

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064435.D
 Acq On : 4 Nov 2020 14:47
 Operator : JC/MD
 Sample : VN1104MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

Quant Time: Nov 05 00:45:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	305689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	539840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	504266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	221972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	261809	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.55	113	175050	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.06	98	657676	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.38	95	249050	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	73335	18.429	ug/l	99
3) Chloromethane	2.04	50	88108	18.229	ug/l	99
4) Vinyl Chloride	2.17	62	90164	18.166	ug/l	94
5) Bromomethane	2.54	94	59899	18.891	ug/l	97
6) Chloroethane	2.68	64	56970	17.927	ug/l	97
7) Trichlorofluoromethane	2.99	101	132438	18.121	ug/l	95
8) Diethyl Ether	3.37	74	49429	19.151	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61602	17.749	ug/l	100
10) Methyl Iodide	3.91	142	69295	17.183	ug/l	97
11) Tert butyl alcohol	4.75	59	63331	107.853	ug/l	100
12) 1,1-Dichloroethene	3.69	96	58895	18.015	ug/l	97
13) Acrolein	3.56	56	35659	97.902	ug/l	93
14) Allyl chloride	4.27	41	115292	18.027	ug/l	98
15) Acrylonitrile	4.94	53	167213	102.282	ug/l	100
16) Acetone	3.78	43	173641	85.611	ug/l	98
17) Carbon Disulfide	4.00	76	172828	17.678	ug/l	98
18) Methyl Acetate	4.28	43	74344	18.644	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	218800	18.595	ug/l	97
20) Methylene Chloride	4.50	84	72912	18.118	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	68145	18.358	ug/l	98
22) Diisopropyl ether	5.91	45	248782	18.326	ug/l	99
23) Vinyl Acetate	5.85	43	1054744	95.506	ug/l	99
24) 1,1-Dichloroethane	5.80	63	136307	18.272	ug/l	98
25) 2-Butanone	6.79	43	248951	96.333	ug/l	99
26) 2,2-Dichloropropane	6.77	77	117146	17.347	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	77151	17.937	ug/l	98
28) Bromochloromethane	7.15	49	70615	19.258	ug/l	99
29) Tetrahydrofuran	7.17	42	157088	99.077	ug/l	100
30) Chloroform	7.33	83	143487	18.298	ug/l	99
31) Cyclohexane	7.61	56	113625	17.555	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	122311	17.586	ug/l	99
36) 1,1-Dichloropropene	7.75	75	100173	17.565	ug/l	99
37) Ethyl Acetate	6.89	43	100630	17.883	ug/l	99
38) Carbon Tetrachloride	7.73	117	103332	16.953	ug/l	99

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Quant Time: Nov 05 00:45:41 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	89365	17.480	ug/l	99
40) Benzene	8.00	78	300337	17.922	ug/l	99
41) Methacrylonitrile	7.12	41	50463	19.958	ug/l	87
42) 1,2-Dichloroethane	8.09	62	127289	18.821	ug/l	99
43) Isopropyl Acetate	8.13	43	175211	18.958	ug/l	98
44) Trichloroethene	8.80	130	75337	17.818	ug/l	98
45) 1,2-Dichloropropane	9.08	63	79957	17.881	ug/l	94
46) Dibromomethane	9.17	93	56631	19.239	ug/l	97
47) Bromodichloromethane	9.37	83	114138	18.033	ug/l	99
48) Methyl methacrylate	9.17	41	87754	18.817	ug/l	99
49) 1,4-Dioxane	9.17	88	25765	419.441	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	531513	98.614	ug/l	99
52) Toluene	10.12	92	186839	18.280	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	122102	18.197	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	125910	17.550	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	75745	19.002	ug/l	98
56) Ethyl methacrylate	10.40	69	106226	17.441	ug/l	96
57) 1,3-Dichloropropane	10.68	76	130957	18.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	281292	104.486	ug/l	100
59) 2-Hexanone	10.72	43	377654	88.570	ug/l	100
60) Dibromochloromethane	10.87	129	81698	18.306	ug/l	98
61) 1,2-Dibromoethane	10.98	107	77307	19.120	ug/l	98
64) Tetrachloroethene	10.60	164	68547	17.647	ug/l	97
65) Chlorobenzene	11.41	112	191205	17.296	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	73922	17.925	ug/l	98
67) Ethyl Benzene	11.48	91	349629	17.781	ug/l	98
68) m/p-Xylenes	11.60	106	251628	35.286	ug/l	97
69) o-Xylene	11.92	106	121791	17.674	ug/l	99
70) Styrene	11.94	104	205043	17.683	ug/l	99
71) Bromoform	12.10	173	51192	17.385	ug/l #	98
73) Isopropylbenzene	12.22	105	313490	17.768	ug/l	99
74) N-amyl acetate	12.05	43	146497	17.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	104025	19.196	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	142532	26.502	ug/l #	100
77) Bromobenzene	12.50	156	75710	17.577	ug/l	95
78) n-propylbenzene	12.57	91	362286	18.011	ug/l	100
79) 2-Chlorotoluene	12.65	91	229326	17.976	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	262808	18.056	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	32717	16.985	ug/l	92
82) 4-Chlorotoluene	12.75	91	242536	18.153	ug/l	100
83) tert-Butylbenzene	12.97	119	207107	18.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	266133	18.189	ug/l	100
85) sec-Butylbenzene	13.14	105	266407	18.505	ug/l	99
86) p-Isopropyltoluene	13.26	119	238235	18.397	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	135701	18.225	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	135313	17.585	ug/l	97
89) n-Butylbenzene	13.59	91	200925	18.046	ug/l	99
90) Hexachloroethane	13.85	117	43504	17.415	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	133190	18.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21290	19.733	ug/l	97

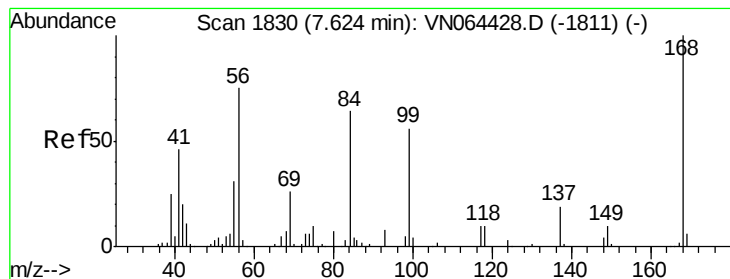
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110420\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	53964	17.007	ug/l	97
94) Hexachlorobutadiene	14.98	225	28485	19.534	ug/l	98
95) Naphthalene	15.10	128	178475	17.221	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	54478	17.707	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

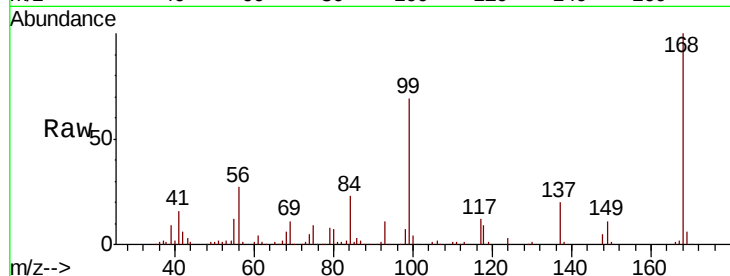
VN1104MBS01

Tot Ion:168 Resp: 305689

Ion Ratio Lower Upper

168 100

99 68.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

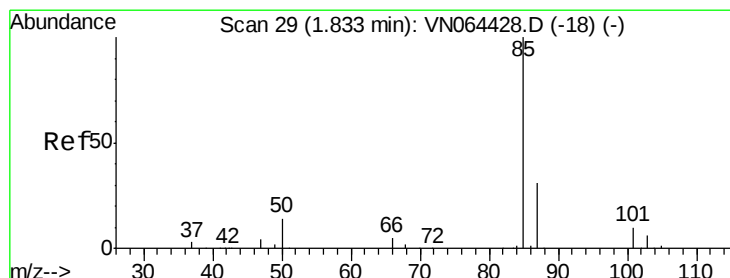
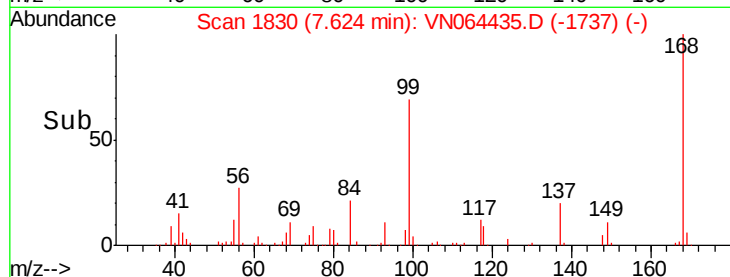
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.429 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064435.D

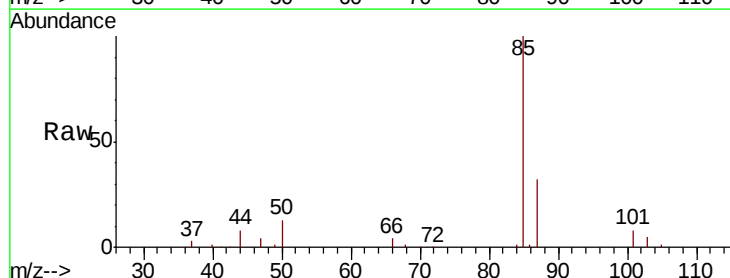
Acq: 4 Nov 2020 14:47

Tgt Ion: 85 Resp: 73335

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

50000

40000

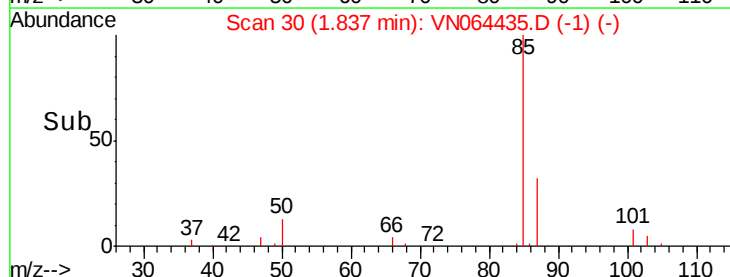
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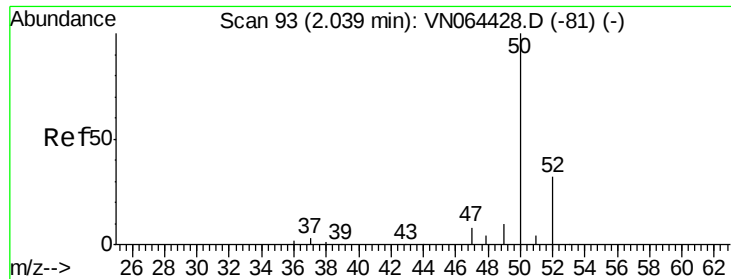
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.229 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

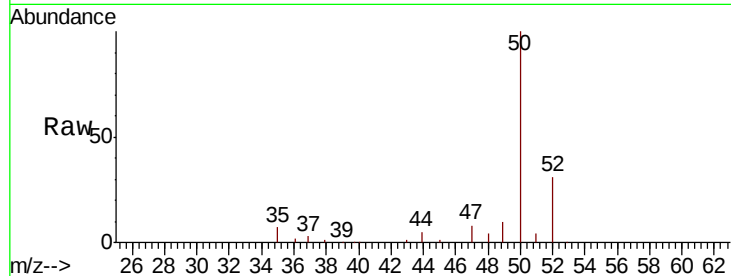
VN1104MBS01

Tot Ion: 50 Resp: 88108

Ion Ratio Lower Upper

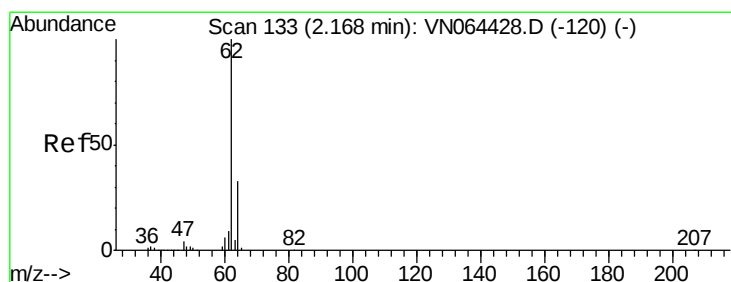
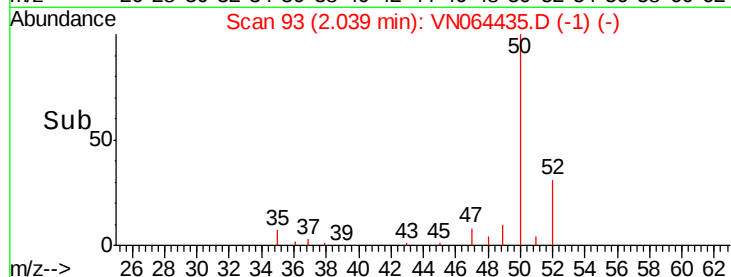
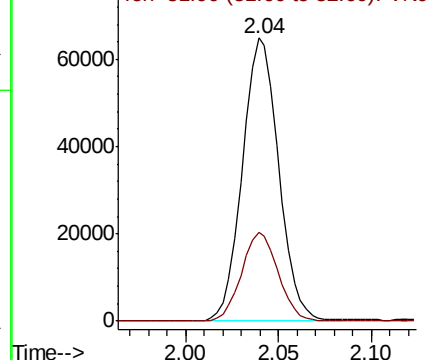
50 100

52 31.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.166 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064435.D

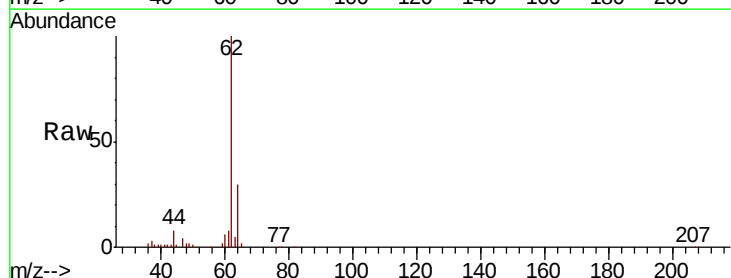
Acq: 4 Nov 2020 14:47

Tgt Ion: 62 Resp: 90164

Ion Ratio Lower Upper

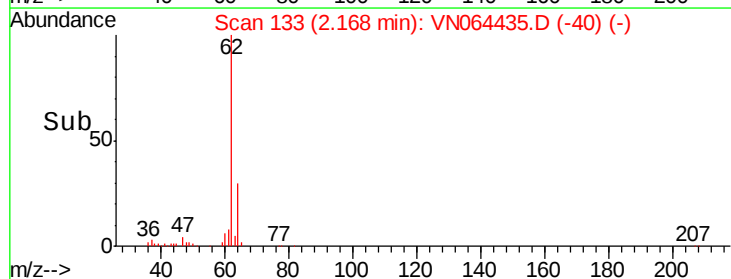
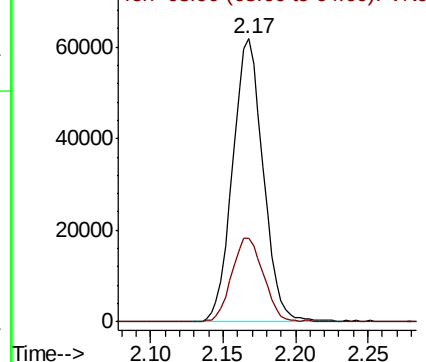
62 100

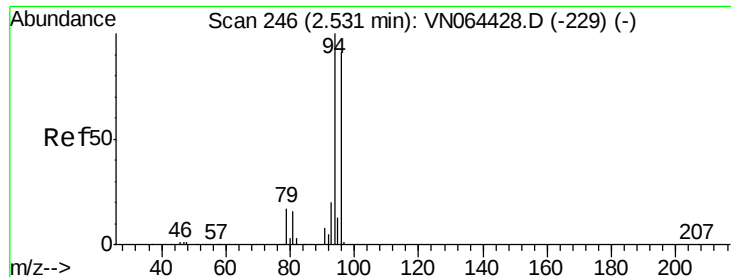
64 29.7 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.891 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

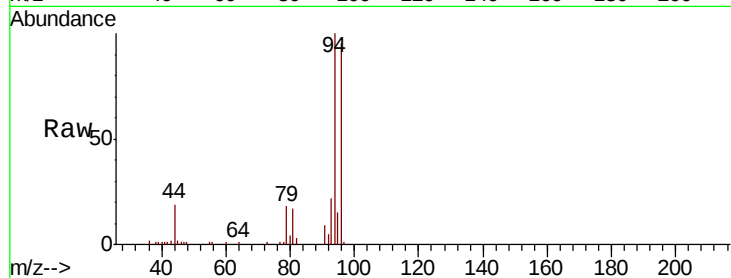
VN1104MBS01

Tot Ion: 94 Resp: 59899

Ion Ratio Lower Upper

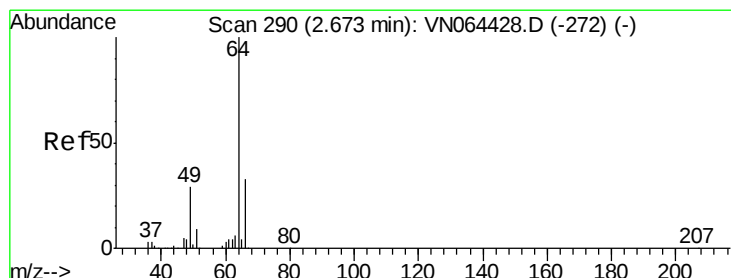
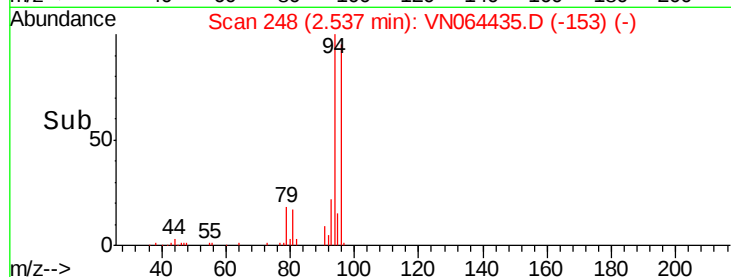
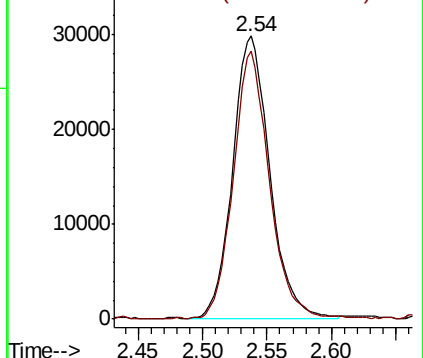
94 100

96 94.7 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.927 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064435.D

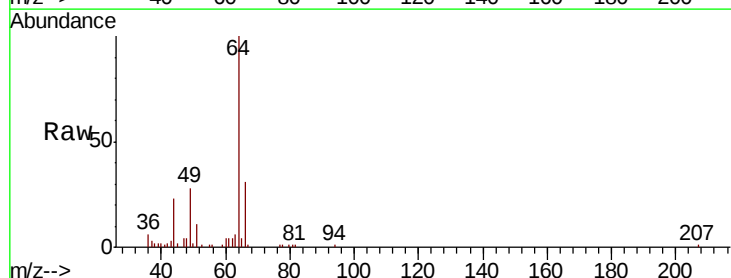
Acq: 4 Nov 2020 14:47

Tgt Ion: 64 Resp: 56970

Ion Ratio Lower Upper

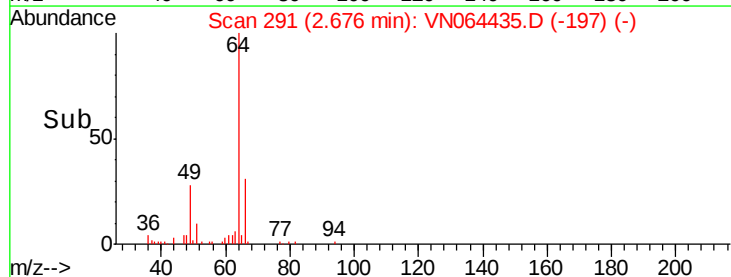
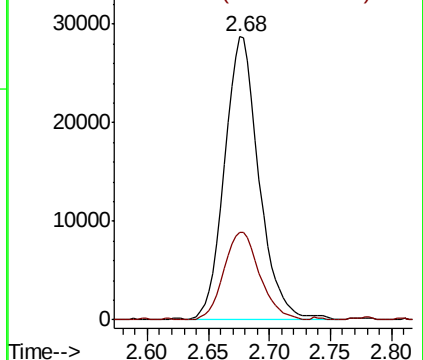
64 100

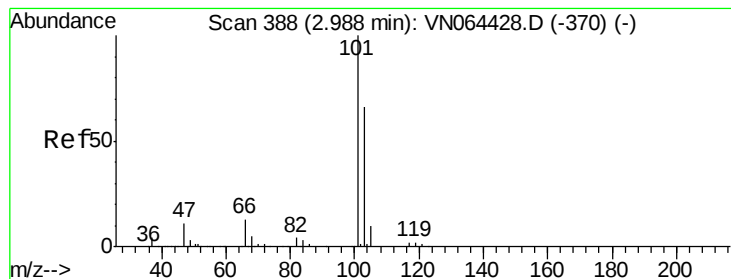
66 30.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



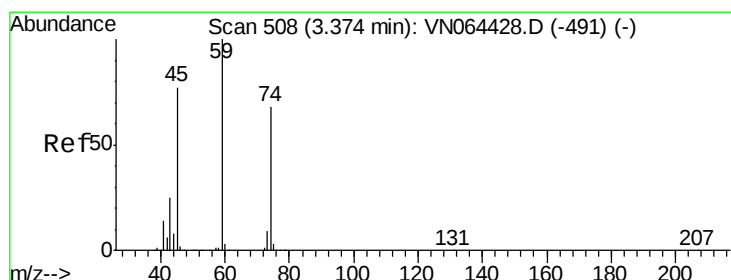
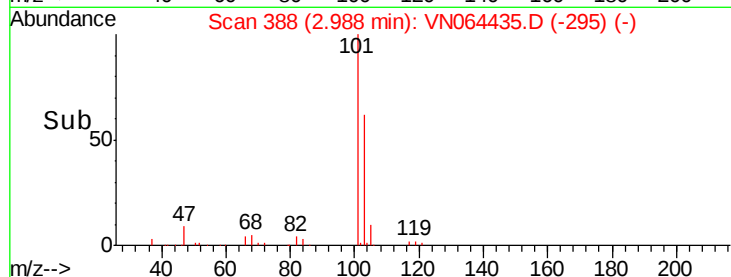
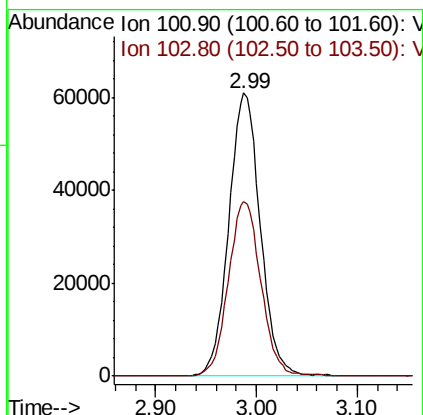
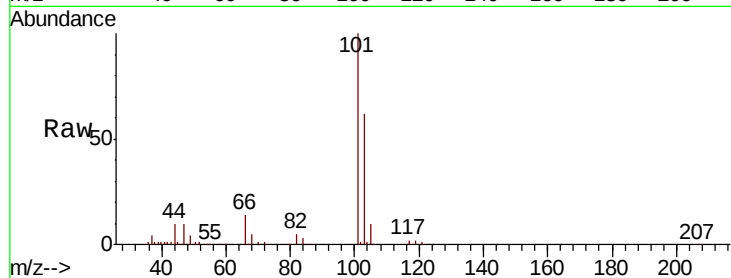


#7

Trichlorofluoromethane
 Concen: 18.121 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
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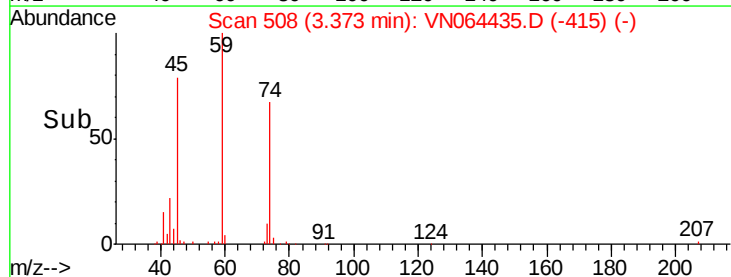
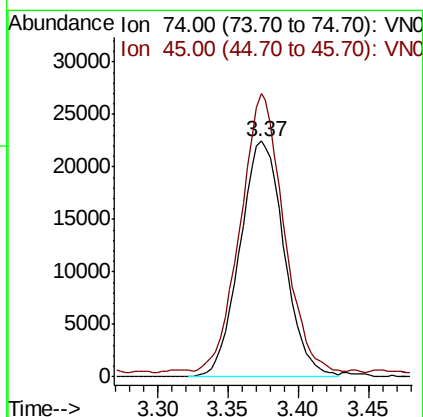
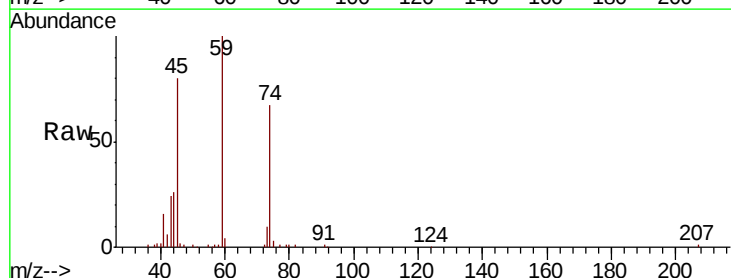
Tot Ion:101 Resp: 132438
 Ion Ratio Lower Upper
 101 100
 103 61.6 52.4 78.6

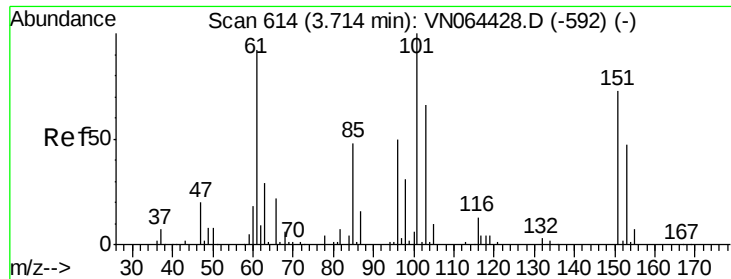


#8

Diethyl Ether
 Concen: 19.151 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion: 74 Resp: 49429
 Ion Ratio Lower Upper
 74 100
 45 114.0 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.749 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampled :

VN1104MBS01

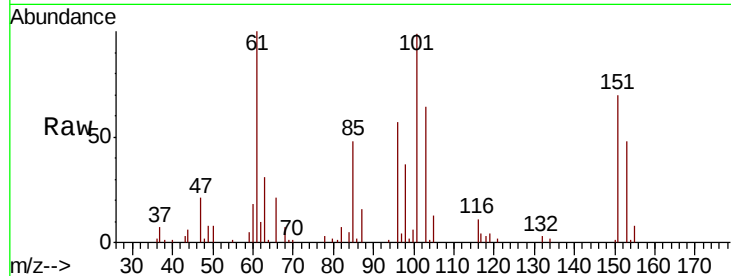
Tot Ion:101 Resp: 61602

Ion Ratio Lower Upper

101 100

85 48.0 38.6 57.8

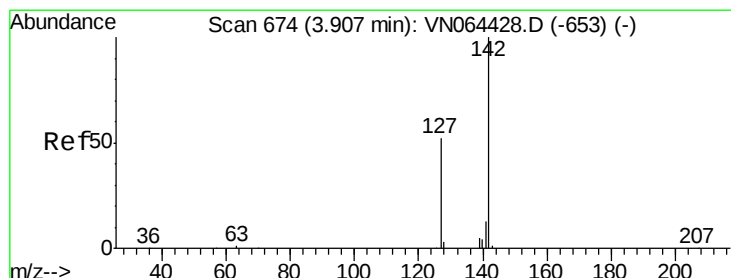
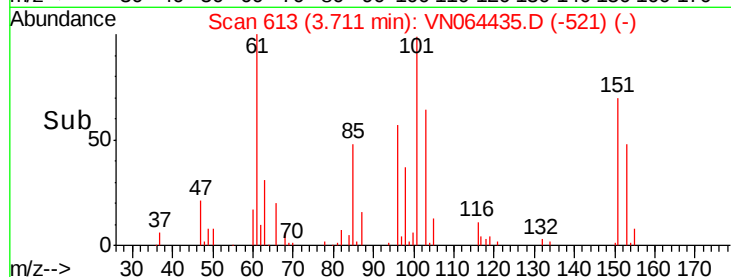
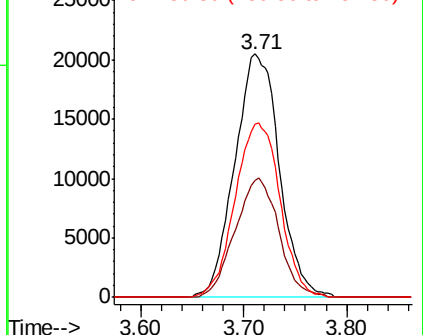
151 72.3 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.183 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

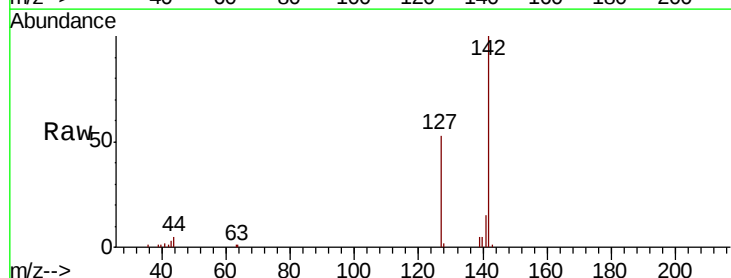
Tgt Ion:142 Resp: 69295

Ion Ratio Lower Upper

142 100

127 50.0 41.8 62.8

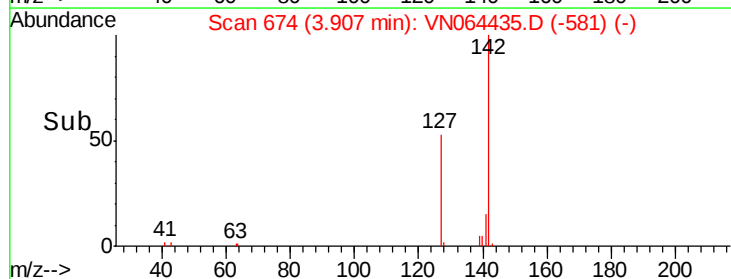
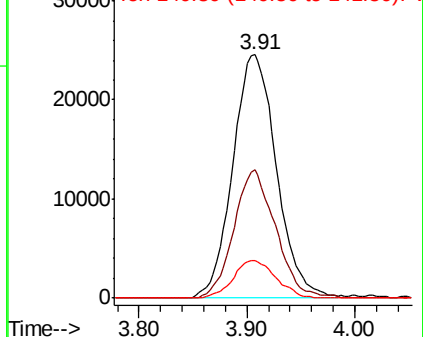
141 15.0 11.4 17.2

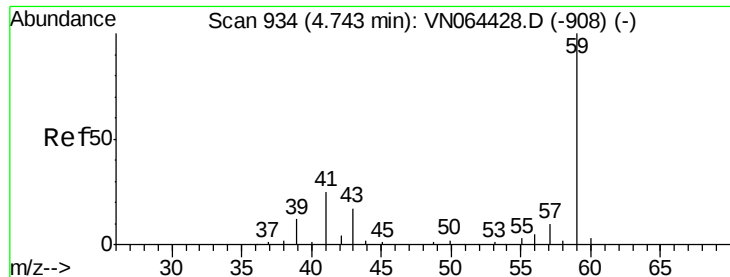


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

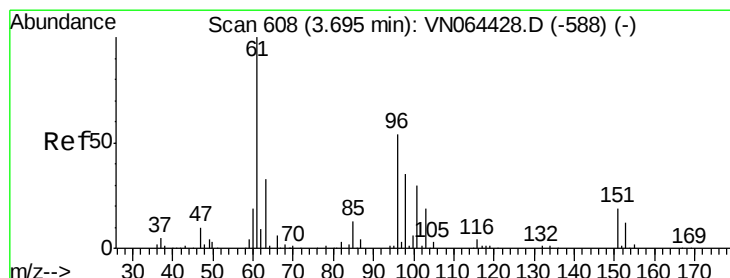
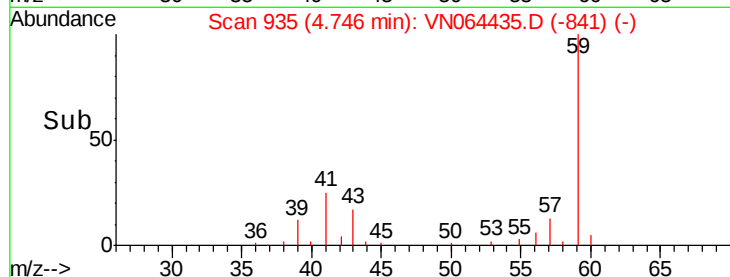
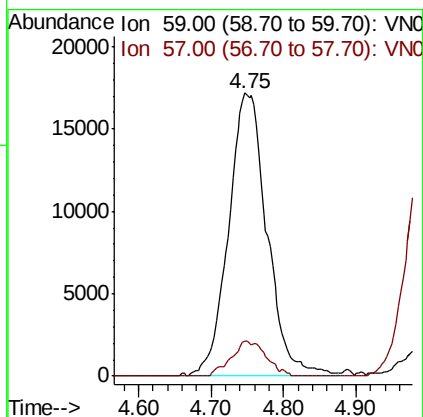
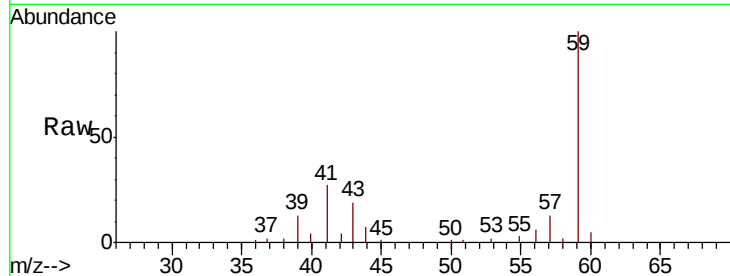




#11
Tert butyl alcohol
Concen: 107.853 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

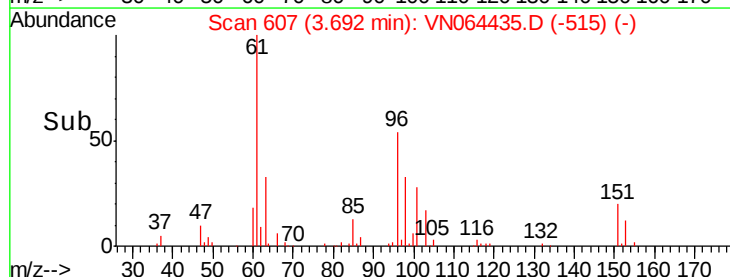
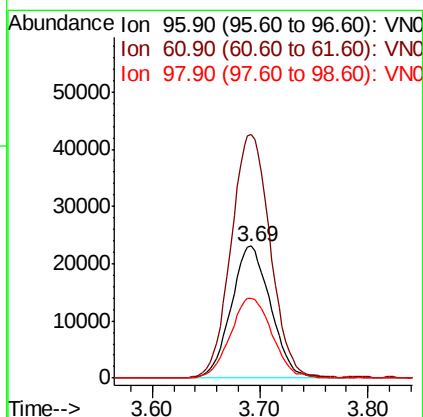
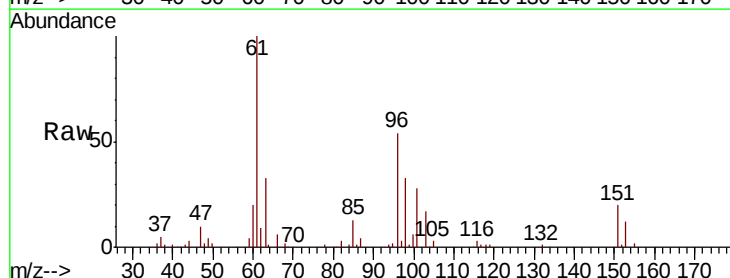
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

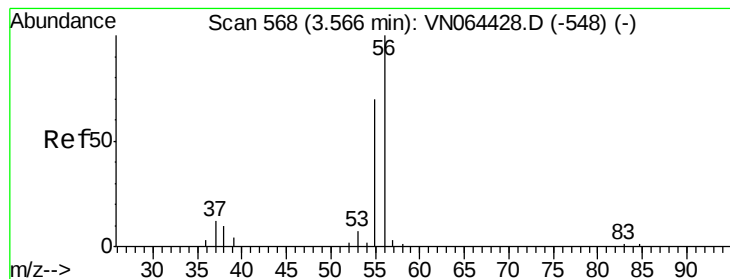
Tot Ion: 59 Resp: 63331
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4



#12
1,1-Dichloroethene
Concen: 18.015 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 96 Resp: 58895
Ion Ratio Lower Upper
96 100
61 183.5 149.5 224.3
98 60.5 52.4 78.6





#13

Acrolein

Concen: 97.902 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

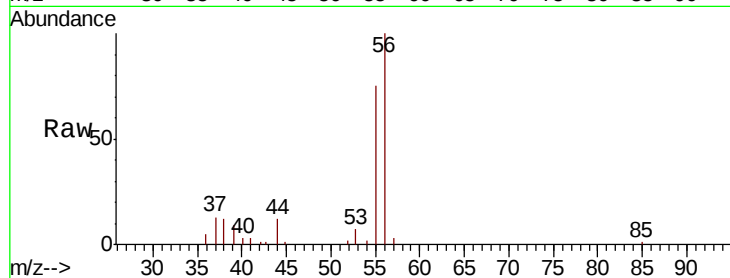
VN1104MBS01

Tot Ion: 56 Resp: 35659

Ion Ratio Lower Upper

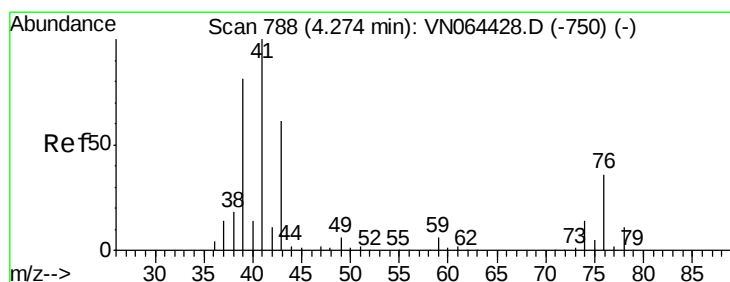
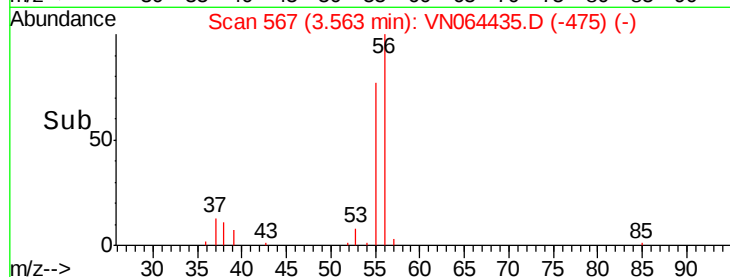
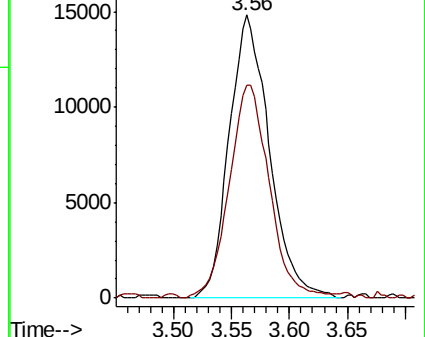
56 100

55 75.2 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)



#14

Allyl chloride

Concen: 18.027 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

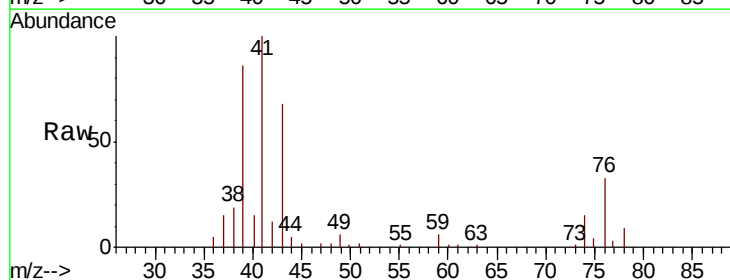
Tgt Ion: 41 Resp: 115292

Ion Ratio Lower Upper

41 100

39 75.9 61.8 92.8

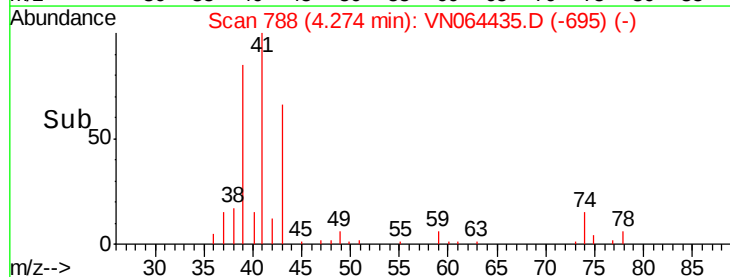
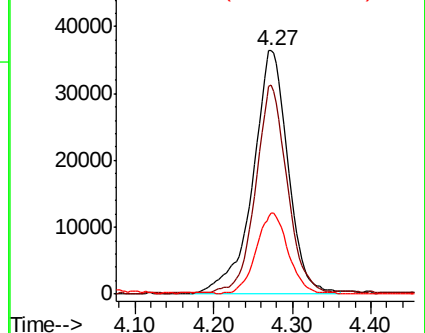
76 30.4 25.4 38.0

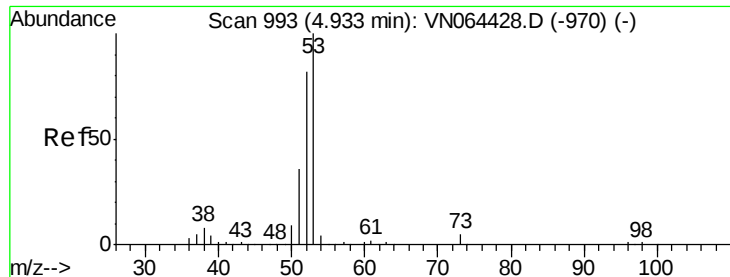


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN064428.D (-750) (-)





#15

Acrylonitrile

Concen: 102.282 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

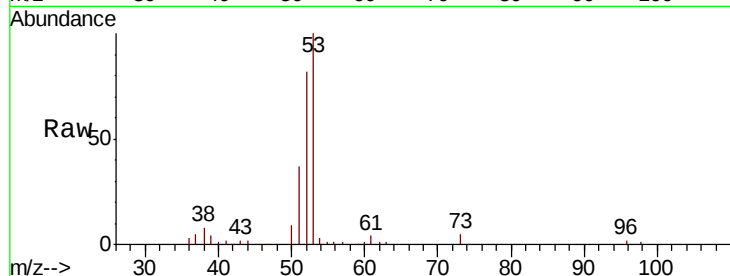
Tot Ion: 53 Resp: 167213

Ion Ratio Lower Upper

53 100

52 81.8 65.6 98.4

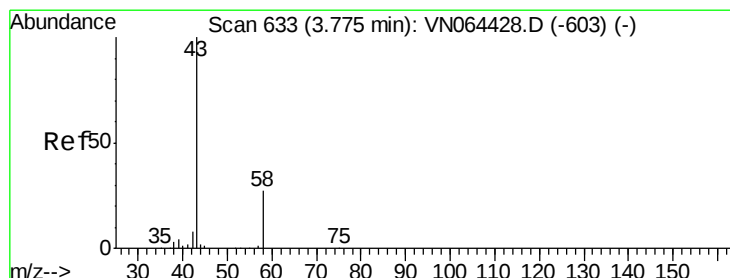
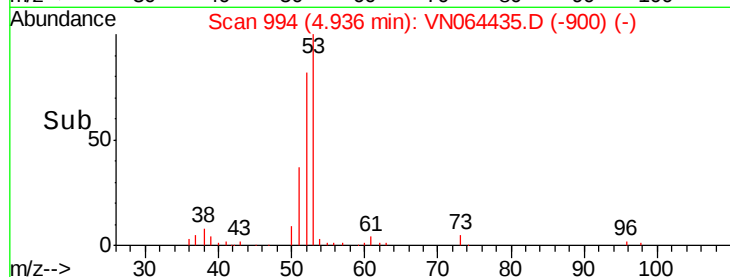
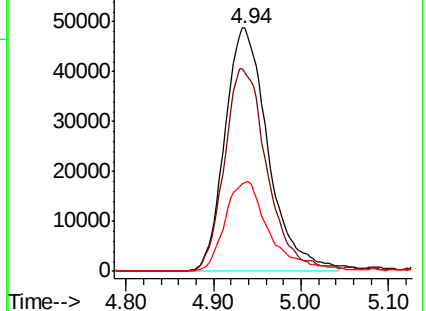
51 38.0 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN064428.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064428.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064428.D (-970) (-)



#16

Acetone

Concen: 85.611 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064435.D

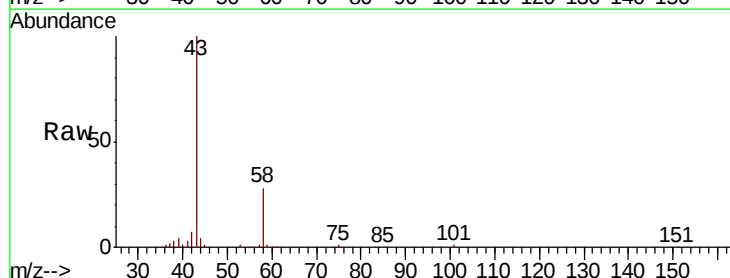
Acq: 4 Nov 2020 14:47

Tgt Ion: 43 Resp: 173641

Ion Ratio Lower Upper

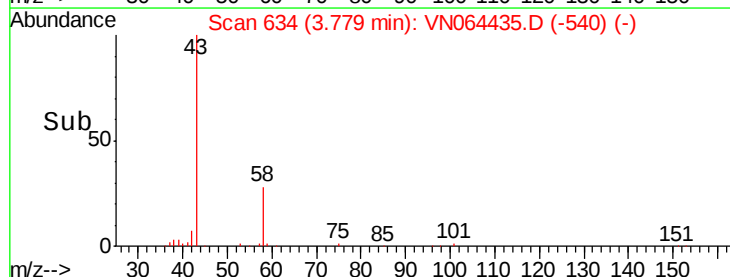
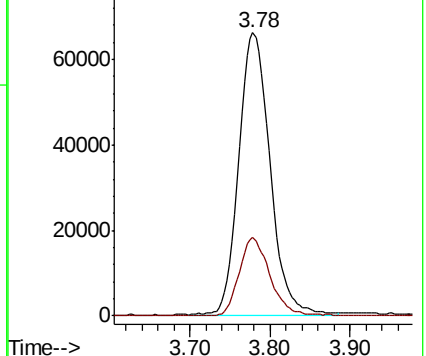
43 100

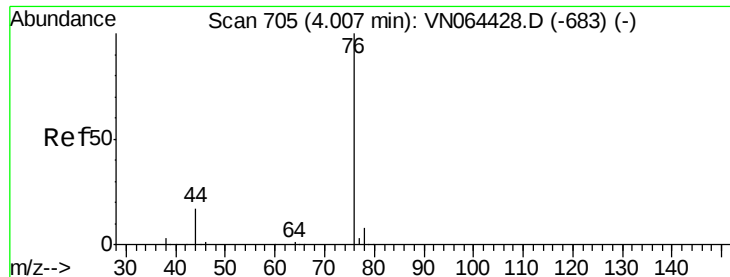
58 27.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)

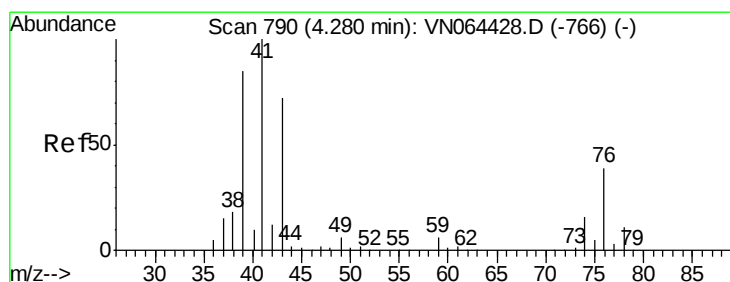
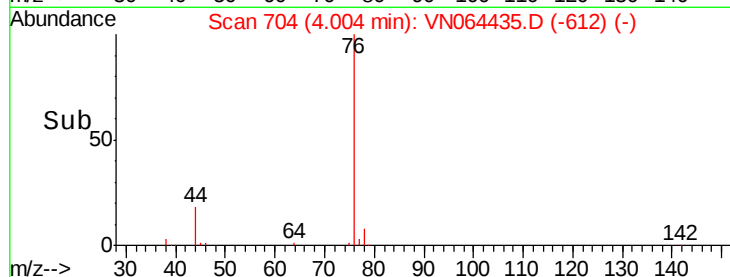
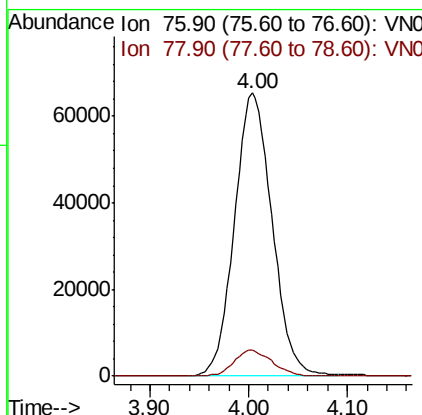
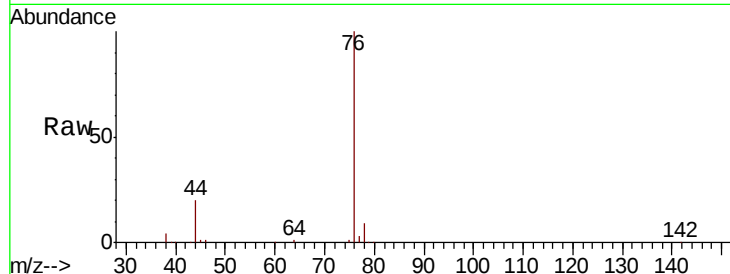




#17
Carbon Disulfide
Concen: 17.678 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

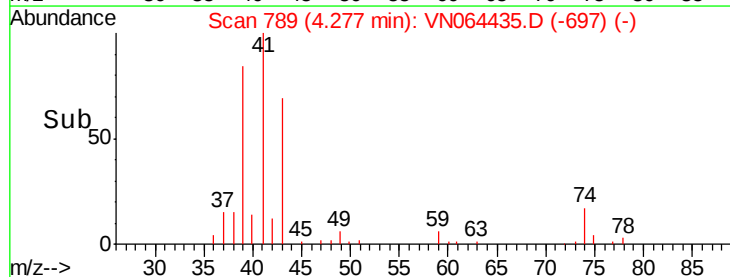
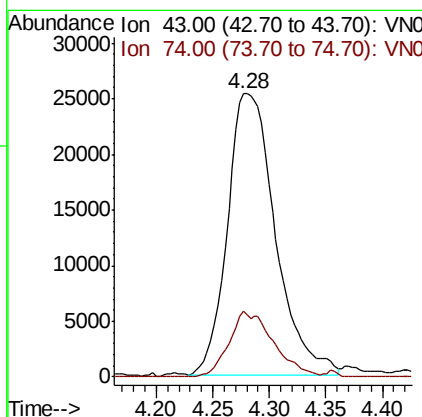
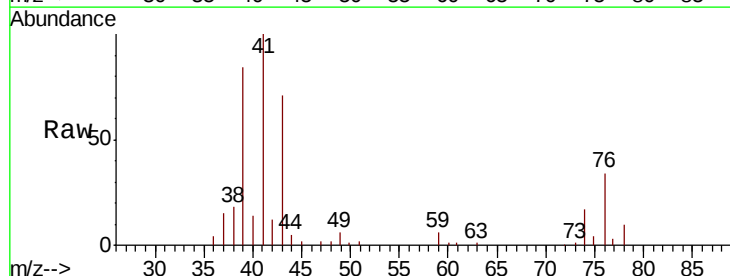
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

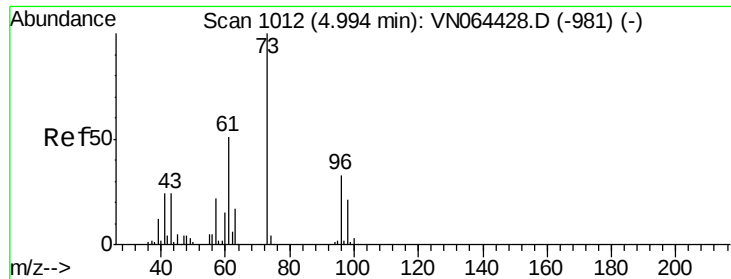
Tot Ion: 76 Resp: 172828
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 18.644 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 43 Resp: 74344
Ion Ratio Lower Upper
43 100
74 21.7 17.0 25.4

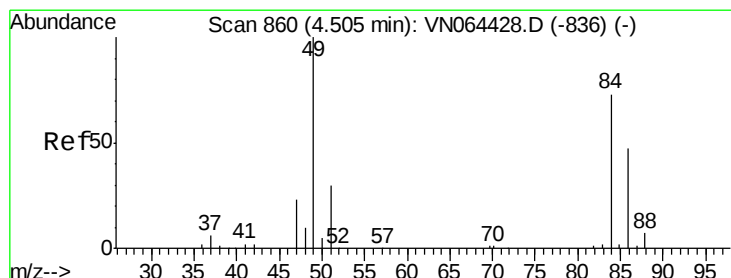
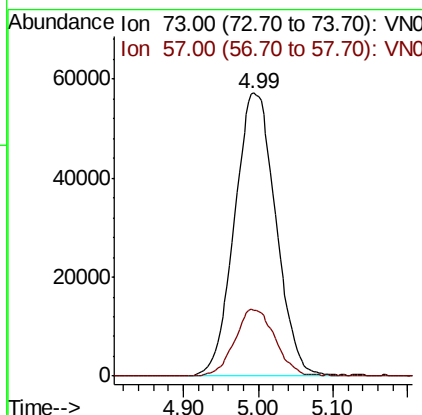
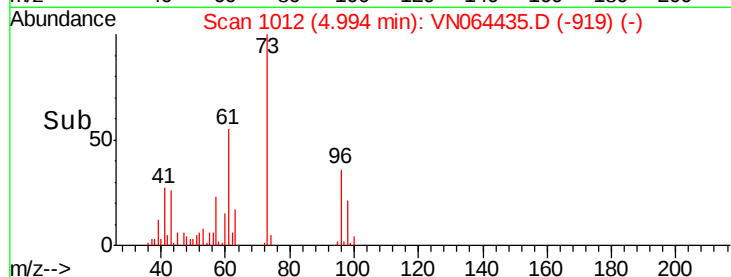
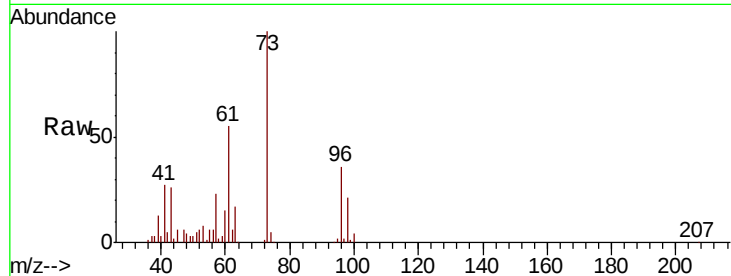




#19
Methvl tert-butvl Ether
Concen: 18.595 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

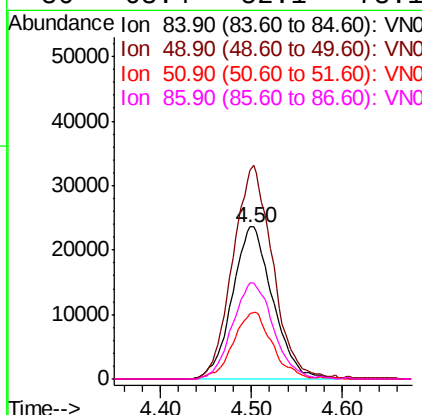
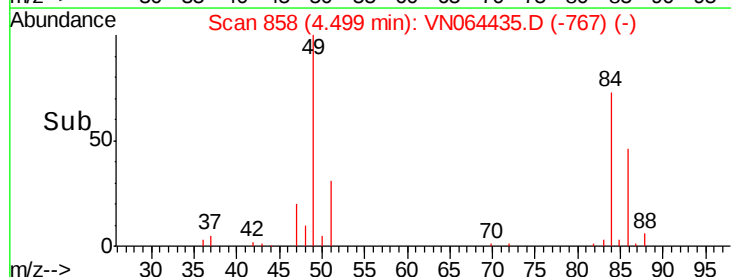
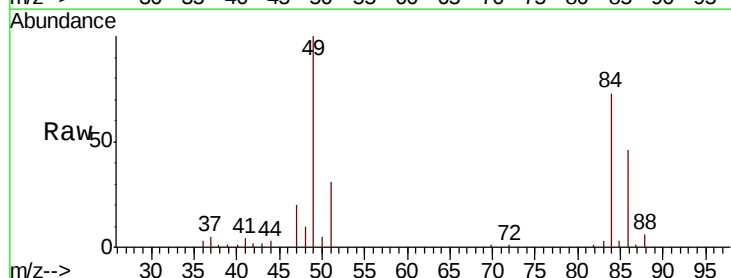
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

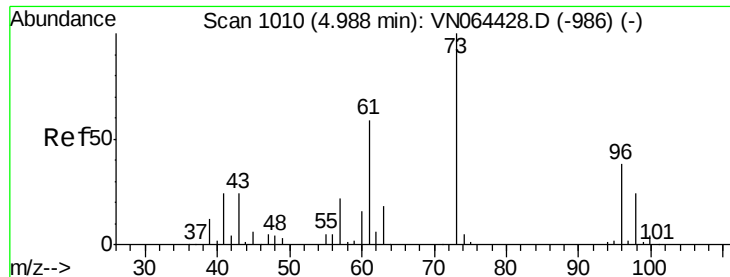
Tot Ion: 73 Resp: 218800
Ion Ratio Lower Upper
73 100
57 23.3 17.7 26.5



#20
Methylene Chloride
Concen: 18.118 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 84 Resp: 72912
Ion Ratio Lower Upper
84 100
49 137.4 110.1 165.1
51 42.7 33.6 50.4
86 63.4 52.1 78.1

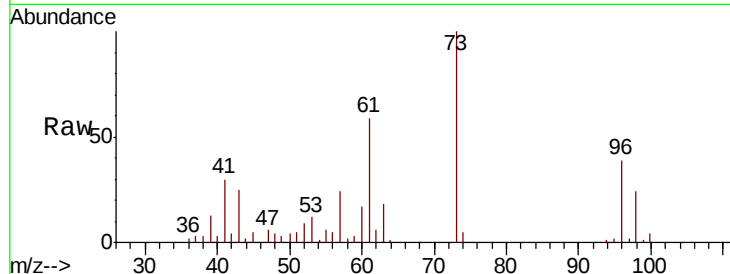




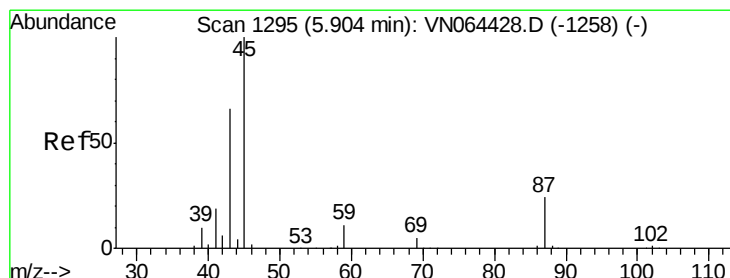
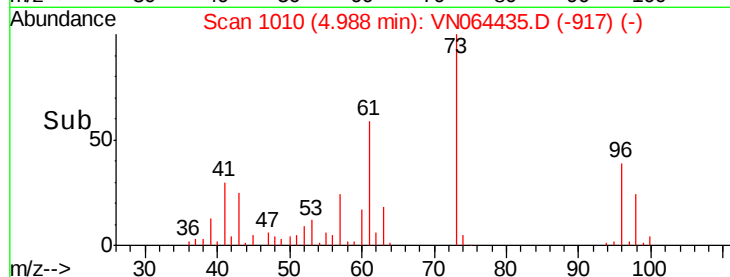
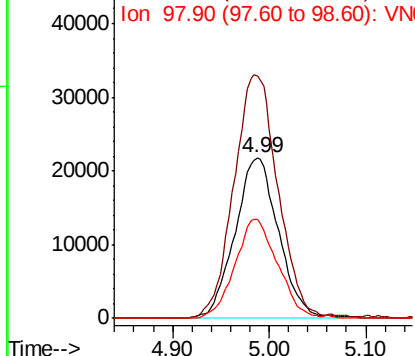
#21
trans-1,2-Dichloroethene
Concen: 18.358 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion: 96 Resp: 68145
Ion Ratio Lower Upper
96 100
61 151.1 122.4 183.6
98 61.7 50.4 75.6

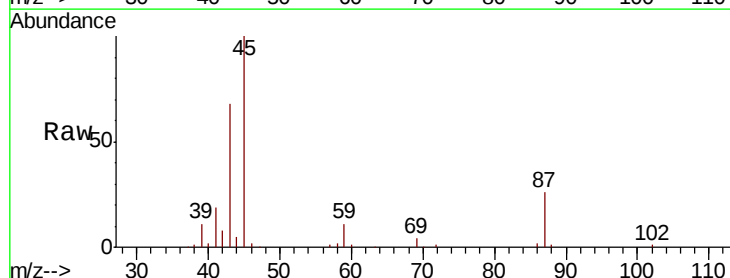


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

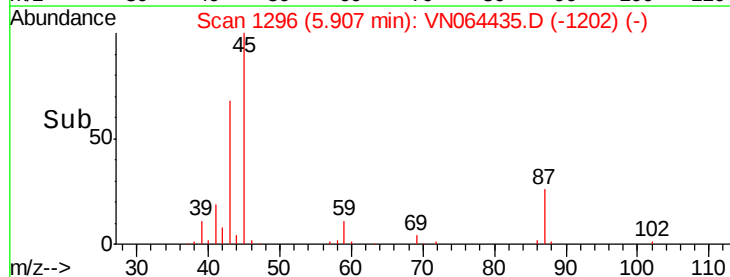
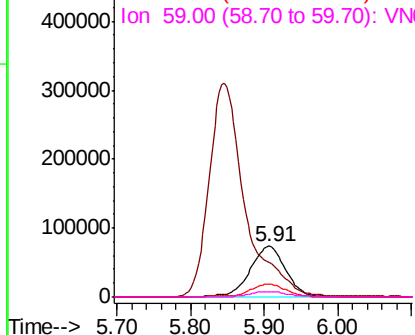


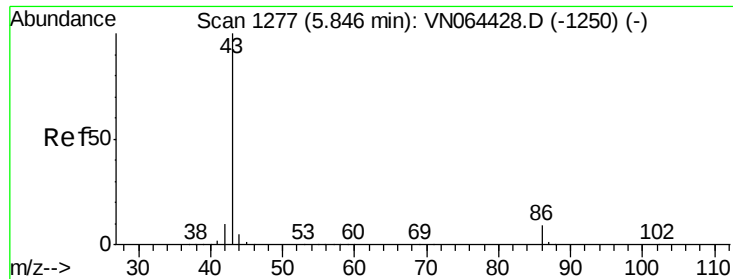
#22
Diisopropyl ether
Concen: 18.326 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 45 Resp: 248782
Ion Ratio Lower Upper
45 100
43 65.7 53.2 79.8
87 25.8 19.9 29.9
59 10.7 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

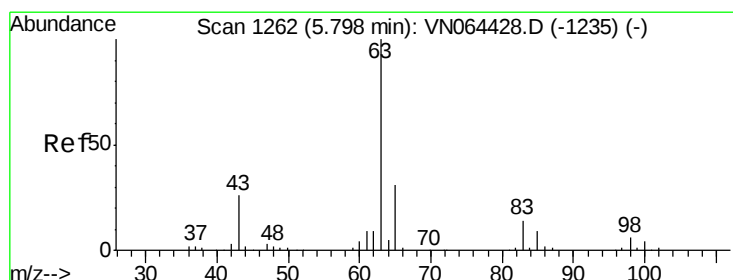
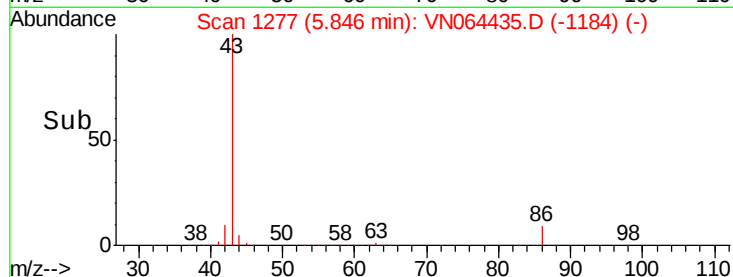
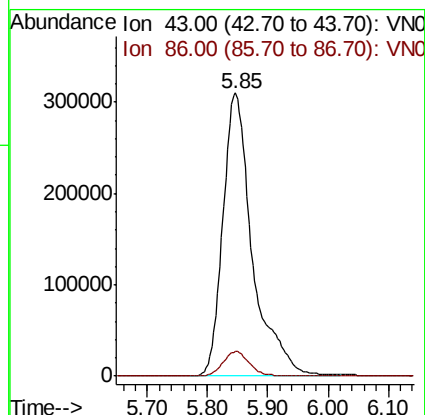
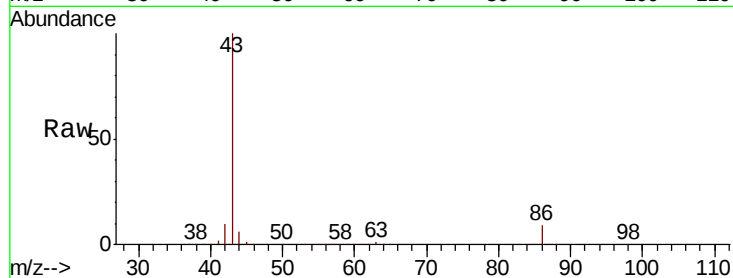




#23
 Vinyl Acetate
 Concen: 95.506 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

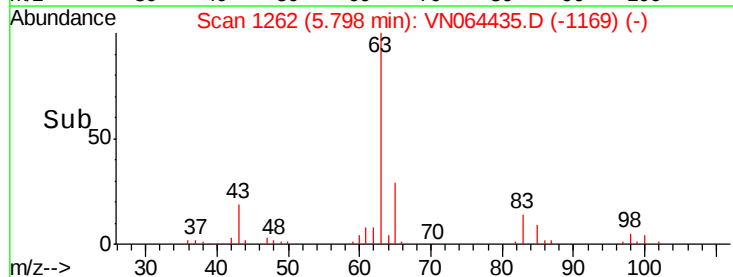
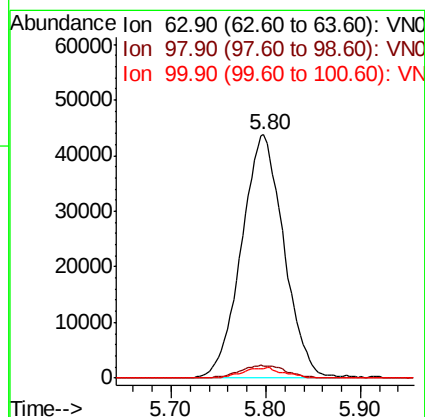
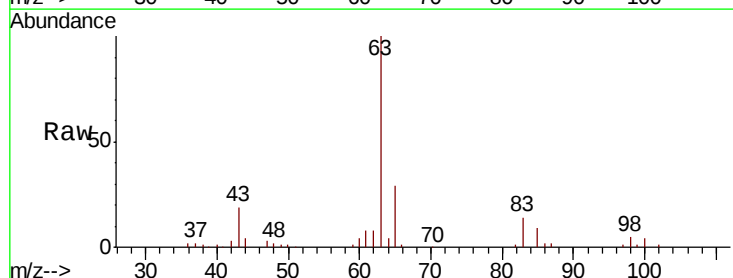
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

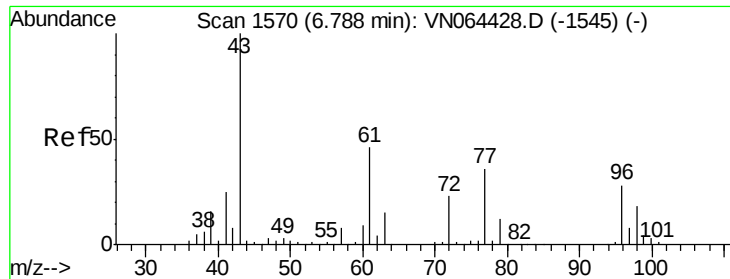
Tot Ion: 43 Resp: 1054744
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 18.272 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion: 63 Resp: 136307
 Ion Ratio Lower Upper
 63 100
 98 5.1 3.0 9.2
 100 4.0 1.8 5.3

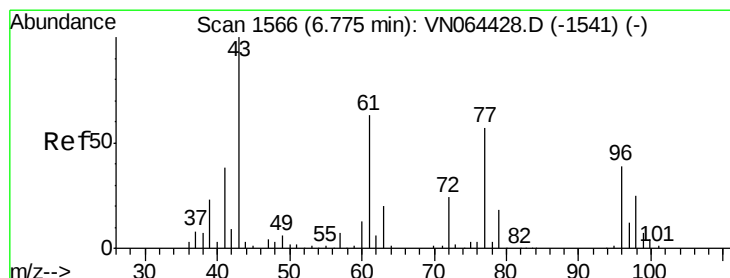
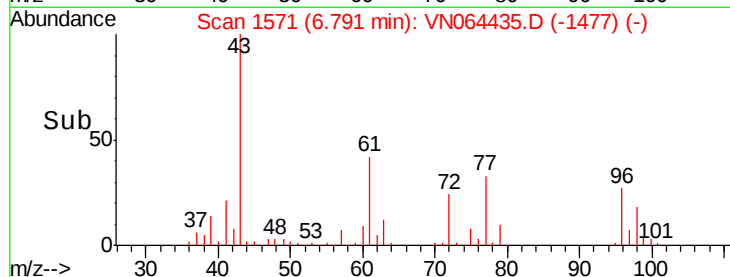
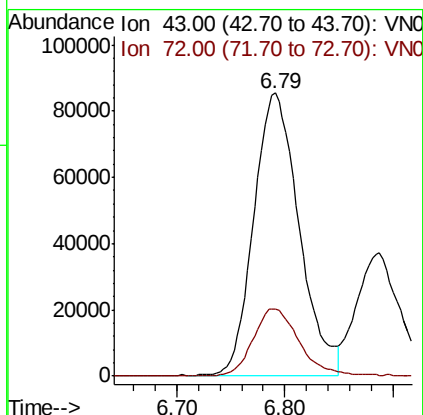
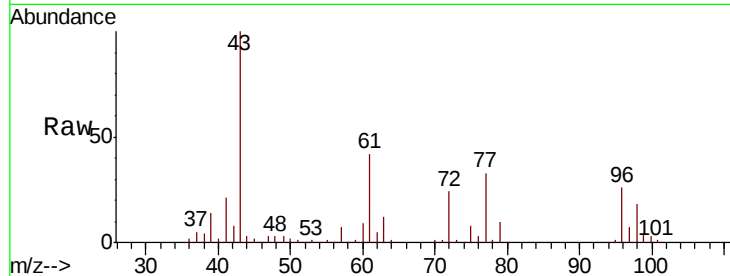




#25
2-Butanone
Concen: 96.333 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

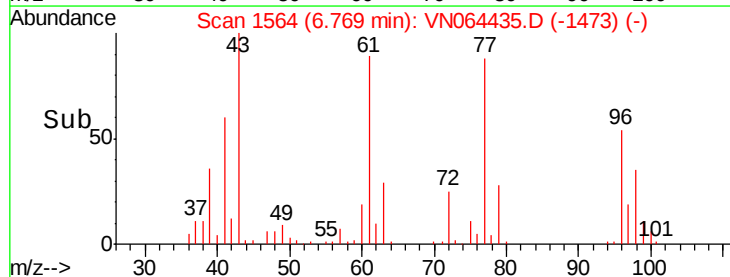
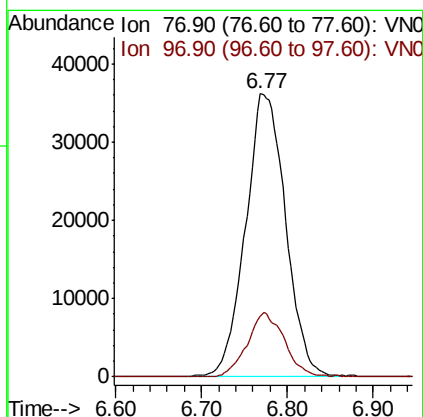
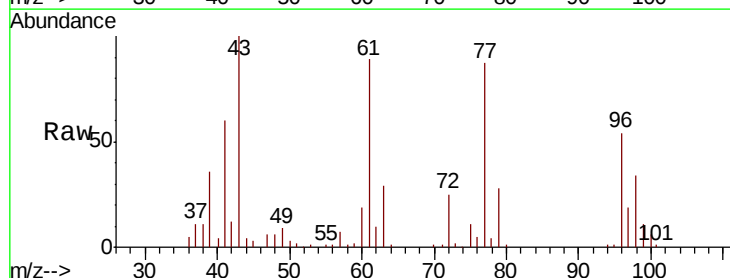
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

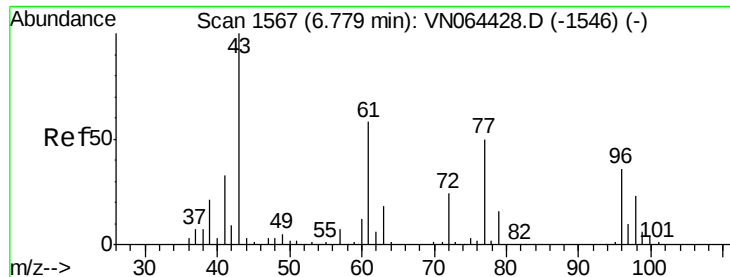
Tot Ion: 43 Resp: 248951
Ion Ratio Lower Upper
43 100
72 23.6 18.5 27.7



#26
2,2-Dichloropropane
Concen: 17.347 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 77 Resp: 117146
Ion Ratio Lower Upper
77 100
97 21.0 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 17.937 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

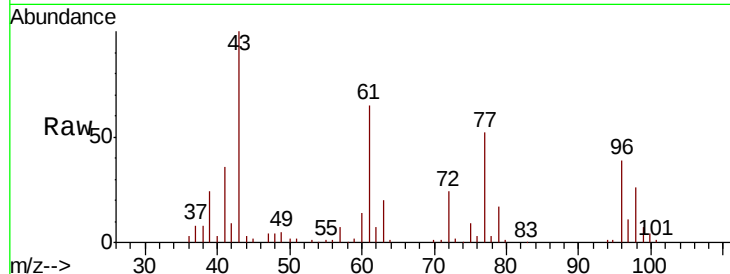
Tot Ion: 96 Resp: 77151

Ion Ratio Lower Upper

96 100

61 167.7 0.0 329.6

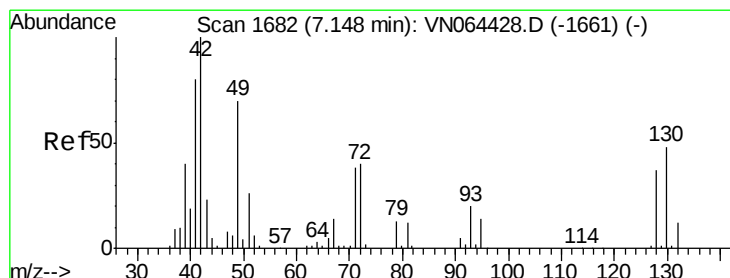
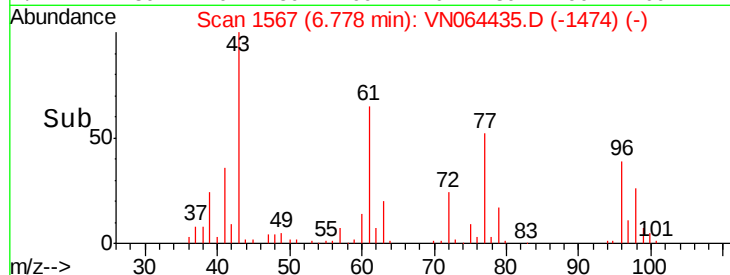
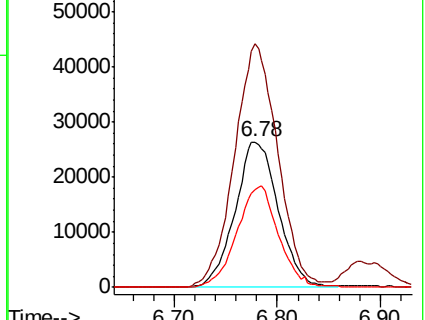
98 67.3 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.258 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

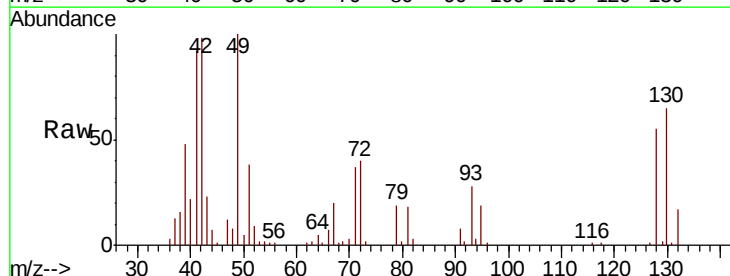
Tgt Ion: 49 Resp: 70615

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.6

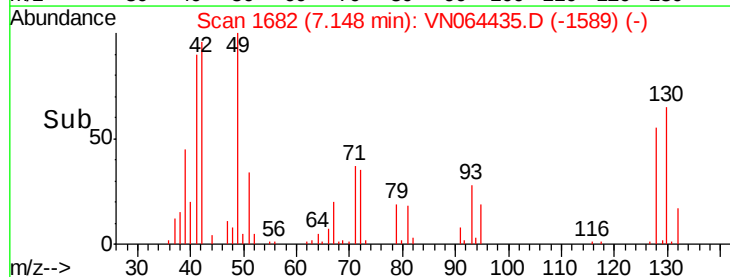
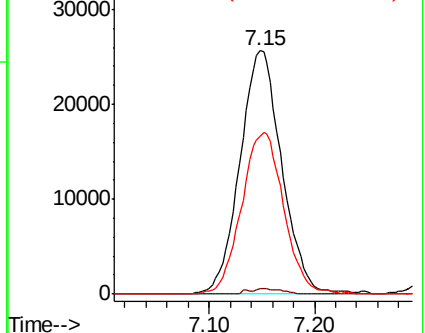
130 66.9 54.2 81.4

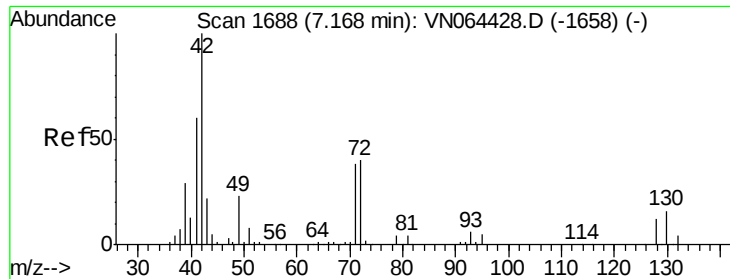


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 99.077 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

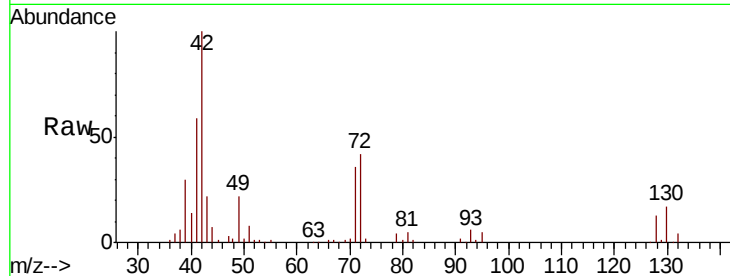
Tot Ion: 42 Resp: 157088

Ion Ratio Lower Upper

42 100

72 39.6 31.7 47.5

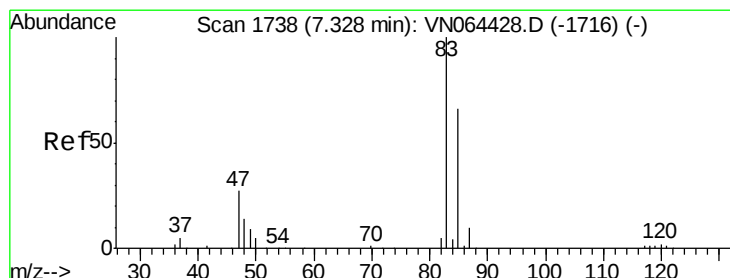
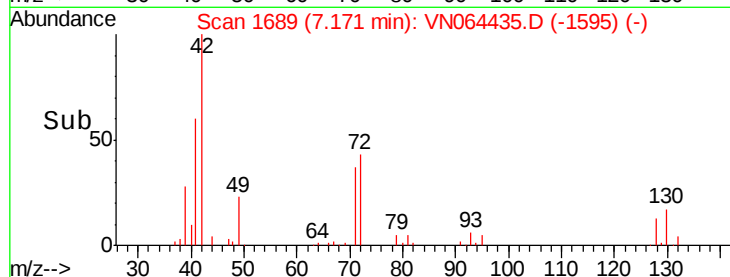
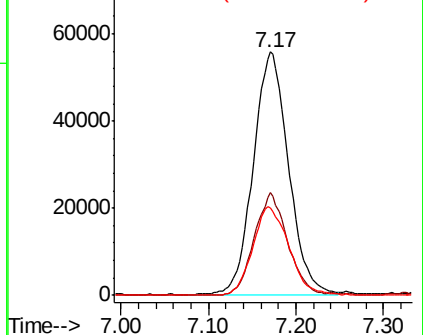
71 37.1 29.8 44.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.298 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064435.D

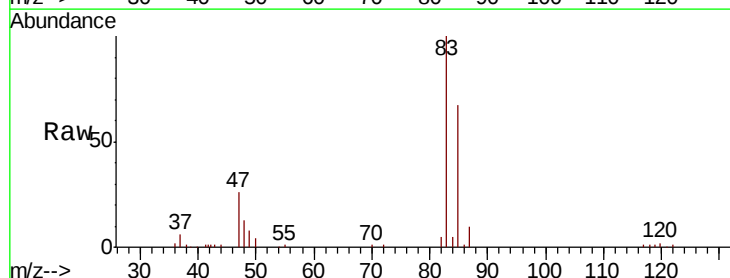
Acq: 4 Nov 2020 14:47

Tgt Ion: 83 Resp: 143487

Ion Ratio Lower Upper

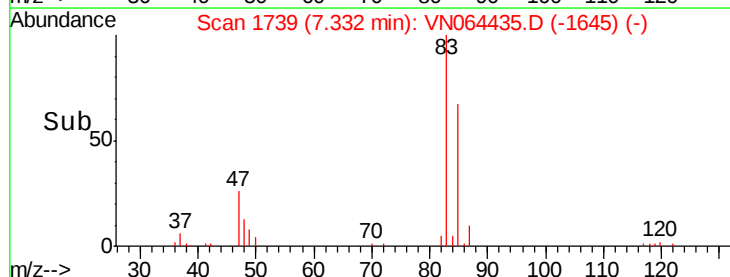
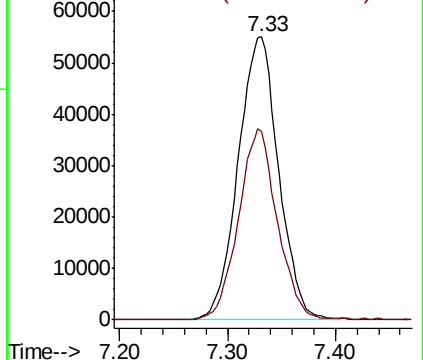
83 100

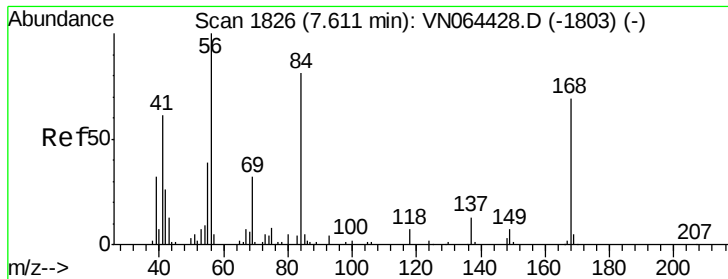
85 66.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

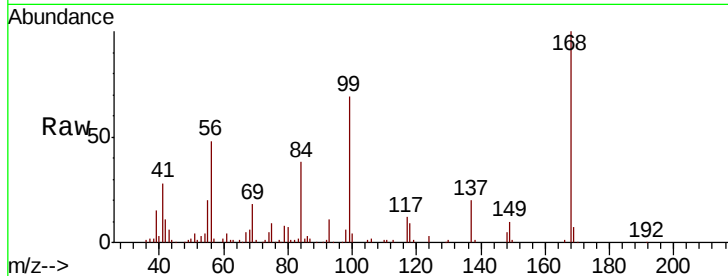




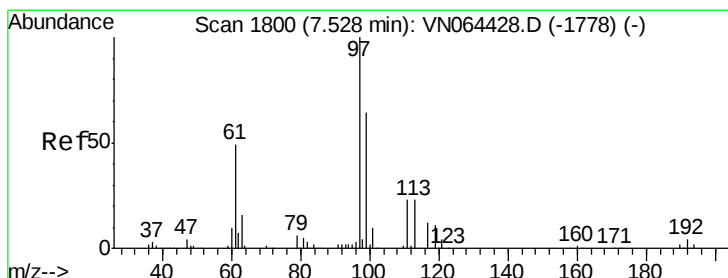
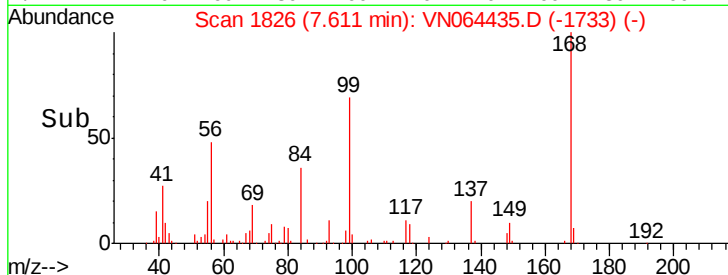
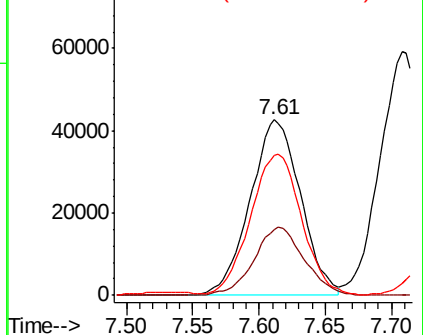
#31
Cyclohexane
Concen: 17.555 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion: 56 Resp: 113625
Ion Ratio Lower Upper
56 100
69 37.7 25.6 38.4
84 78.1 63.0 94.6

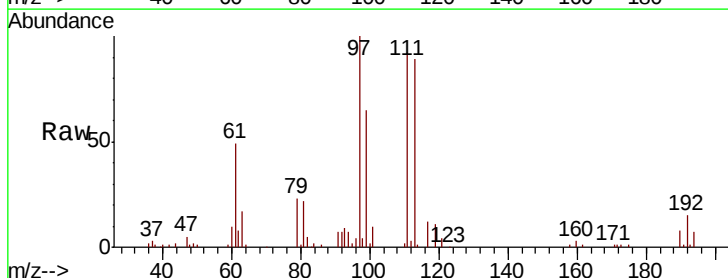


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

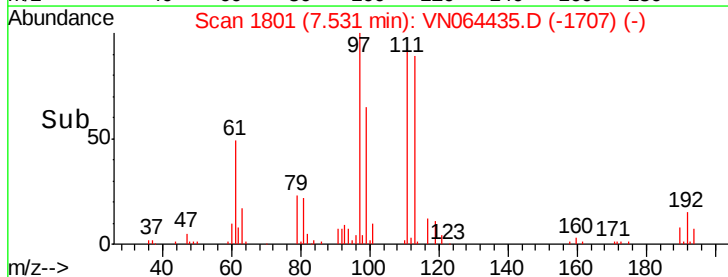
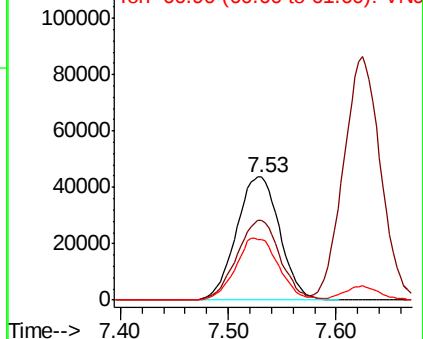


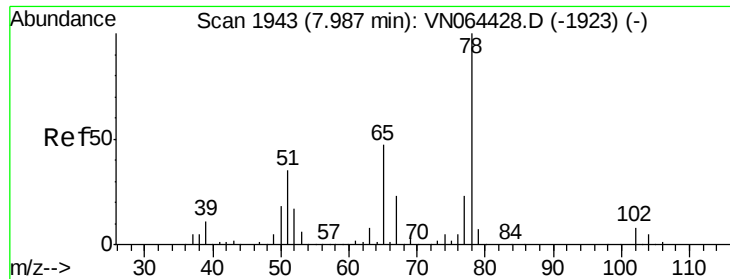
#32
1,1,1-Trichloroethane
Concen: 17.586 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 97 Resp: 122311
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 49.9 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.169 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

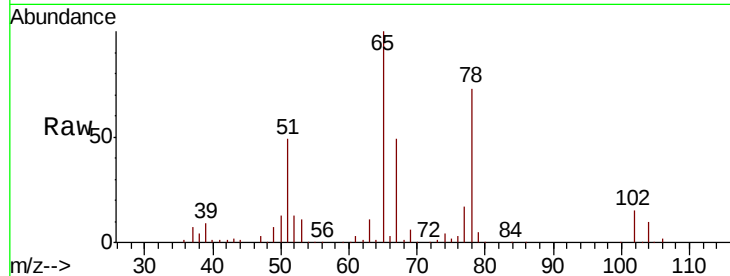
VN1104MBS01

Tot Ion: 65 Resp: 261809

Ion Ratio Lower Upper

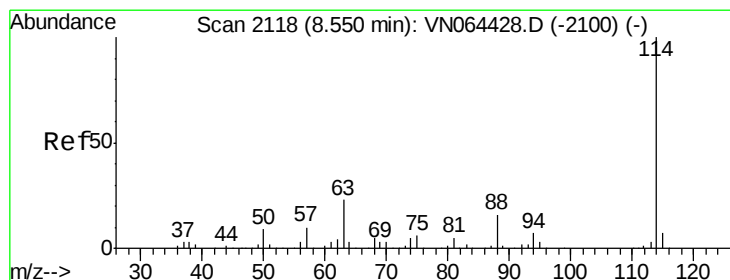
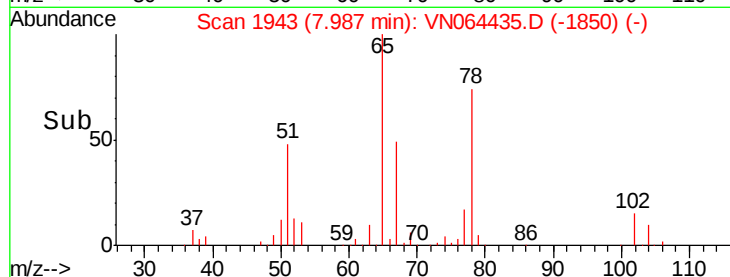
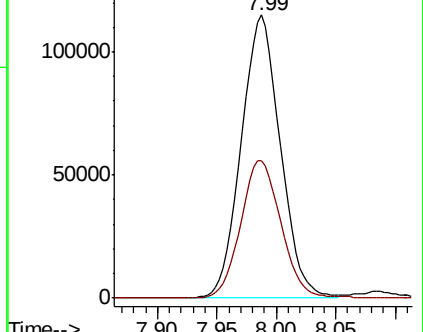
65 100

67 50.0 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064435.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064435.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

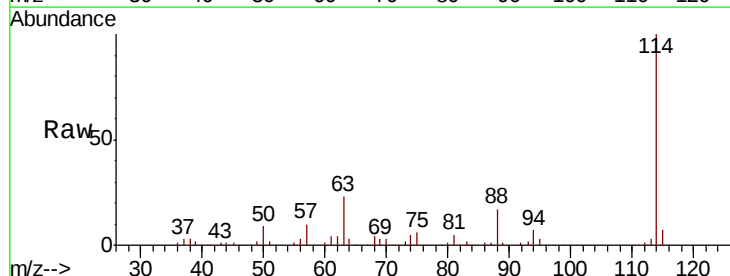
Tgt Ion: 114 Resp: 539840

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

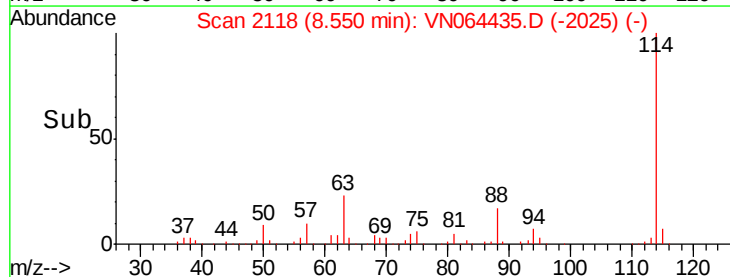
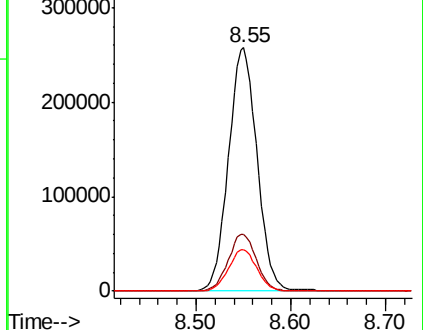
88 17.2 0.0 32.8

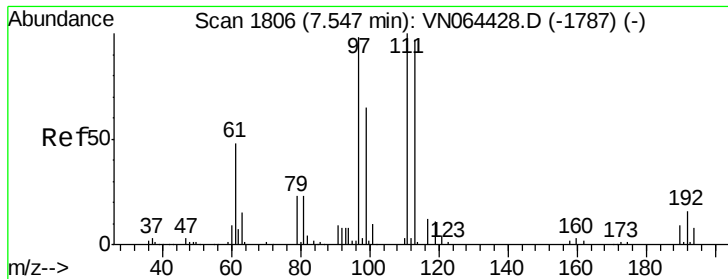


Abundance Ion 113.90 (113.60 to 114.60): VN064435.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064435.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064435.D (-2025) (-)

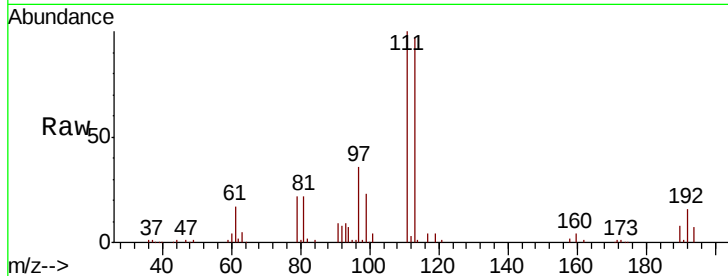




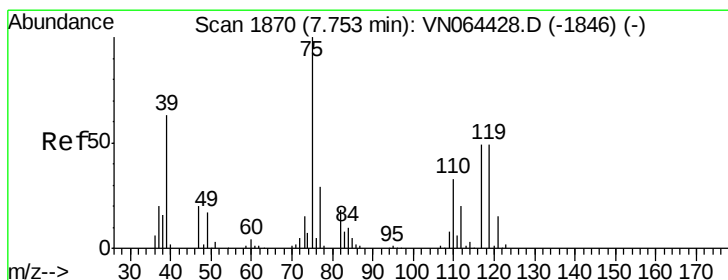
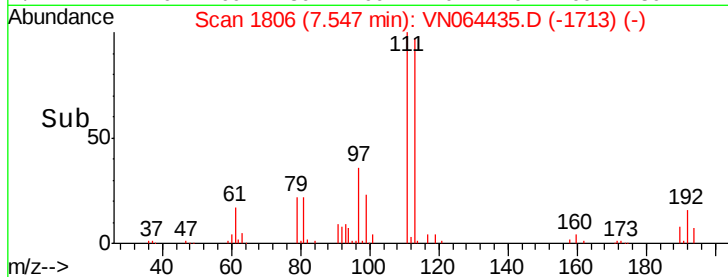
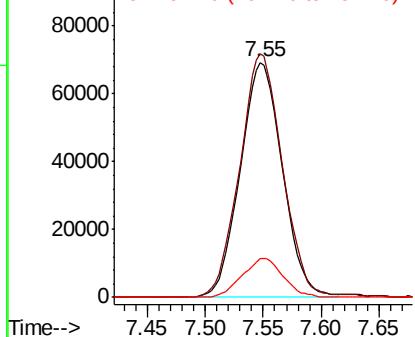
#35
 Dibromofluoromethane
 Concen: 47.625 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.1	121.7
192	16.3	12.8	19.2

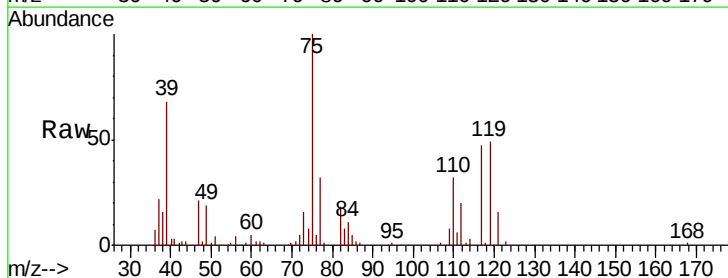


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

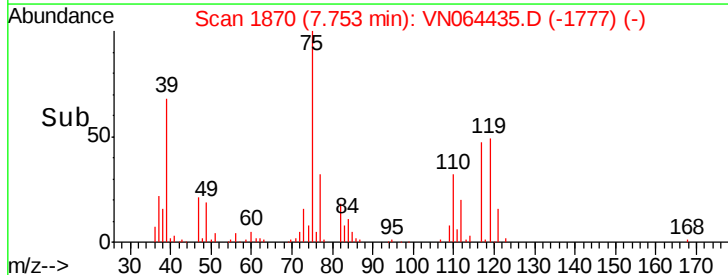
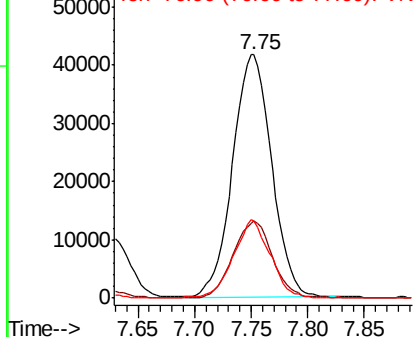


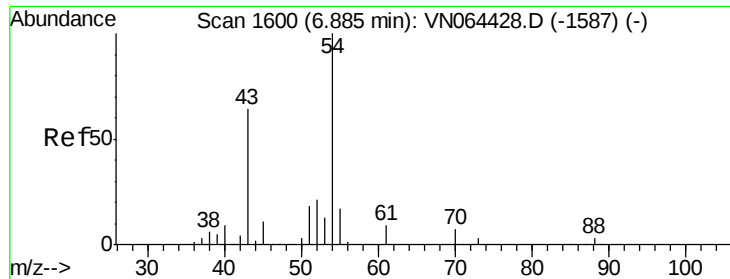
#36
 1,1-Dichloropropene
 Concen: 17.565 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.0	48.0
77	30.6	24.0	36.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

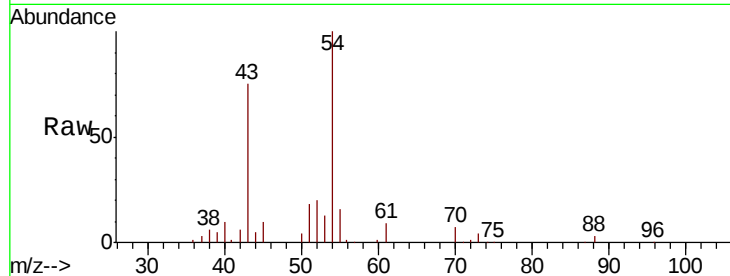




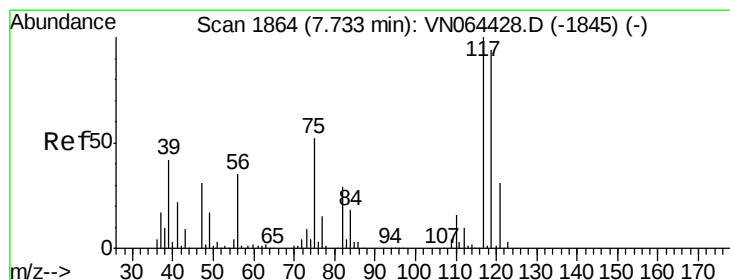
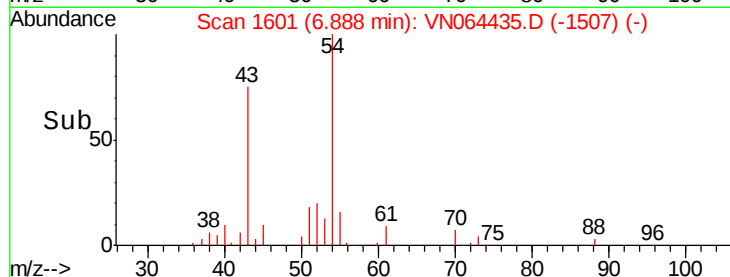
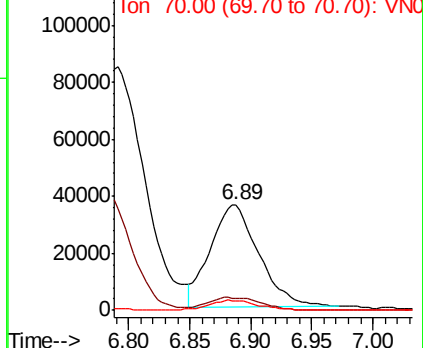
#37
Ethyl Acetate
Concen: 17.883 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampled :
VN1104MBS01

Tot Ion: 43 Resp: 100630
Ion Ratio Lower Upper
43 100
61 12.5 10.0 15.0
70 10.0 7.1 10.7

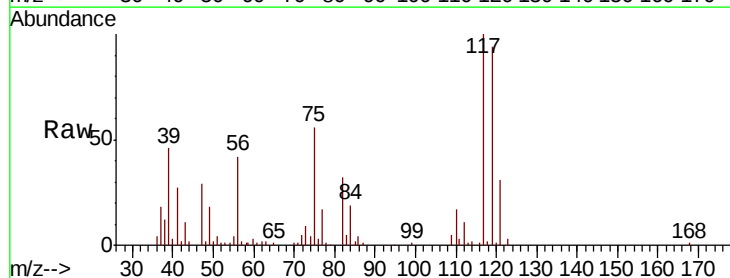


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

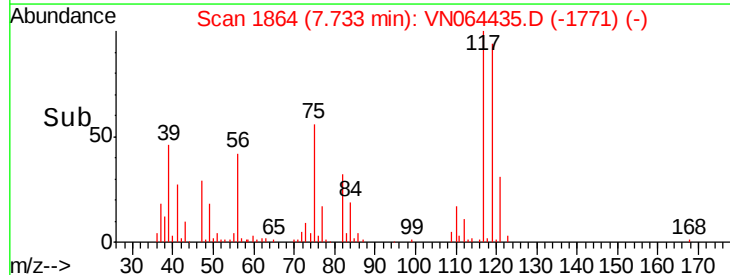
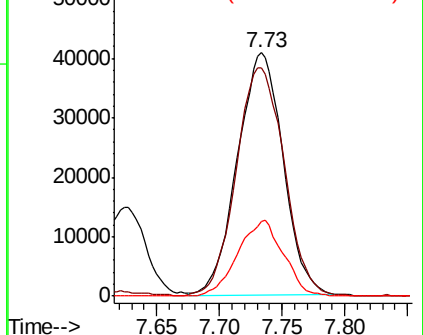


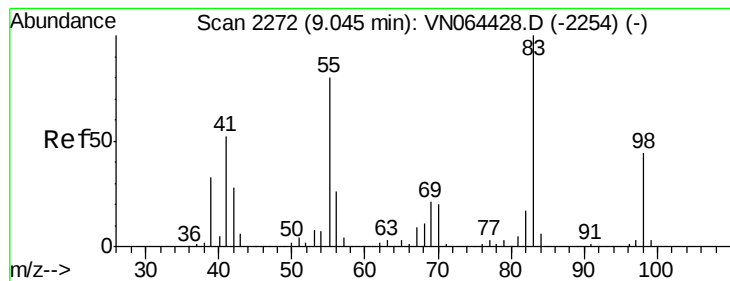
#38
Carbon Tetrachloride
Concen: 16.953 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 117 Resp: 103332
Ion Ratio Lower Upper
117 100
119 93.7 75.5 113.3
121 30.9 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

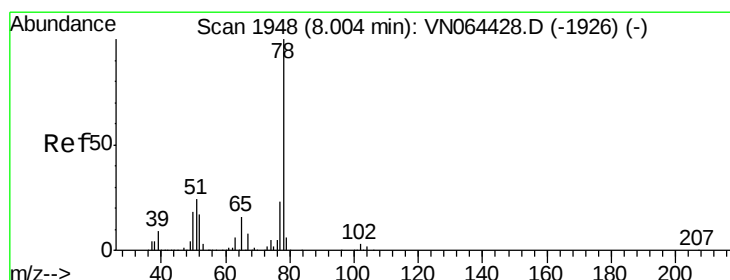
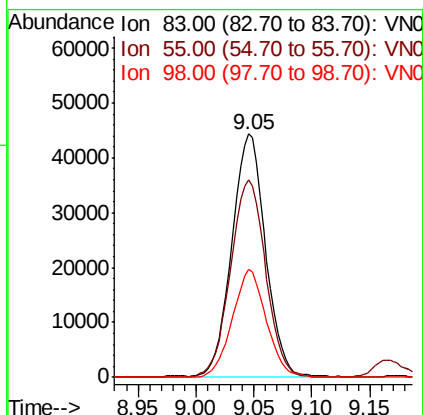
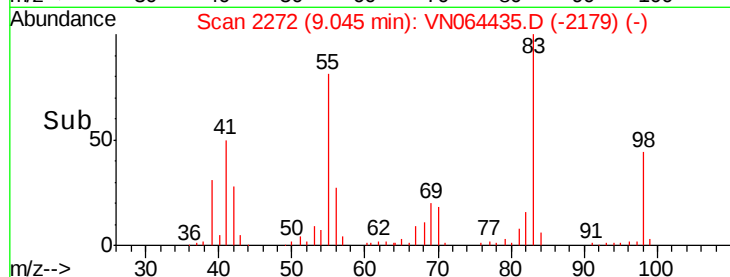
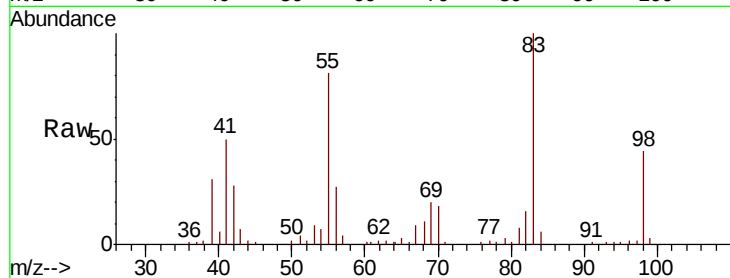




#39
Methvlcvclohexane
Concen: 17.480 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

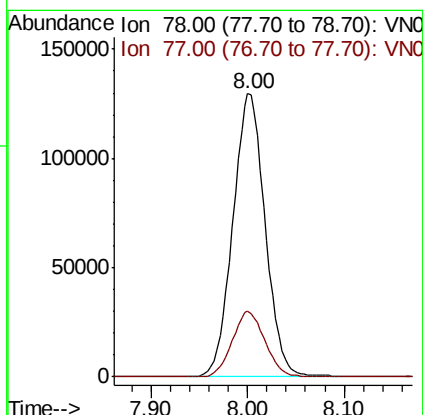
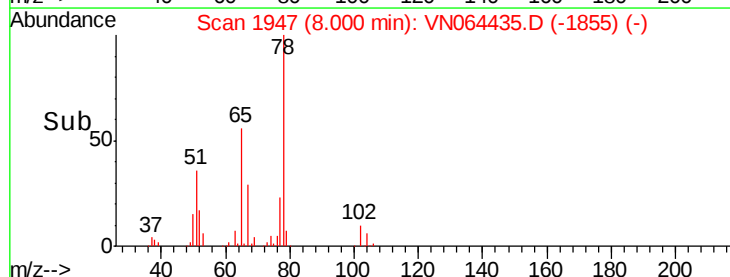
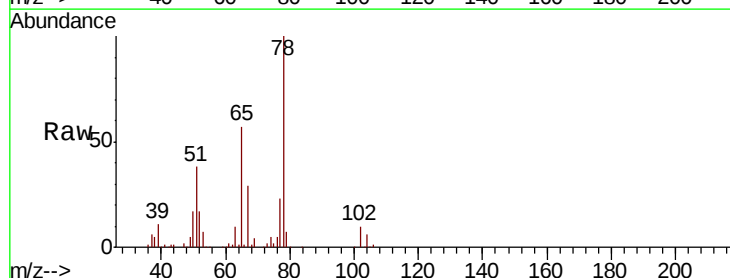
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

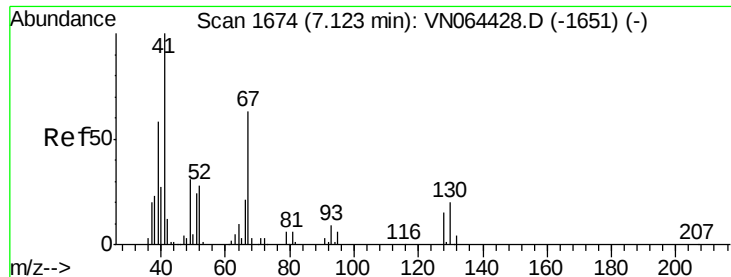
Tot Ion: 83 Resp: 89365
Ion Ratio Lower Upper
83 100
55 81.0 63.8 95.6
98 44.5 35.4 53.2



#40
Benzene
Concen: 17.922 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 78 Resp: 300337
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1

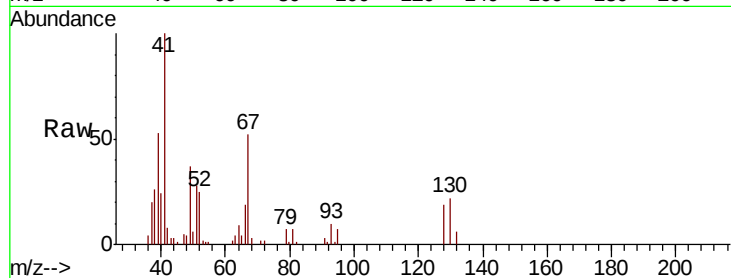




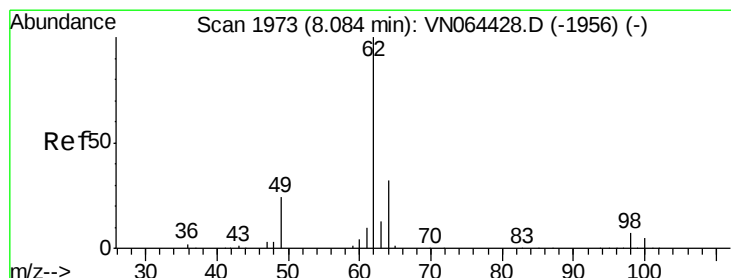
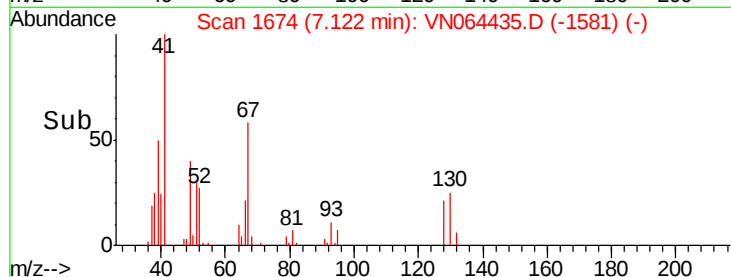
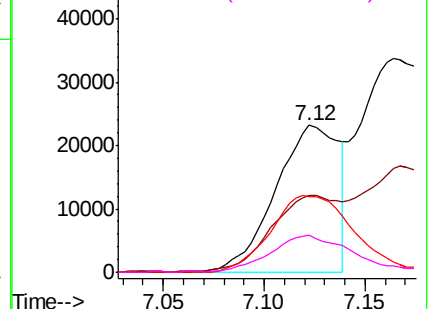
#41
Methacrylonitrile
Concen: 19.958 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion: 41 Resp: 50463
Ion Ratio Lower Upper
41 100
39 56.1 50.0 75.0
67 69.3 68.3 102.5
52 33.0 32.7 49.1

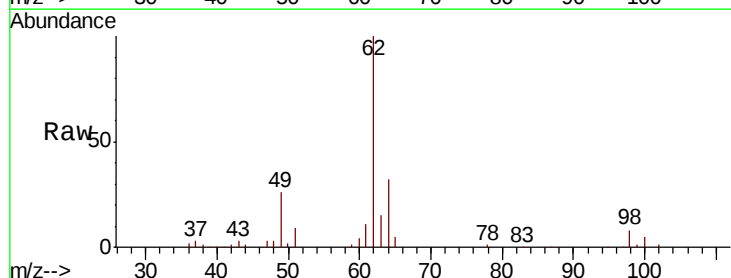


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

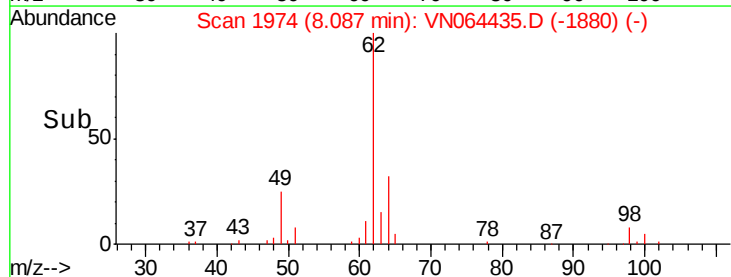
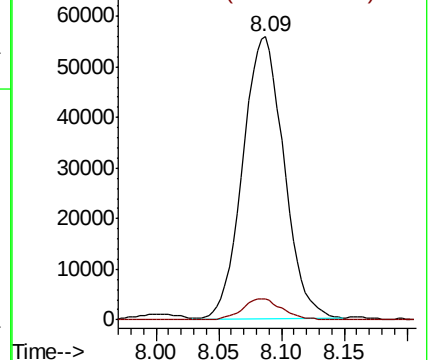


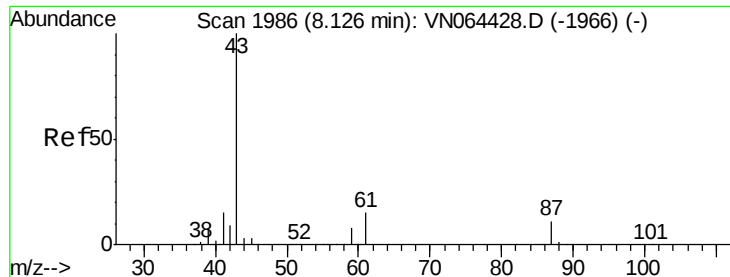
#42
1,2-Dichloroethane
Concen: 18.821 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 62 Resp: 127289
Ion Ratio Lower Upper
62 100
98 7.2 0.0 14.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.958 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

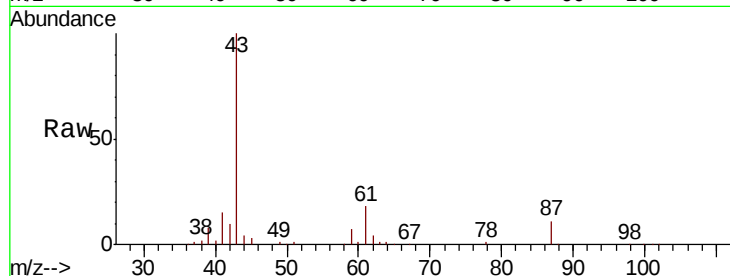
Tot Ion: 43 Resp: 175211

Ion Ratio Lower Upper

43 100

61 18.7 14.0 21.0

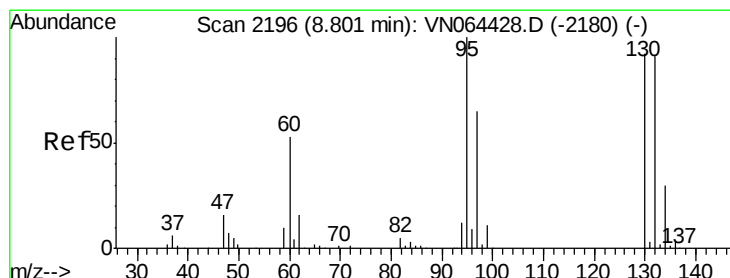
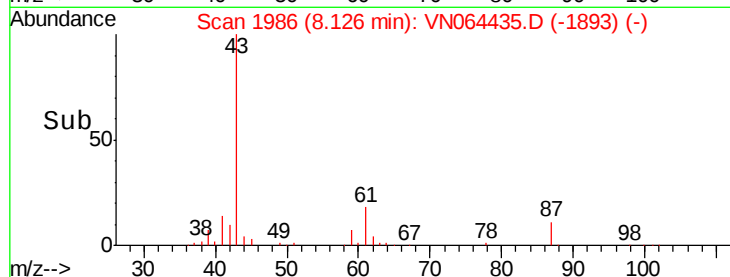
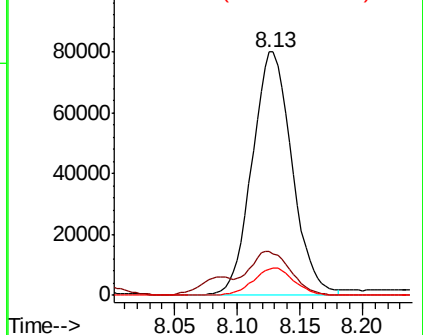
87 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#44

Trichloroethene

Concen: 17.818 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064435.D

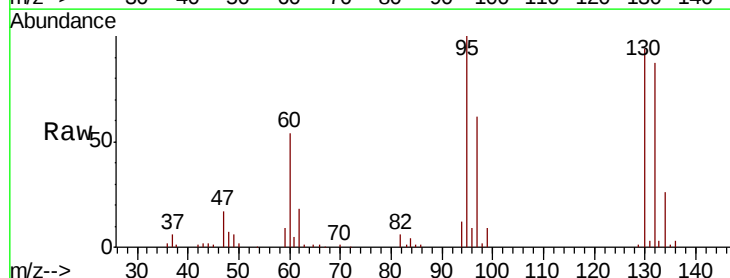
Acq: 4 Nov 2020 14:47

Tgt Ion:130 Resp: 75337

Ion Ratio Lower Upper

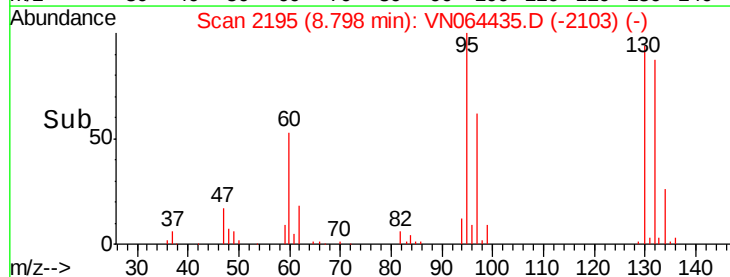
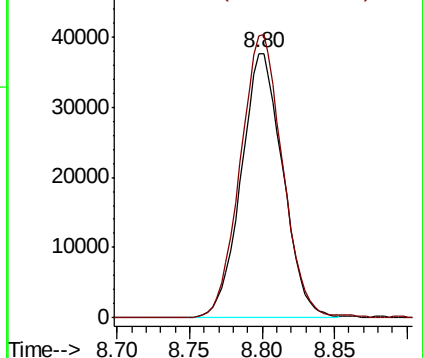
130 100

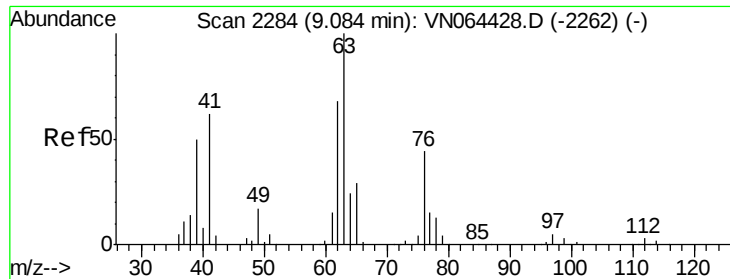
95 106.5 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064428.D (-2180) (-)

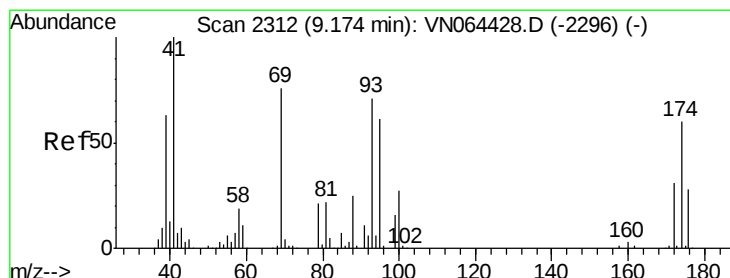
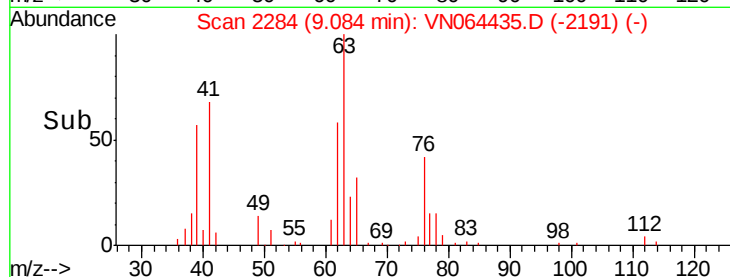
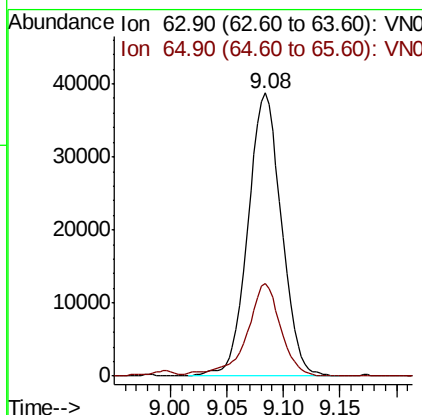
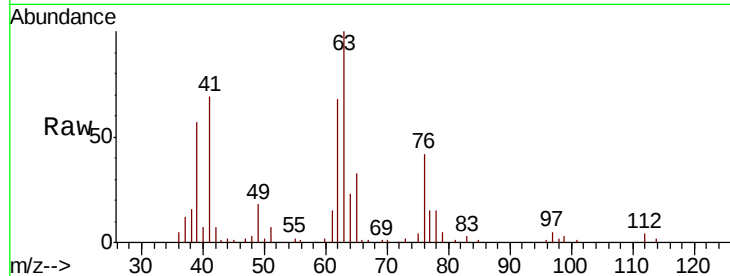




#45
 1,2-Dichloropropane
 Concen: 17.881 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

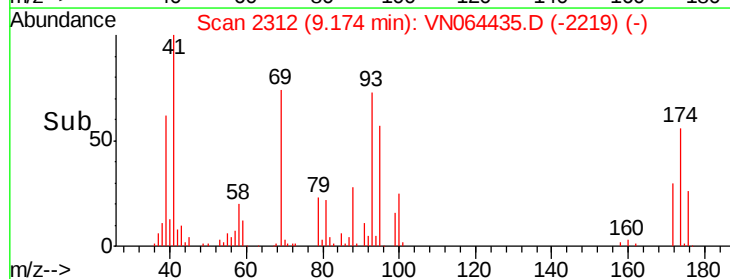
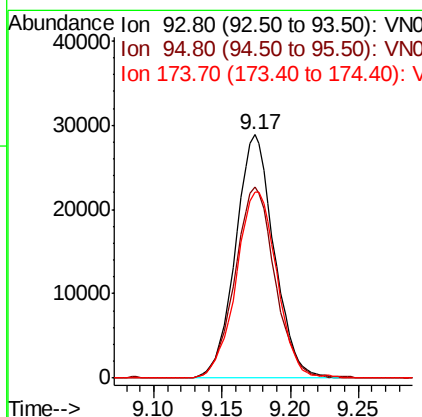
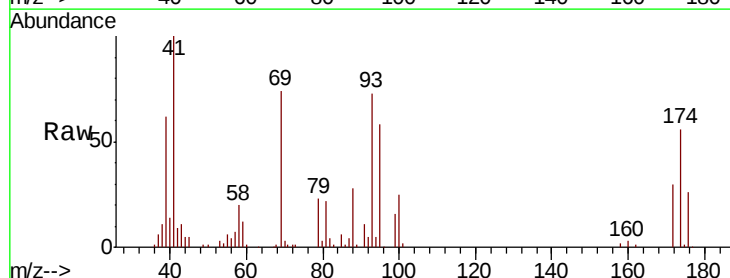
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

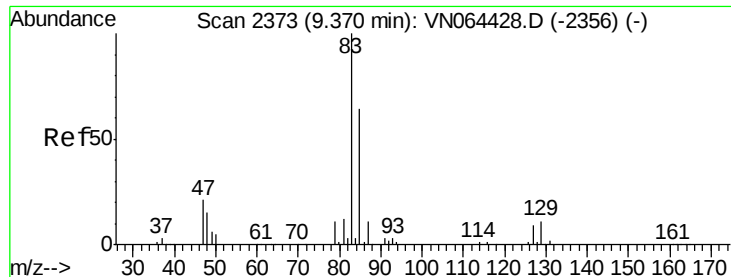
Tot Ion: 63 Resp: 79957
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.6 35.4



#46
 Dibromomethane
 Concen: 19.239 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion: 93 Resp: 56631
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.4 99.6
 174 80.8 67.2 100.8

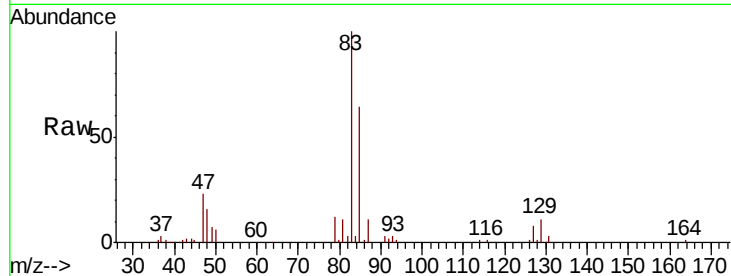




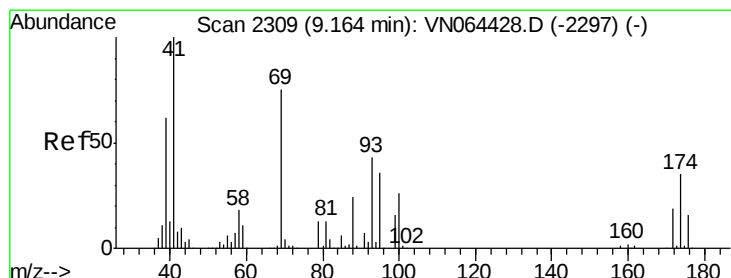
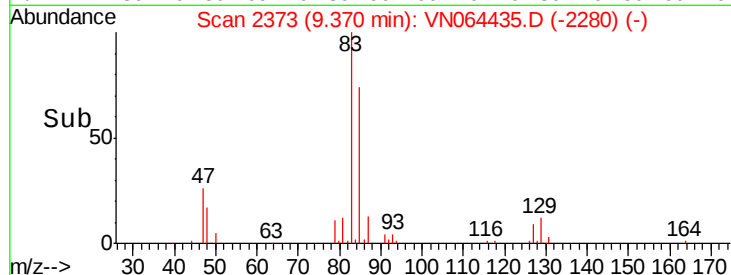
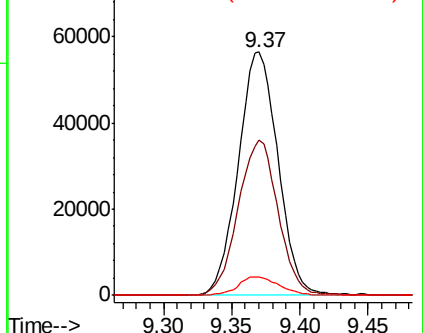
#47
Bromodichloromethane
Concen: 18.033 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion: 83 Resp: 114138
Ion Ratio Lower Upper
83 100
85 63.6 51.2 76.8
127 7.8 6.9 10.3

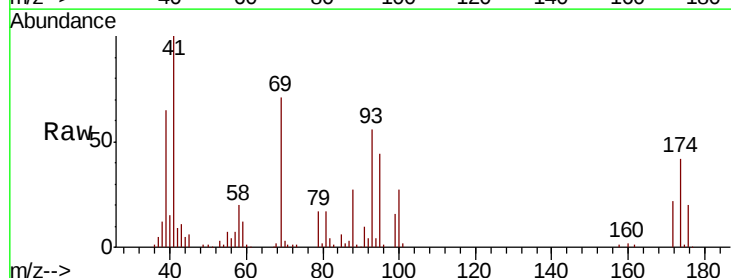


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

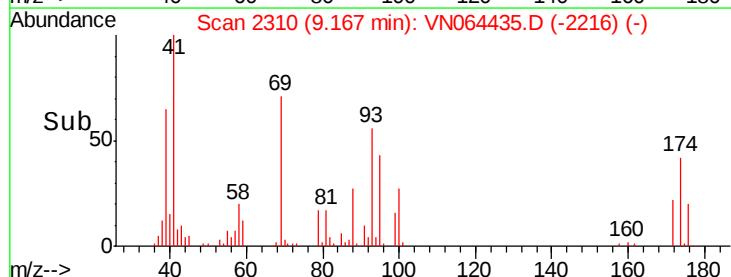
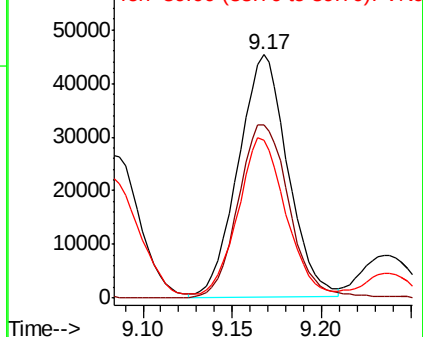


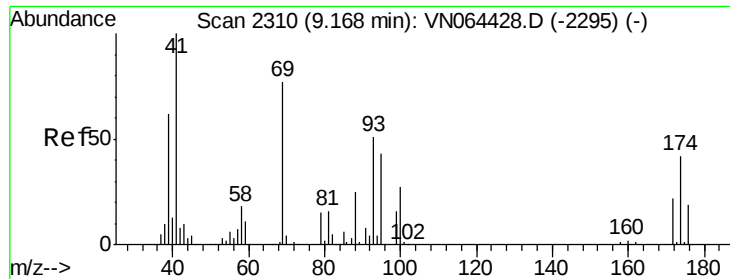
#48
Methyl methacrylate
Concen: 18.817 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 41 Resp: 87754
Ion Ratio Lower Upper
41 100
69 73.7 60.4 90.6
39 63.7 51.2 76.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 419.441 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampled :

VN1104MBS01

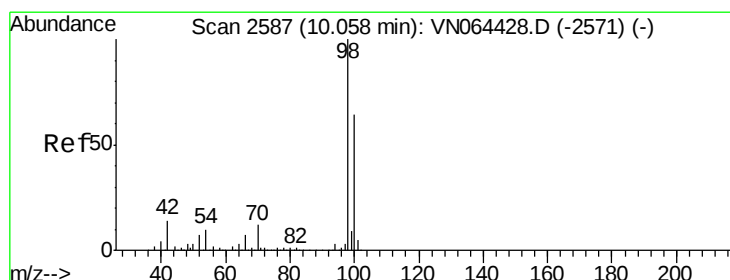
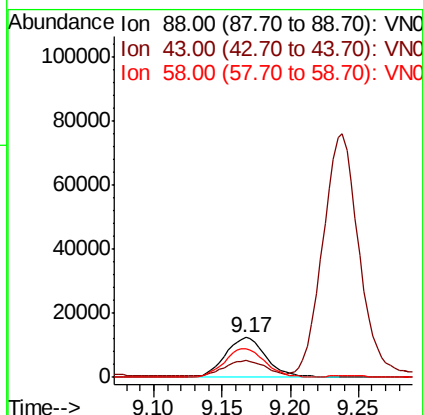
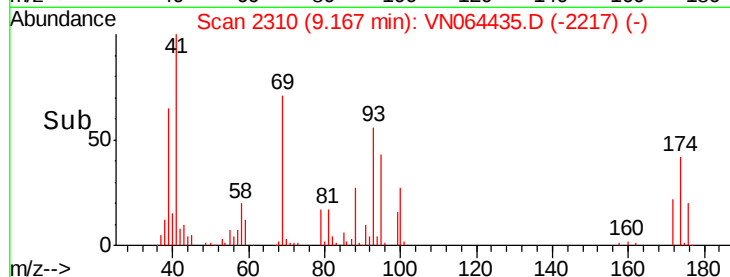
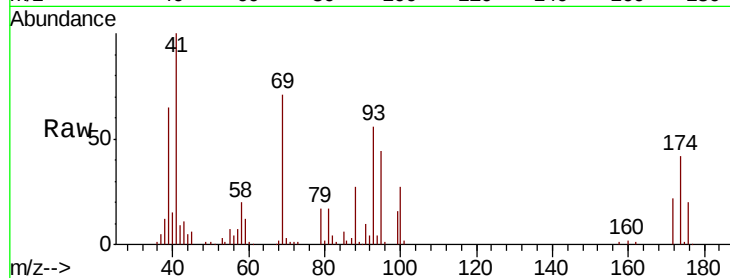
Tot Ion: 88 Resp: 25765

Ion Ratio Lower Upper

88 100

43 37.9 31.0 46.6

58 72.6 58.4 87.6



#50

Toluene-d8

Concen: 46.295 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064435.D

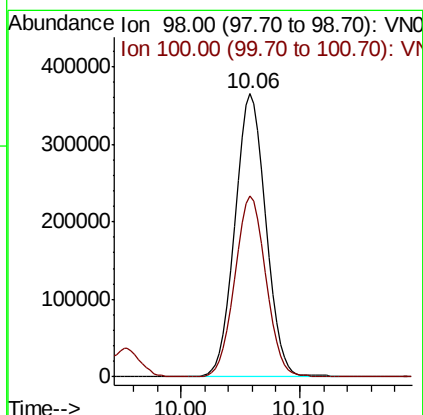
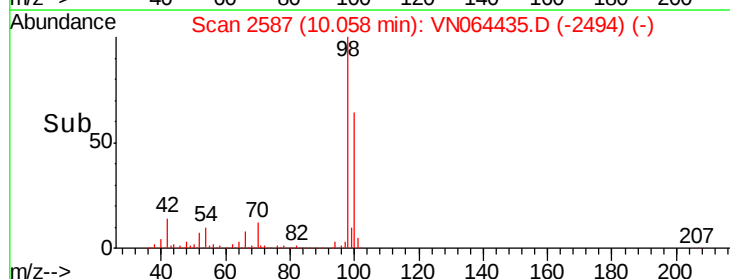
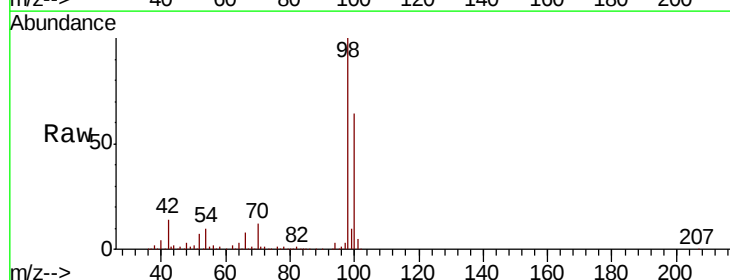
Acq: 4 Nov 2020 14:47

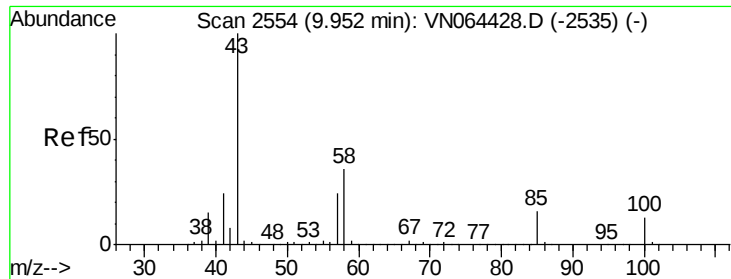
Tgt Ion: 98 Resp: 657676

Ion Ratio Lower Upper

98 100

100 64.2 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 98.614 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

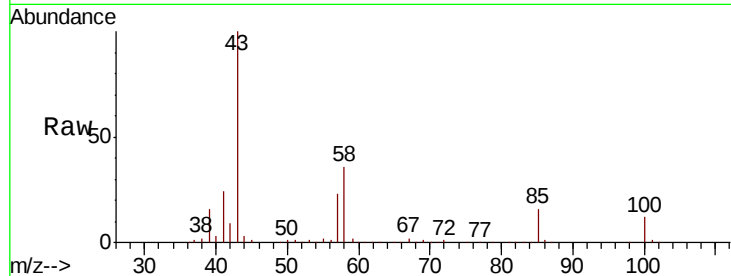
VN1104MBS01

Tot Ion: 43 Resp: 531513

Ion Ratio Lower Upper

43 100

58 35.9 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

9.95

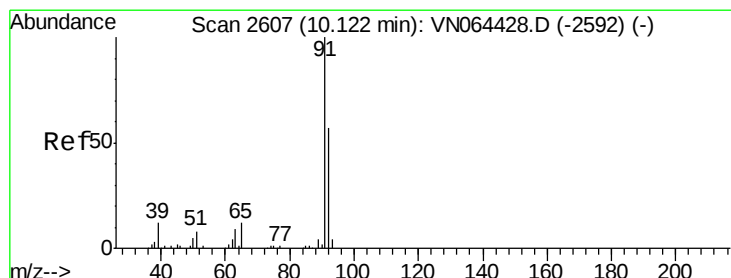
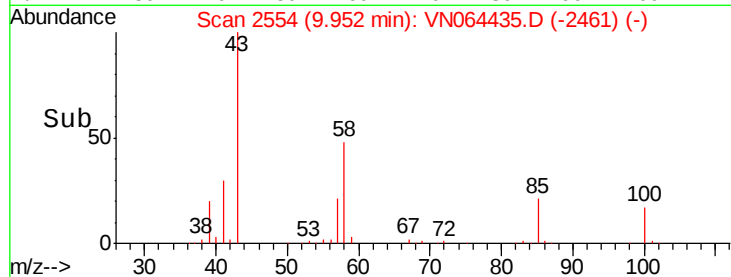
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.280 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064435.D

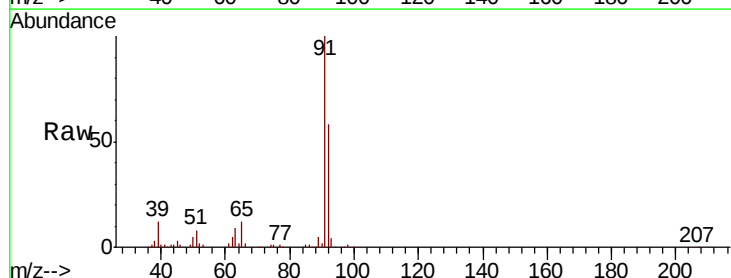
Acq: 4 Nov 2020 14:47

Tgt Ion: 92 Resp: 186839

Ion Ratio Lower Upper

92 100

91 172.4 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

10.12

200000

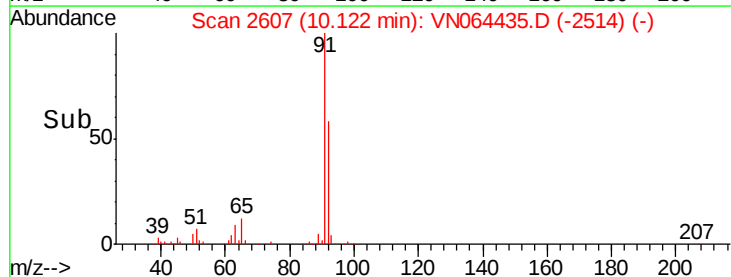
150000

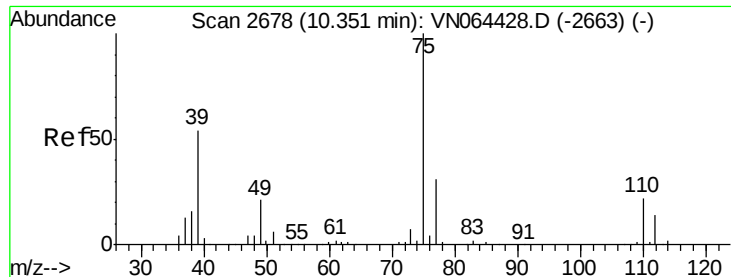
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.197 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

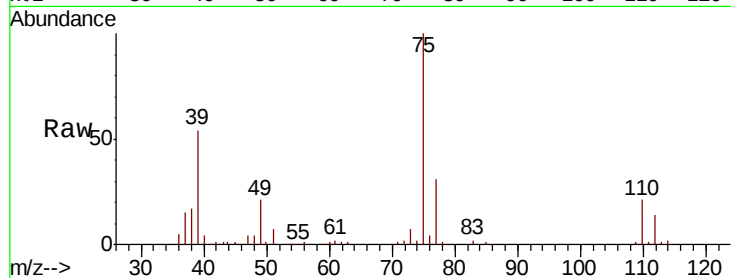
VN1104MBS01

Tot Ion: 75 Resp: 122102

Ion Ratio Lower Upper

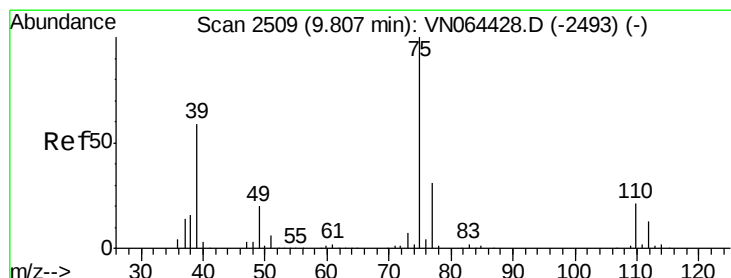
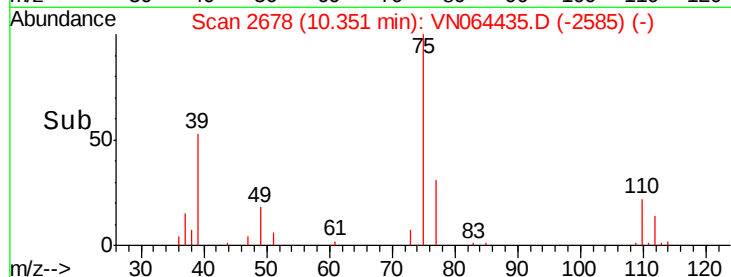
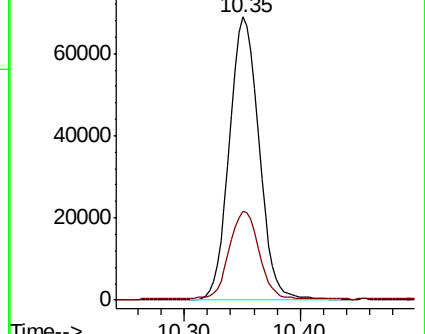
75 100

77 30.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.550 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

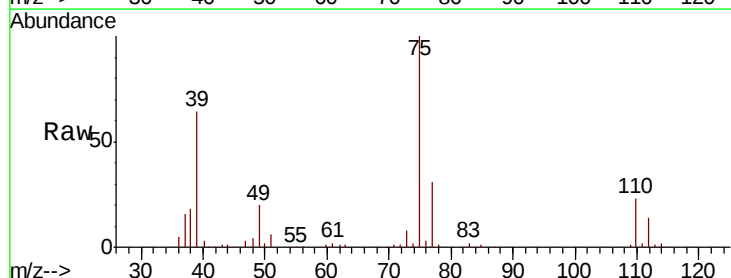
Tgt Ion: 75 Resp: 125910

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

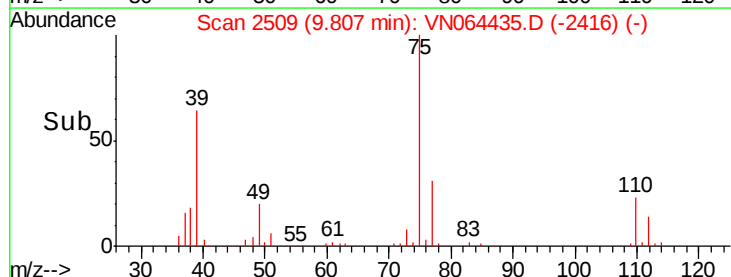
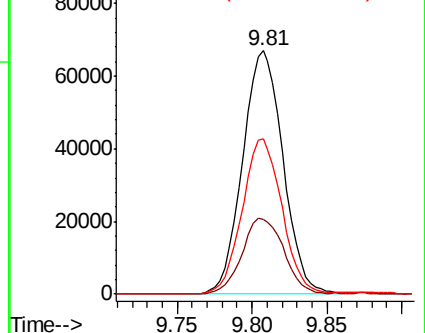
39 63.2 47.1 70.7

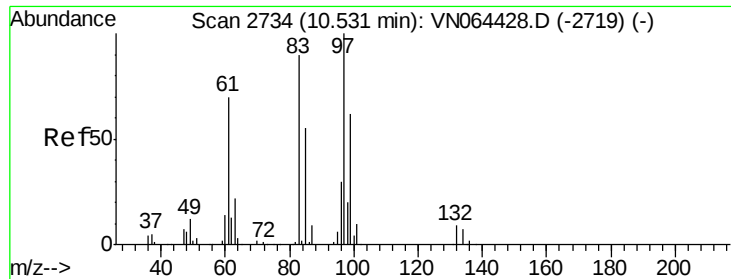


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

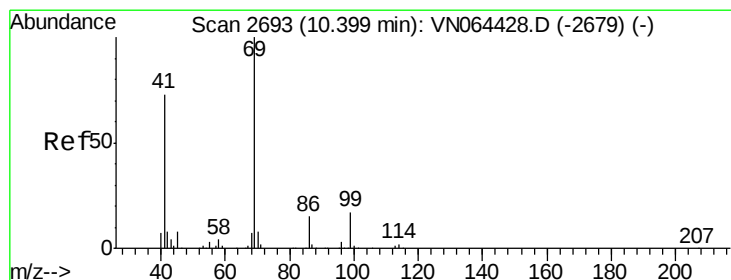
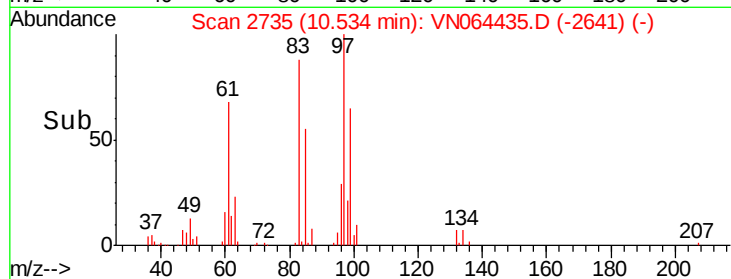
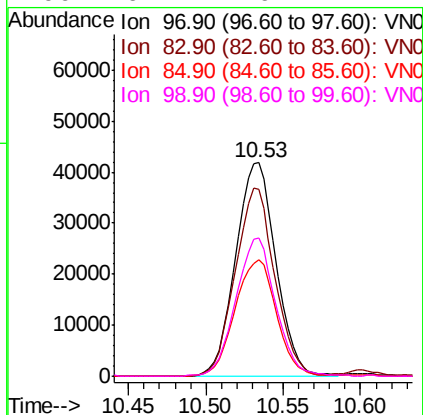
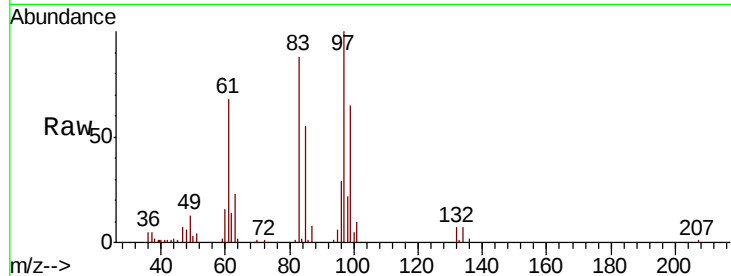




#55
 1,1,2-Trichloroethane
 Concen: 19.002 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

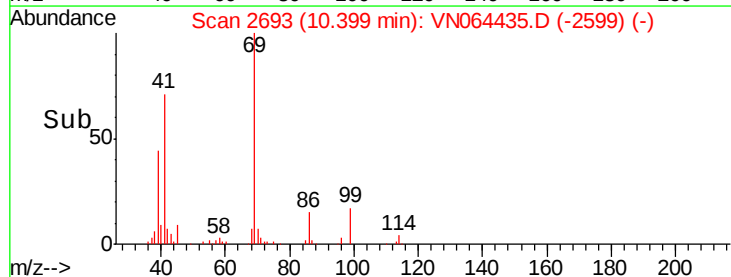
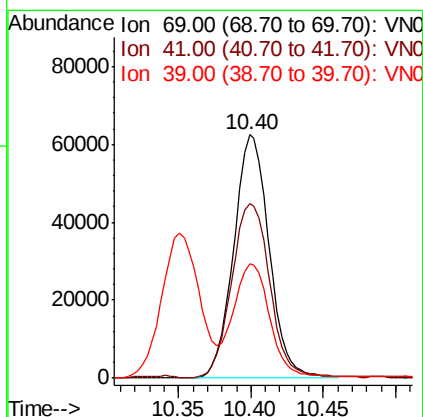
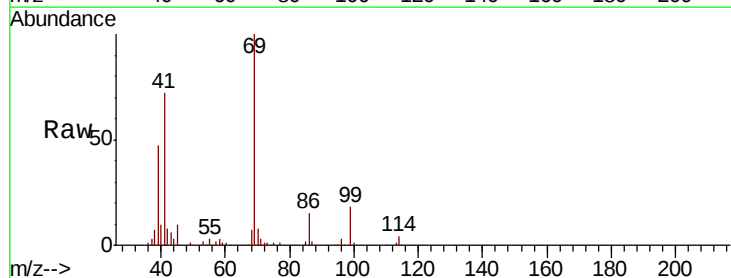
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

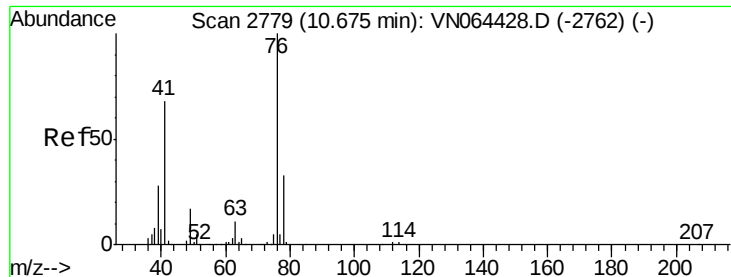
Tot Ion: 97 Resp: 75745
 Ion Ratio Lower Upper
 97 100
 83 87.8 71.7 107.5
 85 54.6 44.3 66.5
 99 64.4 49.4 74.2



#56
 Ethyl methacrylate
 Concen: 17.441 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion: 69 Resp: 106226
 Ion Ratio Lower Upper
 69 100
 41 76.8 59.3 88.9
 39 47.8 35.4 53.0





#57

1,3-Dichloropropane

Concen: 18.822 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

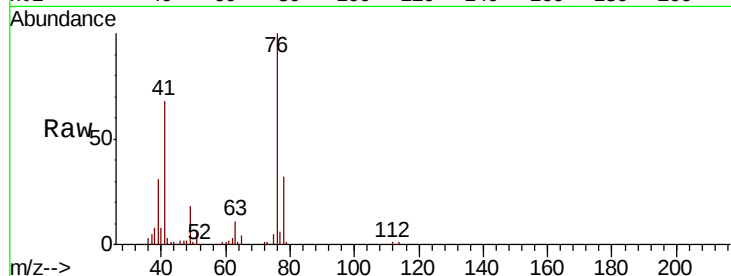
VN1104MBS01

Tot Ion: 76 Resp: 130957

Ion Ratio Lower Upper

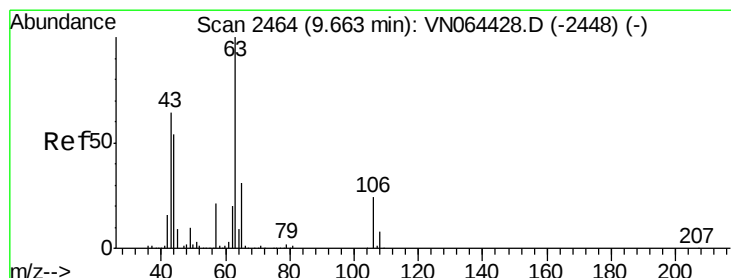
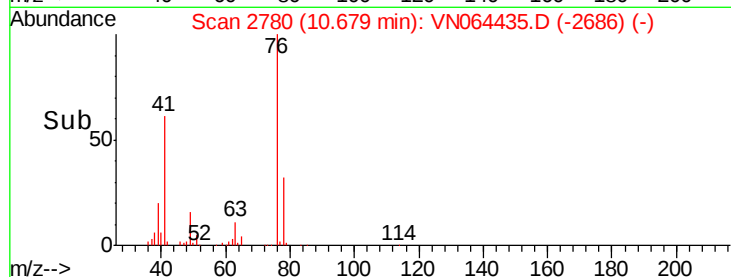
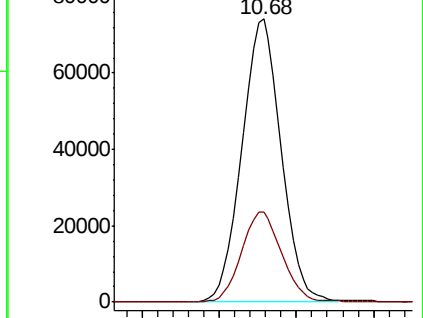
76 100

78 32.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.486 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064435.D

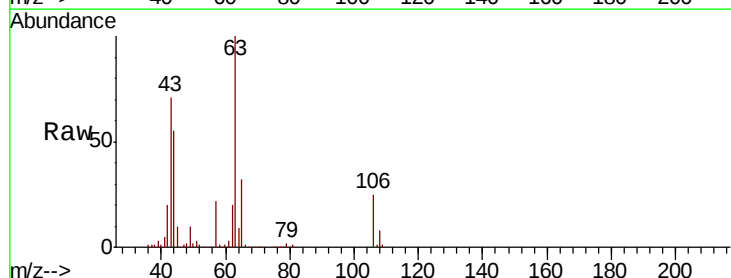
Acq: 4 Nov 2020 14:47

Tgt Ion: 63 Resp: 281292

Ion Ratio Lower Upper

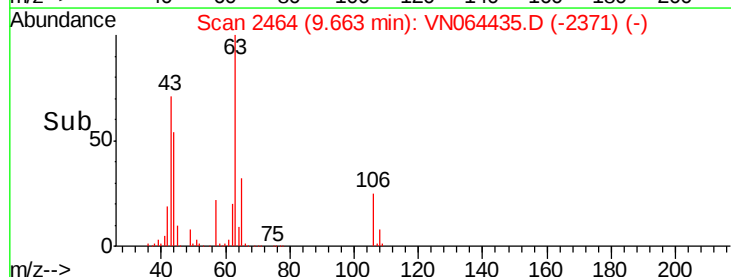
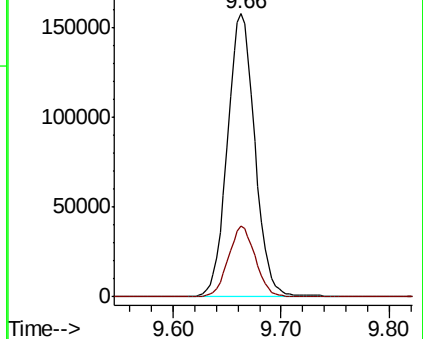
63 100

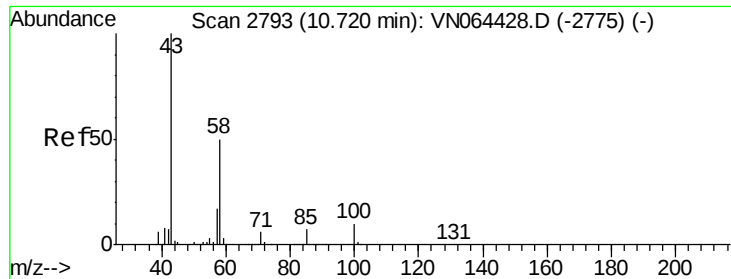
106 24.5 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 88.570 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

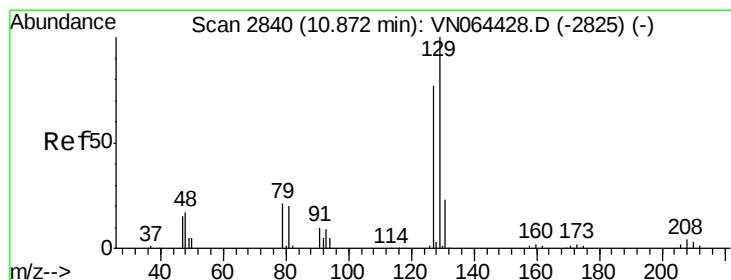
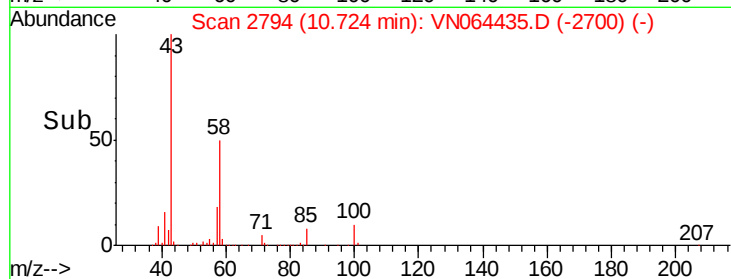
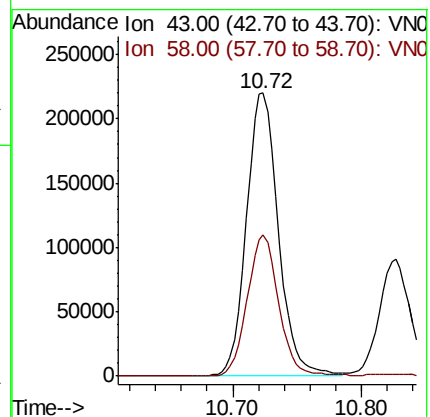
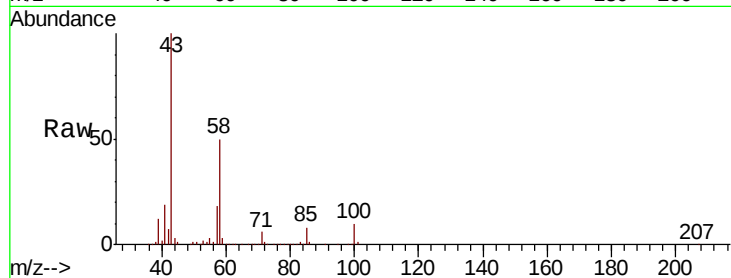
VN1104MBS01

Tot Ion: 43 Resp: 377654

Ion Ratio Lower Upper

43 100

58 49.4 24.7 74.1



#60

Dibromochloromethane

Concen: 18.306 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064435.D

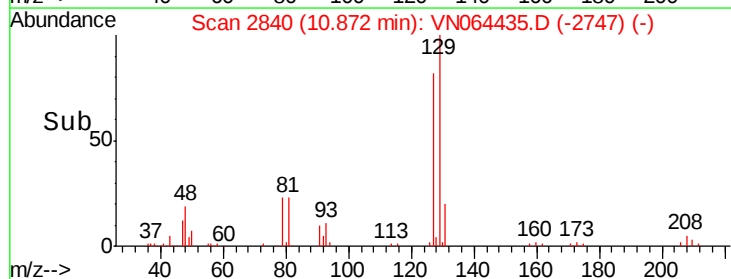
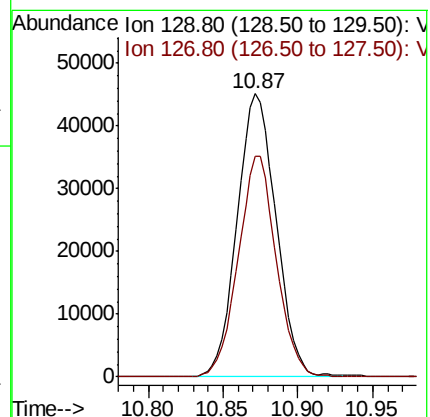
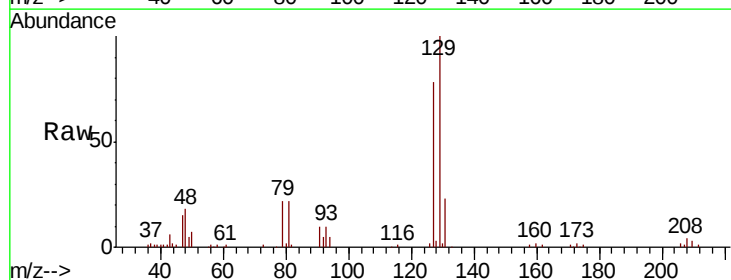
Acq: 4 Nov 2020 14:47

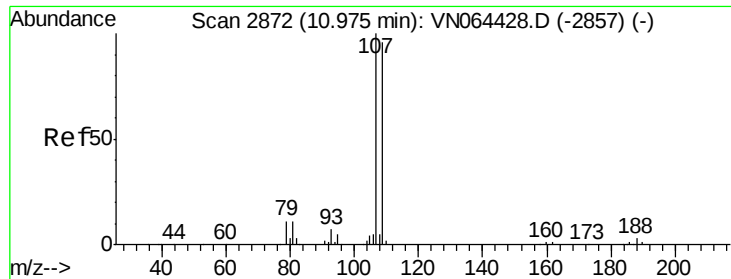
Tgt Ion: 129 Resp: 81698

Ion Ratio Lower Upper

129 100

127 76.2 38.9 116.7

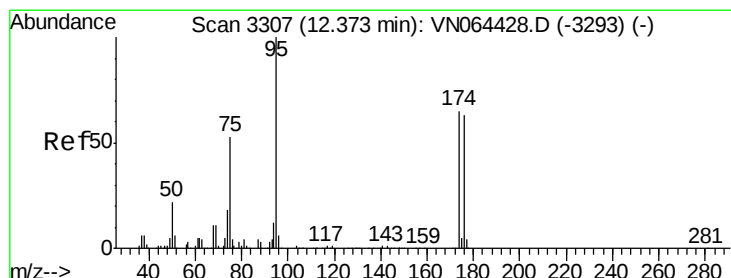
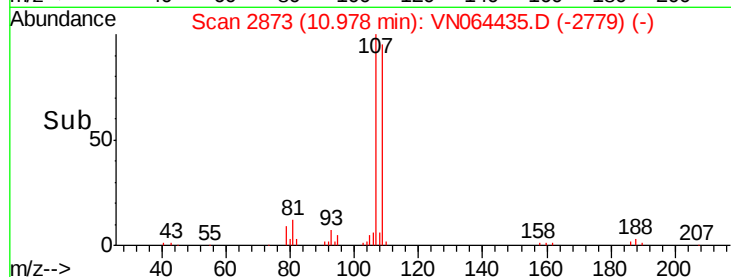
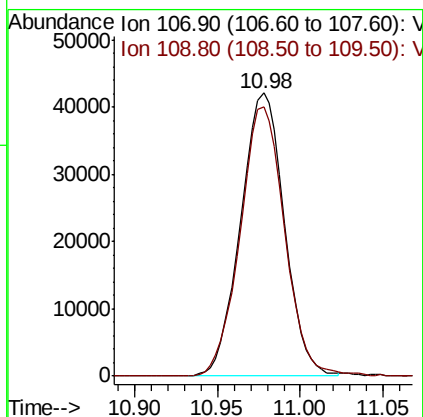
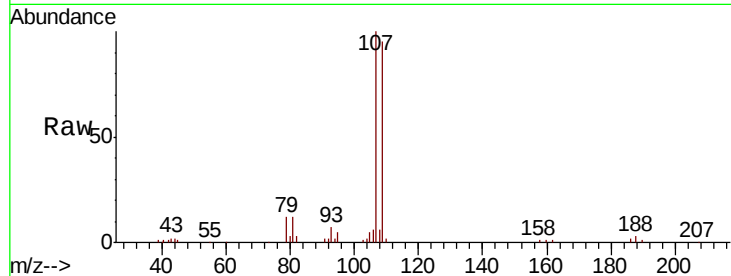




#61
 1,2-Dibromoethane
 Concen: 19.120 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

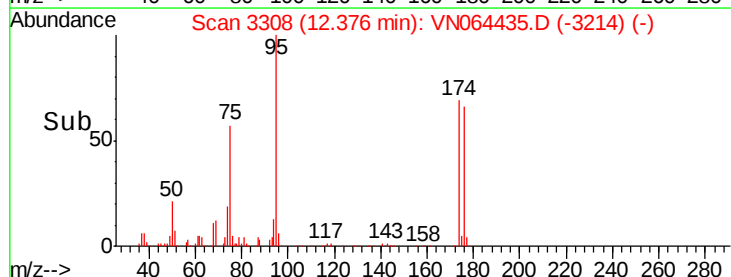
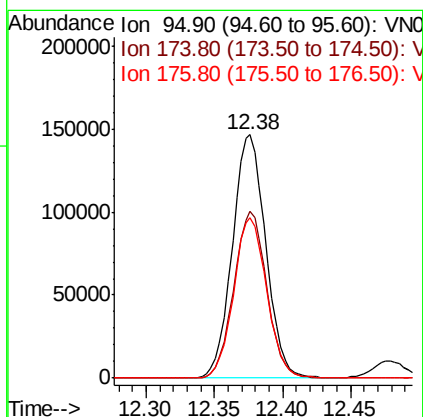
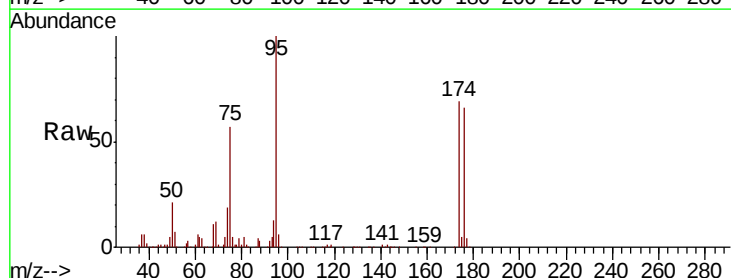
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

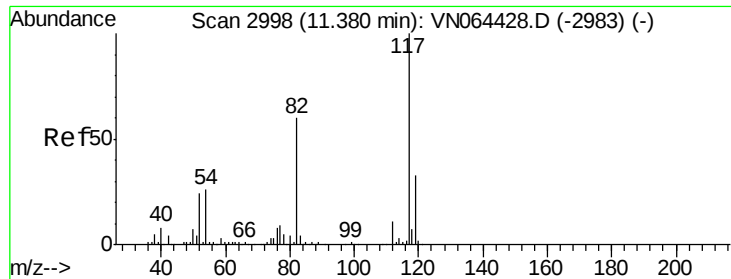
Tot Ion: 107 Resp: 77307
 Ion Ratio Lower Upper
 107 100
 109 97.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.356 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion: 95 Resp: 249050
 Ion Ratio Lower Upper
 95 100
 174 67.7 0.0 132.6
 176 65.3 0.0 129.2

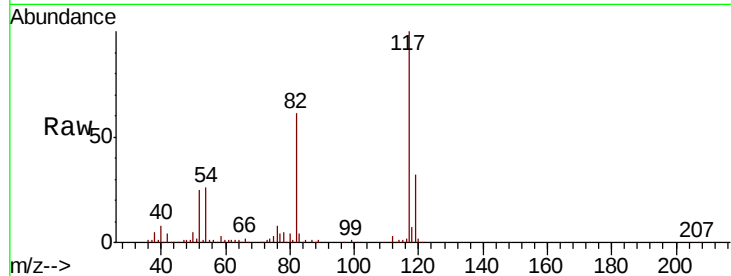




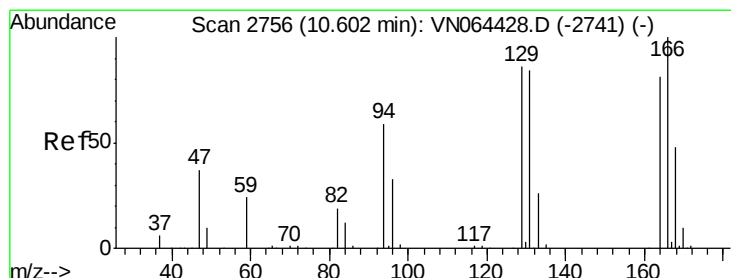
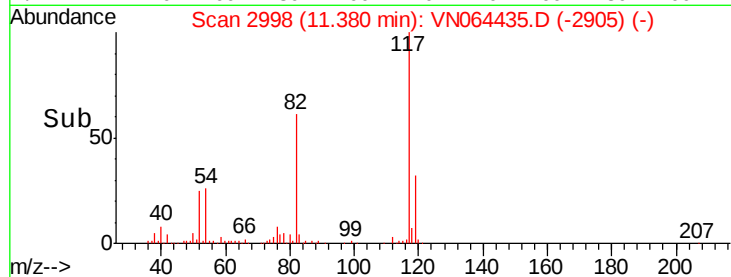
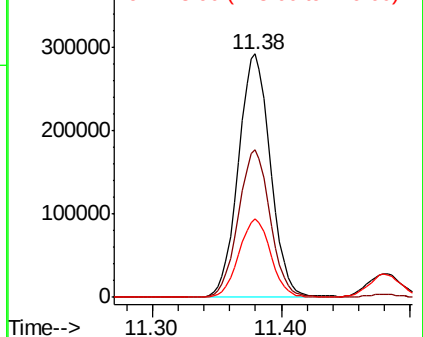
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion:117 Resp: 504266
Ion Ratio Lower Upper
117 100
82 60.5 48.1 72.1
119 32.1 26.2 39.4

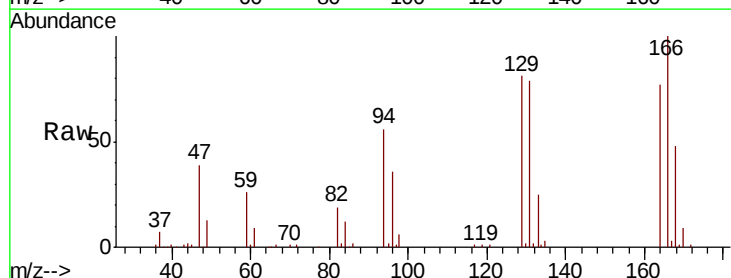


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

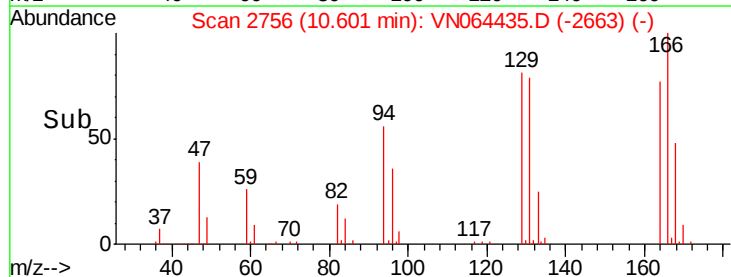
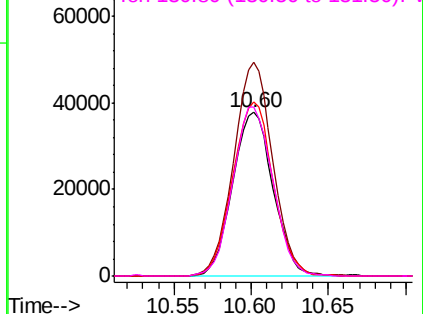


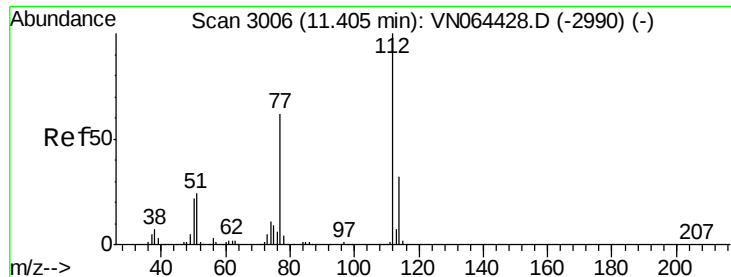
#64
Tetrachloroethene
Concen: 17.647 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion:164 Resp: 68547
Ion Ratio Lower Upper
164 100
166 130.4 98.2 147.2
129 106.1 84.6 127.0
131 103.4 82.2 123.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

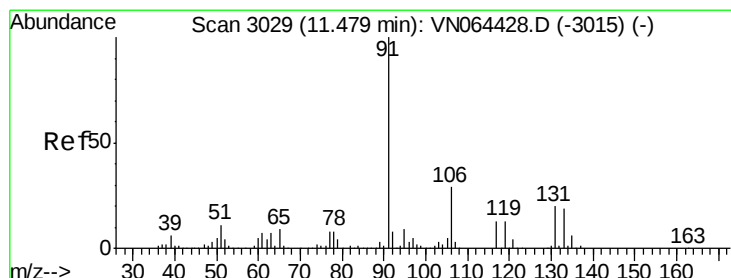
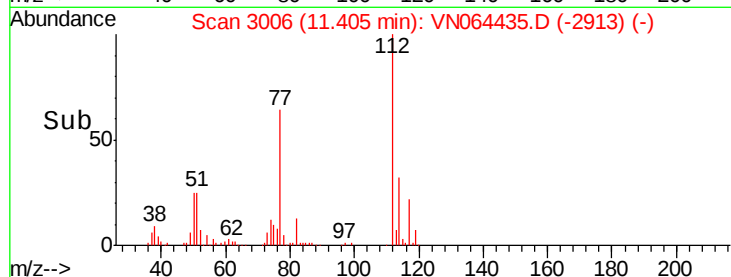
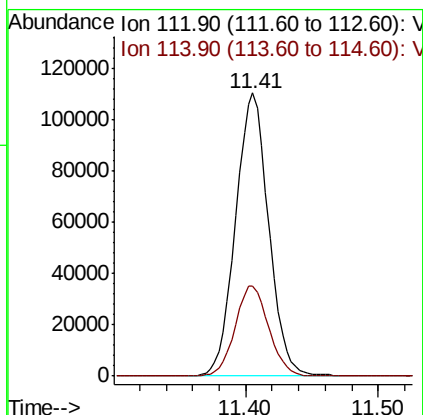
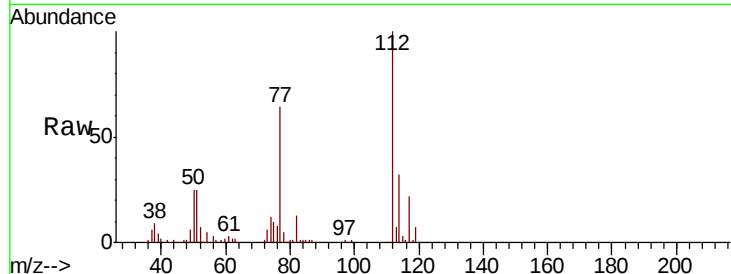




#65
Chlorobenzene
Concen: 17.296 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

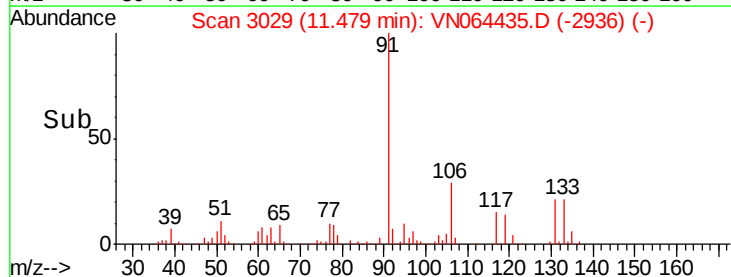
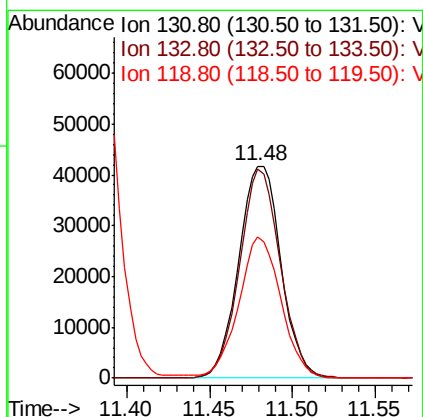
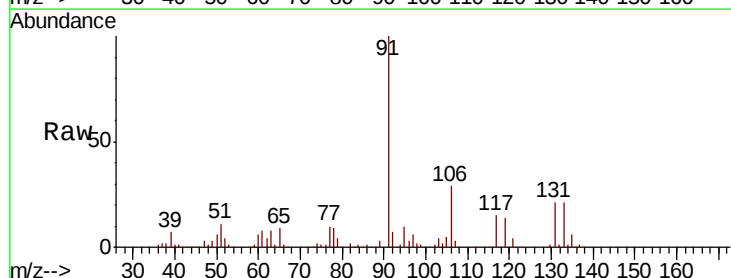
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

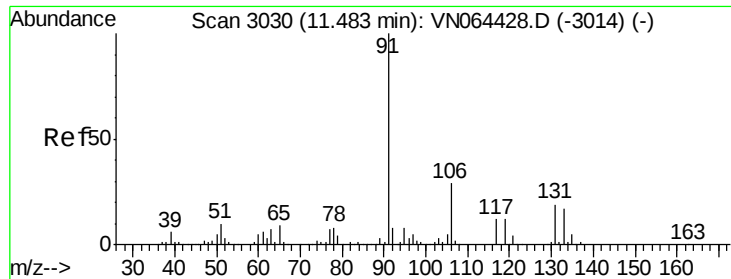
Tot Ion:112 Resp: 191205
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 17.925 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion:131 Resp: 73922
Ion Ratio Lower Upper
131 100
133 95.3 46.9 140.7
119 66.5 32.1 96.5

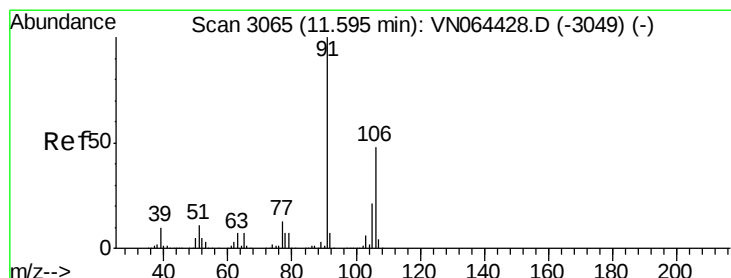
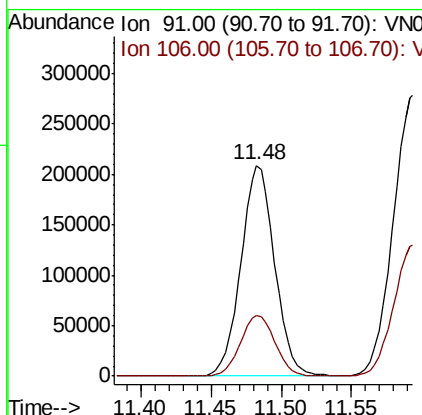
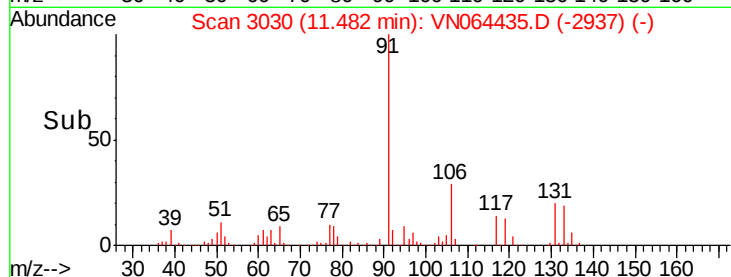
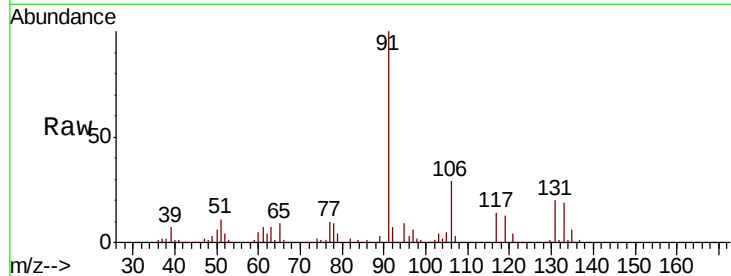




#67
Ethyl Benzene
Concen: 17.781 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

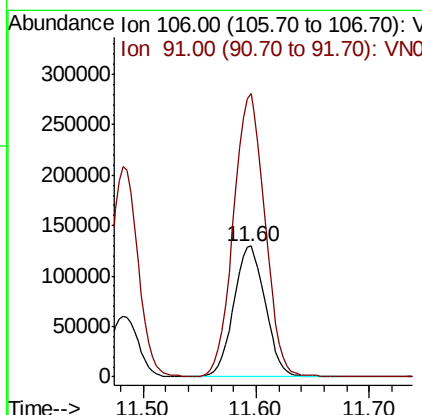
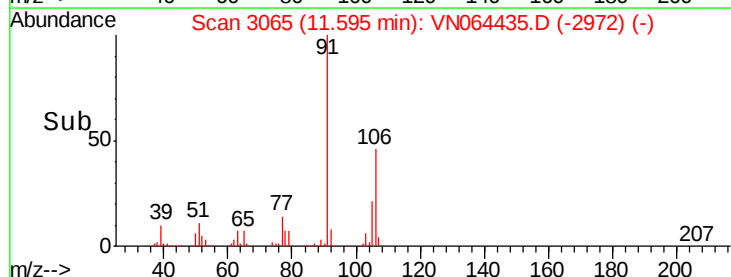
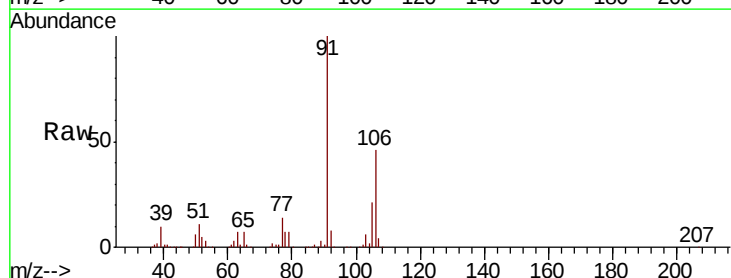
Instrument :
MSVOA_N
ClientSampled :
VN1104MBS01

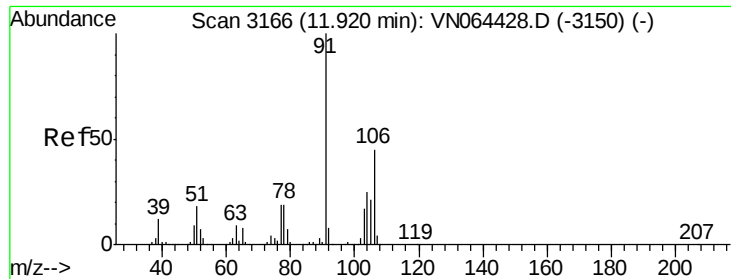
Tot Ion: 91 Resp: 349629
Ion Ratio Lower Upper
91 100
106 28.7 23.6 35.4



#68
m/p-Xylenes
Concen: 35.286 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 106 Resp: 251628
Ion Ratio Lower Upper
106 100
91 215.9 169.4 254.2

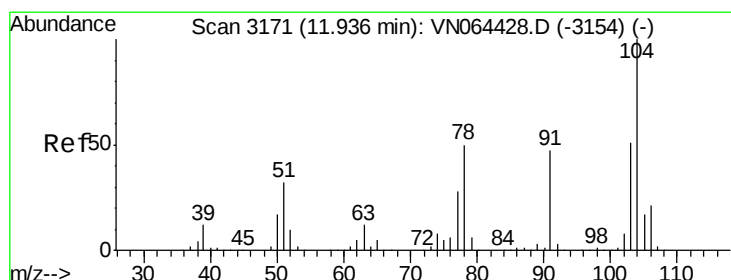
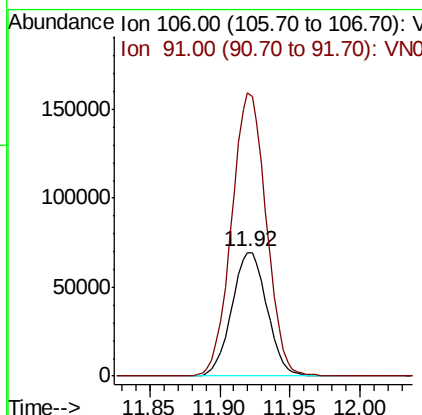
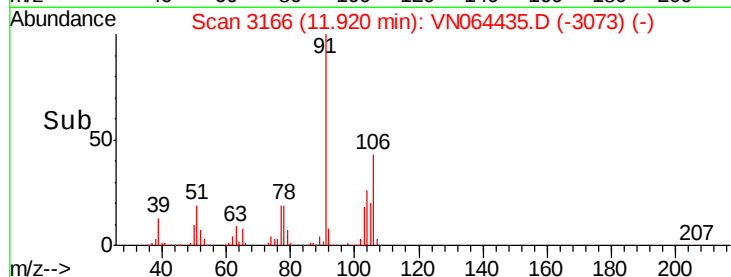
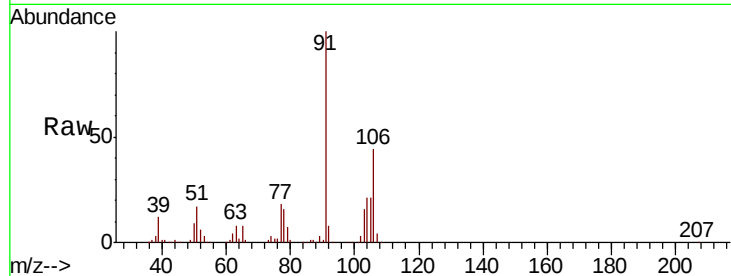




#69
o-Xylene
Concen: 17.674 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

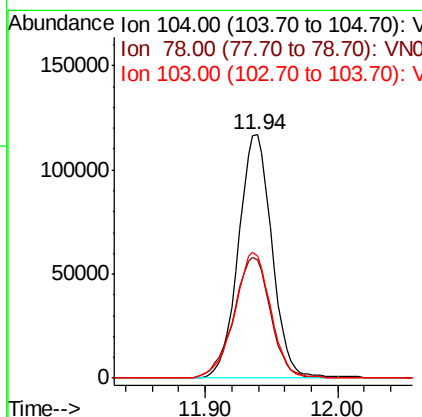
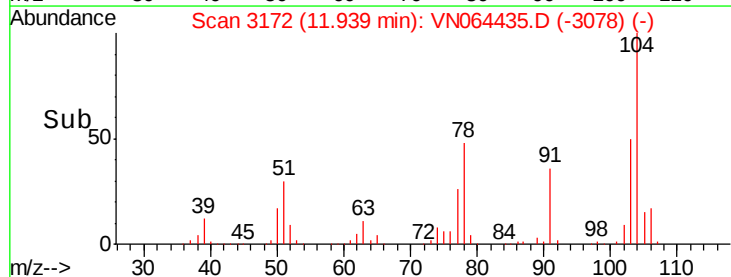
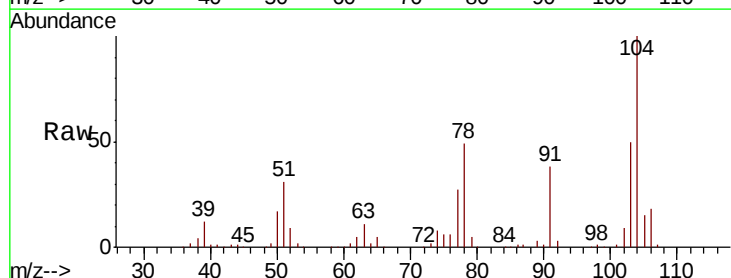
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

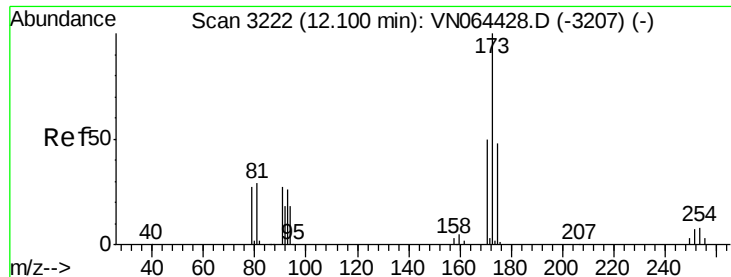
Tot Ion:106 Resp: 121791
Ion Ratio Lower Upper
106 100
91 225.5 111.7 334.9



#70
Styrene
Concen: 17.683 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion:104 Resp: 205043
Ion Ratio Lower Upper
104 100
78 54.9 44.0 66.0
103 55.8 43.8 65.6





#71

Bromoform

Concen: 17.385 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

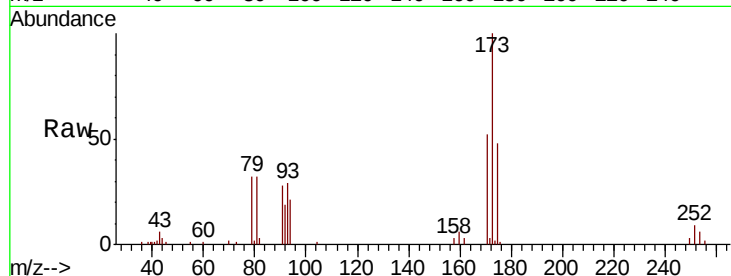
Tot Ion:173 Resp: 51192

Ion Ratio Lower Upper

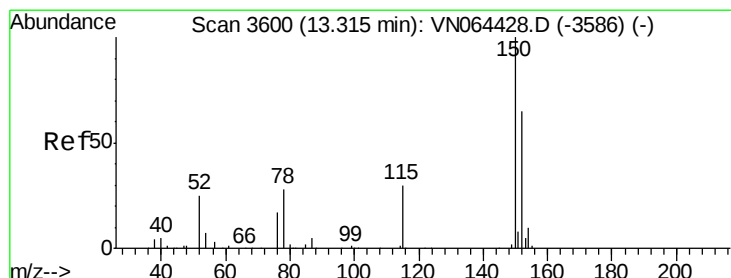
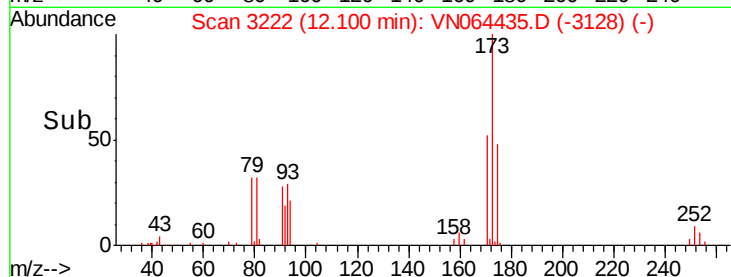
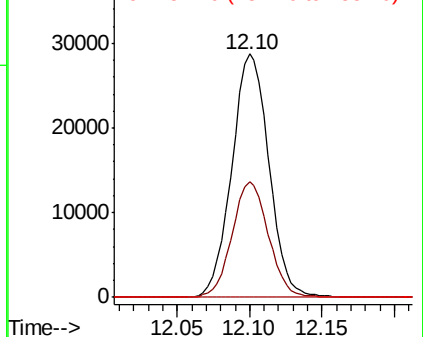
173 100

175 46.3 23.7 71.1

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

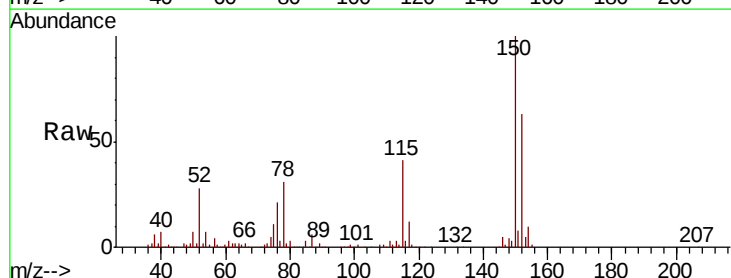
Tgt Ion:152 Resp: 221972

Ion Ratio Lower Upper

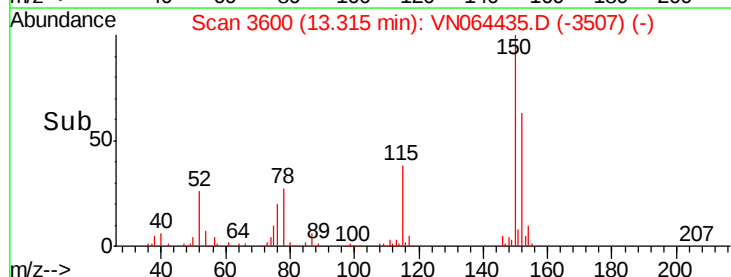
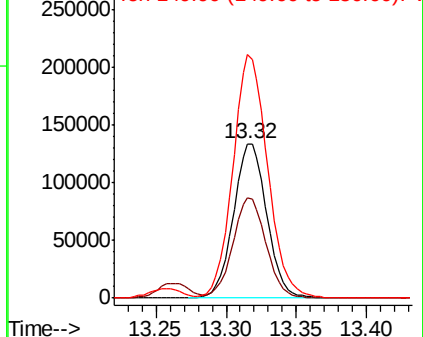
152 100

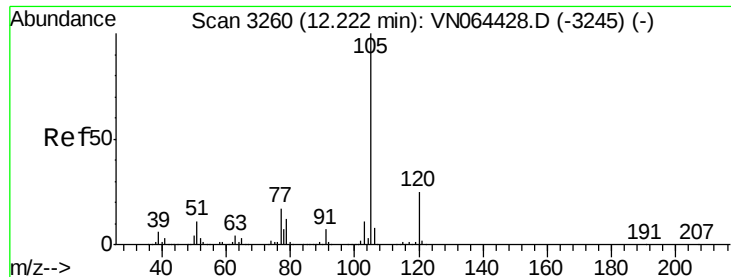
115 64.3 32.0 96.0

150 162.8 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.768 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

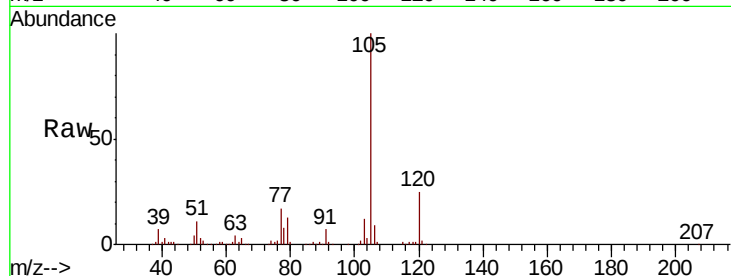
VN1104MBS01

Tot Ion:105 Resp: 313490

Ion Ratio Lower Upper

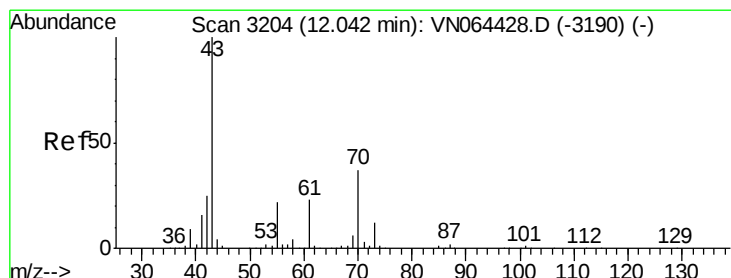
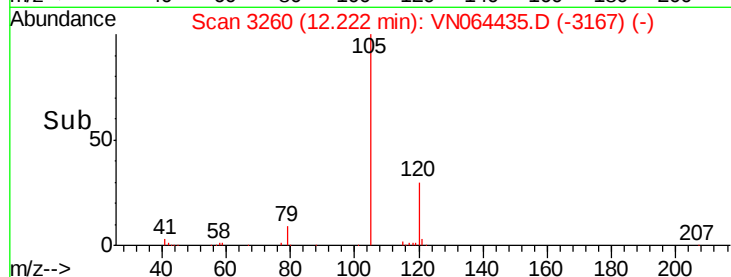
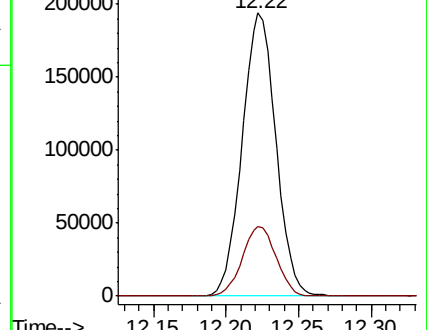
105 100

120 24.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.919 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion: 43 Resp: 146497

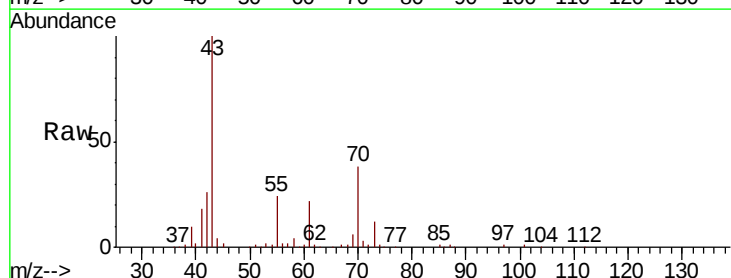
Ion Ratio Lower Upper

43 100

70 36.3 29.6 44.4

55 23.0 18.4 27.6

61 21.8 17.8 26.6

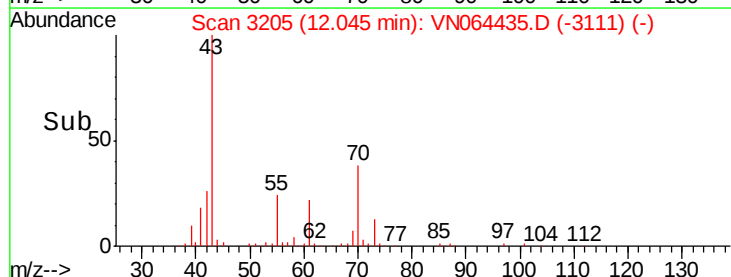
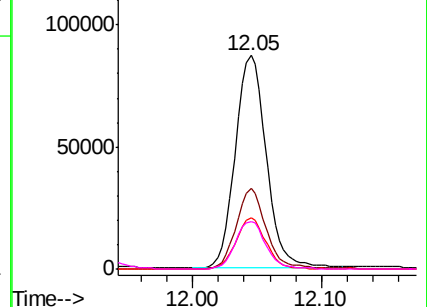


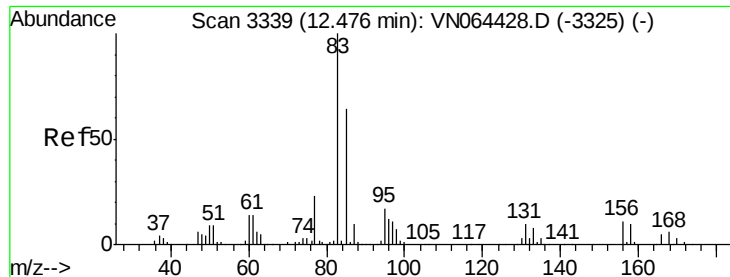
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.196 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

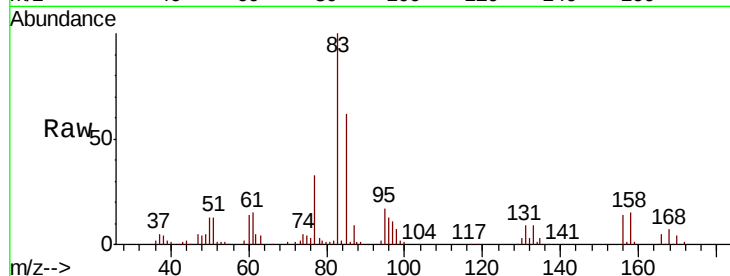
Tot Ion: 83 Resp: 104025

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 62.1 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN064435.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN064435.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN064435.D (-3246) (-)

12.48

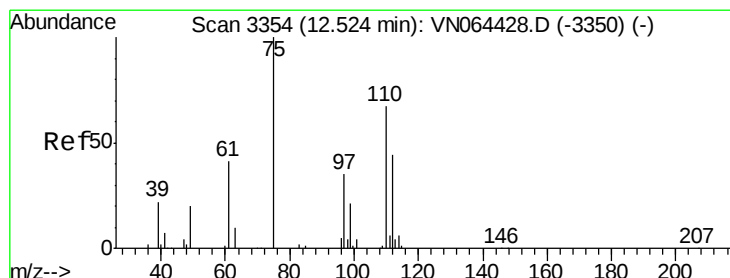
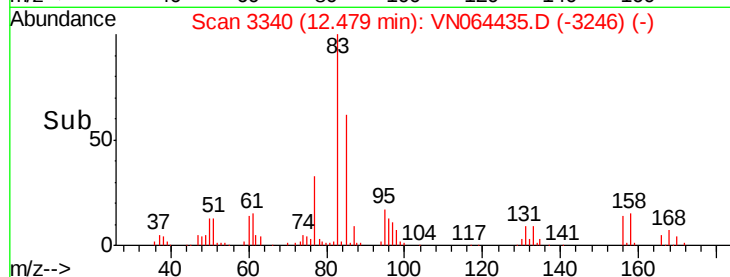
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 26.502 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064435.D

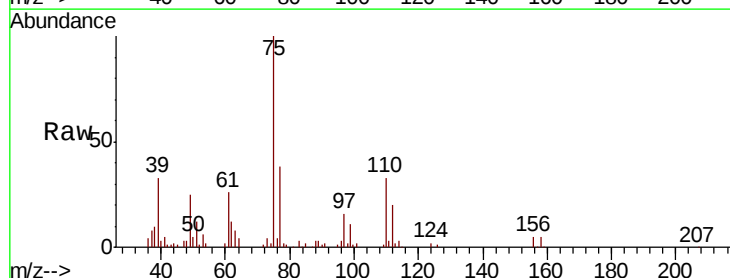
Acq: 4 Nov 2020 14:47

Tgt Ion: 75 Resp: 142532

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064435.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN064435.D (-3261) (-)

12.53

100000

80000

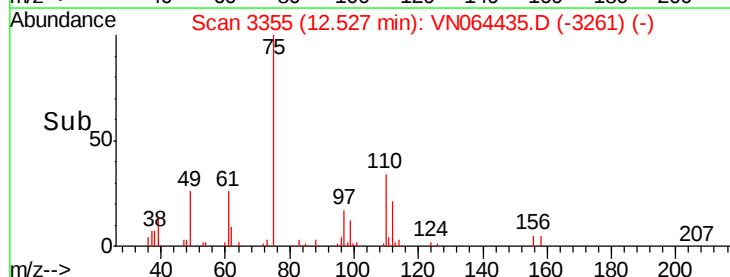
60000

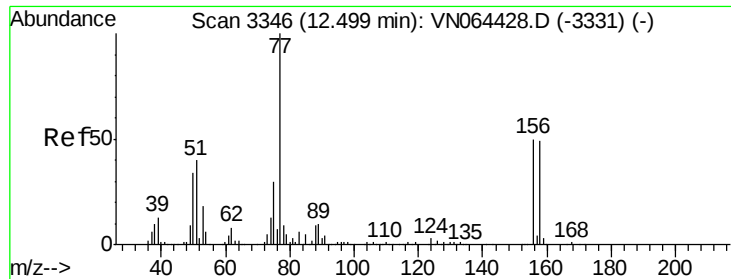
40000

20000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 17.577 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

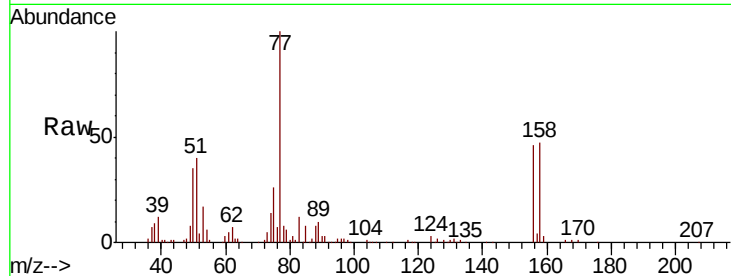
Tot Ion:156 Resp: 75710

Ion Ratio Lower Upper

156 100

77 247.9 119.0 357.0

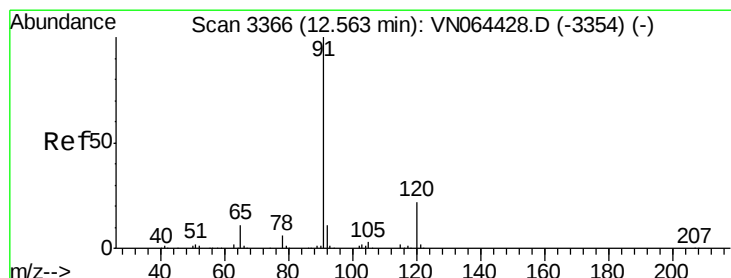
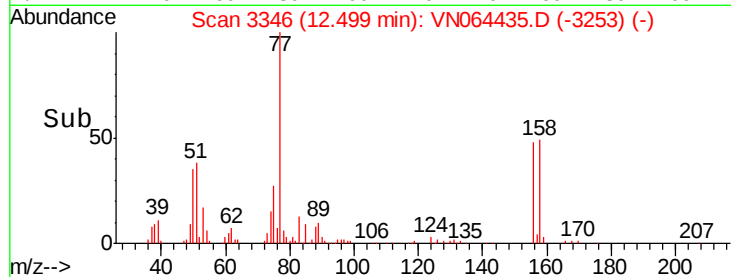
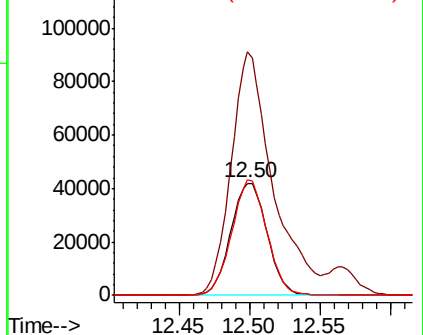
158 99.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.011 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064435.D

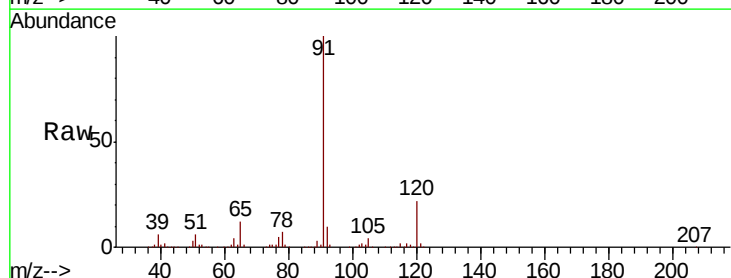
Acq: 4 Nov 2020 14:47

Tgt Ion: 91 Resp: 362286

Ion Ratio Lower Upper

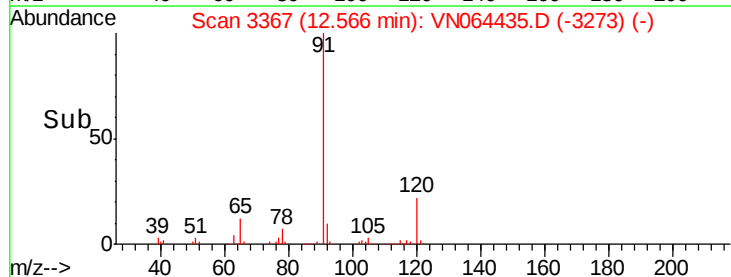
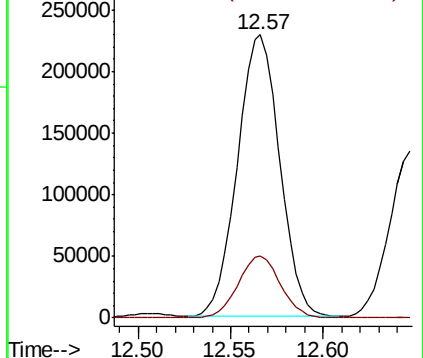
91 100

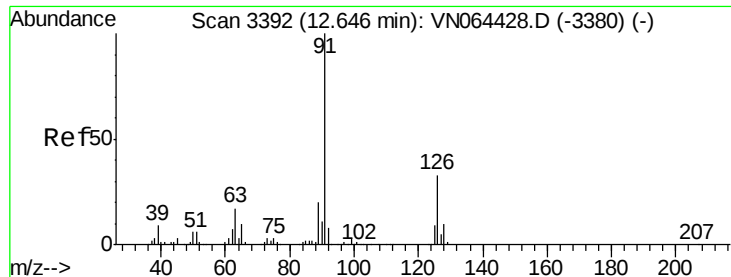
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

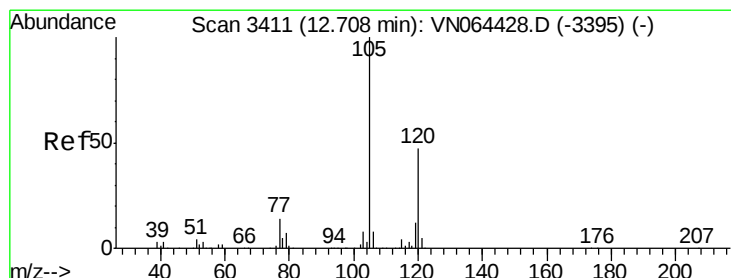
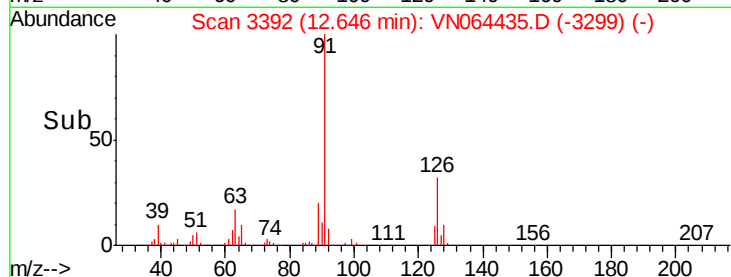
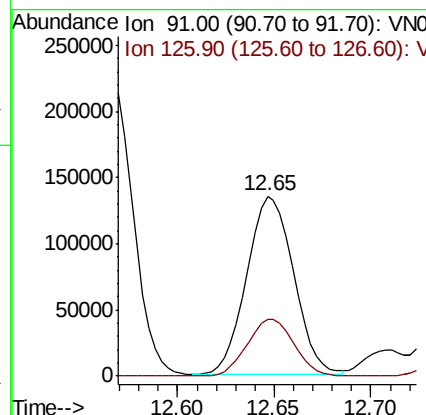
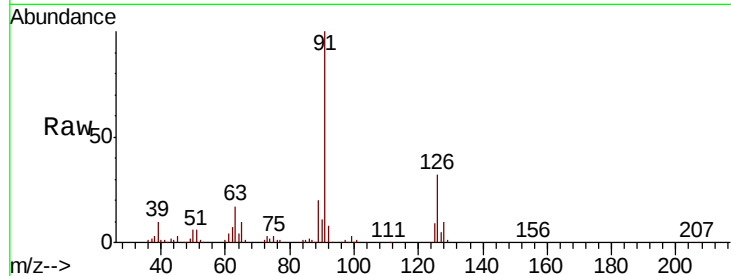




#79
 2-Chlorotoluene
 Concen: 17.976 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

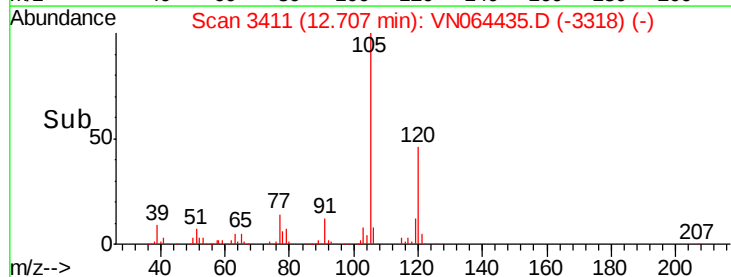
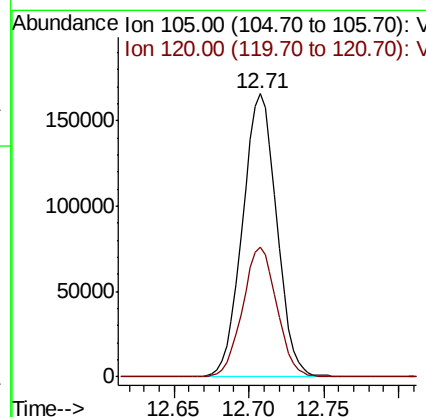
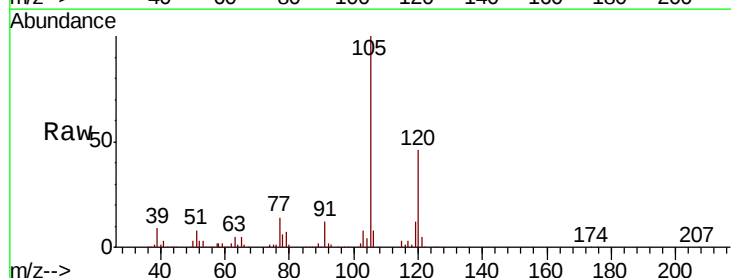
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

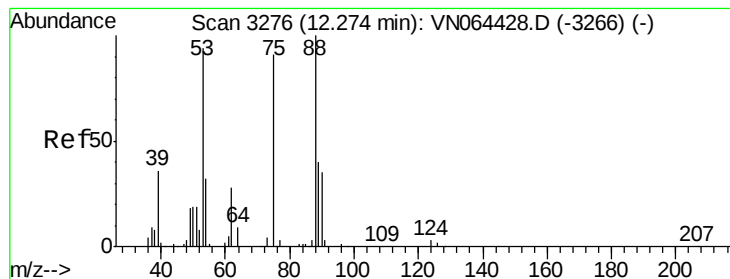
Tot Ion: 91 Resp: 229326
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 18.056 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion: 105 Resp: 262808
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.985 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

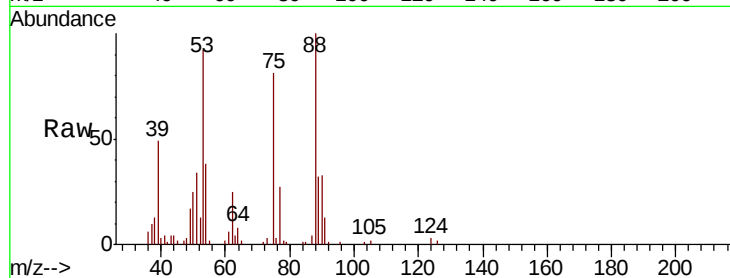
Tot Ion: 75 Resp: 32717

Ion Ratio Lower Upper

75 100

53 116.0 84.0 126.0

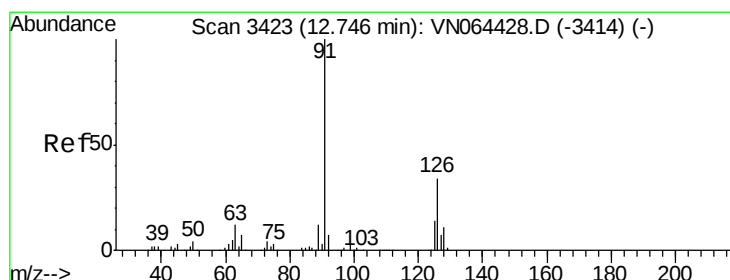
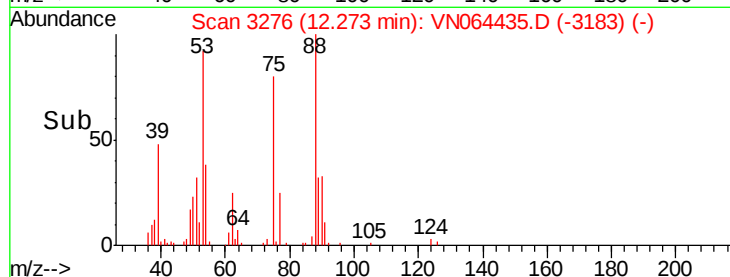
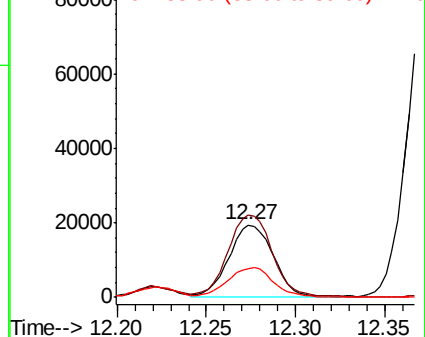
89 43.8 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.153 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064435.D

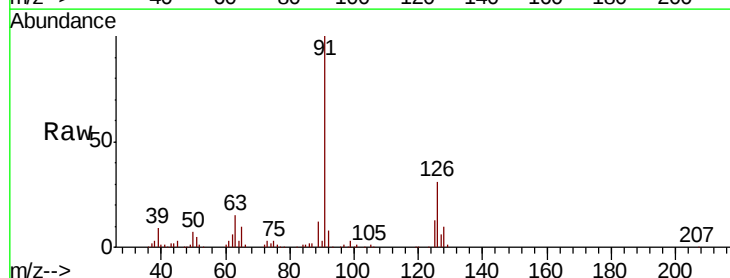
Acq: 4 Nov 2020 14:47

Tgt Ion: 91 Resp: 242536

Ion Ratio Lower Upper

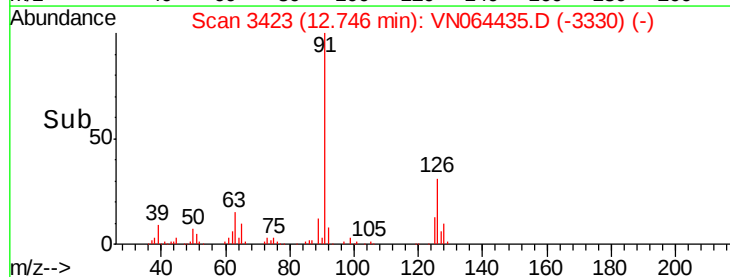
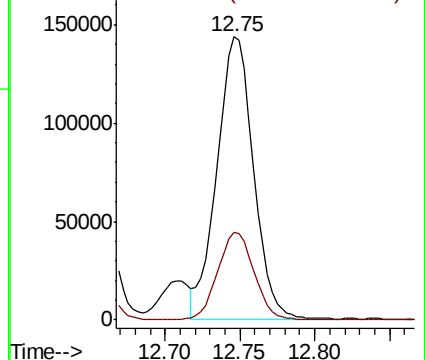
91 100

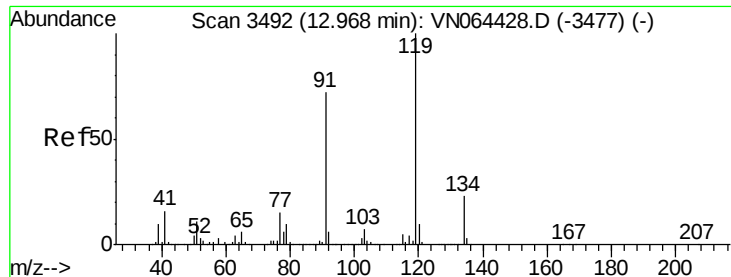
126 31.0 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

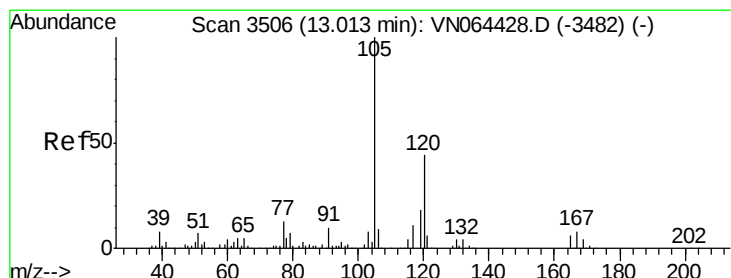
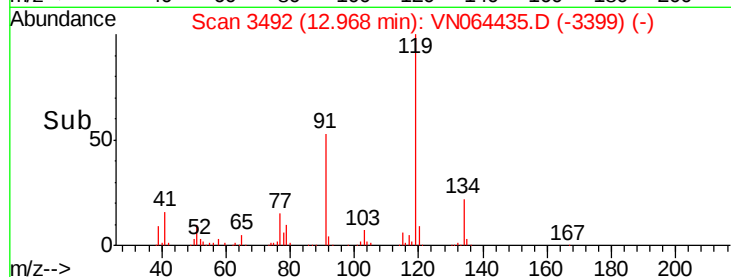
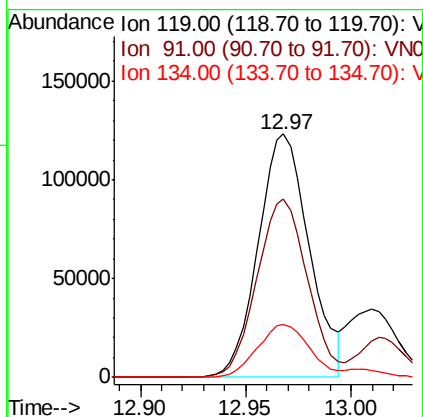
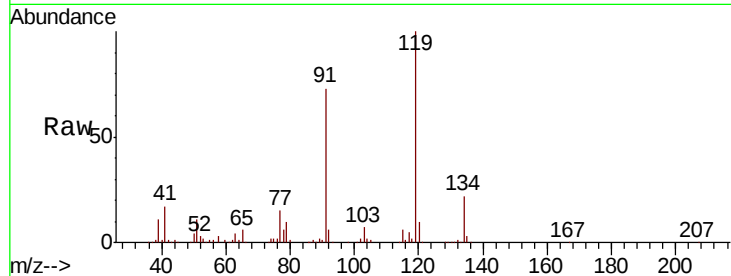




#83
tert-Butylbenzene
Concen: 18.219 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

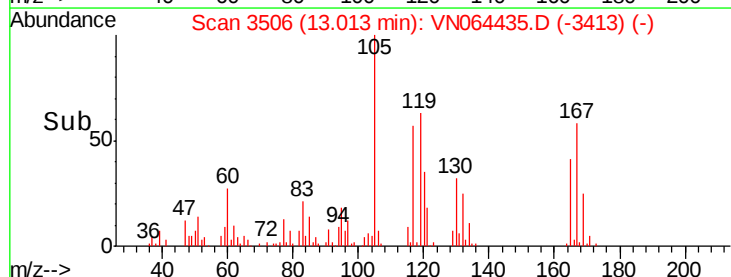
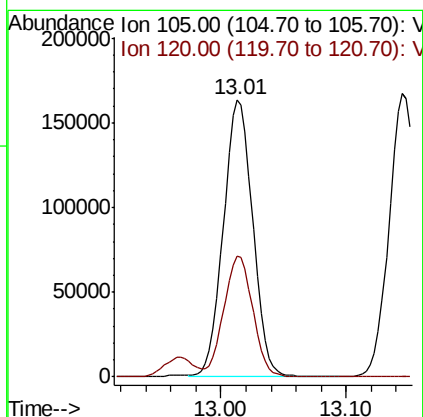
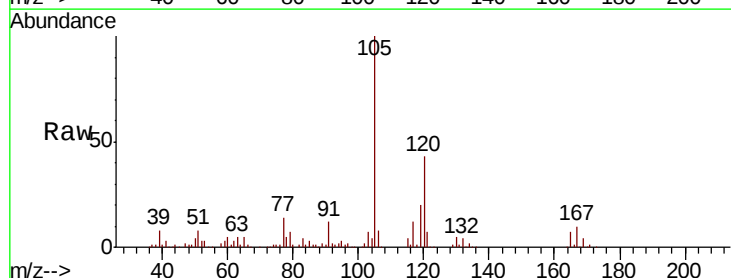
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

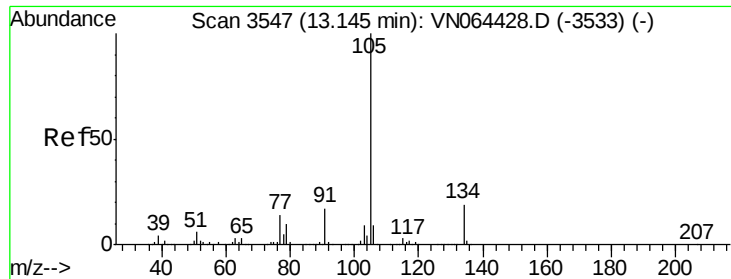
Tot Ion:119 Resp: 207107
Ion Ratio Lower Upper
119 100
91 72.5 36.1 108.3
134 22.6 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 18.189 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion:105 Resp: 266133
Ion Ratio Lower Upper
105 100
120 43.5 21.9 65.7

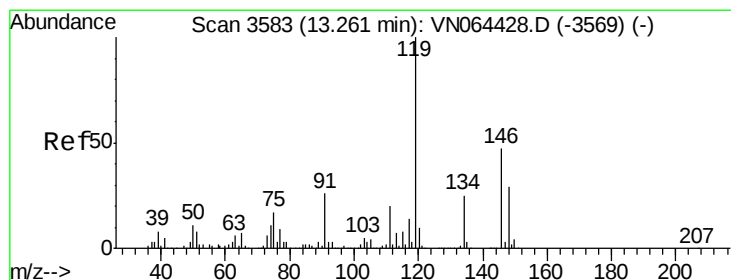
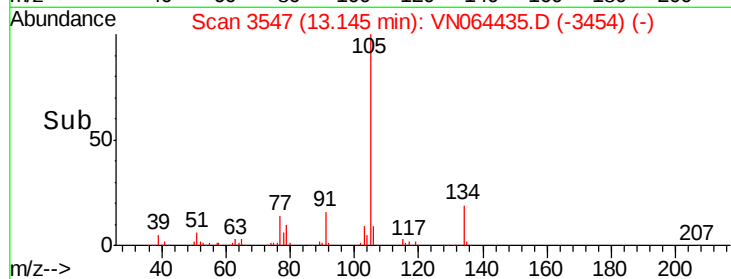
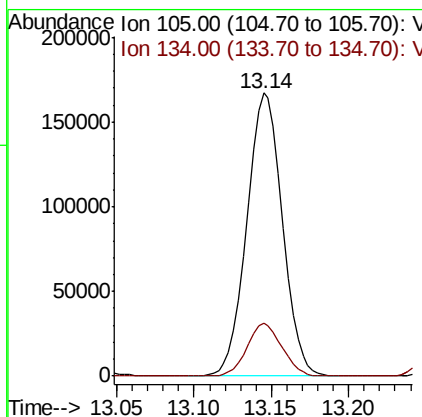
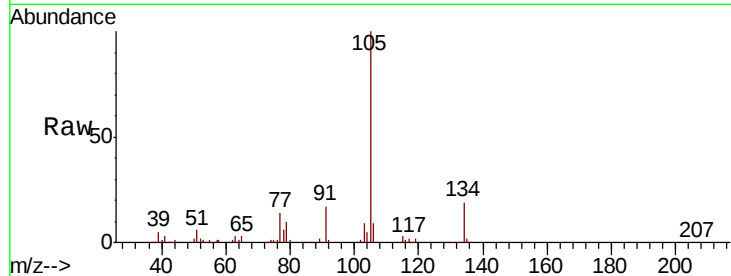




#85
 sec-Butylbenzene
 Concen: 18.505 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

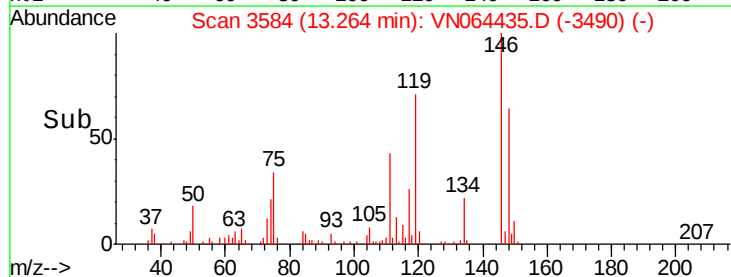
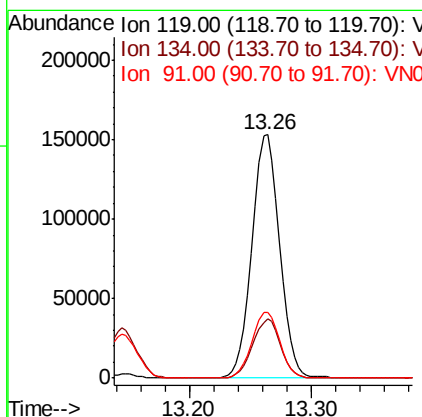
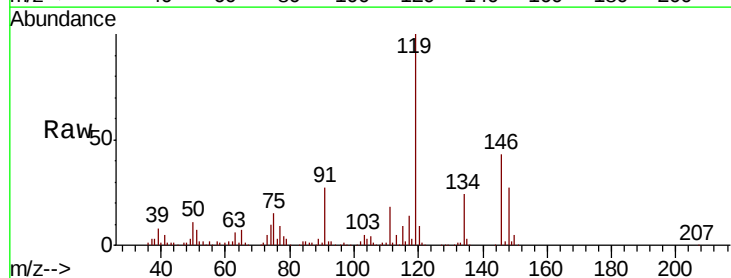
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

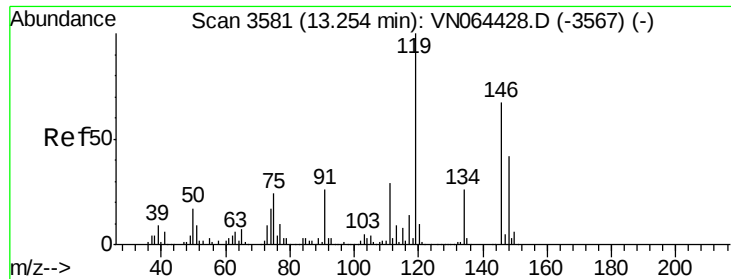
Tot Ion:105 Resp: 266407
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 18.397 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion:119 Resp: 238235
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.6 37.6
 91 26.9 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 18.225 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampled :

VN1104MBS01

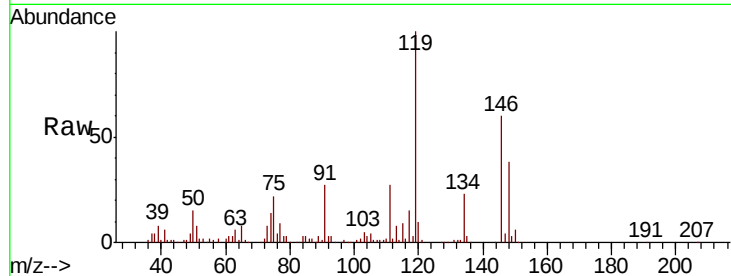
Tot Ion:146 Resp: 135701

Ion Ratio Lower Upper

146 100

111 44.8 22.1 66.1

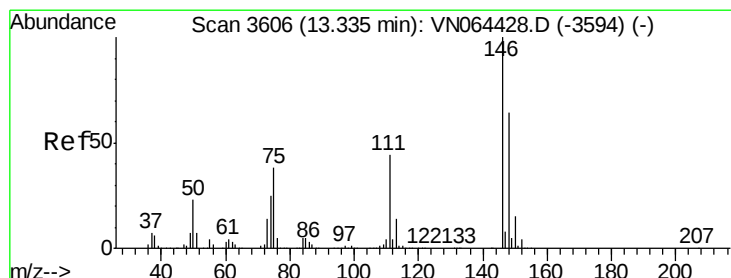
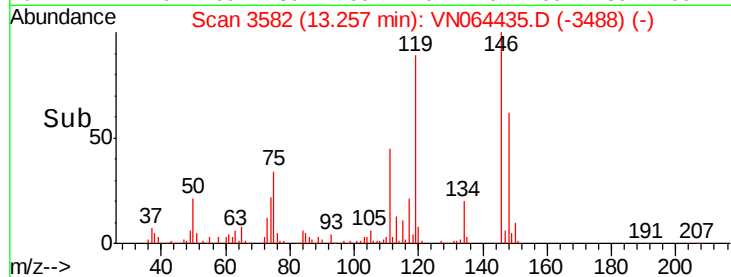
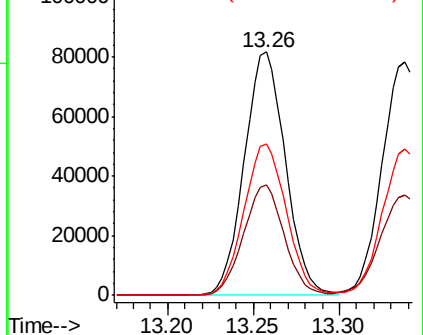
148 64.1 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.585 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

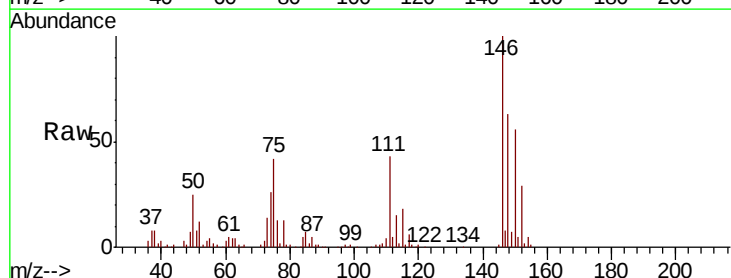
Tgt Ion:146 Resp: 135313

Ion Ratio Lower Upper

146 100

111 44.3 21.8 65.3

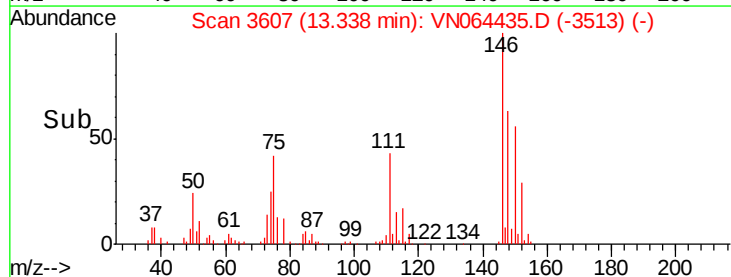
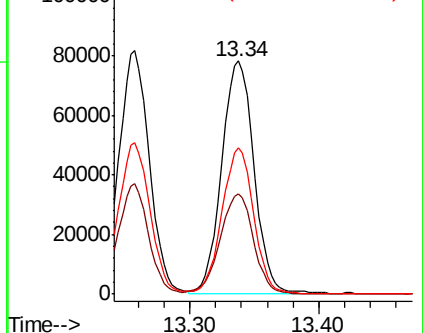
148 61.4 32.4 97.2

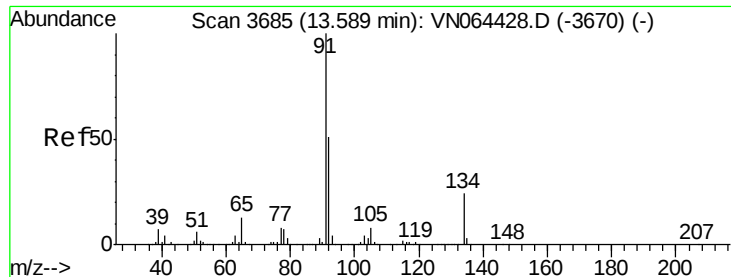


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

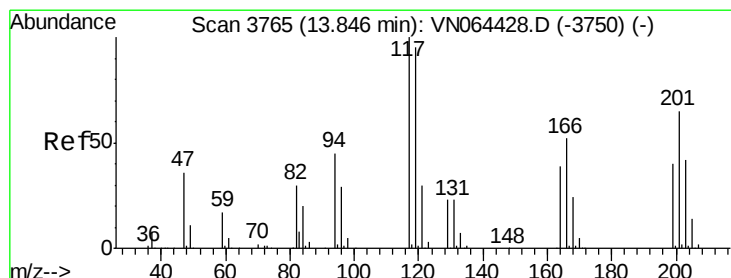
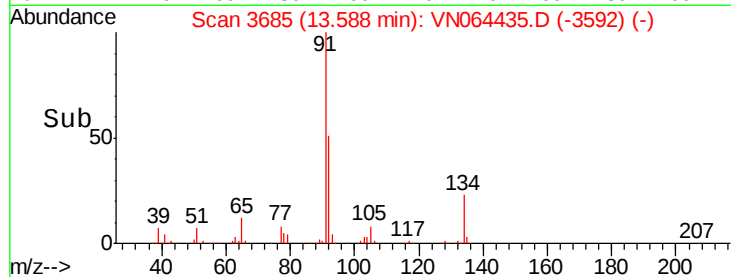
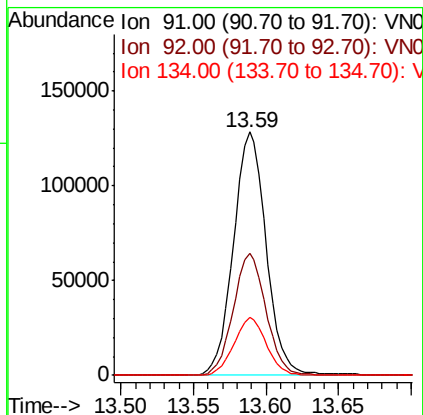
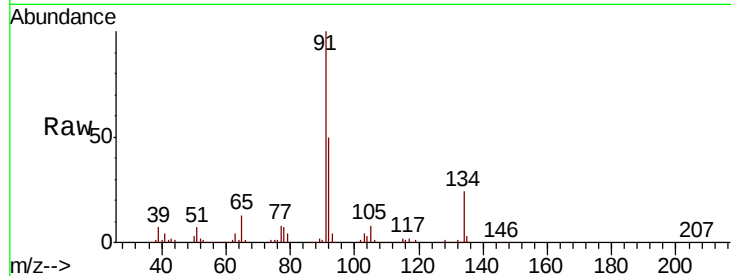




#89
n-Butylbenzene
Concen: 18.046 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

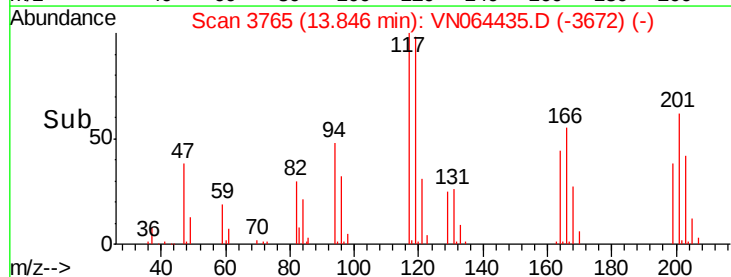
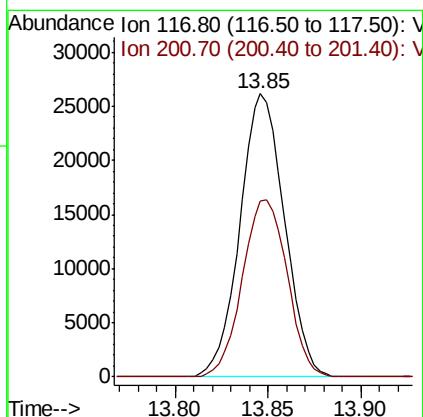
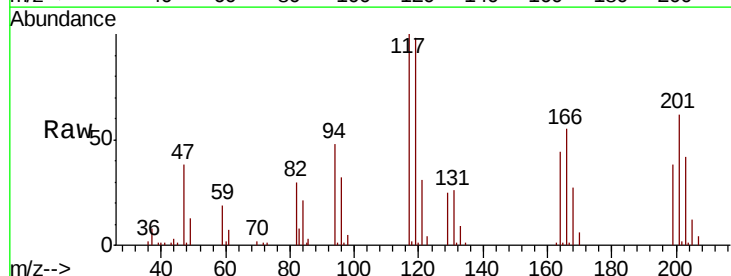
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

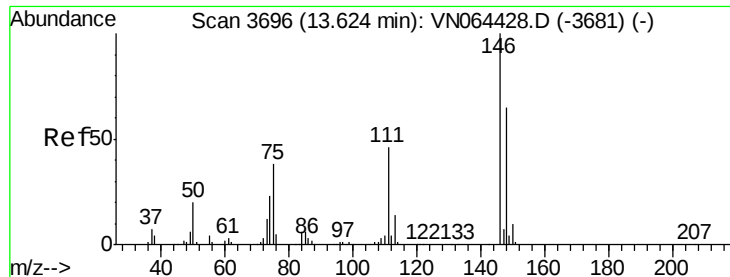
Tot Ion: 91 Resp: 200925
Ion Ratio Lower Upper
91 100
92 50.2 25.3 75.9
134 23.4 11.8 35.4



#90
Hexachloroethane
Concen: 17.415 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 117 Resp: 43504
Ion Ratio Lower Upper
117 100
201 62.9 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 18.596 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampled :

VN1104MBS01

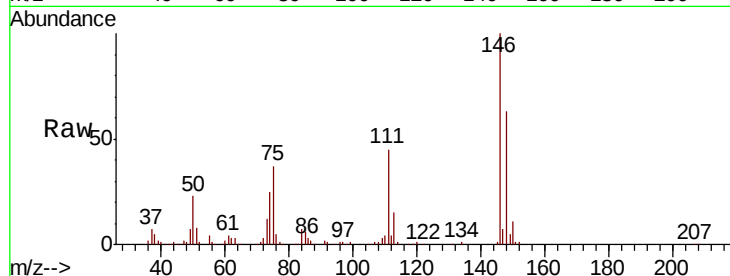
Tot Ion:146 Resp: 133190

Ion Ratio Lower Upper

146 100

111 45.2 22.9 68.7

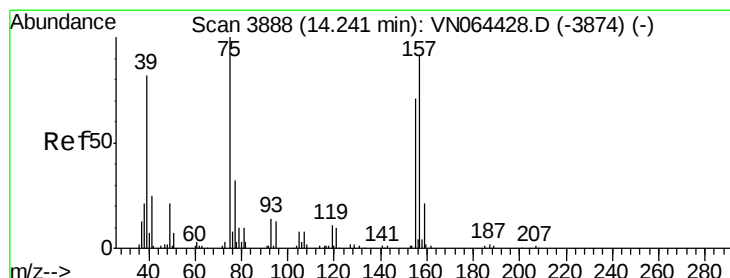
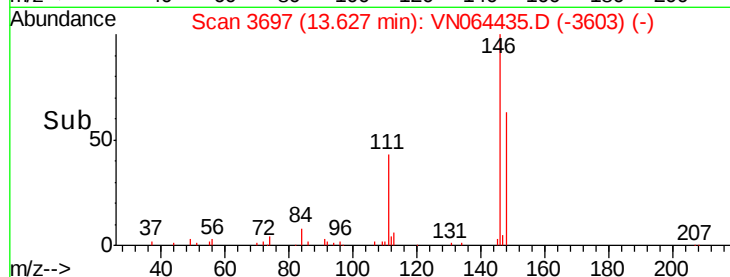
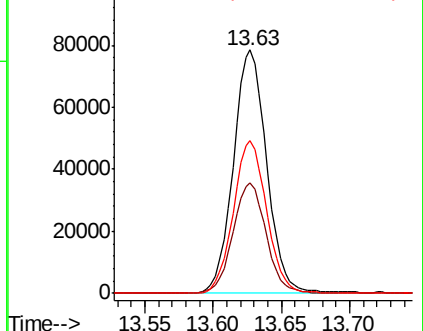
148 62.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.733 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

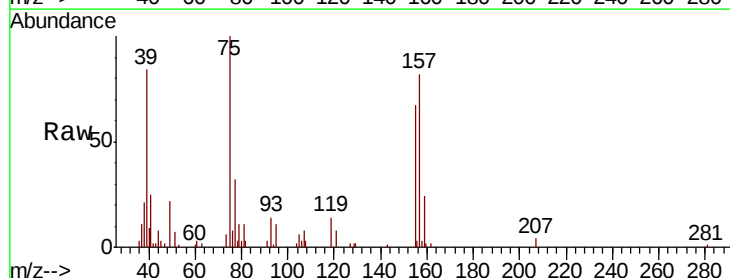
Tgt Ion: 75 Resp: 21290

Ion Ratio Lower Upper

75 100

155 66.8 34.6 103.9

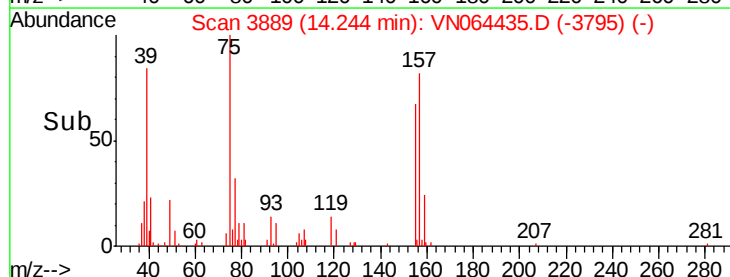
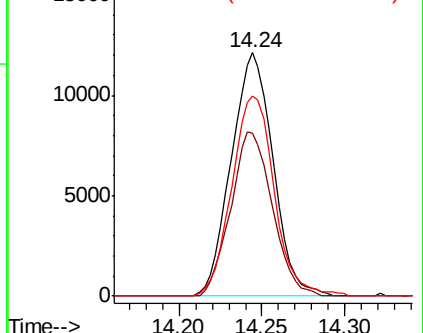
157 83.6 43.0 128.8

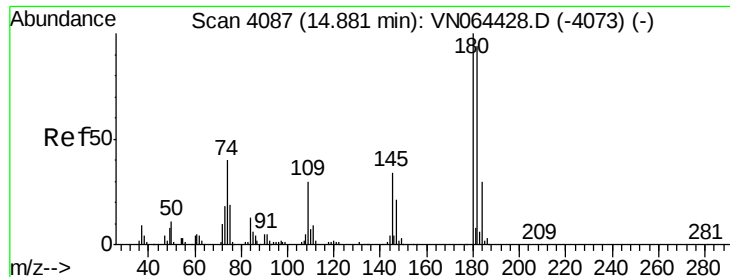


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

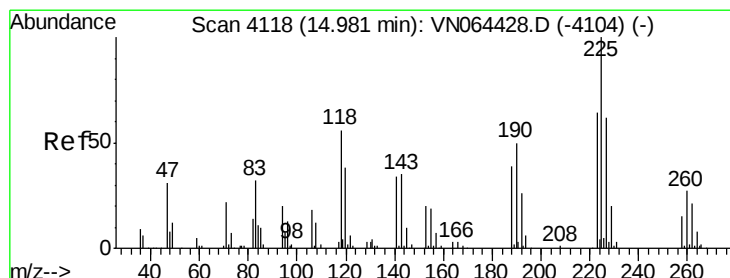
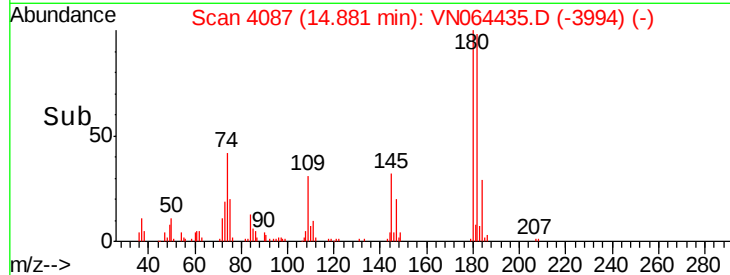
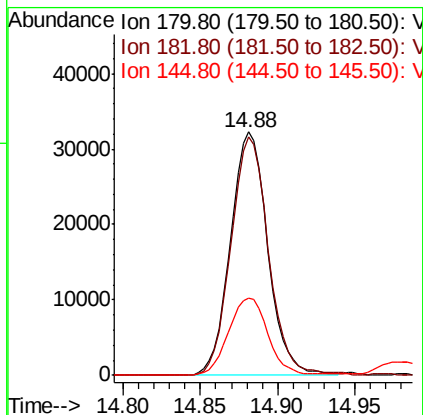
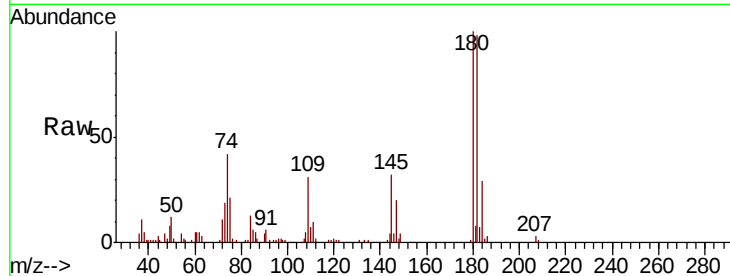




#93
 1,2,4-Trichlorobenzene
 Concen: 17.007 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

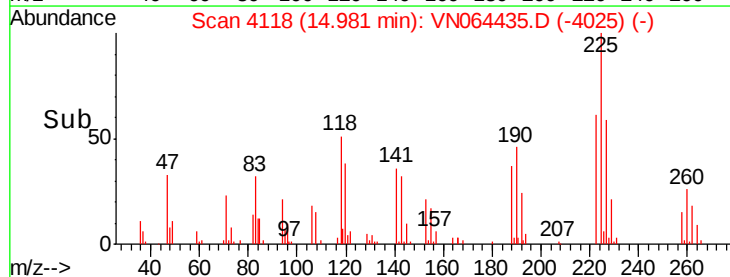
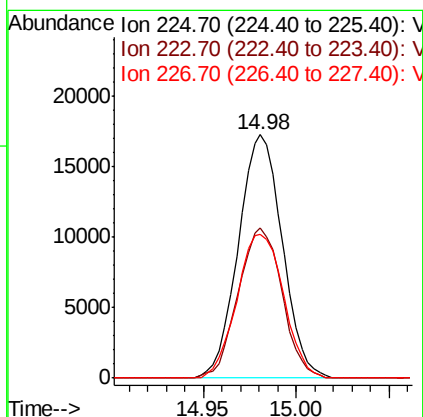
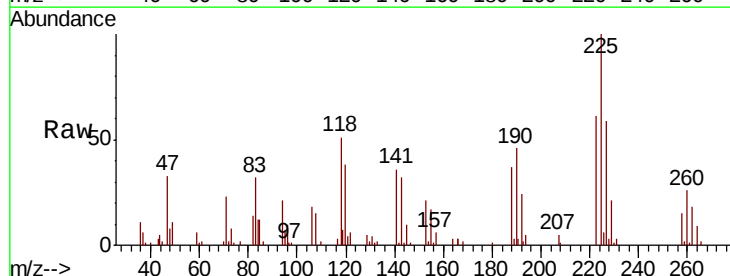
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

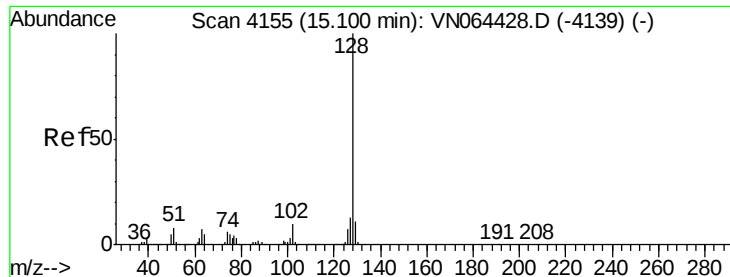
Tot Ion:180 Resp: 53964
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.3 142.0
 145 33.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 19.534 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion:225 Resp: 28485
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.8 95.4
 227 62.7 31.8 95.4





#95

Naphthalene

Concen: 17.221 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampled :

VN1104MBS01

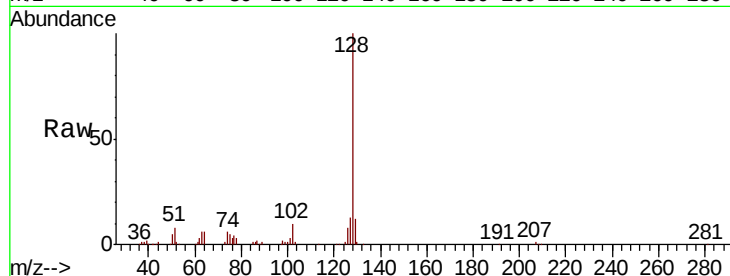
Tot Ion:128 Resp: 178475

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

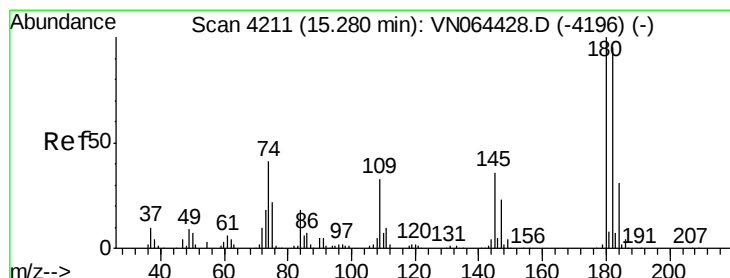
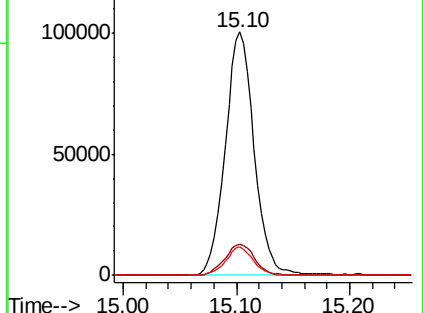
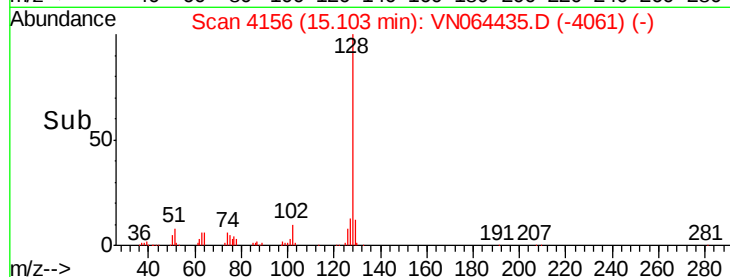
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.707 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

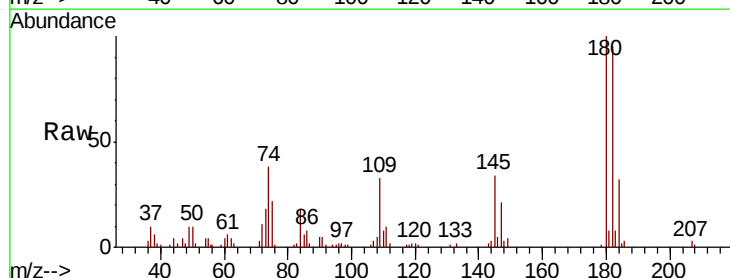
Tgt Ion:180 Resp: 54478

Ion Ratio Lower Upper

180 100

182 92.2 47.7 143.1

145 35.2 18.3 54.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

