

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070626.D
 Acq On : 14 Jan 2022 16:29
 Operator : JC/MD
 Sample : N1141-07
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 17 05:39:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

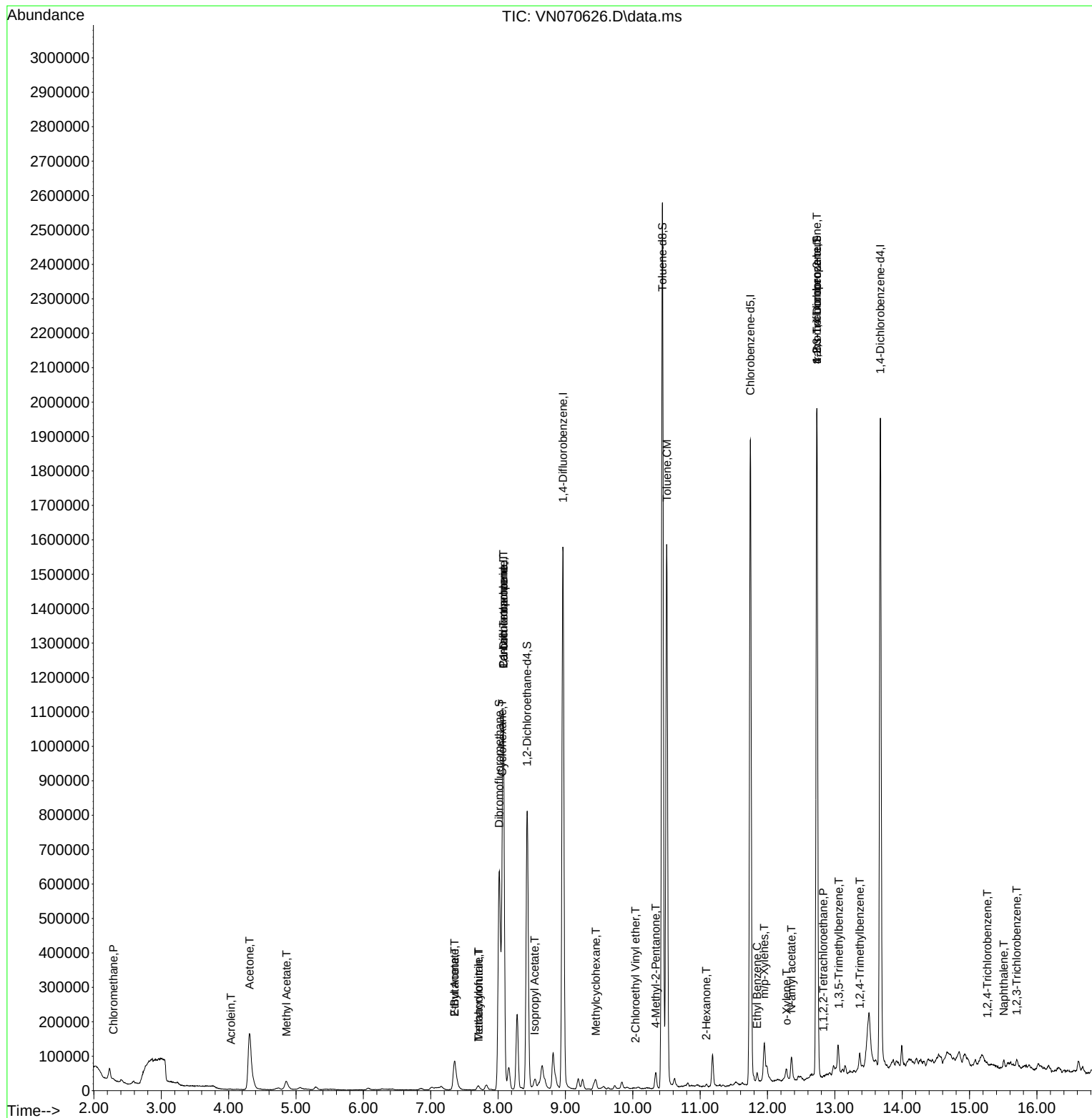
Internal Standards						
1) Pentafluorobenzene	8.078	168	809273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1372471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1097429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	517236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	679874	58.429	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.860%			
35) Dibromofluoromethane	8.016	113	466150	56.135	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 112.260%			
50) Toluene-d8	10.441	98	1794620	52.902	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.800%			
62) 4-Bromofluorobenzene	12.734	95	714556	58.320	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.640%			
Target Compounds						Qvalue
3) Chloromethane	2.290	50	2845	0.228	ug/l	99
13) Acrolein	4.033	56	537	0.342	ug/l #	33
16) Acetone	4.312	43	385371	51.019	ug/l	96
18) Methyl Acetate	4.857	43	55169	2.525	ug/l #	78
25) 2-Butanone	7.354	43	178557	18.774	ug/l	90
29) Tetrahydrofuran	7.710	42	10513	1.853	ug/l #	70
31) Cyclohexane	8.062	56	55373	3.016	ug/l #	62
36) 1,1-Dichloropropene	8.078	75	66033	4.807	ug/l #	48
37) Ethyl Acetate	7.354	43	178557	10.028	ug/l #	68
38) Carbon Tetrachloride	8.078	117	79291	6.045	ug/l #	16
39) Methylcyclohexane	9.454	83	8573	0.515	ug/l #	81
41) Methacrylonitrile	7.710	41	6492	0.729	ug/l #	26
43) Isopropyl Acetate	8.542	43	14623	0.521	ug/l #	55
51) 4-Methyl-2-Pentanone	10.341	43	37595	2.131	ug/l	99
52) Toluene	10.505	92	681308	26.726	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.038	63	570	18.637	ug/l #	66
59) 2-Hexanone	11.092	43	4349	0.338	ug/l	79
67) Ethyl Benzene	11.846	91	18505	0.434	ug/l	91
68) m/p-Xylenes	11.953	106	23331	1.502	ug/l	94
69) o-Xylene	12.283	106	6534	0.423	ug/l	92
74) N-amyl acetate	12.355	43	48038	2.379	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.827	83	94	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	367063	25.394	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	9466	0.246	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.734	75	367063	86.704	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	29748	0.803	ug/l	98
93) 1,2,4-Trichlorobenzene	15.263	180	2152	0.252	ug/l	98
95) Naphthalene	15.507	128	22626	2.722	ug/l	96
96) 1,2,3-Trichlorobenzene	15.700	180	1564	1.015	ug/l #	81

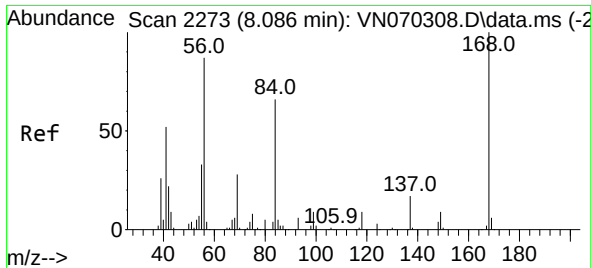
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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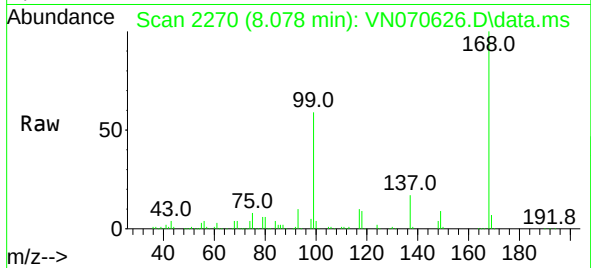
Quant Time: Jan 17 05:39:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



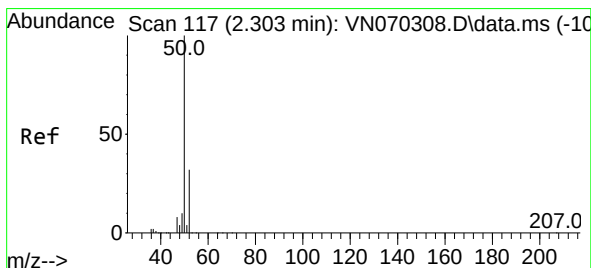
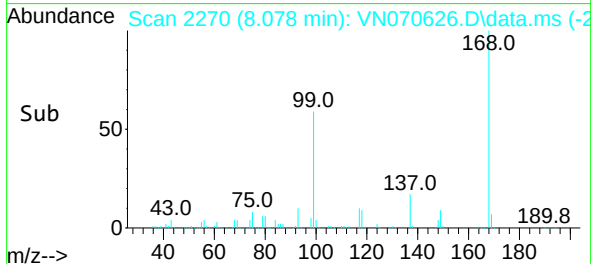
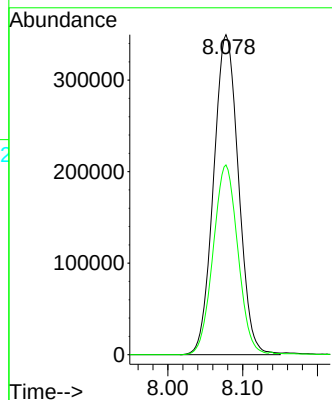


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Instrument :
MSVOA_N
ClientSampleId :

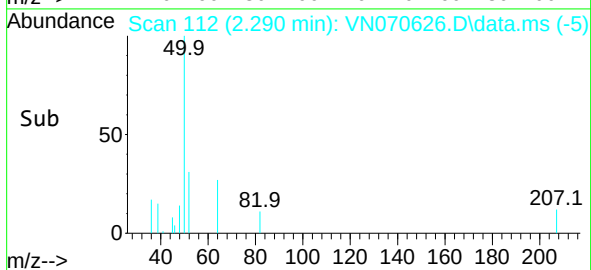
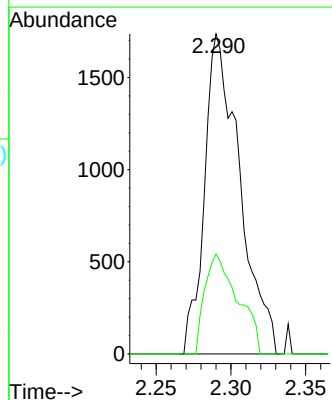
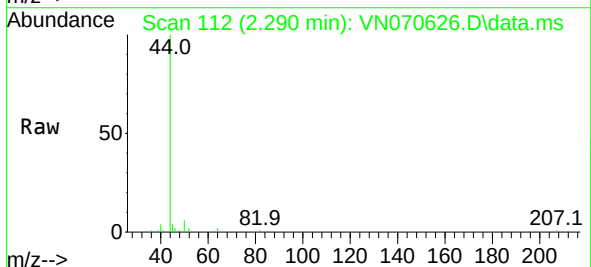


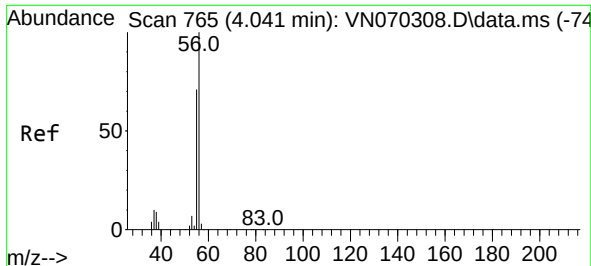
Tgt Ion:168 Resp: 809273
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.290 min Scan# 112
Delta R.T. -0.013 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

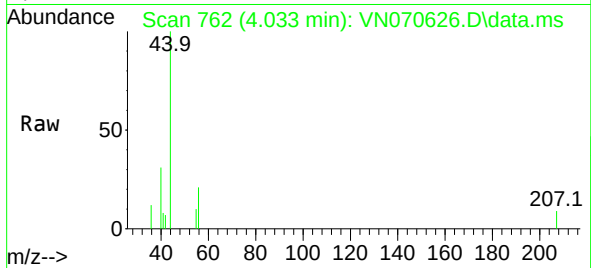
Tgt Ion: 50 Resp: 2845
Ion Ratio Lower Upper
50 100
52 31.2 25.4 38.0



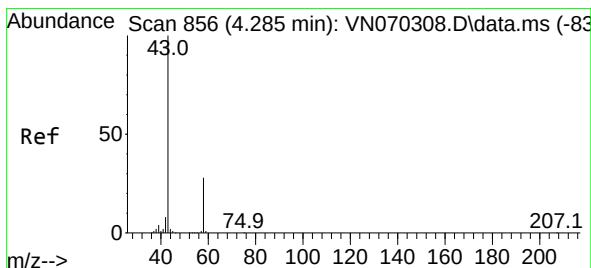
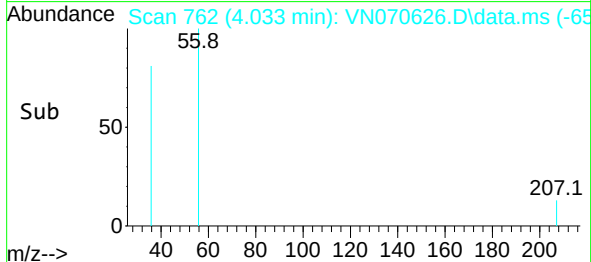
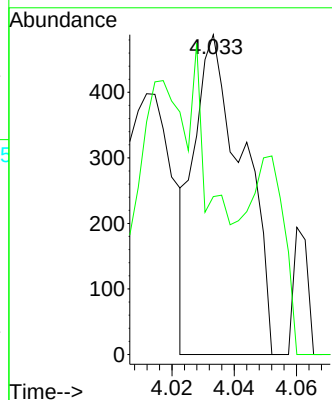


#13
Acrolein
Concen: 0.342 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Instrument :
MSVOA_N
ClientSampleId :

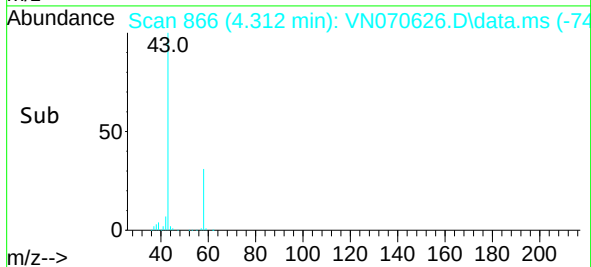
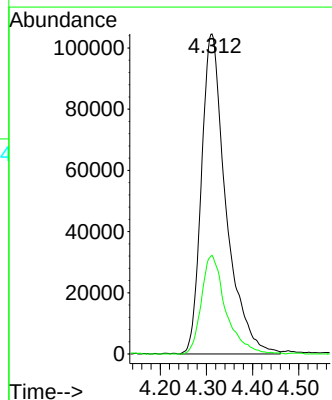
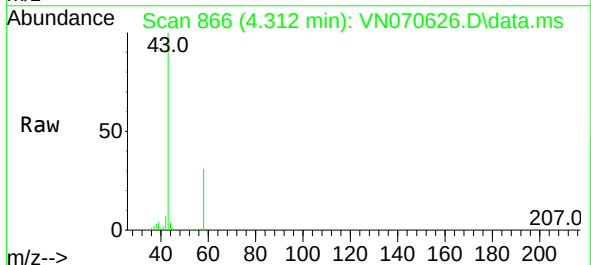


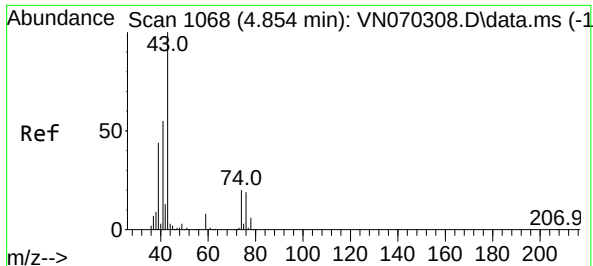
Tgt Ion: 56 Resp: 537
Ion Ratio Lower Upper
56 100
55 126.4 56.6 85.0#



#16
Acetone
Concen: 51.019 ug/l
RT: 4.312 min Scan# 866
Delta R.T. 0.027 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 43 Resp: 385371
Ion Ratio Lower Upper
43 100
58 30.8 23.1 34.7





#18

Methyl Acetate

Concen: 2.525 ug/l

RT: 4.857 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

Instrument :

MSVOA_N

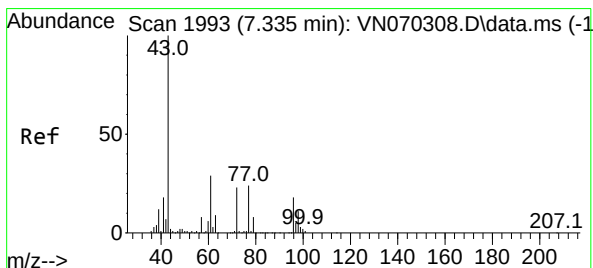
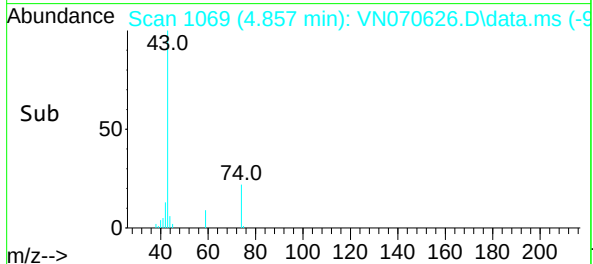
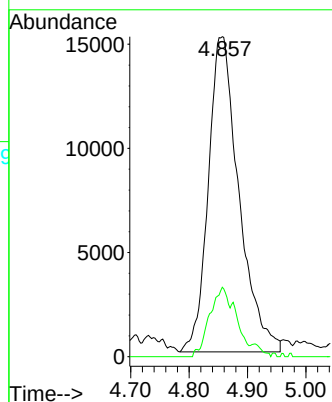
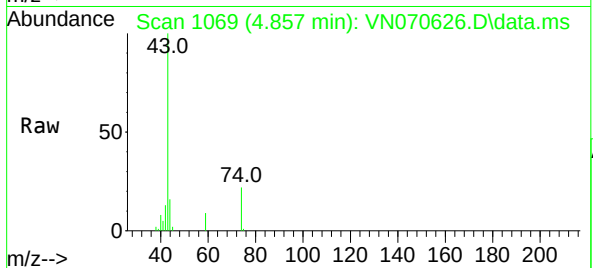
ClientSampleId :

Tgt Ion: 43 Resp: 55169

Ion Ratio Lower Upper

43 100

74 13.5 19.4 29.2#



#25

2-Butanone

Concen: 18.774 ug/l

RT: 7.354 min Scan# 2000

Delta R.T. 0.019 min

Lab File: VN070626.D

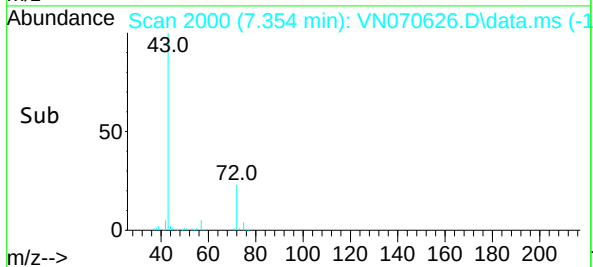
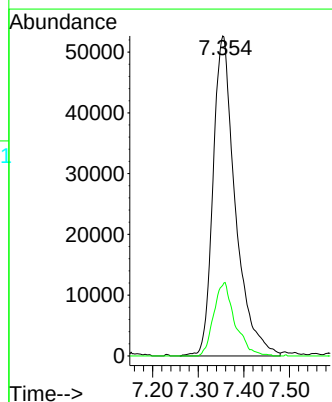
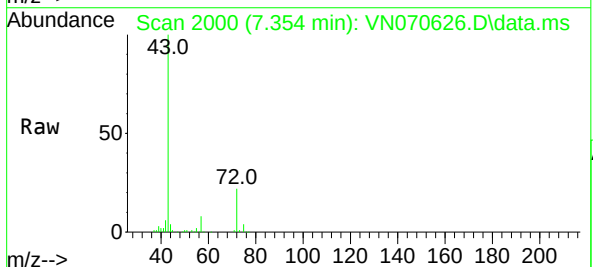
Acq: 14 Jan 2022 16:29

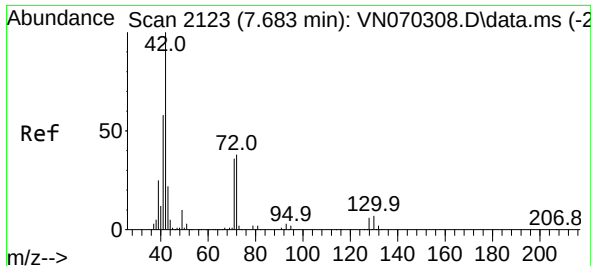
Tgt Ion: 43 Resp: 178557

Ion Ratio Lower Upper

43 100

72 22.1 21.7 32.5





#29

Tetrahydrofuran

Concen: 1.853 ug/l

RT: 7.710 min Scan# 21

Delta R.T. 0.027 min

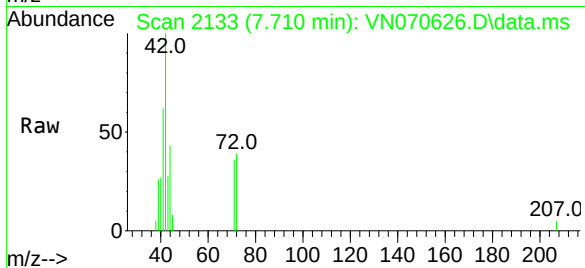
Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

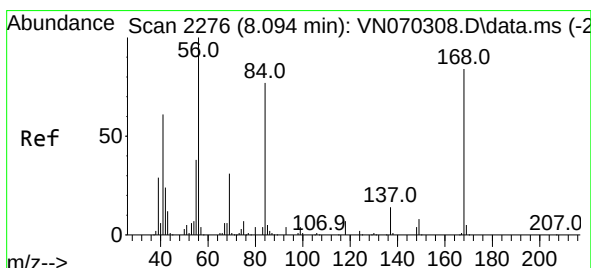
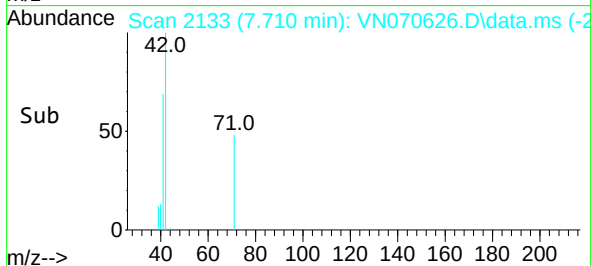
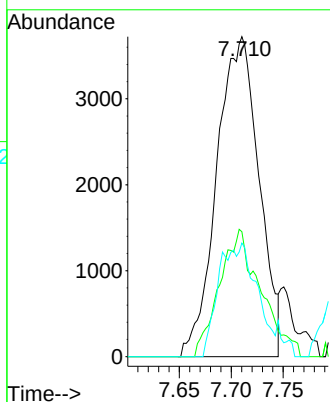
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 10513
Ion Ratio	Lower Upper
42	100
72	38.9 36.3 54.5
71	10.3 34.7 52.1#



#31

Cyclohexane

Concen: 3.016 ug/l

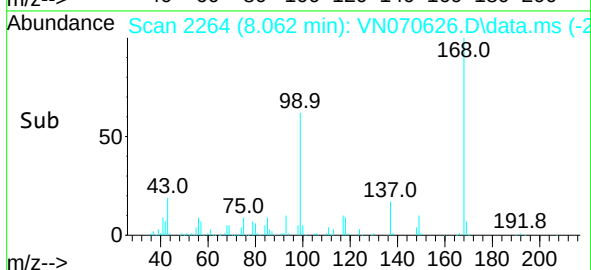
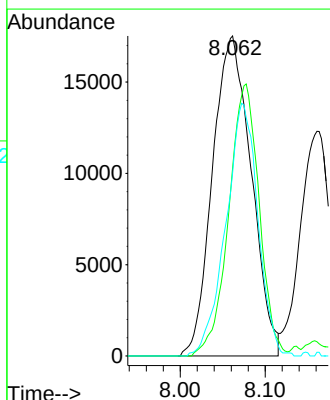
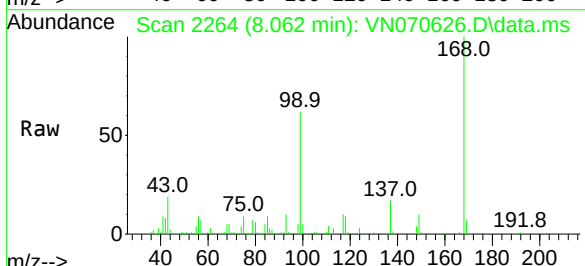
RT: 8.062 min Scan# 2264

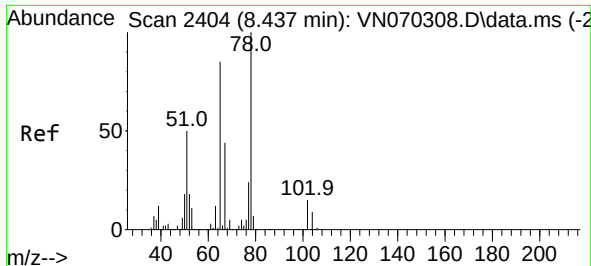
Delta R.T. -0.032 min

Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

Tgt Ion: 56	Resp: 55373
Ion Ratio	Lower Upper
56	100
69	58.7 27.1 40.7#
84	57.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 58.429 ug/l

RT: 8.432 min Scan# 24

Delta R.T. -0.005 min

Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

Instrument :

MSVOA_N

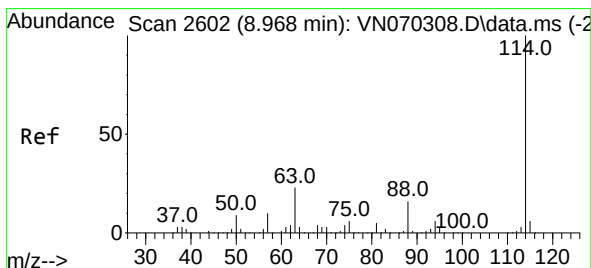
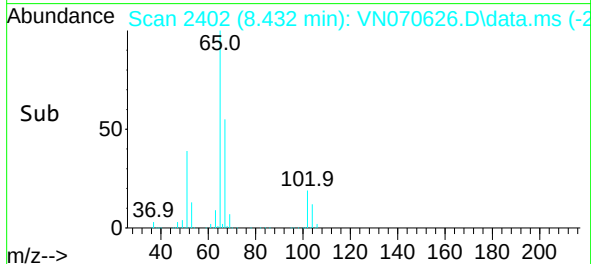
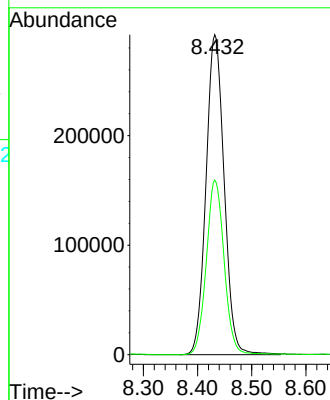
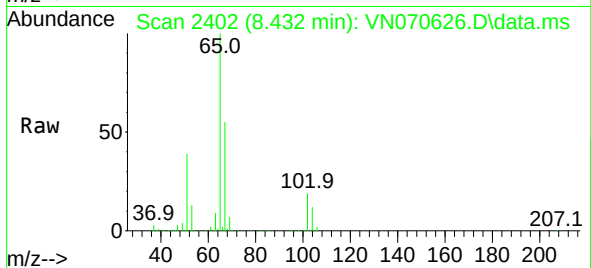
ClientSampleId :

Tgt Ion: 65 Resp: 679874

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2600

Delta R.T. -0.005 min

Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

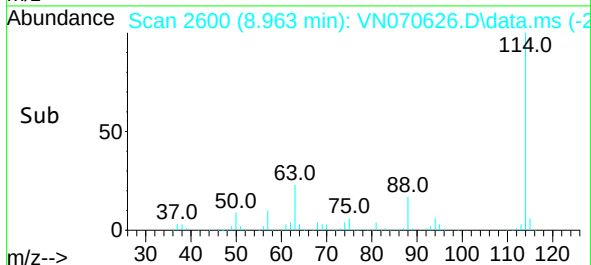
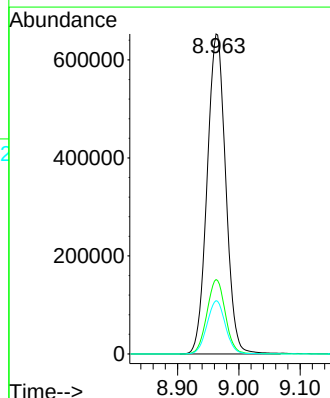
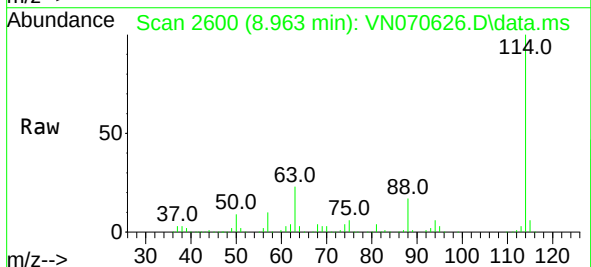
Tgt Ion: 114 Resp: 1372471

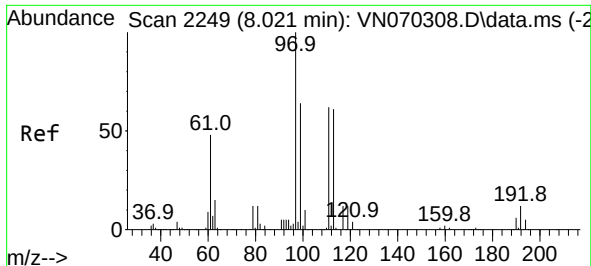
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

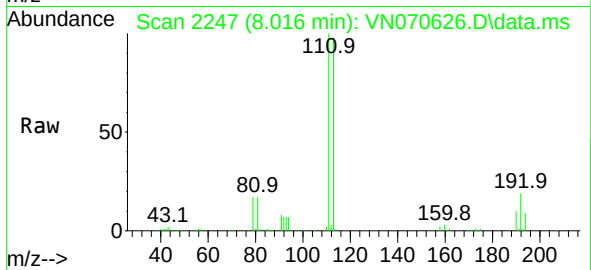
88 16.6 0.0 27.4



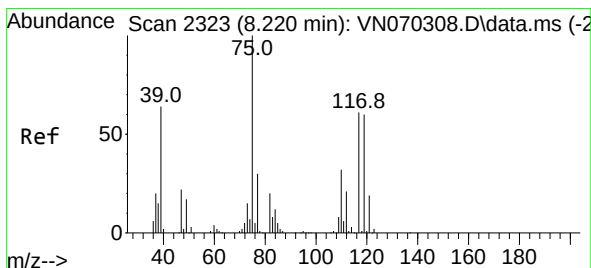
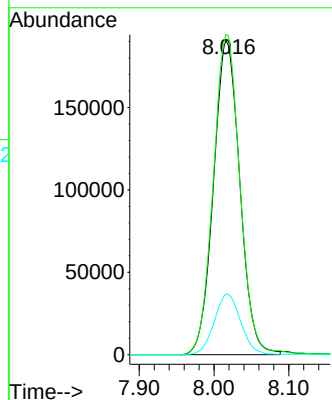
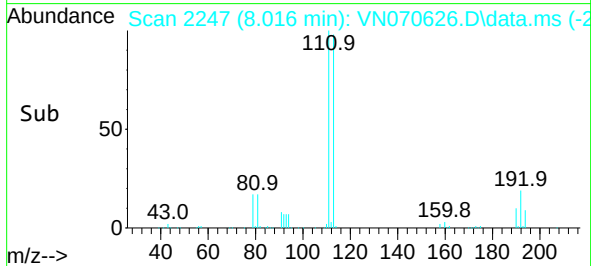


#35
Dibromofluoromethane
Concen: 56.135 ug/l
RT: 8.016 min Scan# 211
Delta R.T. -0.005 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Instrument :
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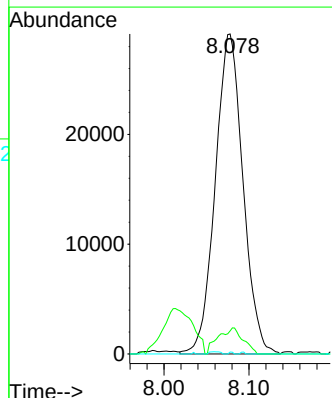
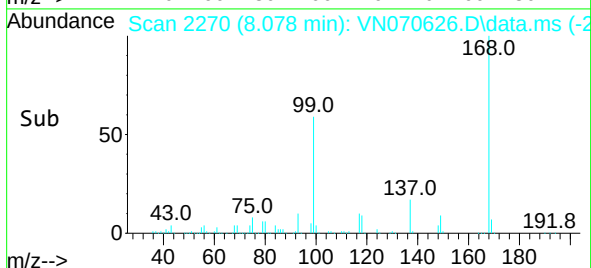
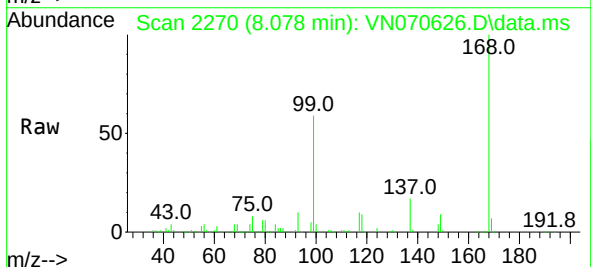


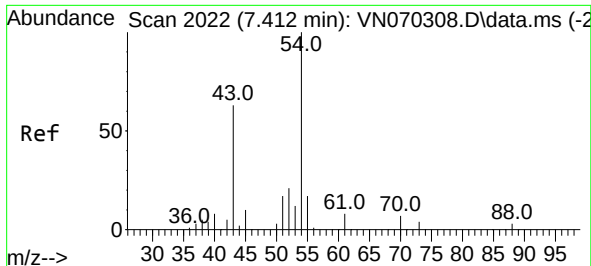
Tgt Ion:113 Resp: 466150
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.142 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

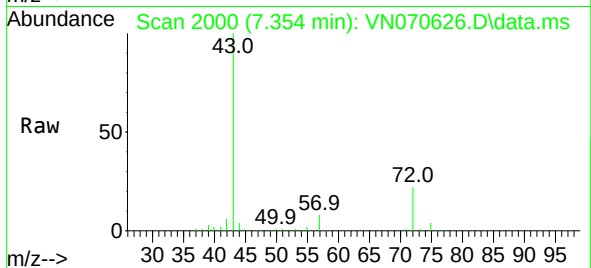
Tgt Ion: 75 Resp: 66033
Ion Ratio Lower Upper
75 100
110 7.3 18.4 55.2#
77 0.1 24.4 36.6#



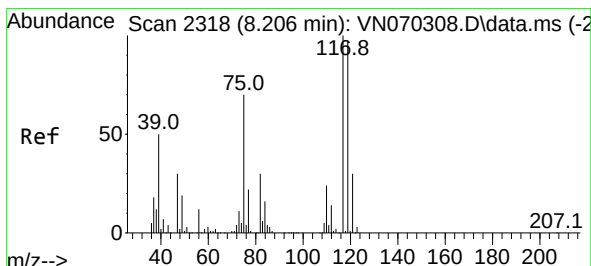
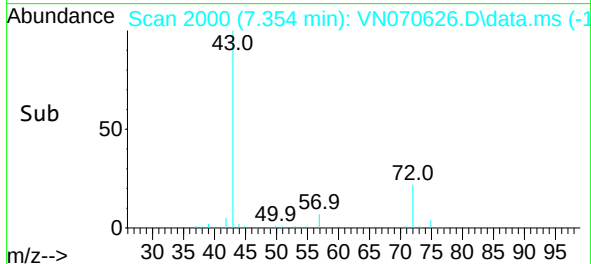
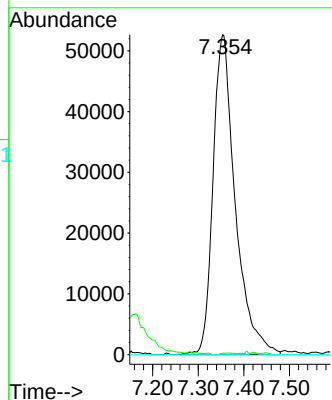


#37
Ethyl Acetate
Concen: 10.028 ug/l
RT: 7.354 min Scan# 20
Delta R.T. -0.058 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Instrument :
MSVOA_N
ClientSampleId :

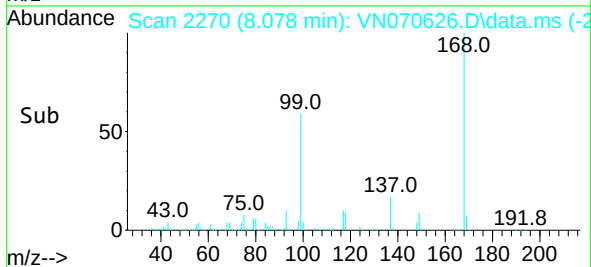
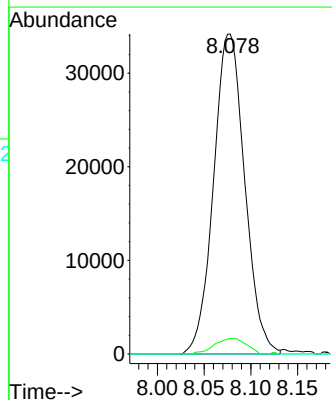
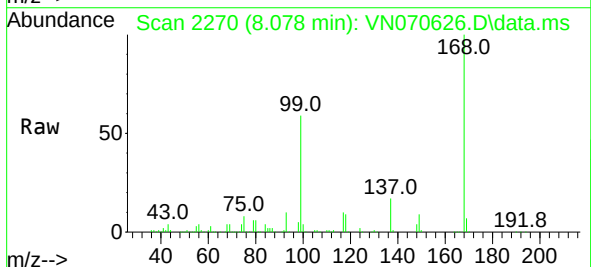


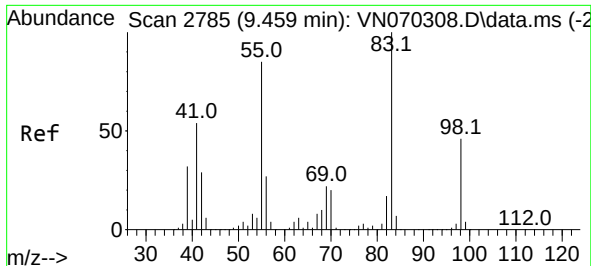
Tgt Ion: 43 Resp: 178557
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.128 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 117 Resp: 79291
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.515 ug/l

RT: 9.454 min Scan# 21

Delta R.T. -0.005 min

Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :

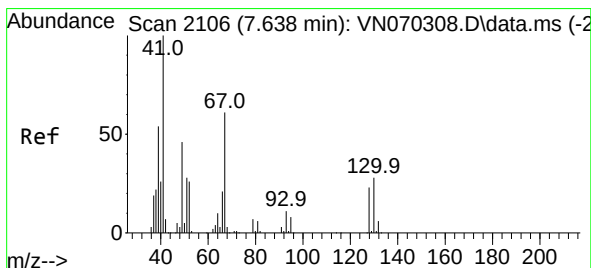
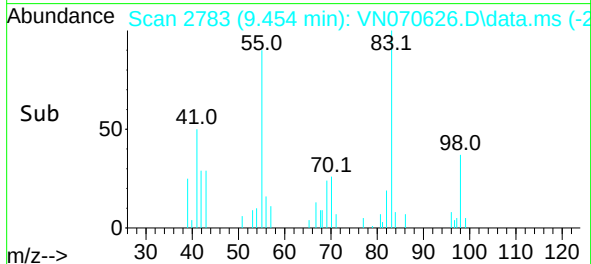
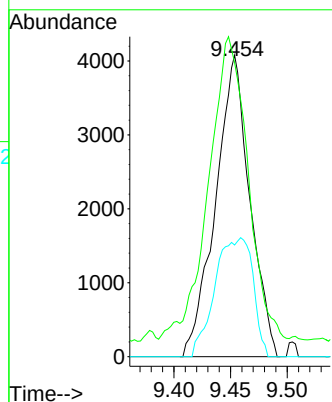
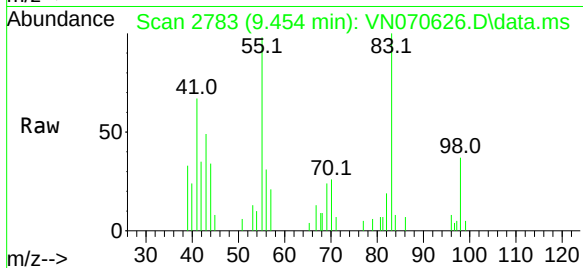
Tgt Ion: 83 Resp: 8573

Ion Ratio Lower Upper

83 100

55 89.6 58.1 87.1#

98 37.0 38.4 57.6#



#41

Methacrylonitrile

Concen: 0.729 ug/l

RT: 7.710 min Scan# 2133

Delta R.T. 0.072 min

Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

Tgt Ion: 41 Resp: 6492

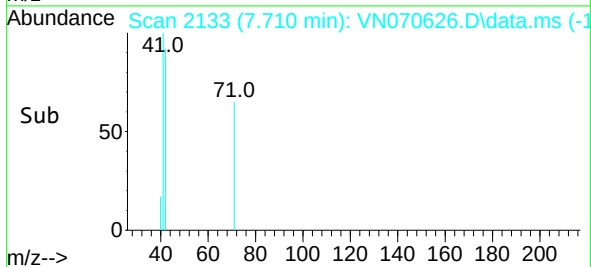
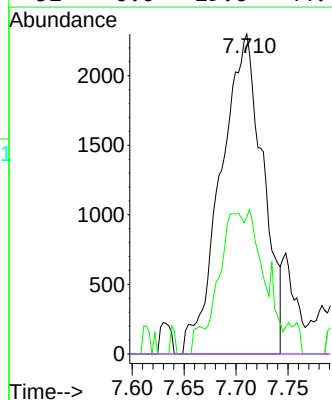
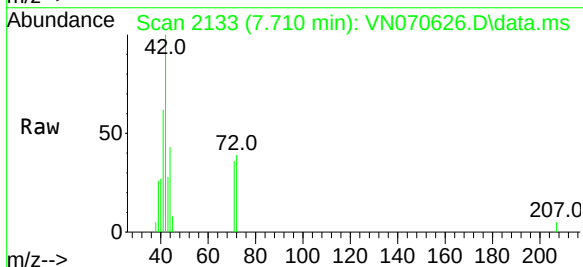
Ion Ratio Lower Upper

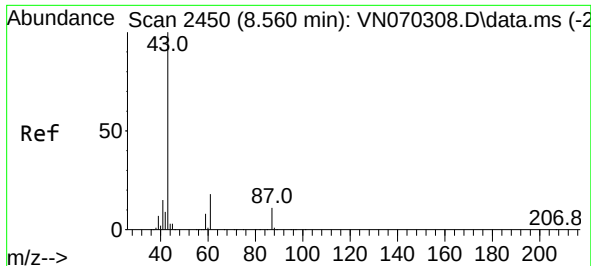
41 100

39 19.0 48.1 72.1#

67 0.0 68.3 102.5#

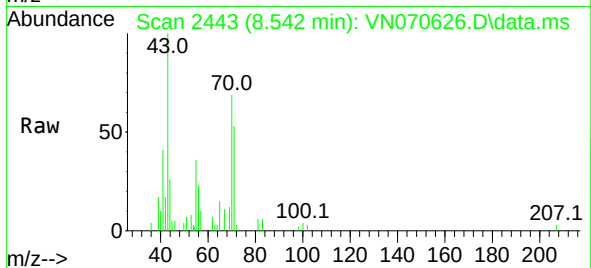
52 0.0 29.6 44.4#



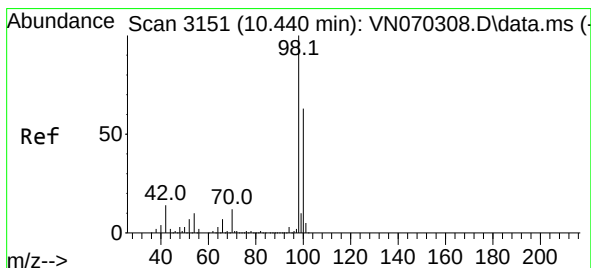
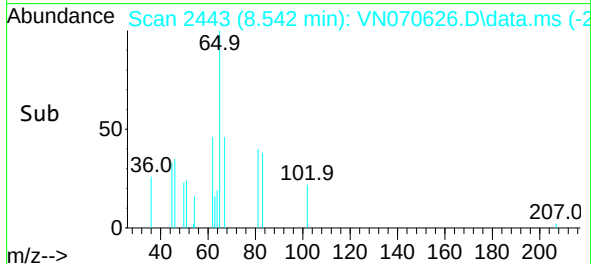
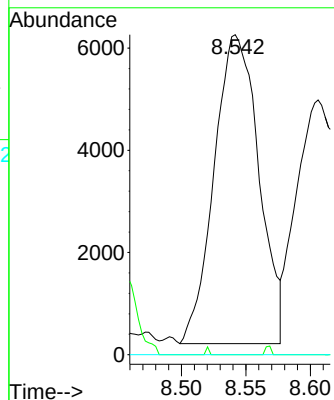


#43
Isopropyl Acetate
Concen: 0.521 ug/l
RT: 8.542 min Scan# 2450
Delta R.T. -0.018 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Instrument :
MSVOA_N
ClientSampleId :

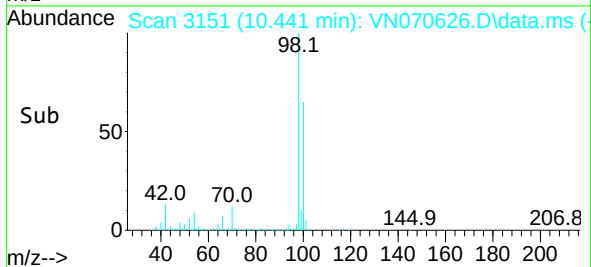
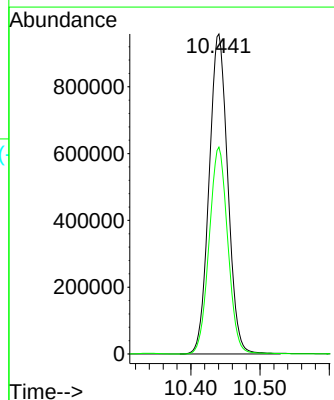
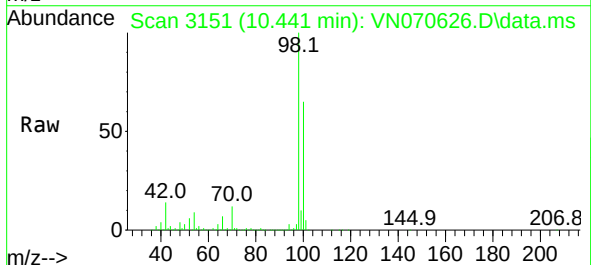


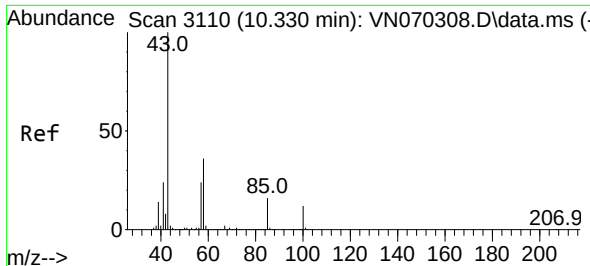
Tgt Ion: 43 Resp: 14623
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 52.902 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 98 Resp: 1794620
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

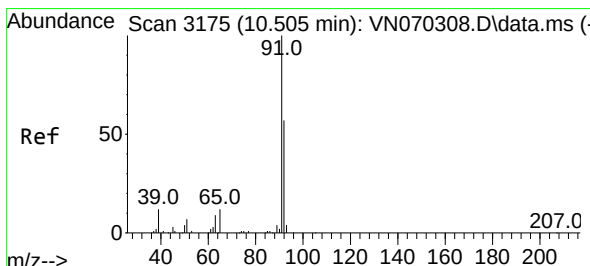
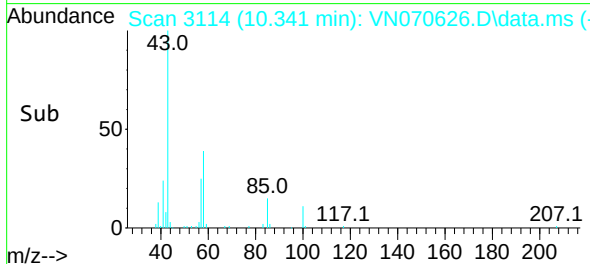
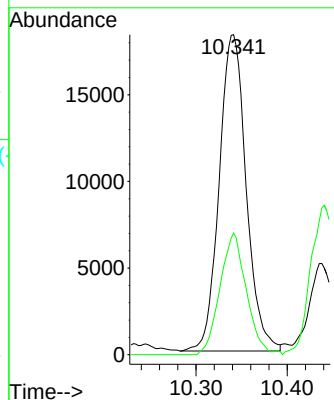
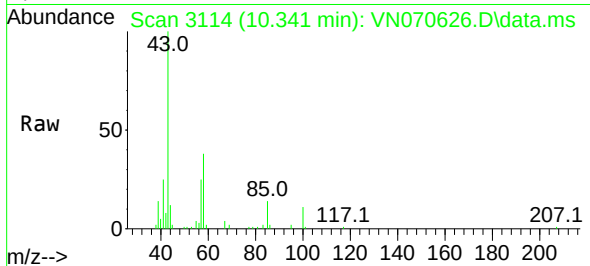




#51
4-Methyl-2-Pentanone
Concen: 2.131 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.011 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

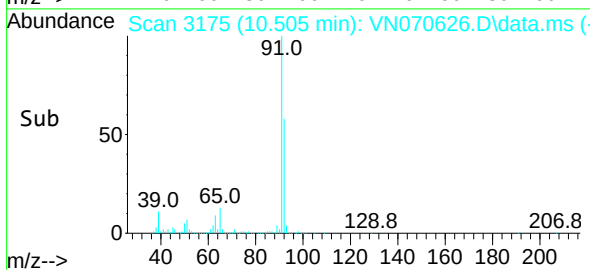
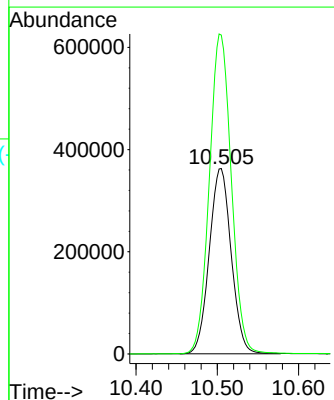
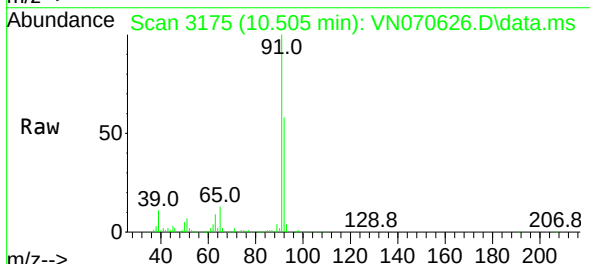
Instrument :
MSVOA_N
ClientSampleId :

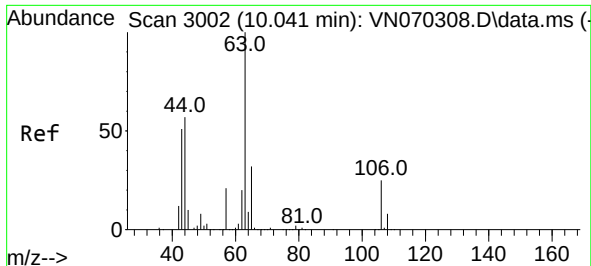
Tgt Ion: 43 Resp: 37595
Ion Ratio Lower Upper
43 100
58 37.2 30.4 45.6



#52
Toluene
Concen: 26.726 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 92 Resp: 681308
Ion Ratio Lower Upper
92 100
91 172.7 142.0 213.0

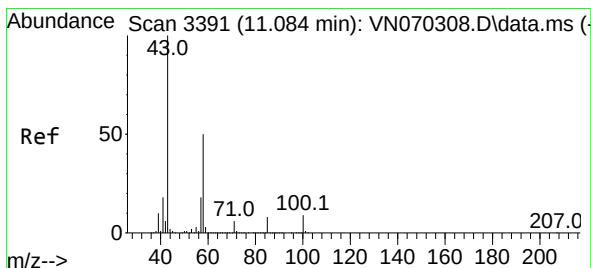
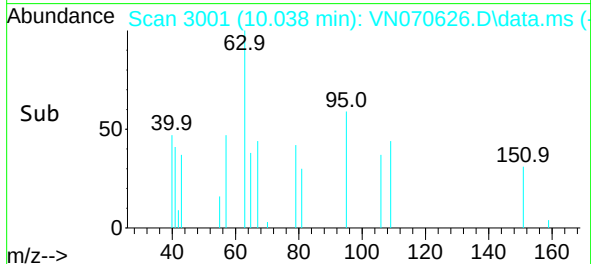
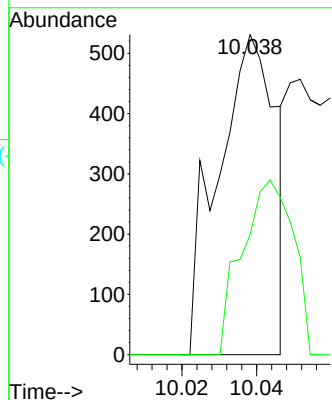
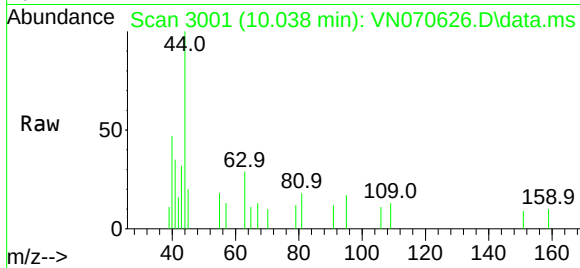




#58
2-Chloroethyl Vinyl ether
Concen: 18.637 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.003 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

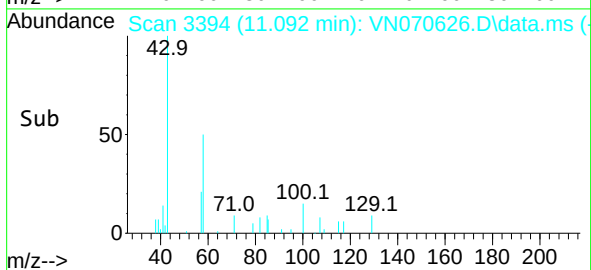
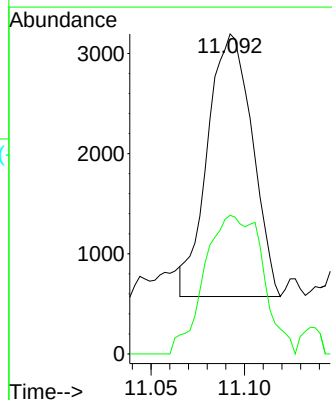
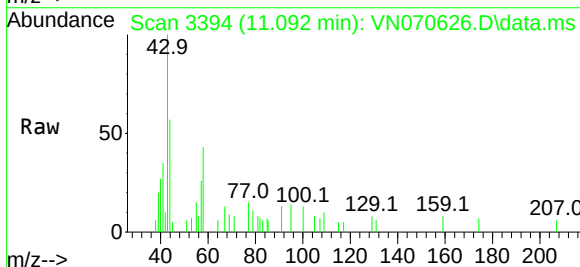
Instrument :
MSVOA_N
ClientSampleId :

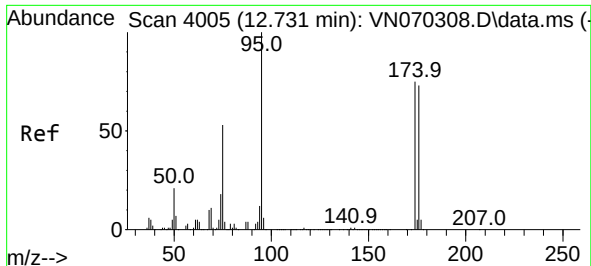
Tgt Ion: 63 Resp: 570
Ion Ratio Lower Upper
63 100
106 48.4 23.9 35.9#



#59
2-Hexanone
Concen: 0.338 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.008 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 43 Resp: 4349
Ion Ratio Lower Upper
43 100
58 68.8 26.9 80.7

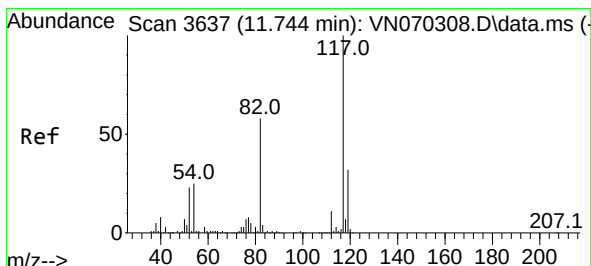
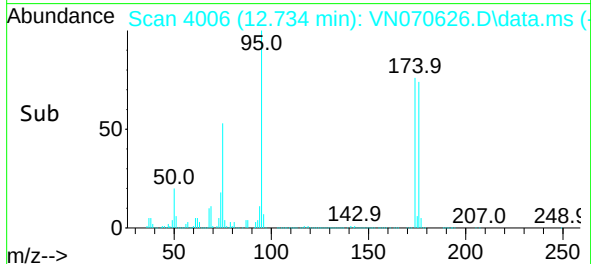
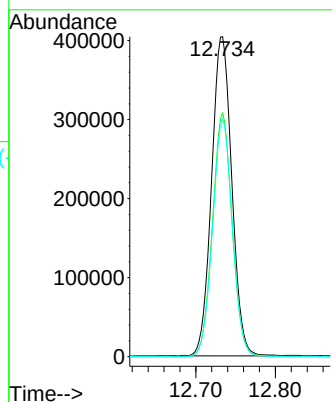
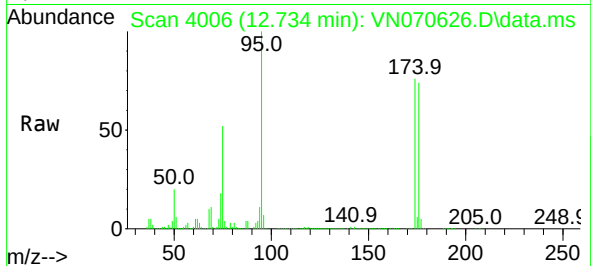




#62
4-Bromofluorobenzene
Concen: 58.320 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

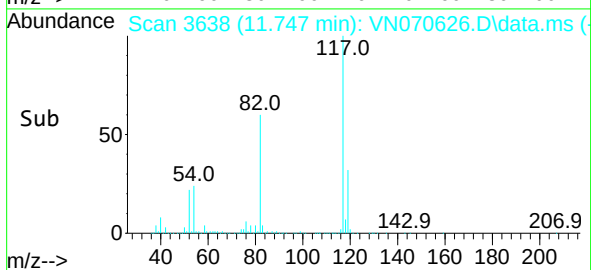
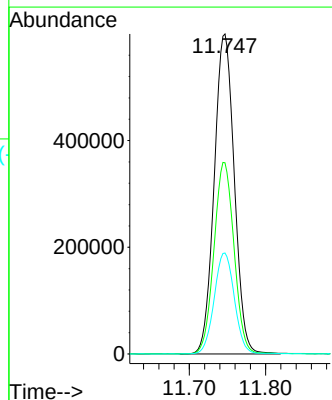
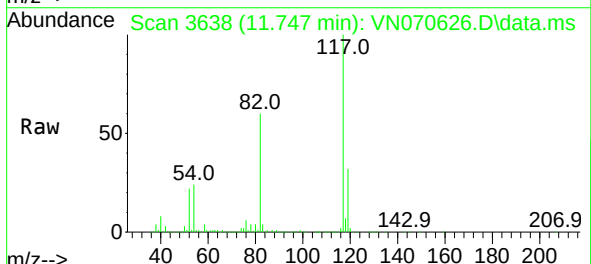
Instrument :
MSVOA_N
ClientSampleId :

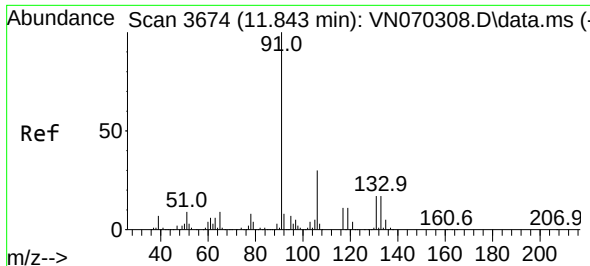
Tgt Ion: 95 Resp: 714556
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 72.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 117 Resp: 1097429
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 31.6 25.4 38.2

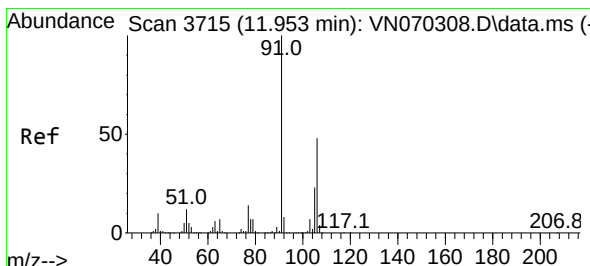
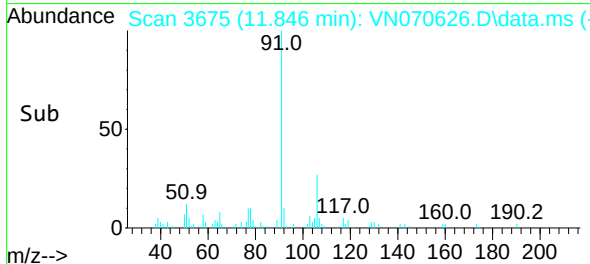
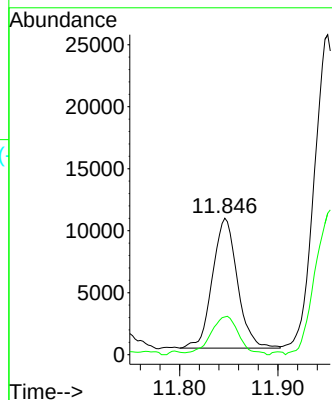
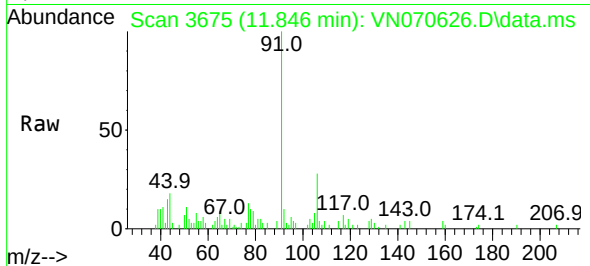




#67
Ethyl Benzene
Concen: 0.434 ug/l
RT: 11.846 min Scan# 3674
Delta R.T. 0.003 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

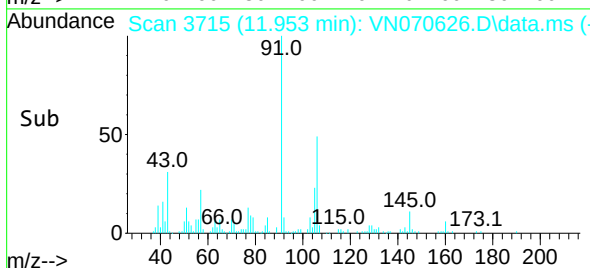
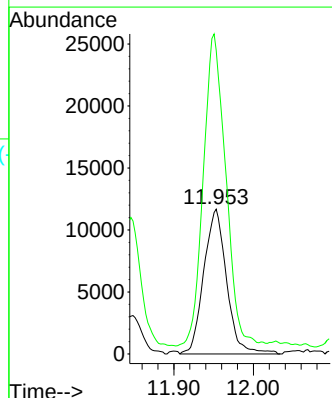
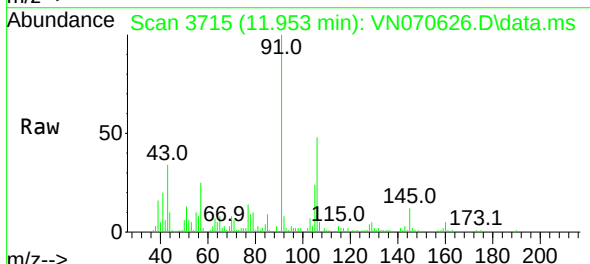
Instrument :
MSVOA_N
ClientSampleId :

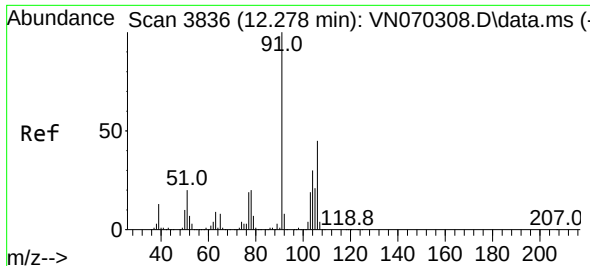
Tgt Ion: 91 Resp: 18505
Ion Ratio Lower Upper
91 100
106 27.1 25.7 38.5



#68
m/p-Xylenes
Concen: 1.502 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 106 Resp: 23331
Ion Ratio Lower Upper
106 100
91 210.3 160.6 240.8

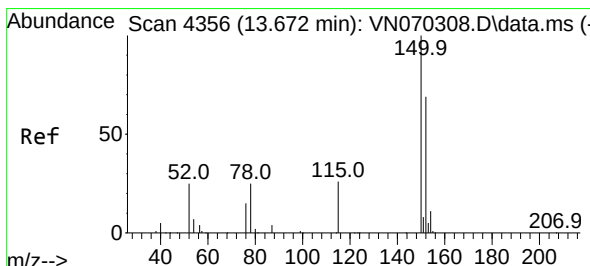
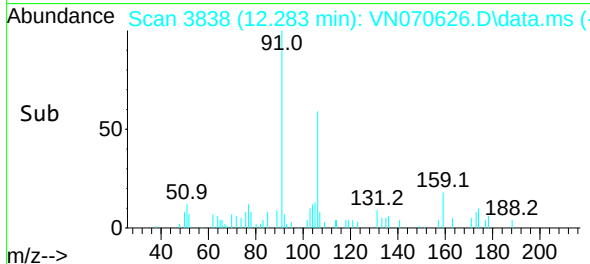
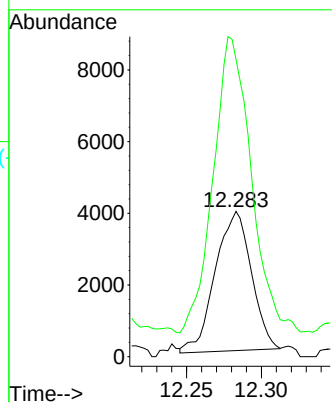
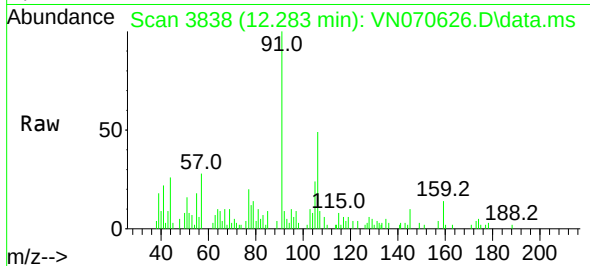




#69
o-Xylene
Concen: 0.423 ug/l
RT: 12.283 min Scan# 3836
Delta R.T. 0.005 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

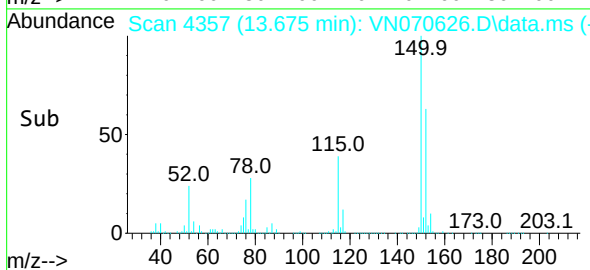
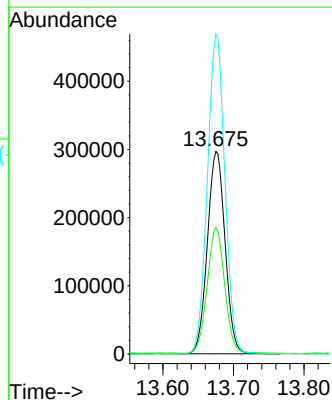
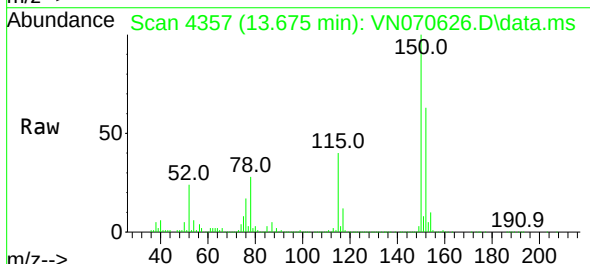
Instrument :
MSVOA_N
ClientSampleId :

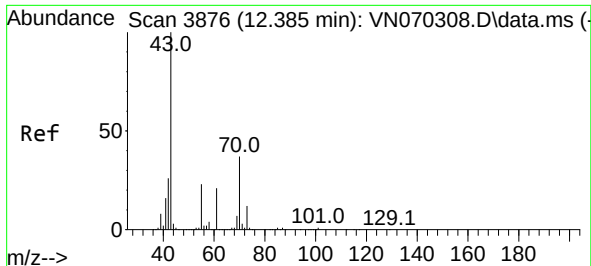
Tgt Ion:106 Resp: 6534
Ion Ratio Lower Upper
106 100
91 223.5 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

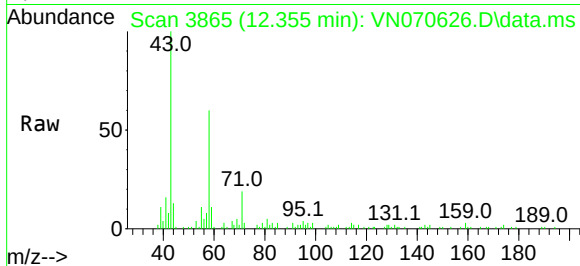
Tgt Ion:152 Resp: 517236
Ion Ratio Lower Upper
152 100
115 61.3 27.5 82.5
150 156.6 0.0 344.4



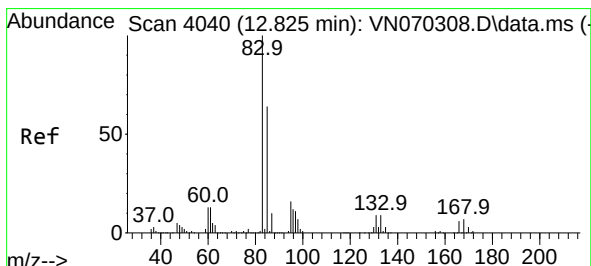
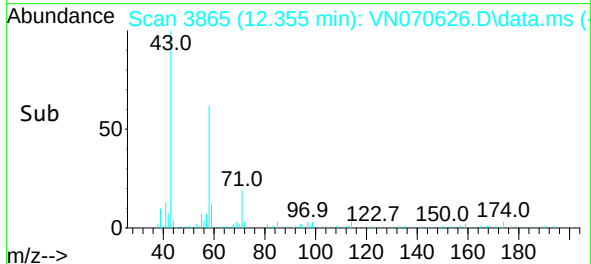
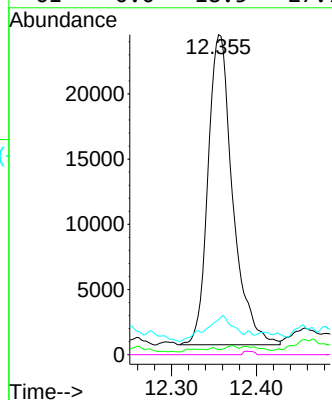


#74
N-amy1 acetate
Concen: 2.379 ug/l
RT: 12.355 min Scan# 3876
Delta R.T. -0.030 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Instrument :
MSVOA_N
ClientSampleId :

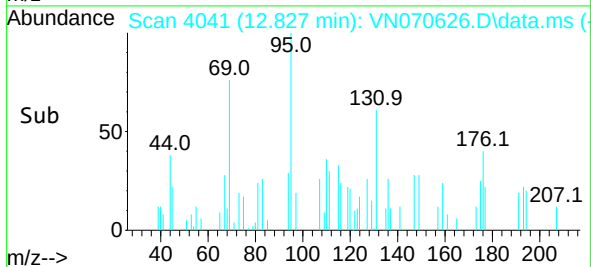
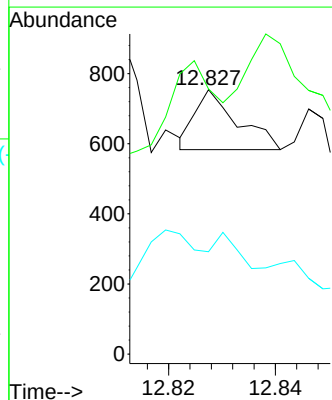
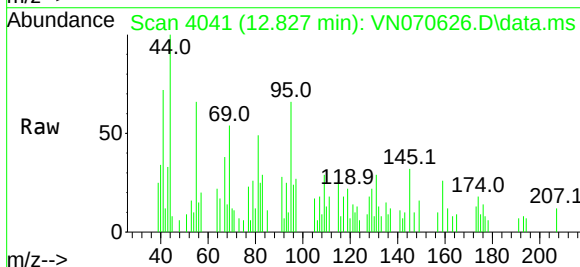


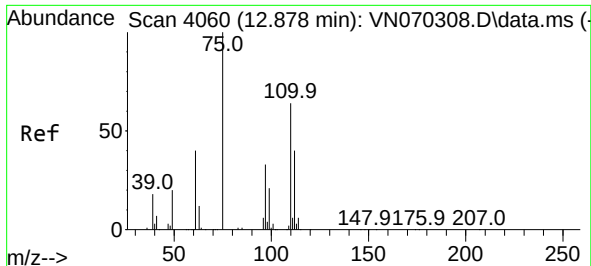
Tgt Ion: 43 Resp: 48038
Ion Ratio Lower Upper
43 100
70 0.1 33.4 50.0#
55 5.3 19.3 28.9#
61 0.0 18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.452 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.002 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 83 Resp: 94
Ion Ratio Lower Upper
83 100
131 224.5 5.5 16.5#
85 347.9 32.4 97.2#

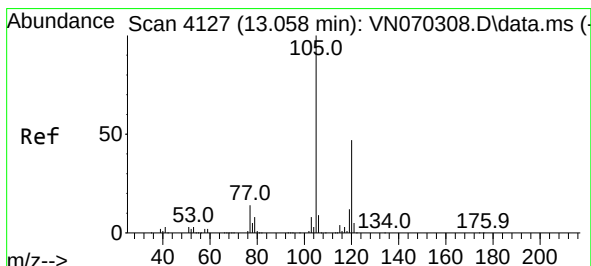
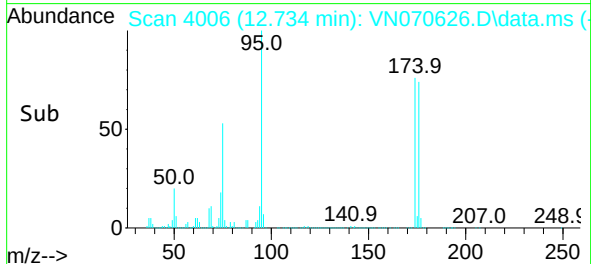
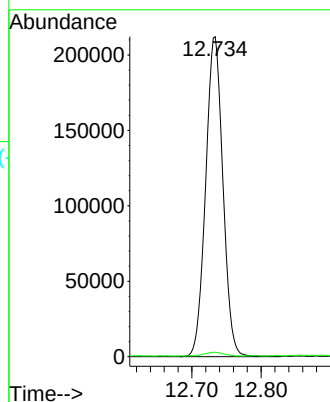
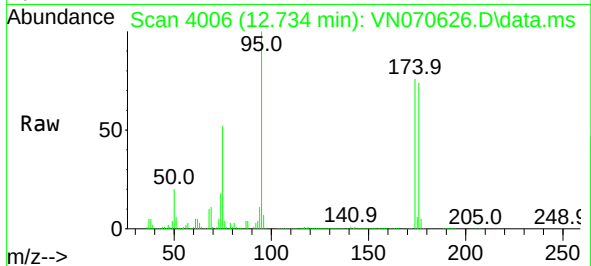




#76
1,2,3-Trichloropropane
Concen: 25.394 ug/l
RT: 12.734 min Scan# 4060
Delta R.T. -0.144 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

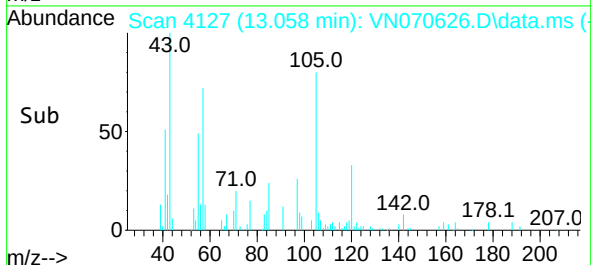
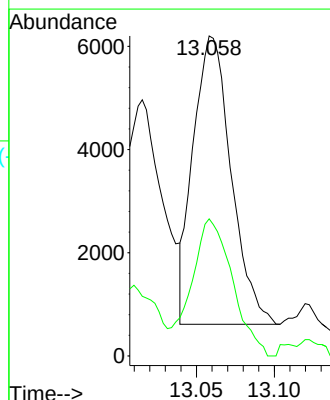
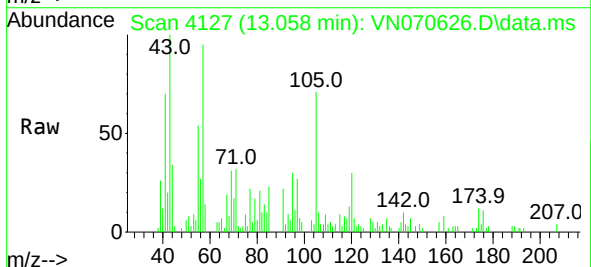
Instrument :
MSVOA_N
ClientSampleId :

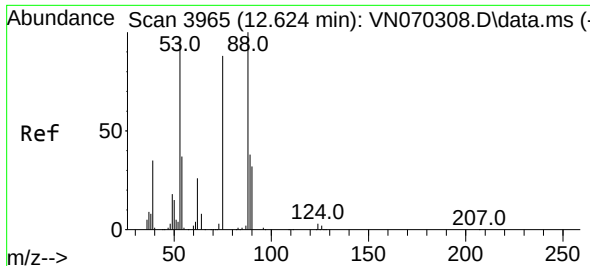
Tgt Ion: 75 Resp: 367063
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.246 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 105 Resp: 9466
Ion Ratio Lower Upper
105 100
120 50.9 24.6 73.6

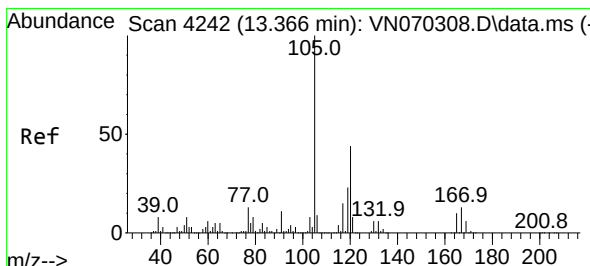
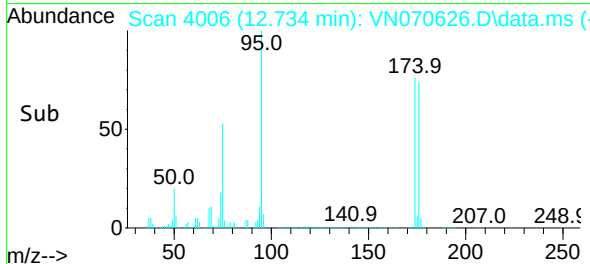
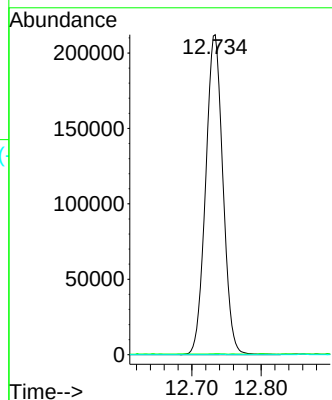
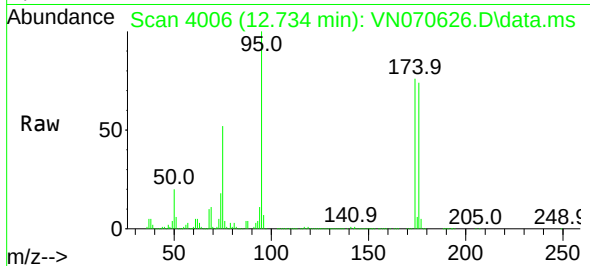




#81
trans-1,4-Dichloro-2-butene
Concen: 86.704 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

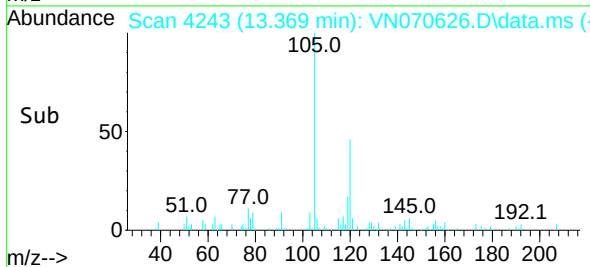
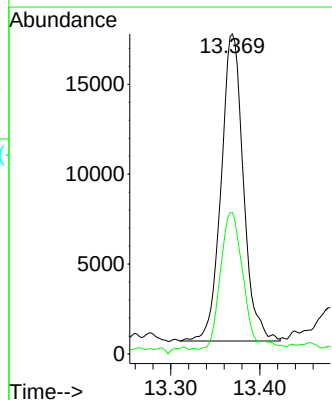
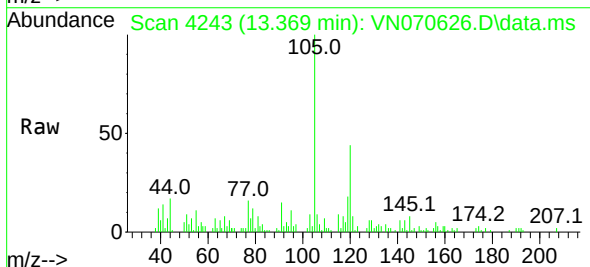
Instrument :
MSVOA_N
ClientSampleId :

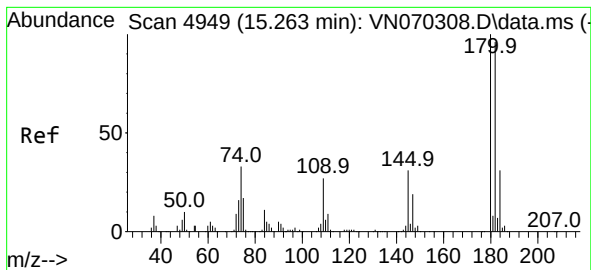
Tgt Ion: 75 Resp: 367063
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.803 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.003 min
Lab File: VN070626.D
Acq: 14 Jan 2022 16:29

Tgt Ion: 105 Resp: 29748
Ion Ratio Lower Upper
105 100
120 47.1 22.8 68.4





#93

1,2,4-Trichlorobenzene

Concen: 0.252 ug/l

RT: 15.263 min Scan# 4949

Delta R.T. -0.000 min

Lab File: VN070626.D

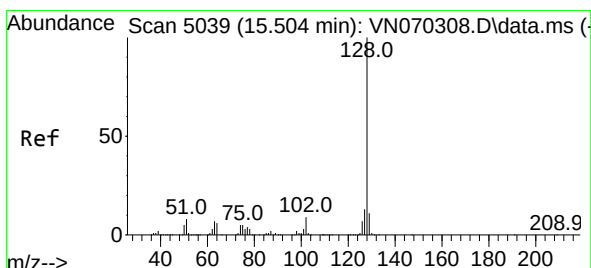
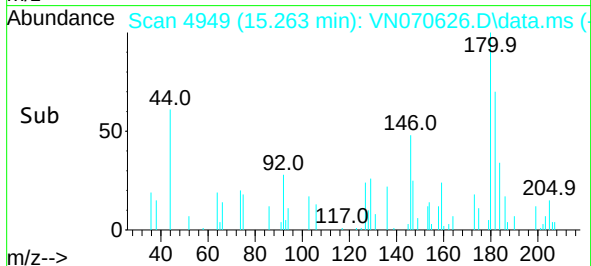
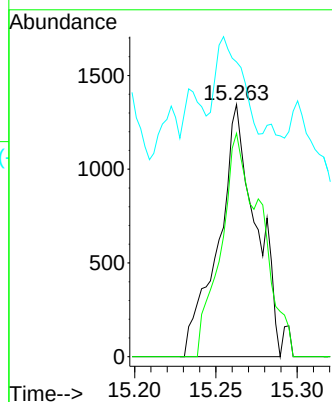
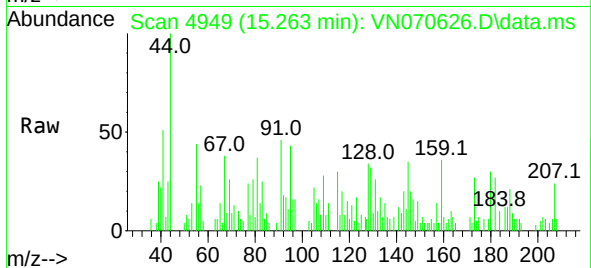
Acq: 14 Jan 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	2152
Ion Ratio	Lower	Upper
180	100	
182	95.3	48.3 144.9
145	30.8	14.5 43.5



#95

Naphthalene

Concen: 2.722 ug/l

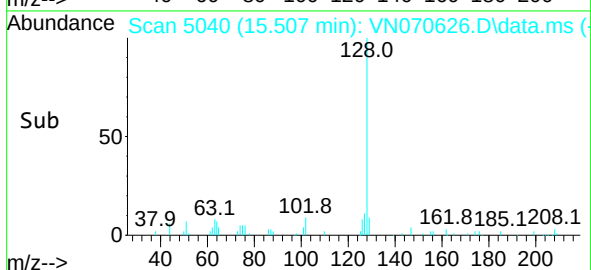
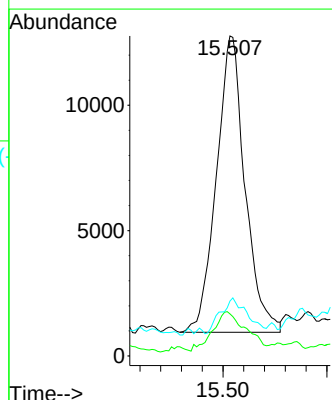
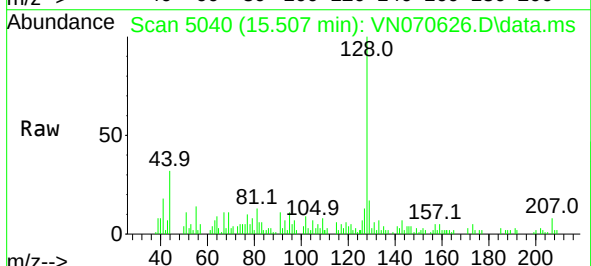
RT: 15.507 min Scan# 5040

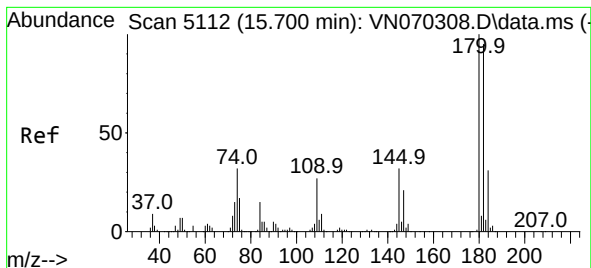
Delta R.T. 0.003 min

Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

Tgt Ion:128	Resp:	22626
Ion Ratio	Lower	Upper
128	100	
127	15.4	10.5 15.7
129	11.3	8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 1.015 ug/l

RT: 15.700 min Scan# 51

Delta R.T. -0.000 min

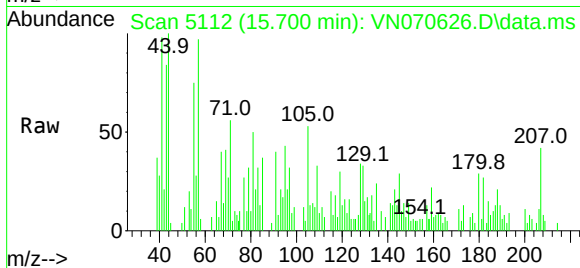
Lab File: VN070626.D

Acq: 14 Jan 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1564

Ion Ratio Lower Upper

180 100

182 110.0 47.4 142.2

145 13.1 15.0 45.1#

