

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

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:29 PM

Quant Time: Nov 05 01:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

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

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	89365	17.480	ug/l	99
40) Benzene	8.00	78	300337	17.922	ug/l	99
41) Methacrylonitrile	7.12	41	50463	19.958	ug/l	87
42) 1,2-Dichloroethane	8.09	62	127289	18.821	ug/l	99
43) Isopropyl Acetate	8.13	43	175211	18.958	ug/l	98
44) Trichloroethene	8.80	130	75337	17.818	ug/l	98
45) 1,2-Dichloropropane	9.08	63	79957	17.881	ug/l	94
46) Dibromomethane	9.17	93	56631	19.239	ug/l	97
47) Bromodichloromethane	9.37	83	114138	18.033	ug/l	99
48) Methyl methacrylate	9.17	41	87754	18.817	ug/l	99
49) 1,4-Dioxane	9.17	88	25765	419.441	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	531513	98.614	ug/l	99
52) Toluene	10.12	92	186839	18.280	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	122102	18.197	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	125910	17.550	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	75745	19.002	ug/l	98
56) Ethyl methacrylate	10.40	69	106226	17.441	ug/l	96
57) 1,3-Dichloropropane	10.68	76	130957	18.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	281292	104.486	ug/l	100
59) 2-Hexanone	10.72	43	377654	88.570	ug/l	100
60) Dibromochloromethane	10.87	129	81698	18.306	ug/l	98
61) 1,2-Dibromoethane	10.98	107	77307	19.120	ug/l	98
64) Tetrachloroethene	10.60	164	68547	17.647	ug/l	97
65) Chlorobenzene	11.41	112	191205	17.296	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	73922	17.925	ug/l	98
67) Ethyl Benzene	11.48	91	349629	17.781	ug/l	98
68) m/p-Xylenes	11.60	106	251628	35.286	ug/l	97
69) o-Xylene	11.92	106	121791	17.674	ug/l	99
70) Styrene	11.94	104	205043	17.683	ug/l	99
71) Bromoform	12.10	173	51192	17.385	ug/l #	98
73) Isopropylbenzene	12.22	105	313490	17.768	ug/l	99
74) N-amyl acetate	12.05	43	146497	17.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	104025	19.196	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	98187m	18.256	ug/l	
77) Bromobenzene	12.50	156	75710	17.577	ug/l	95
78) n-propylbenzene	12.57	91	362286	18.011	ug/l	100
79) 2-Chlorotoluene	12.65	91	229326	17.976	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	262808	18.056	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	32717	16.985	ug/l	92
82) 4-Chlorotoluene	12.75	91	242536	18.153	ug/l	100
83) tert-Butylbenzene	12.97	119	207107	18.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	266133	18.189	ug/l	100
85) sec-Butylbenzene	13.14	105	266407	18.505	ug/l	99
86) p-Isopropyltoluene	13.26	119	238235	18.397	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	135701	18.225	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	135313	17.585	ug/l	97
89) n-Butylbenzene	13.59	91	200925	18.046	ug/l	99
90) Hexachloroethane	13.85	117	43504	17.415	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	133190	18.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21290	19.733	ug/l	97

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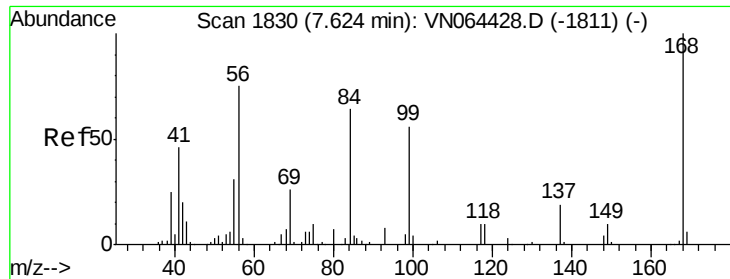
Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:29 PM

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

Tot Ion:168 Resp: 305689

Ion Ratio Lower Upper

168 100

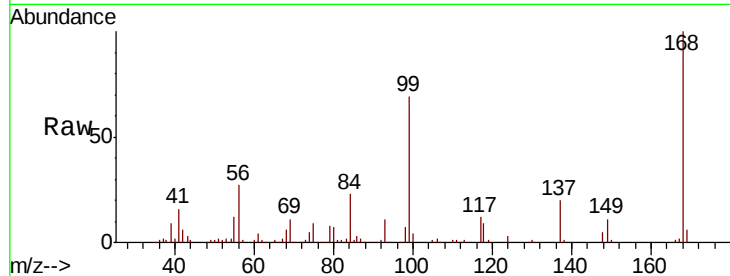
99 68.4 53.4 80.2

Manual Integrations

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11/5/2020 2:19:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

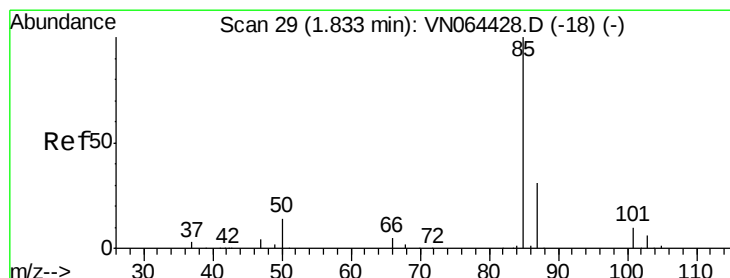
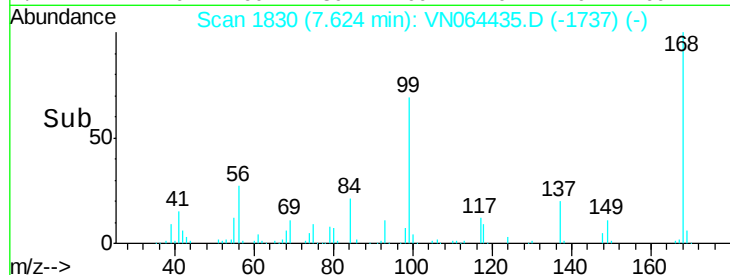
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.429 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064435.D

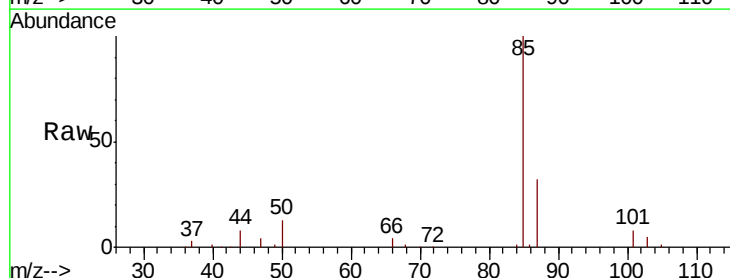
Acq: 4 Nov 2020 14:47

Tgt Ion: 85 Resp: 73335

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

50000

40000

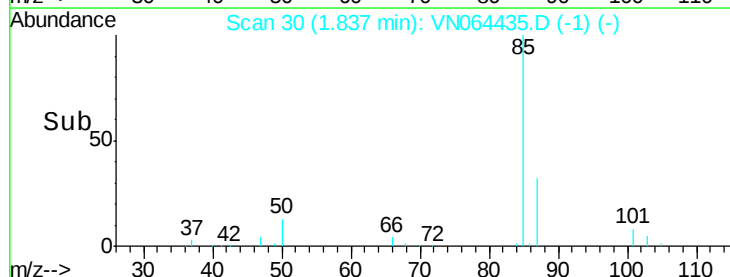
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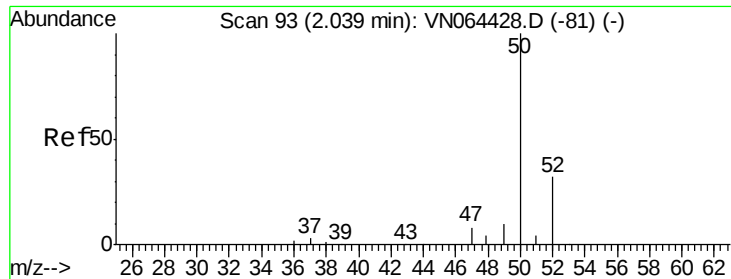
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.229 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tot Ion: 50 Resp: 88108

Ion Ratio Lower Upper

50 100

52 31.2 25.3 37.9

Instrument :

MSVOA_N

ClientSampleId :

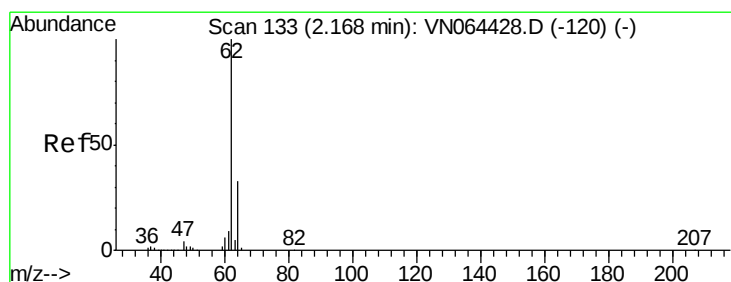
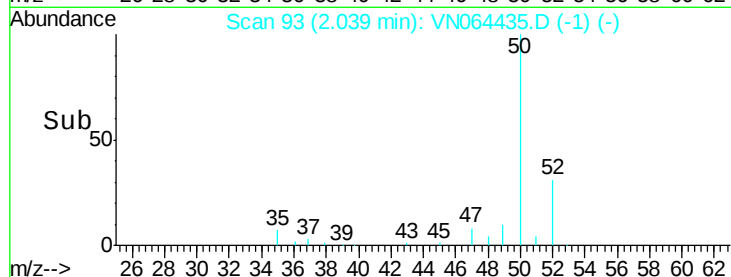
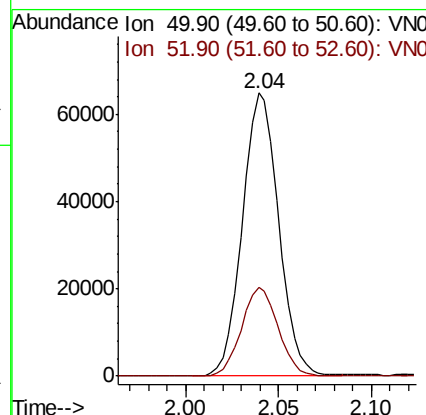
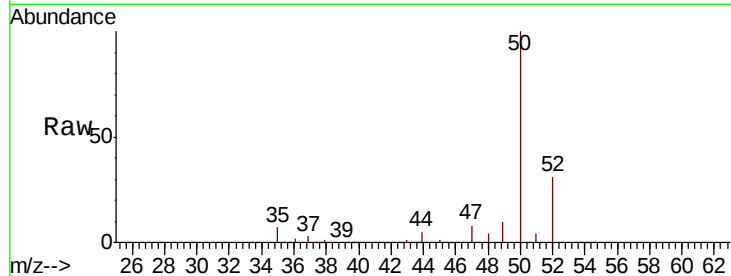
VN1104MBS01

Manual Integrations

APPROVED

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11/5/2020 2:19:29 PM



#4

Vinyl Chloride

Concen: 18.166 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064435.D

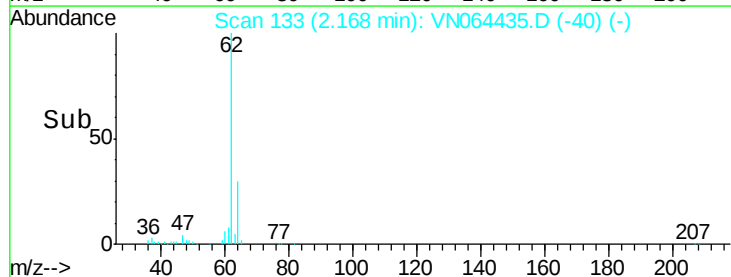
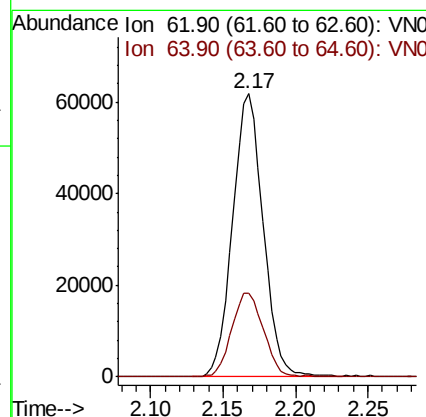
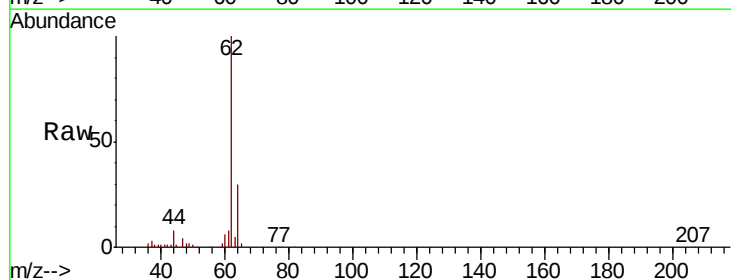
Acq: 4 Nov 2020 14:47

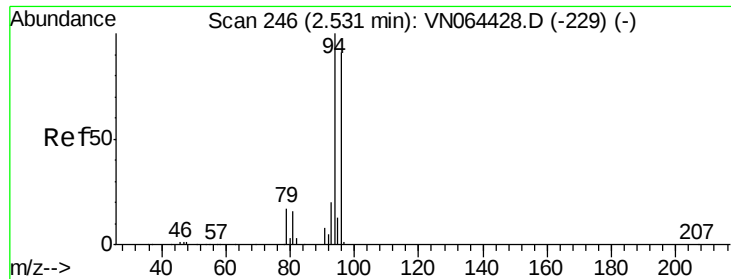
Tgt Ion: 62 Resp: 90164

Ion Ratio Lower Upper

62 100

64 29.7 26.3 39.5





#5

Bromomethane

Concen: 18.891 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

Tot Ion: 94 Resp: 59899

Ion Ratio Lower Upper

94 100

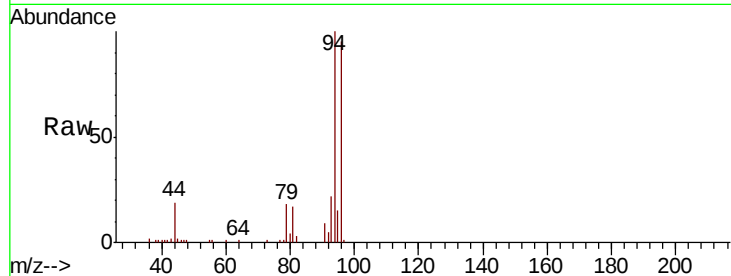
96 94.7 73.1 109.7

Manual Integrations

APPROVED

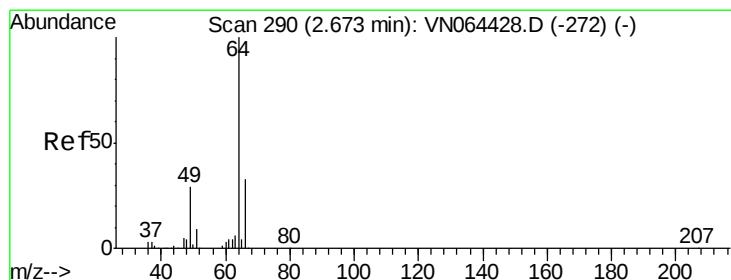
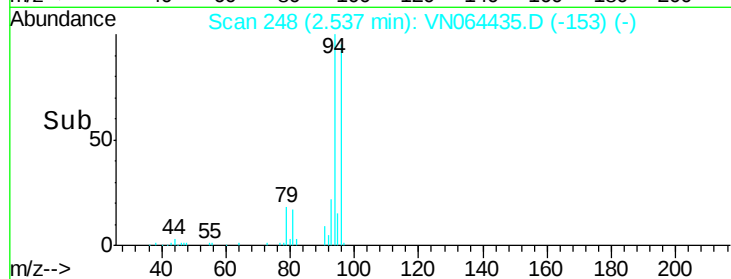
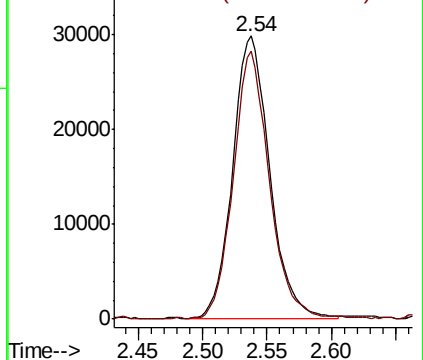
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.927 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064435.D

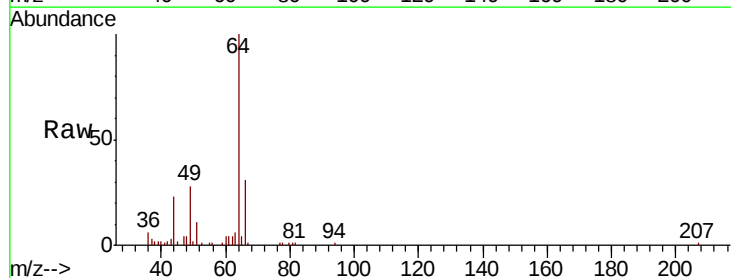
Acq: 4 Nov 2020 14:47

Tgt Ion: 64 Resp: 56970

Ion Ratio Lower Upper

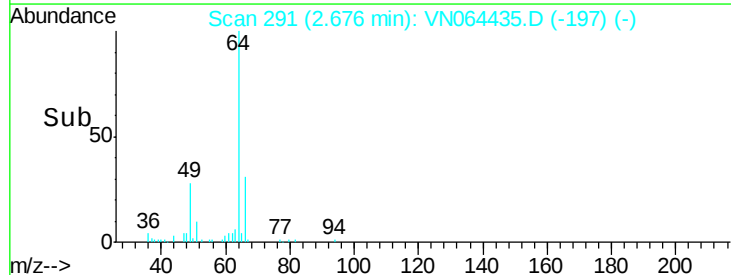
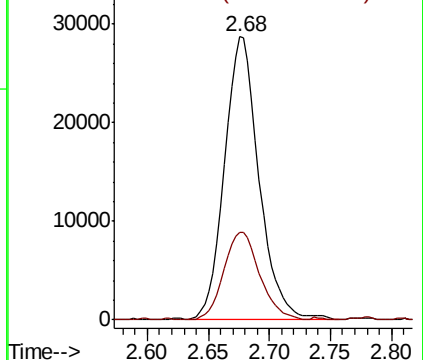
64 100

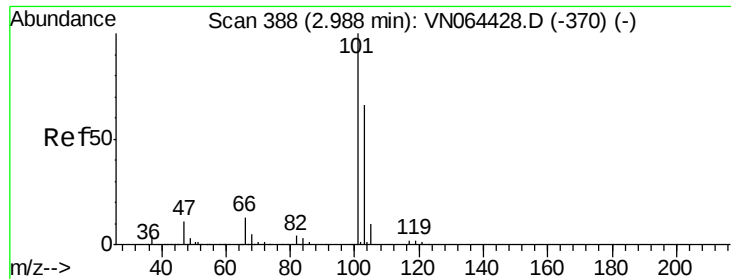
66 30.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

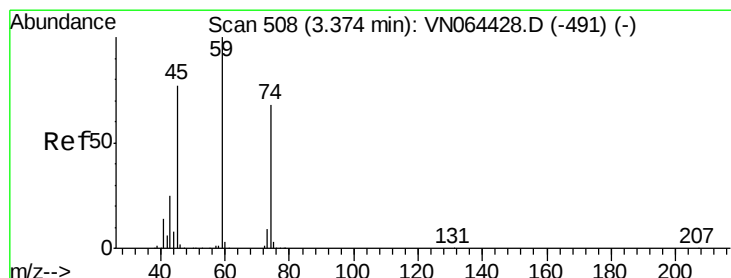
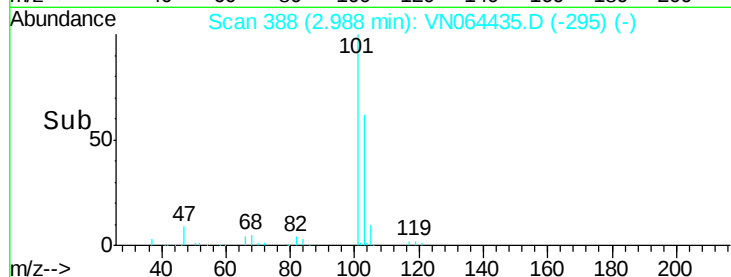
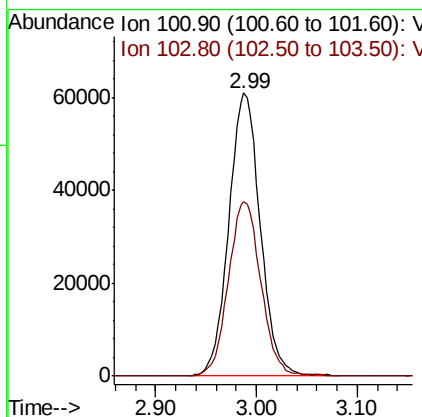
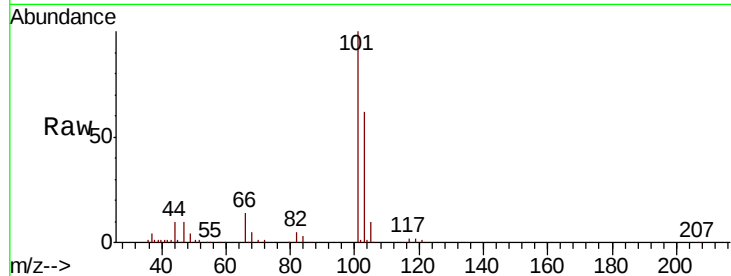
Trichlorofluoromethane
Concen: 18.121 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.4	78.6

Manual Integrations
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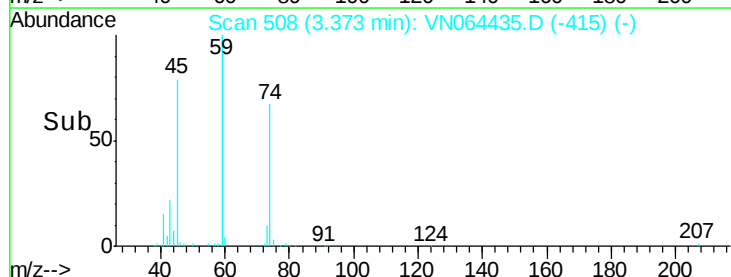
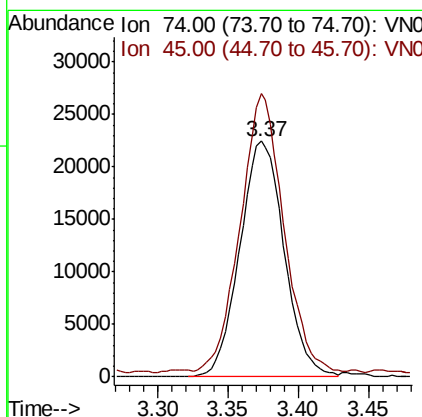
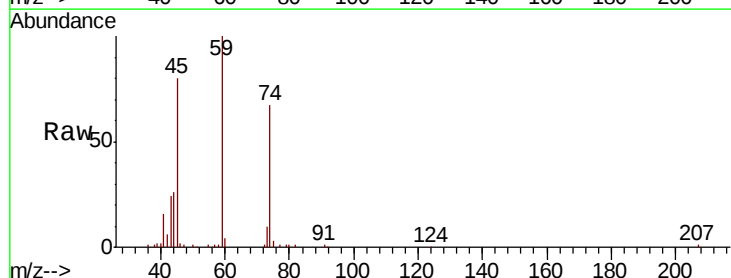
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11/5/2020 2:19:29 PM

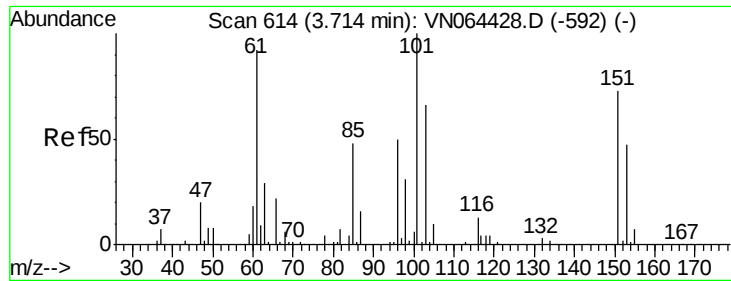


#8

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

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.0	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.749 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

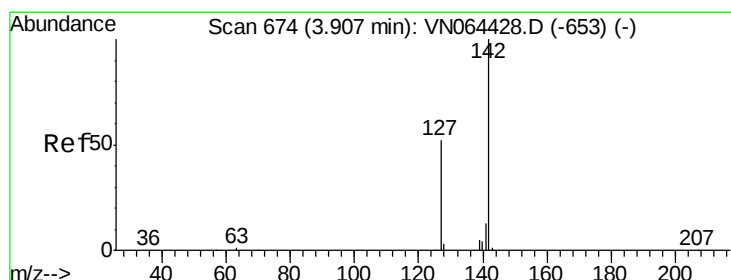
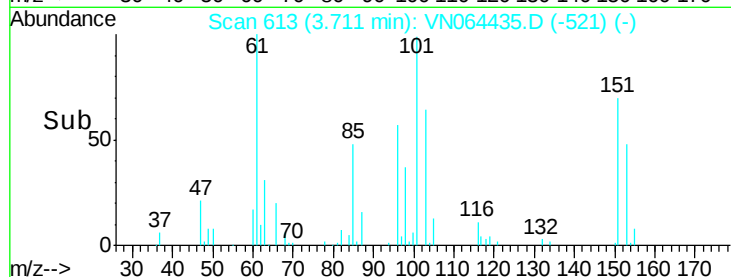
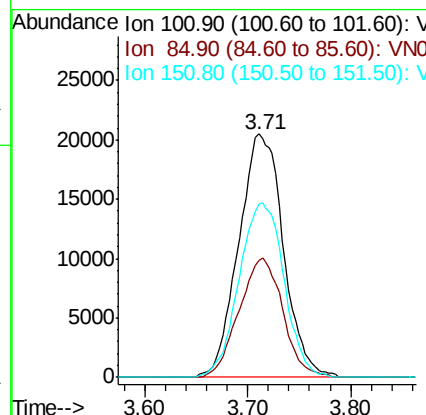
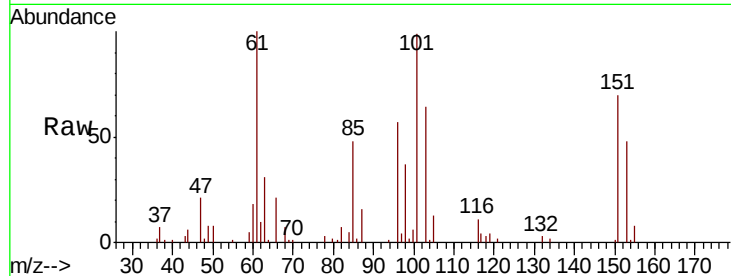
ClientSampled :

VN1104MBS01

Tot Ion:	101	Resp:	61602
Ion Ratio	Lower	Upper	
101	100		
85	48.0	38.6	57.8
151	72.3	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.183 ug/l

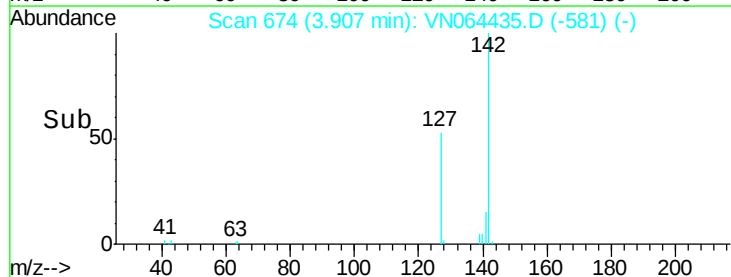
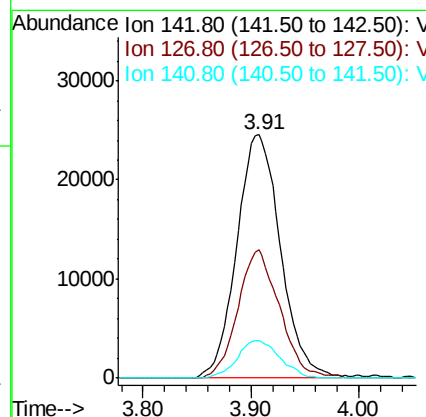
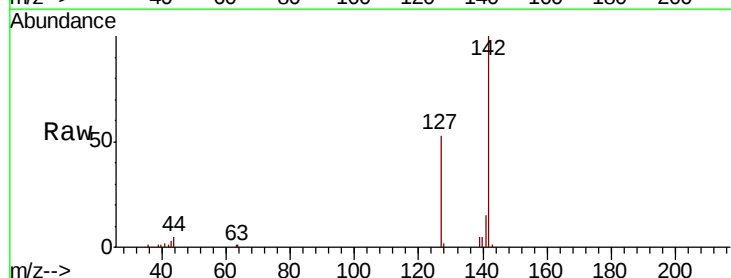
RT: 3.91 min Scan# 674

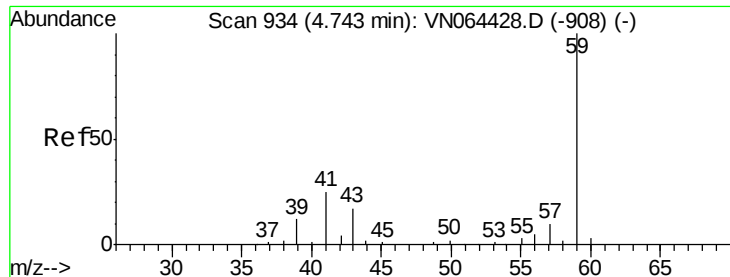
Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion:	142	Resp:	69295
Ion Ratio	Lower	Upper	
142	100		
127	50.0	41.8	62.8
141	15.0	11.4	17.2





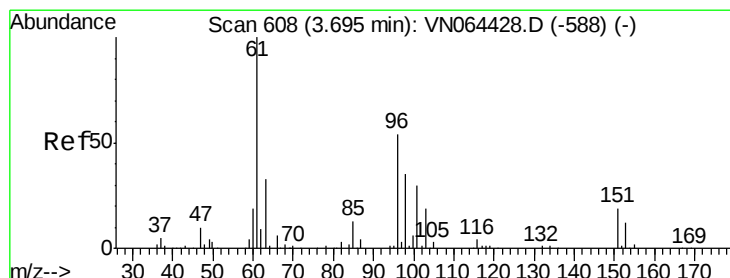
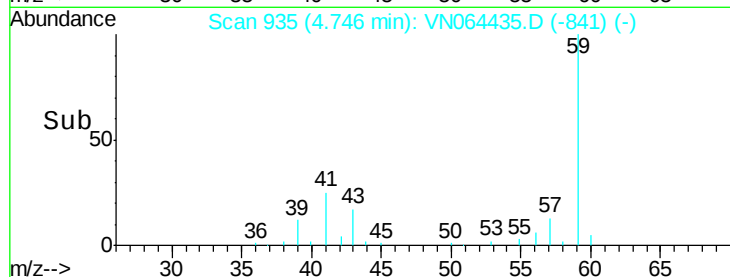
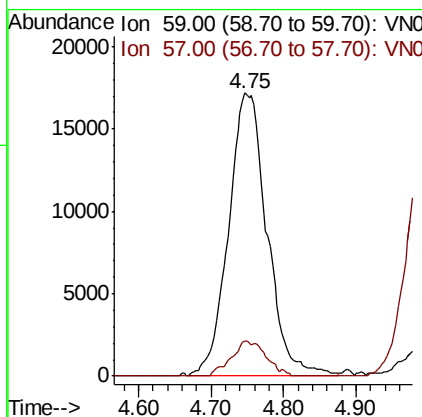
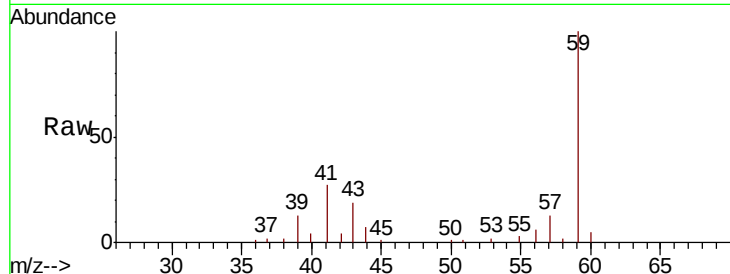
#11
Tert butyl alcohol
Concen: 107.853 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.4

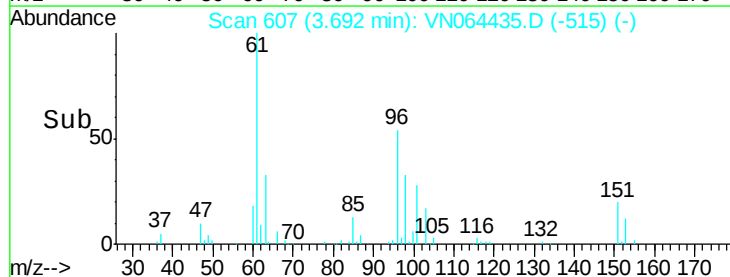
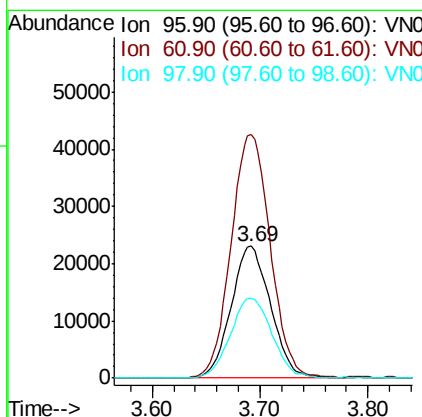
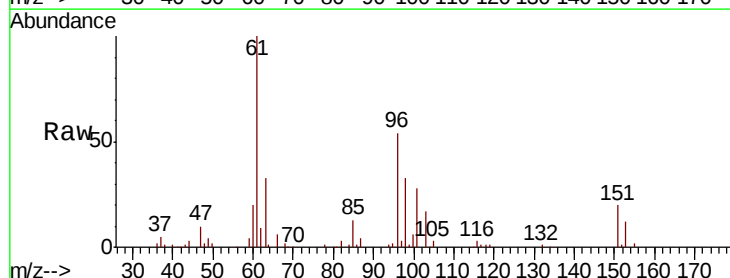
Manual Integrations
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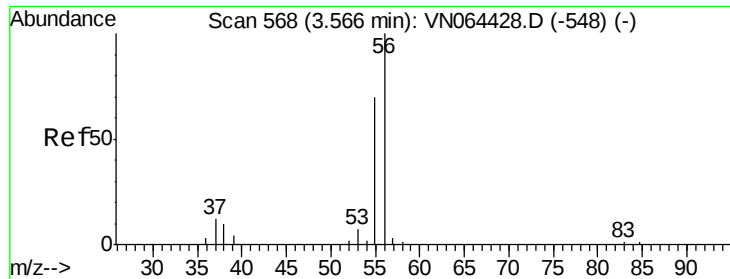
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#12
1,1-Dichloroethene
Concen: 18.015 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





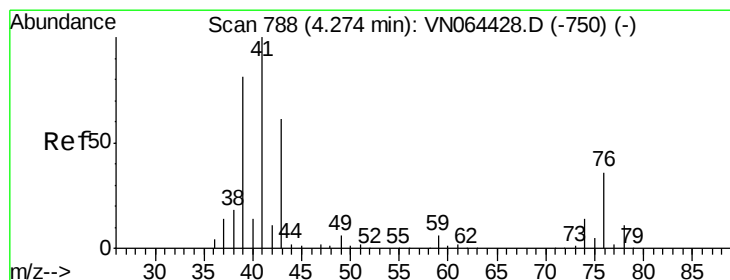
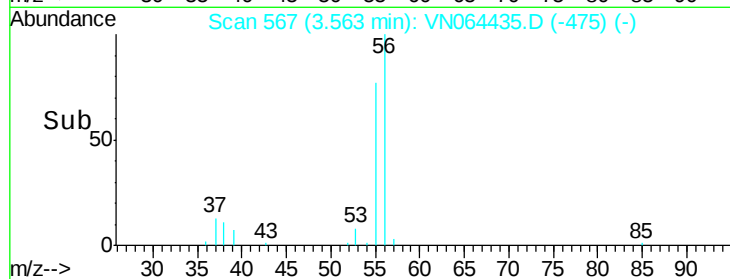
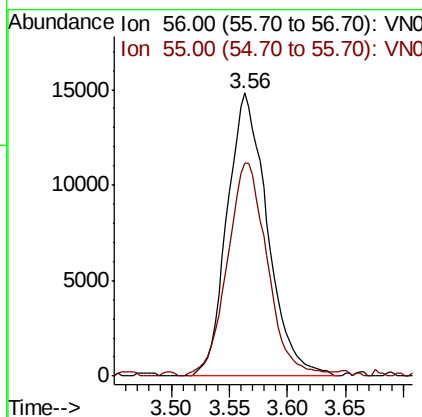
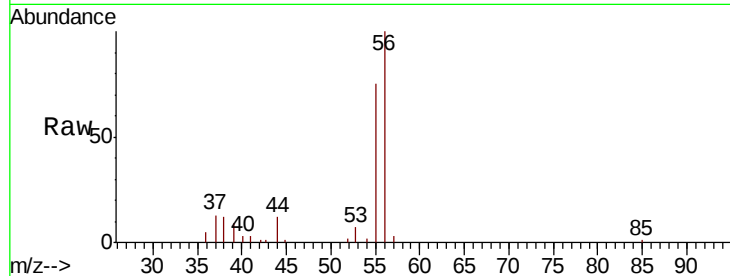
#13
Acrolein
Concen: 97.902 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion	56	Resp	35659
Ion Ratio	100	Lower	Upper
56	100		
55	75.2	55.9	83.9

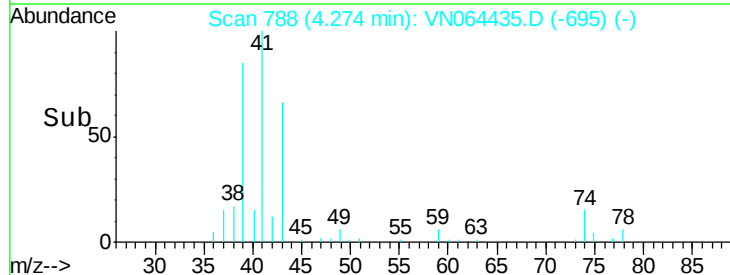
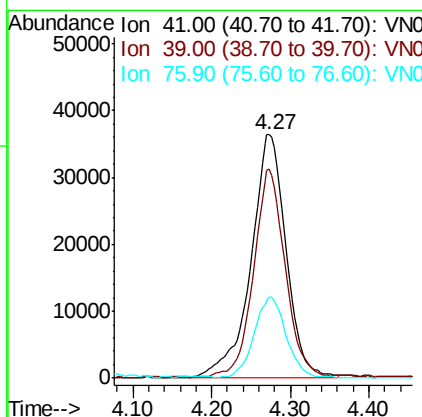
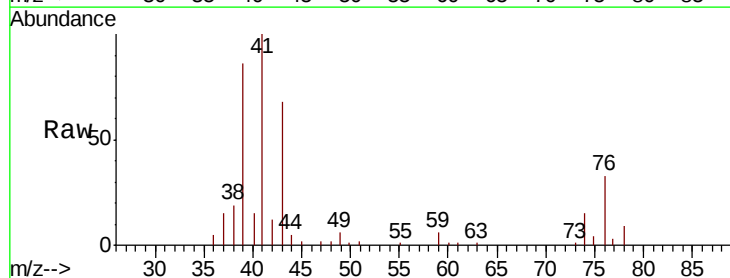
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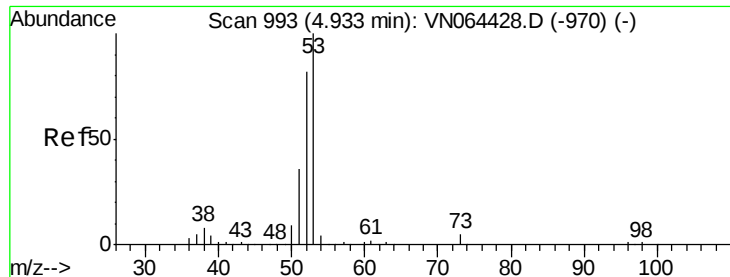
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#14
Allyl chloride
Concen: 18.027 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	41	Resp	115292
Ion Ratio	100	Lower	Upper
41	100		
39	75.9	61.8	92.8
76	30.4	25.4	38.0





#15

Acrylonitrile

Concen: 102.282 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

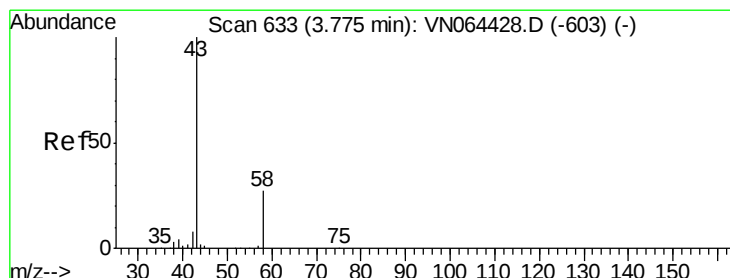
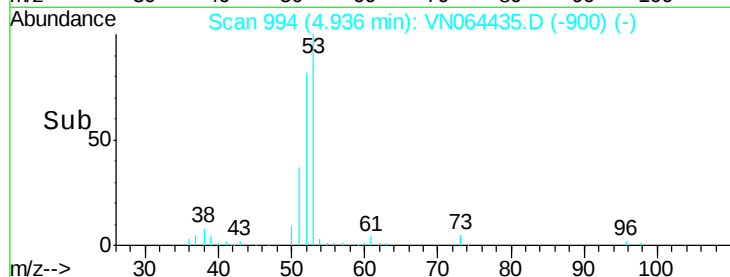
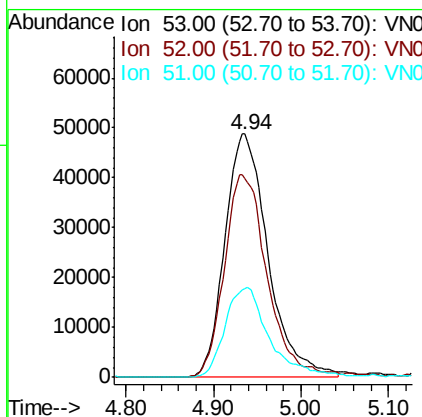
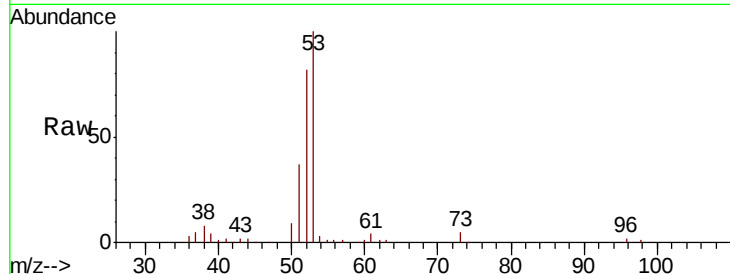
ClientSampleId :

VN1104MBS01

Tot Ion:	53	Resp:	167213
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.6	98.4
51	38.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 85.611 ug/l

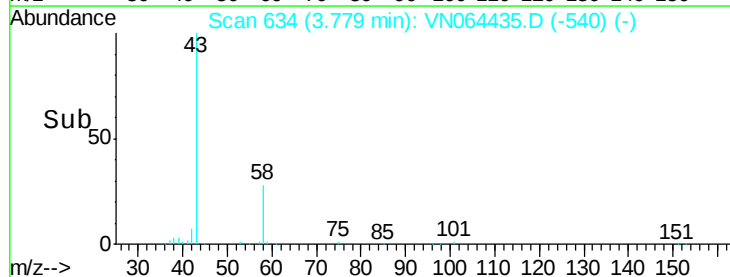
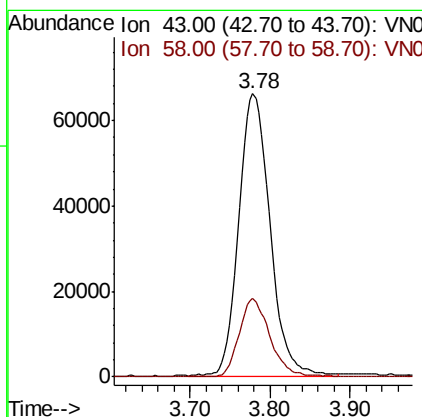
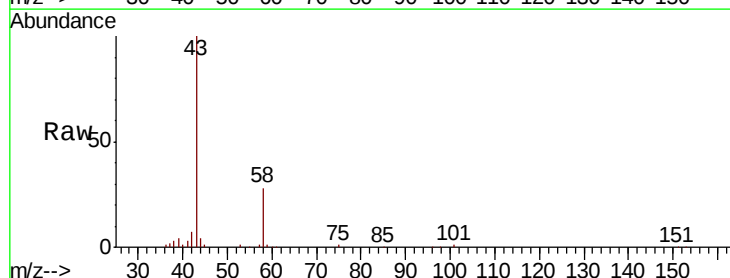
RT: 3.78 min Scan# 634

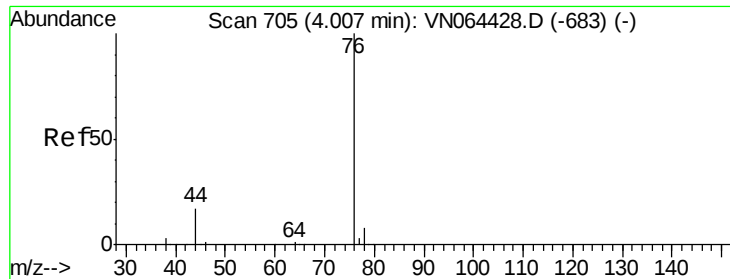
Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion:	43	Resp:	173641
Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.4	32.0





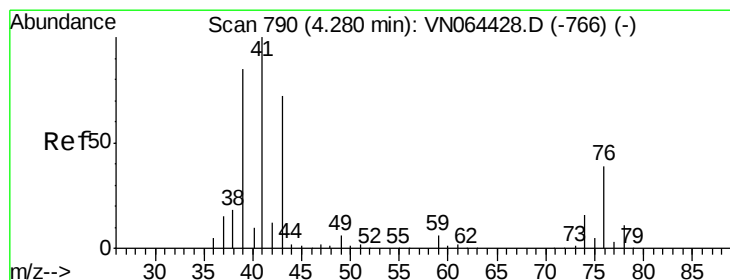
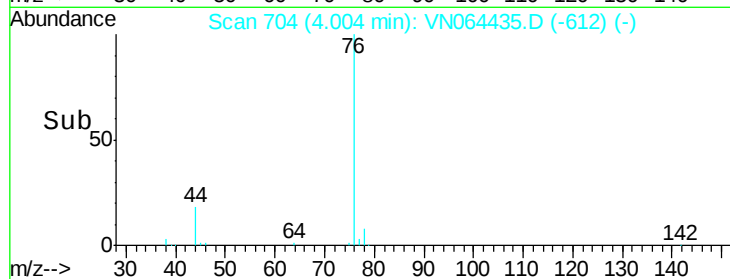
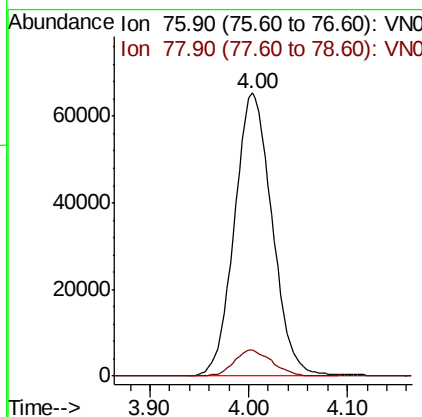
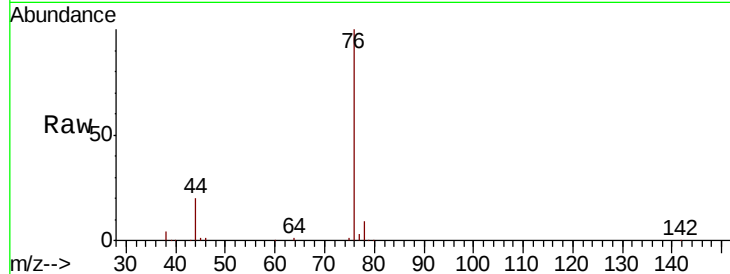
#17
Carbon Disulfide
Concen: 17.678 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

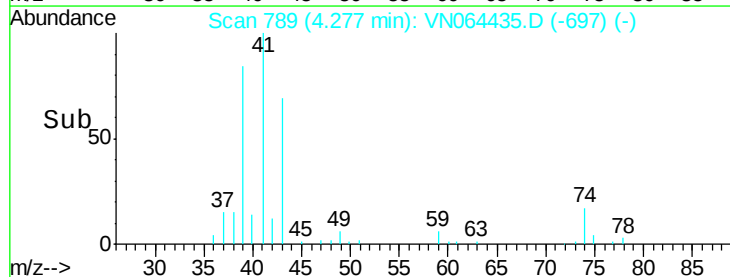
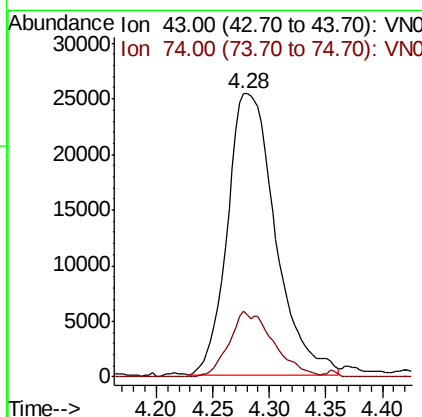
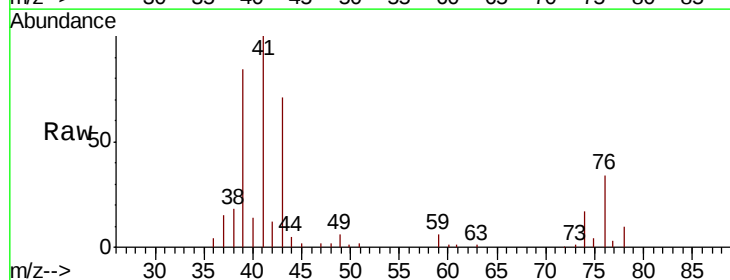
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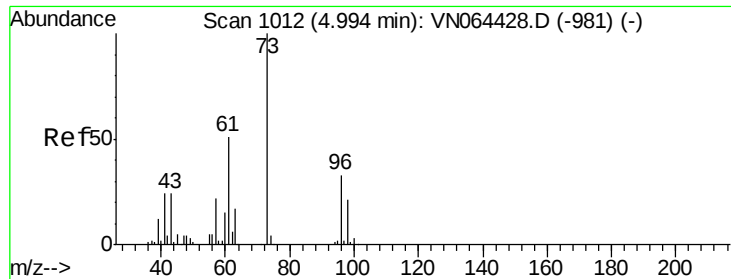
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#18
Methyl Acetate
Concen: 18.644 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





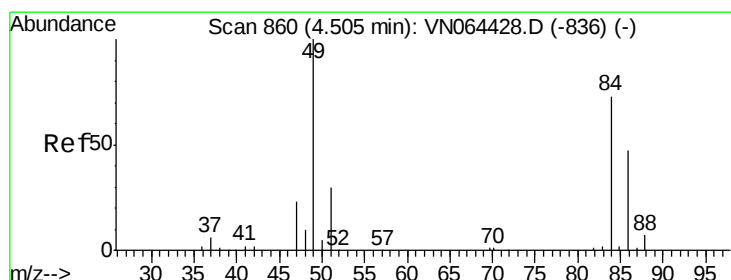
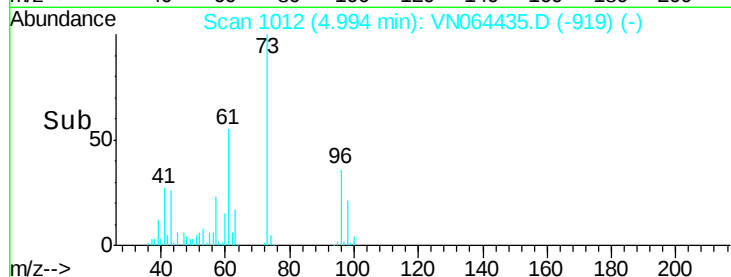
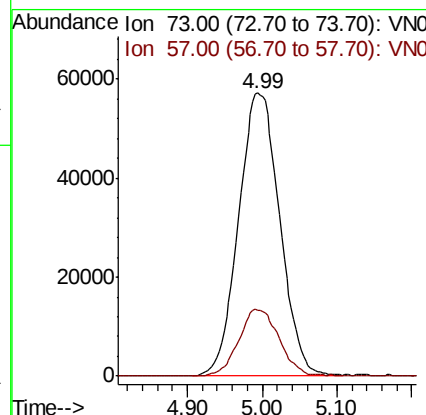
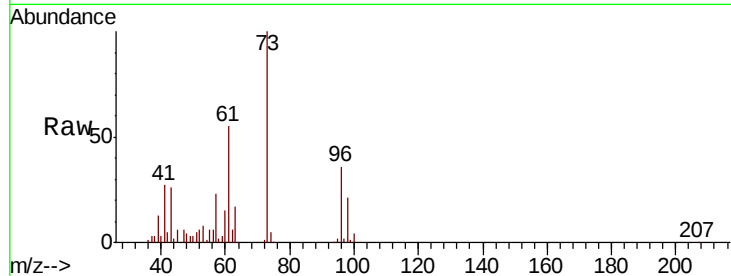
#19
Methyl tert-butyl Ether
Concen: 18.595 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

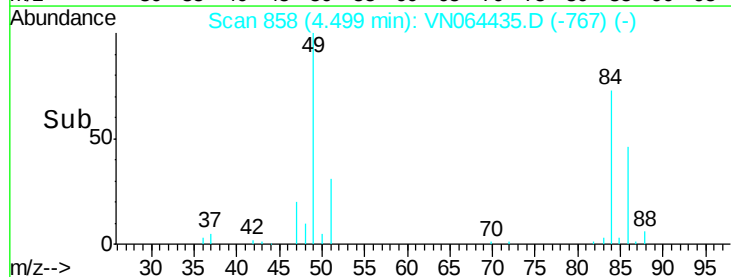
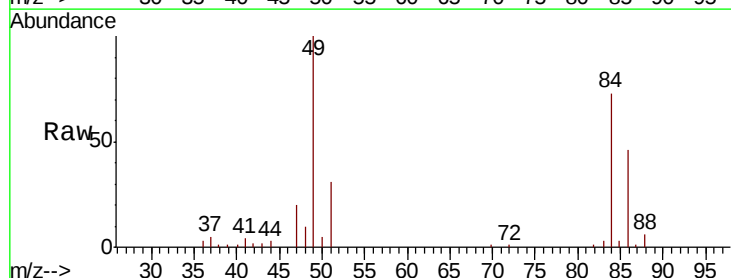
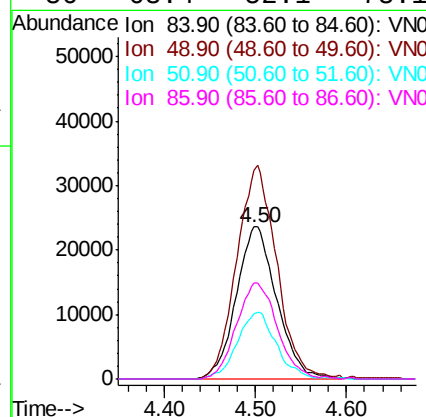
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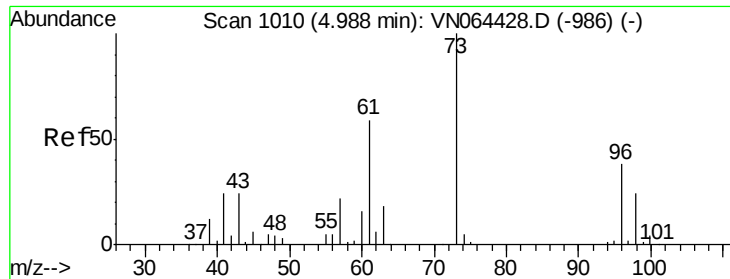
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#20
Methylene Chloride
Concen: 18.118 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





#21

trans-1,2-Dichloroethene

Concen: 18.358 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

Tot Ion: 96 Resp: 68145

Ion Ratio Lower Upper

96 100

61 151.1 122.4 183.6

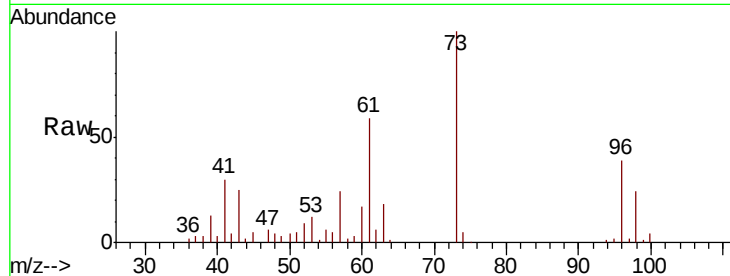
98 61.7 50.4 75.6

Manual Integrations

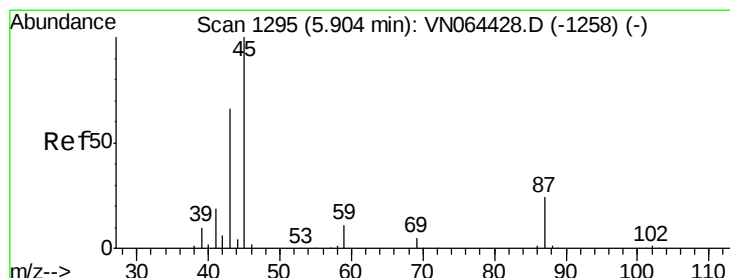
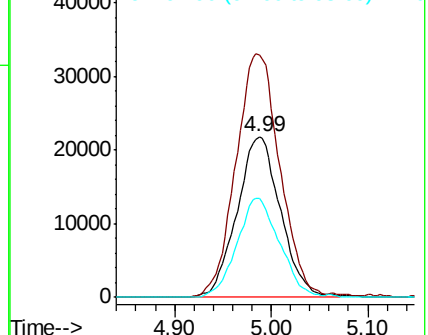
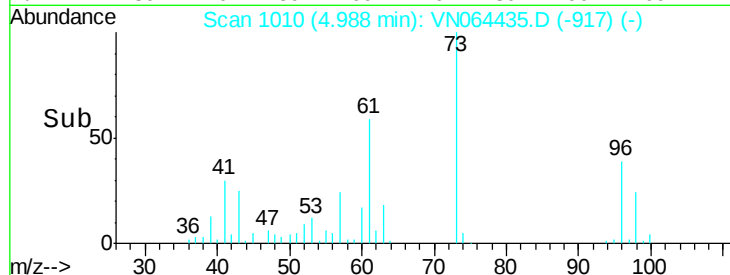
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Abundance Ion 95.90 (95.60 to 96.60): VN064435.D (-917) (-)



#22

Diisopropyl ether

Concen: 18.326 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion: 45 Resp: 248782

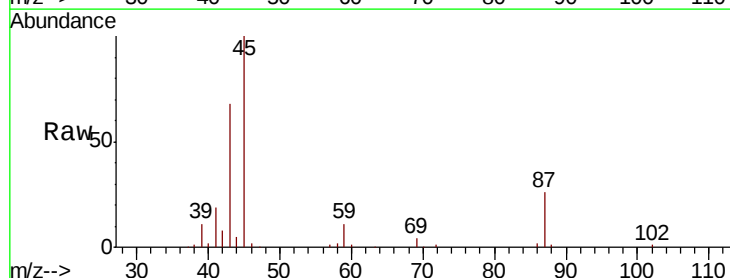
Ion Ratio Lower Upper

45 100

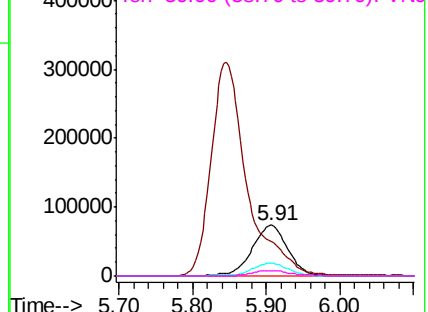
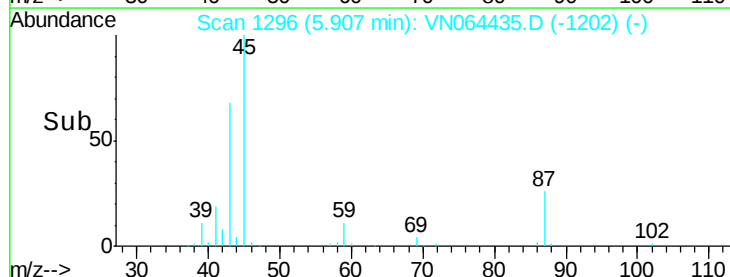
43 65.7 53.2 79.8

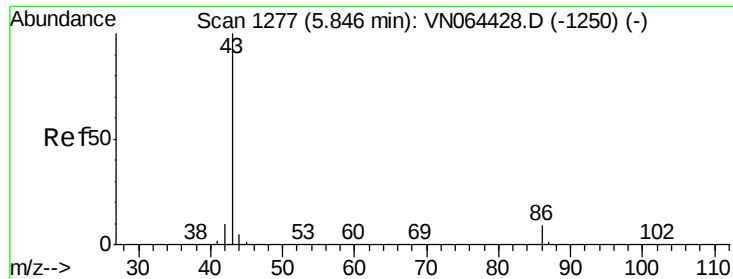
87 25.8 19.9 29.9

59 10.7 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VN064435.D (-1202) (-)





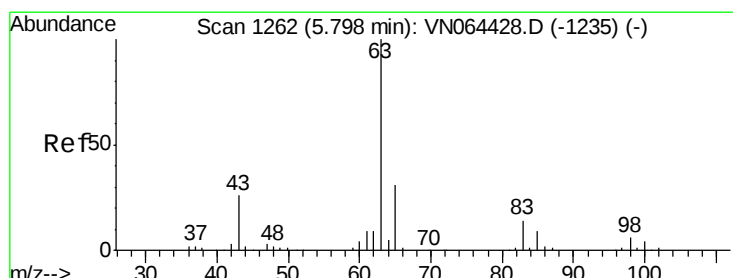
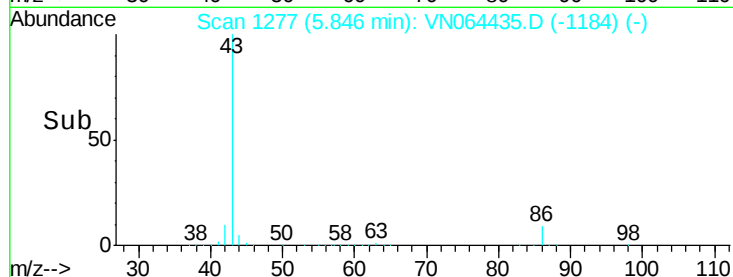
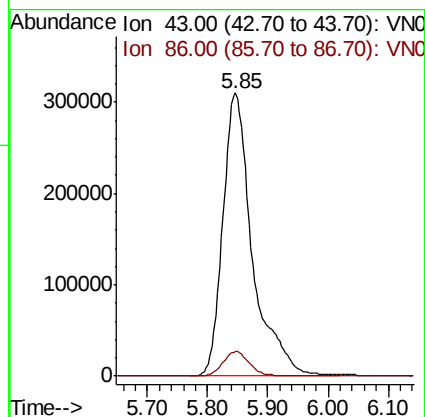
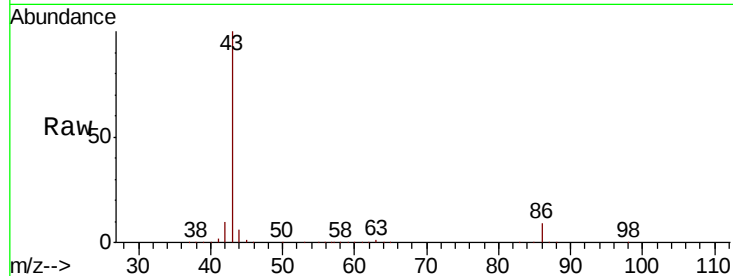
#23
 Vinyl Acetate
 Concen: 95.506 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

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

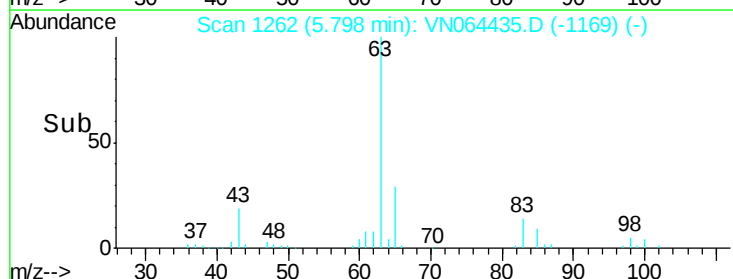
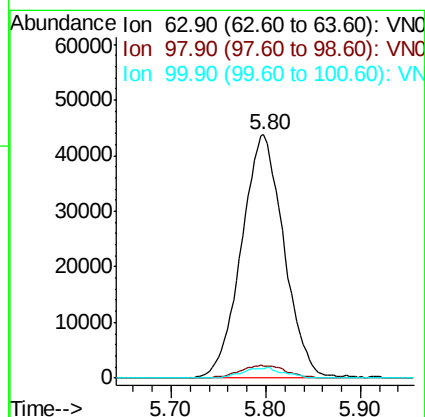
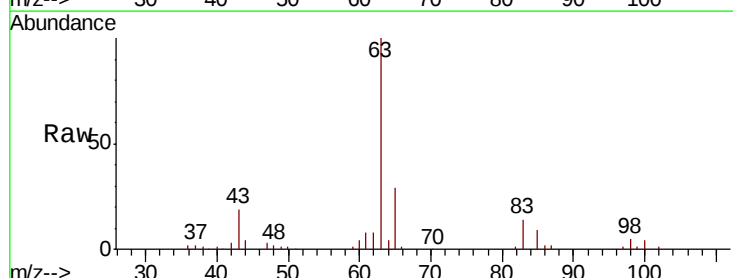
Manual Integrations
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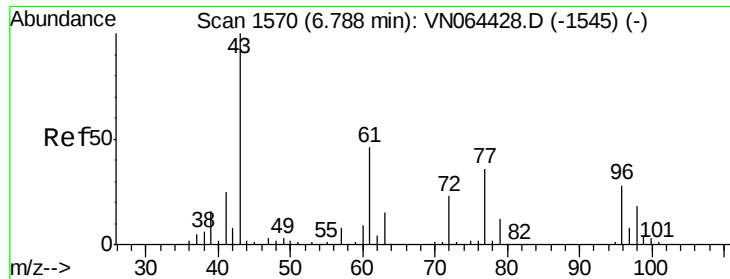
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#24
 1,1-Dichloroethane
 Concen: 18.272 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

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





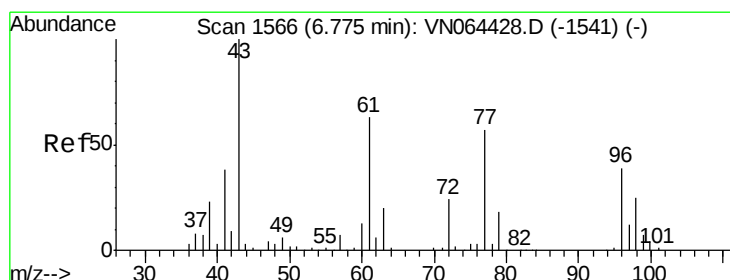
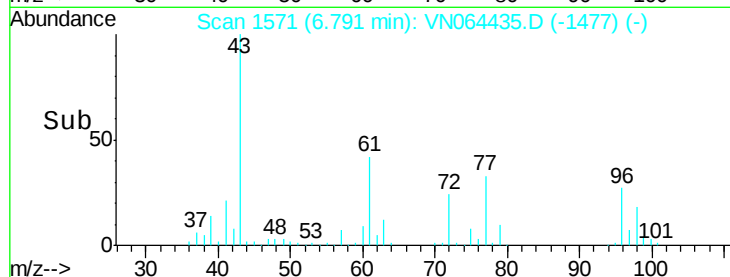
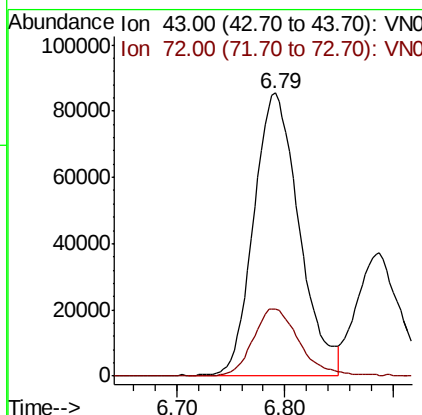
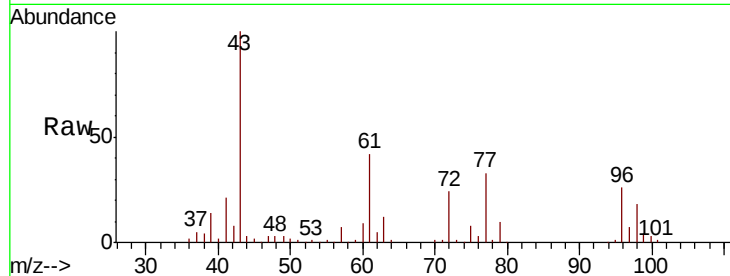
#25
2-Butanone
Concen: 96.333 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

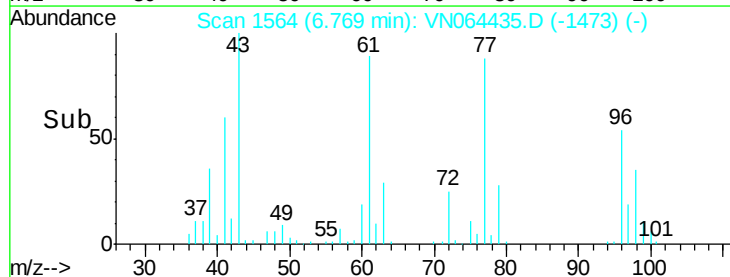
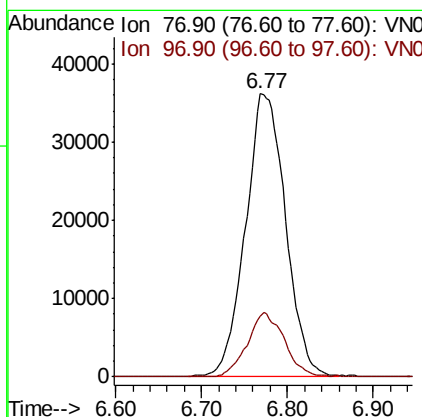
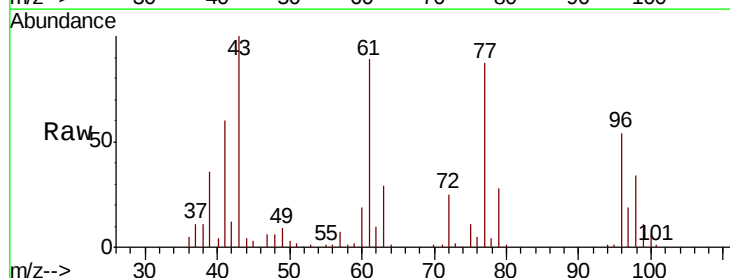
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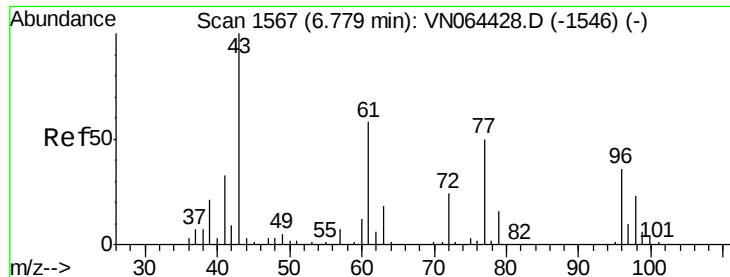
MMDadoda
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#26
2,2-Dichloropropane
Concen: 17.347 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





#27

cis-1,2-Dichloroethene

Concen: 17.937 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

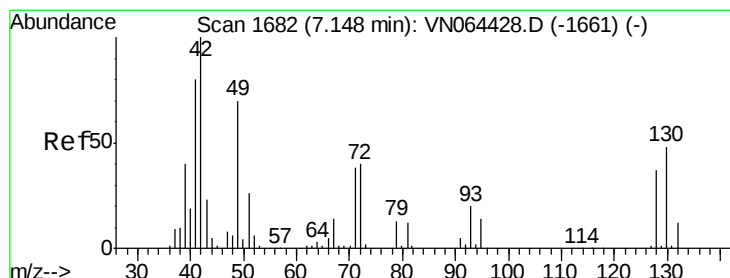
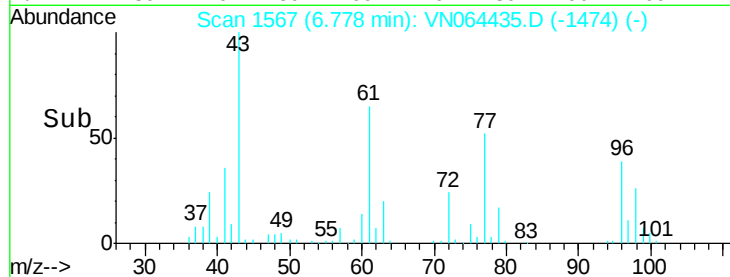
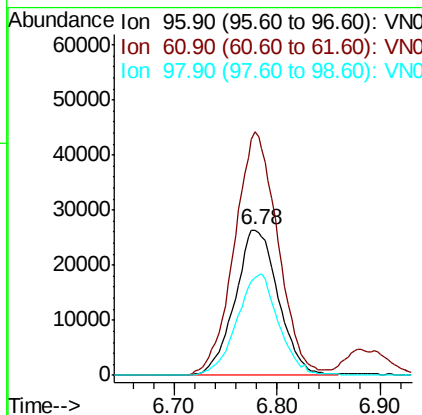
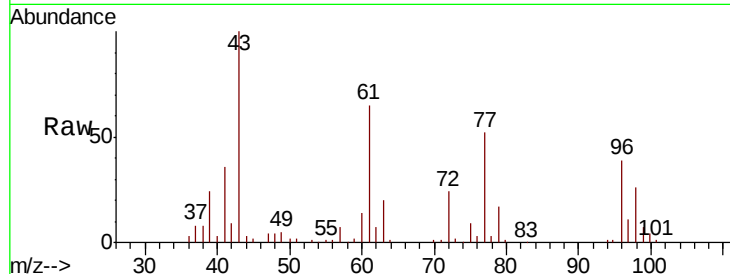
ClientSampleId :

VN1104MBS01

Tot Ion:	96	Resp:	77151
Ion	Ratio	Lower	Upper
96	100		
61	167.7	0.0	329.6
98	67.3	0.0	131.2

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#28

Bromochloromethane

Concen: 19.258 ug/l

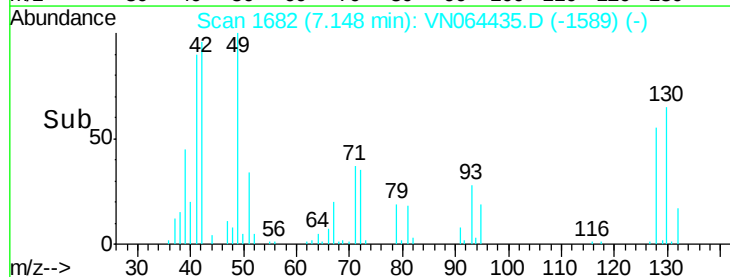
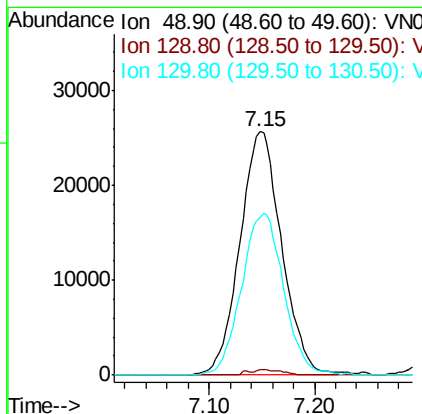
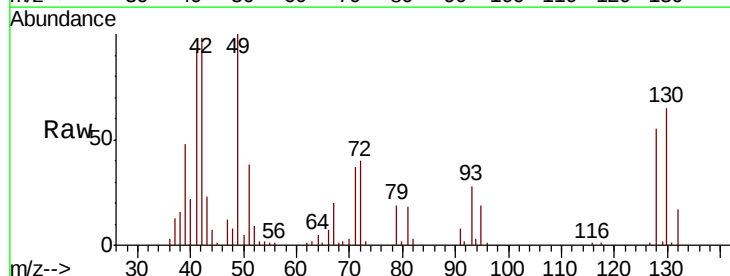
RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion:	49	Resp:	70615
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.6
130	66.9	54.2	81.4





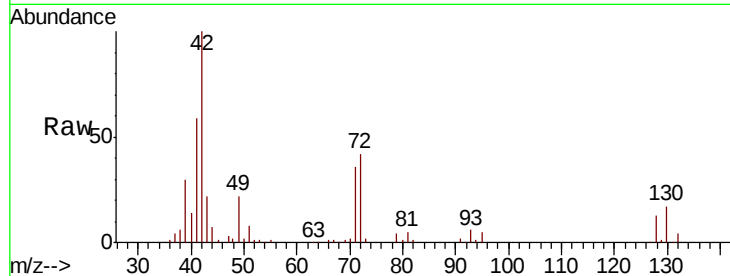
#29
Tetrahydrofuran
Concen: 99.077 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

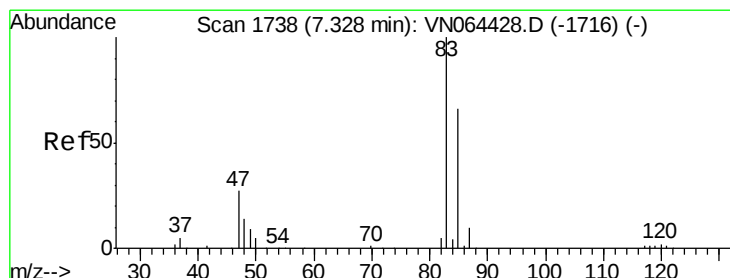
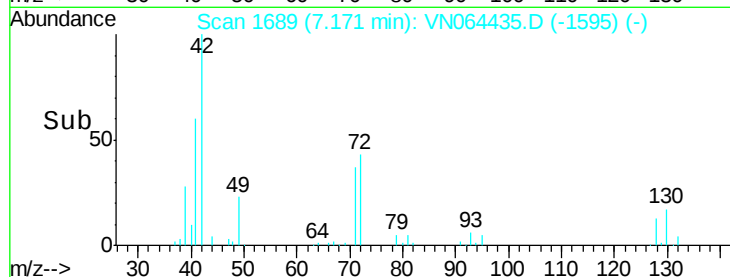
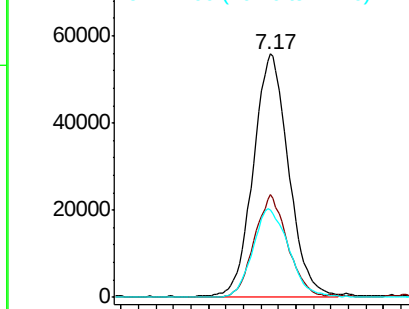
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	37.1	29.8	44.6

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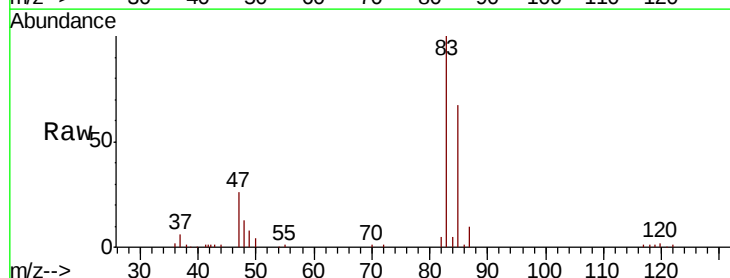


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

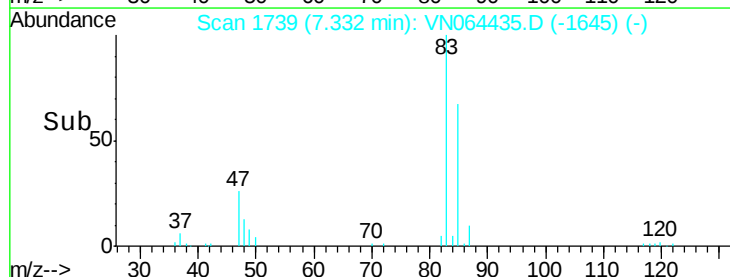
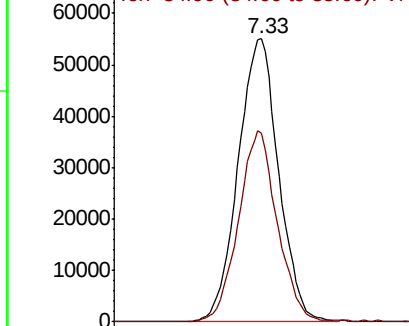


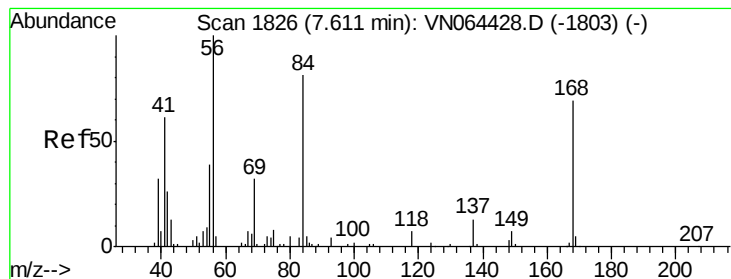
#30
Chloroform
Concen: 18.298 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.5	78.7



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





#31

Cyclohexane

Concen: 17.555 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

Tot Ion: 56 Resp: 113625

Ion Ratio Lower Upper

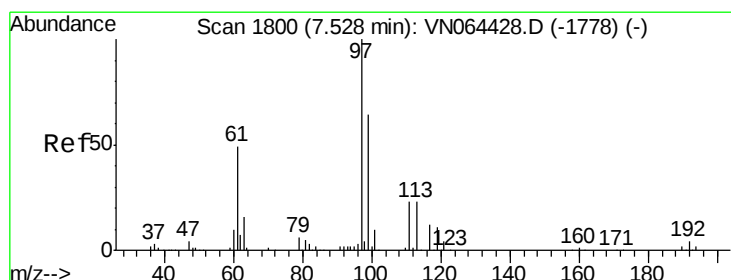
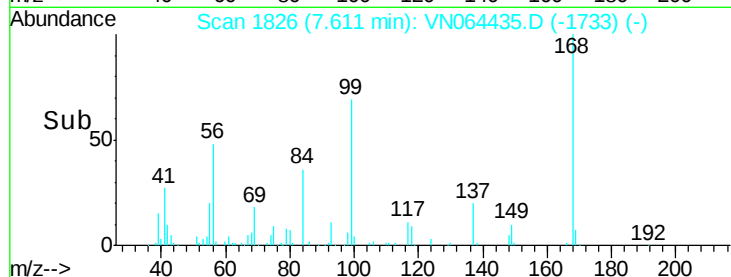
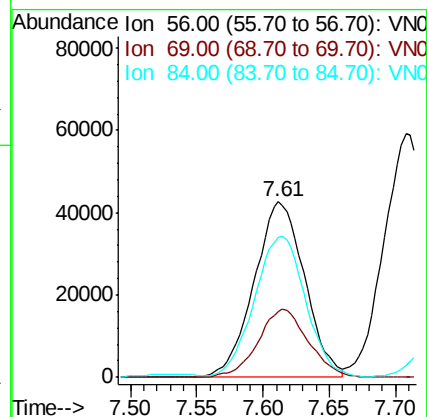
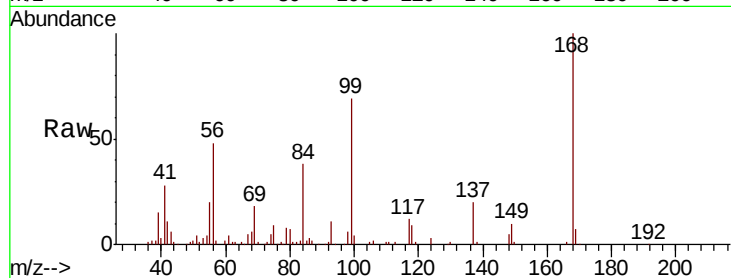
56 100

69 37.7 25.6 38.4

84 78.1 63.0 94.6

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#32

1,1,1-Trichloroethane

Concen: 17.586 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

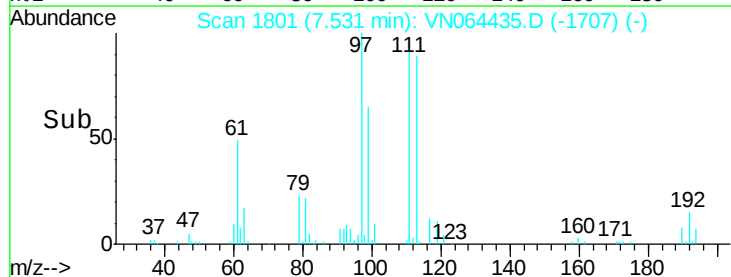
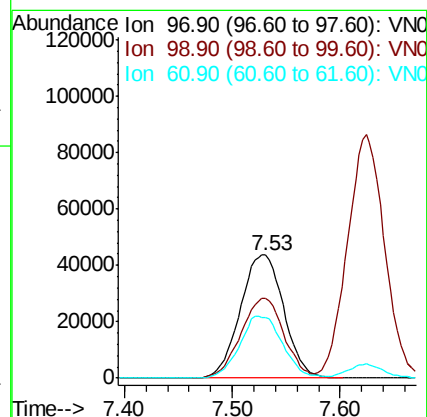
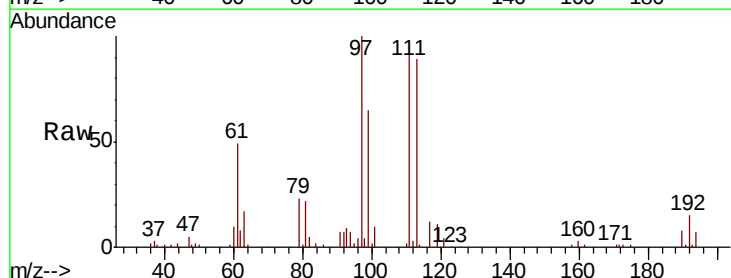
Tgt Ion: 97 Resp: 122311

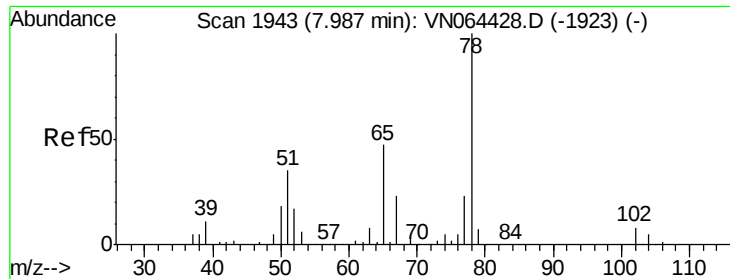
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 49.9 39.1 58.7





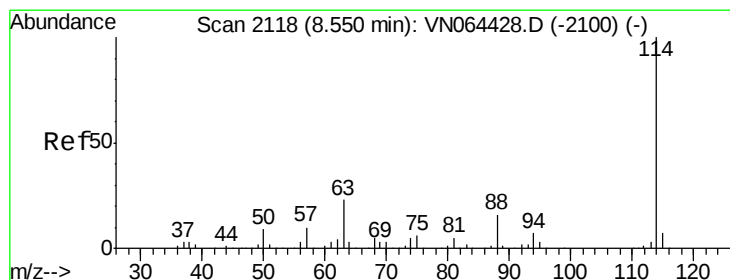
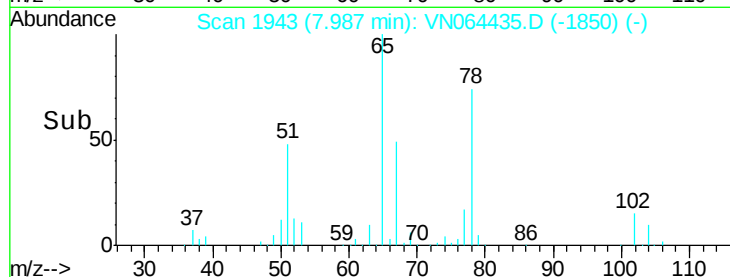
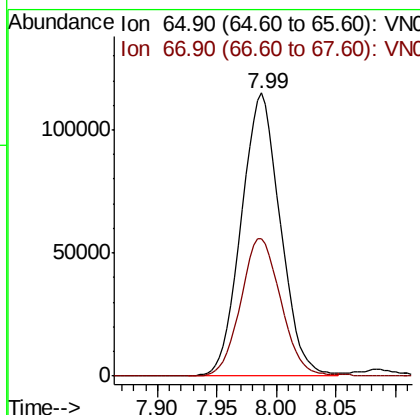
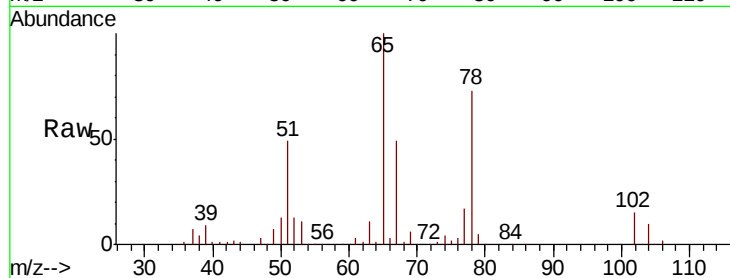
#33
 1,2-Dichloroethane-d4
 Concen: 49.169 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN1104MBS01

Tot Ion: 65 Resp: 261809
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.6

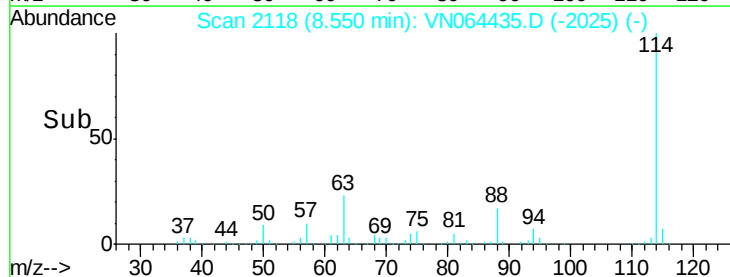
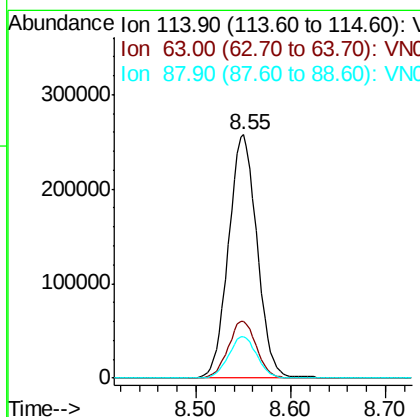
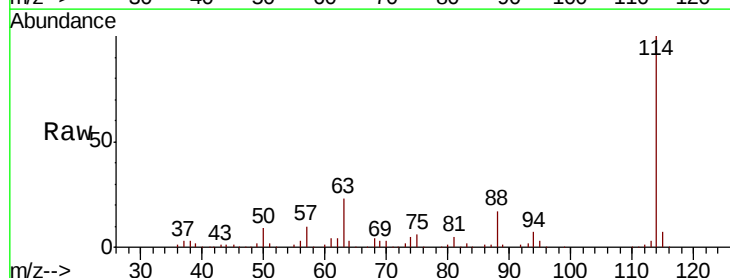
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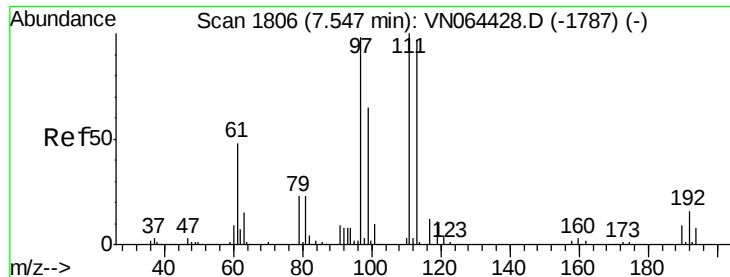
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion: 114 Resp: 539840
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 17.2 0.0 32.8





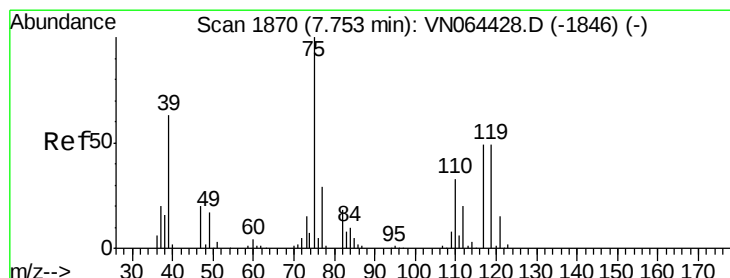
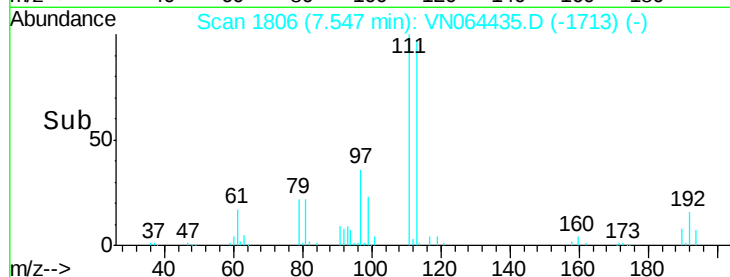
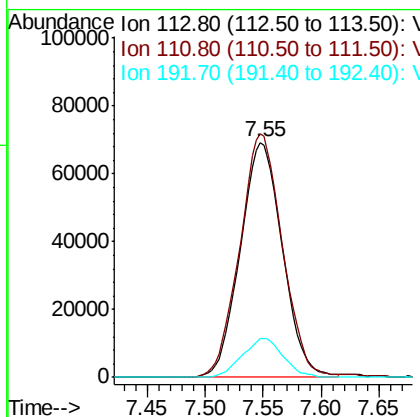
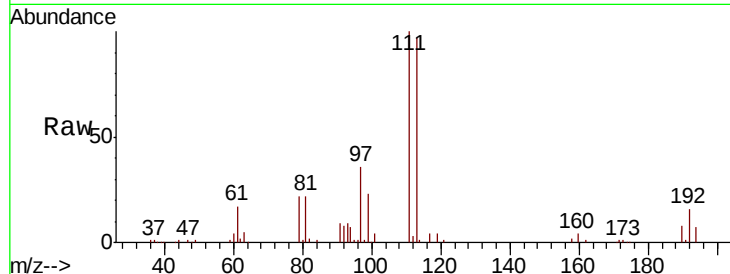
#35
 Dibromofluoromethane
 Concen: 47.625 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175050		
111	104.6	81.1	121.7	
192	16.3	12.8	19.2	

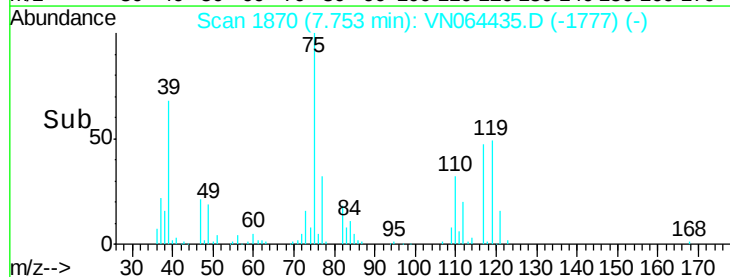
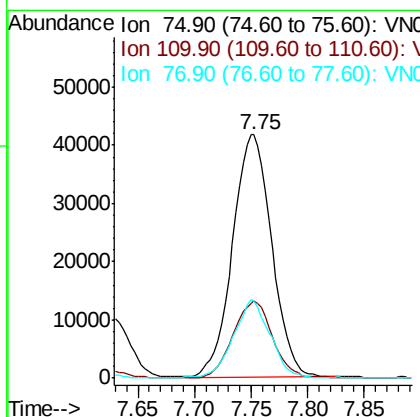
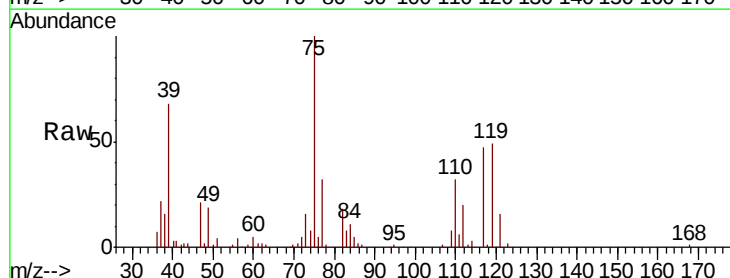
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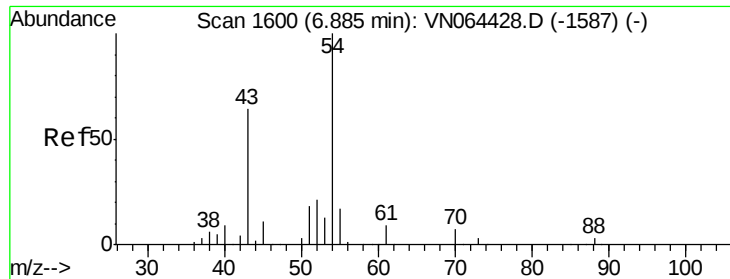
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#36
 1,1-Dichloropropene
 Concen: 17.565 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100173		
110	32.0	16.0	48.0	
77	30.6	24.0	36.0	





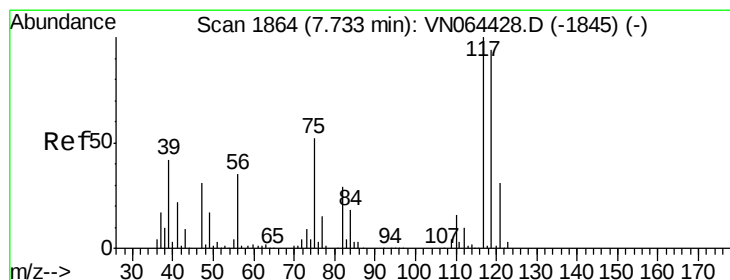
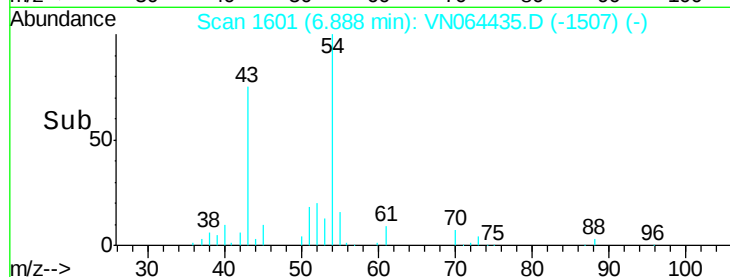
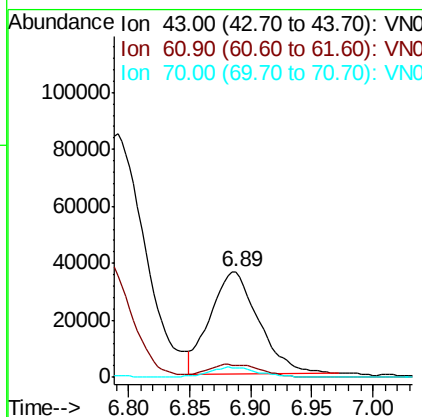
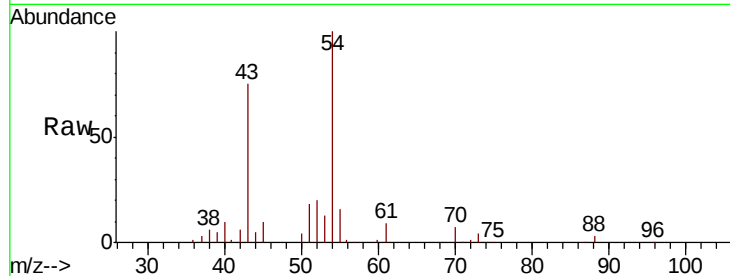
#37
Ethyl Acetate
Concen: 17.883 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

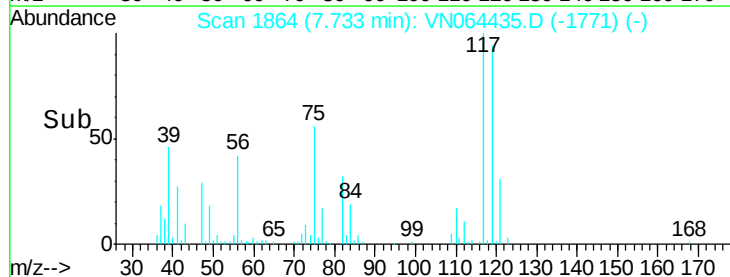
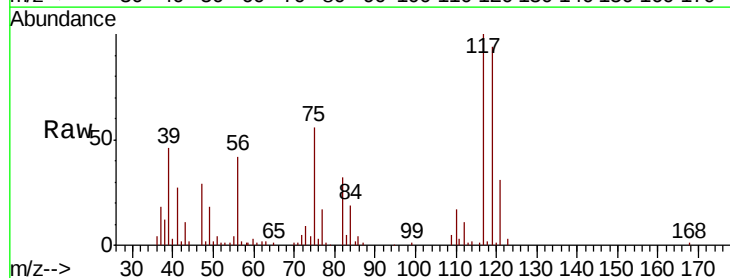
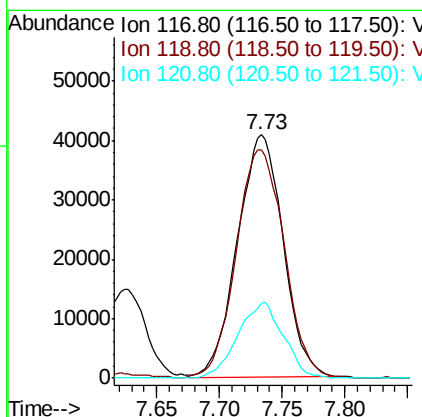
Manual Integrations
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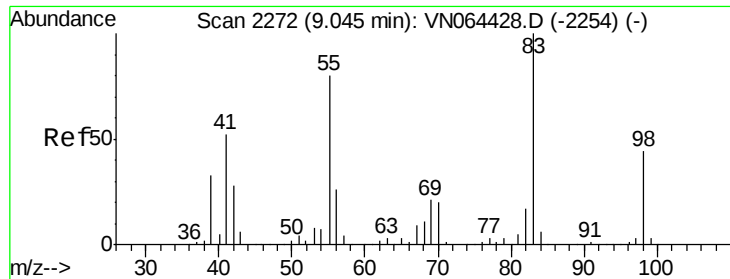
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#38
Carbon Tetrachloride
Concen: 16.953 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





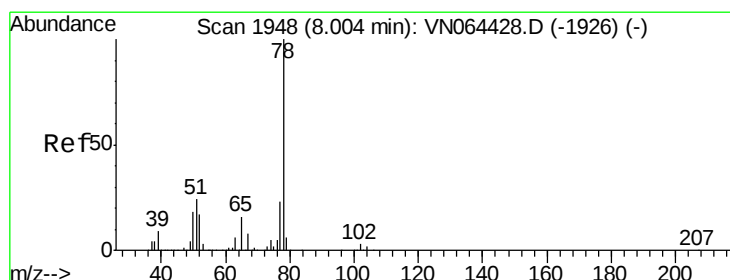
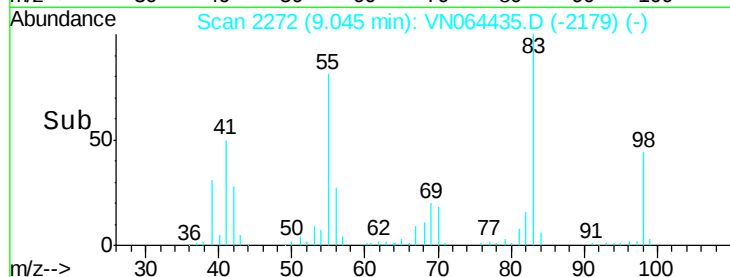
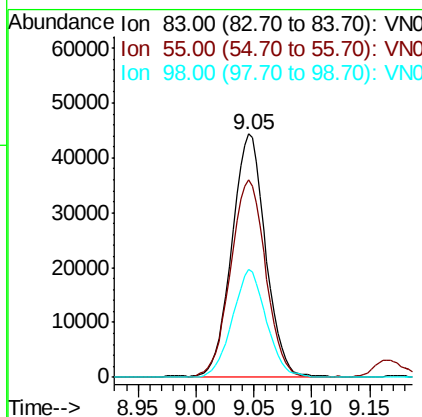
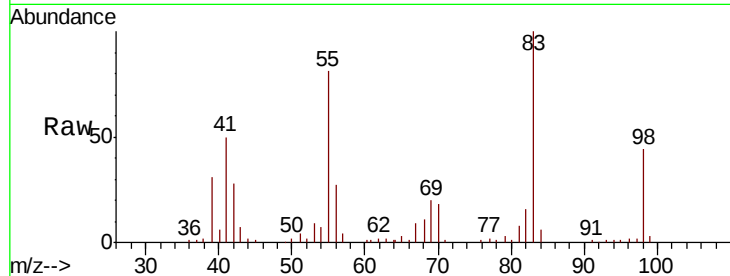
#39
Methvlcvclohexane
Concen: 17.480 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

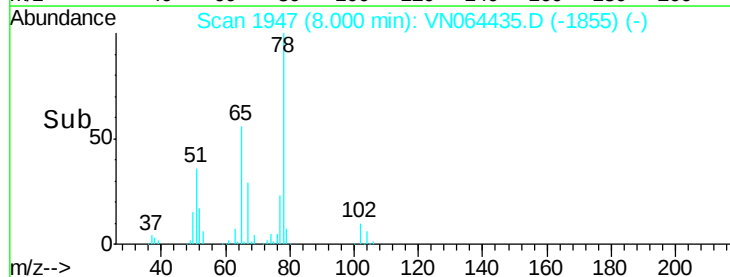
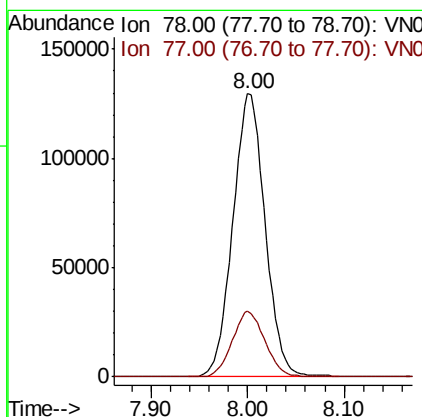
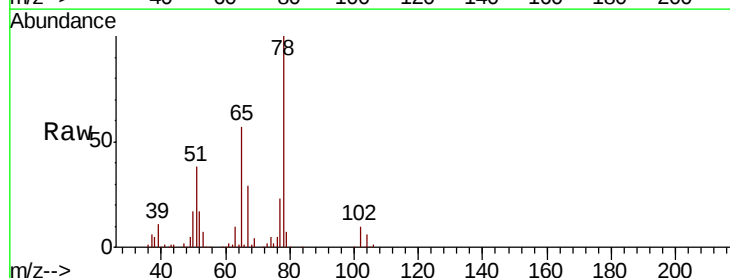
Manual Integrations
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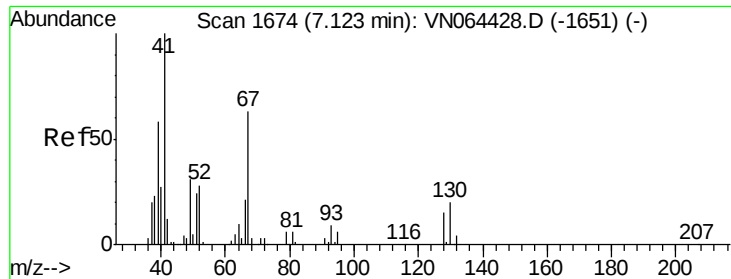
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#40
Benzene
Concen: 17.922 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





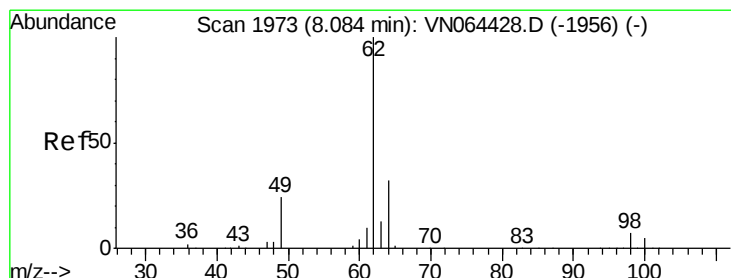
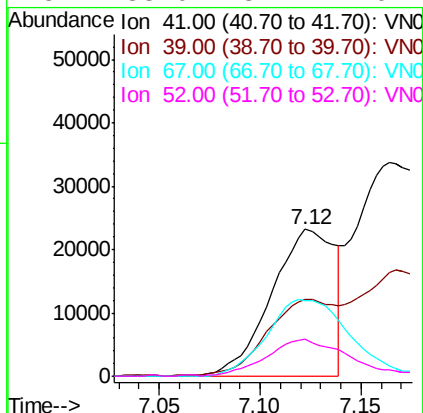
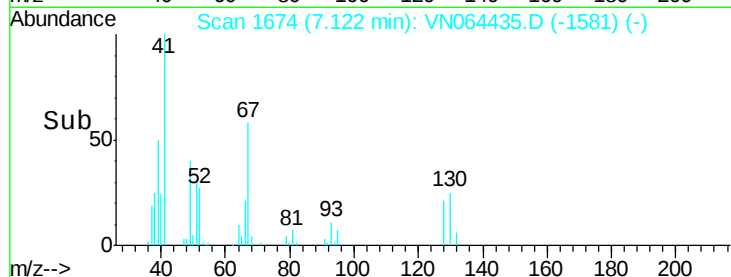
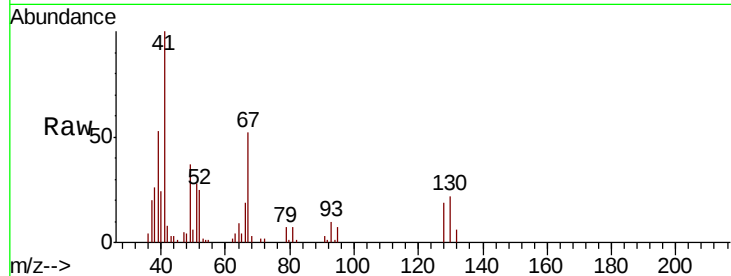
#41
Methacrylonitrile
Concen: 19.958 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

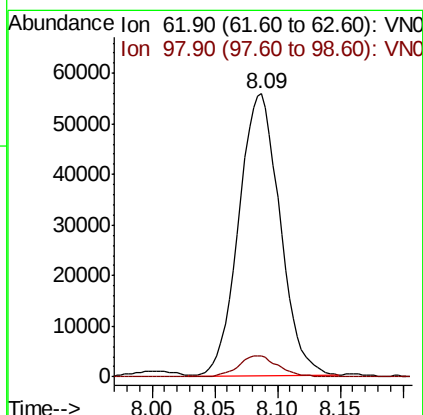
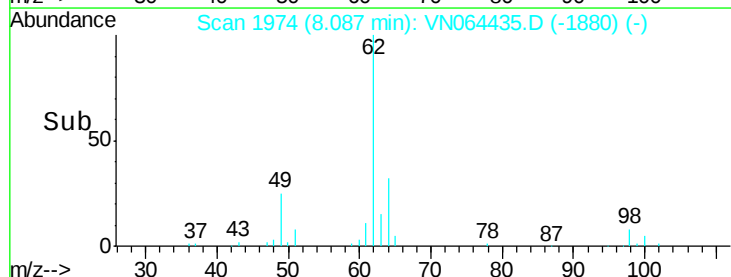
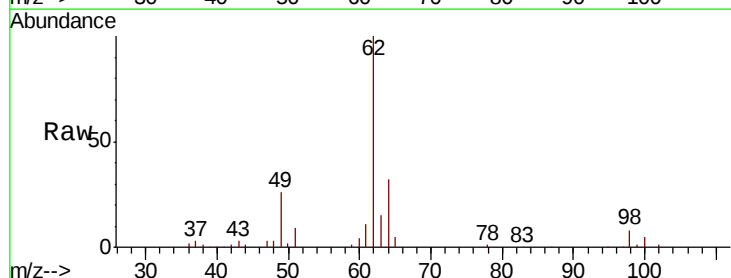
Manual Integrations
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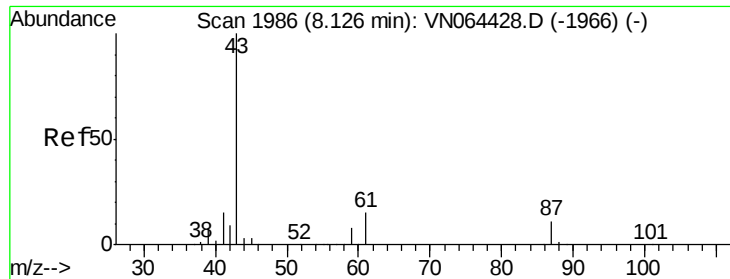
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#42
1,2-Dichloroethane
Concen: 18.821 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	14.0	





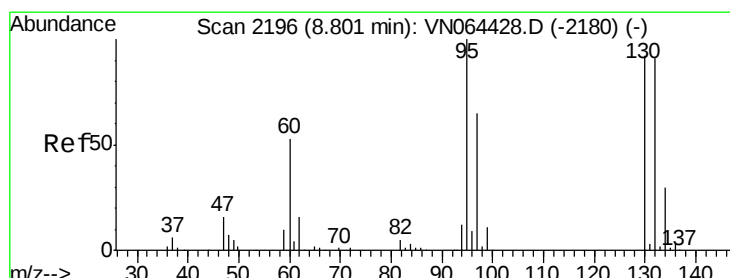
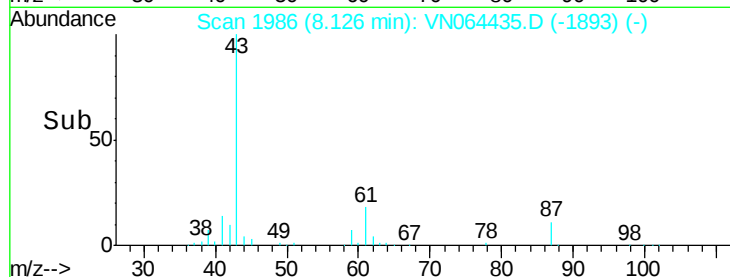
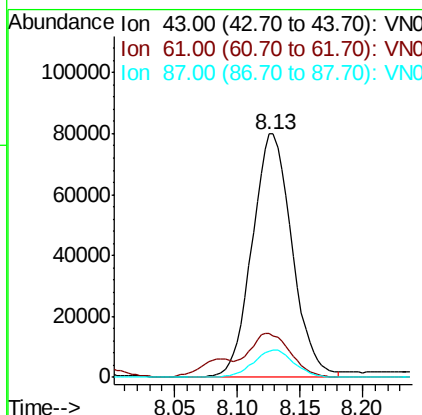
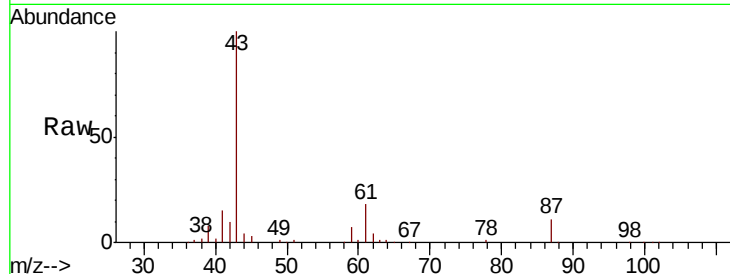
#43
Isopropyl Acetate
Concen: 18.958 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.0	21.0
87	11.5	9.1	13.7

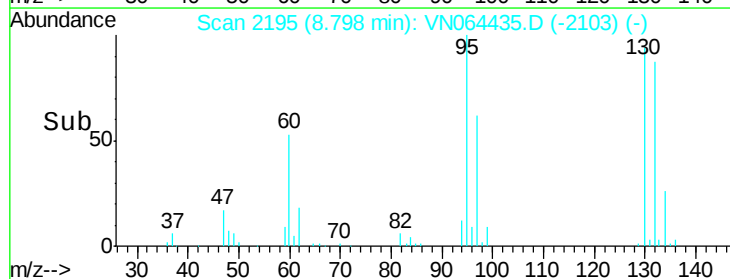
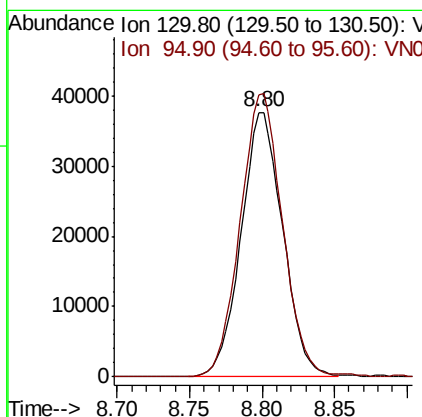
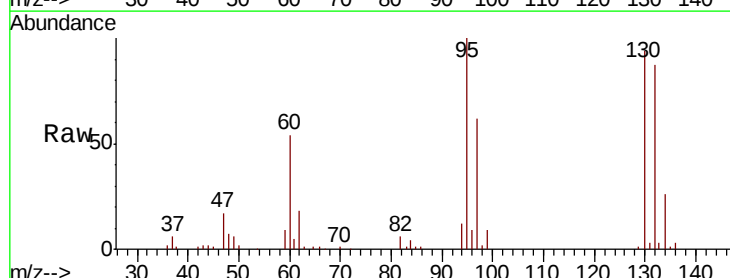
Manual Integrations
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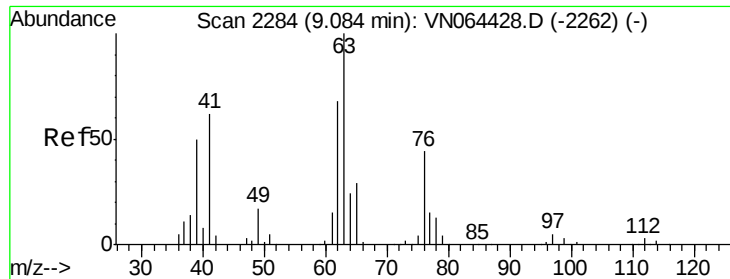
MMDadoda
11/5/2020 2:19:29 PM



#44
Trichloroethene
Concen: 17.818 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	216.8





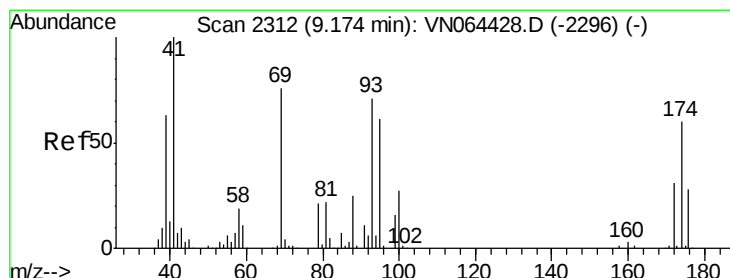
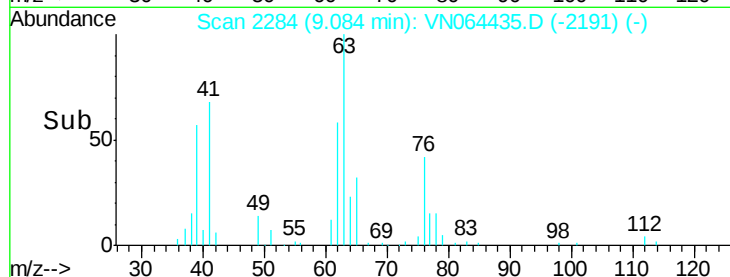
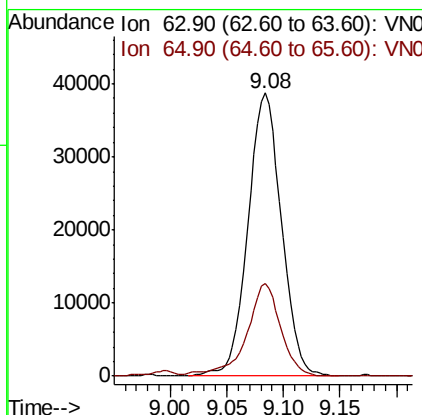
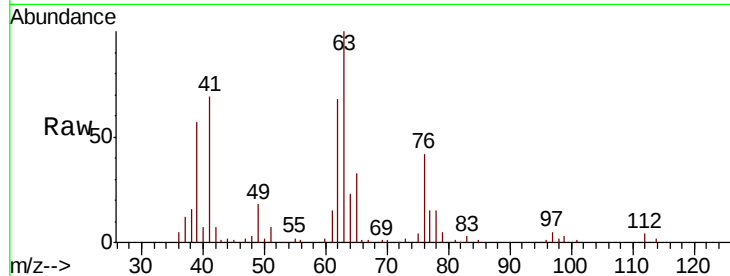
#45
 1,2-Dichloropropane
 Concen: 17.881 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

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

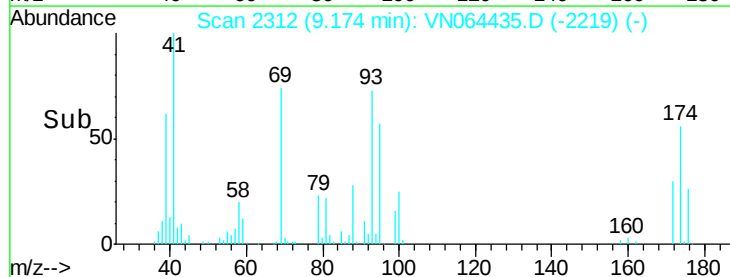
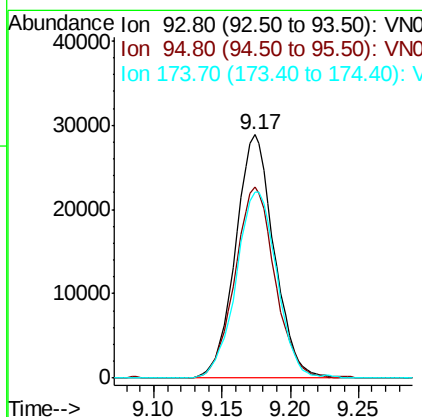
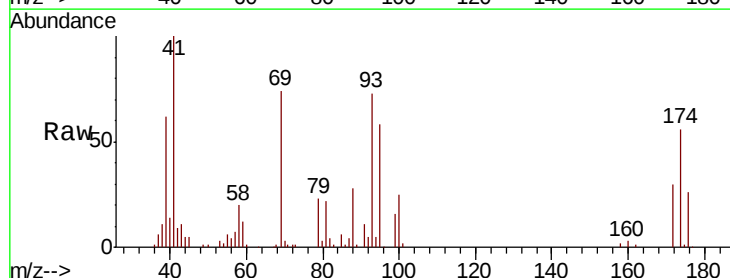
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#46
 Dibromomethane
 Concen: 19.239 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

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





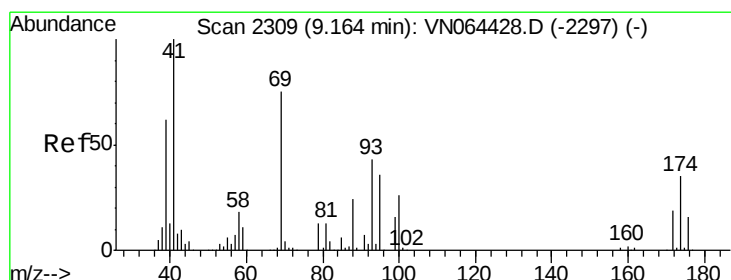
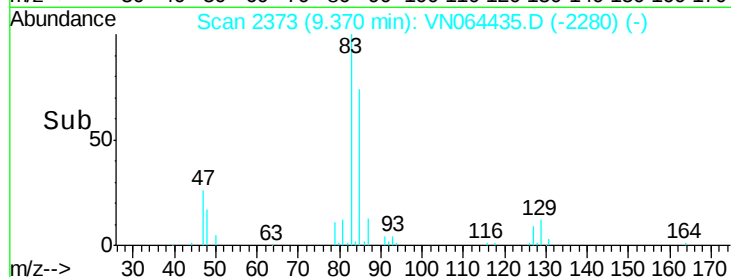
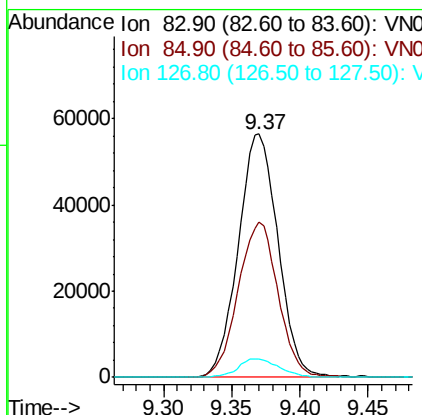
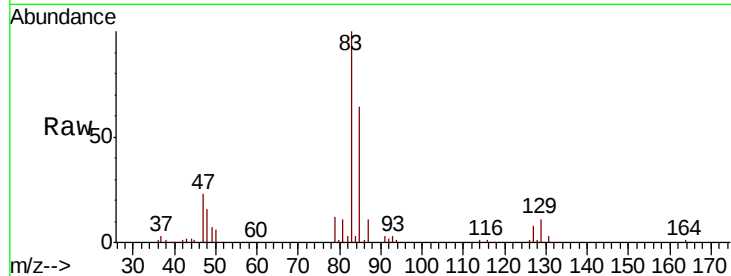
#47
Bromodichloromethane
Concen: 18.033 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

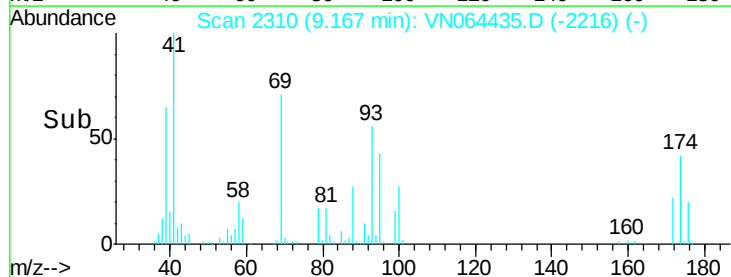
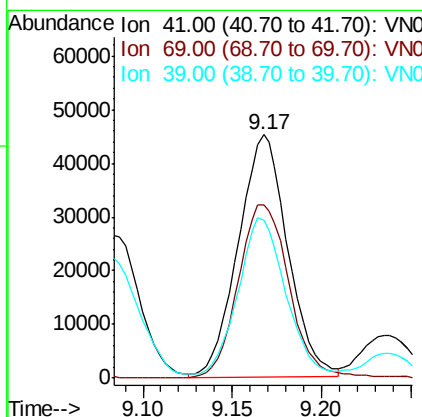
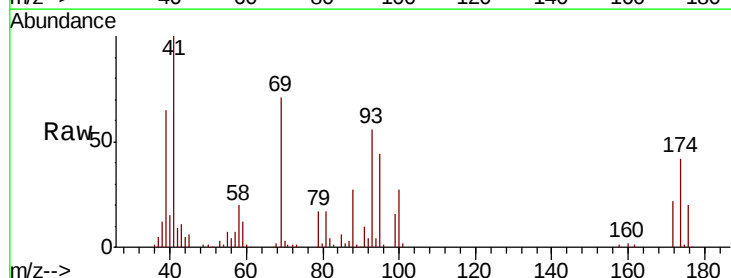
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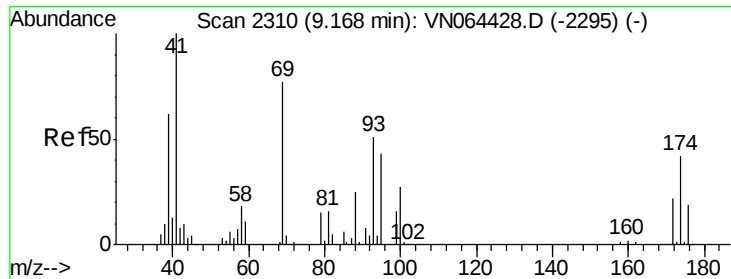
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#48
Methyl methacrylate
Concen: 18.817 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





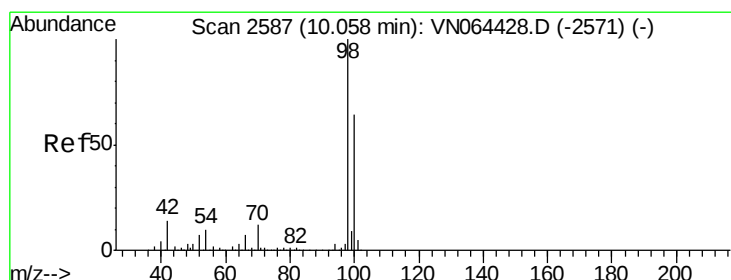
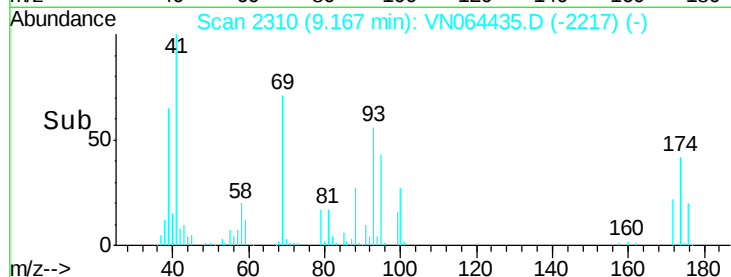
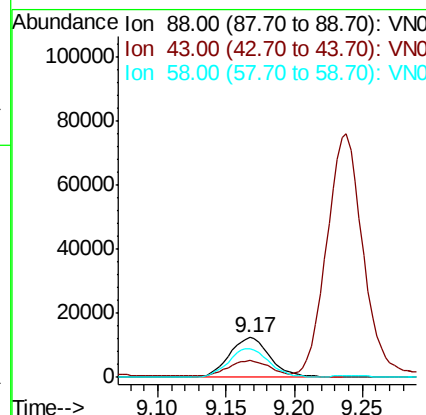
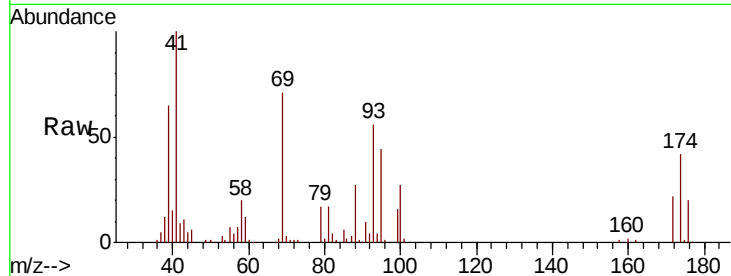
#49
1,4-Dioxane
Concen: 419.441 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampled :
VN1104MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	31.0	46.6
58	72.6	58.4	87.6

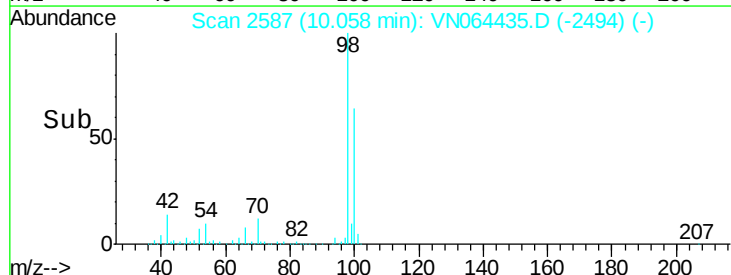
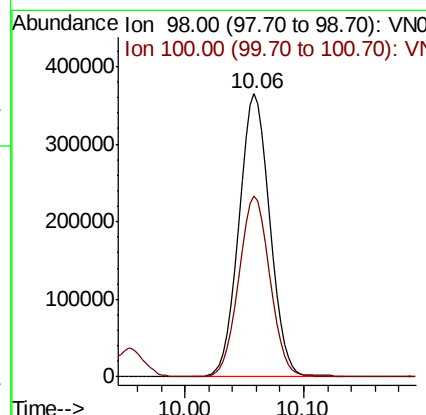
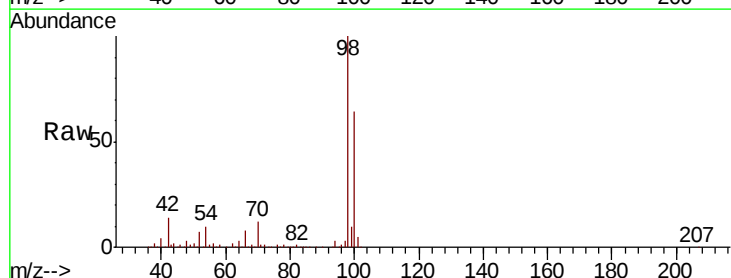
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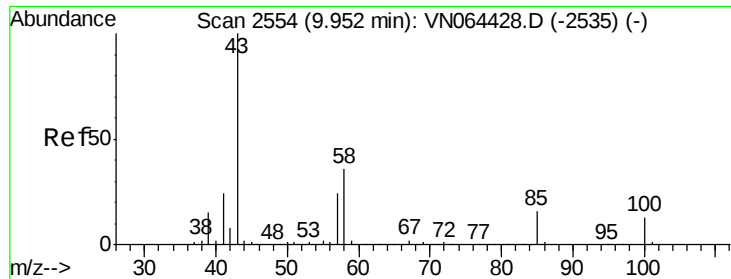
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#50
Toluene-d8
Concen: 46.295 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 98.614 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

Tot Ion: 43 Resp: 531513

Ion Ratio Lower Upper

43 100

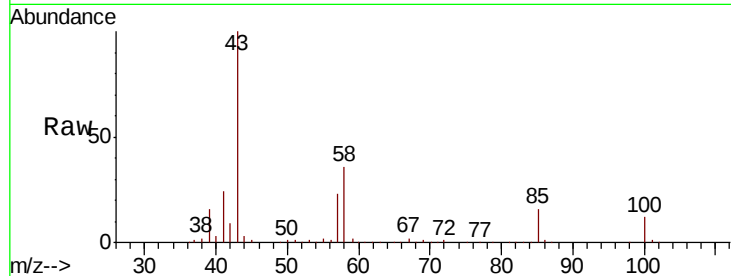
58 35.9 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

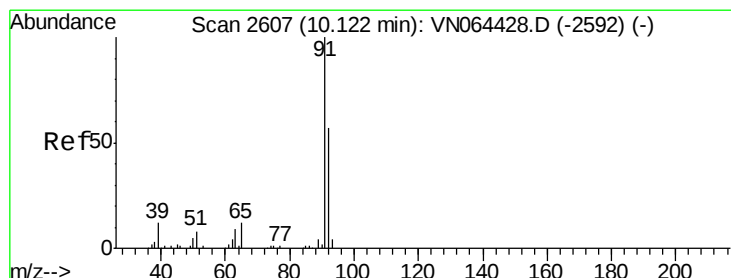
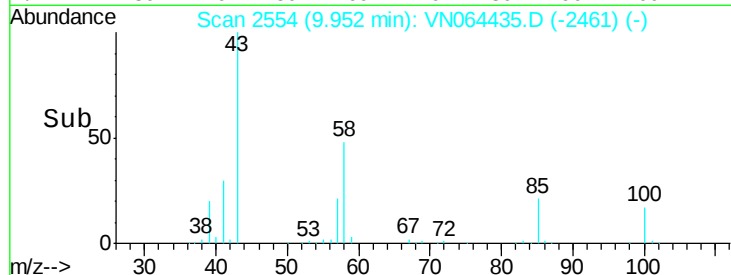
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.280 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064435.D

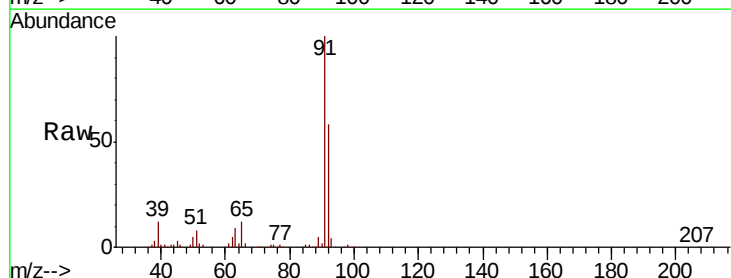
Acq: 4 Nov 2020 14:47

Tgt Ion: 92 Resp: 186839

Ion Ratio Lower Upper

92 100

91 172.4 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

200000

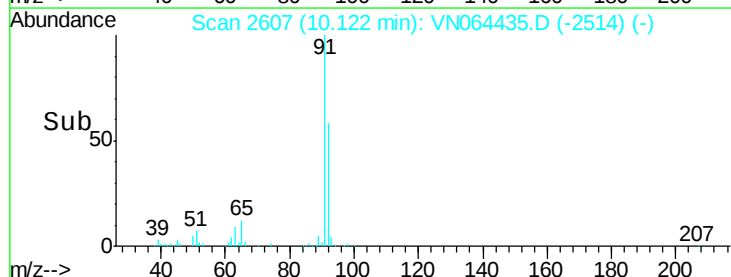
150000

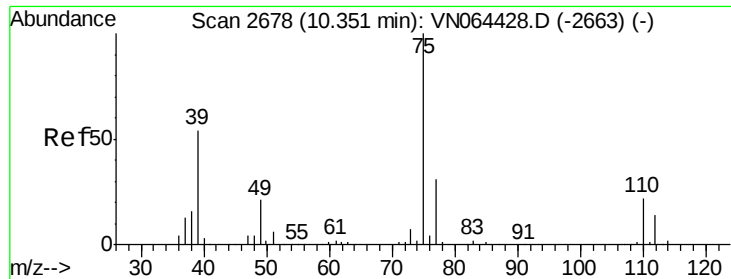
100000

50000

0

Time-->





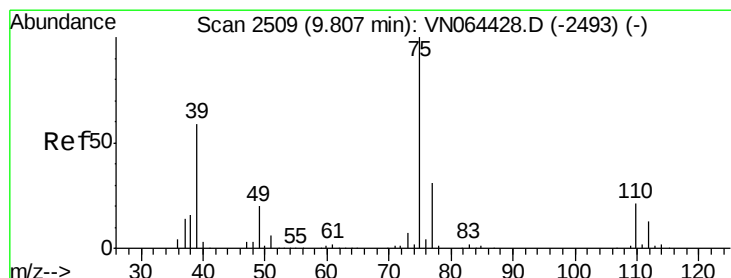
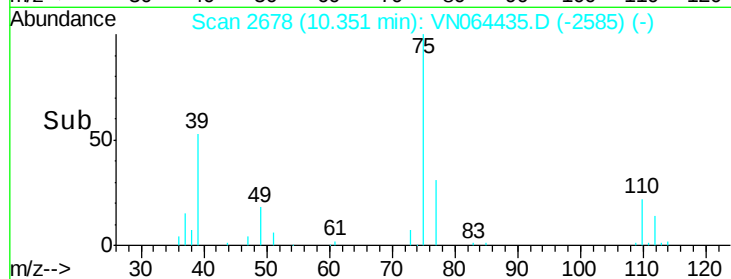
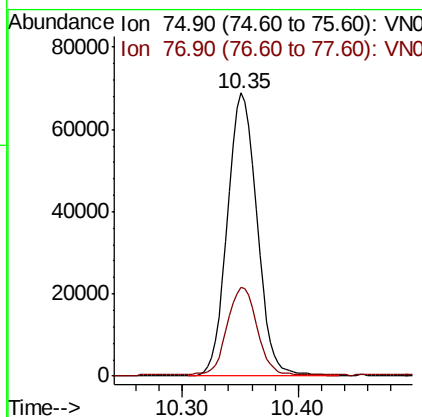
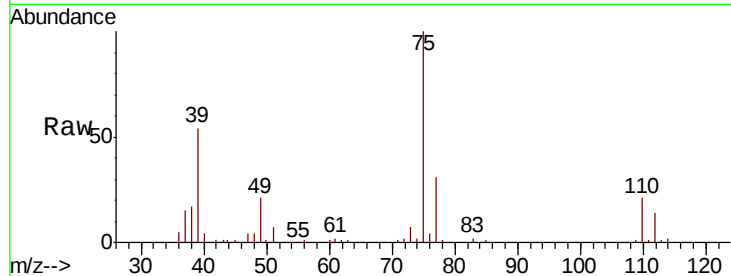
#53
t-1,3-Dichloropropene
Concen: 18.197 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion: 75 Resp: 122102
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2

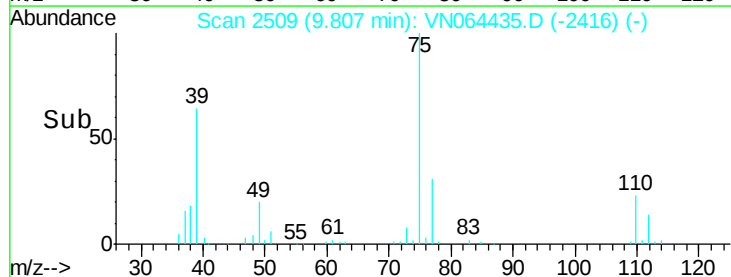
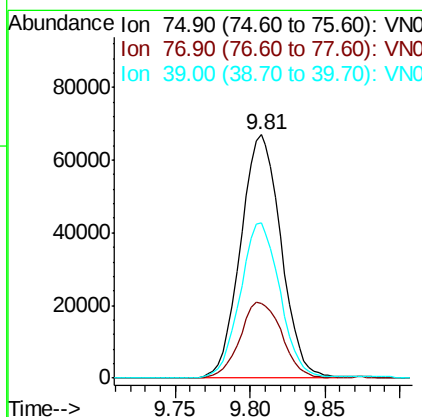
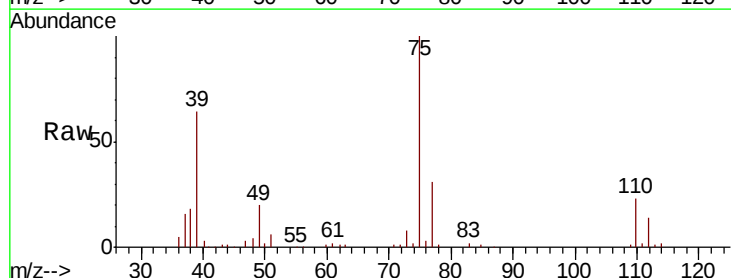
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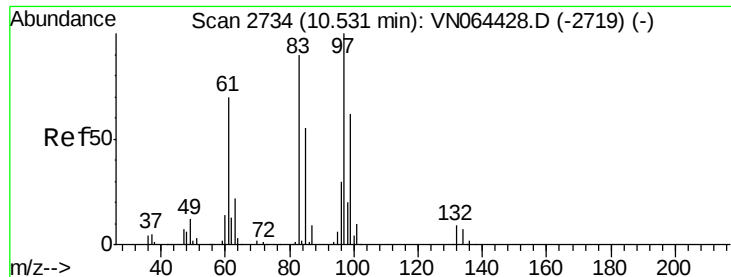
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#54
cis-1,3-Dichloropropene
Concen: 17.550 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 75 Resp: 125910
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3
39 63.2 47.1 70.7





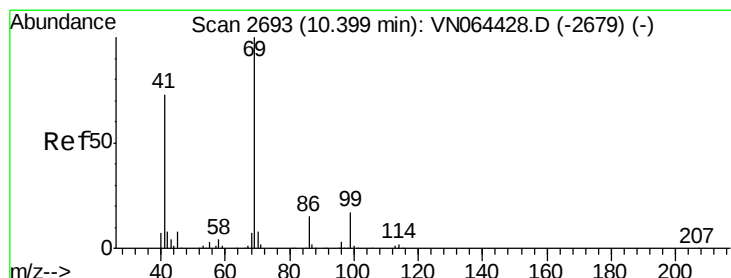
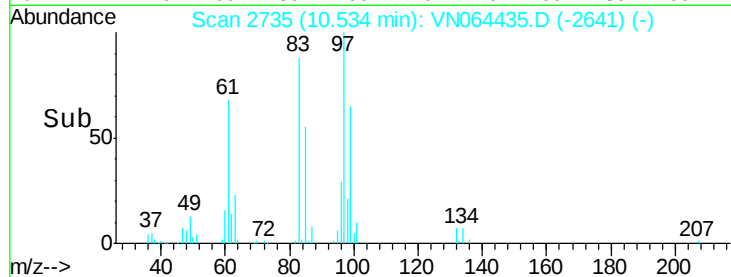
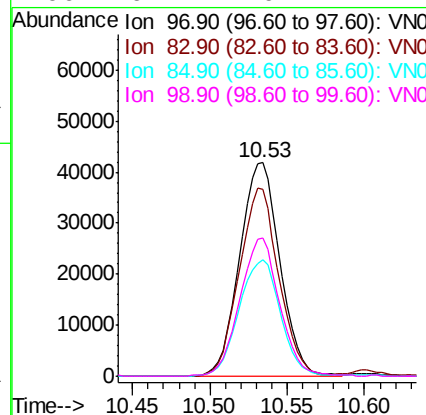
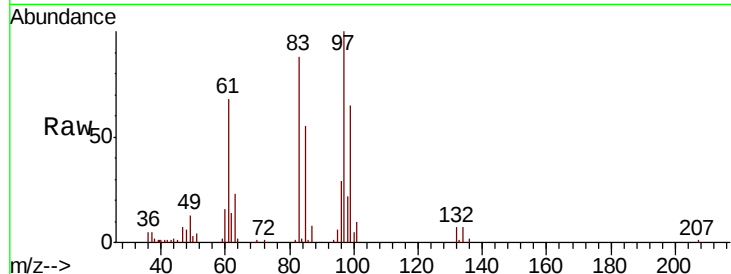
#55
 1,1,2-Trichloroethane
 Concen: 19.002 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

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

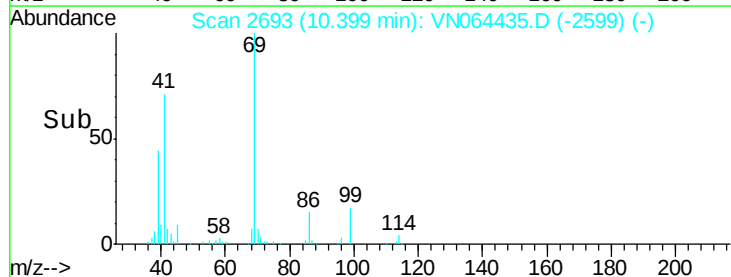
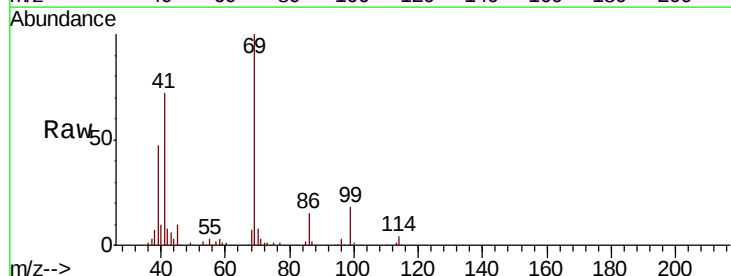
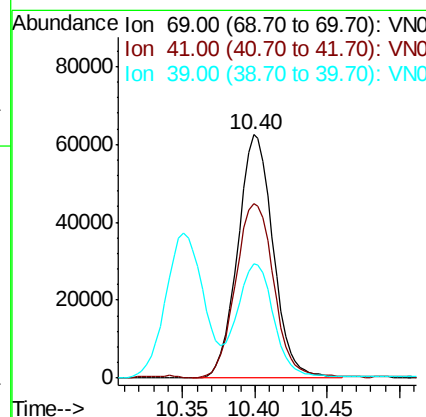
Manual Integrations
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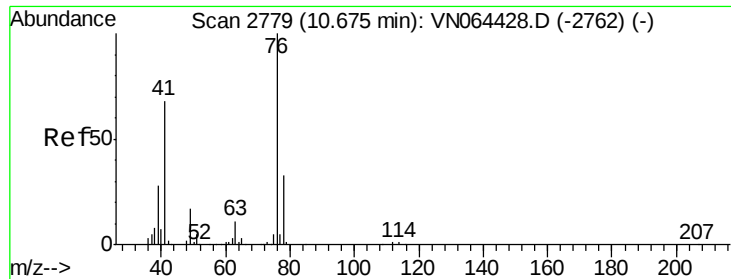
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#56
 Ethyl methacrylate
 Concen: 17.441 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

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





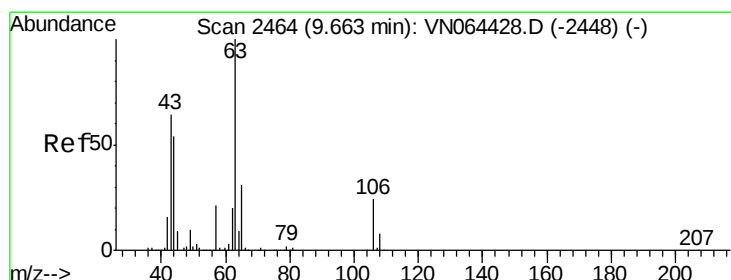
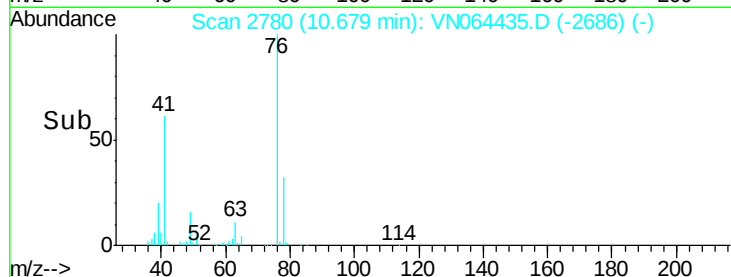
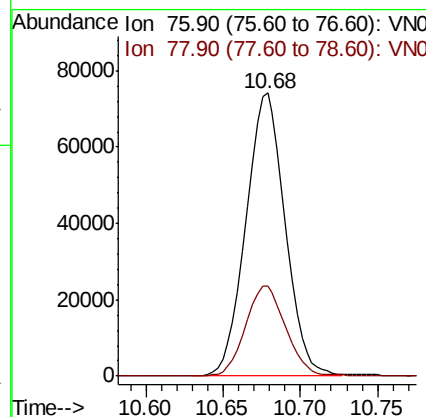
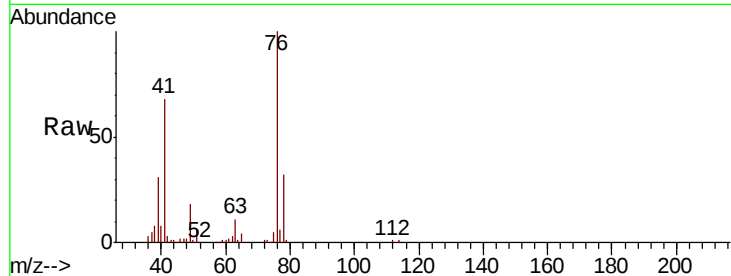
#57
 1,3-Dichloropropane
 Concen: 18.822 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

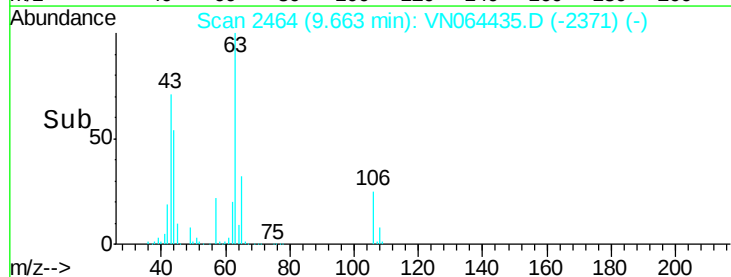
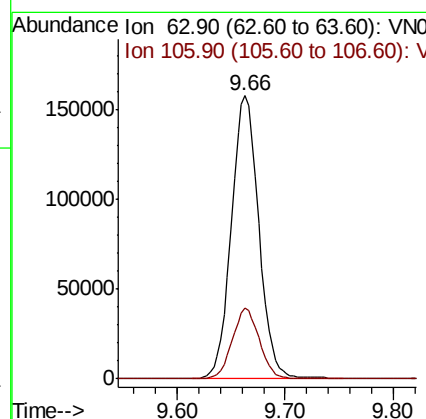
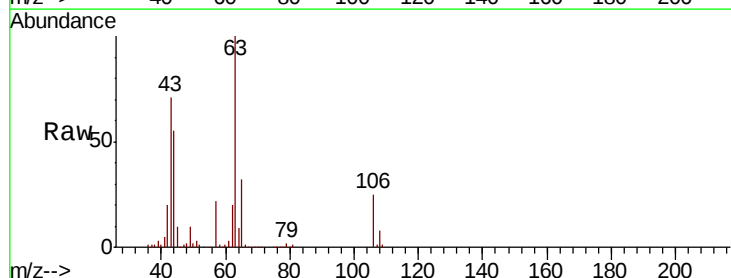
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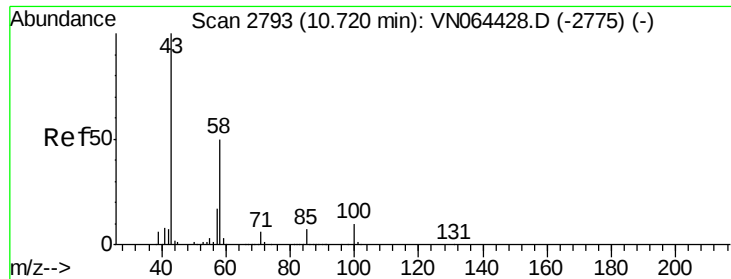
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.486 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	19.5	29.3





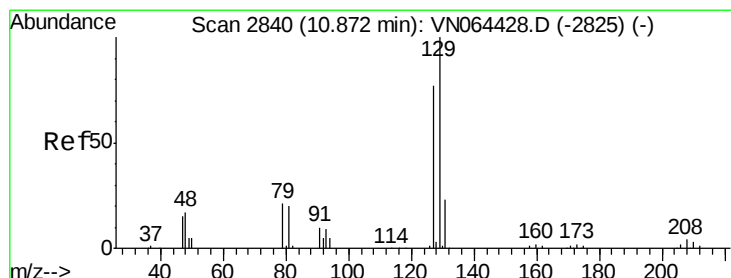
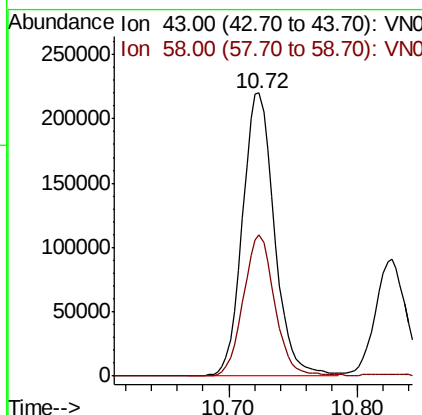
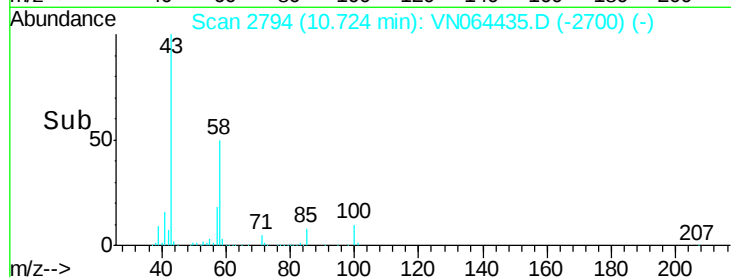
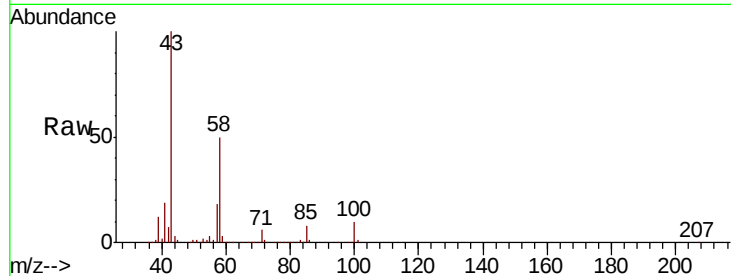
#59
2-Hexanone
Concen: 88.570 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion: 43 Resp: 377654
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1

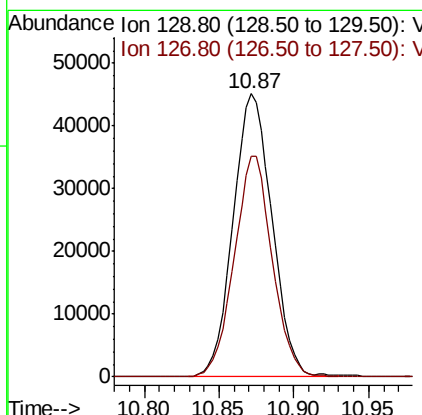
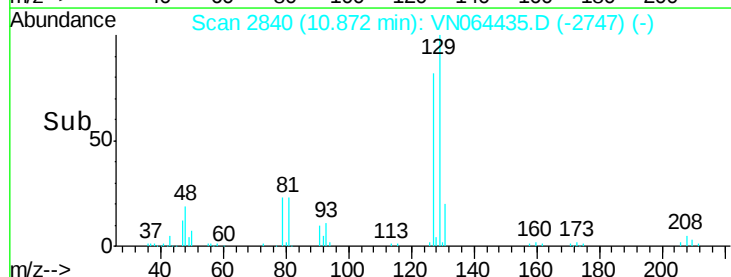
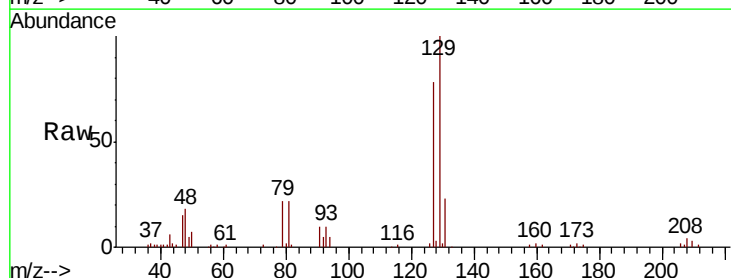
Manual Integrations
APPROVED

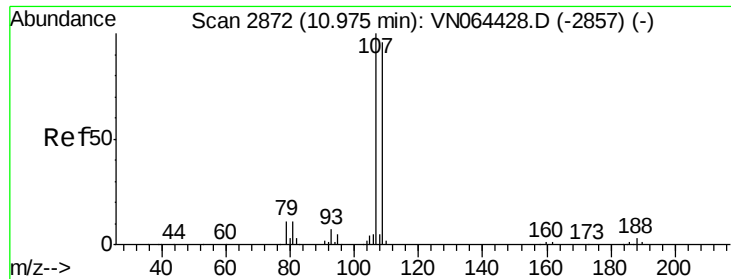
MMDadoda
11/5/2020 2:19:29 PM



#60
Dibromochloromethane
Concen: 18.306 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion: 129 Resp: 81698
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7





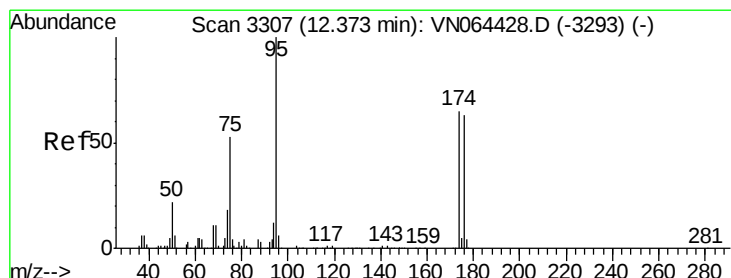
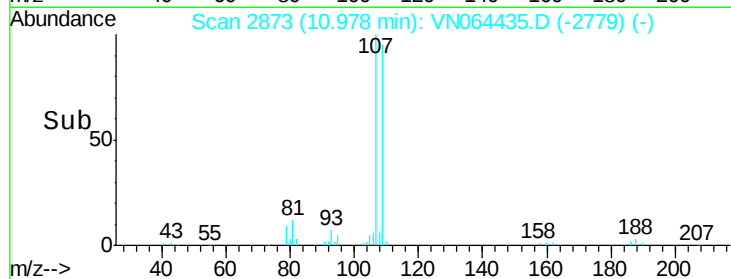
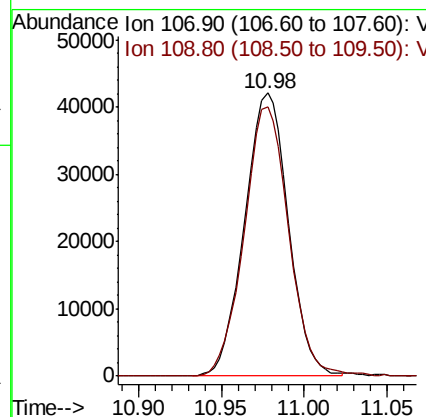
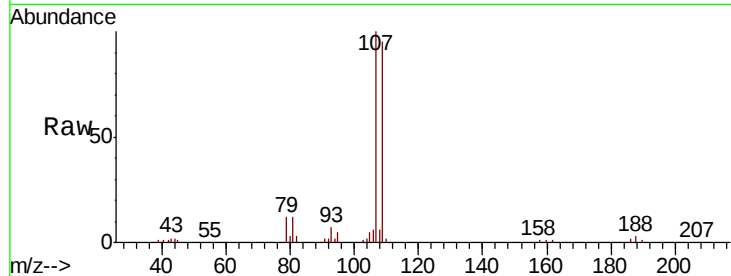
#61
 1,2-Dibromoethane
 Concen: 19.120 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.9	113.9

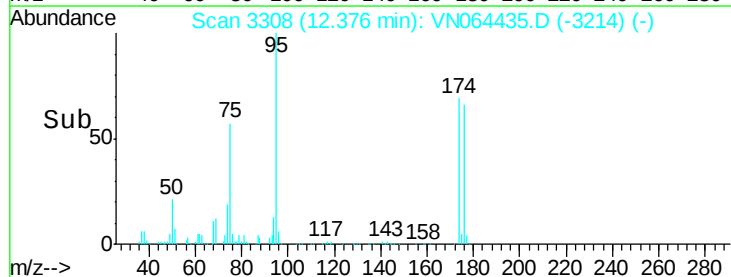
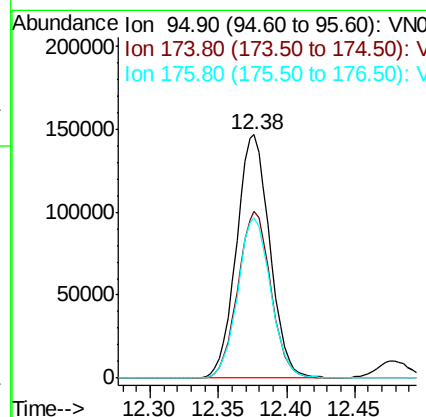
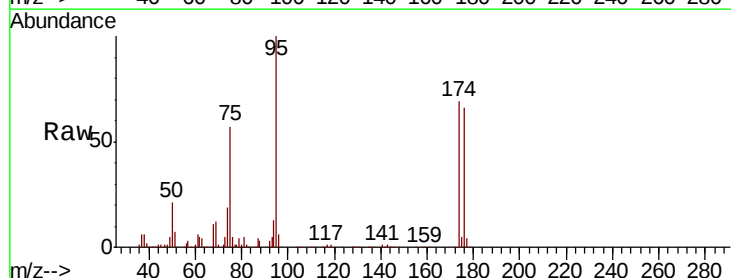
Manual Integrations
 APPROVED

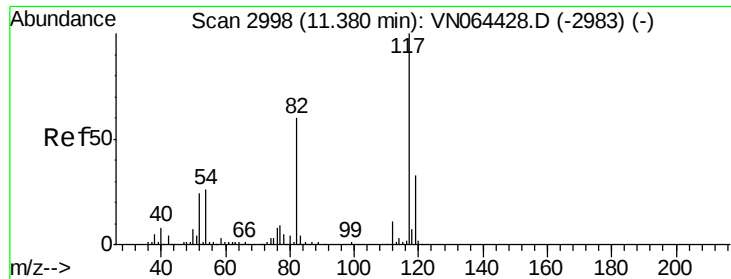
MMDadoda
 11/5/2020 2:19:29 PM



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

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





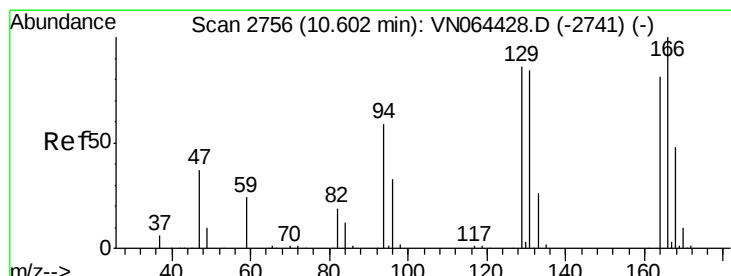
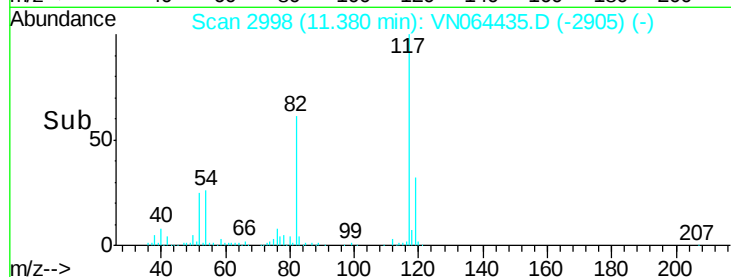
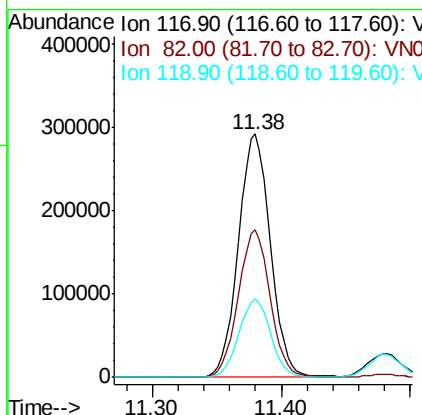
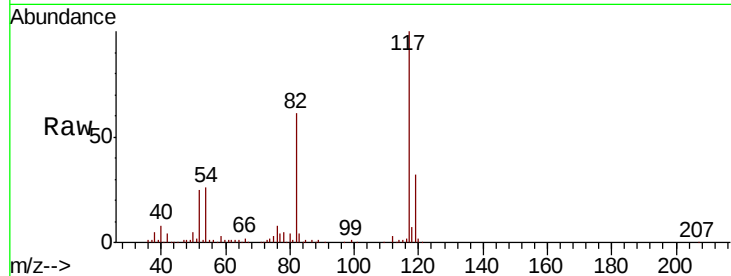
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

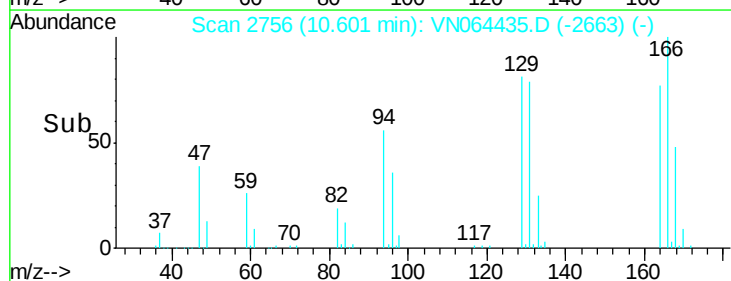
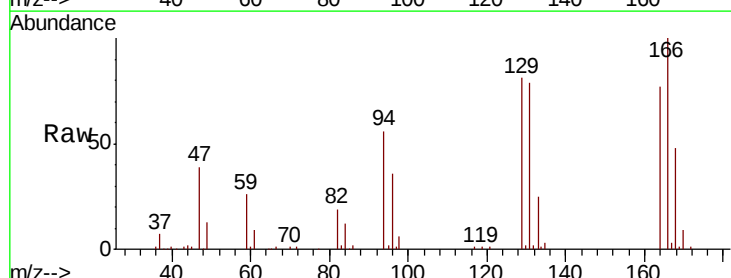
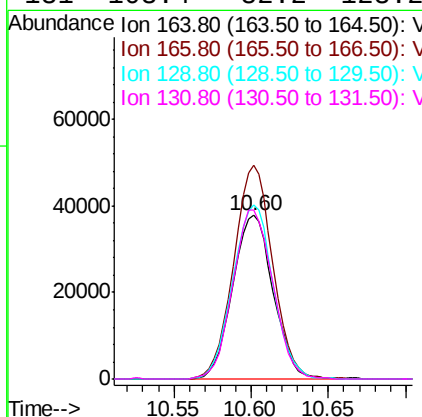
Manual Integrations
APPROVED

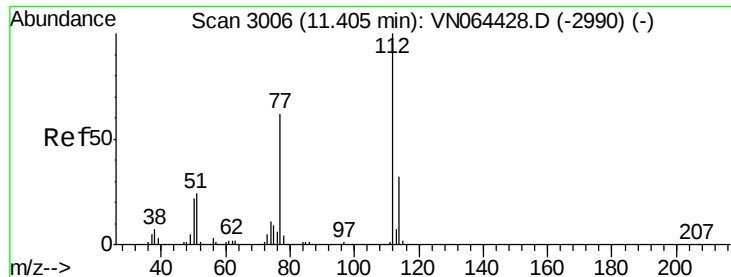
MMDadoda
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#64
Tetrachloroethene
Concen: 17.647 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





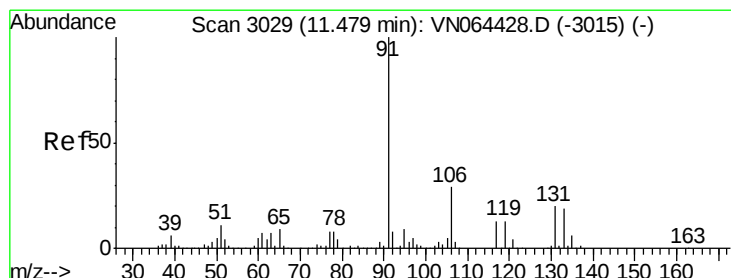
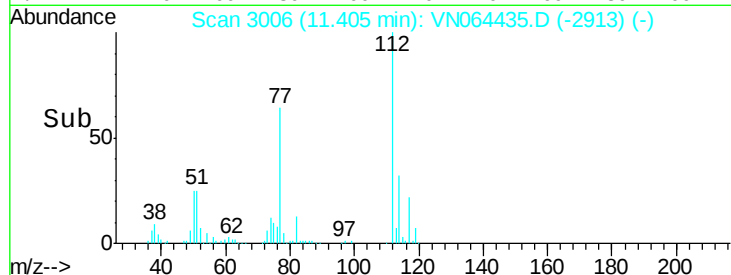
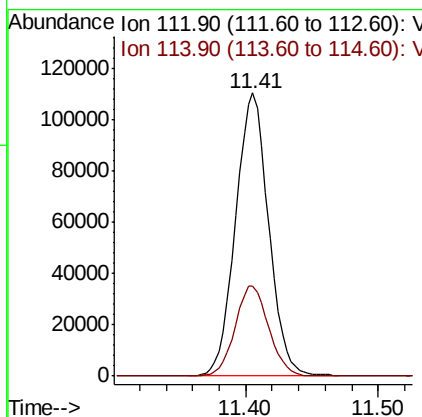
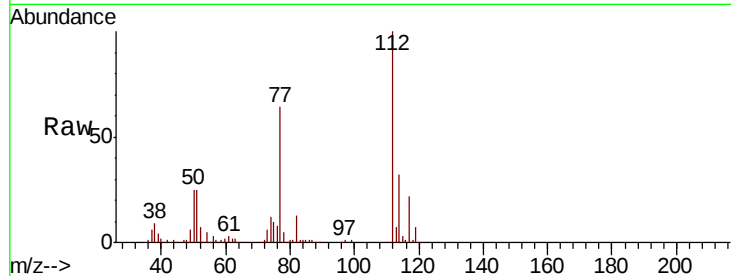
#65
Chlorobenzene
Concen: 17.296 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

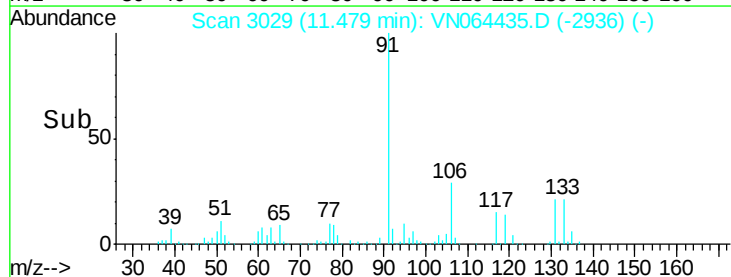
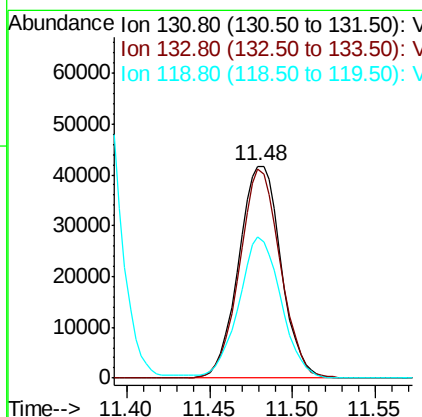
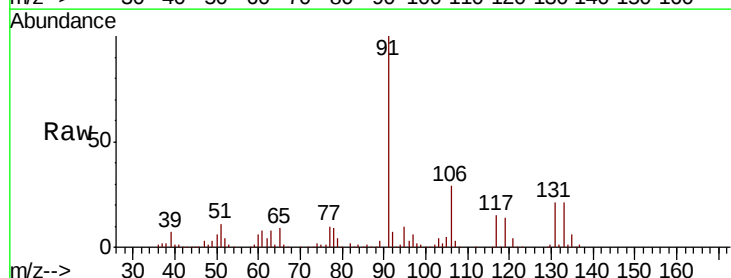
Manual Integrations
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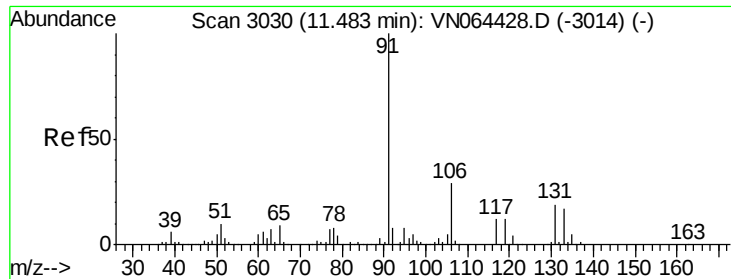
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.925 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





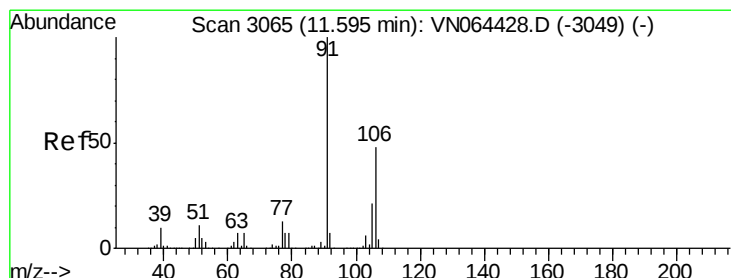
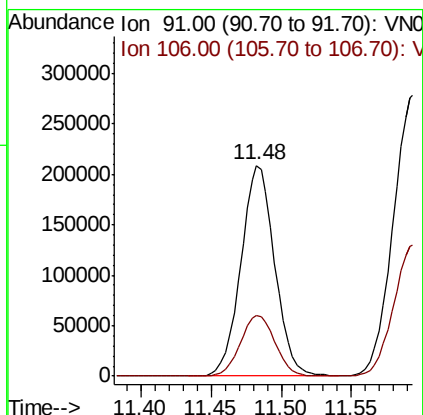
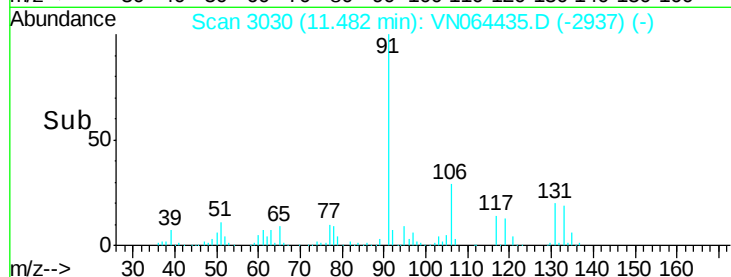
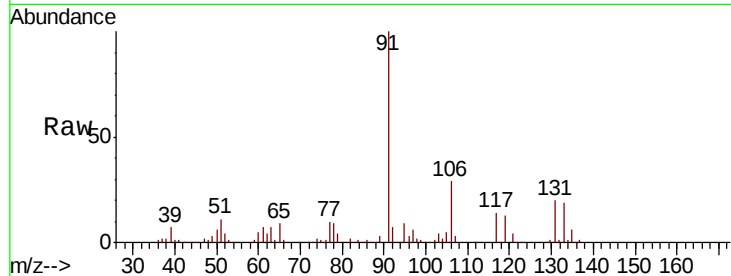
#67
Ethyl Benzene
Concen: 17.781 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampled :
VN1104MBS01

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

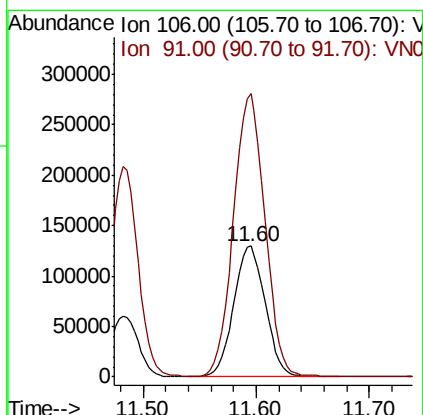
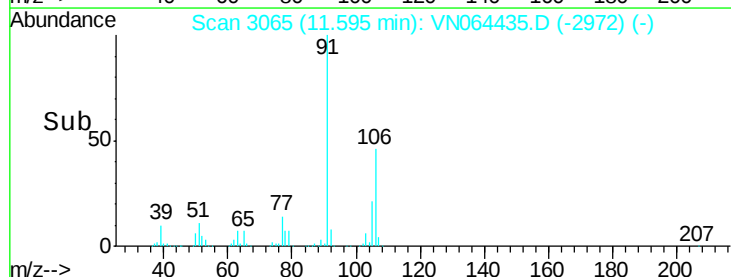
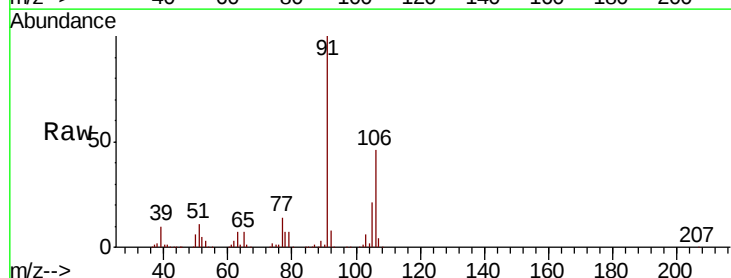
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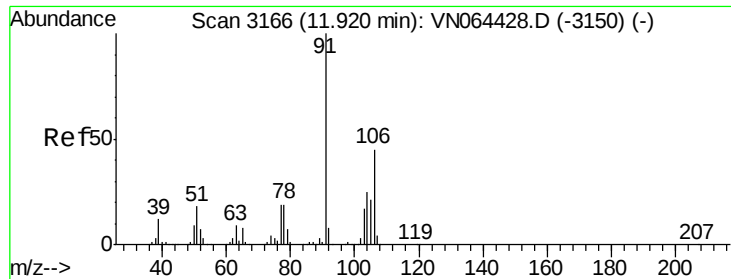
MMDadoda
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#68
m/p-Xylenes
Concen: 35.286 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





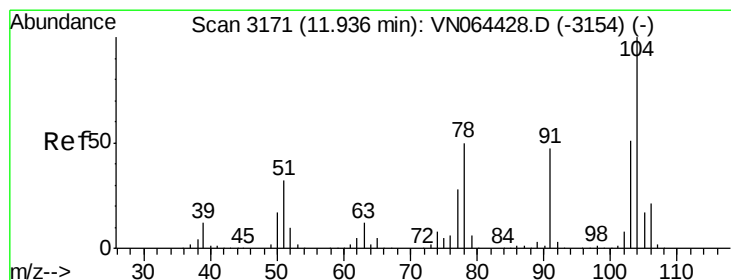
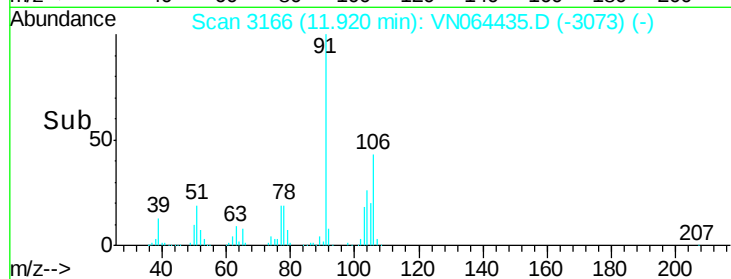
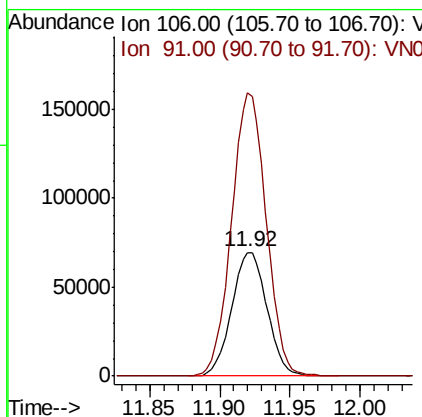
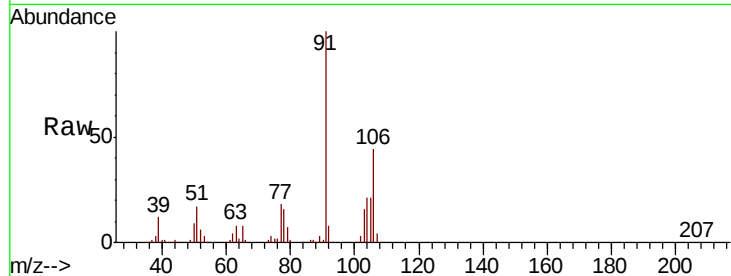
#69
o-Xylene
Concen: 17.674 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

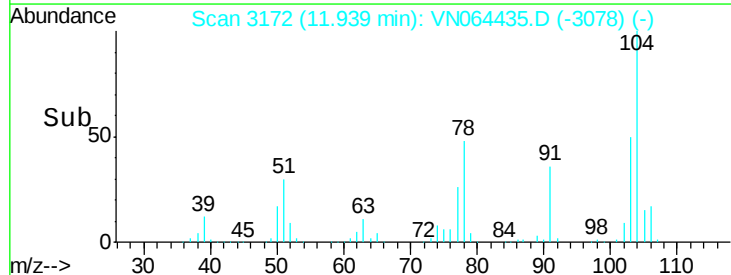
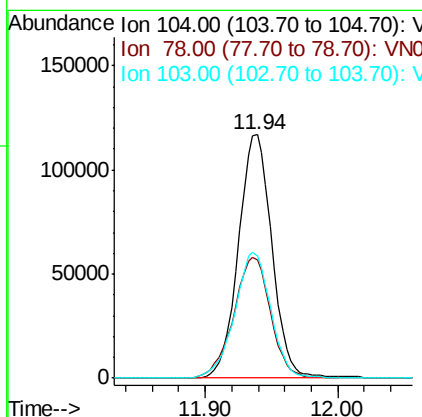
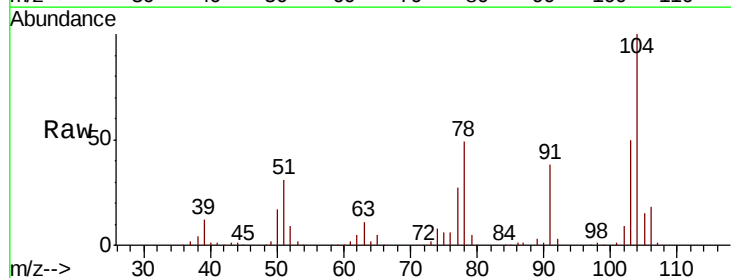
Manual Integrations
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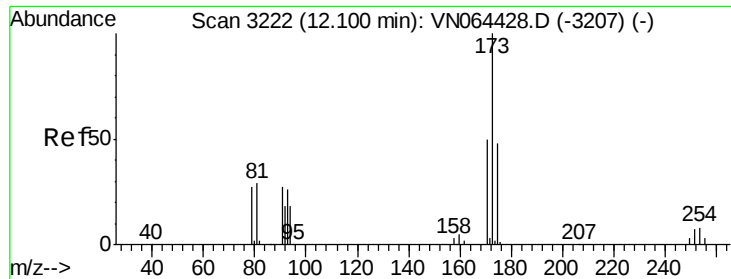
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#70
Styrene
Concen: 17.683 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

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





#71

Bromoform

Concen: 17.385 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

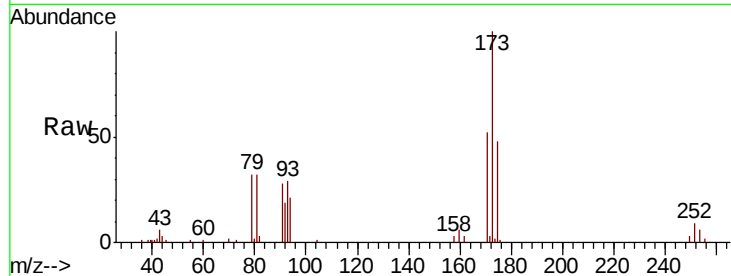
ClientSampleId :

VN1104MBS01

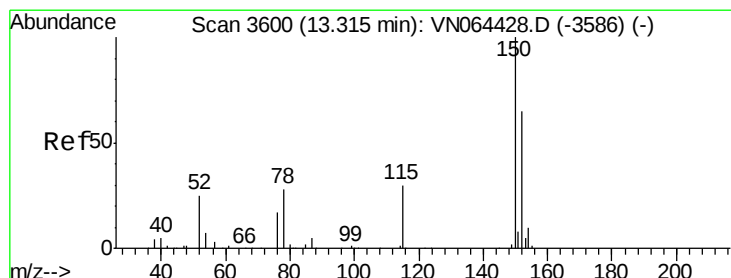
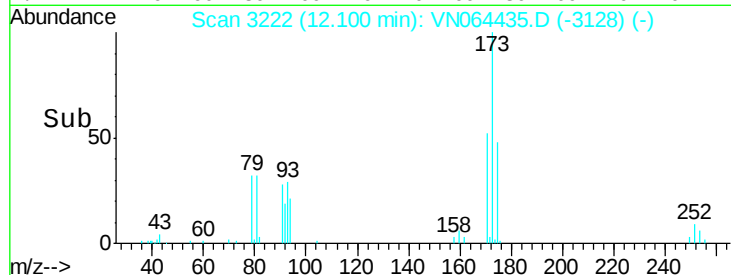
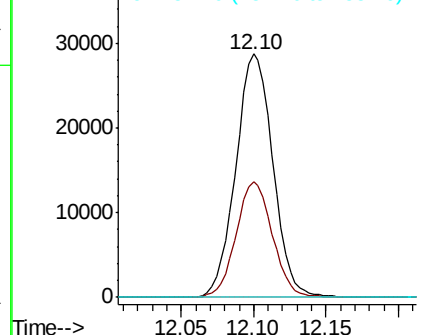
Tot Ion:	173	Resp:	51192
Ion Ratio	Lower	Upper	
173	100		
175	46.3	23.7	71.1
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

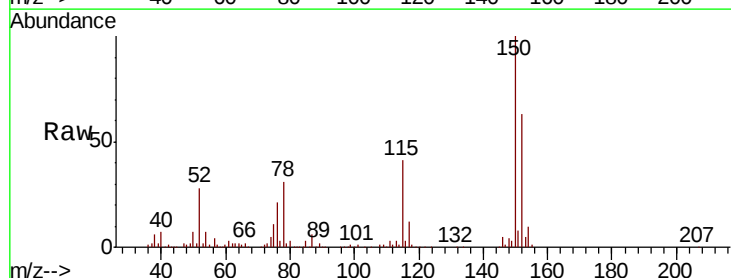
RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

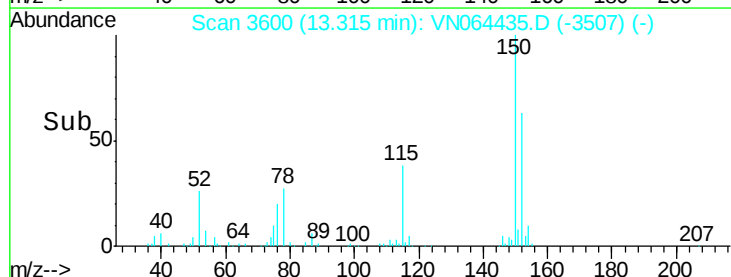
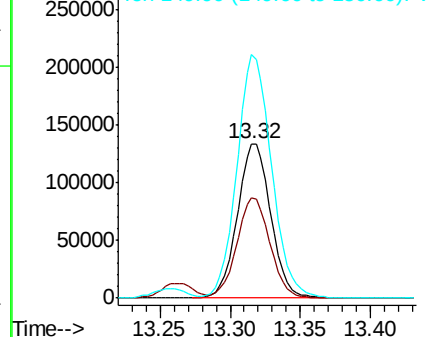
Lab File: VN064435.D

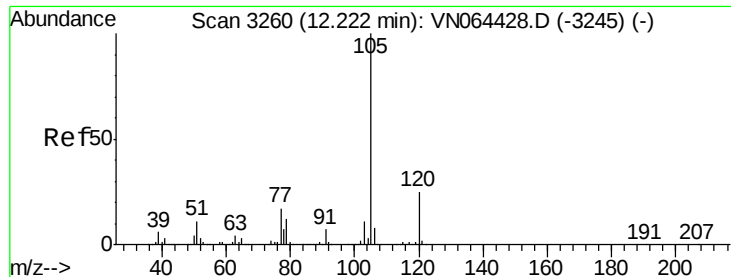
Acq: 4 Nov 2020 14:47

Tgt Ion:	152	Resp:	221972
Ion Ratio	Lower	Upper	
152	100		
115	64.3	32.0	96.0
150	162.8	0.0	353.8



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





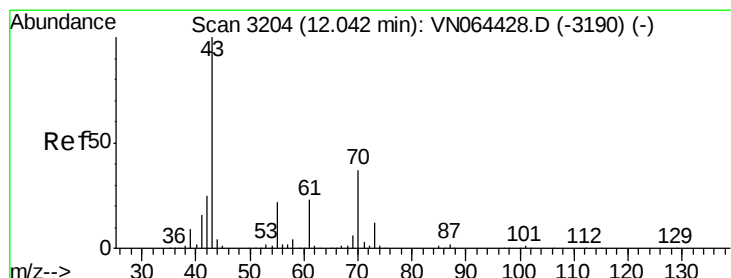
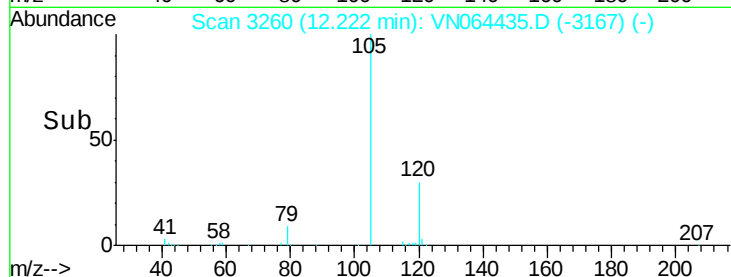
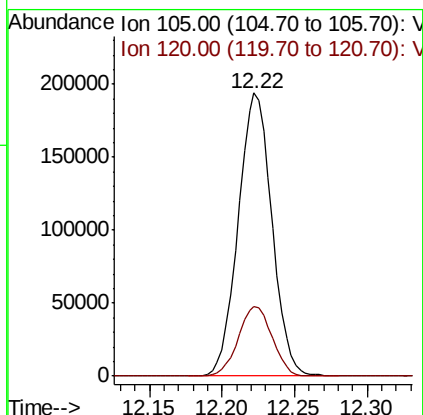
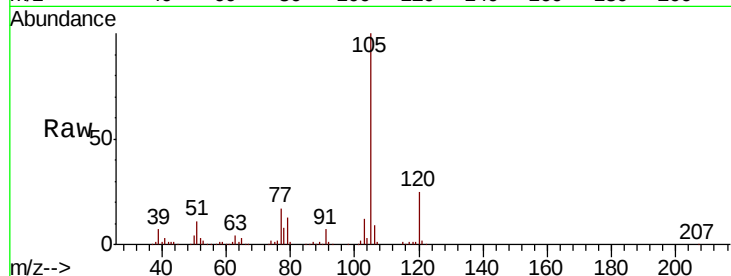
#73
Isopropylbenzene
Concen: 17.768 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.8	38.3

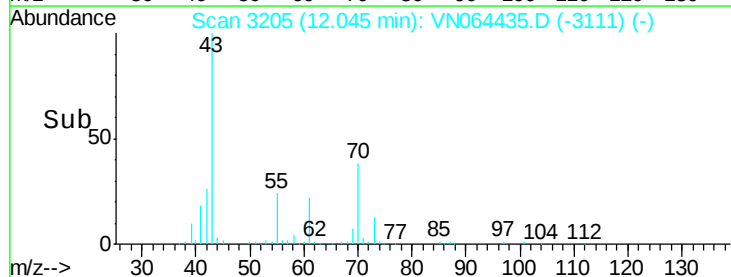
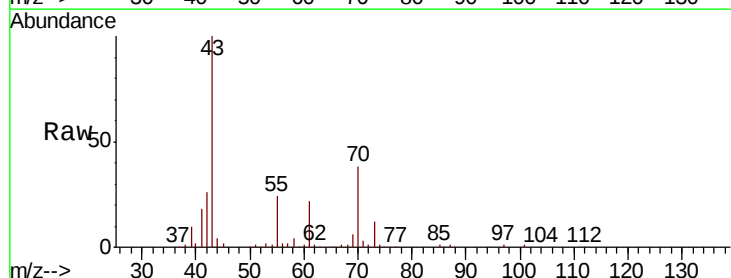
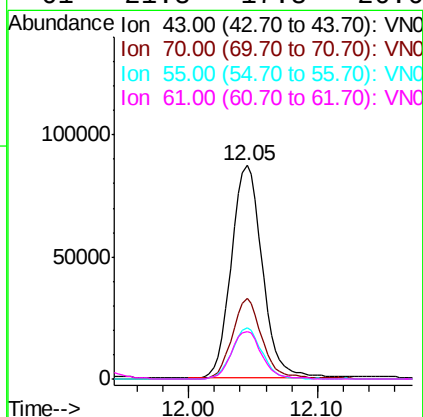
Manual Integrations
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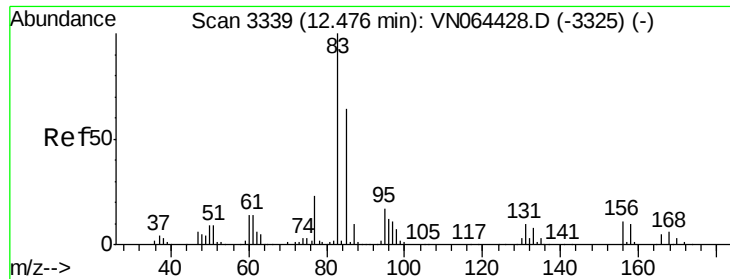
MMDadoda
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#74
N-ethyl acetate
Concen: 17.919 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.3	29.6	44.4
55	23.0	18.4	27.6
61	21.8	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.196 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

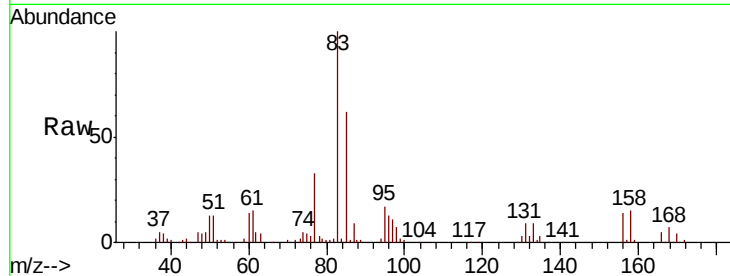
ClientSampleId :

VN1104MBS01

Tot Ion:	83	Resp:	104025
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	62.1	32.1	96.5

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

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

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

12.48

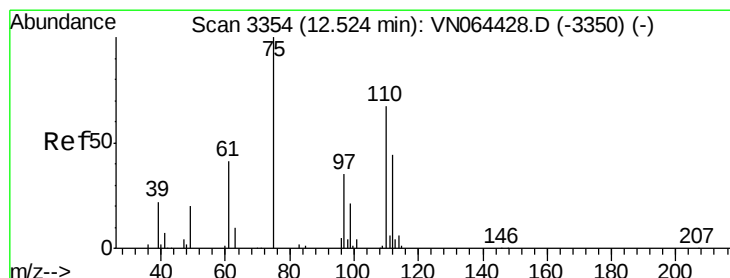
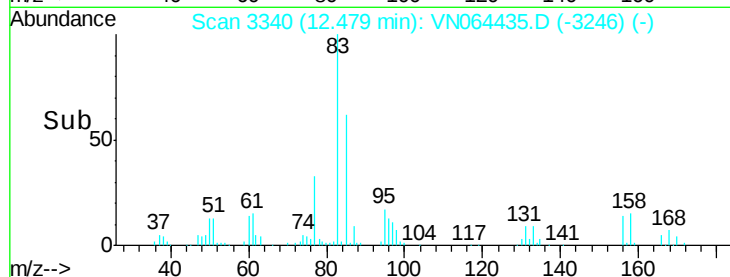
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 18.256 ug/l m

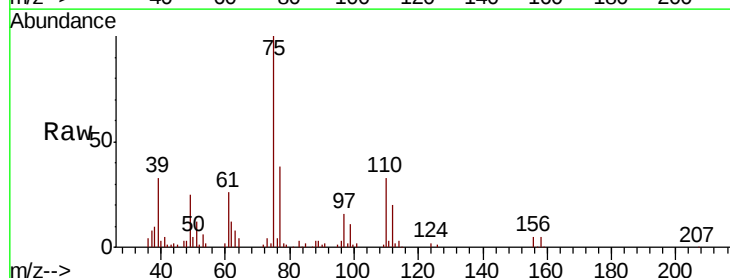
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion:	75	Resp:	98187
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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

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

12.53

100000

80000

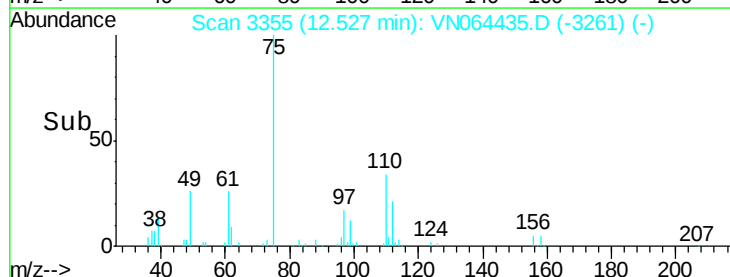
60000

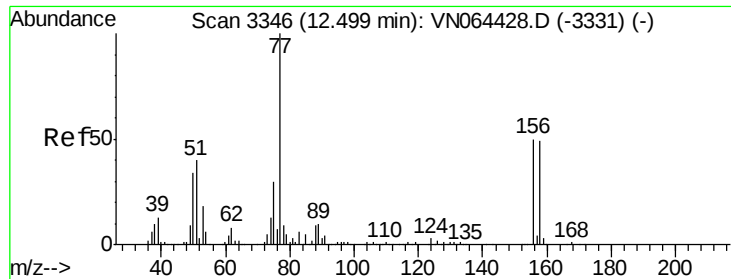
40000

20000

0

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 17.577 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

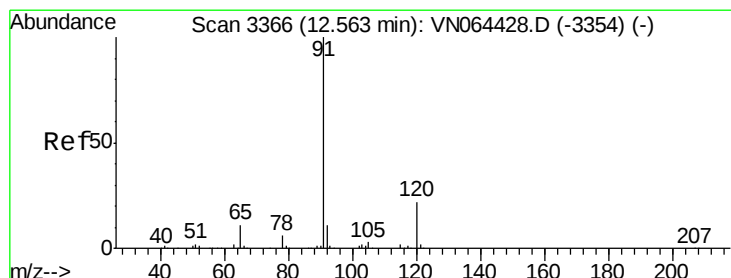
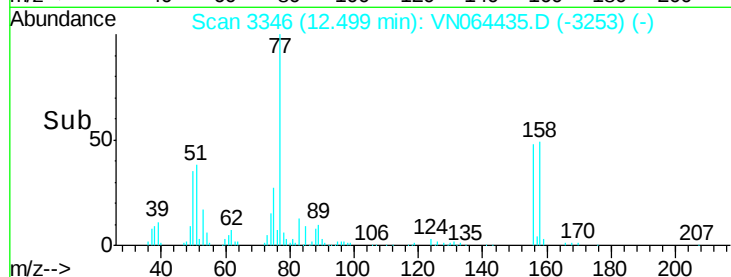
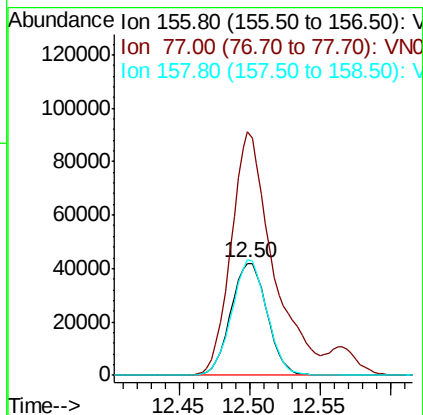
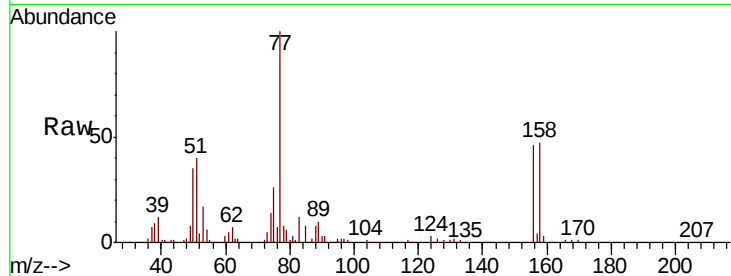
ClientSampleId :

VN1104MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	247.9	119.0	357.0	
158	99.5	48.4	145.3	

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#78

n-propylbenzene

Concen: 18.011 ug/l

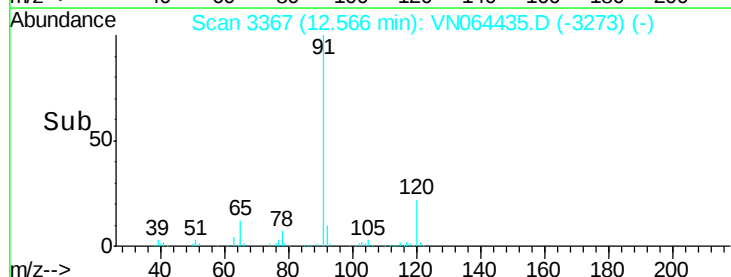
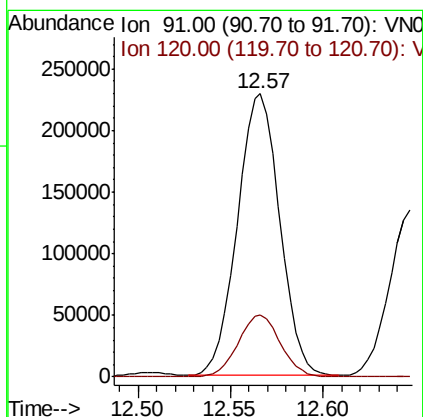
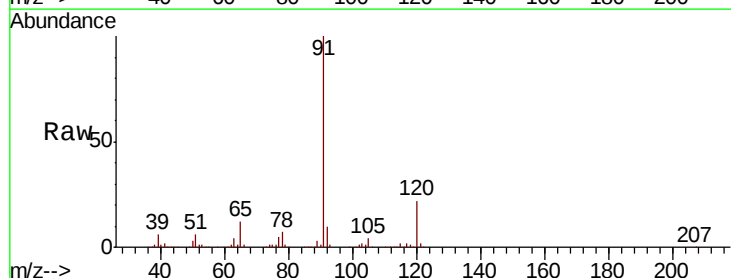
RT: 12.57 min Scan# 3367

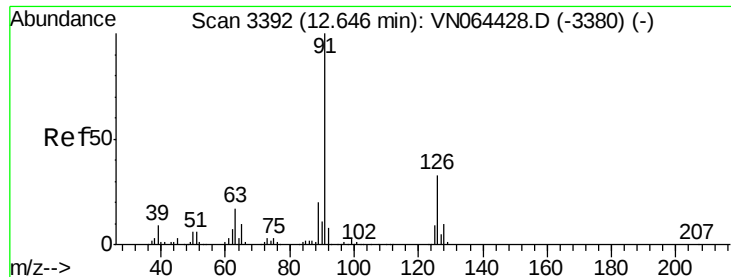
Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.0	33.0	





#79

2-Chlorotoluene

Concen: 17.976 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

Tot Ion: 91 Resp: 229326

Ion Ratio Lower Upper

91 100

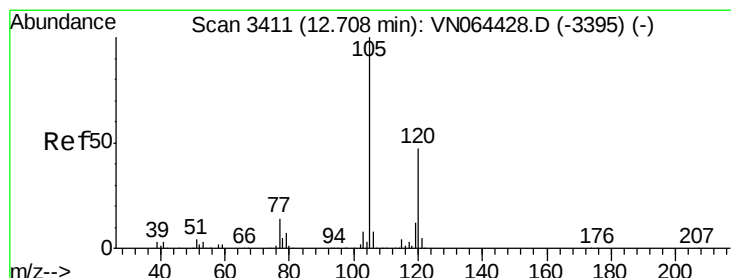
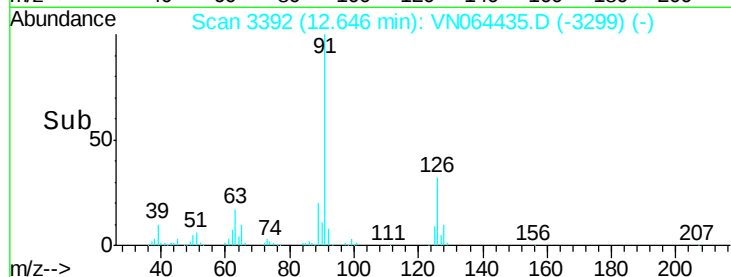
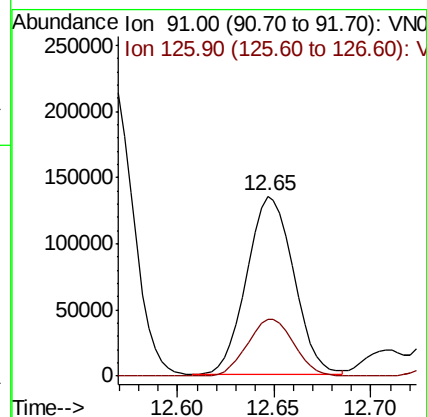
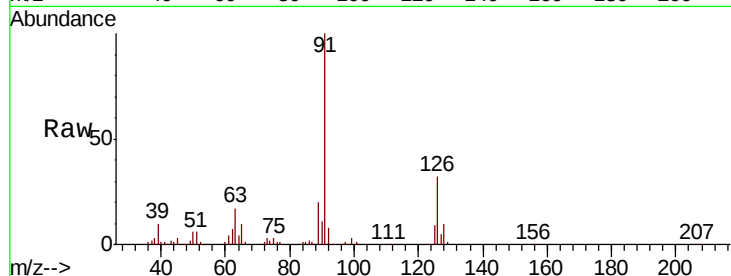
126 31.8 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.056 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064435.D

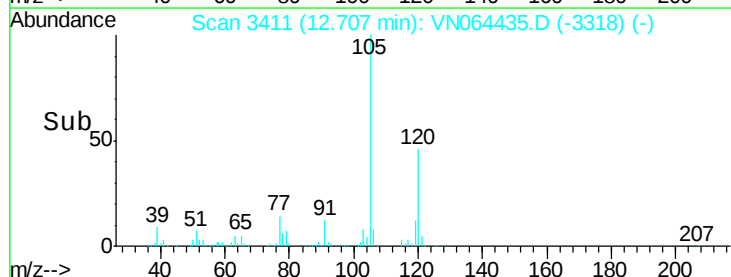
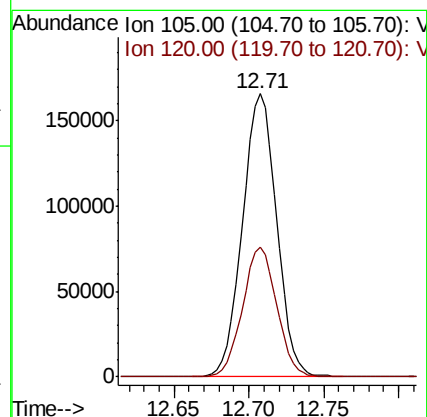
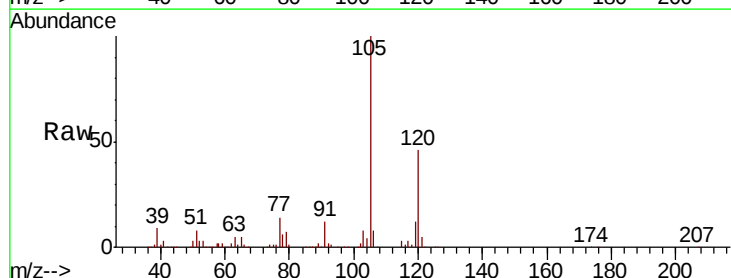
Acq: 4 Nov 2020 14:47

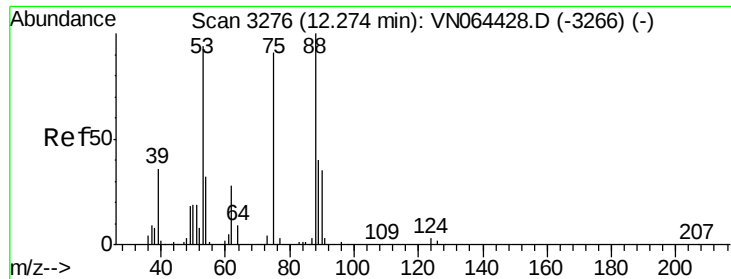
Tgt Ion: 105 Resp: 262808

Ion Ratio Lower Upper

105 100

120 46.0 23.4 70.2





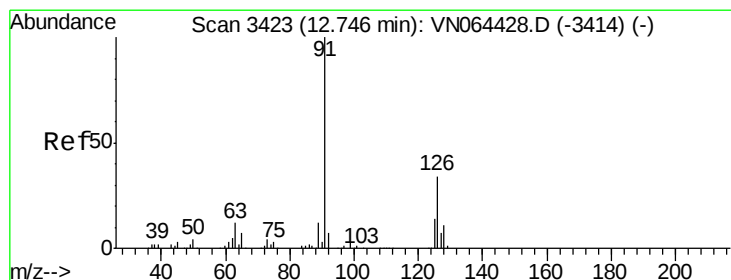
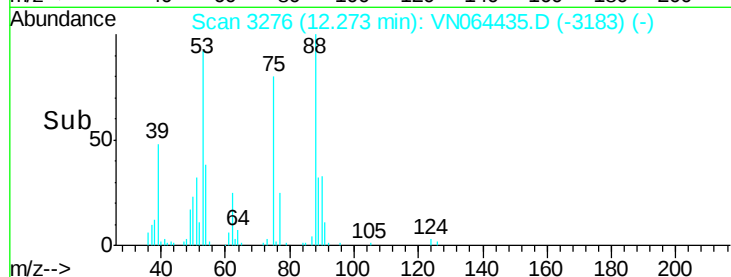
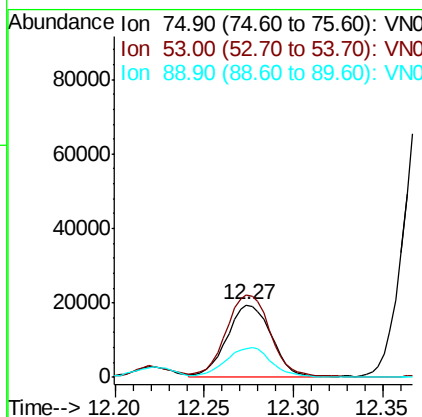
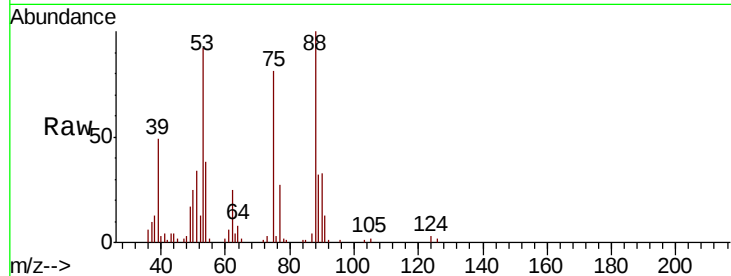
#81
trans-1,4-Dichloro-2-butene
Concen: 16.985 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.0	84.0	126.0
89	43.8	36.3	54.5

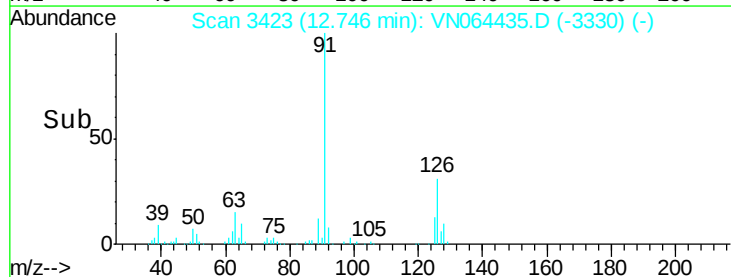
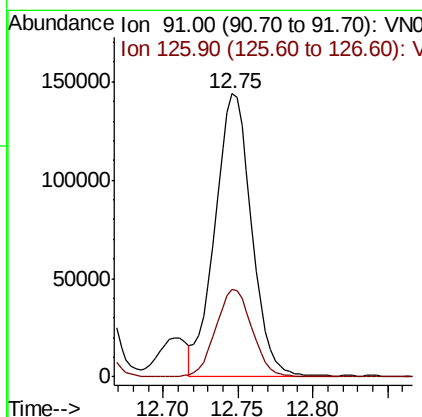
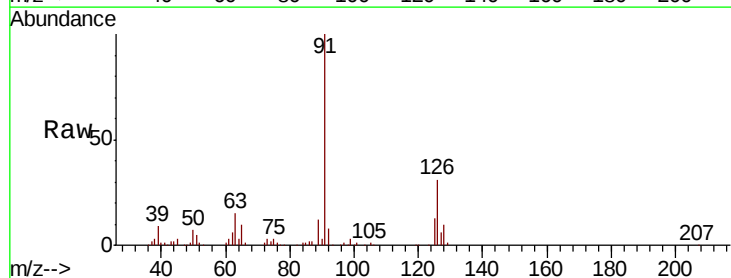
Manual Integrations
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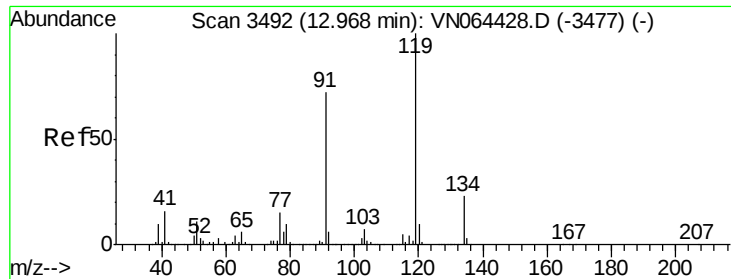
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#82
4-Chlorotoluene
Concen: 18.153 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.2





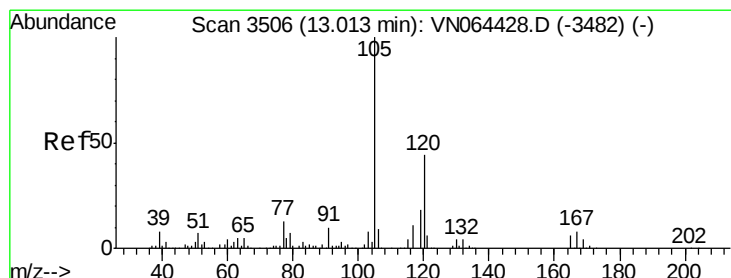
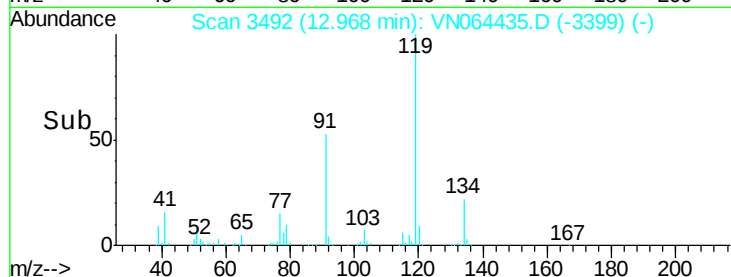
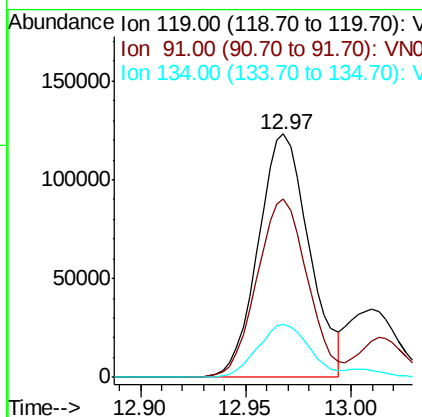
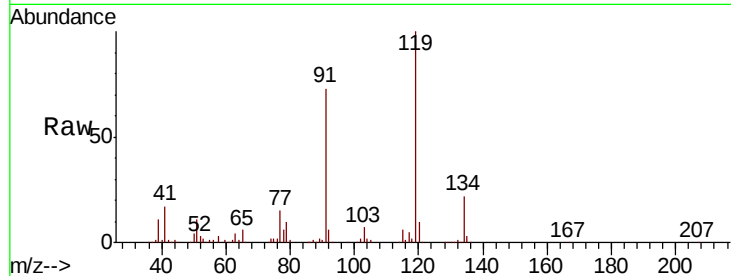
#83
 tert-Butylbenzene
 Concen: 18.219 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

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

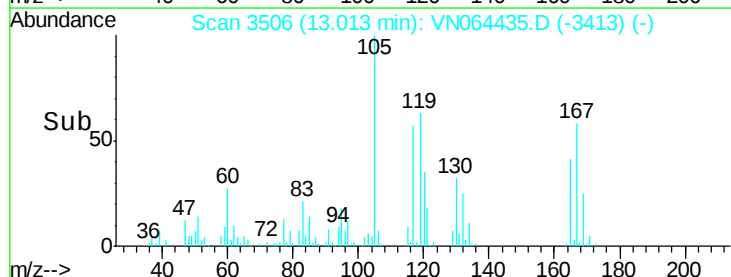
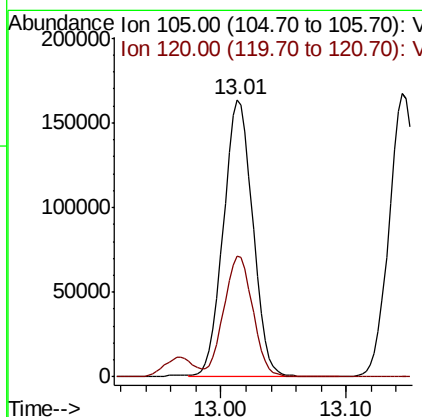
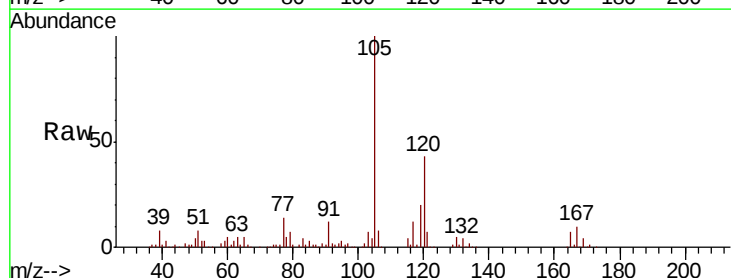
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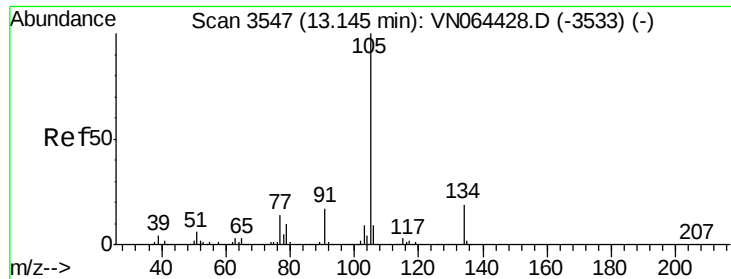
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 11/5/2020 2:19:29 PM



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

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





#85

sec-Butylbenzene

Concen: 18.505 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBS01

Tot Ion:105 Resp: 266407

Ion Ratio Lower Upper

105 100

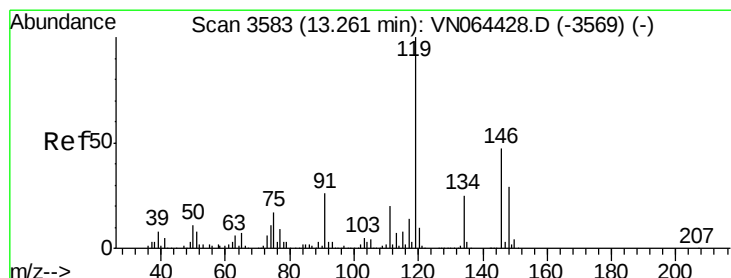
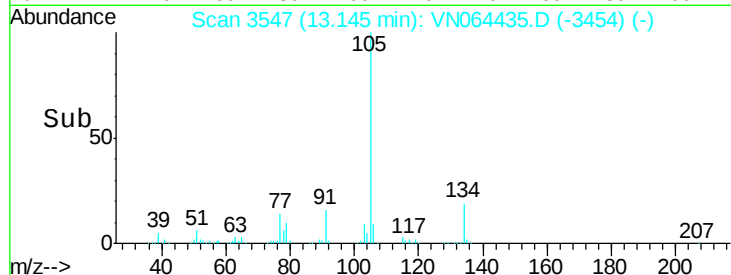
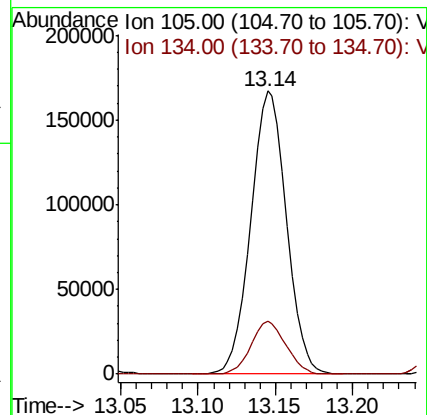
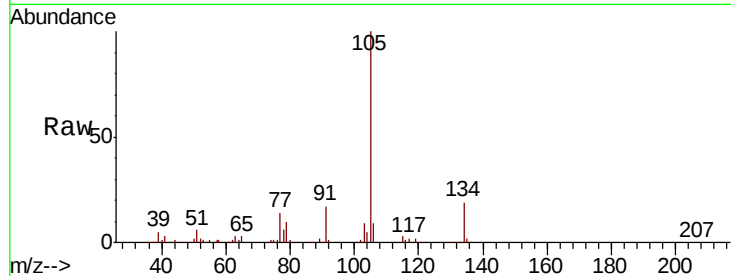
134 18.4 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 18.397 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

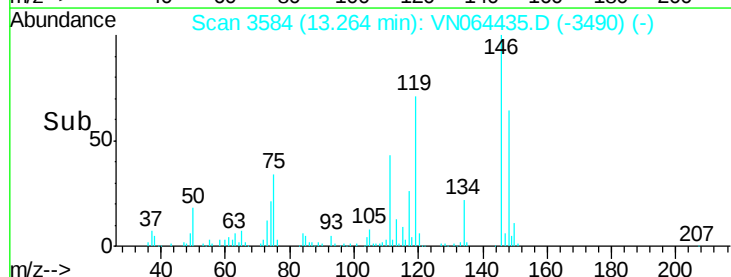
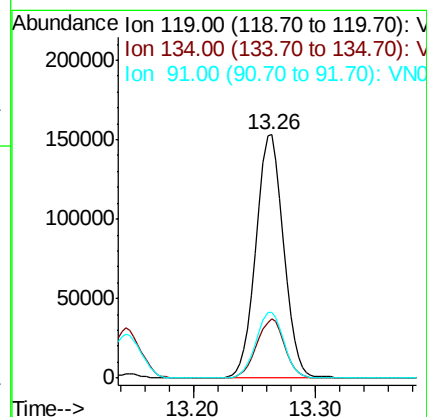
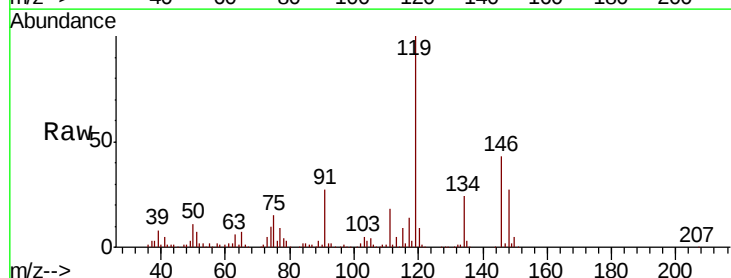
Tgt Ion:119 Resp: 238235

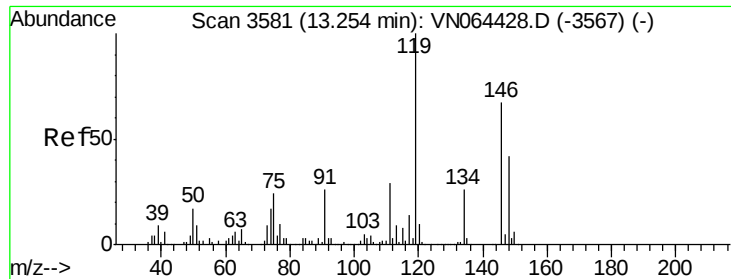
Ion Ratio Lower Upper

119 100

134 24.5 12.6 37.6

91 26.9 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 18.225 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

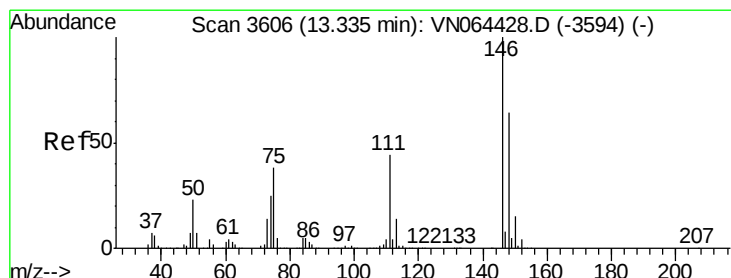
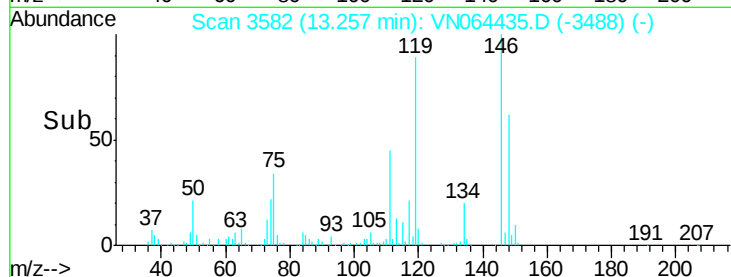
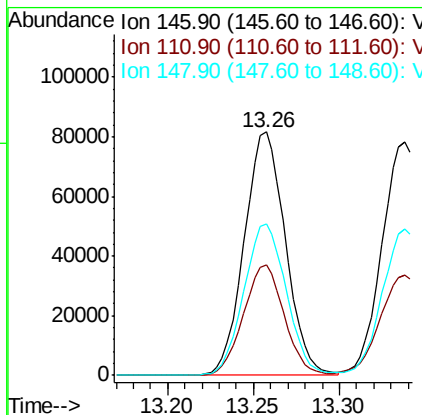
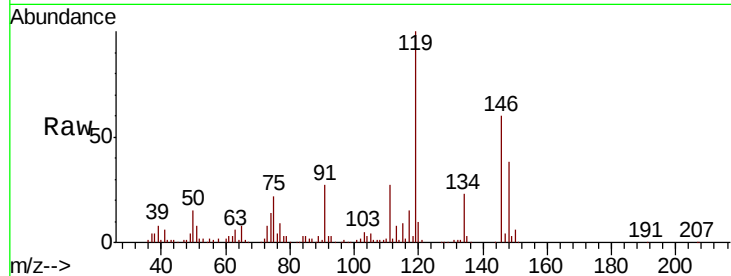
ClientSampleId :

VN1104MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.1	66.1
148	64.1	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.585 ug/l

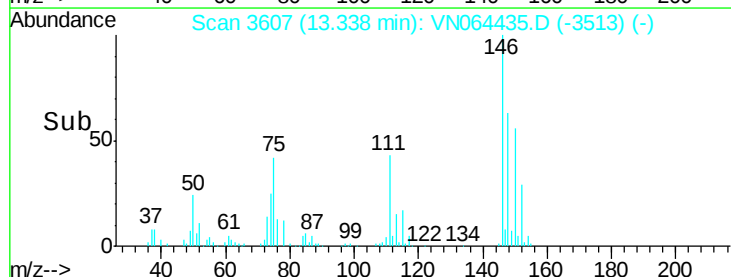
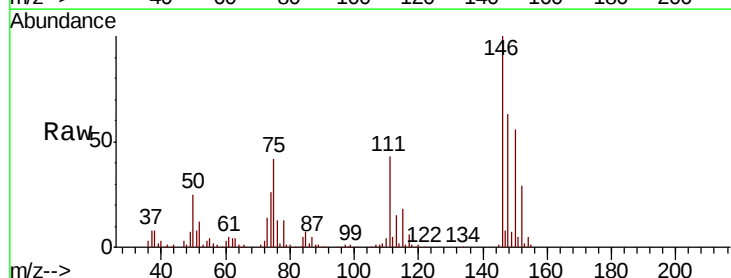
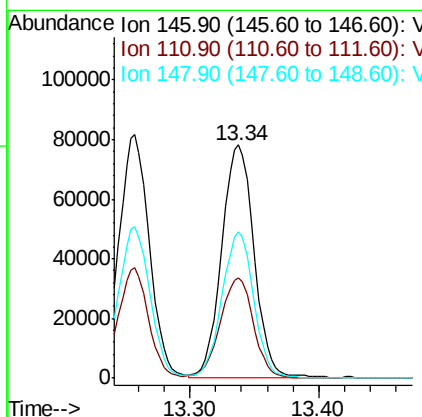
RT: 13.34 min Scan# 3607

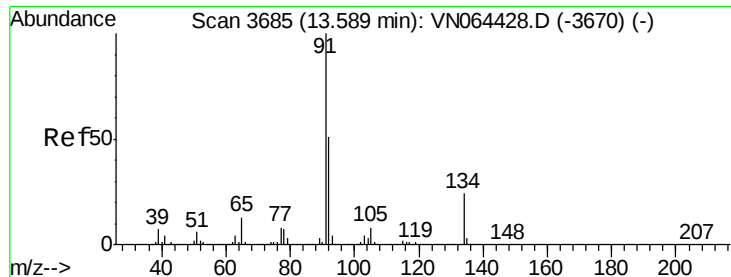
Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.3
148	61.4	32.4	97.2





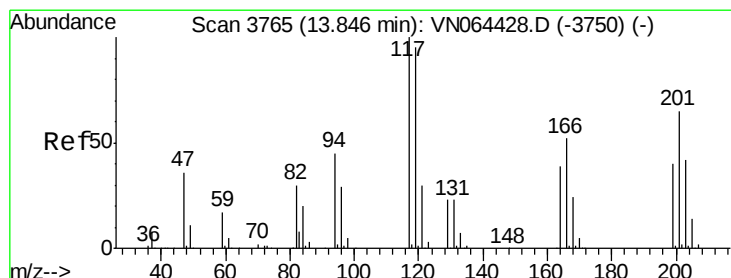
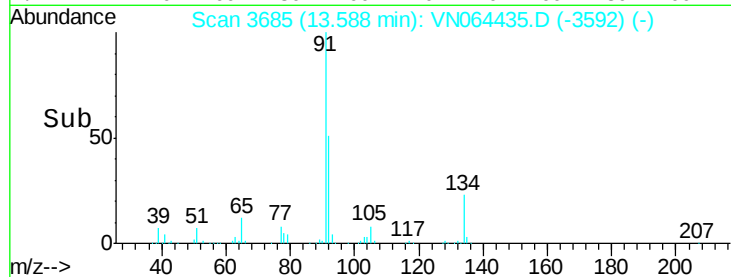
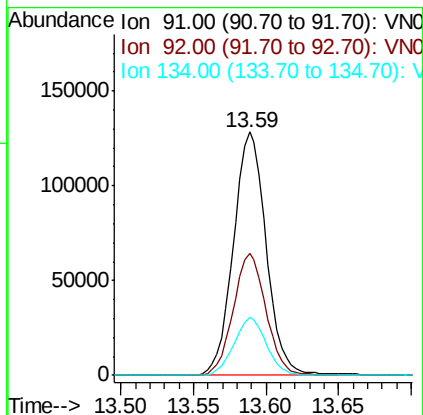
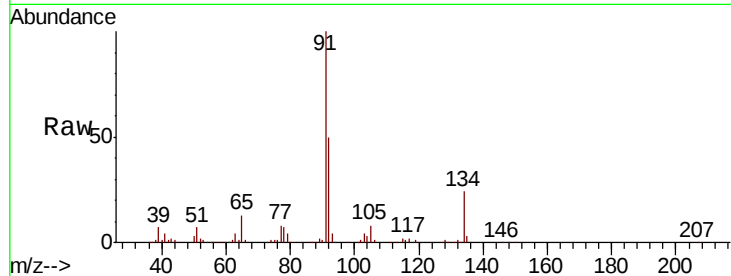
#89
n-Butylbenzene
Concen: 18.046 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBS01

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

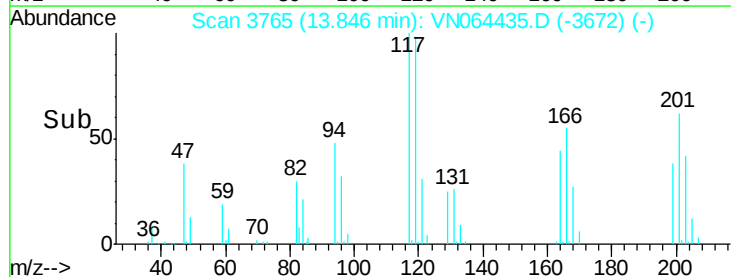
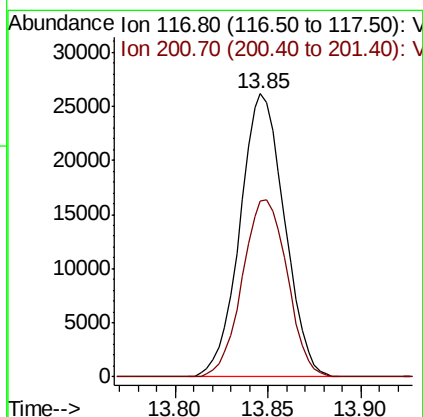
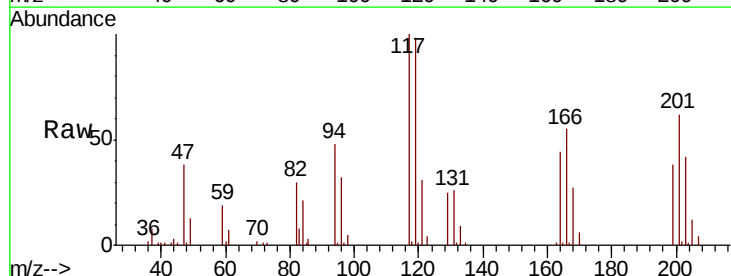
Manual Integrations
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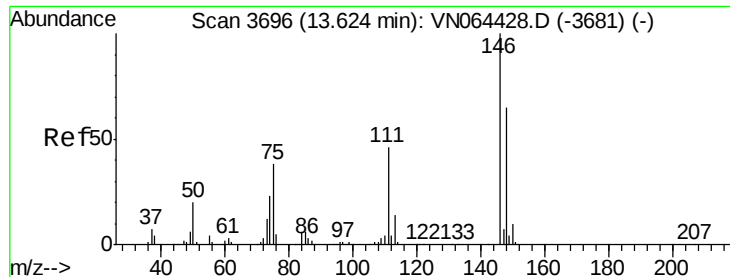
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#90
Hexachloroethane
Concen: 17.415 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064435.D
Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.9	32.5	97.5





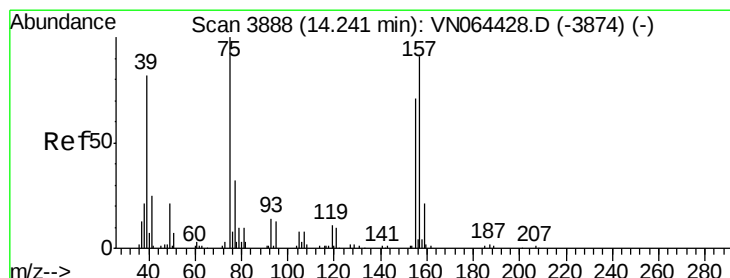
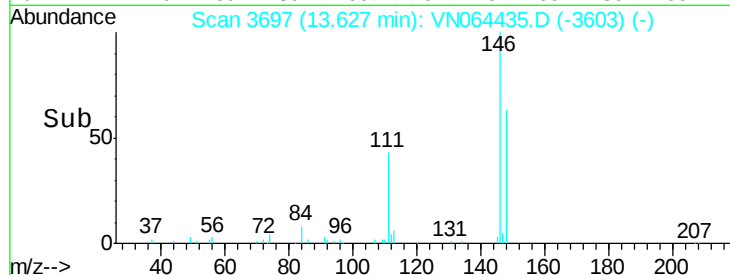
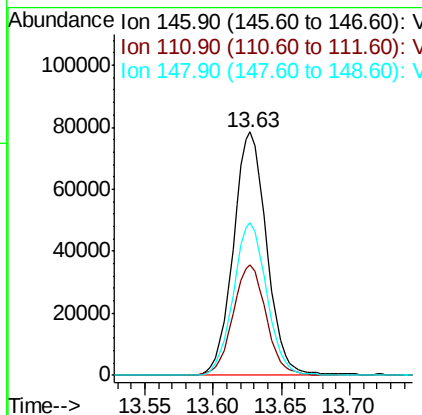
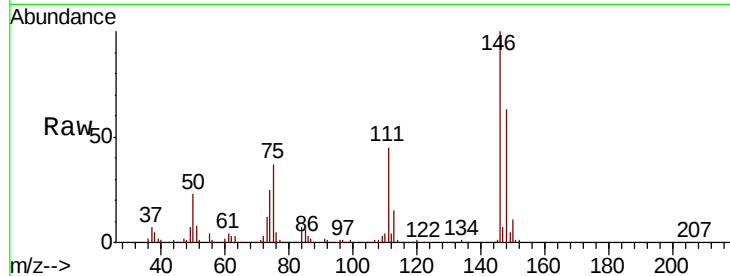
#91
 1,2-Dichlorobenzene
 Concen: 18.596 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN1104MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.7
148	62.6	32.0	96.2

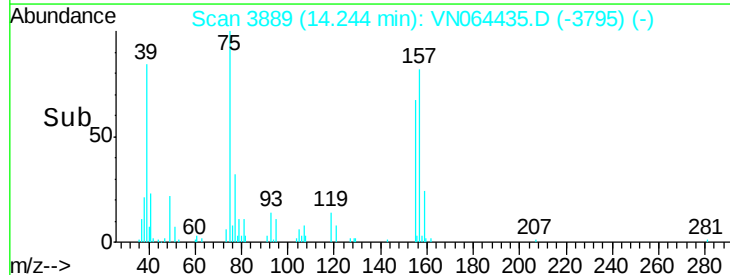
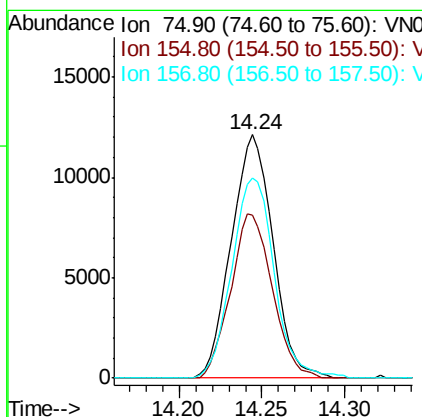
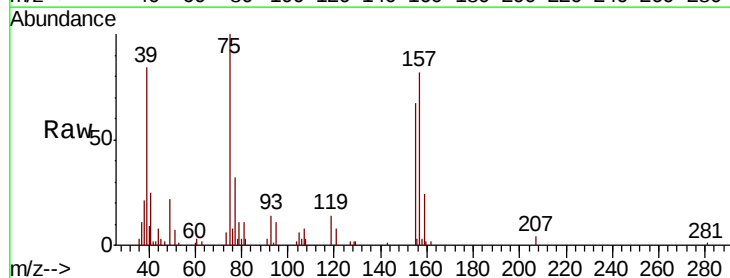
Manual Integrations
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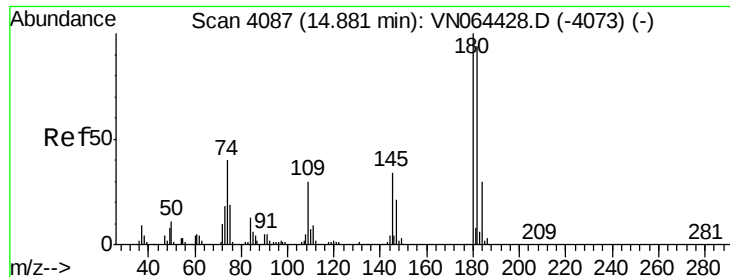
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.733 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.8	34.6	103.9
157	83.6	43.0	128.8





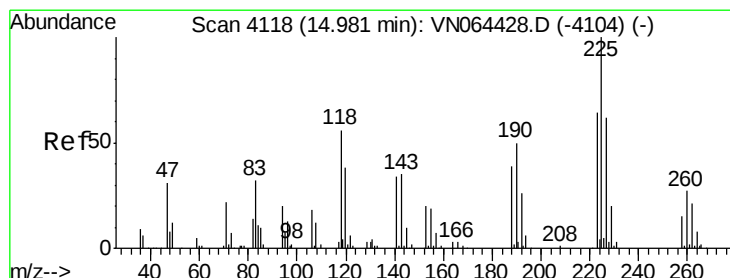
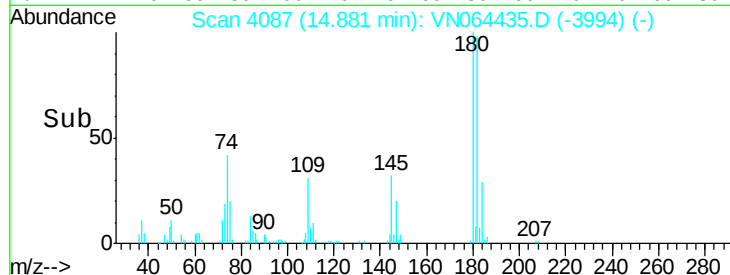
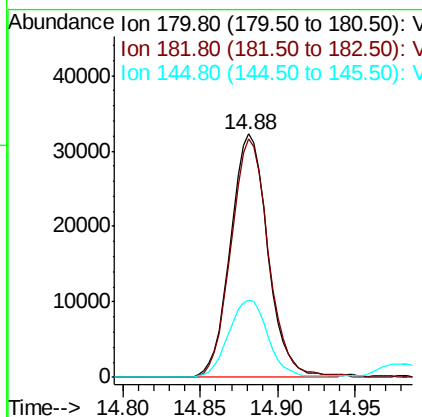
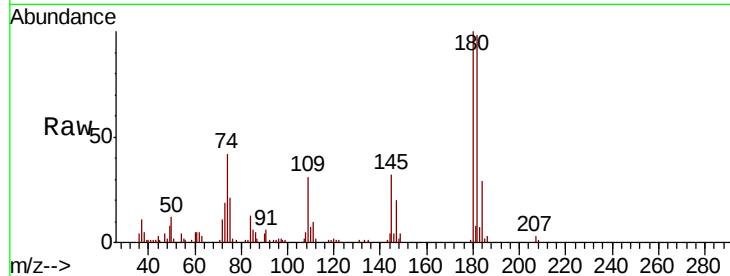
#93
 1,2,4-Trichlorobenzene
 Concen: 17.007 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064435.D
 Acq: 4 Nov 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBS01

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

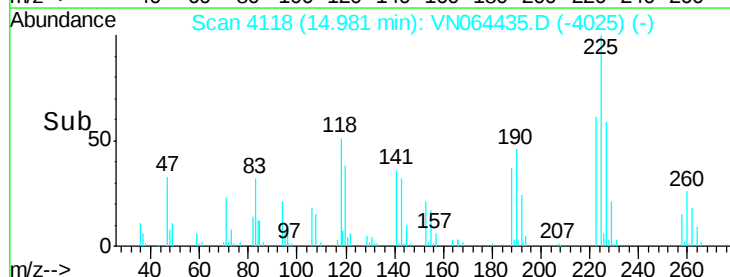
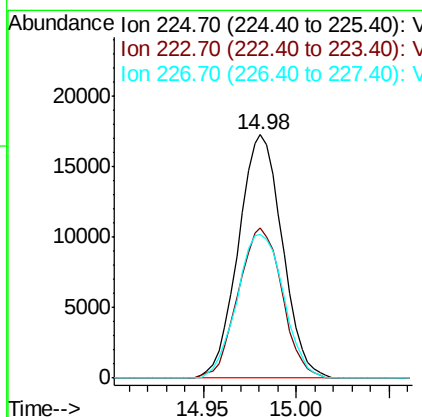
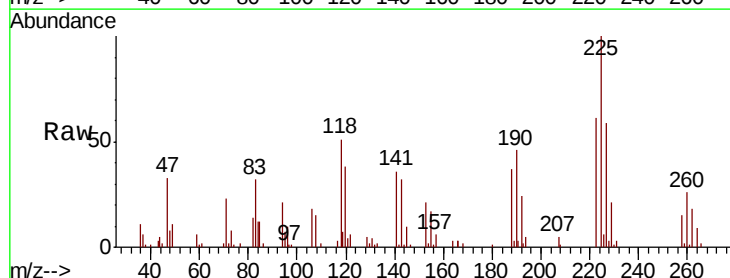
Manual Integrations
 APPROVED

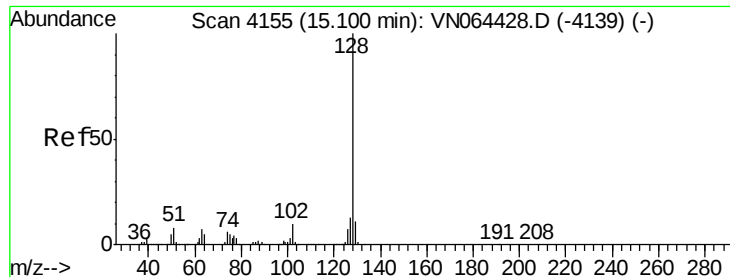
MMDadoda
 11/5/2020 2:19:29 PM



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

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





#95

Naphthalene

Concen: 17.221 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Instrument :

MSVOA_N

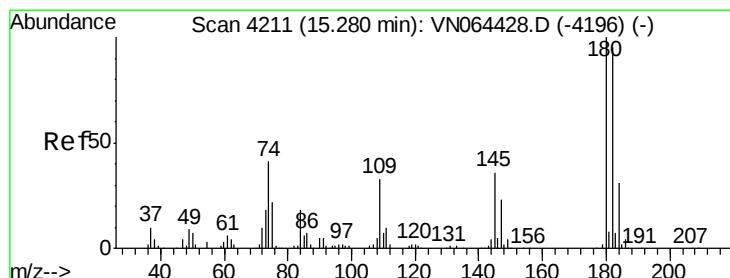
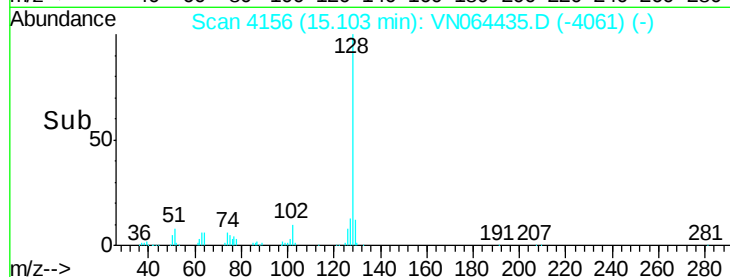
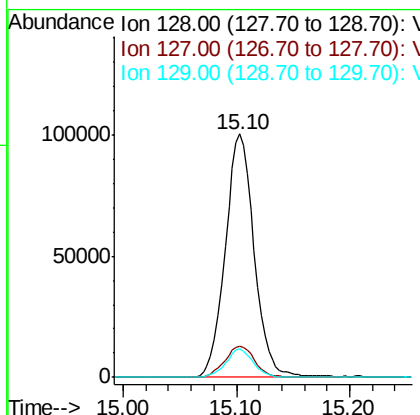
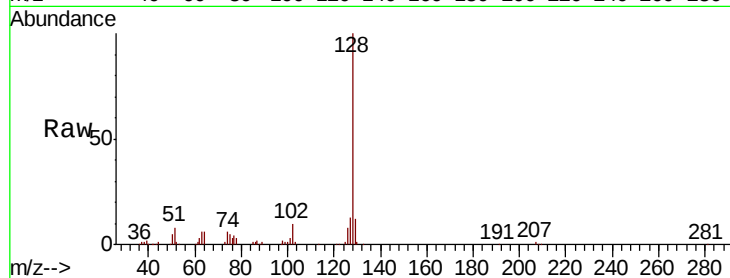
ClientSampleId :

VN1104MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.707 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064435.D

Acq: 4 Nov 2020 14:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.7	143.1
145	35.2	18.3	54.8

