

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
 Data File : VN064483.D
 Acq On : 6 Nov 2020 15:14
 Operator : JC/MD
 Sample : VN1106WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

Quant Time: Nov 07 03:46:34 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	303020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	523831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	502677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	255859	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.55	113	171048	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.06	98	647887	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	12.37	95	241087	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	68208	17.292	ug/l	93
3) Chloromethane	2.04	50	82019	17.119	ug/l	100
4) Vinyl Chloride	2.17	62	87579	17.800	ug/l	96
5) Bromomethane	2.54	94	56952	18.119	ug/l	98
6) Chloroethane	2.68	64	54947	17.443	ug/l	96
7) Trichlorofluoromethane	2.99	101	131909	18.207	ug/l	93
8) Diethyl Ether	3.37	74	46505	18.177	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61728	17.942	ug/l	99
10) Methyl Iodide	3.91	142	67052	16.773	ug/l	99
11) Tert butyl alcohol	4.74	59	52134	89.567	ug/l	97
12) 1,1-Dichloroethene	3.69	96	55541	17.138	ug/l	99
13) Acrolein	3.57	56	28142	77.945	ug/l	96
14) Allyl chloride	4.27	41	105002	16.563	ug/l	97
15) Acrylonitrile	4.93	53	153478	94.707	ug/l	100
16) Acetone	3.78	43	182613	90.828	ug/l	100
17) Carbon Disulfide	4.01	76	164518	16.976	ug/l	96
18) Methyl Acetate	4.28	43	71833	18.173	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	203259	17.427	ug/l	100
20) Methylene Chloride	4.50	84	72873	18.268	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	63279	17.197	ug/l	96
22) Diisopropyl ether	5.90	45	239586	17.804	ug/l	97
23) Vinyl Acetate	5.85	43	961111	87.794	ug/l	99
24) 1,1-Dichloroethane	5.79	63	132659	17.940	ug/l	98
25) 2-Butanone	6.79	43	229057	89.416	ug/l	98
26) 2,2-Dichloropropane	6.78	77	114834	17.155	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	73331	17.199	ug/l	98
28) Bromochloromethane	7.15	49	64708	17.802	ug/l	94
29) Tetrahydrofuran	7.17	42	139774	88.933	ug/l	99
30) Chloroform	7.33	83	138994	17.882	ug/l	92
31) Cyclohexane	7.61	56	103317	16.103	ug/l #	91
32) 1,1,1-Trichloroethane	7.52	97	121615	17.640	ug/l	99
36) 1,1-Dichloropropene	7.75	75	96657	17.466	ug/l	97
37) Ethyl Acetate	6.88	43	94766	17.378	ug/l	99
38) Carbon Tetrachloride	7.73	117	106233	17.962	ug/l	98

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Quant Time: Nov 07 03:46:34 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)
39) Methylcyclohexane	9.05	83	85903	17.316	ug/l	97
40) Benzene	8.00	78	290709	17.877	ug/l	100
41) Methacrylonitrile	7.12	41	45908	18.712	ug/l	90
42) 1,2-Dichloroethane	8.08	62	124725	19.006	ug/l	99
43) Isopropyl Acetate	8.13	43	157361	17.547	ug/l	99
44) Trichloroethene	8.80	130	74053	18.050	ug/l	98
45) 1,2-Dichloropropane	9.08	63	81193	18.713	ug/l	97
46) Dibromomethane	9.17	93	54850	19.203	ug/l	97
47) Bromodichloromethane	9.37	83	112634	18.340	ug/l	98
48) Methyl methacrylate	9.17	41	81177	17.938	ug/l	99
49) 1,4-Dioxane	9.17	88	22017	369.379	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	482426	92.243	ug/l	99
52) Toluene	10.12	92	176571	17.803	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	117065	17.979	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	126754	18.208	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	72643	18.780	ug/l	98
56) Ethyl methacrylate	10.40	69	96009	16.372	ug/l	97
57) 1,3-Dichloropropane	10.68	76	124043	18.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	265372	102.183	ug/l	98
59) 2-Hexanone	10.72	43	349848	84.739	ug/l	99
60) Dibromochloromethane	10.87	129	80328	18.549	ug/l	98
61) 1,2-Dibromoethane	10.97	107	73858	18.825	ug/l	99
64) Tetrachloroethene	10.60	164	69000	17.820	ug/l	97
65) Chlorobenzene	11.41	112	190683	17.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	74788	18.192	ug/l	98
67) Ethyl Benzene	11.48	91	334373	17.059	ug/l	97
68) m/p-Xylenes	11.59	106	242242	34.077	ug/l	96
69) o-Xylene	11.92	106	115379	16.797	ug/l	98
70) Styrene	11.94	104	198285	17.154	ug/l	98
71) Bromoform	12.10	173	49368	16.860	ug/l #	97
73) Isopropylbenzene	12.22	105	306201	17.318	ug/l	100
74) N-amyl acetate	12.05	43	130666	16.082	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	97473	17.948	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	133712	24.808	ug/l #	100
77) Bromobenzene	12.50	156	75087	17.394	ug/l	99
78) n-propylbenzene	12.57	91	351728	17.449	ug/l	99
79) 2-Chlorotoluene	12.65	91	225099	17.606	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	256473	17.583	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	31803	16.475	ug/l	93
82) 4-Chlorotoluene	12.75	91	236227	17.643	ug/l	99
83) tert-Butylbenzene	12.97	119	200541	17.603	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	257011	17.527	ug/l	100
85) sec-Butylbenzene	13.14	105	260375	18.046	ug/l	99
86) p-Isopropyltoluene	13.26	119	232462	17.912	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	132973	17.820	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	132828	17.225	ug/l	100
89) n-Butylbenzene	13.59	91	196316	17.594	ug/l	98
90) Hexachloroethane	13.85	117	45545	18.193	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	131454	18.314	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19606	18.132	ug/l	97

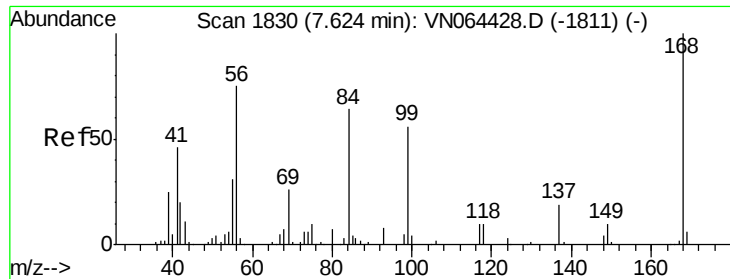
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
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Quant Time: Nov 07 03:46:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51916	16.433	ug/l	99
94) Hexachlorobutadiene	14.98	225	28596	19.567	ug/l	98
95) Naphthalene	15.10	128	161333	15.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	52372	17.099	ug/l	99

(#) = 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: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

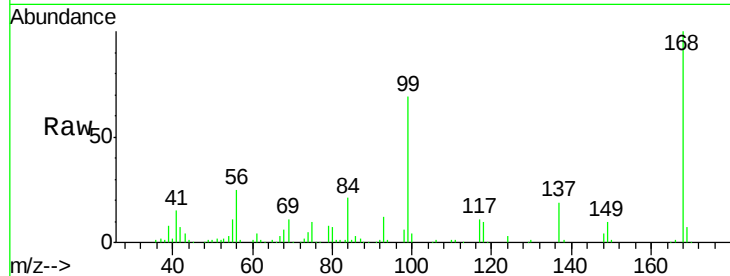
VN1106WBSD01

Tot Ion:168 Resp: 303020

Ion Ratio Lower Upper

168 100

99 68.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

100000

50000

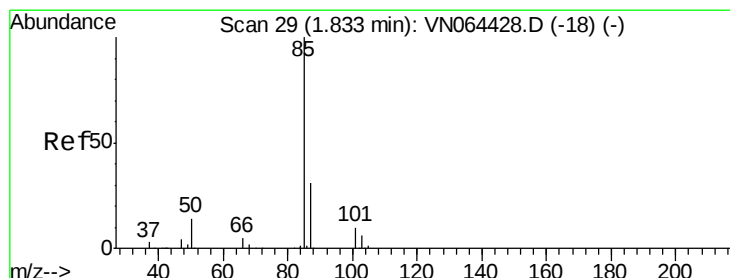
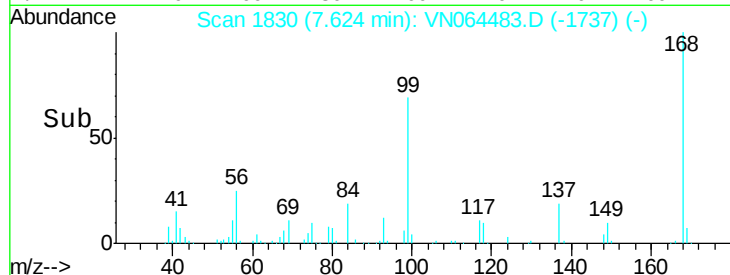
0

Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 17.292 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064483.D

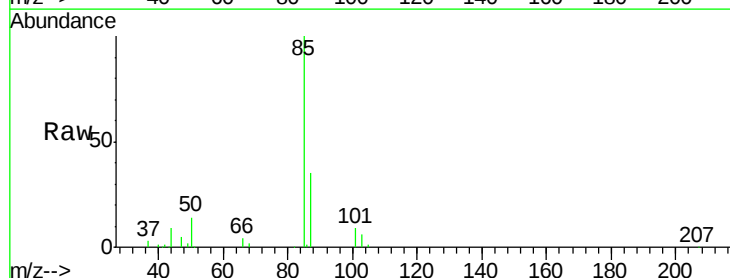
Acq: 6 Nov 2020 15:14

Tgt Ion: 85 Resp: 68208

Ion Ratio Lower Upper

85 100

87 35.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

20000

10000

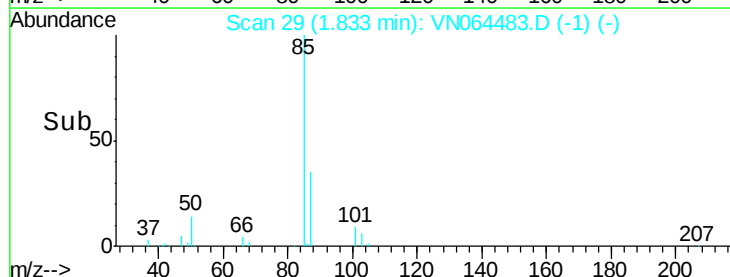
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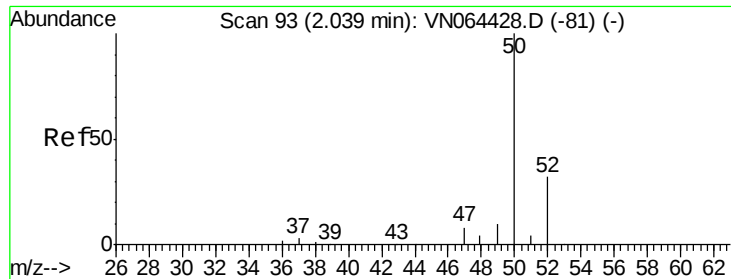
Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 17.119 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

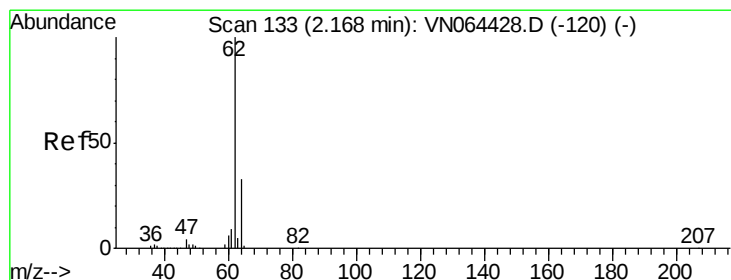
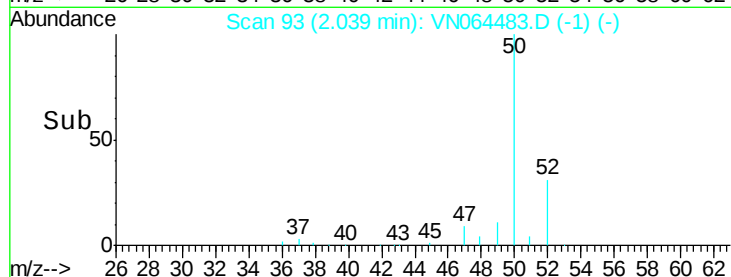
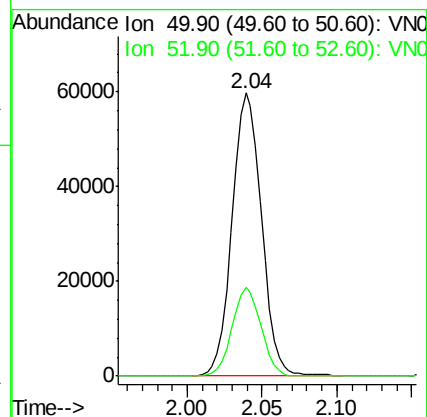
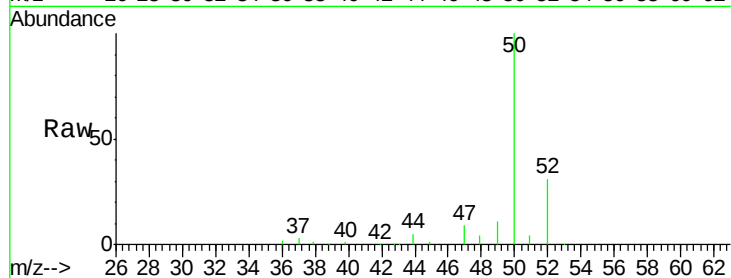
VN1106WBSD01

Tot Ion: 50 Resp: 82019

Ion Ratio Lower Upper

50 100

52 31.4 25.3 37.9



#4

Vinyl Chloride

Concen: 17.800 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064483.D

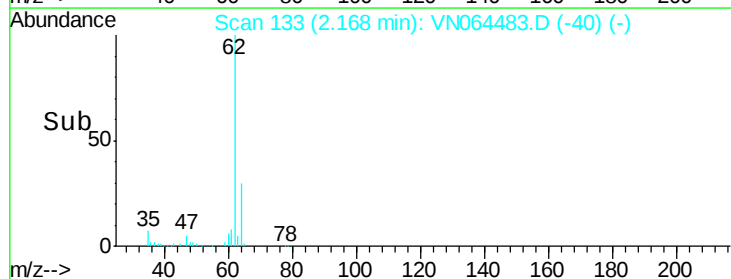
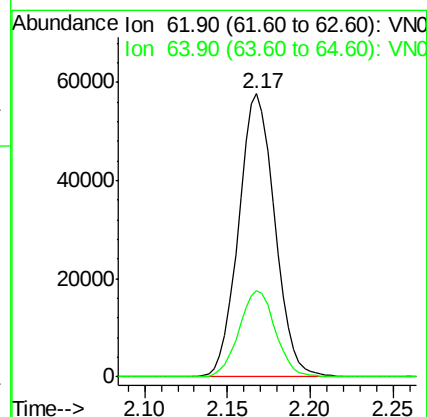
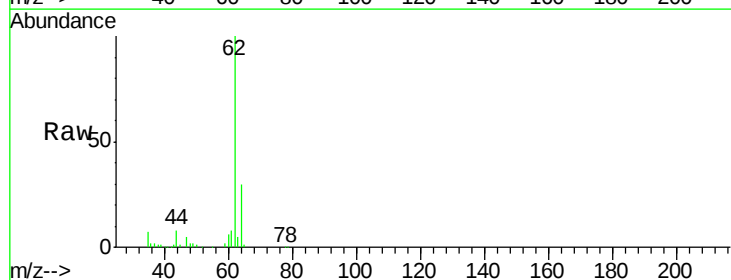
Acq: 6 Nov 2020 15:14

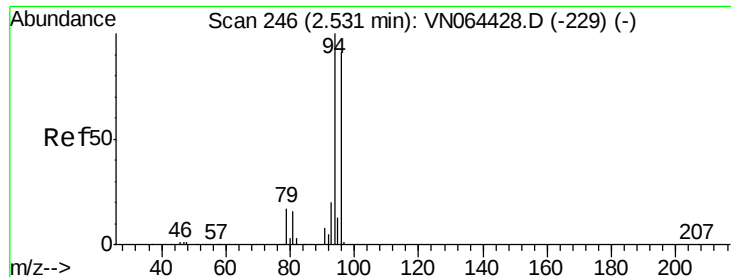
Tgt Ion: 62 Resp: 87579

Ion Ratio Lower Upper

62 100

64 30.5 26.3 39.5





#5

Bromomethane

Concen: 18.119 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

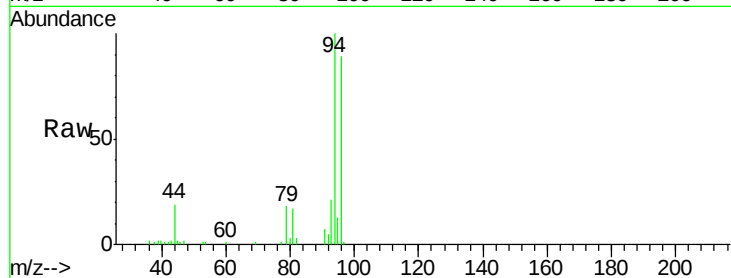
VN1106WBSD01

Tot Ion: 94 Resp: 56952

Ion Ratio Lower Upper

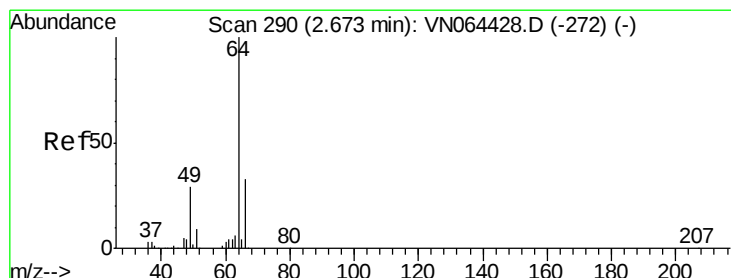
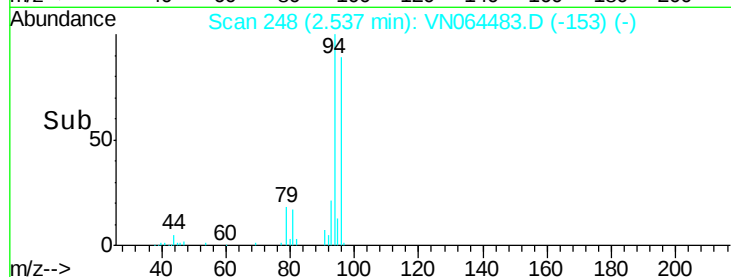
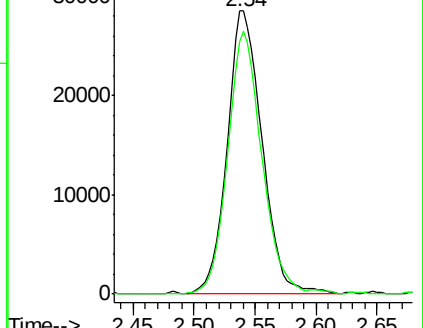
94 100

96 89.4 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN064483.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064483.D (-153) (-)



#6

Chloroethane

Concen: 17.443 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064483.D

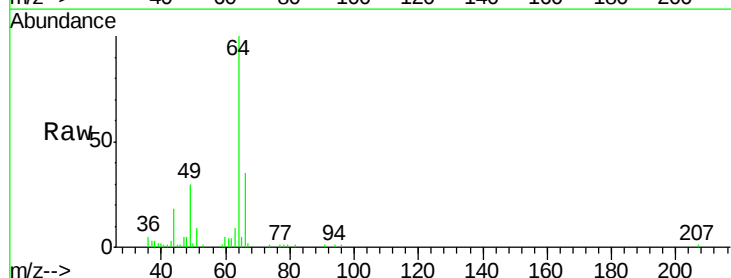
Acq: 6 Nov 2020 15:14

Tgt Ion: 64 Resp: 54947

Ion Ratio Lower Upper

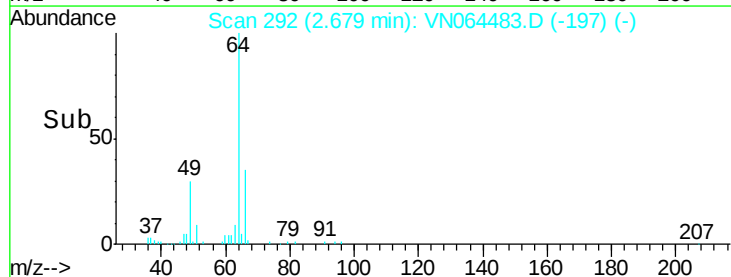
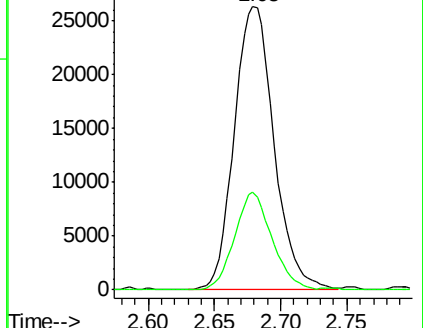
64 100

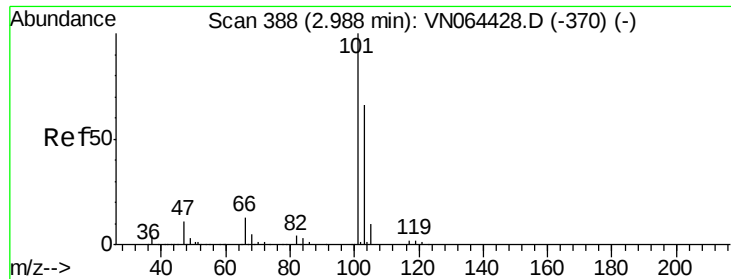
66 34.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN064483.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN064483.D (-197) (-)



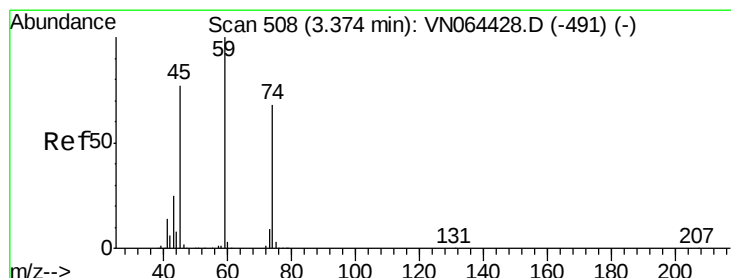
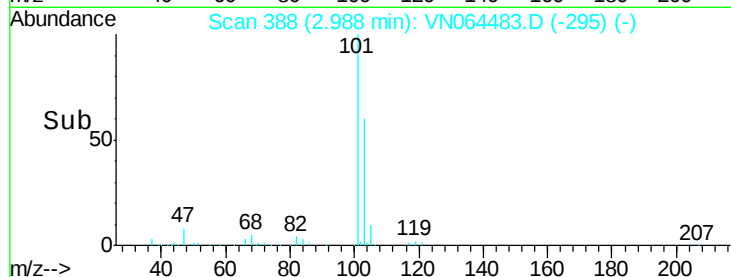
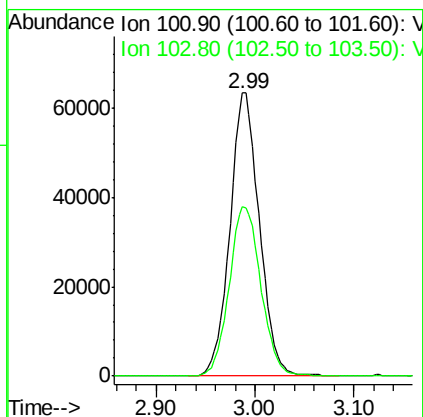
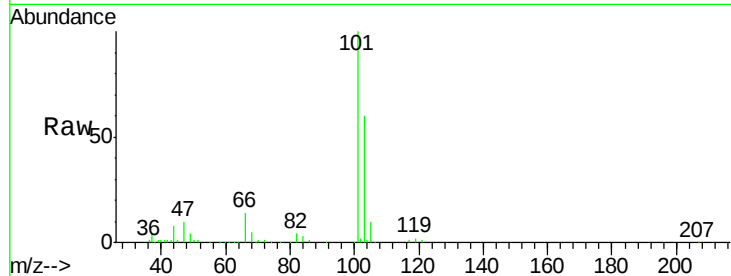


#7

Trichlorofluoromethane
 Concen: 18.207 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

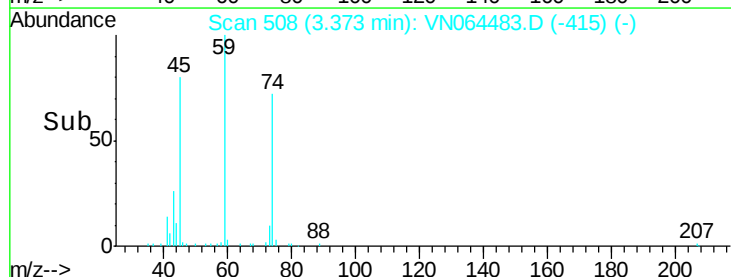
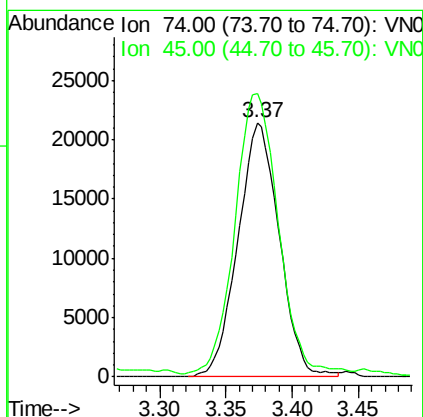
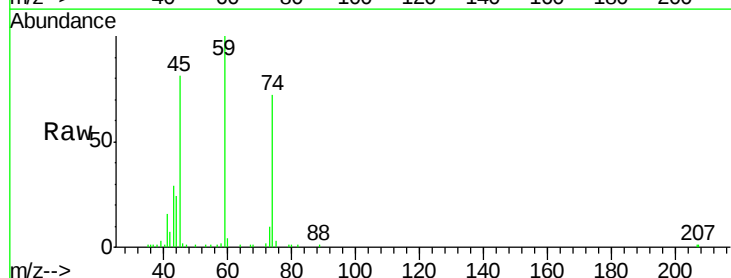
Tot Ion:101 Resp: 131909
 Ion Ratio Lower Upper
 101 100
 103 59.8 52.4 78.6

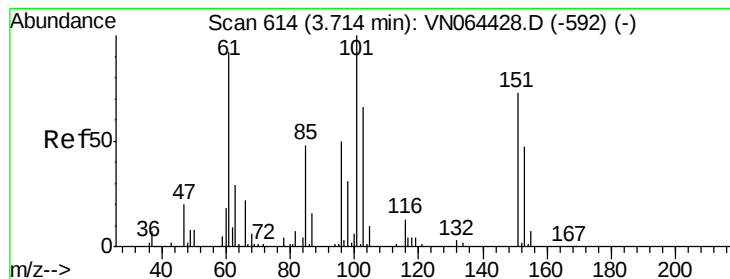


#8

Diethyl Ether
 Concen: 18.177 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion: 74 Resp: 46505
 Ion Ratio Lower Upper
 74 100
 45 114.4 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.942 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

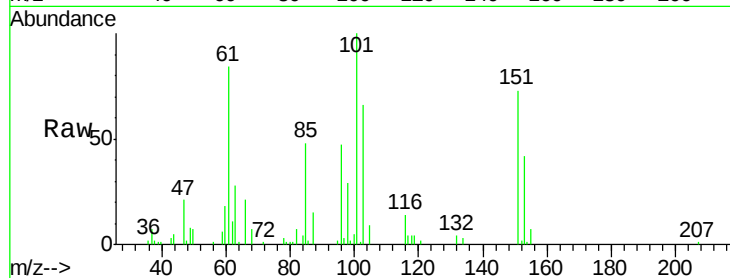
Tot Ion:101 Resp: 61728

Ion Ratio Lower Upper

101 100

85 46.5 38.6 57.8

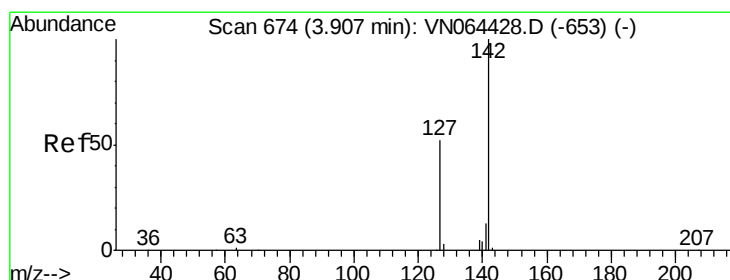
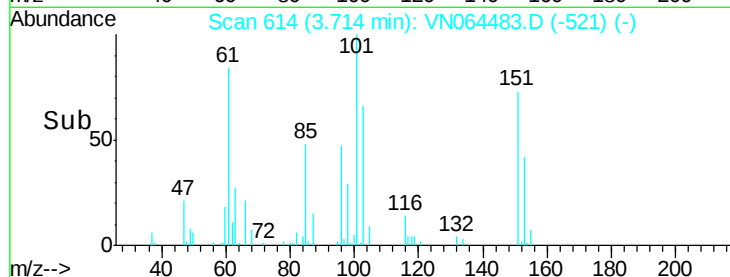
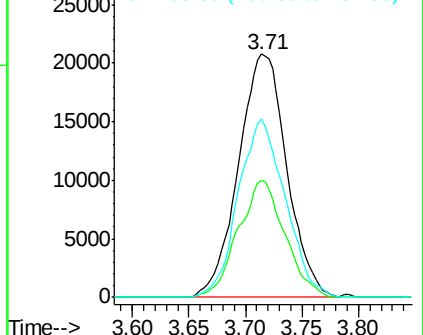
151 71.3 57.5 86.3



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: 16.773 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

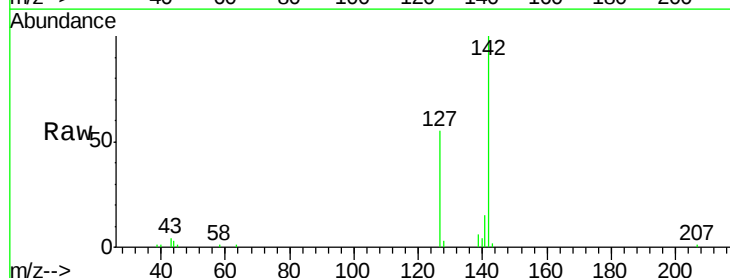
Tgt Ion:142 Resp: 67052

Ion Ratio Lower Upper

142 100

127 52.6 41.8 62.8

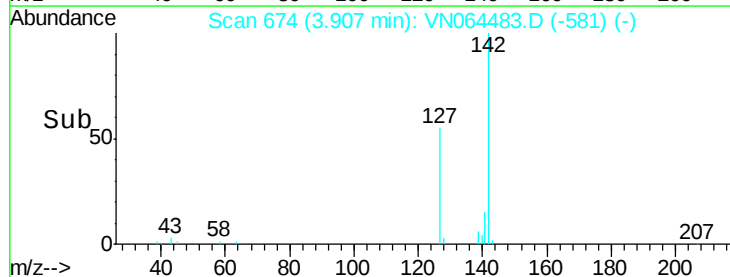
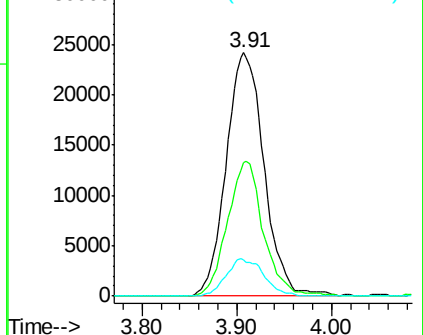
141 15.1 11.4 17.2

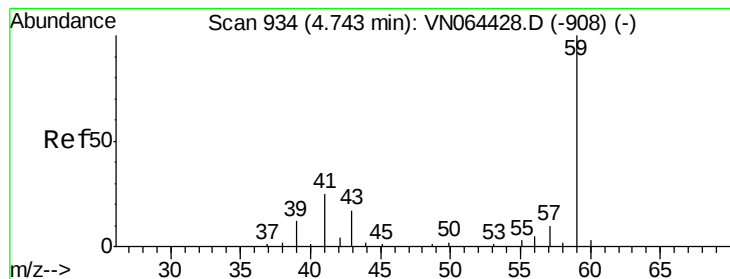


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.567 ug/l

RT: 4.74 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

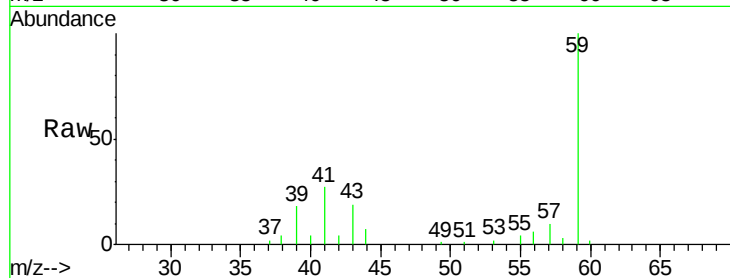
VN1106WBSD01

Tot Ion: 59 Resp: 52134

Ion Ratio Lower Upper

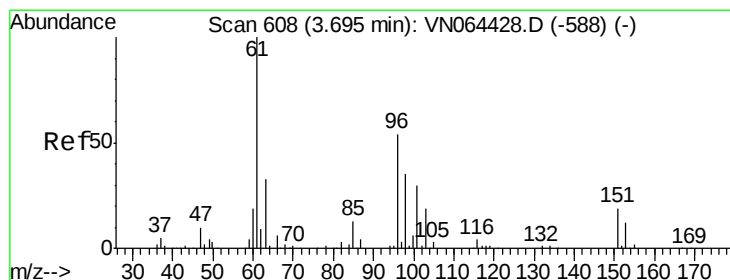
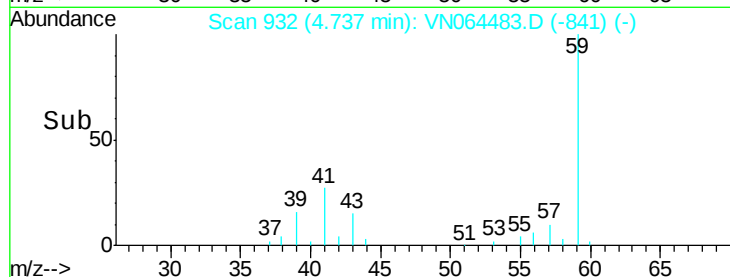
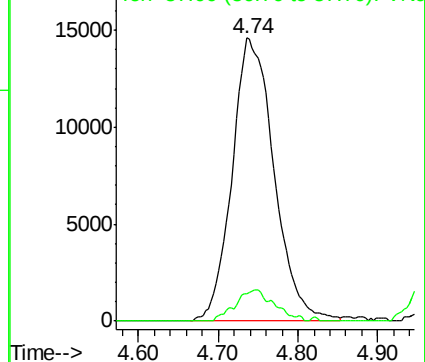
59 100

57 10.0 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.138 ug/l

RT: 3.69 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

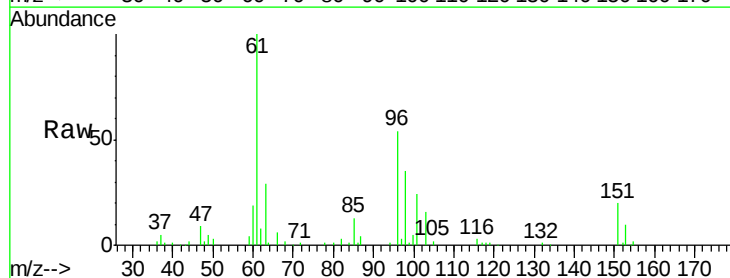
Tgt Ion: 96 Resp: 55541

Ion Ratio Lower Upper

96 100

61 185.6 149.5 224.3

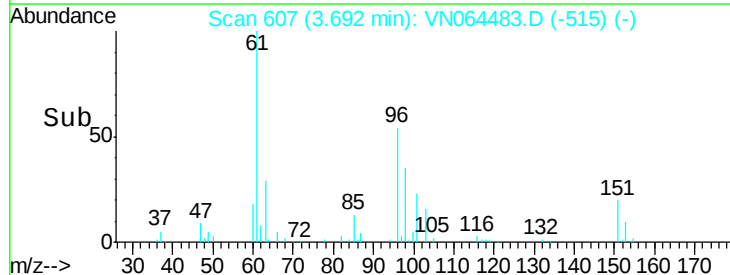
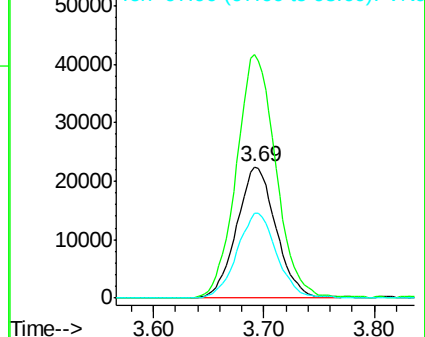
98 64.4 52.4 78.6

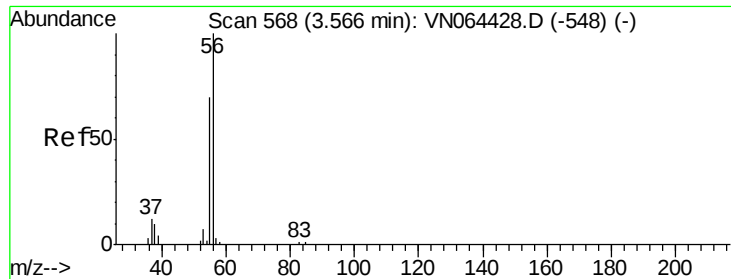


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 77.945 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

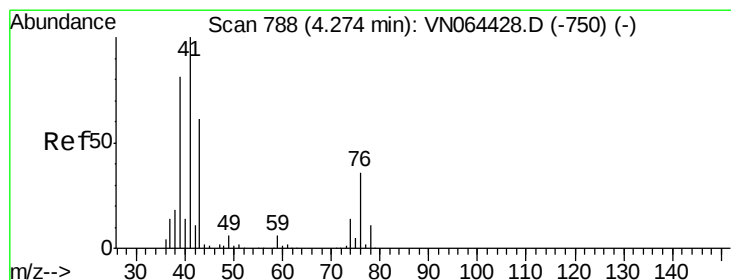
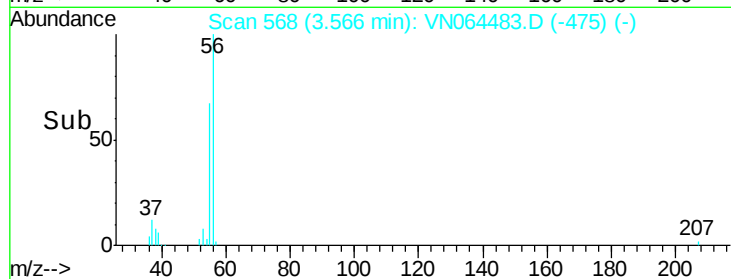
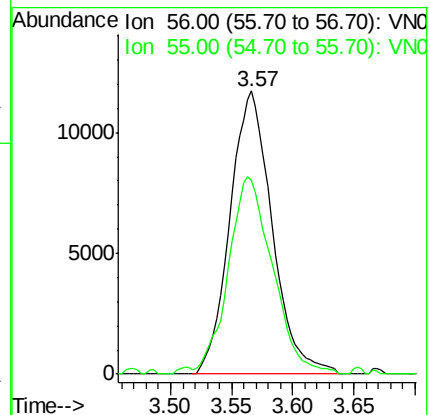
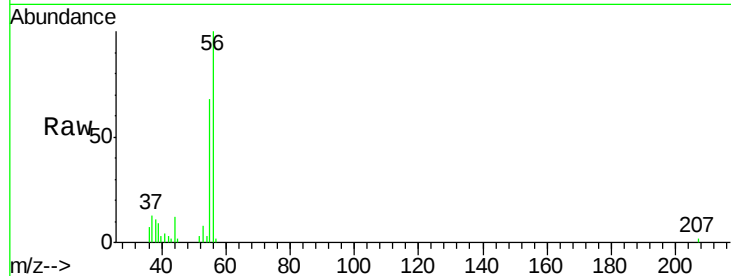
VN1106WBSD01

Tot Ion: 56 Resp: 28142

Ion Ratio Lower Upper

56 100

55 73.2 55.9 83.9



#14

Allyl chloride

Concen: 16.563 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

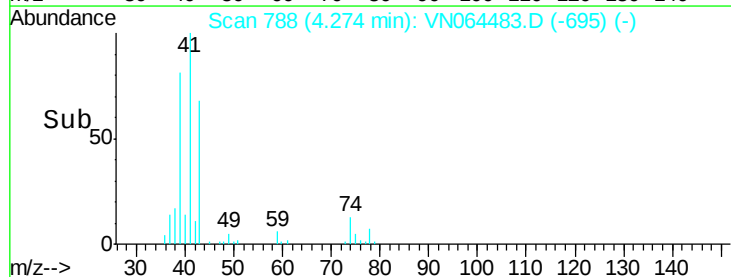
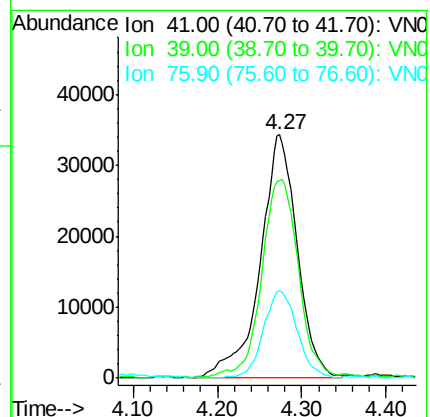
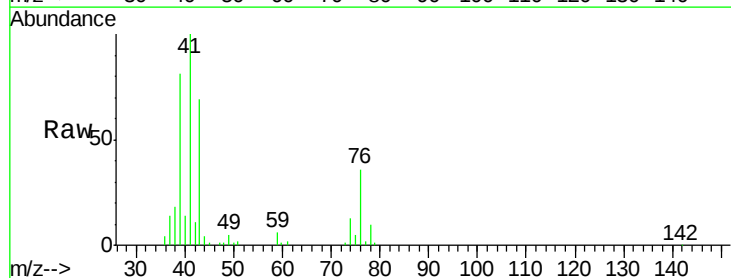
Tgt Ion: 41 Resp: 105002

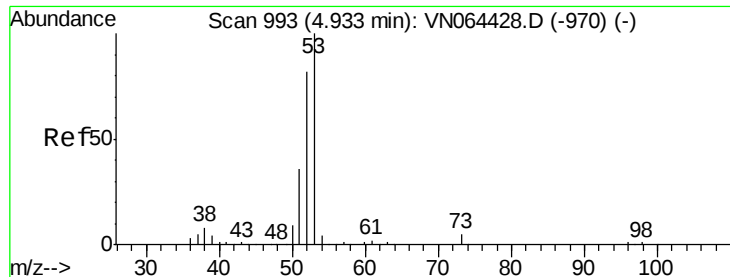
Ion Ratio Lower Upper

41 100

39 80.9 61.8 92.8

76 32.6 25.4 38.0





#15

Acrylonitrile

Concen: 94.707 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

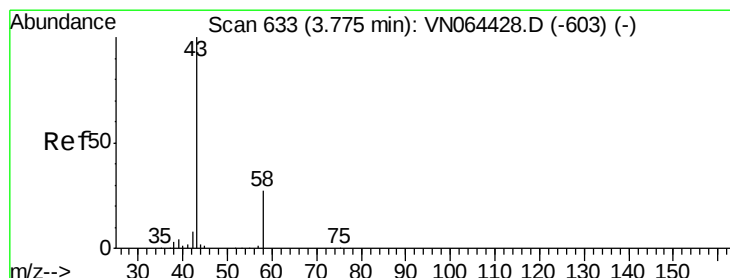
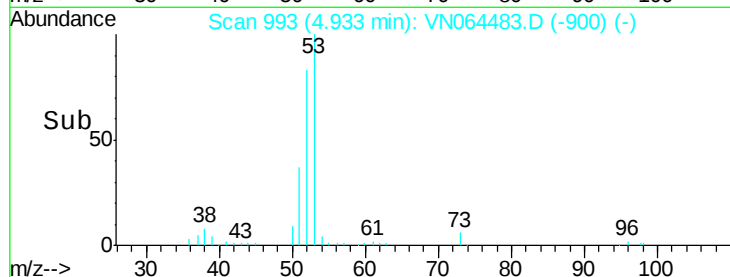
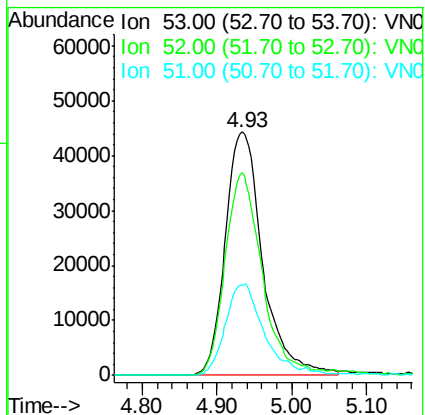
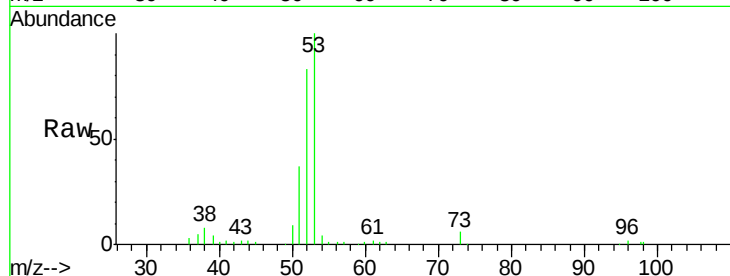
Tot Ion: 53 Resp: 153478

Ion Ratio Lower Upper

53 100

52 81.8 65.6 98.4

51 37.9 29.9 44.9



#16

Acetone

Concen: 90.828 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064483.D

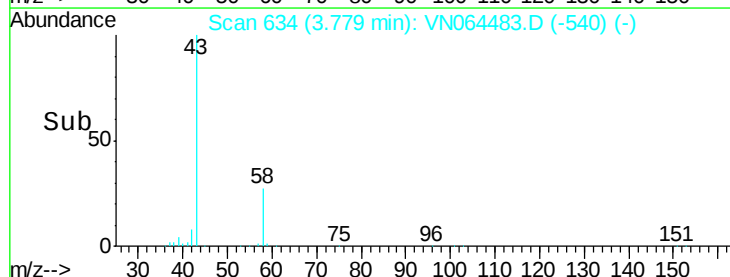
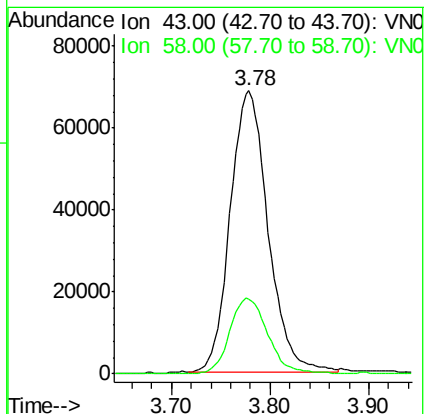
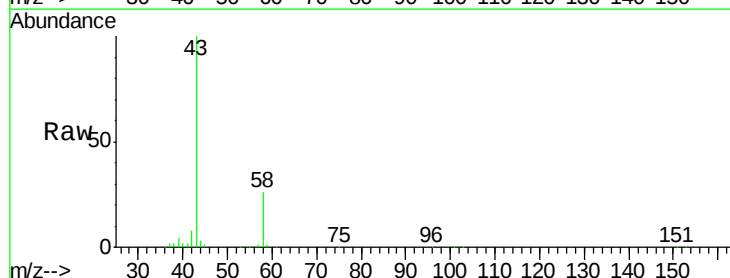
Acq: 6 Nov 2020 15:14

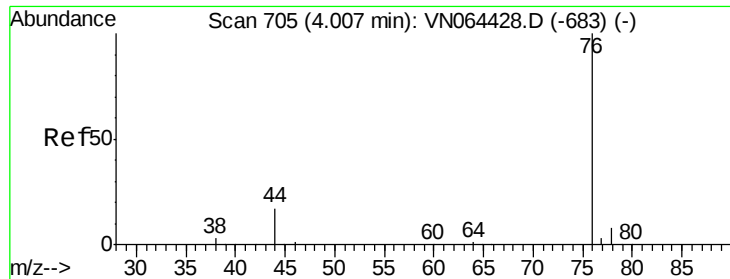
Tgt Ion: 43 Resp: 182613

Ion Ratio Lower Upper

43 100

58 26.6 21.4 32.0





#17

Carbon Disulfide

Concen: 16.976 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

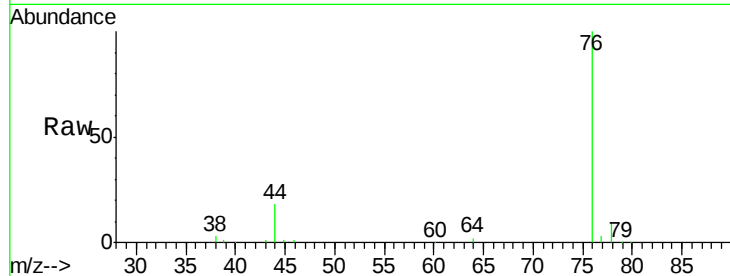
VN1106WBSD01

Tot Ion: 76 Resp: 164518

Ion Ratio Lower Upper

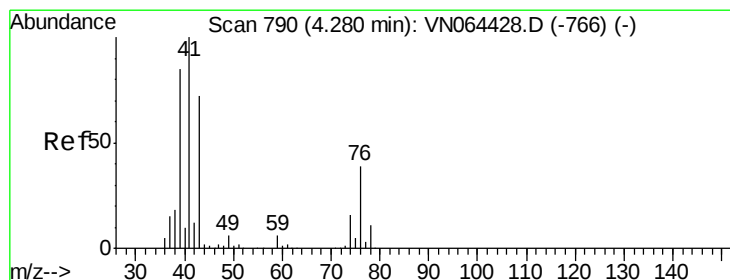
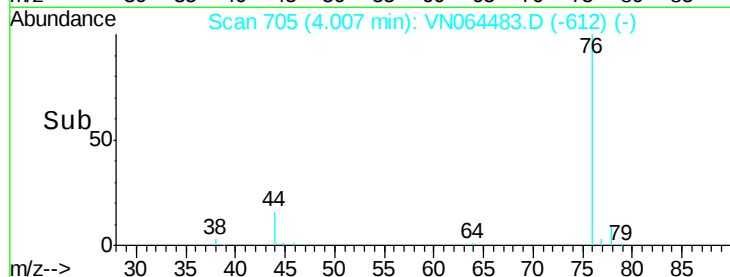
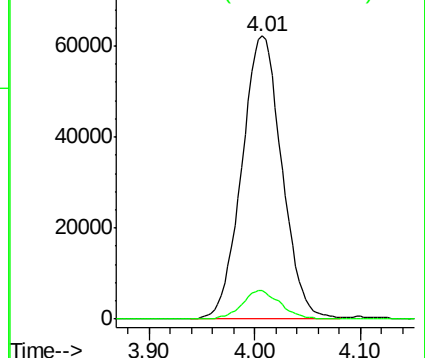
76 100

78 9.9 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.173 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064483.D

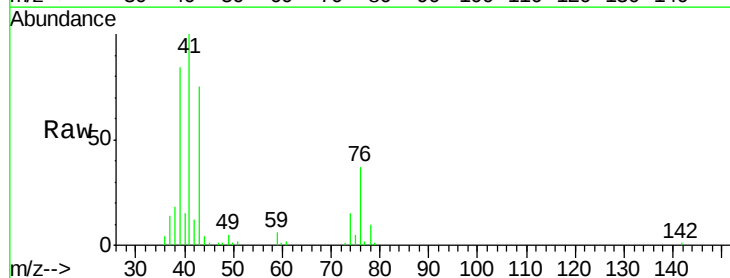
Acq: 6 Nov 2020 15:14

Tgt Ion: 43 Resp: 71833

Ion Ratio Lower Upper

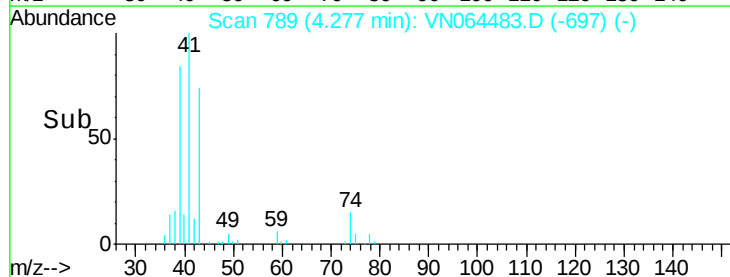
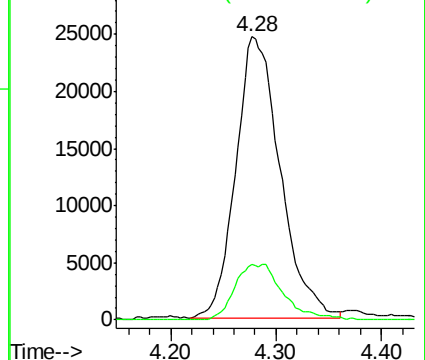
43 100

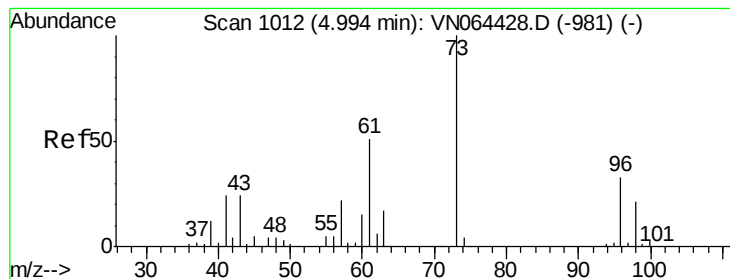
74 21.5 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



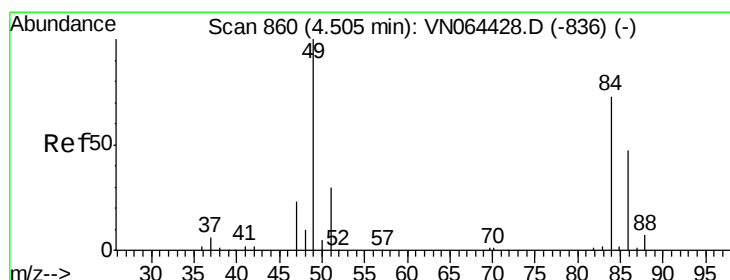
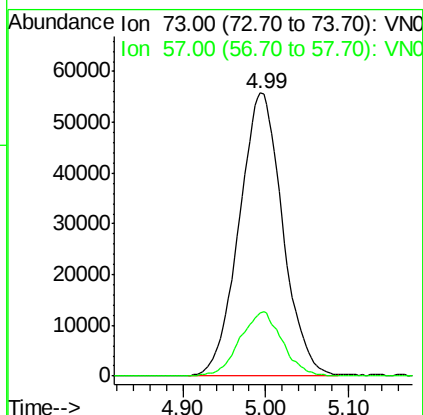
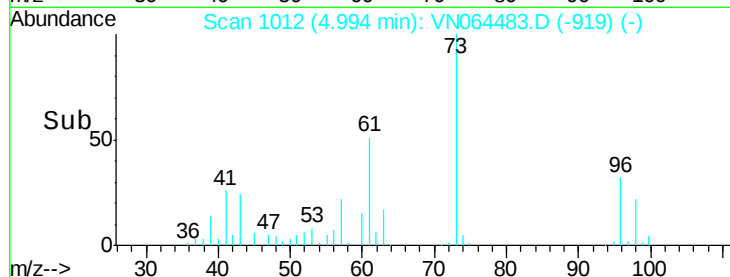
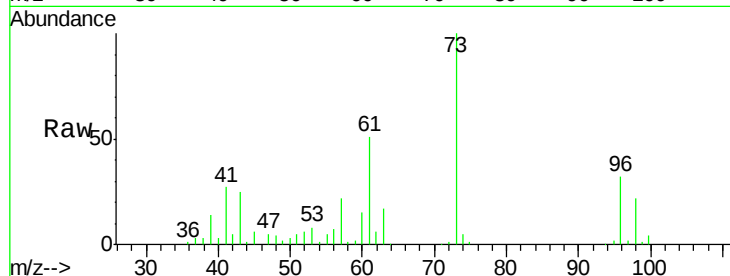


#19

Methyl tert-butyl Ether
 Concen: 17.427 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

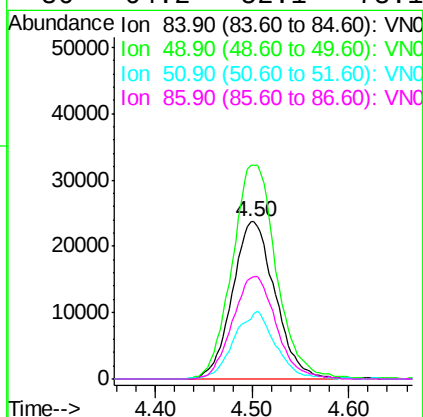
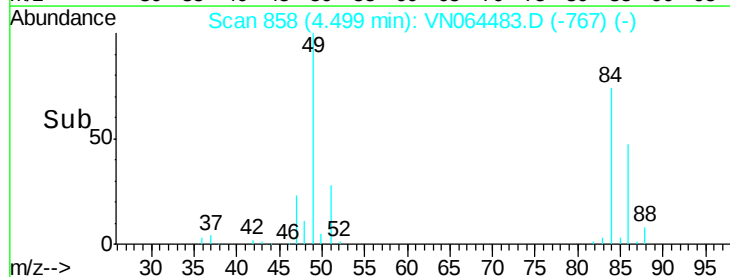
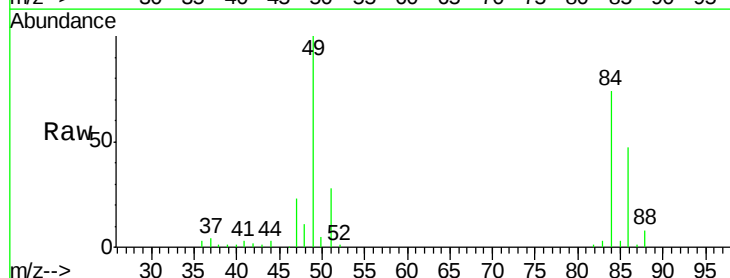
Tot Ion: 73 Resp: 203259
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.7 26.5

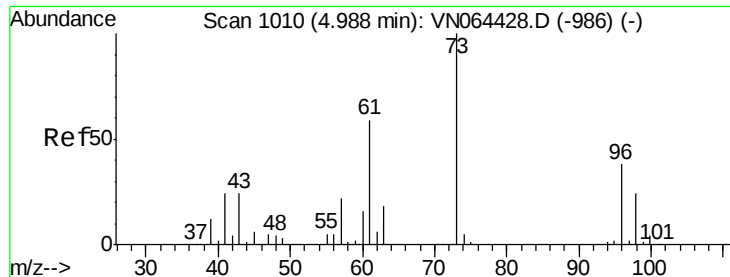


#20

Methylene Chloride
 Concen: 18.268 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion: 84 Resp: 72873
 Ion Ratio Lower Upper
 84 100
 49 135.5 110.1 165.1
 51 38.6 33.6 50.4
 86 64.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 17.197 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

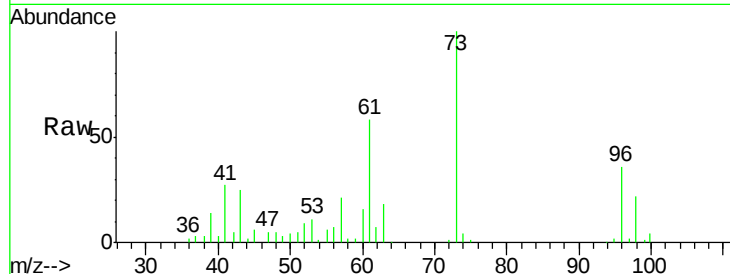
Tot Ion: 96 Resp: 63279

Ion Ratio Lower Upper

96 100

61 160.0 122.4 183.6

98 62.0 50.4 75.6

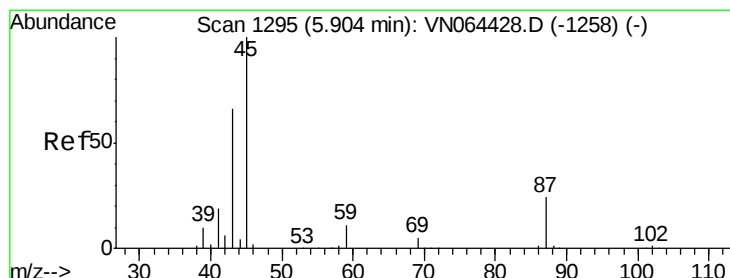
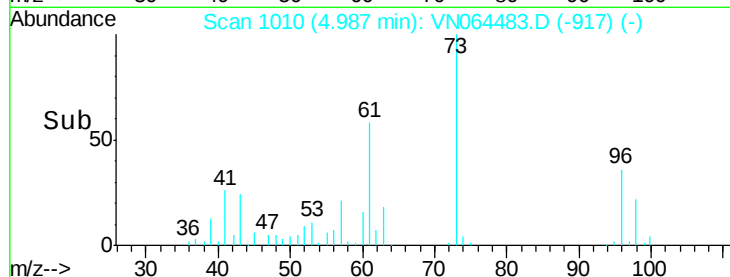
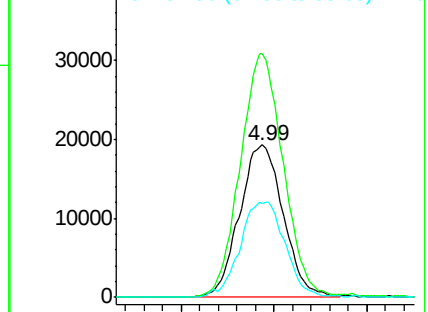


Abundance

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: 17.804 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Tgt Ion: 45 Resp: 239586

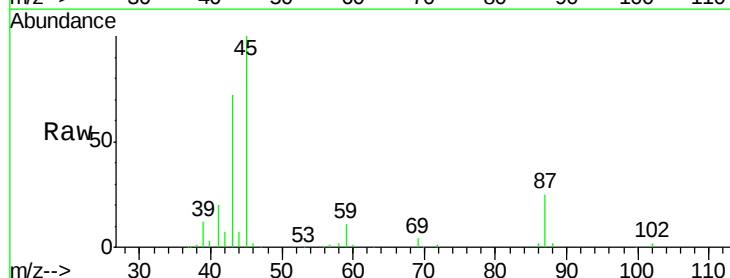
Ion Ratio Lower Upper

45 100

43 69.5 53.2 79.8

87 24.9 19.9 29.9

59 11.1 8.6 13.0



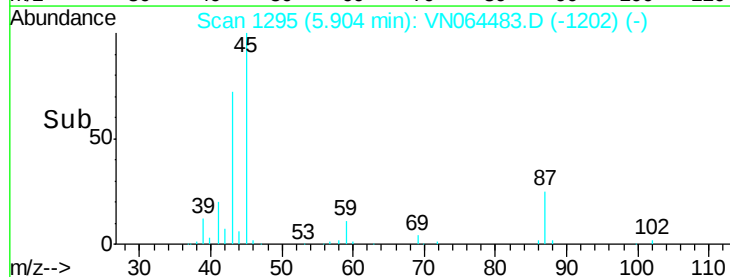
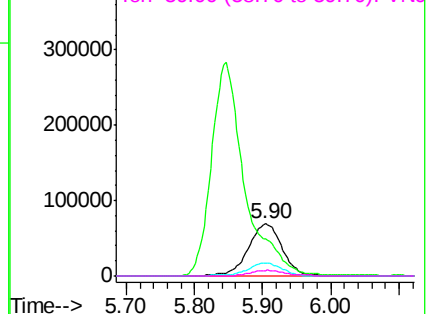
Abundance

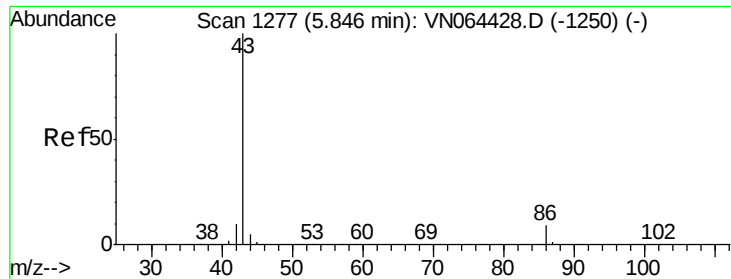
Ion 45.00 (44.70 to 45.70): VN0

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

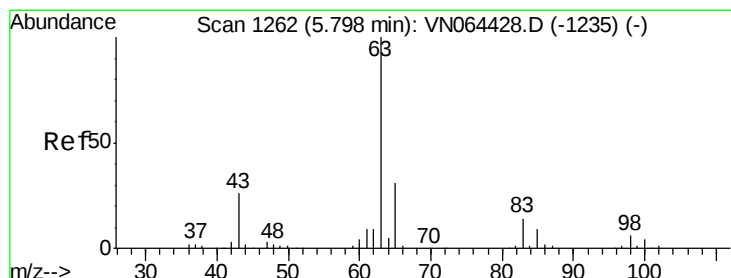
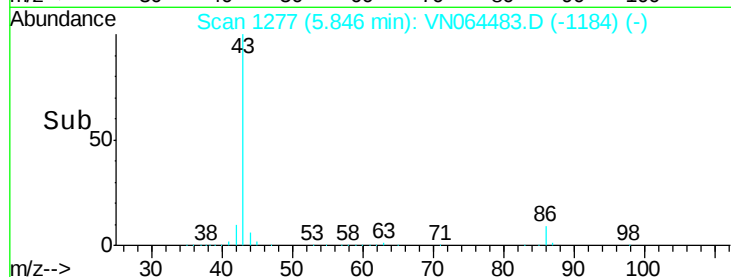
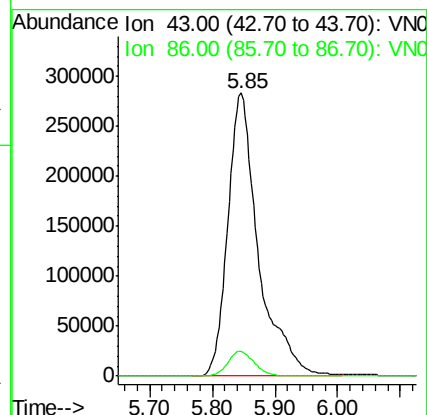
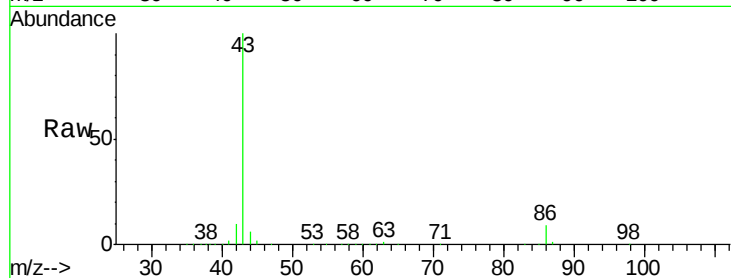




#23
 Vinyl Acetate
 Concen: 87.794 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

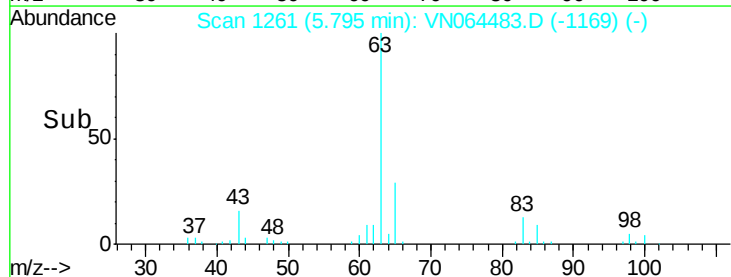
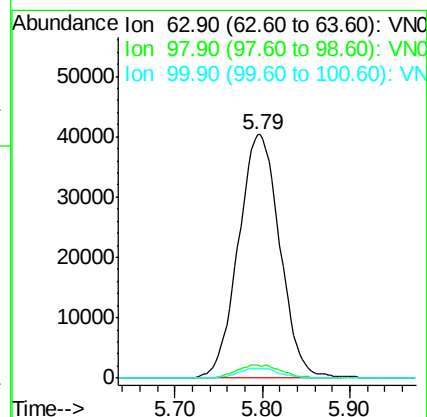
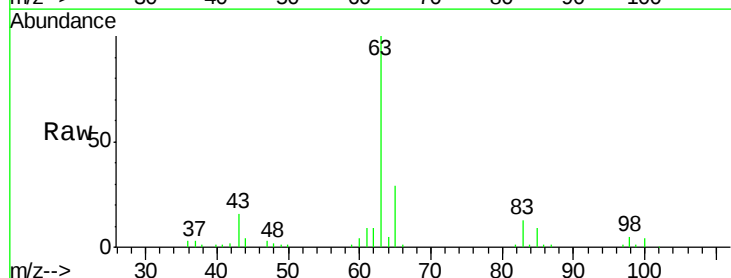
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

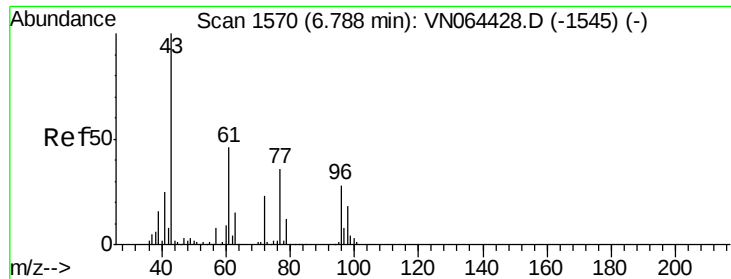
Tot Ion: 43 Resp: 961111
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 17.940 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion: 63 Resp: 132659
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.0 9.2
 100 3.8 1.8 5.3

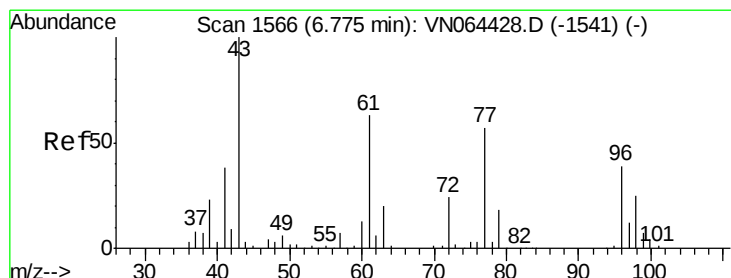
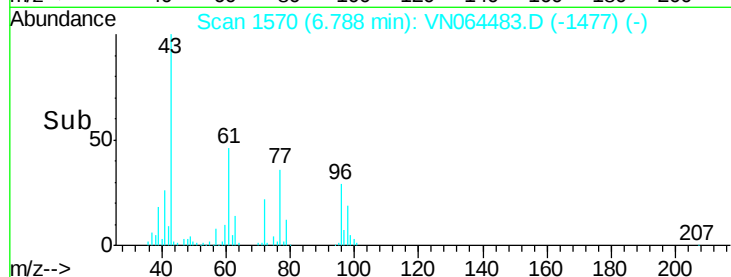
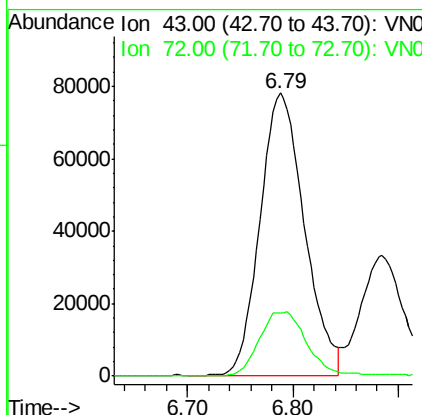
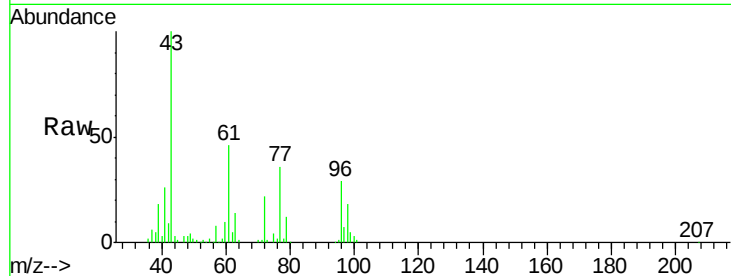




#25
2-Butanone
Concen: 89.416 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

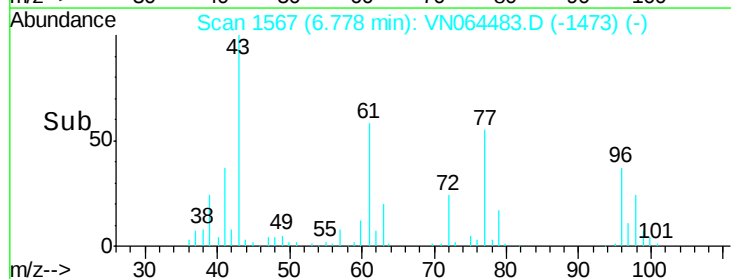
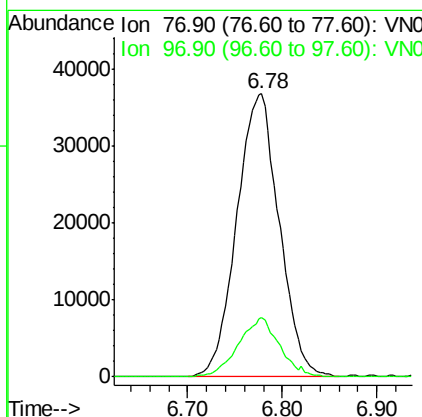
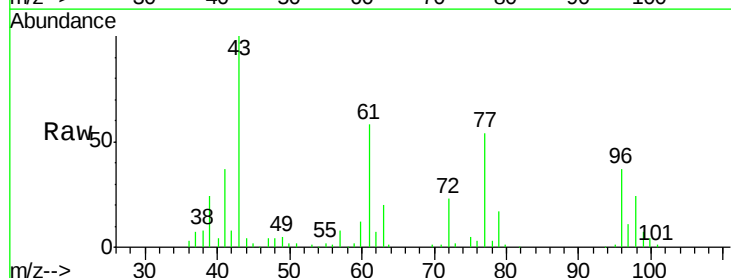
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

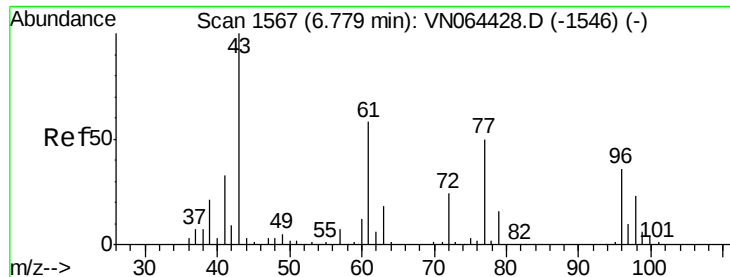
Tot Ion: 43 Resp: 229057
Ion Ratio Lower Upper
43 100
72 22.2 18.5 27.7



#26
2,2-Dichloropropane
Concen: 17.155 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion: 77 Resp: 114834
Ion Ratio Lower Upper
77 100
97 20.3 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 17.199 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

VN1106WBSD01

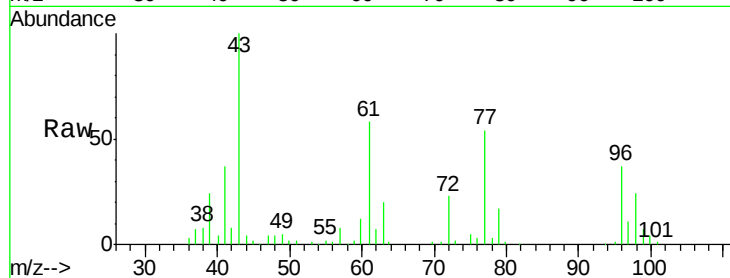
Tot Ion: 96 Resp: 73331

Ion Ratio Lower Upper

96 100

61 162.8 0.0 329.6

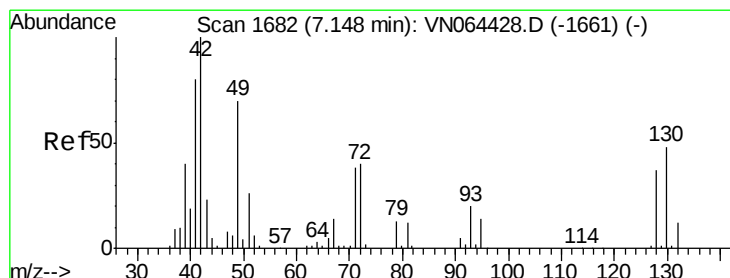
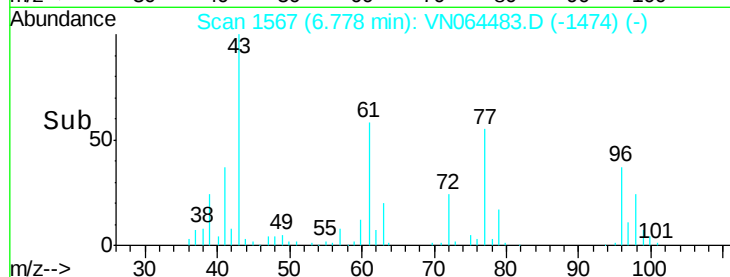
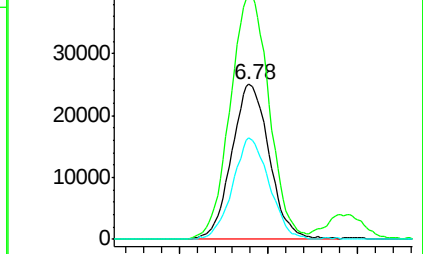
98 63.5 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN064483.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064483.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064483.D (-1546) (-)



#28

Bromochloromethane

Concen: 17.802 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

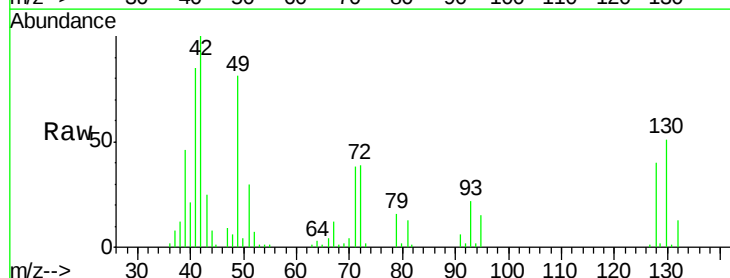
Tgt Ion: 49 Resp: 64708

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.6

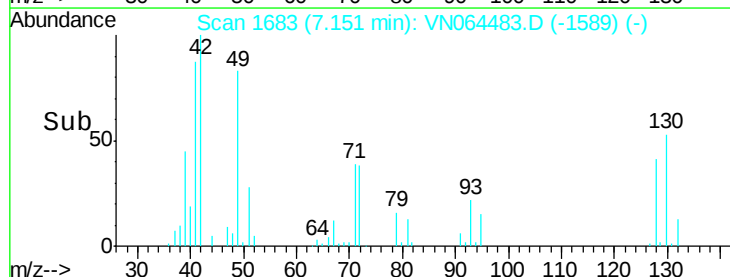
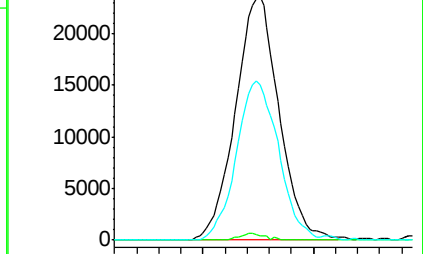
130 63.1 54.2 81.4

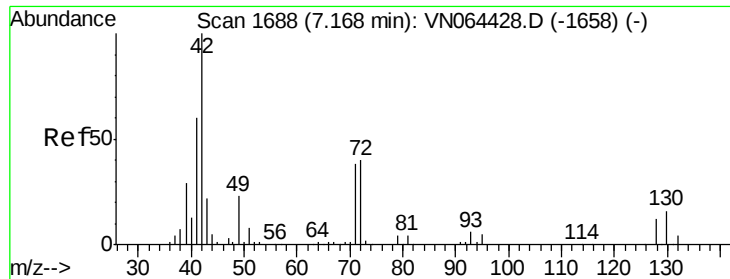


Abundance Ion 48.90 (48.60 to 49.60): VN064483.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064483.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064483.D (-1589) (-)

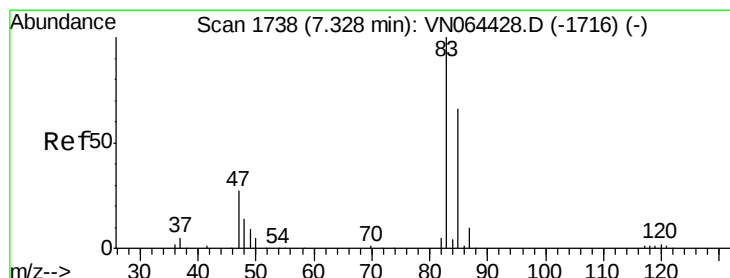
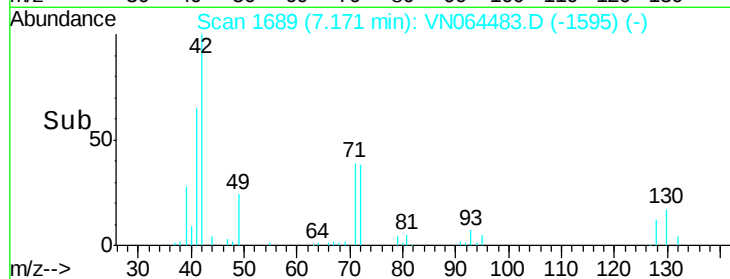
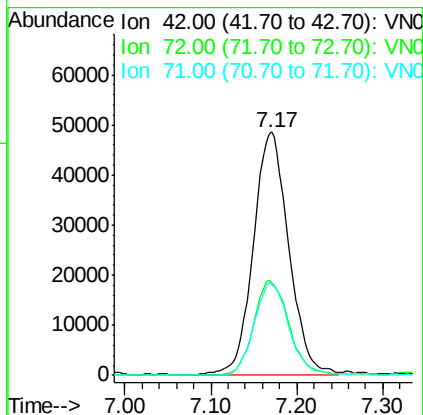
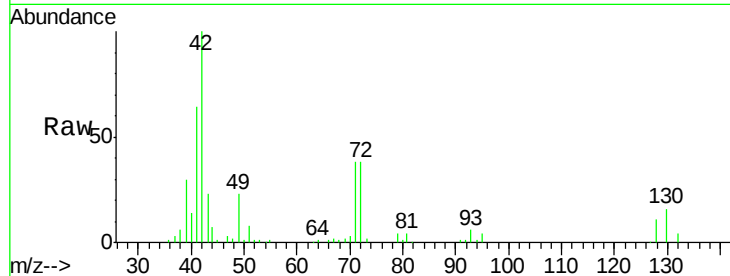




#29
Tetrahydrofuran
Concen: 88.933 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

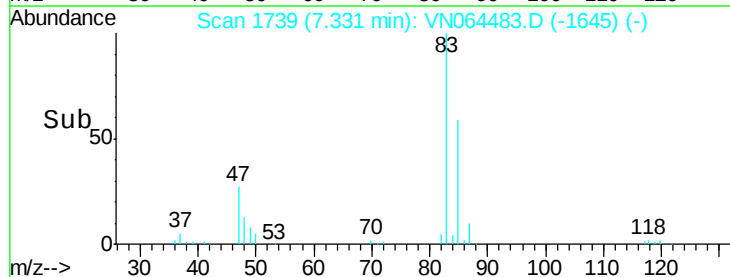
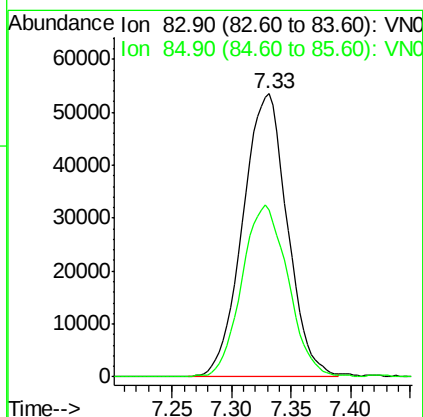
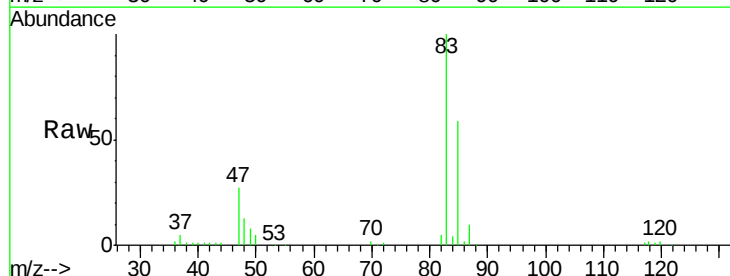
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

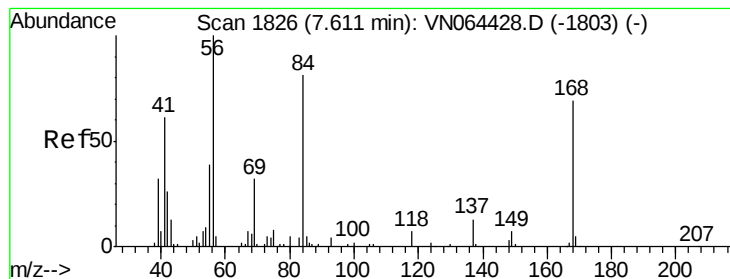
Tot Ion: 42 Resp: 139774
Ion Ratio Lower Upper
42 100
72 38.7 31.7 47.5
71 37.1 29.8 44.6



#30
Chloroform
Concen: 17.882 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion: 83 Resp: 138994
Ion Ratio Lower Upper
83 100
85 59.2 52.5 78.7





#31

Cyclohexane

Concen: 16.103 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

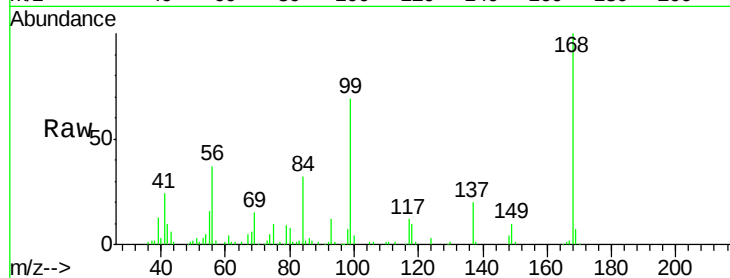
Tot Ion: 56 Resp: 103317

Ion Ratio Lower Upper

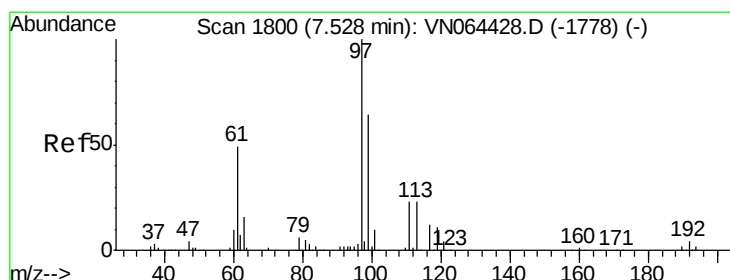
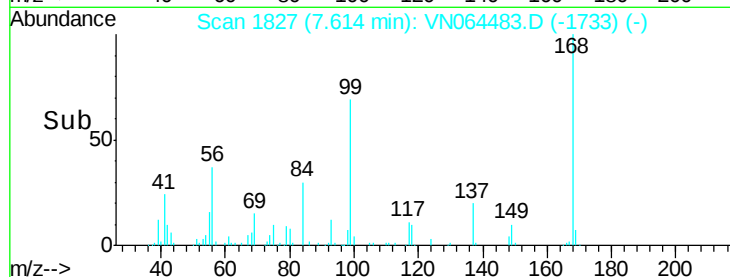
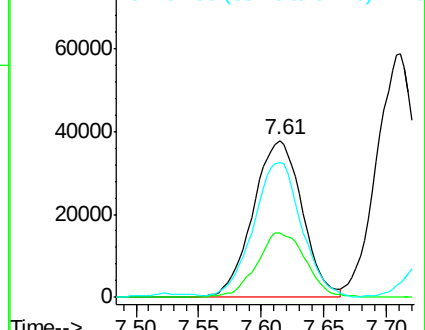
56 100

69 41.3 25.6 38.4#

84 84.5 63.0 94.6



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



#32

1,1,1-Trichloroethane

Concen: 17.640 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

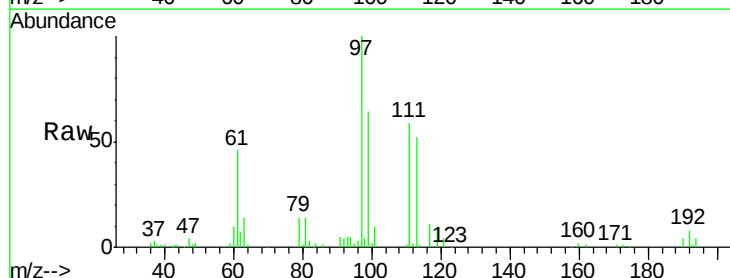
Tgt Ion: 97 Resp: 121615

Ion Ratio Lower Upper

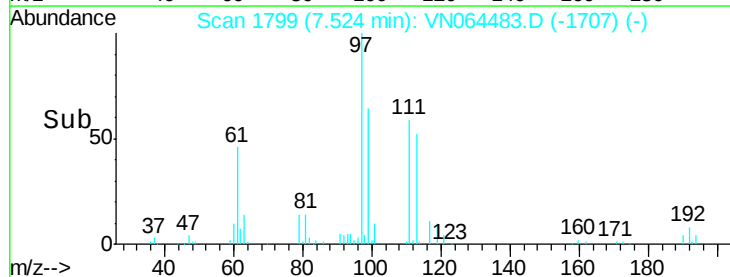
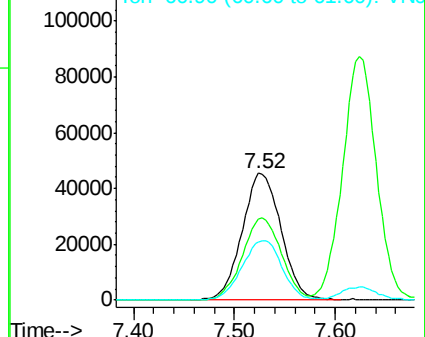
97 100

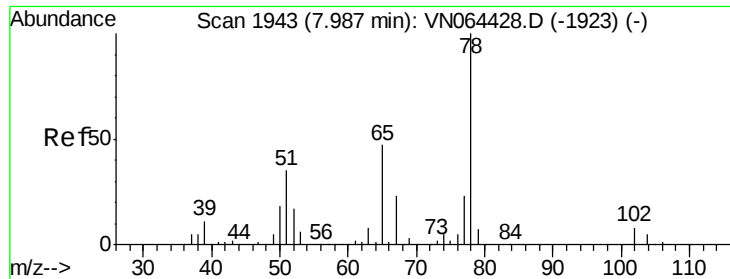
99 64.7 51.3 76.9

61 48.3 39.1 58.7



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





#33

1,2-Dichloroethane-d4

Concen: 48.475 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

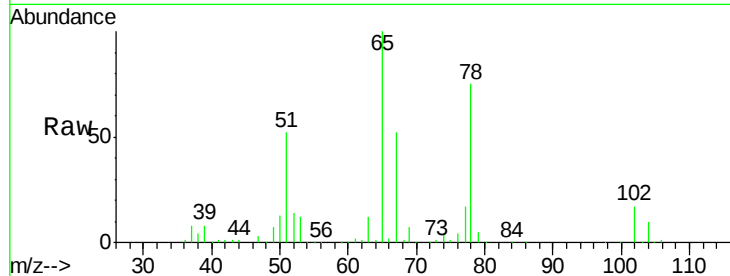
VN1106WBSD01

Tot Ion: 65 Resp: 255859

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064483.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064483.D (-1850) (-)

7.99

120000

100000

80000

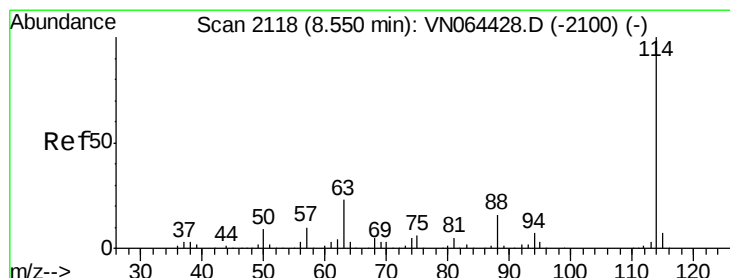
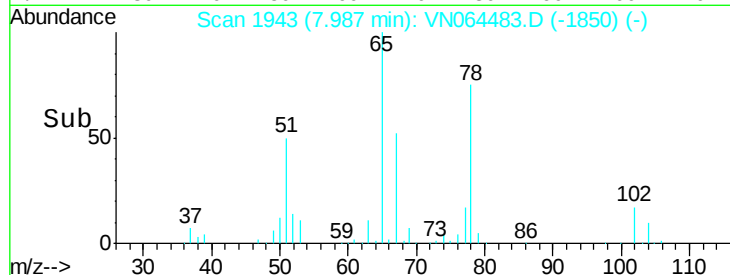
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

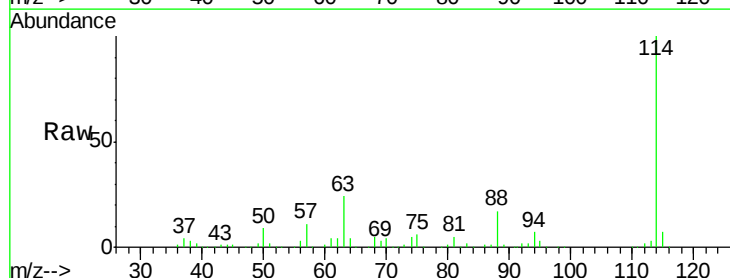
Tgt Ion: 114 Resp: 523831

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.6

88 16.6 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064483.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064483.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064483.D (-2025) (-)

8.55

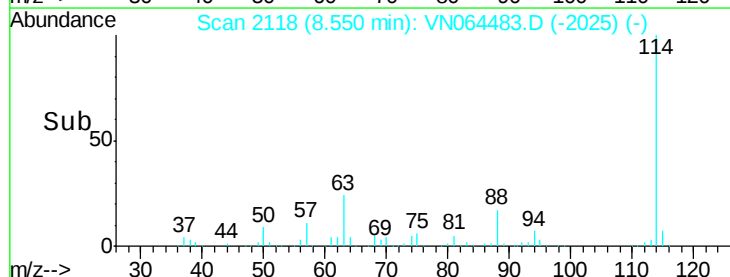
300000

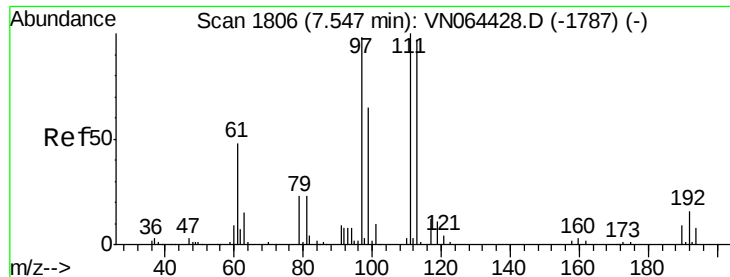
200000

100000

0

Time-->

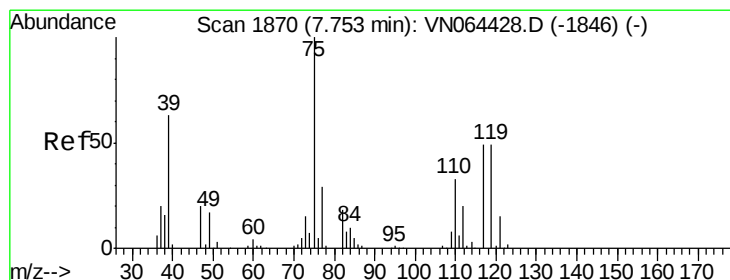
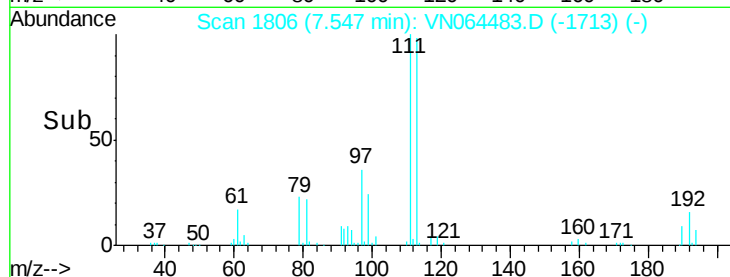
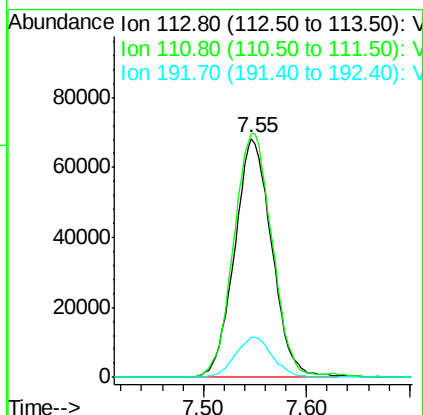
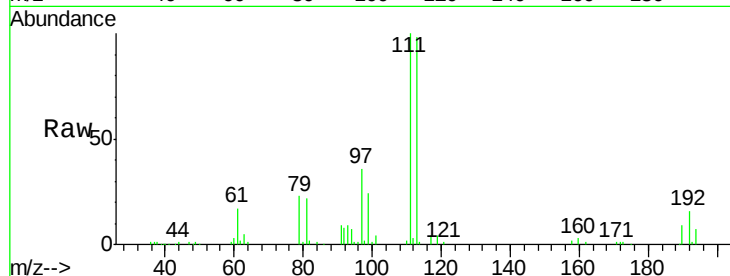




#35
 Dibromofluoromethane
 Concen: 47.959 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

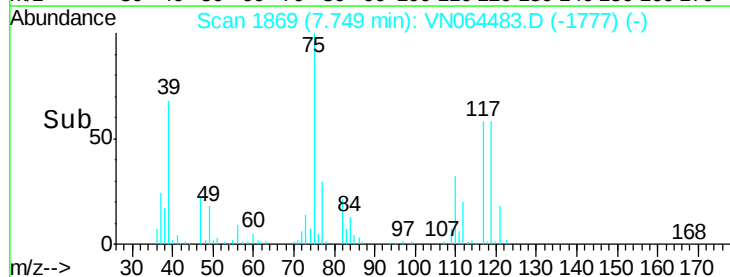
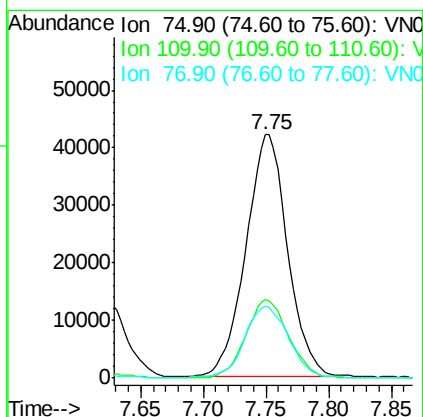
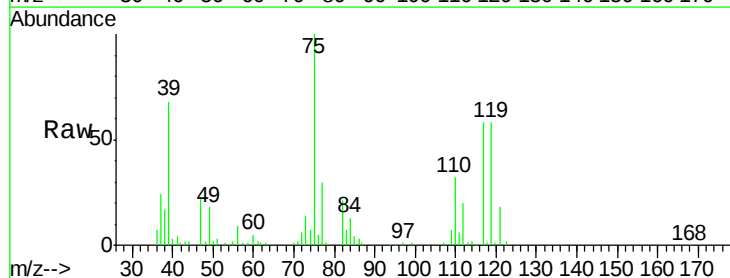
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

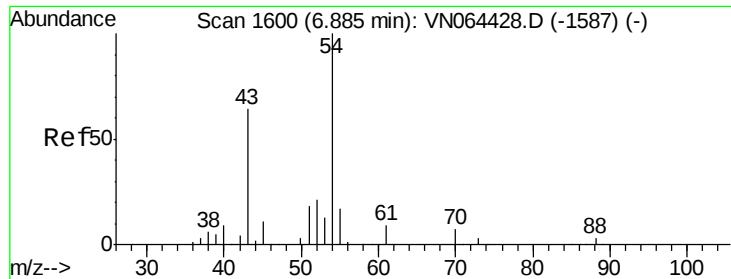
Tot Ion:113 Resp: 171048
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.1 121.7
 192 16.7 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 17.466 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion: 75 Resp: 96657
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.0 48.0
 77 31.5 24.0 36.0

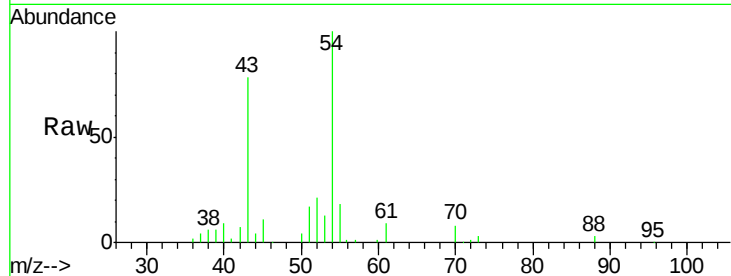




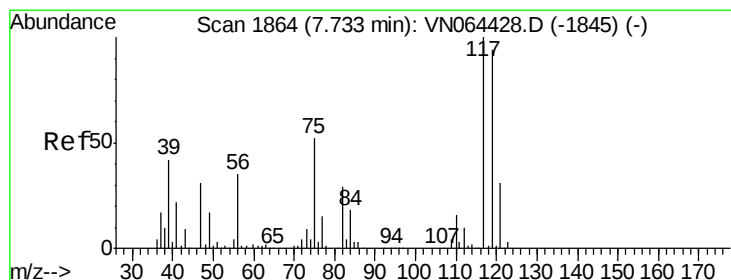
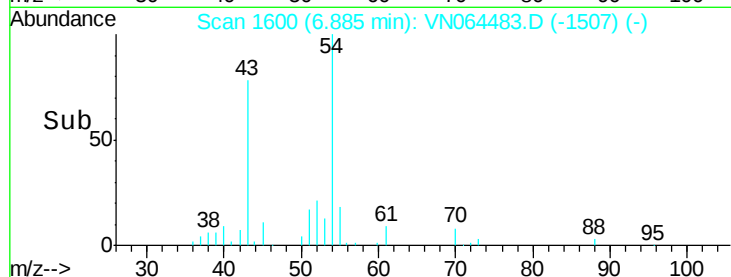
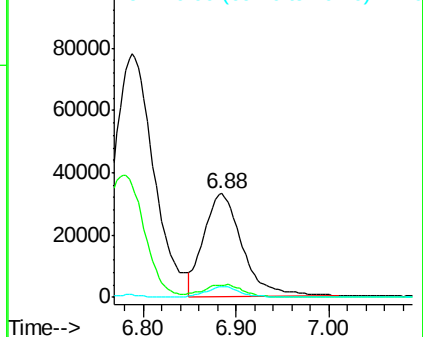
#37
Ethyl Acetate
Concen: 17.378 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Instrument :
MSVOA_N
ClientSampled :
VN1106WBSD01

Tot Ion: 43 Resp: 94766
Ion Ratio Lower Upper
43 100
61 12.5 10.0 15.0
70 9.5 7.1 10.7

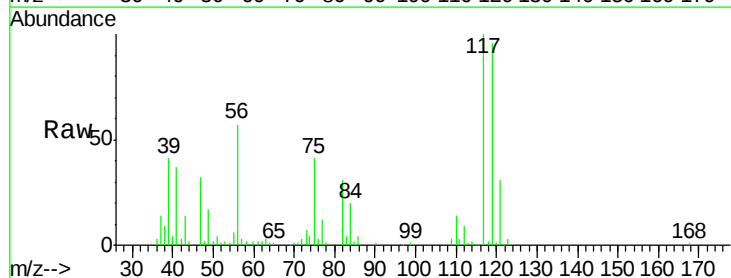


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

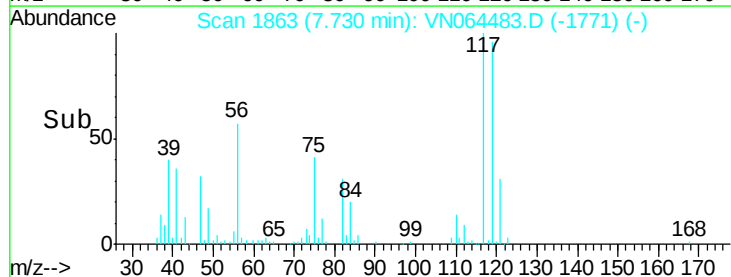
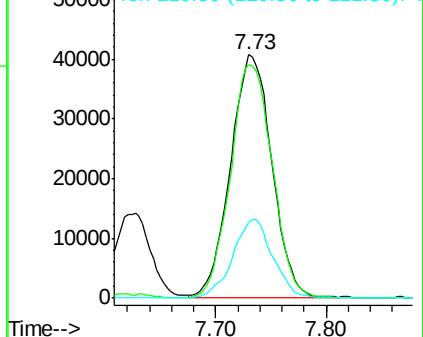


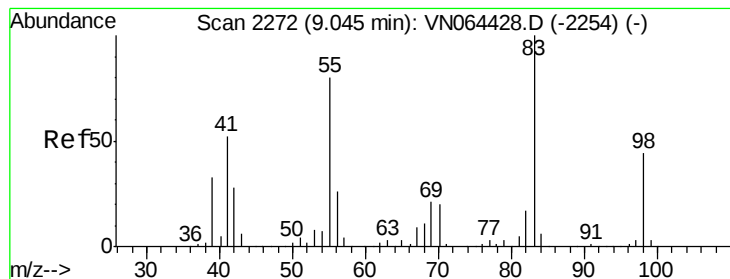
#38
Carbon Tetrachloride
Concen: 17.962 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion: 117 Resp: 106233
Ion Ratio Lower Upper
117 100
119 95.9 75.5 113.3
121 31.4 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: 17.316 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

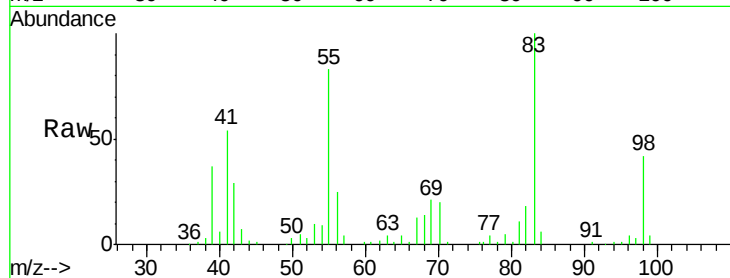
Tot Ion: 83 Resp: 85903

Ion Ratio Lower Upper

83 100

55 82.5 63.8 95.6

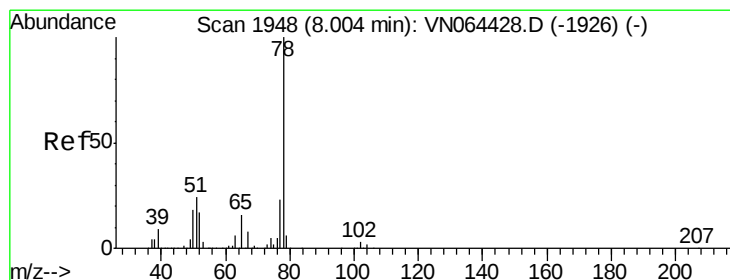
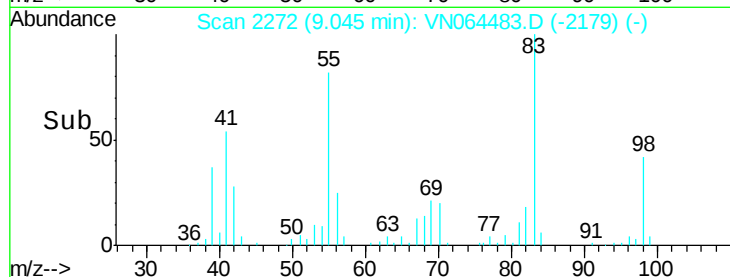
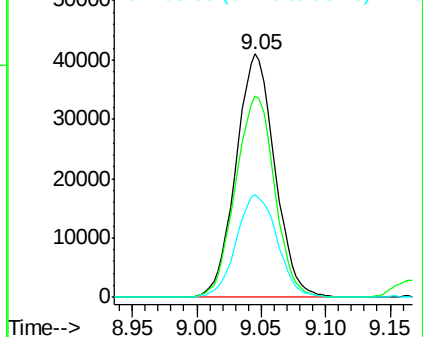
98 42.2 35.4 53.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 17.877 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064483.D

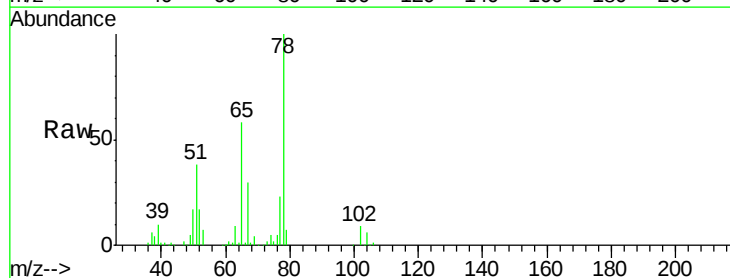
Acq: 6 Nov 2020 15:14

Tgt Ion: 78 Resp: 290709

Ion Ratio Lower Upper

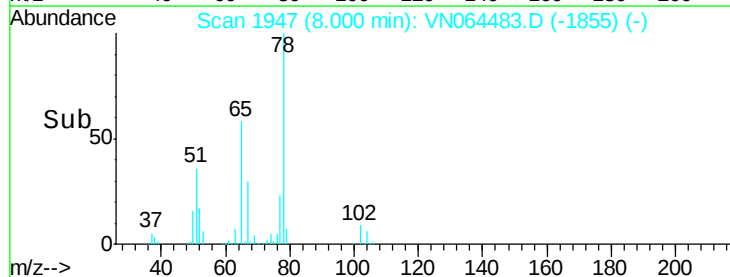
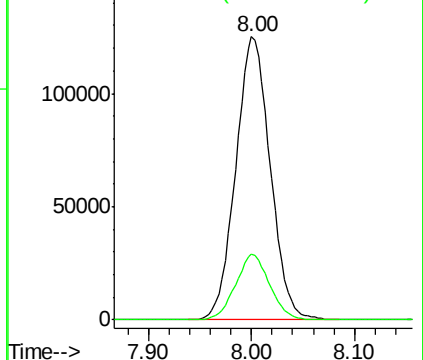
78 100

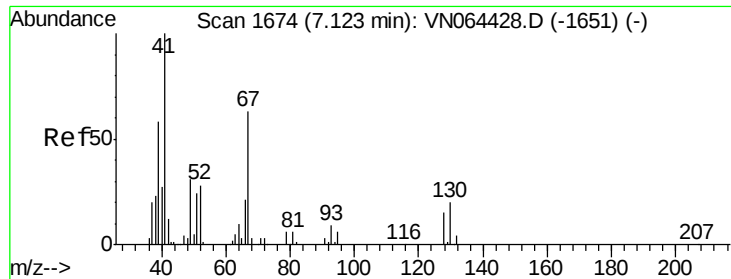
77 23.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

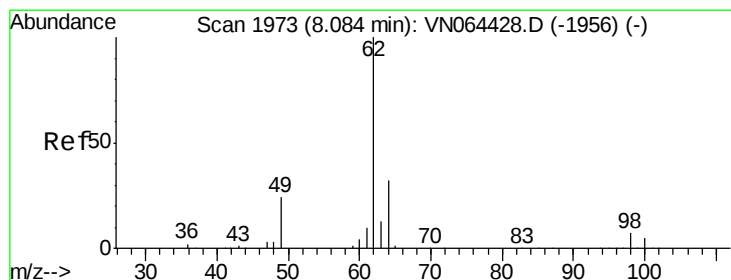
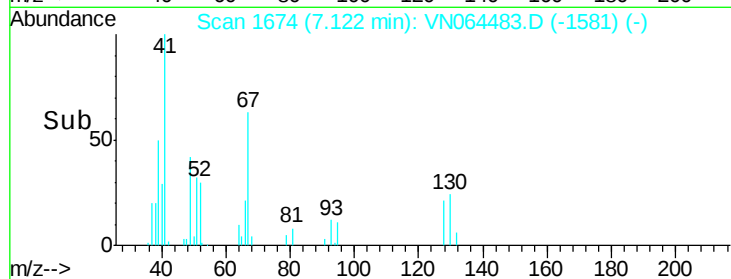
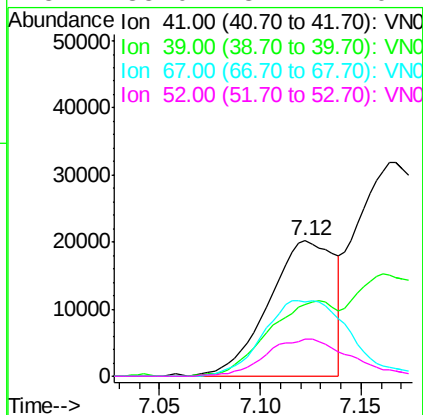
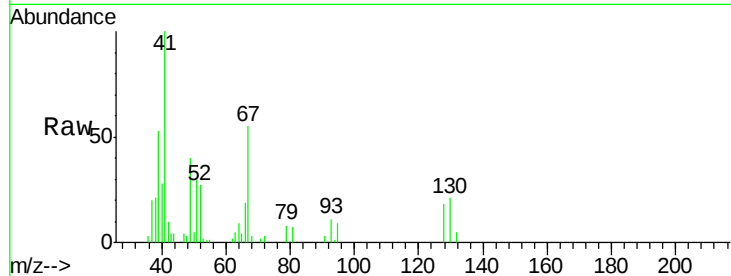




#41
Methacrylonitrile
Concen: 18.712 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

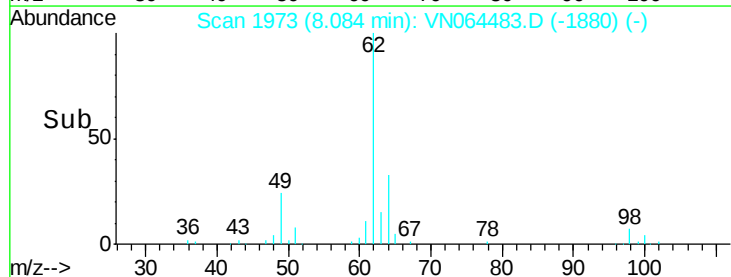
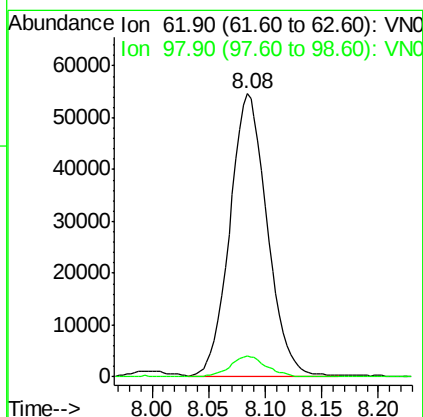
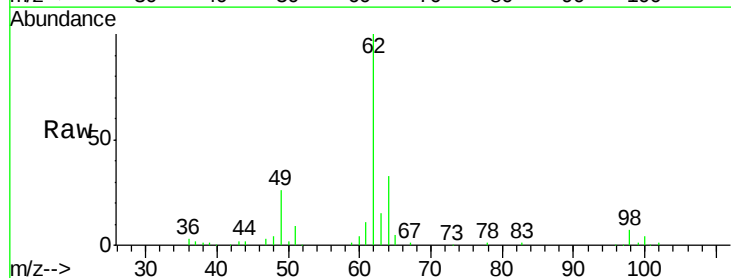
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

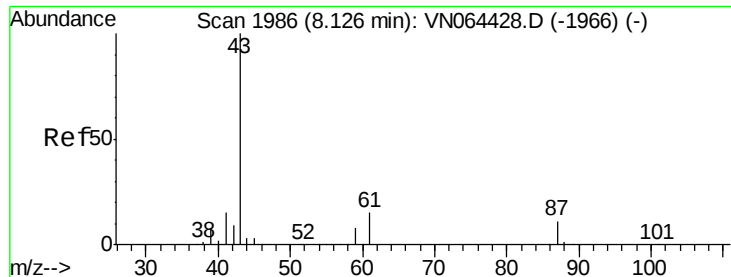
Tot Ion:	41	Resp:	45908
Ion	Ratio	Lower	Upper
41	100		
39	56.6	50.0	75.0
67	74.7	68.3	102.5
52	35.0	32.7	49.1



#42
1,2-Dichloroethane
Concen: 19.006 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion:	62	Resp:	124725
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	14.0





#43

Isopropyl Acetate

Concen: 17.547 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

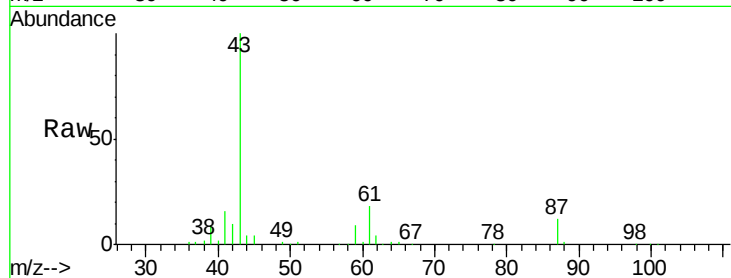
Tot Ion: 43 Resp: 157361

Ion Ratio Lower Upper

43 100

61 18.1 14.0 21.0

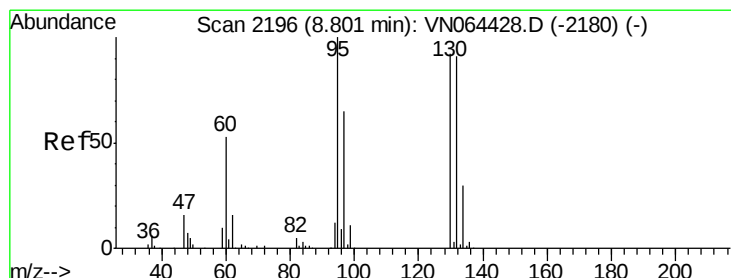
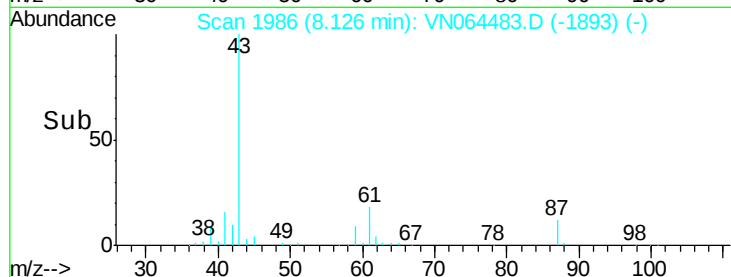
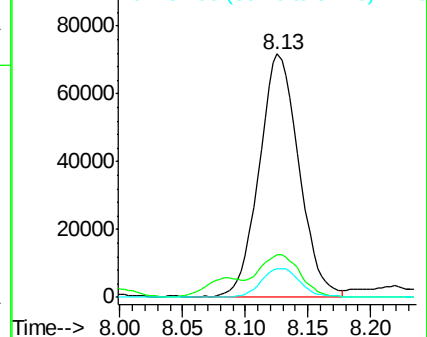
87 11.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064483.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN064483.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN064483.D (-2103) (-)



#44

Trichloroethene

Concen: 18.050 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064483.D

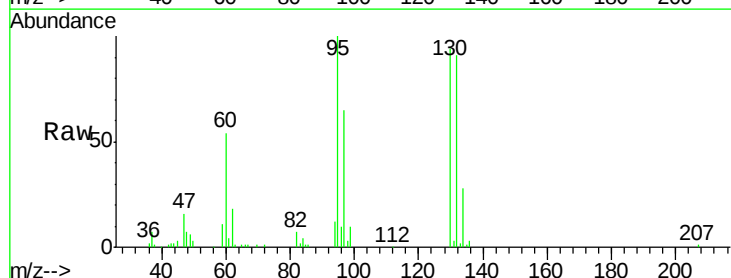
Acq: 6 Nov 2020 15:14

Tgt Ion:130 Resp: 74053

Ion Ratio Lower Upper

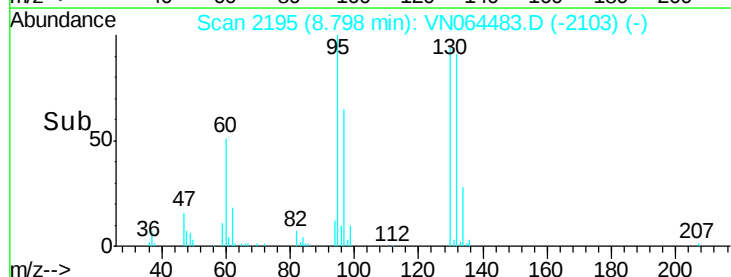
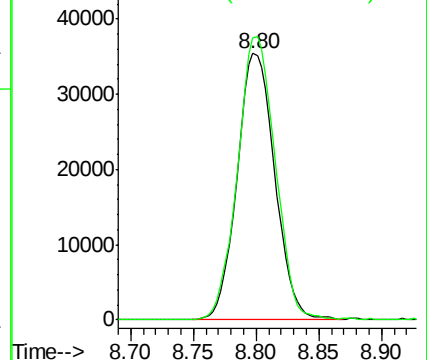
130 100

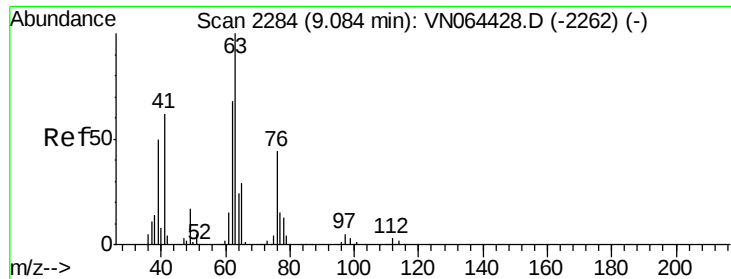
95 106.0 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064483.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064483.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 18.713 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

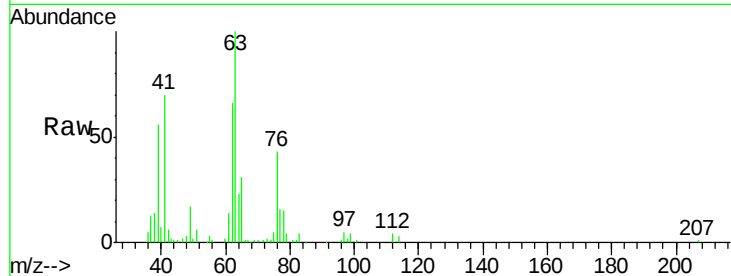
VN1106WBSD01

Tot Ion: 63 Resp: 81193

Ion Ratio Lower Upper

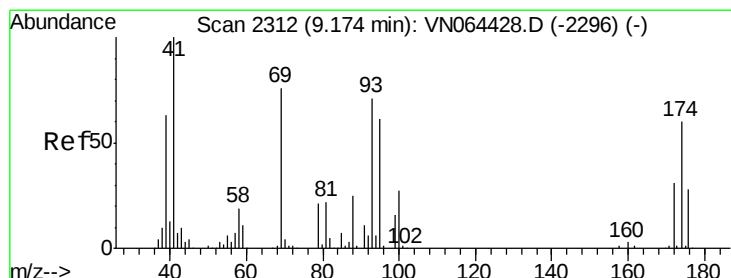
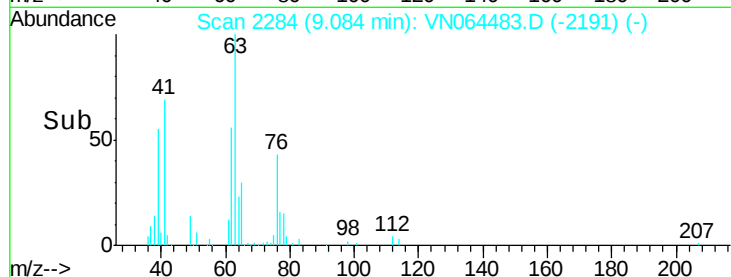
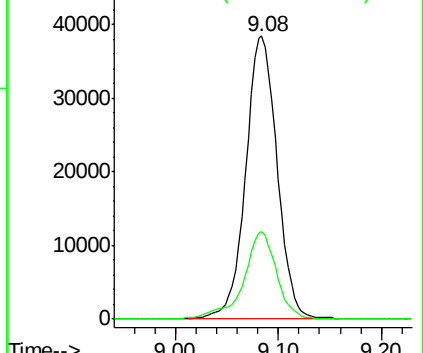
63 100

65 31.1 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.203 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

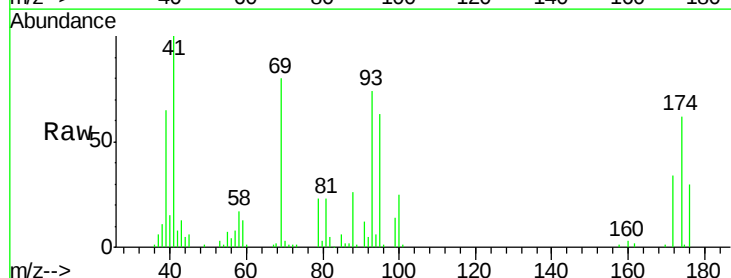
Tgt Ion: 93 Resp: 54850

Ion Ratio Lower Upper

93 100

95 80.6 66.4 99.6

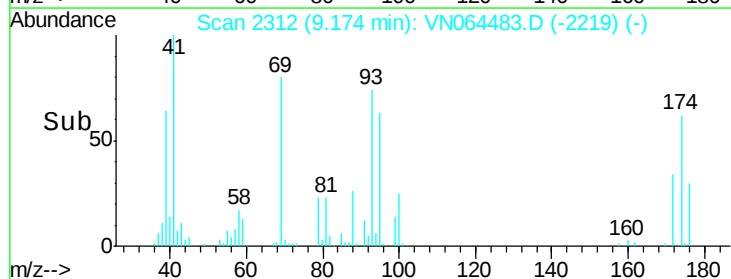
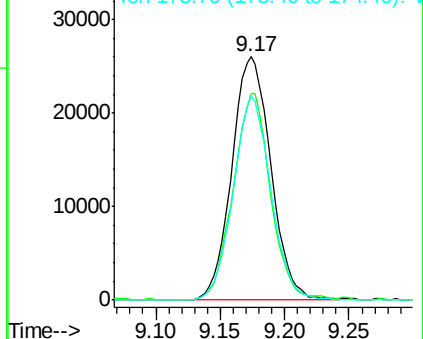
174 80.5 67.2 100.8

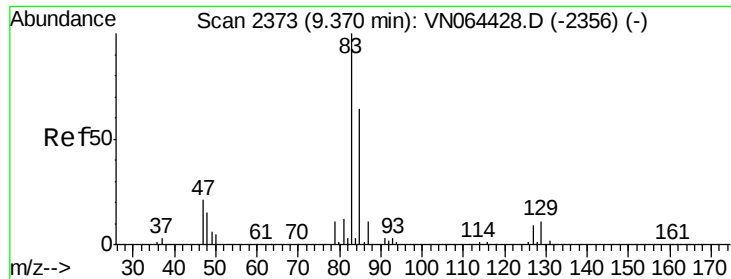


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

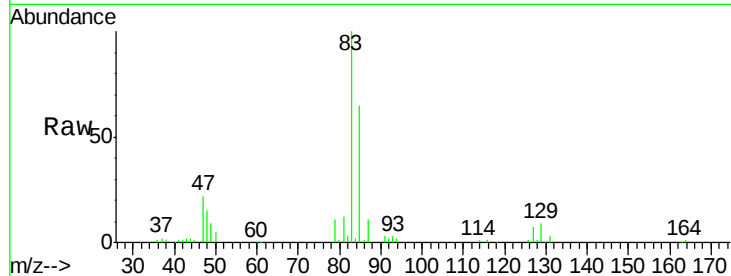




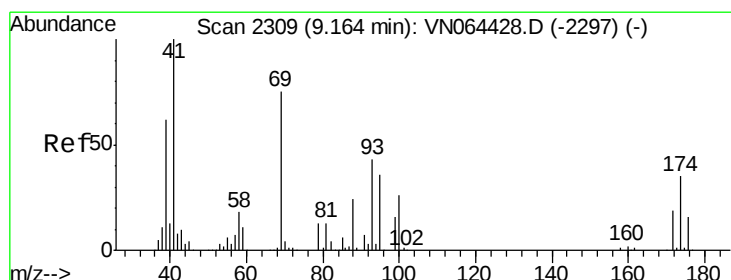
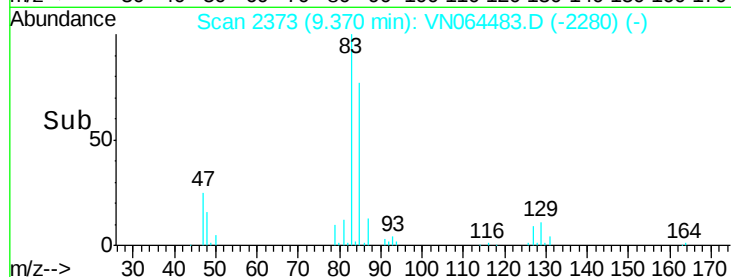
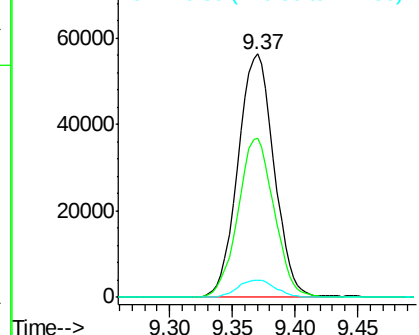
#47
Bromodichloromethane
Concen: 18.340 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

Tot Ion: 83 Resp: 112634
Ion Ratio Lower Upper
83 100
85 65.2 51.2 76.8
127 7.2 6.9 10.3

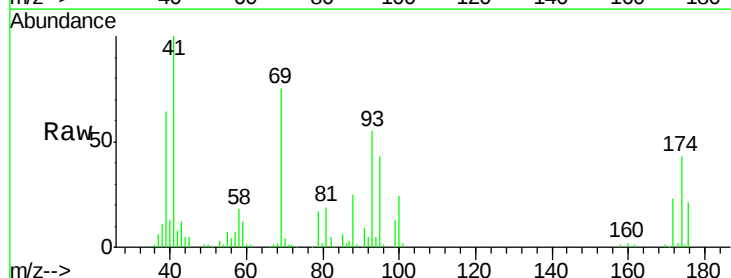


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

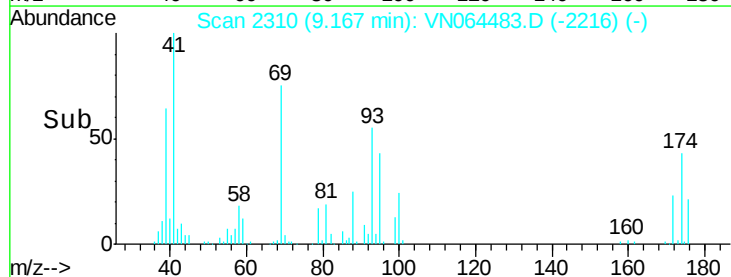
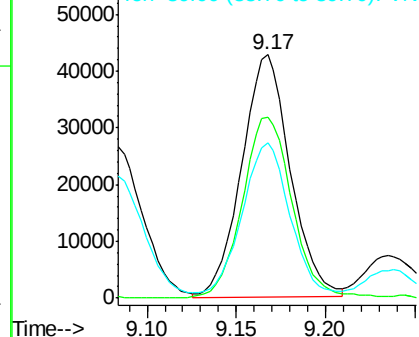


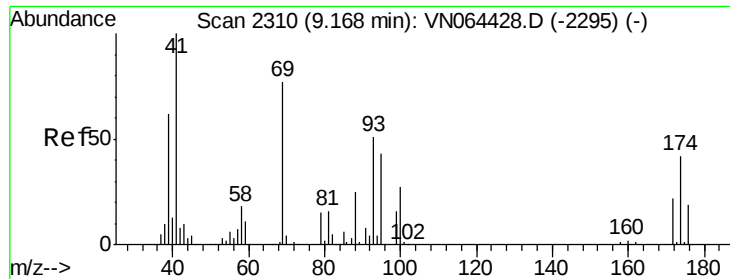
#48
Methyl methacrylate
Concen: 17.938 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion: 41 Resp: 81177
Ion Ratio Lower Upper
41 100
69 76.6 60.4 90.6
39 63.8 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: 369.379 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

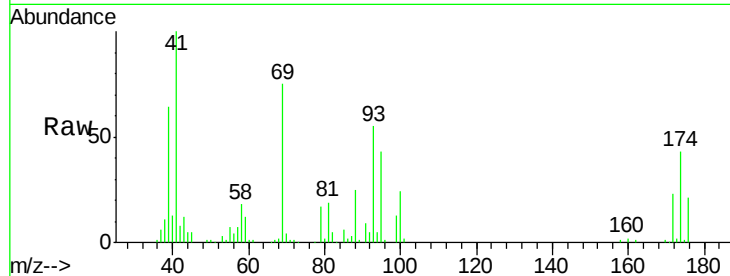
Tot Ion: 88 Resp: 22017

Ion Ratio Lower Upper

88 100

43 42.5 31.0 46.6

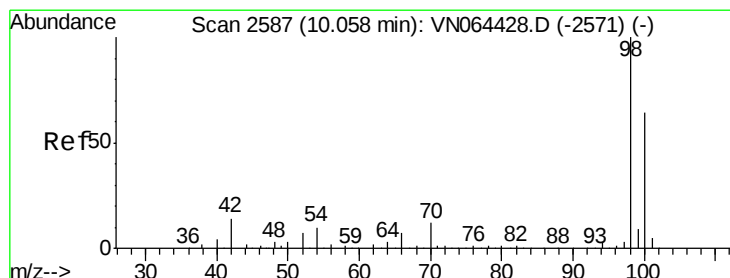
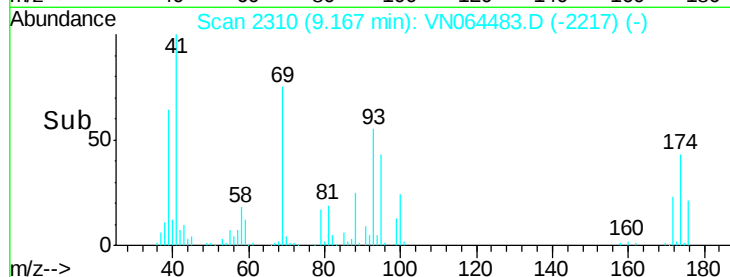
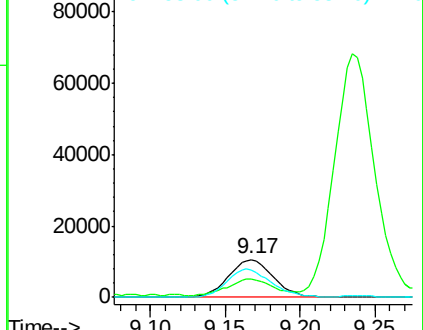
58 74.1 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN064428.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2295) (-)



#50

Toluene-d8

Concen: 47.000 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064483.D

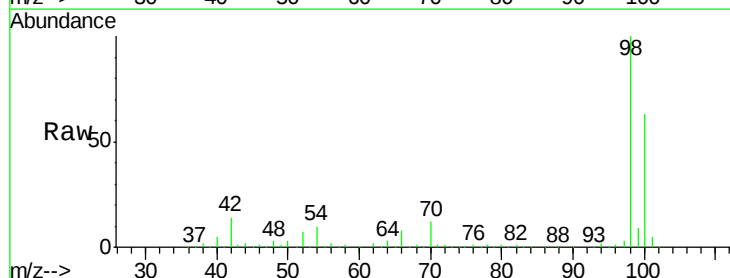
Acq: 6 Nov 2020 15:14

Tgt Ion: 98 Resp: 647887

Ion Ratio Lower Upper

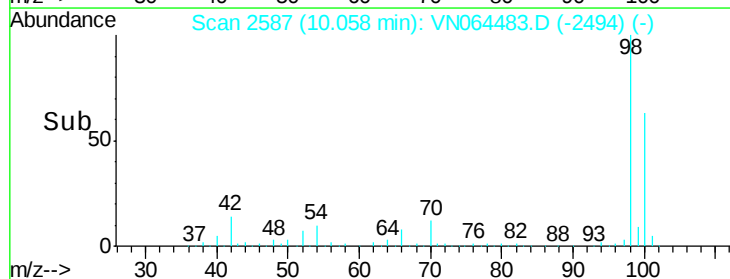
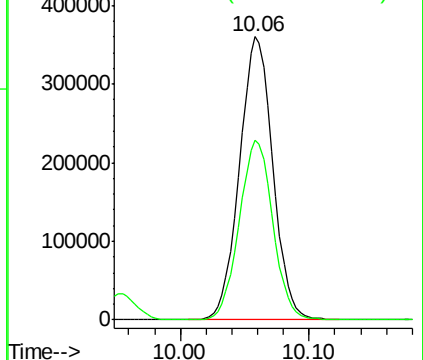
98 100

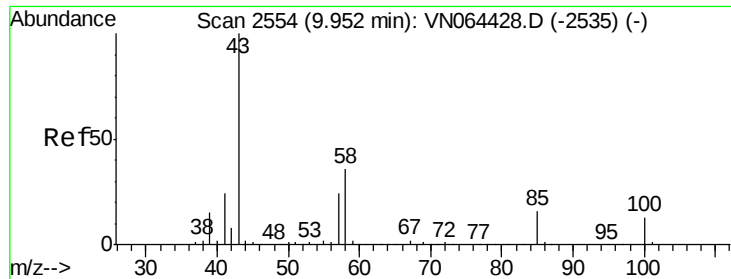
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 92.243 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

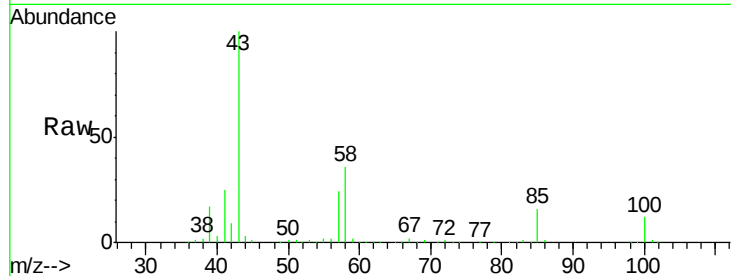
VN1106WBSD01

Tot Ion: 43 Resp: 482426

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

250000

200000

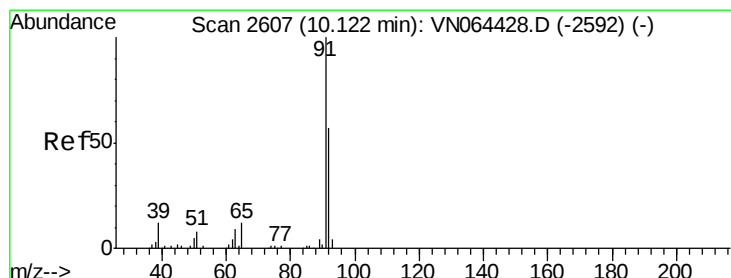
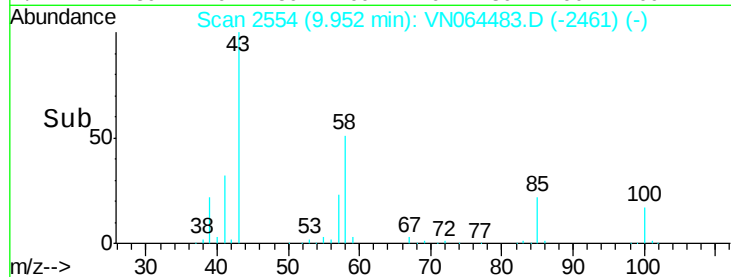
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 17.803 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064483.D

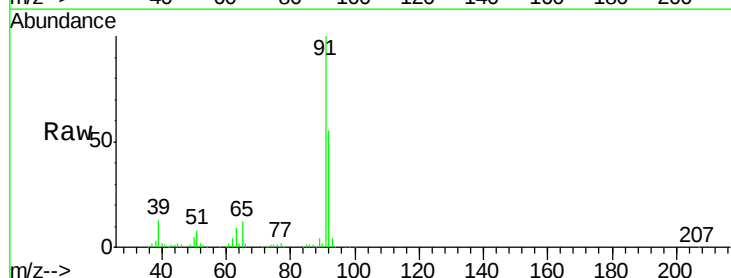
Acq: 6 Nov 2020 15:14

Tgt Ion: 92 Resp: 176571

Ion Ratio Lower Upper

92 100

91 178.6 139.6 209.4



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

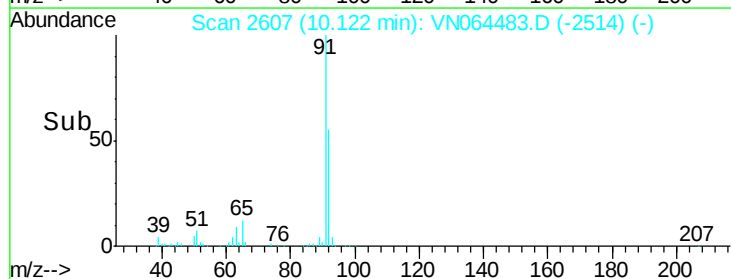
150000

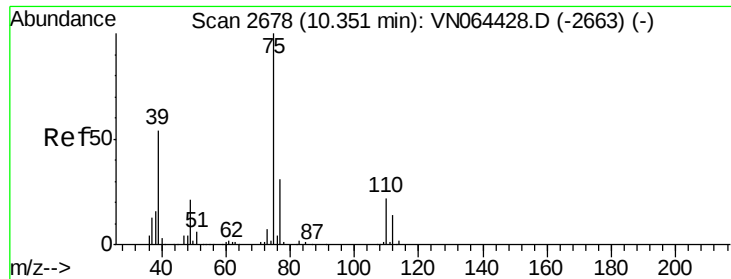
100000

50000

0

Time-->

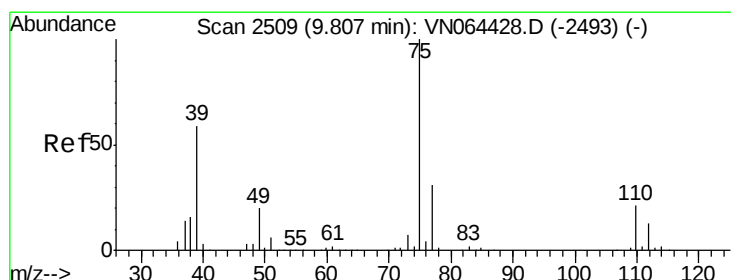
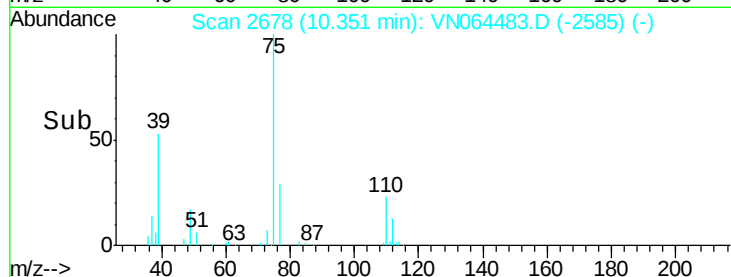
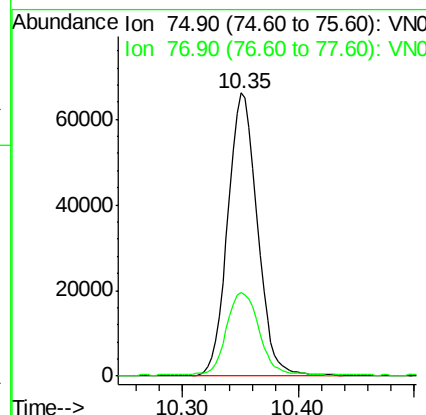
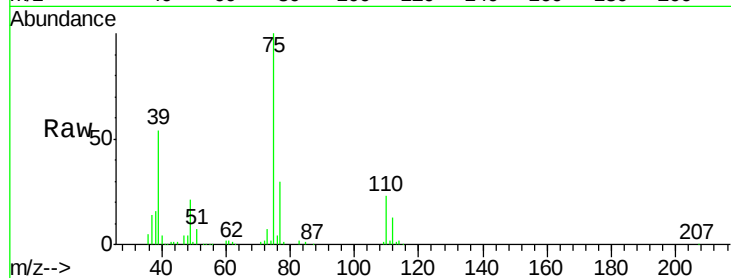




#53
t-1,3-Dichloropropene
Concen: 17.979 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

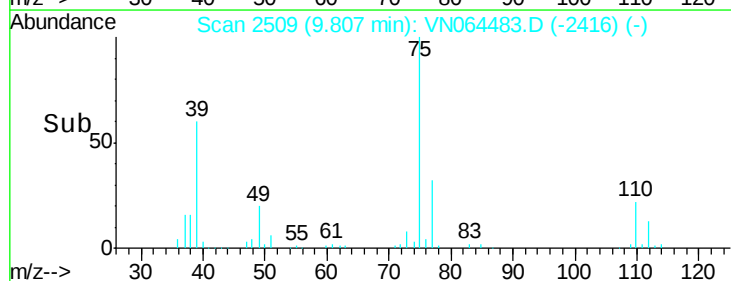
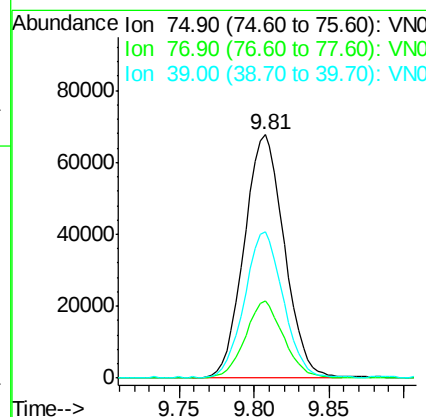
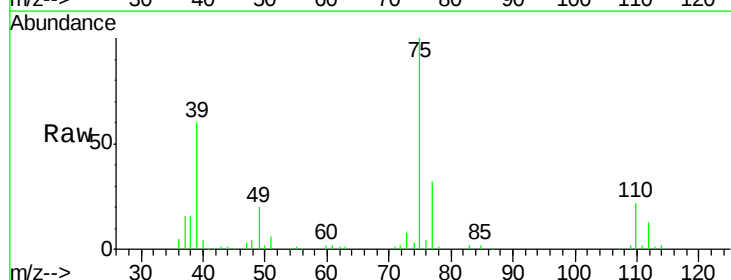
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

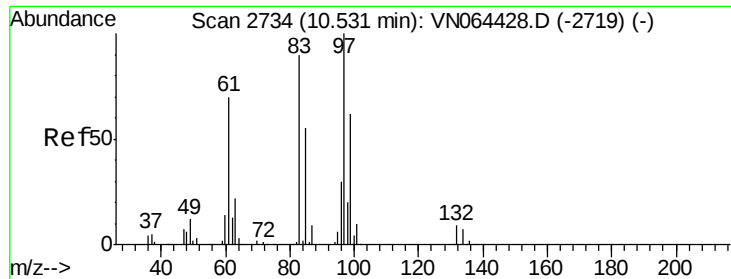
Tot Ion: 75 Resp: 117065
Ion Ratio Lower Upper
75 100
77 29.0 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 18.208 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion: 75 Resp: 126754
Ion Ratio Lower Upper
75 100
77 31.9 24.9 37.3
39 59.7 47.1 70.7





#55

1,1,2-Trichloroethane

Concen: 18.780 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

Tot Ion: 97 Resp: 72643

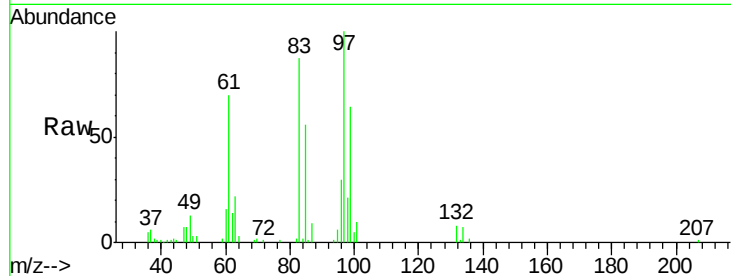
Ion Ratio Lower Upper

97 100

83 86.7 71.7 107.5

85 56.1 44.3 66.5

99 63.4 49.4 74.2



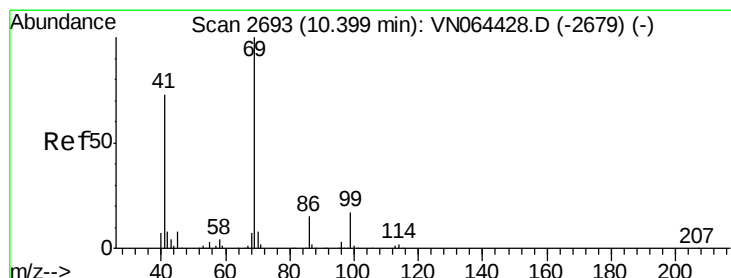
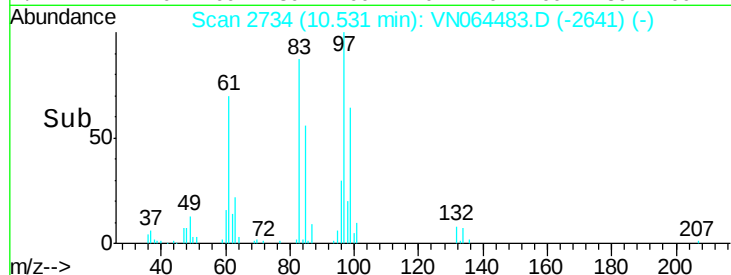
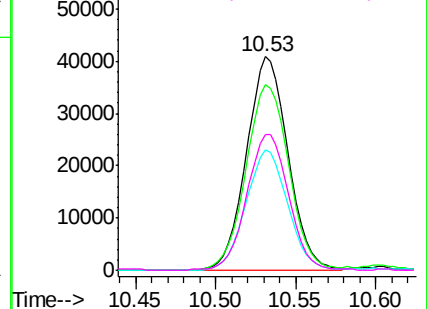
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 16.372 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

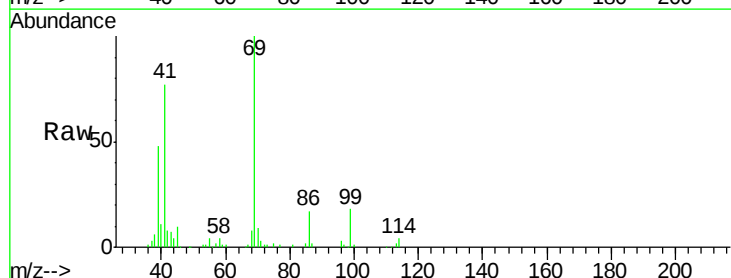
Tgt Ion: 69 Resp: 96009

Ion Ratio Lower Upper

69 100

41 76.1 59.3 88.9

39 47.4 35.4 53.0

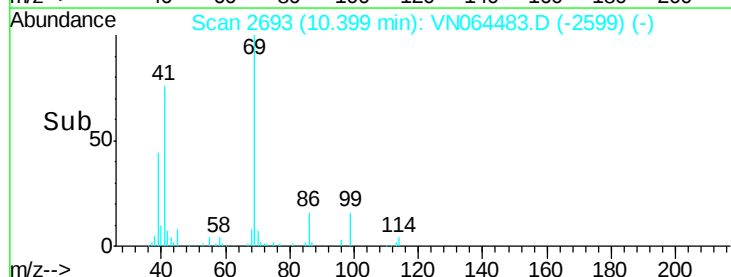
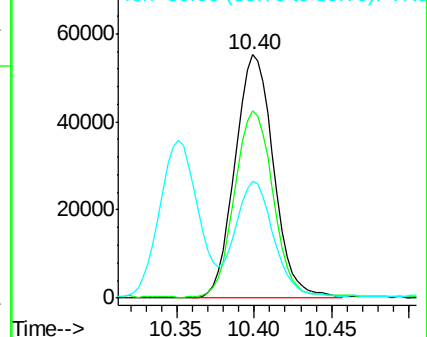


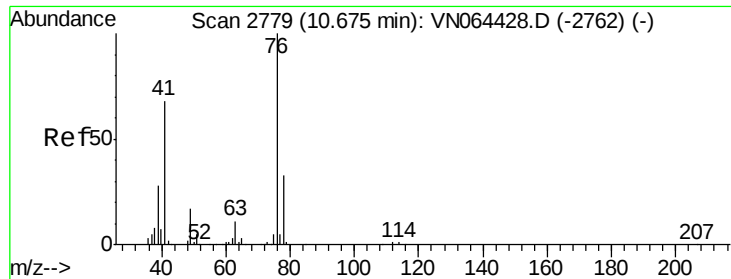
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 18.373 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

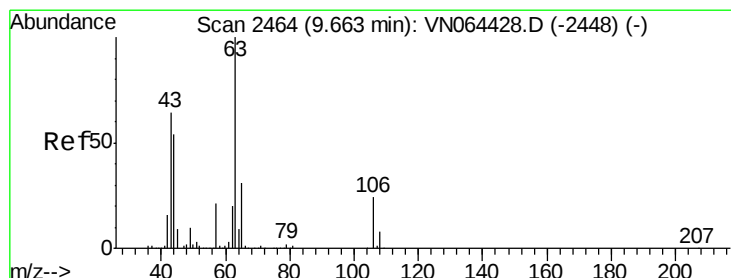
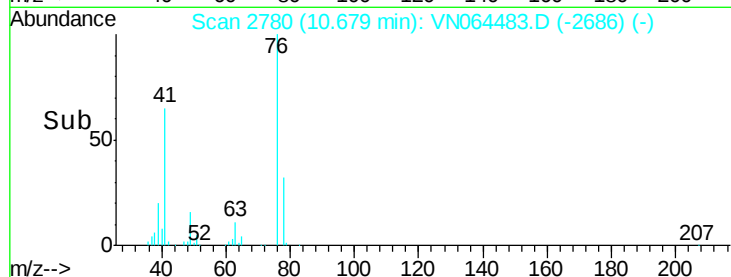
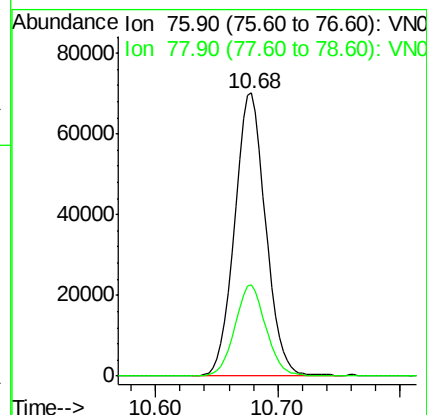
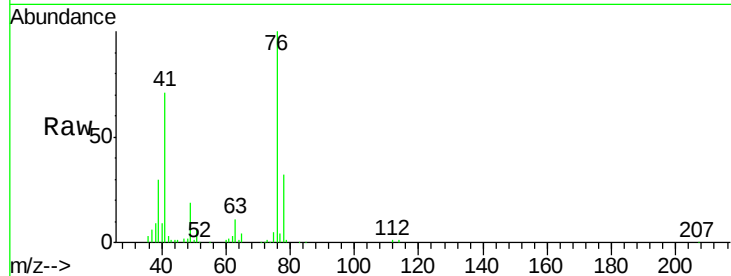
VN1106WBSD01

Tot Ion: 76 Resp: 124043

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 102.183 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064483.D

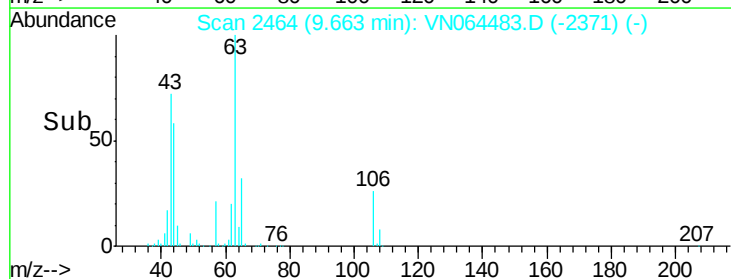
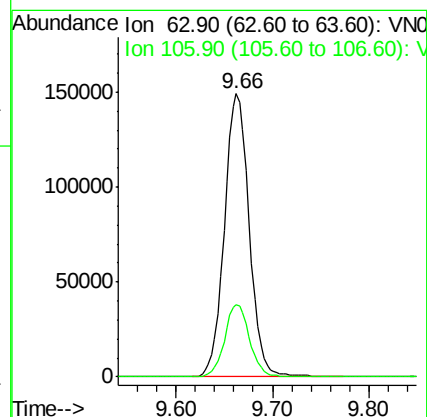
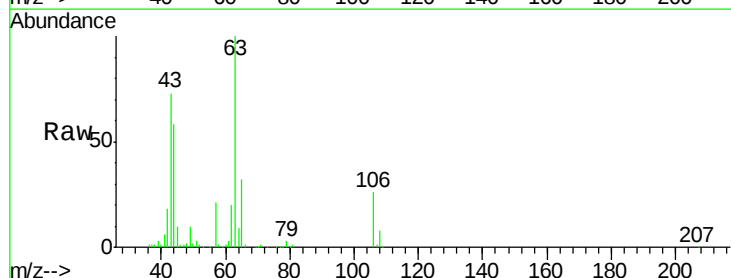
Acq: 6 Nov 2020 15:14

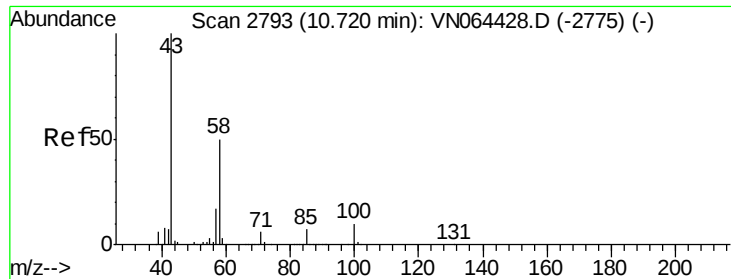
Tgt Ion: 63 Resp: 265372

Ion Ratio Lower Upper

63 100

106 25.6 19.5 29.3





#59

2-Hexanone

Concen: 84.739 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

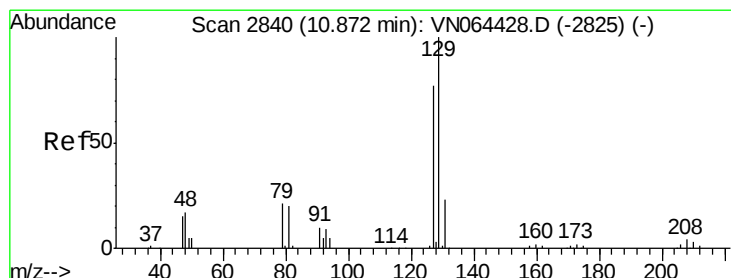
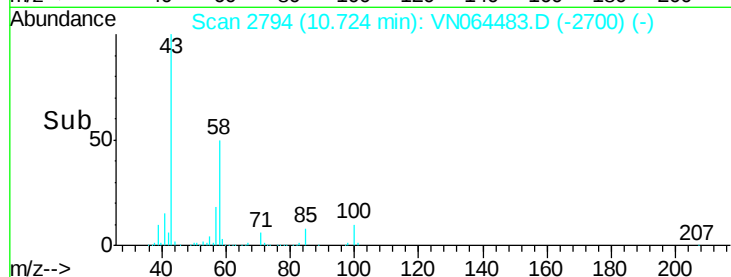
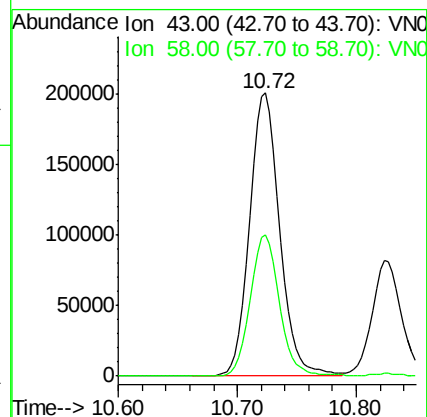
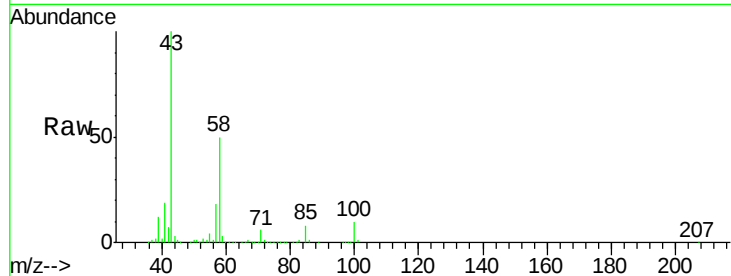
VN1106WBSD01

Tot Ion: 43 Resp: 349848

Ion Ratio Lower Upper

43 100

58 48.8 24.7 74.1



#60

Dibromochloromethane

Concen: 18.549 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064483.D

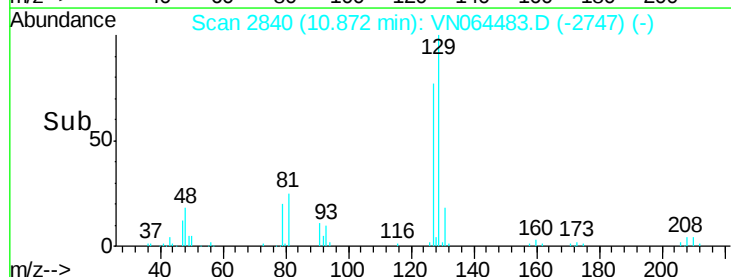
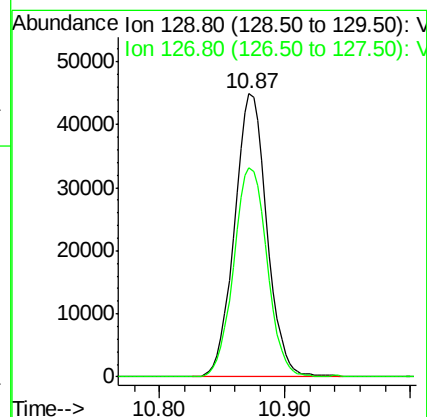
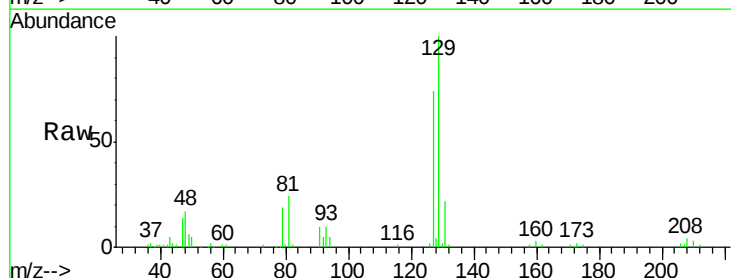
Acq: 6 Nov 2020 15:14

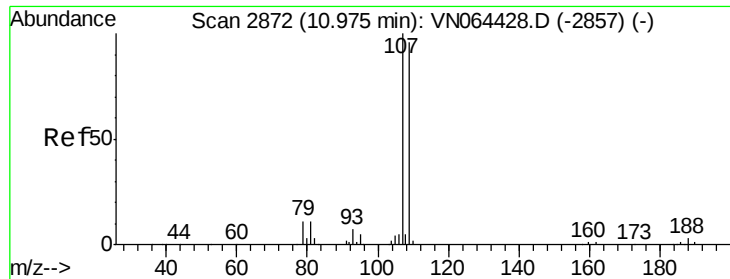
Tgt Ion: 129 Resp: 80328

Ion Ratio Lower Upper

129 100

127 76.3 38.9 116.7

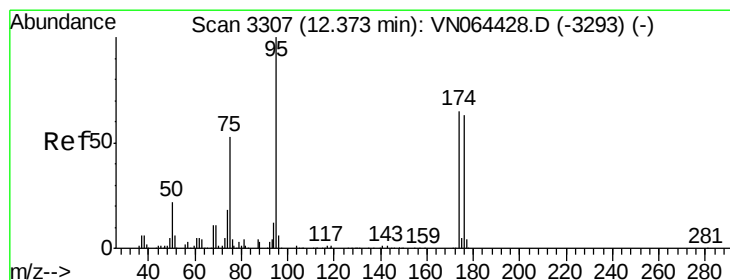
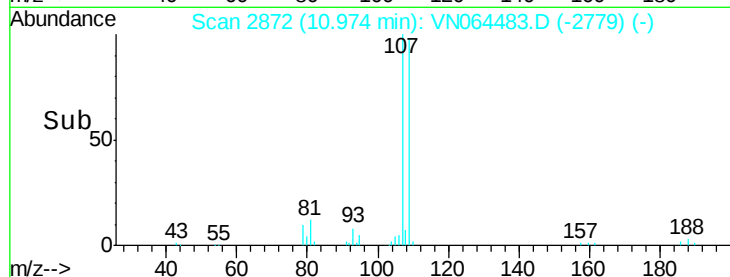
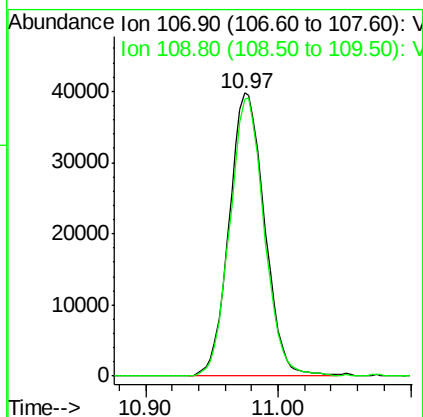
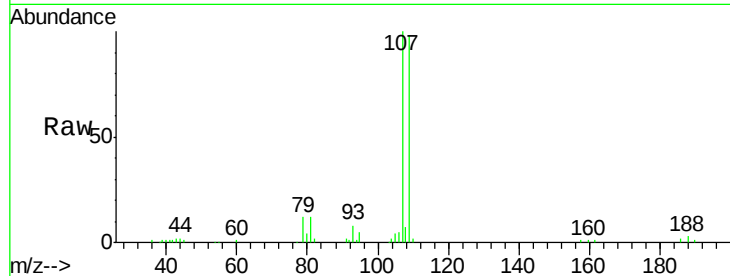




#61
 1,2-Dibromoethane
 Concen: 18.825 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

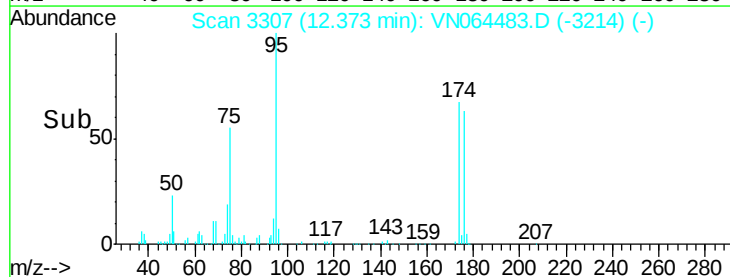
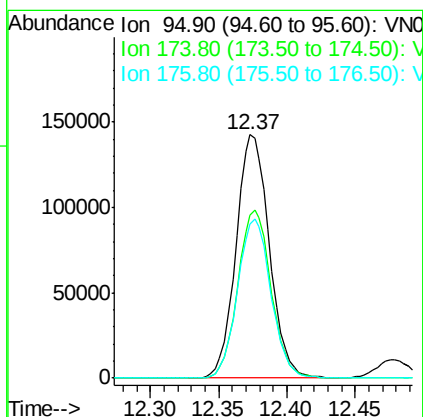
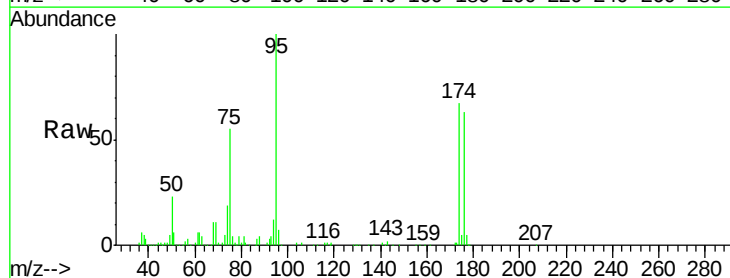
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

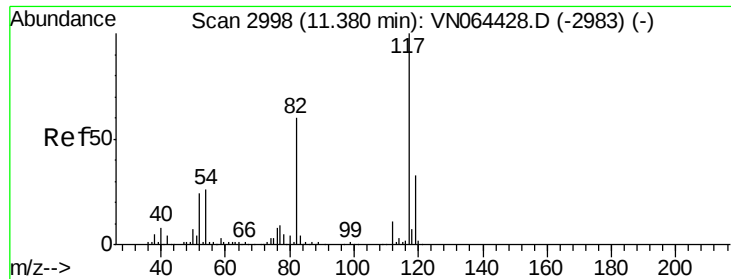
Tot Ion: 107 Resp: 73858
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.245 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion: 95 Resp: 241087
 Ion Ratio Lower Upper
 95 100
 174 69.1 0.0 132.6
 176 66.0 0.0 129.2

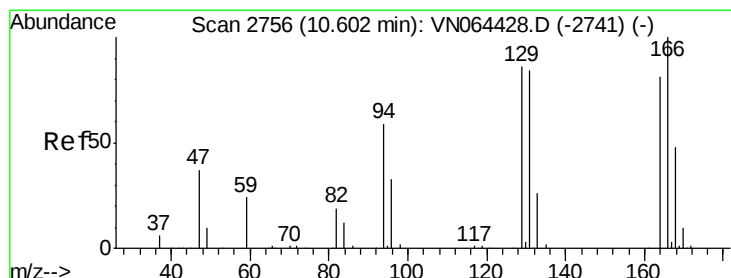
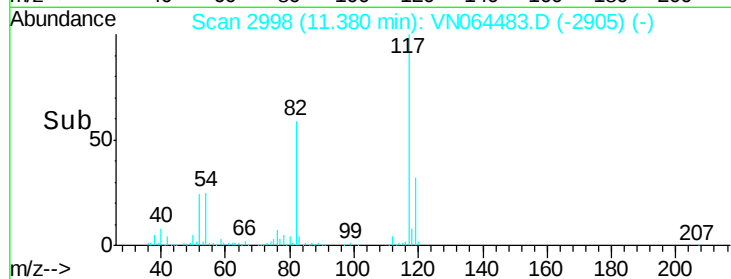
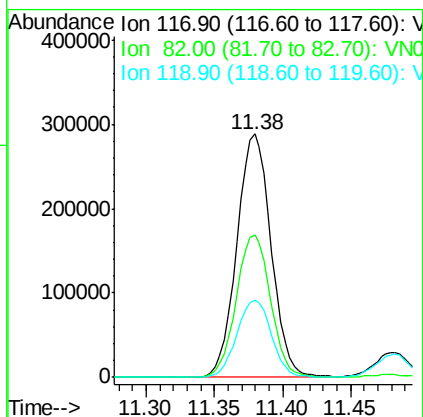
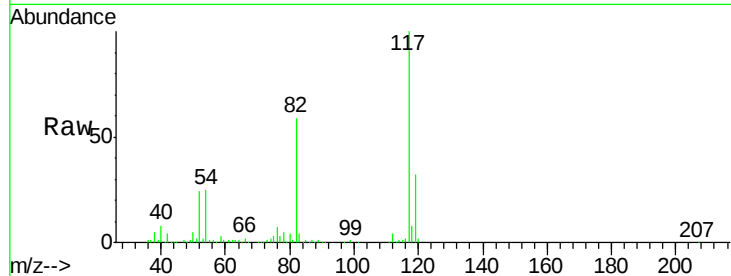




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

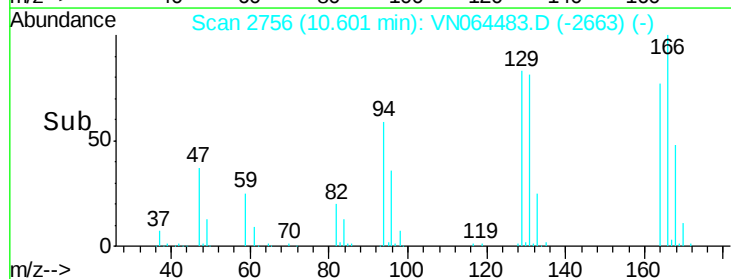
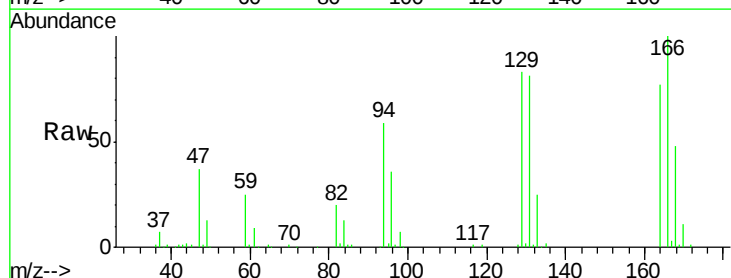
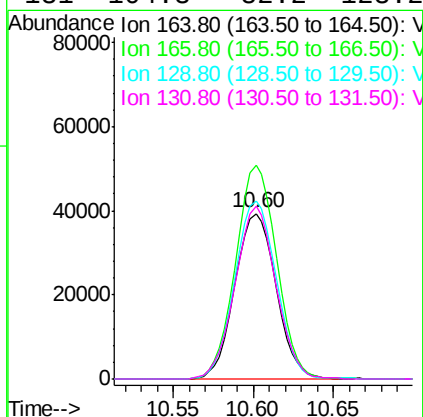
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

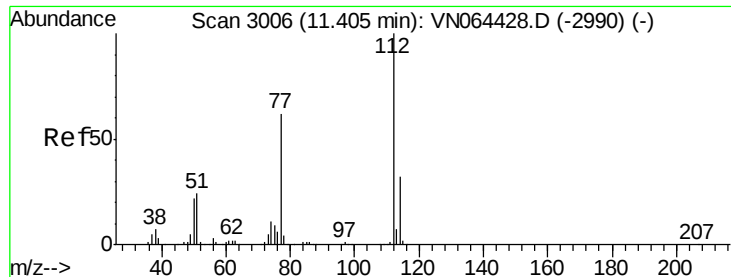
Tot Ion:117 Resp: 502677
Ion Ratio Lower Upper
117 100
82 58.6 48.1 72.1
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 17.820 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion:164 Resp: 69000
Ion Ratio Lower Upper
164 100
166 129.3 98.2 147.2
129 107.8 84.6 127.0
131 104.3 82.2 123.2

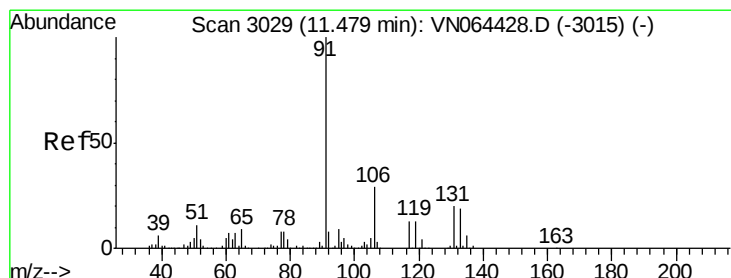
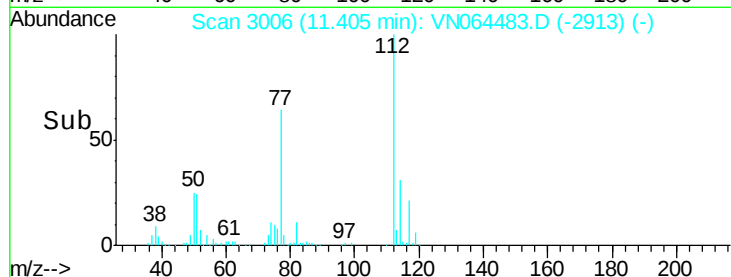
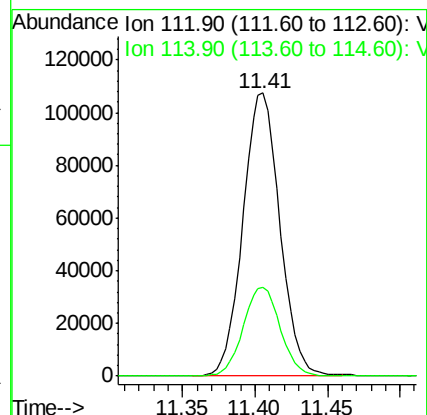
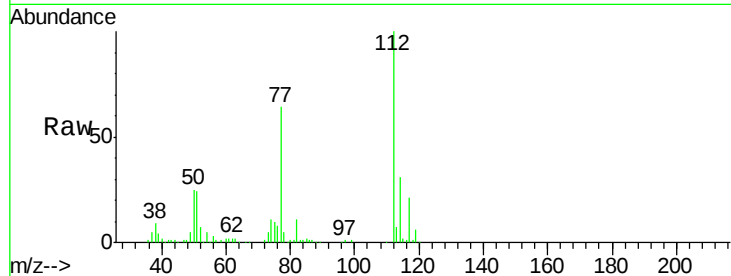




#65
Chlorobenzene
Concen: 17.304 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

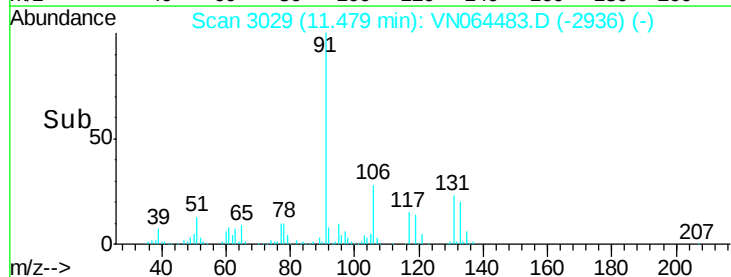
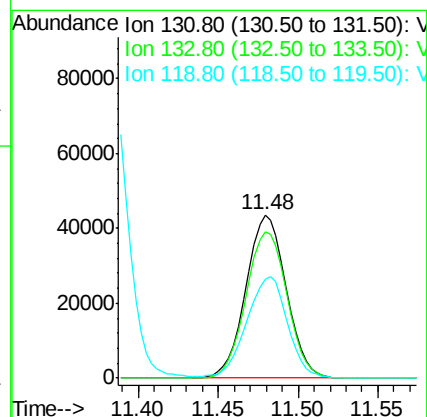
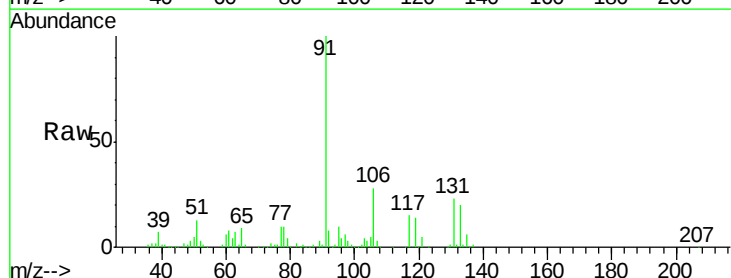
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

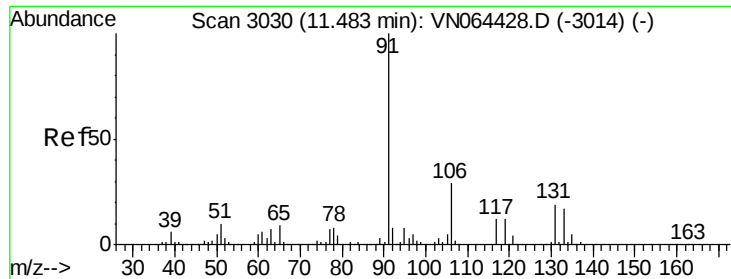
Tot Ion:112 Resp: 190683
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.192 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion:131 Resp: 74788
Ion Ratio Lower Upper
131 100
133 91.8 46.9 140.7
119 63.6 32.1 96.5

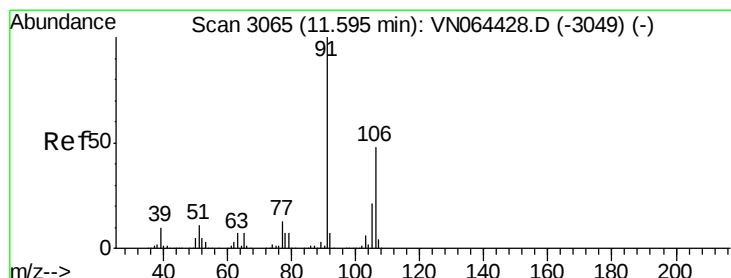
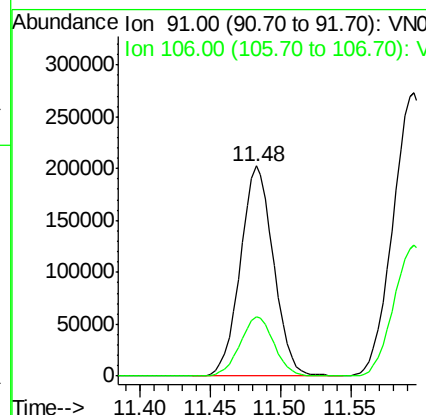
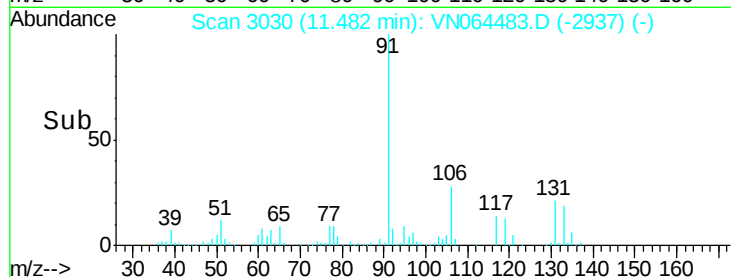
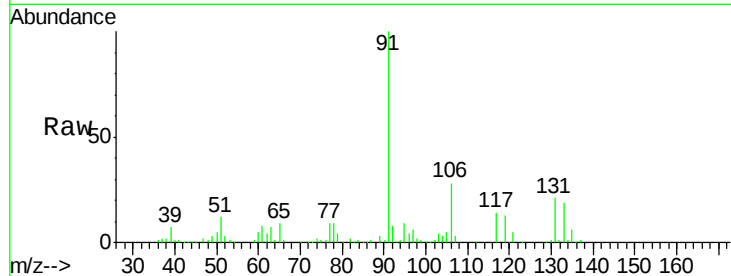




#67
Ethyl Benzene
Concen: 17.059 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

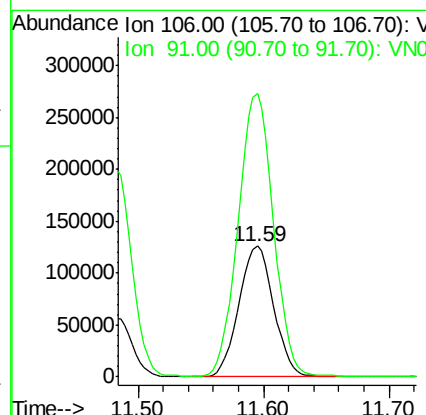
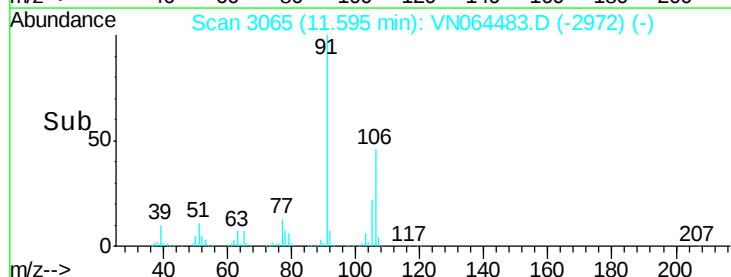
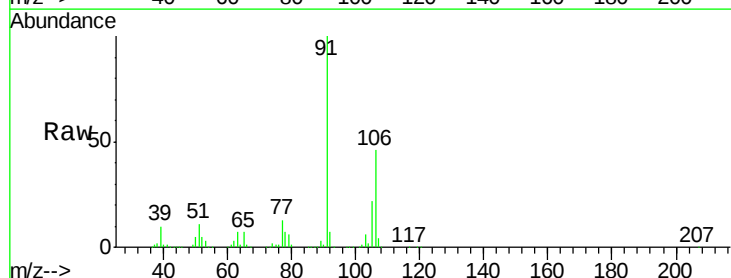
Instrument :
MSVOA_N
ClientSampled :
VN1106WBSD01

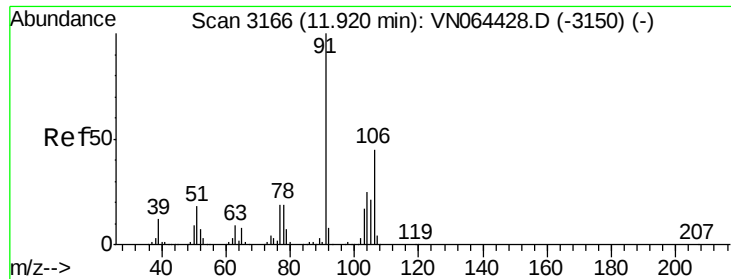
Tot Ion: 91 Resp: 334373
Ion Ratio Lower Upper
91 100
106 28.1 23.6 35.4



#68
m/p-Xylenes
Concen: 34.077 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion: 106 Resp: 242242
Ion Ratio Lower Upper
106 100
91 218.5 169.4 254.2

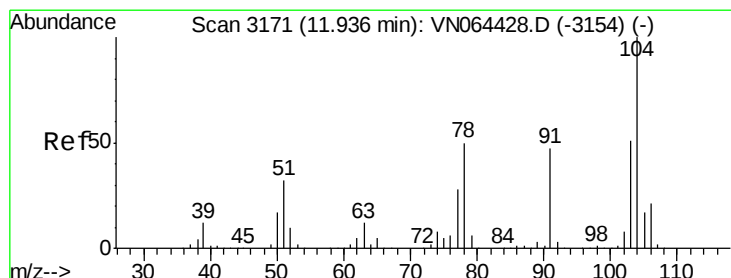
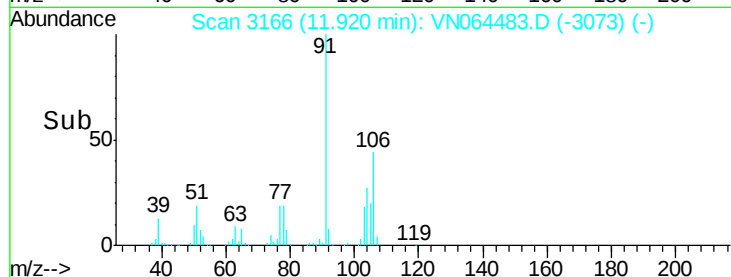
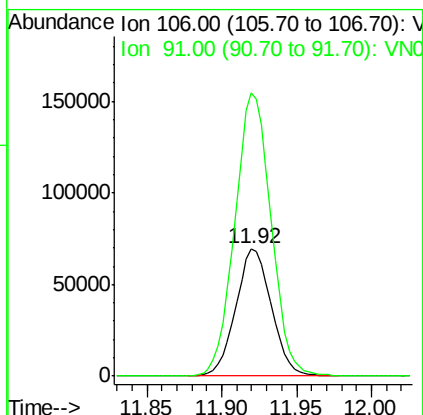
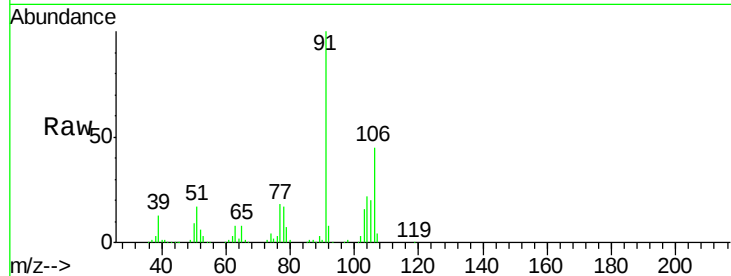




#69
o-Xylene
Concen: 16.797 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

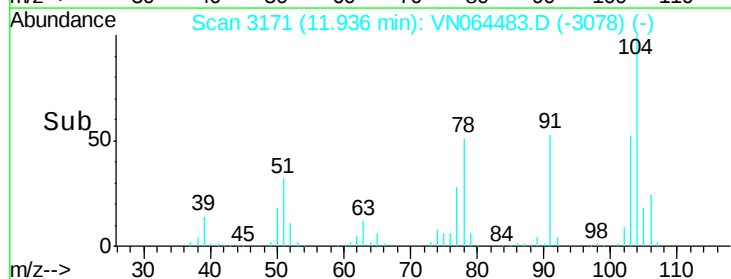
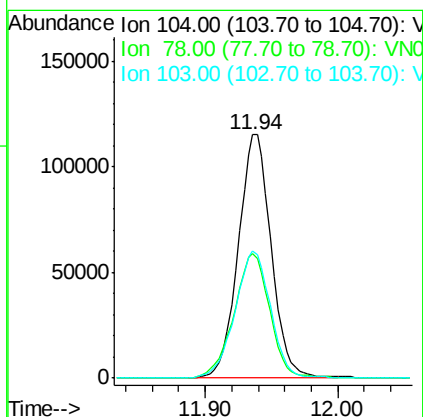
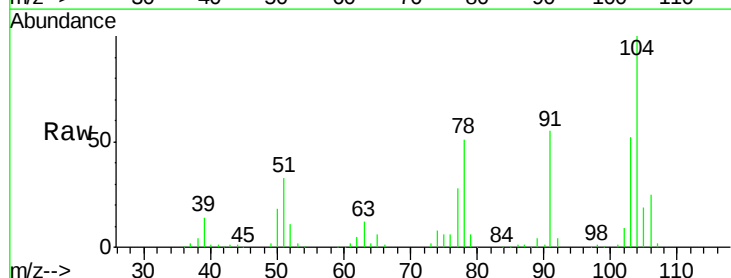
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD01

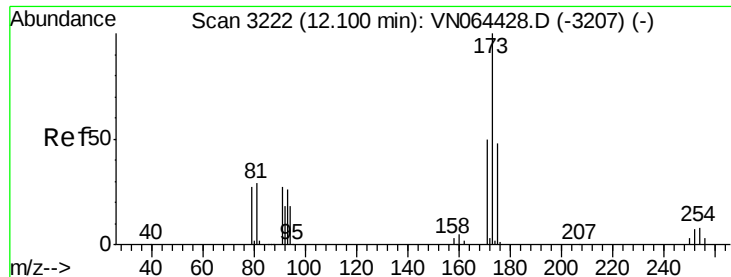
Tot Ion:106 Resp: 115379
Ion Ratio Lower Upper
106 100
91 226.7 111.7 334.9



#70
Styrene
Concen: 17.154 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion:104 Resp: 198285
Ion Ratio Lower Upper
104 100
78 55.8 44.0 66.0
103 56.5 43.8 65.6





#71

Bromoform

Concen: 16.860 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

VN1106WBSD01

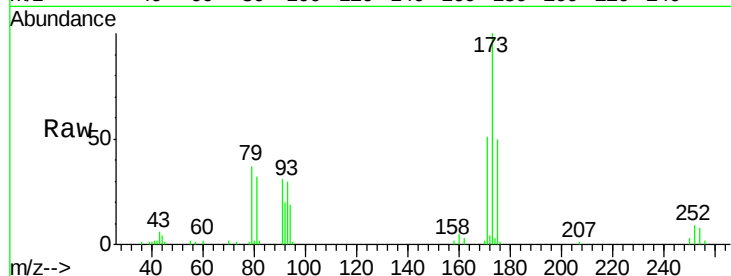
Tot Ion:173 Resp: 49368

Ion Ratio Lower Upper

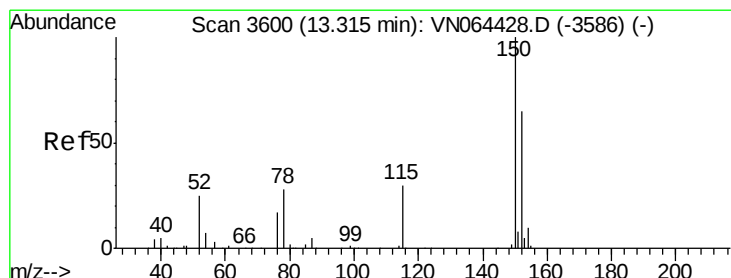
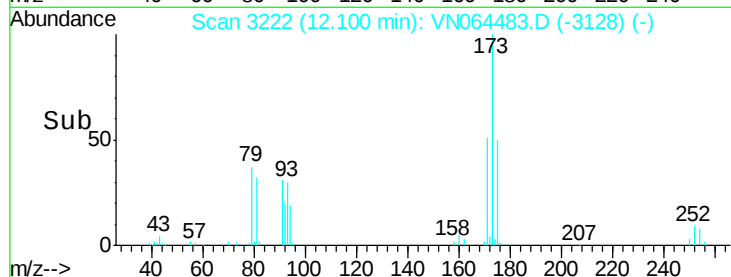
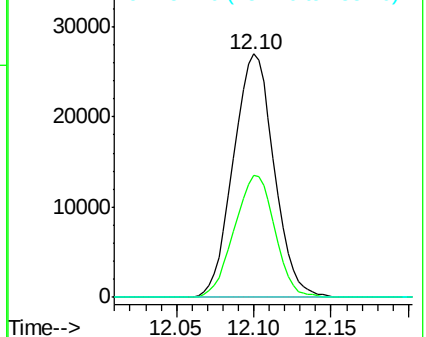
173 100

175 49.7 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: VN064483.D

Acq: 6 Nov 2020 15:14

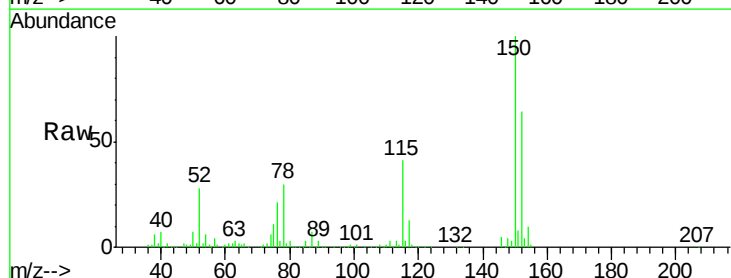
Tgt Ion:152 Resp: 222453

Ion Ratio Lower Upper

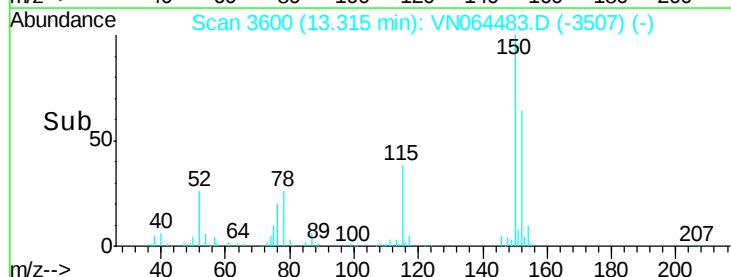
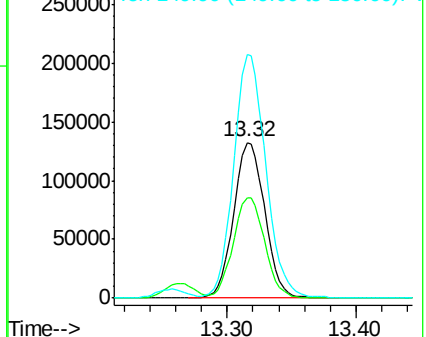
152 100

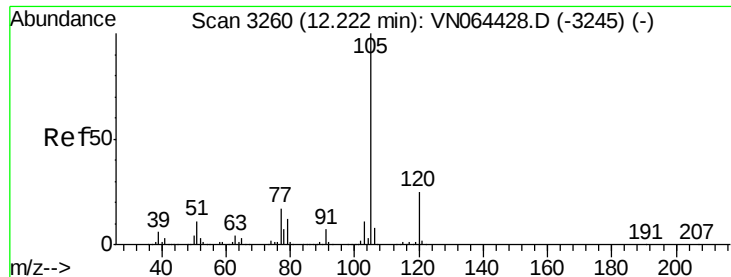
115 64.5 32.0 96.0

150 160.9 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: 17.318 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

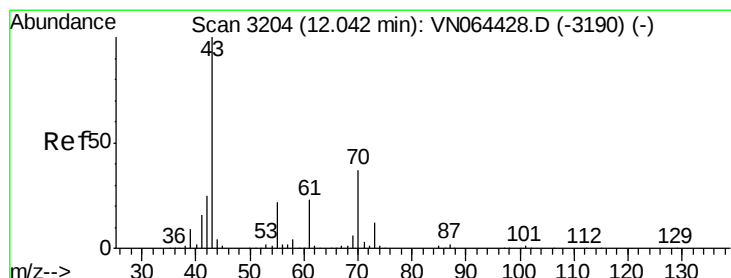
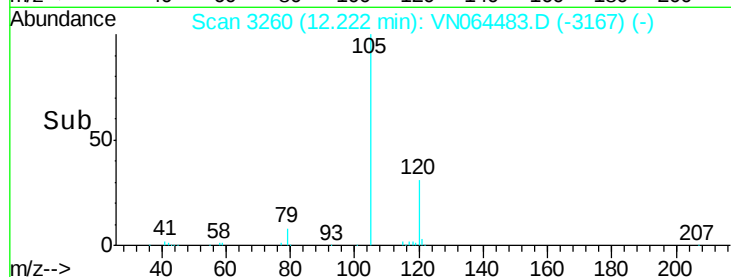
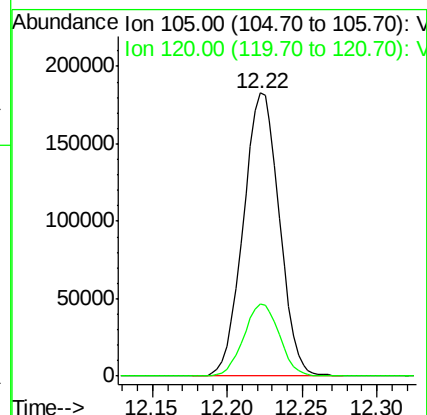
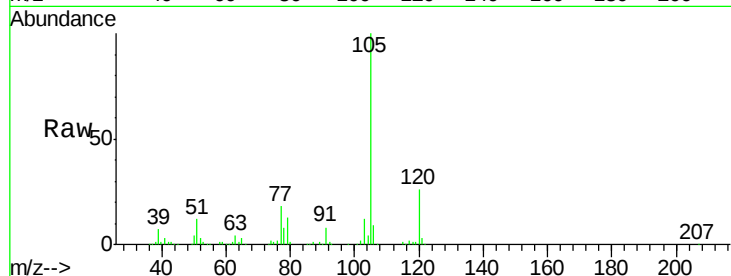
VN1106WBSD01

Tot Ion:105 Resp: 306201

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3



#74

N-ethyl acetate

Concen: 16.082 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Tgt Ion: 43 Resp: 130666

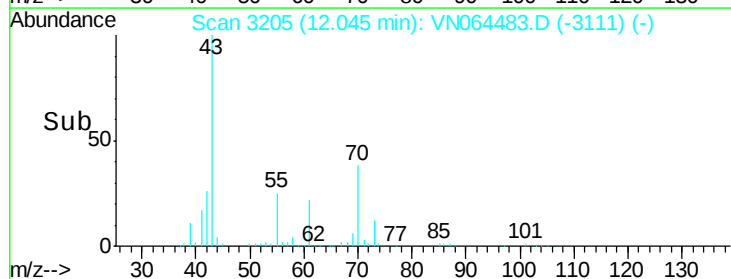
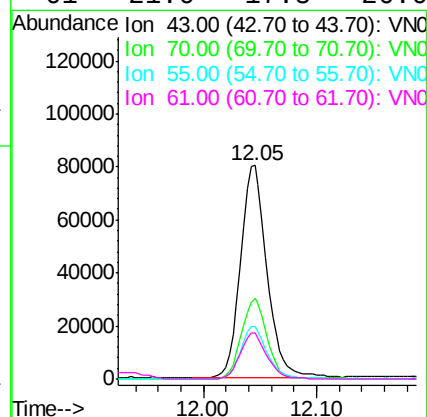
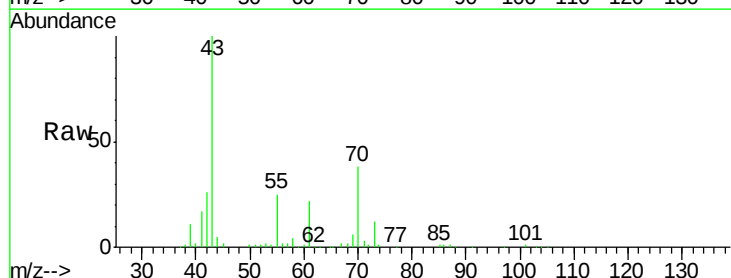
Ion Ratio Lower Upper

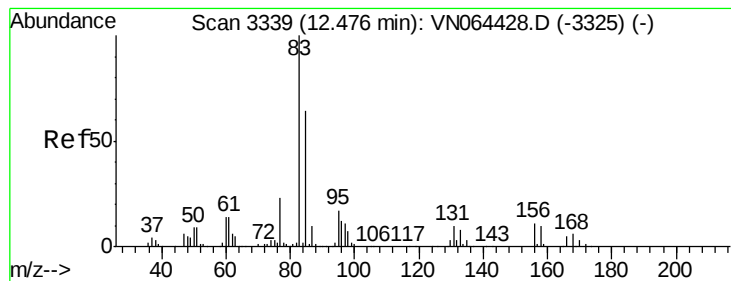
43 100

70 36.7 29.6 44.4

55 25.2 18.4 27.6

61 21.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.948 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

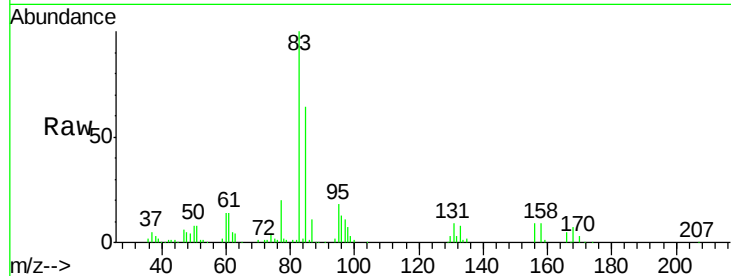
MSVOA_N

ClientSampleId :

VN1106WBSD01

Tot Ion: 83 Resp: 97473

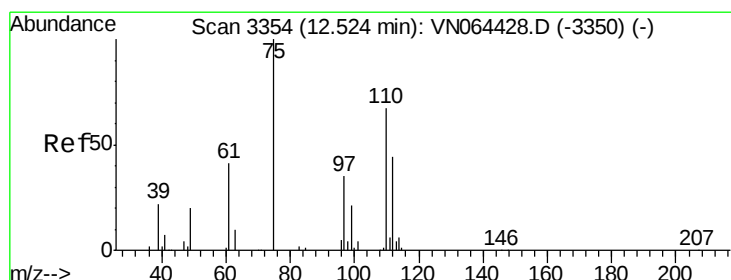
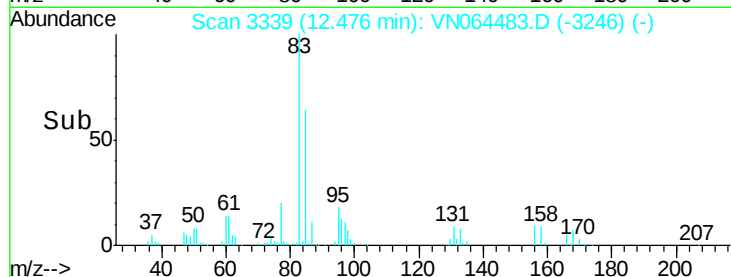
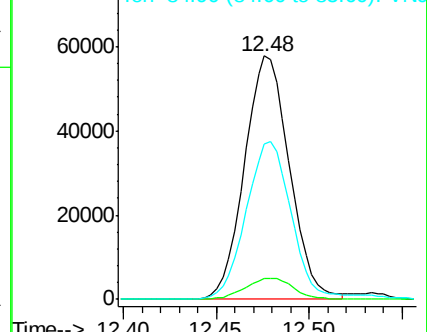
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	66.2	32.1	96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 24.808 ug/l

RT: 12.53 min Scan# 3355

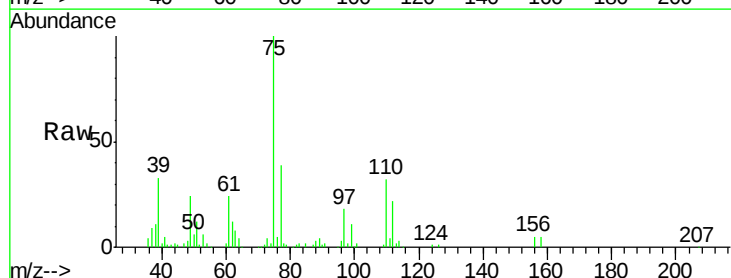
Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

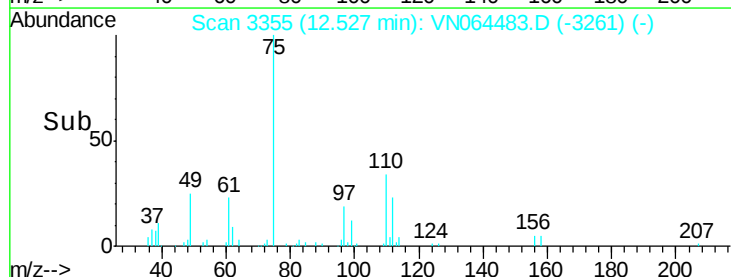
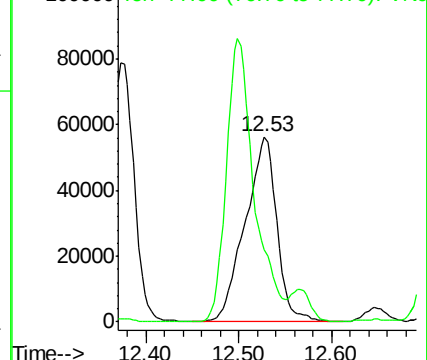
Tgt Ion: 75 Resp: 133712

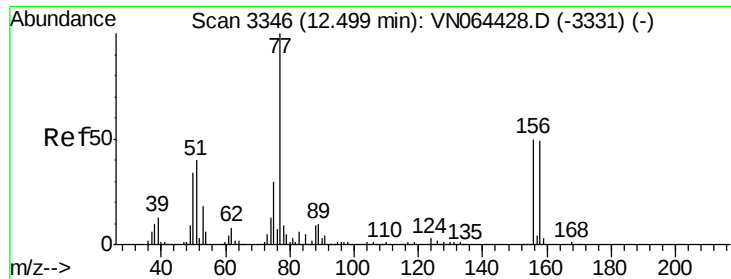
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.394 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

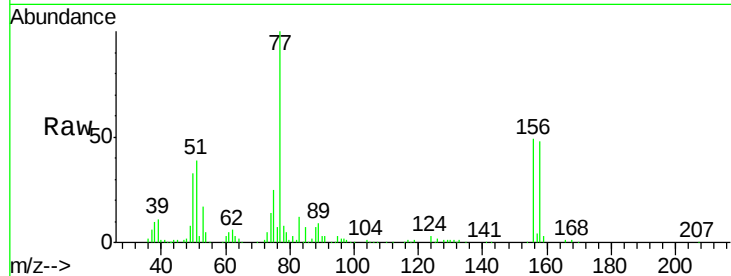
Tot Ion:156 Resp: 75087

Ion Ratio Lower Upper

156 100

77 238.9 119.0 357.0

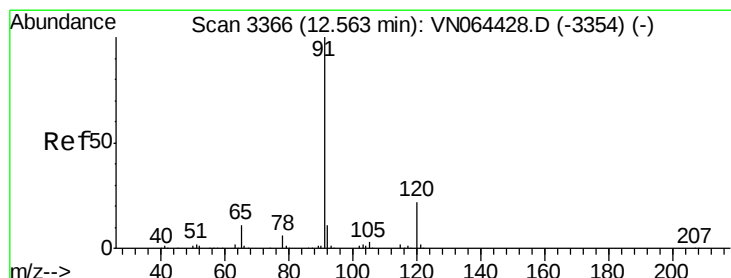
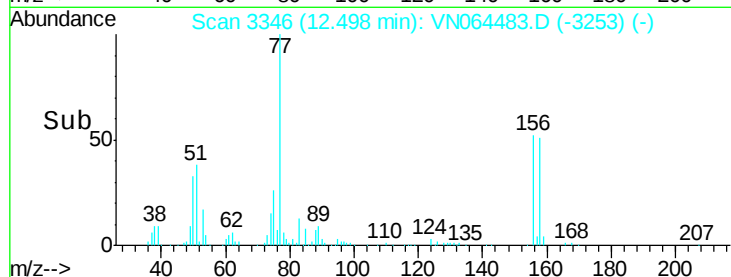
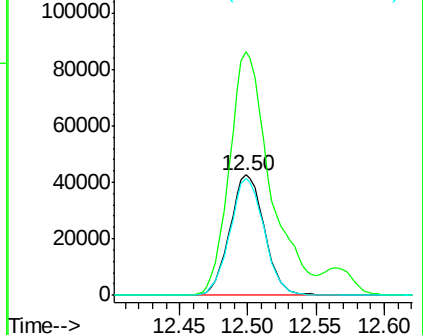
158 95.7 48.4 145.3



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: 17.449 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064483.D

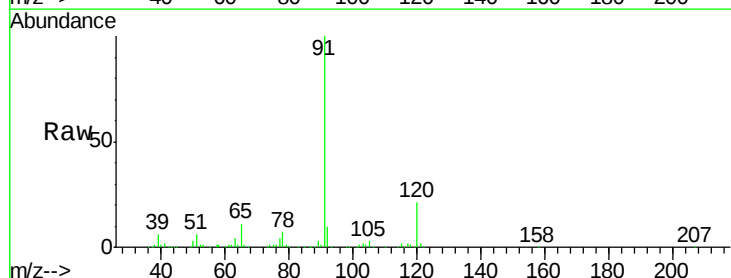
Acq: 6 Nov 2020 15:14

Tgt Ion: 91 Resp: 351728

Ion Ratio Lower Upper

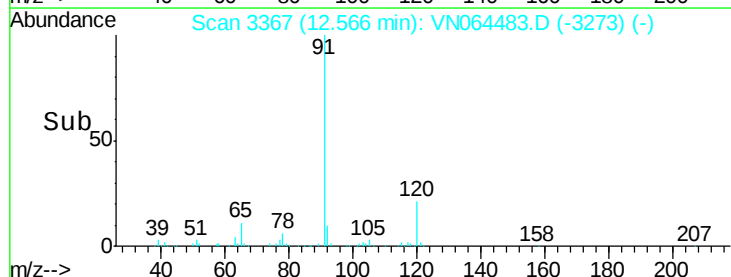
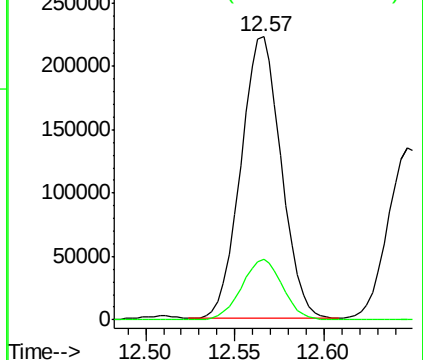
91 100

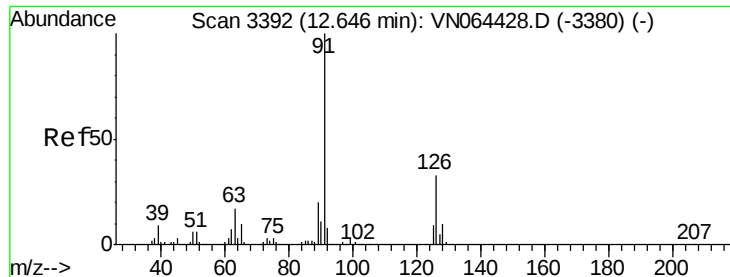
120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.606 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

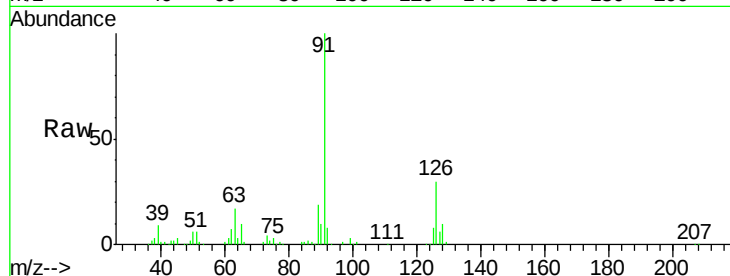
VN1106WBSD01

Tot Ion: 91 Resp: 225099

Ion Ratio Lower Upper

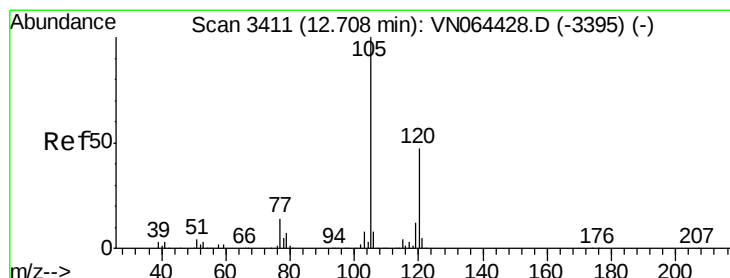
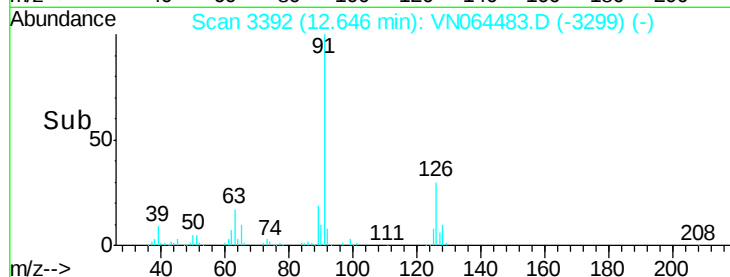
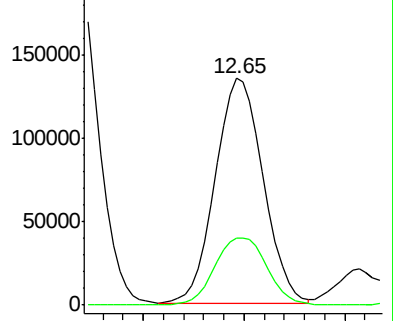
91 100

126 32.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN064483.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064483.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.583 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064483.D

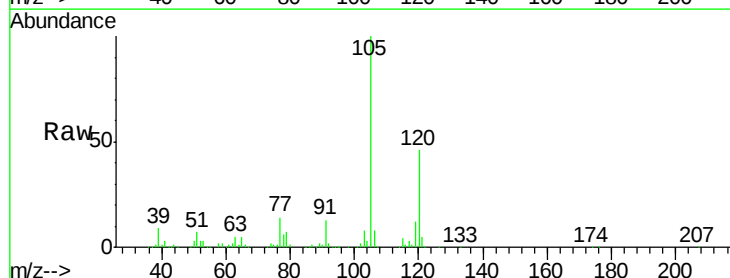
Acq: 6 Nov 2020 15:14

Tgt Ion: 105 Resp: 256473

Ion Ratio Lower Upper

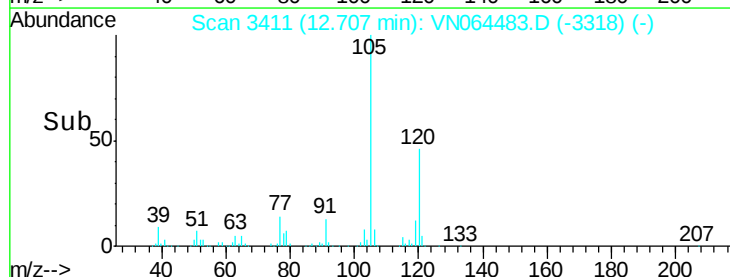
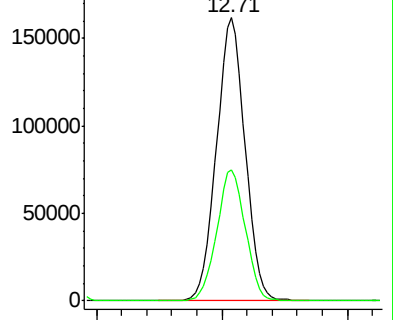
105 100

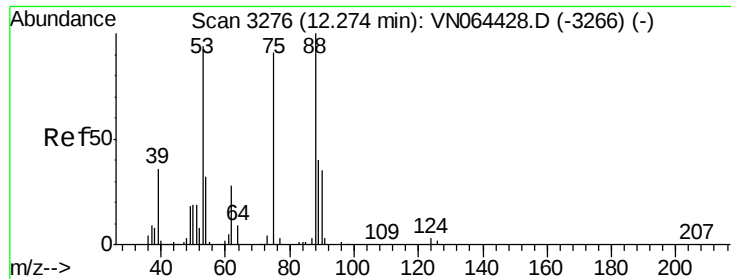
120 46.2 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064483.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064483.D (-3411) (-)

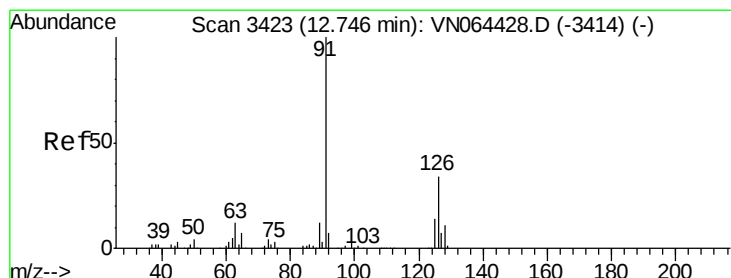
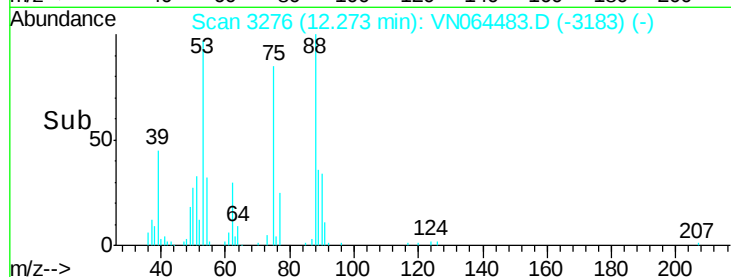
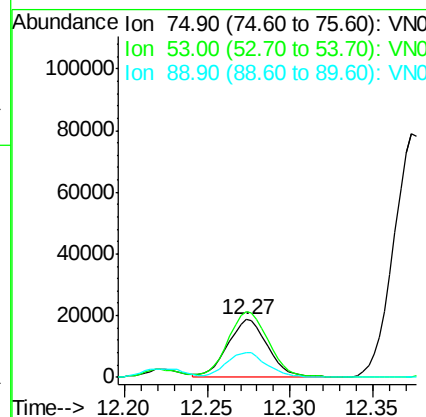
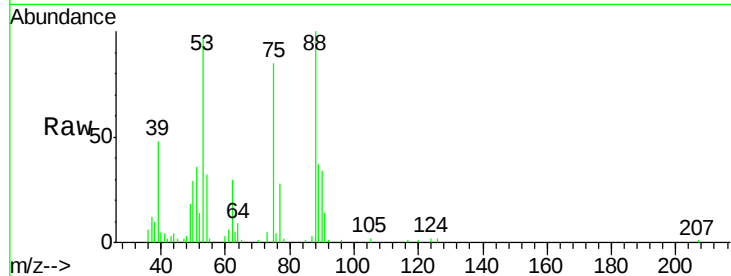




#81
trans-1,4-Dichloro-2-butene
Concen: 16.475 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

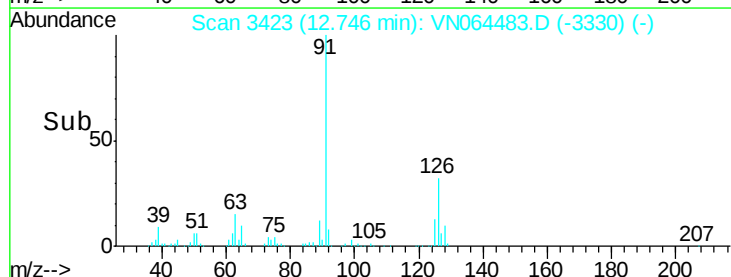
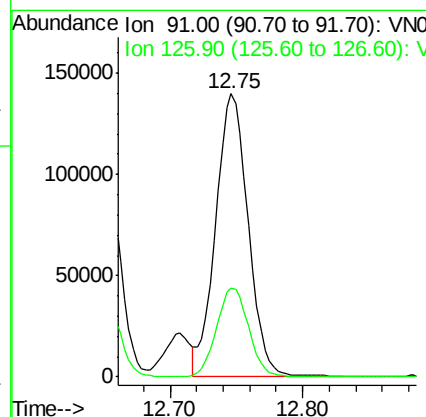
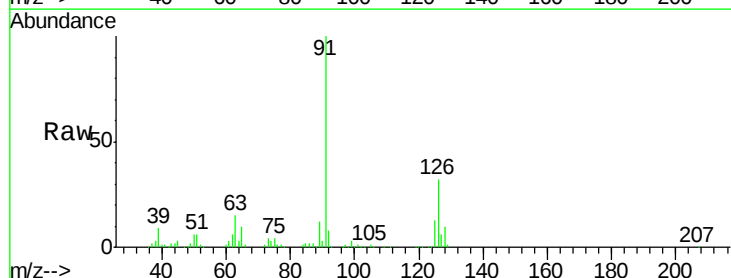
Instrument :
MSVOA_N
ClientSampled :
VN1106WBSD01

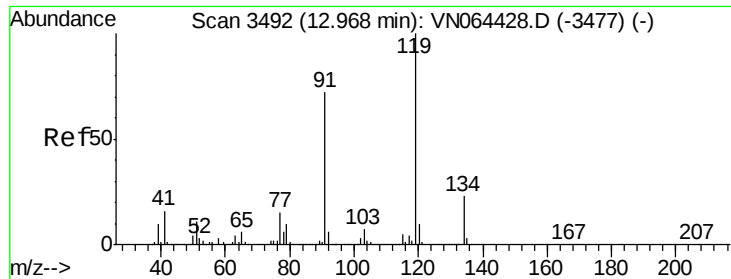
Tot Ion: 75 Resp: 31803
Ion Ratio Lower Upper
75 100
53 114.9 84.0 126.0
89 44.2 36.3 54.5



#82
4-Chlorotoluene
Concen: 17.643 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064483.D
Acq: 6 Nov 2020 15:14

Tgt Ion: 91 Resp: 236227
Ion Ratio Lower Upper
91 100
126 31.5 15.4 46.2

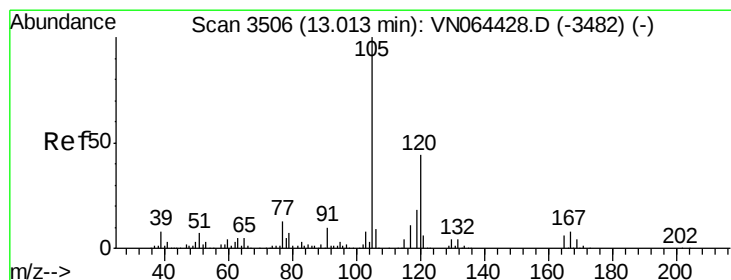
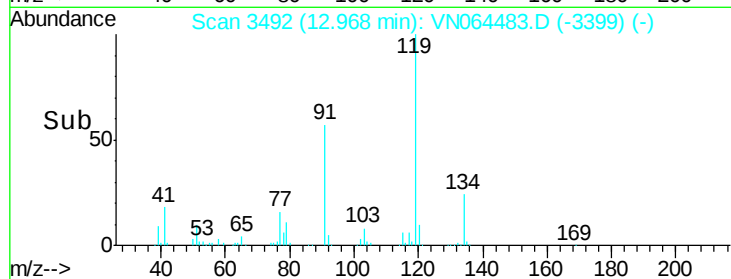
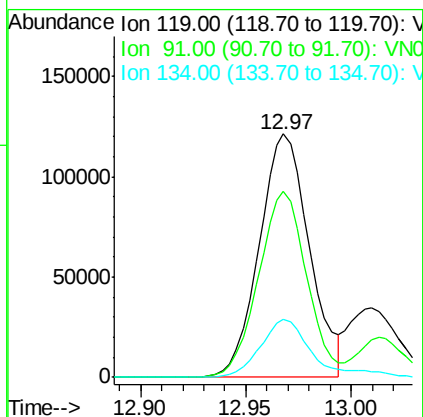
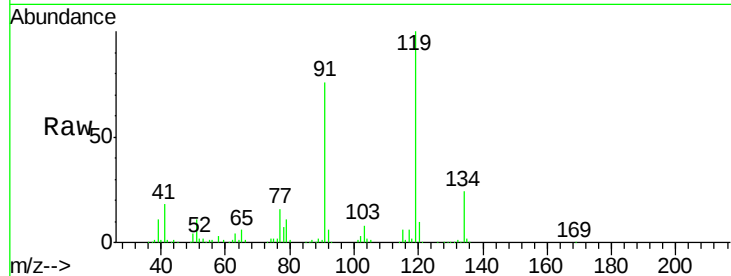




#83
 tert-Butylbenzene
 Concen: 17.603 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

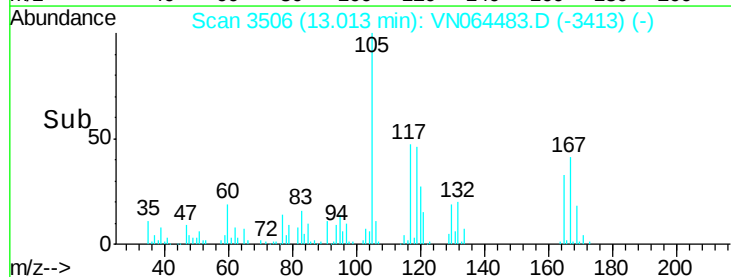
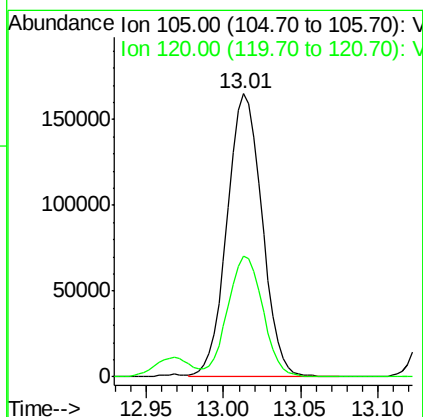
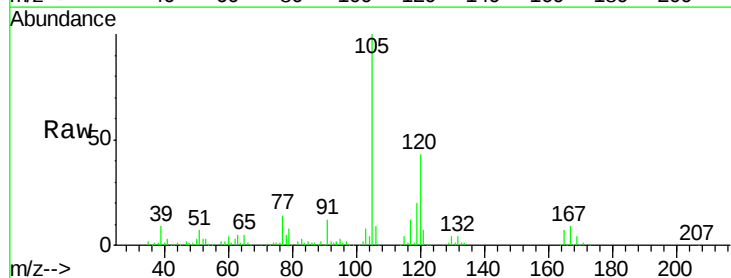
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

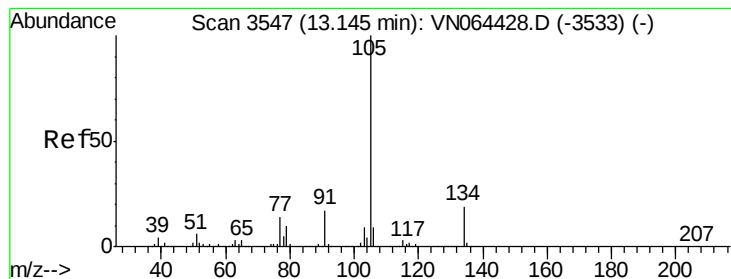
Tot Ion:119 Resp: 200541
 Ion Ratio Lower Upper
 119 100
 91 72.7 36.1 108.3
 134 24.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 17.527 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion:105 Resp: 257011
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 18.046 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

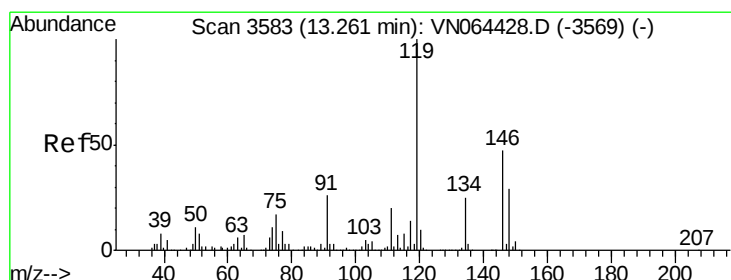
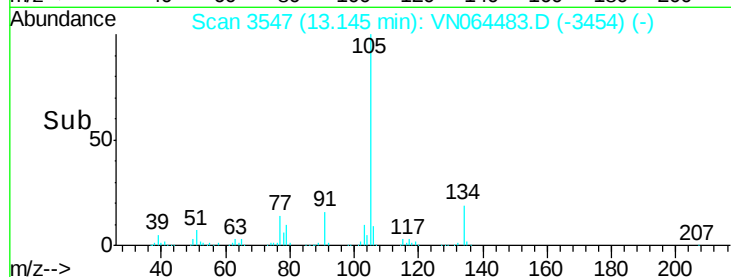
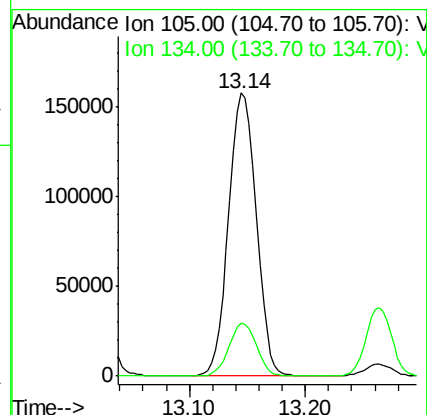
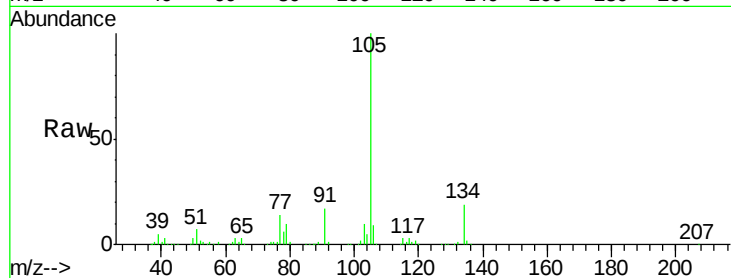
VN1106WBSD01

Tot Ion:105 Resp: 260375

Ion Ratio Lower Upper

105 100

134 18.5 9.4 28.2



#86

p-Isopropyltoluene

Concen: 17.912 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

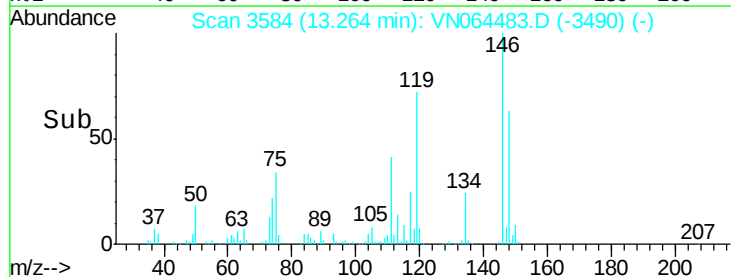
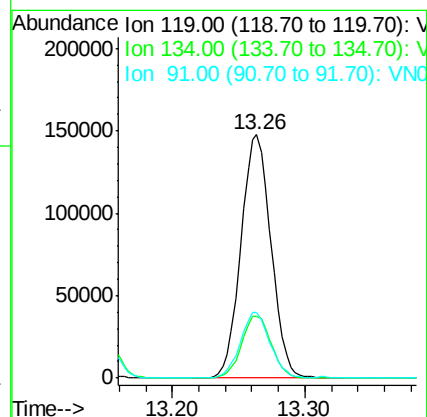
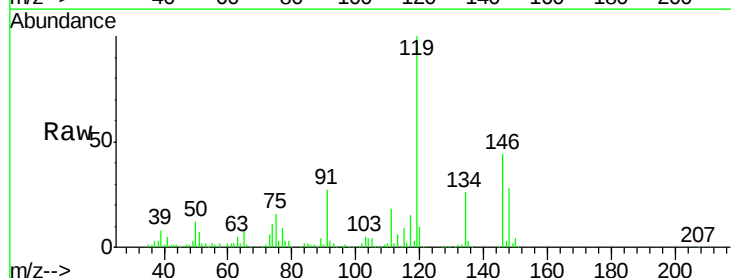
Tgt Ion:119 Resp: 232462

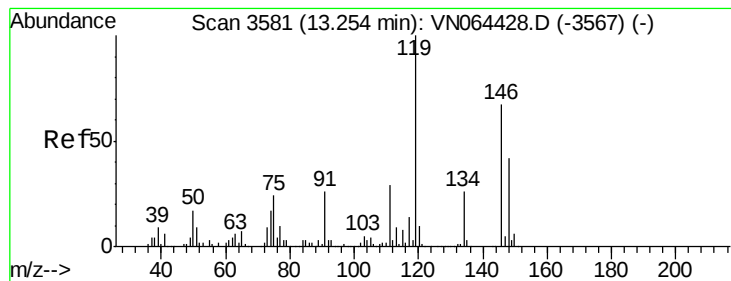
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 26.4 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 17.820 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

VN1106WBSD01

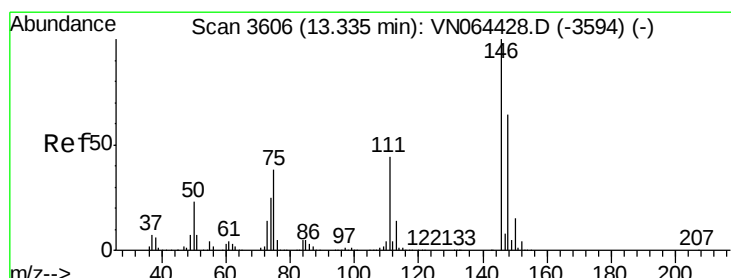
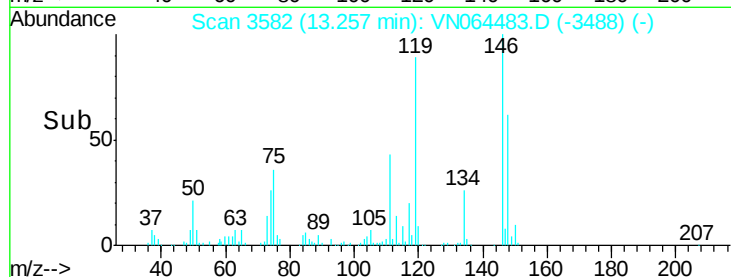
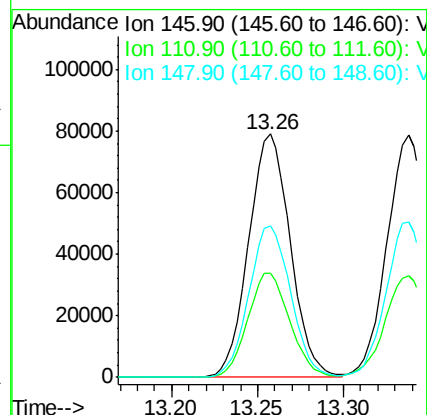
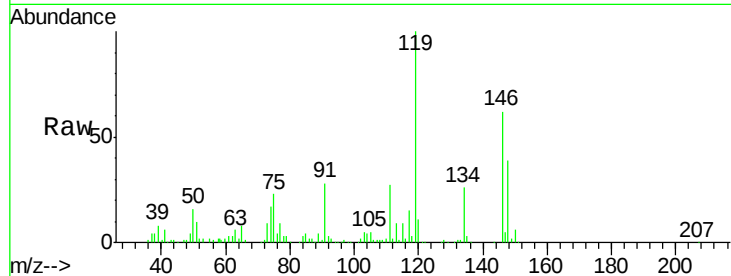
Tot Ion:146 Resp: 132973

Ion Ratio Lower Upper

146 100

111 43.2 22.1 66.1

148 62.8 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 17.225 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

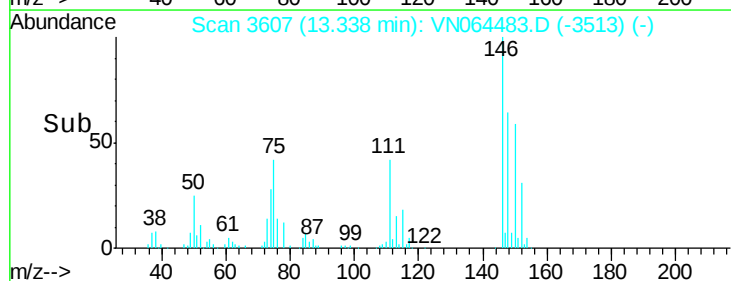
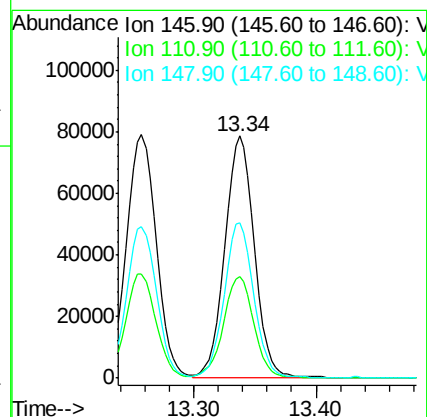
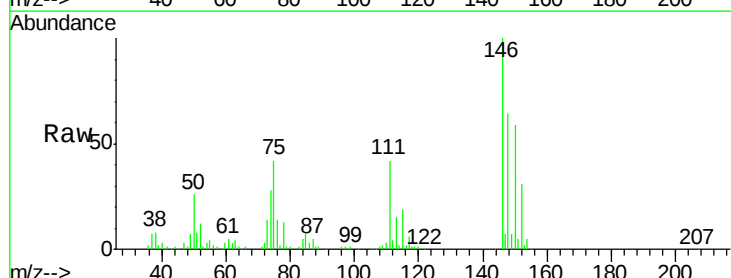
Tgt Ion:146 Resp: 132828

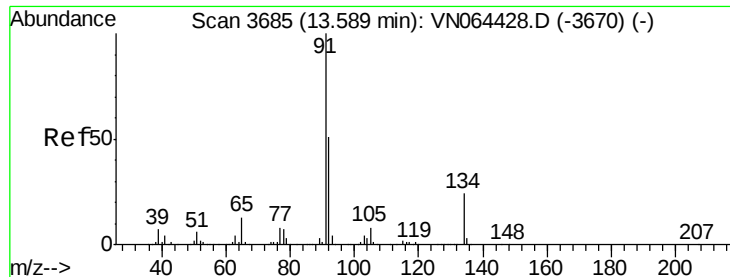
Ion Ratio Lower Upper

146 100

111 43.9 21.8 65.3

148 65.1 32.4 97.2





#89

n-Butylbenzene

Concen: 17.594 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

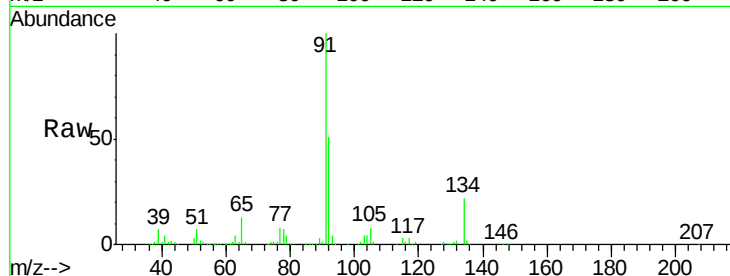
Tot Ion: 91 Resp: 196316

Ion Ratio Lower Upper

91 100

92 49.8 25.3 75.9

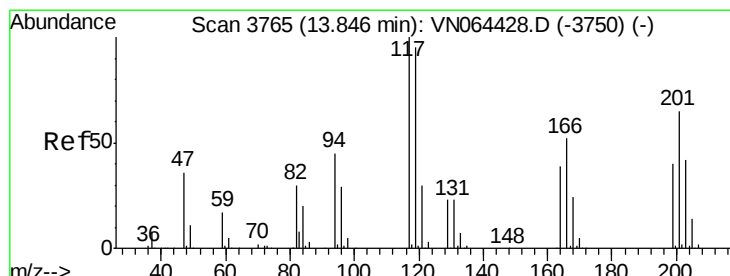
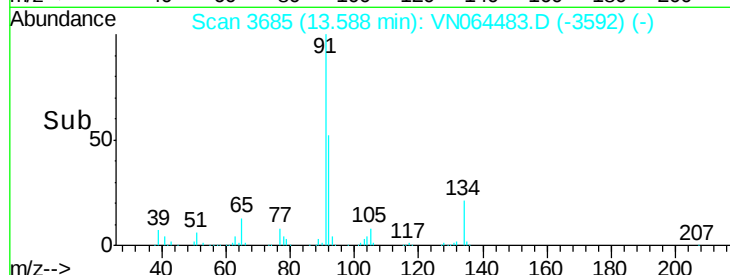
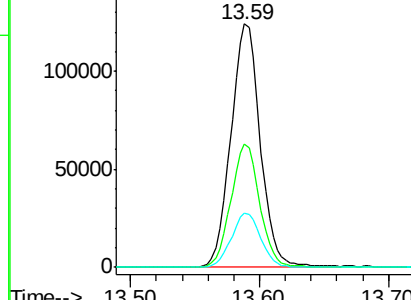
134 22.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN064483.D (-3685) (-)

Ion 92.00 (91.70 to 92.70): VN064483.D (-3685) (-)

Ion 134.00 (133.70 to 134.70): VN064483.D (-3685) (-)



#90

Hexachloroethane

Concen: 18.193 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064483.D

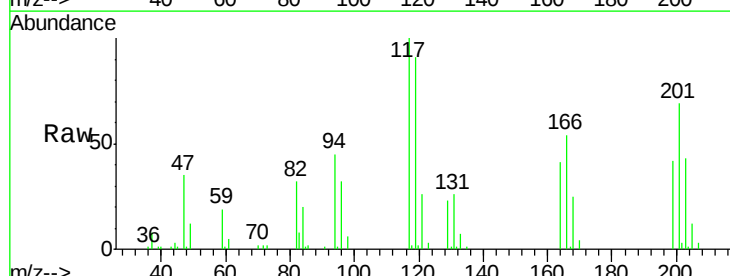
Acq: 6 Nov 2020 15:14

Tgt Ion: 117 Resp: 45545

Ion Ratio Lower Upper

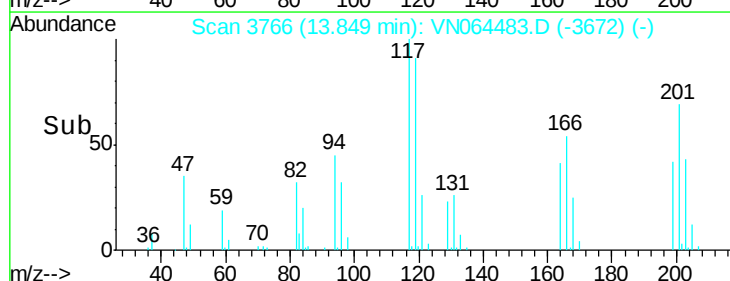
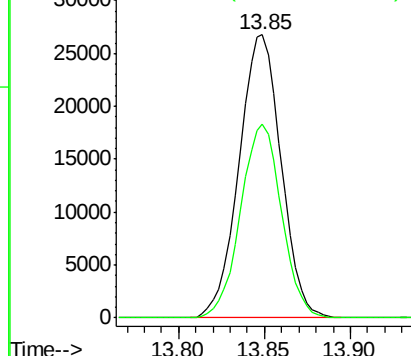
117 100

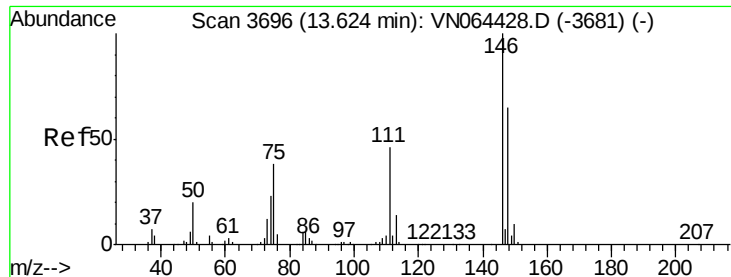
201 66.6 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): VN064483.D (-3765) (-)

Ion 200.70 (200.40 to 201.40): VN064483.D (-3765) (-)

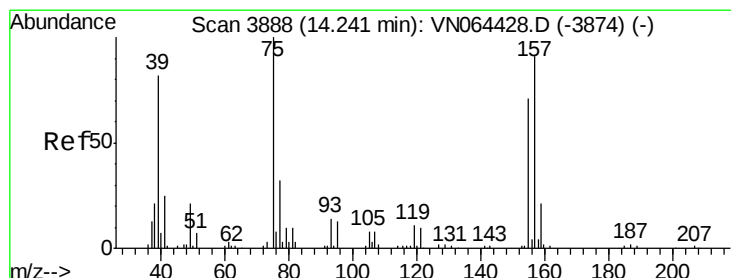
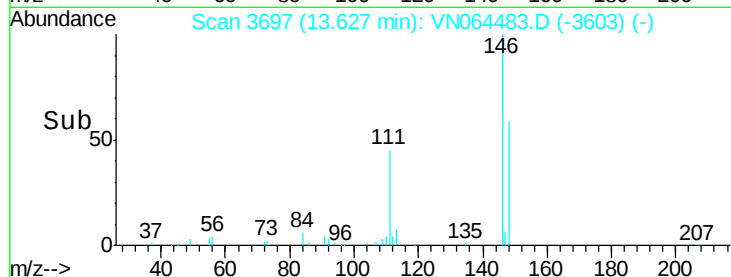
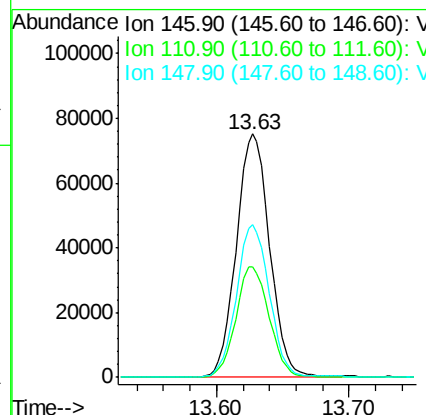
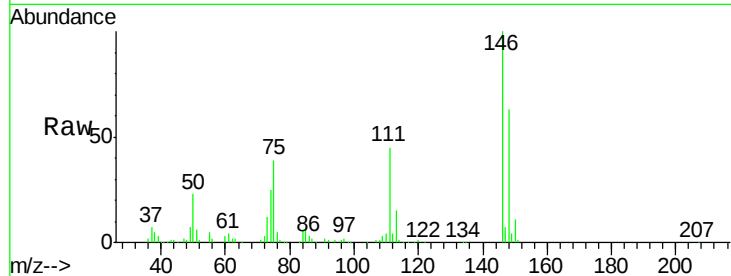




#91
 1,2-Dichlorobenzene
 Concen: 18.314 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

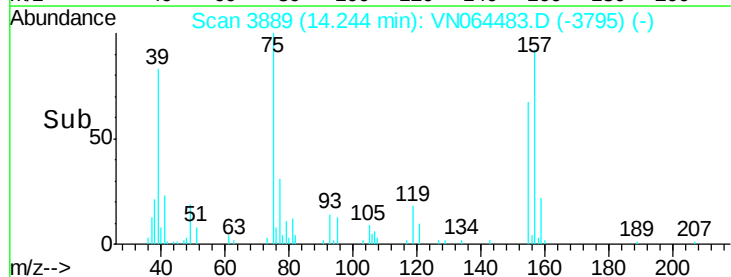
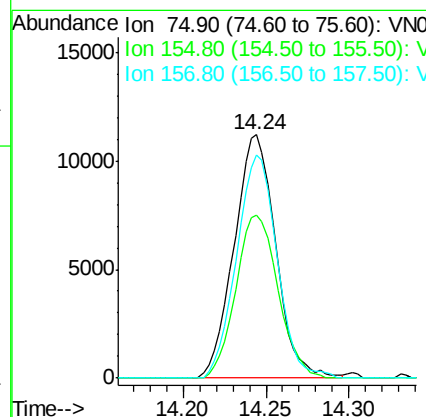
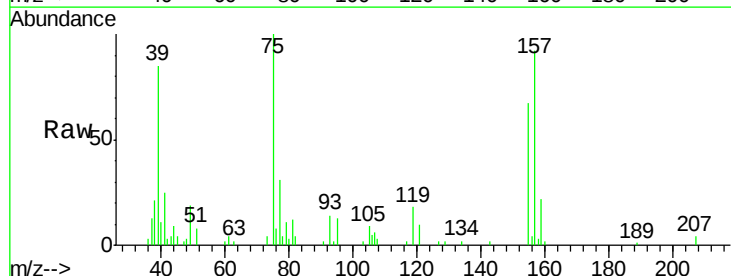
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

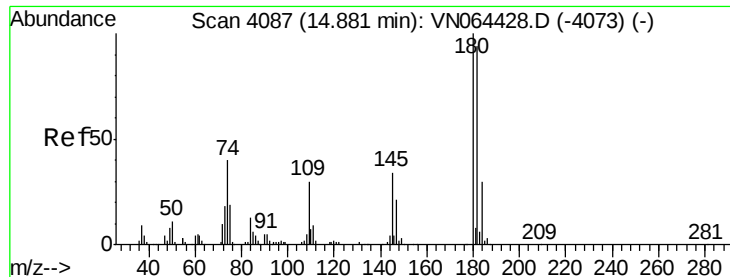
Tot Ion:146 Resp: 131454
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.9 68.7
 148 61.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.132 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion: 75 Resp: 19606
 Ion Ratio Lower Upper
 75 100
 155 67.6 34.6 103.9
 157 89.1 43.0 128.8

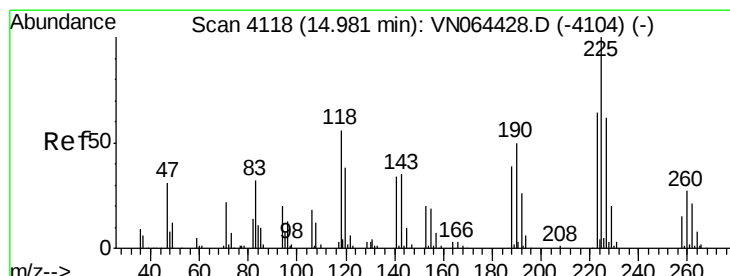
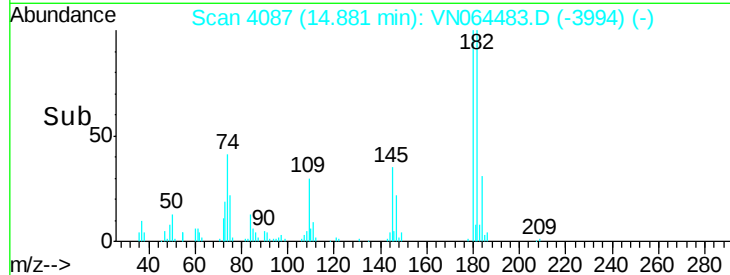
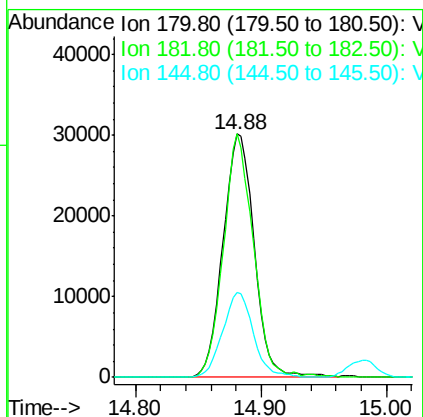
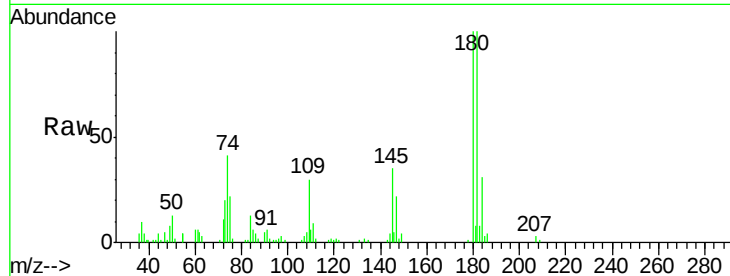




#93
 1,2,4-Trichlorobenzene
 Concen: 16.433 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

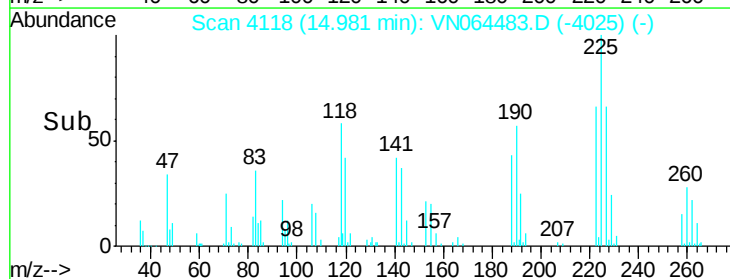
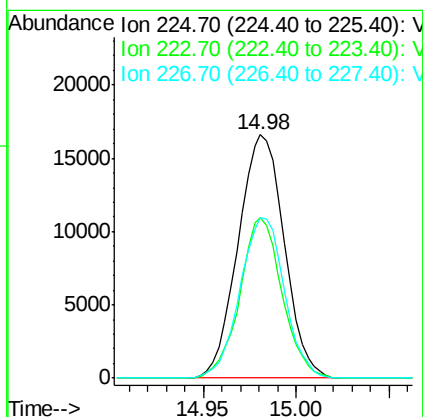
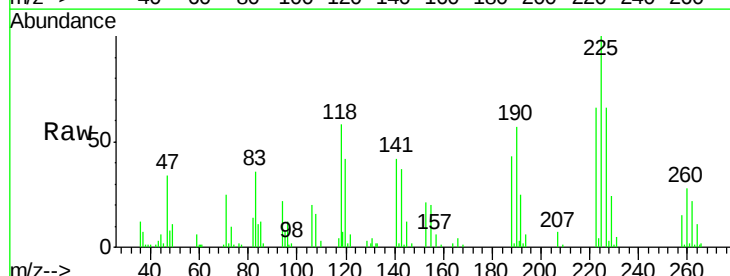
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

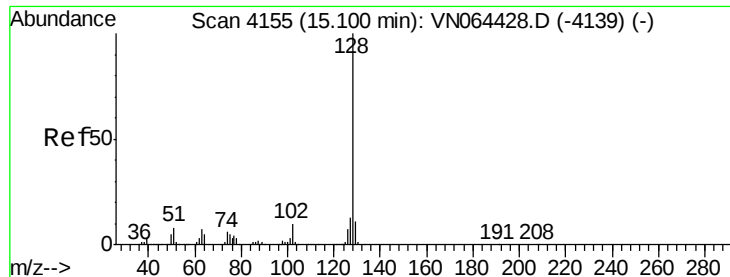
Tot Ion:180 Resp: 51916
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 142.0
 145 34.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 19.567 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064483.D
 Acq: 6 Nov 2020 15:14

Tgt Ion:225 Resp: 28596
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.8 95.4
 227 63.5 31.8 95.4





#95

Naphthalene

Concen: 15.888 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD01

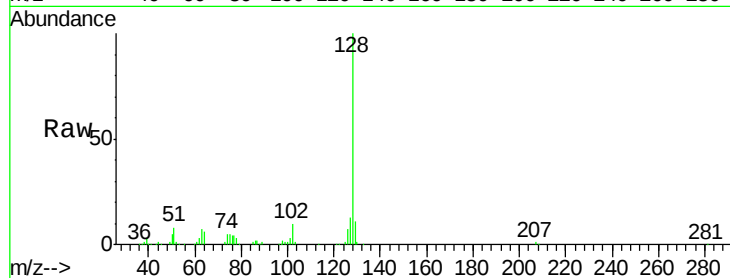
Tot Ion:128 Resp: 161333

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

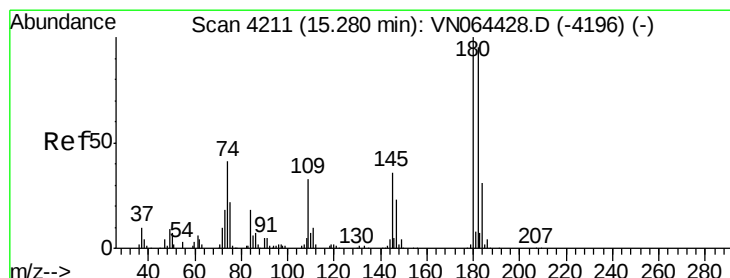
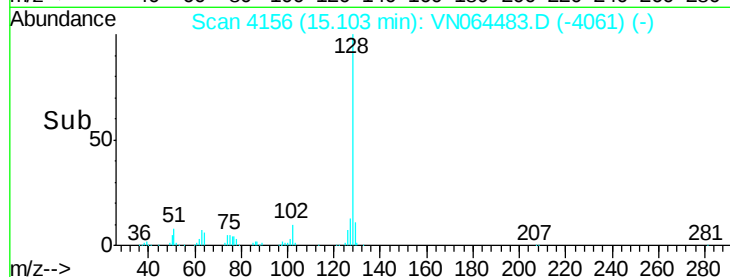
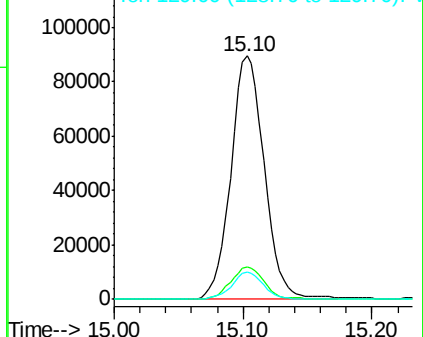
129 10.5 8.8 13.2



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: 17.099 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064483.D

Acq: 6 Nov 2020 15:14

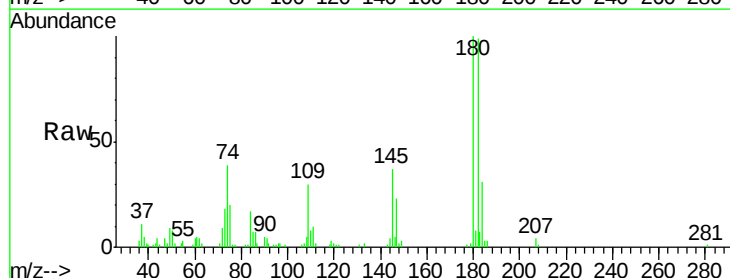
Tgt Ion:180 Resp: 52372

Ion Ratio Lower Upper

180 100

182 96.2 47.7 143.1

145 37.5 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

