

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070435.D
 Acq On : 3 Jan 2022 14:20
 Operator : JC/MD
 Sample : M5234-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-23-21

Quant Time: Jan 04 01:32:44 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)

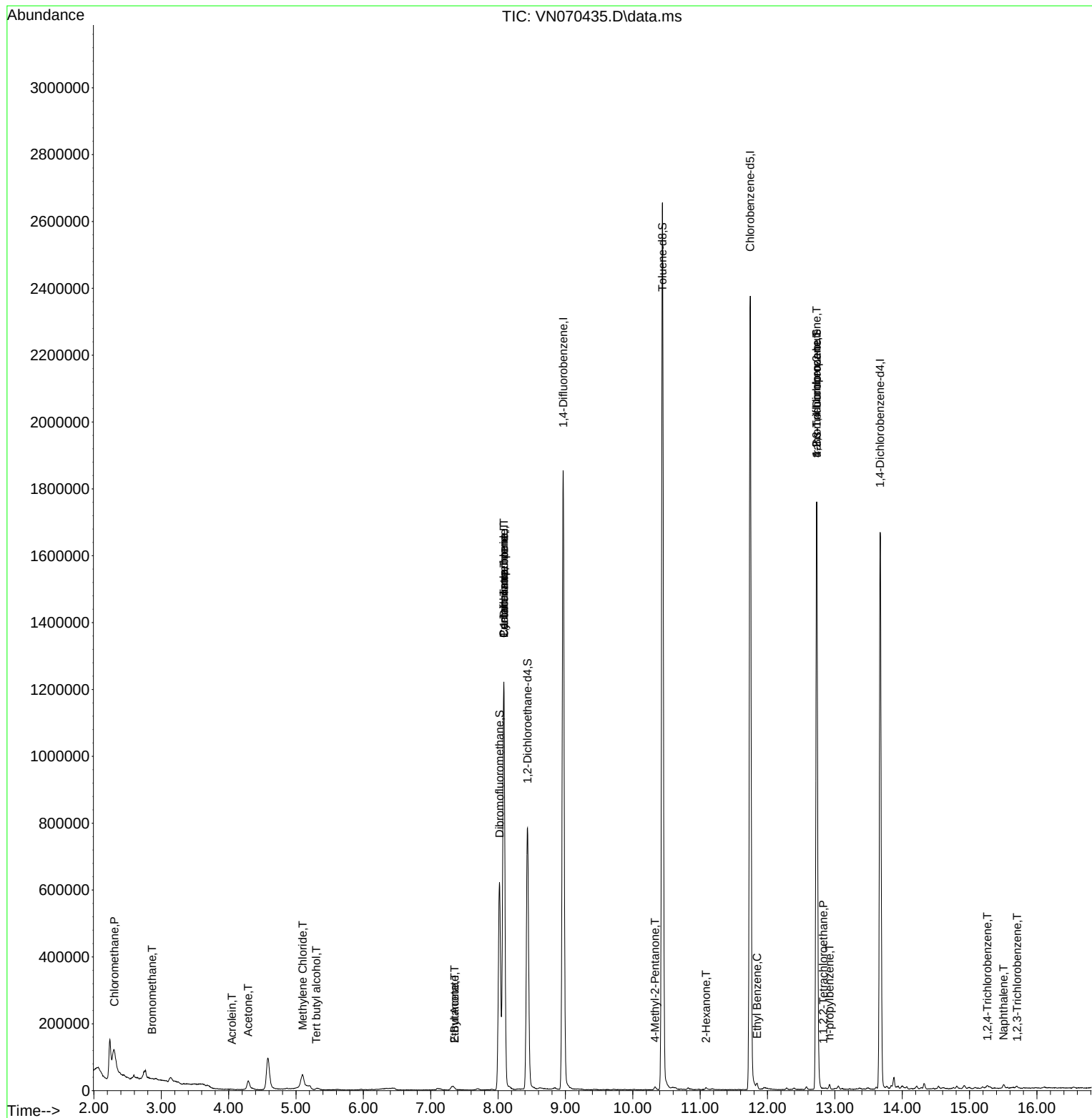
Internal Standards						
1) Pentafluorobenzene	8.086	168	945730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1585852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1384764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	452684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	666566	49.020	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.040%		
35) Dibromofluoromethane	8.021	113	463011	48.254	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.500%		
50) Toluene-d8	10.440	98	1846865	47.117	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.240%		
62) 4-Bromofluorobenzene	12.731	95	647930	45.767	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.540%		
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	5814	0.399	ug/l #	68
5) Bromomethane	2.864	94	1516	0.221	ug/l #	60
11) Tert butyl alcohol	5.302	59	2055	0.908	ug/l #	71
13) Acrolein	4.047	56	823	0.448	ug/l #	72
16) Acetone	4.291	43	41368	4.686	ug/l	96
20) Methylene Chloride	5.098	84	26045	2.133	ug/l	87
25) 2-Butanone	7.353	43	10085	0.907	ug/l #	87
31) Cyclohexane	8.086	56	21835	1.018	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	77681	4.894	ug/l #	43
37) Ethyl Acetate	7.353	43	10085	0.490	ug/l #	68
38) Carbon Tetrachloride	8.086	117	93045	6.139	ug/l #	16
51) 4-Methyl-2-Pentanone	10.330	43	7211	0.354	ug/l	90
59) 2-Hexanone	11.087	43	4780	0.322	ug/l	86
67) Ethyl Benzene	11.846	91	10818	0.201	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.830	83	624	0.488	ug/l #	68
76) 1,2,3-Trichloropropane	12.731	75	338624	26.620	ug/l #	1
78) n-propylbenzene	12.921	91	11172	0.240	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.731	75	338624	91.393	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	2199	0.295	ug/l	99
95) Naphthalene	15.504	128	11283	2.324	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.705	180	2789	1.210	ug/l	94

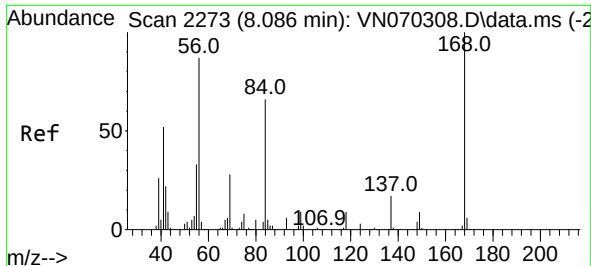
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
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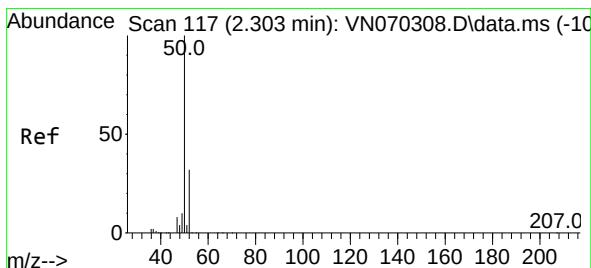
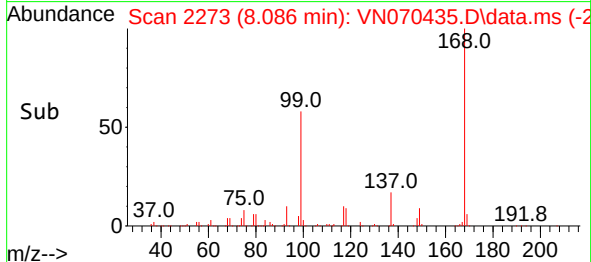
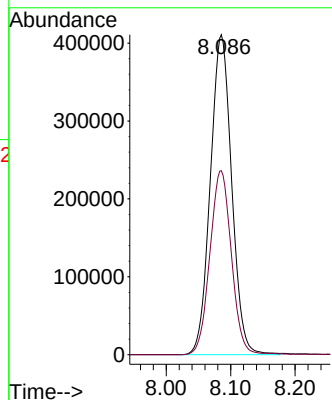
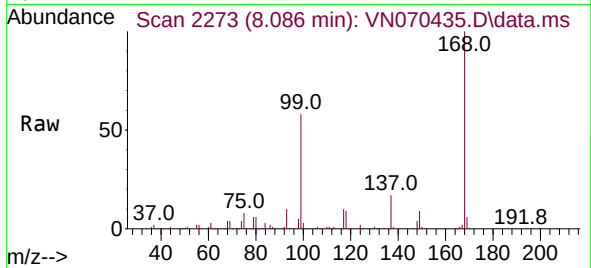




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

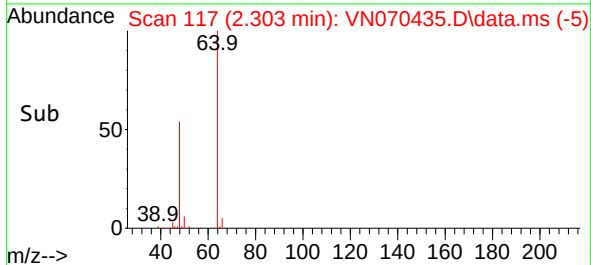
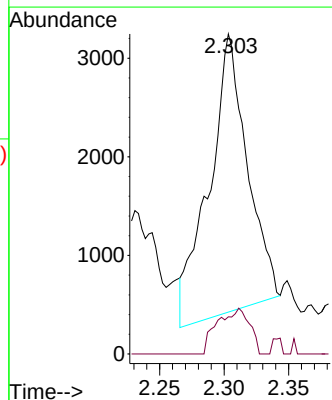
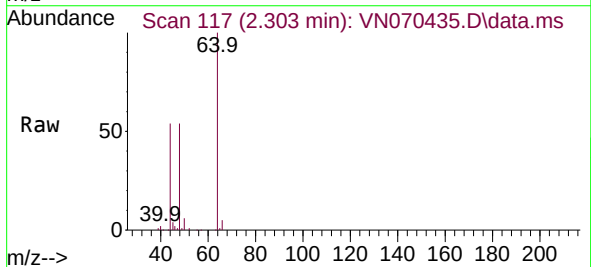
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

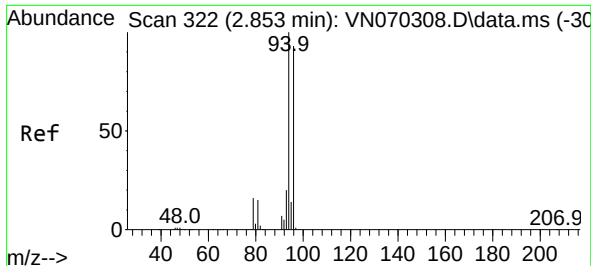
Tgt Ion:168 Resp: 945730
Ion Ratio Lower Upper
168 100
99 57.5 41.3 61.9



#3
Chloromethane
Concen: 0.399 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 50 Resp: 5814
Ion Ratio Lower Upper
50 100
52 14.2 25.4 38.0#





#5

Bromomethane

Concen: 0.221 ug/l

RT: 2.864 min Scan# 31

Delta R.T. 0.011 min

Lab File: VN070435.D

Acq: 3 Jan 2022 14:20

Instrument :

MSVOA_N

ClientSampleId :

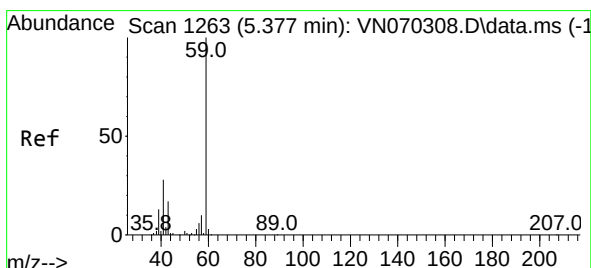
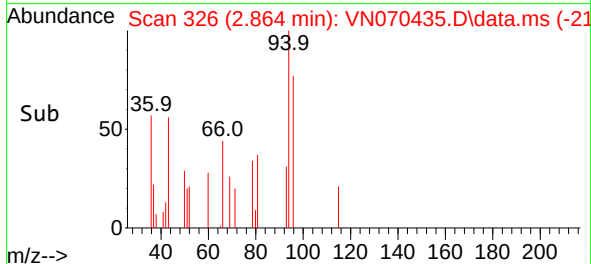
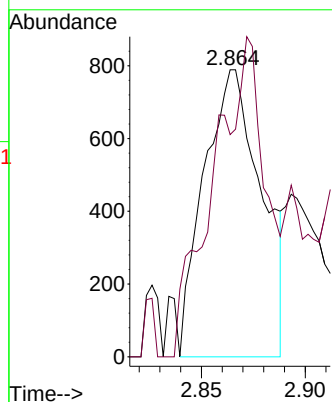
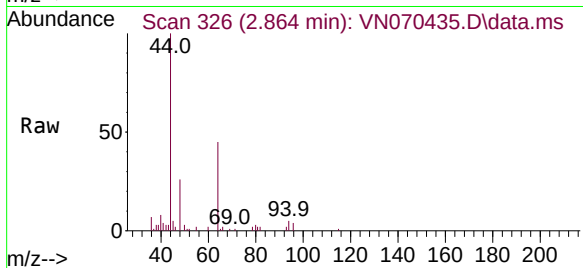
TB-12-23-21

Tgt Ion: 94 Resp: 1516

Ion Ratio Lower Upper

94 100

96 53.9 73.8 110.8#



#11

Tert butyl alcohol

Concen: 0.908 ug/l

RT: 5.302 min Scan# 1235

Delta R.T. -0.075 min

Lab File: VN070435.D

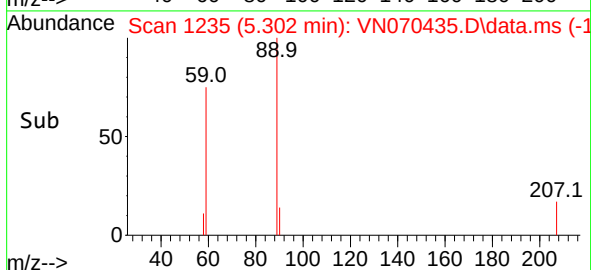
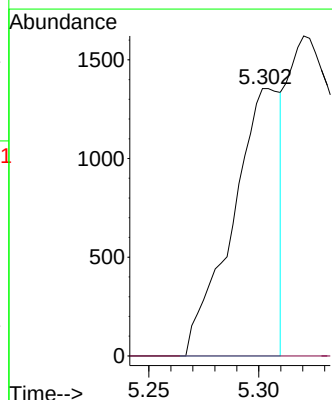
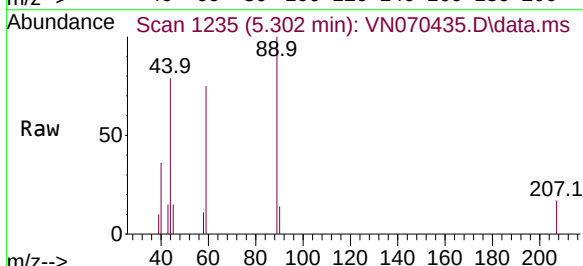
Acq: 3 Jan 2022 14:20

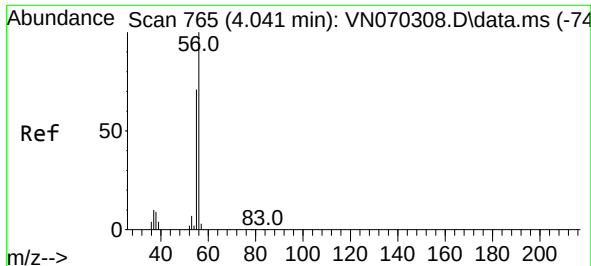
Tgt Ion: 59 Resp: 2055

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.448 ug/l

RT: 4.047 min Scan# 765

Delta R.T. 0.006 min

Lab File: VN070435.D

Acq: 3 Jan 2022 14:20

Instrument :

MSVOA_N

ClientSampleId :

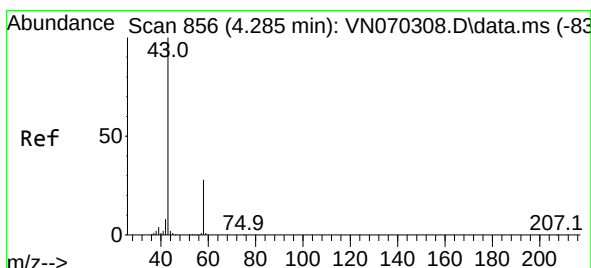
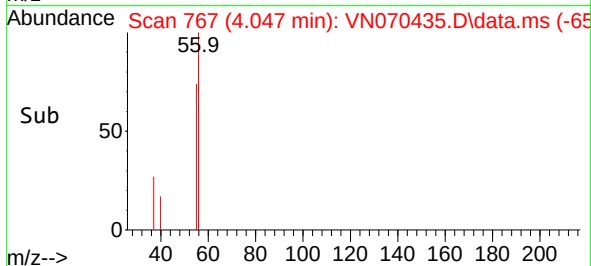
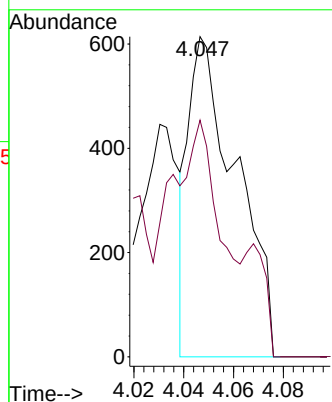
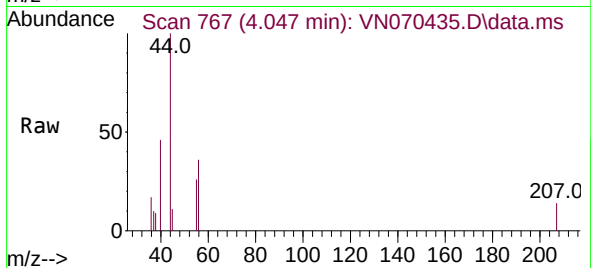
TB-12-23-21

Tgt Ion: 56 Resp: 823

Ion Ratio Lower Upper

56 100

55 47.9 56.6 85.0#



#16

Acetone

Concen: 4.686 ug/l

RT: 4.291 min Scan# 858

Delta R.T. 0.006 min

Lab File: VN070435.D

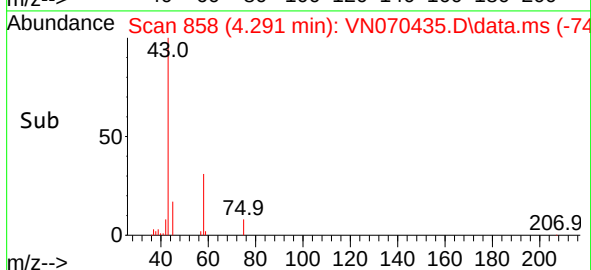
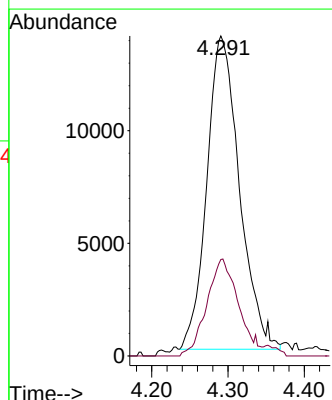
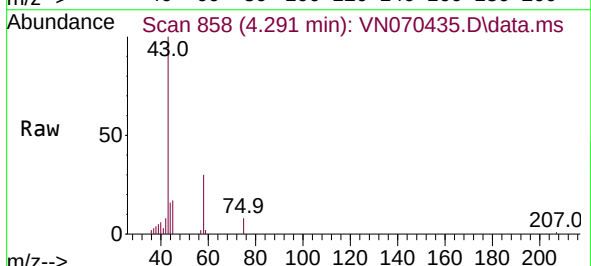
Acq: 3 Jan 2022 14:20

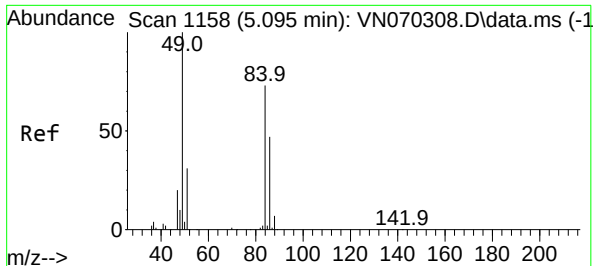
Tgt Ion: 43 Resp: 41368

Ion Ratio Lower Upper

43 100

58 30.8 23.1 34.7

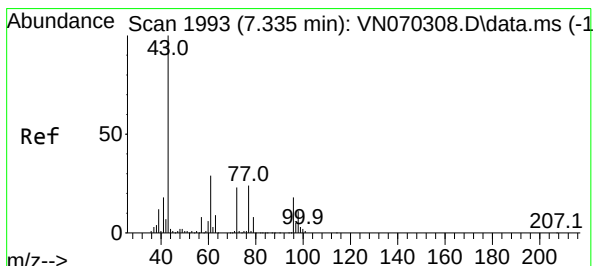
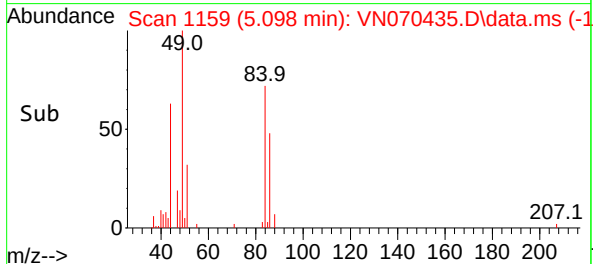
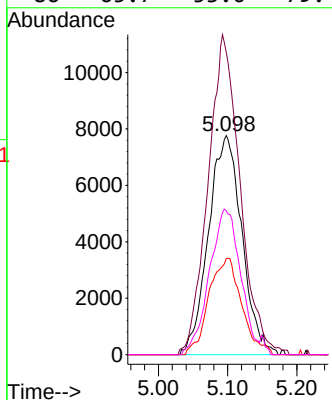
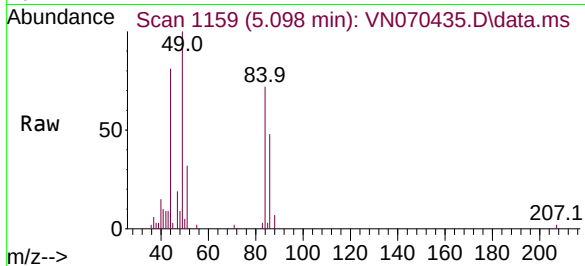




#20
Methylene Chloride
Concen: 2.133 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

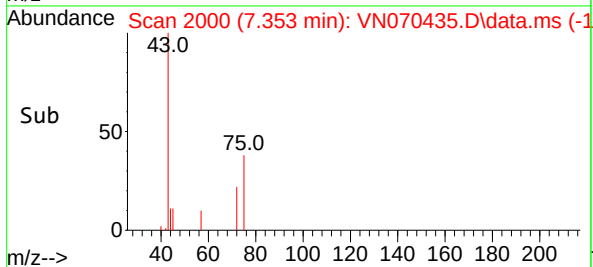
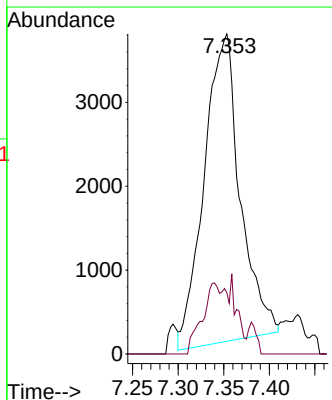
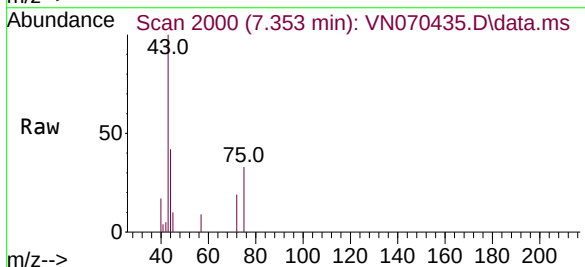
Instrument :
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TB-12-23-21

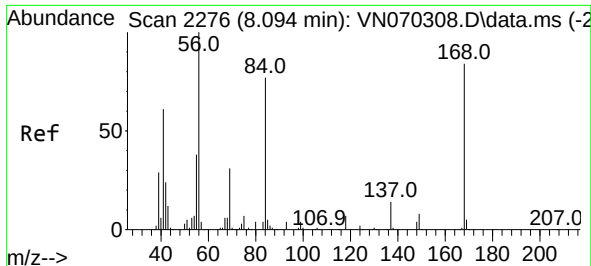
Tgt Ion:	84	Resp:	26045
Ion	Ratio	Lower	Upper
84	100		
49	138.2	93.5	140.3
51	43.8	29.4	44.2
86	65.7	53.0	79.4



#25
2-Butanone
Concen: 0.907 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.018 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion:	43	Resp:	10085
Ion	Ratio	Lower	Upper
43	100		
72	20.6	21.7	32.5#

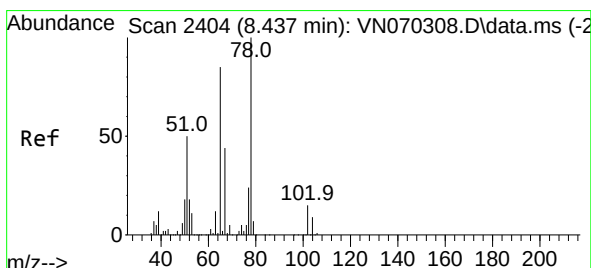
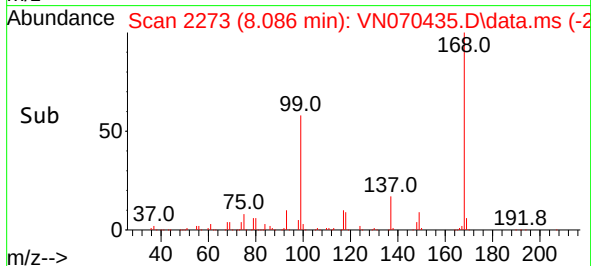
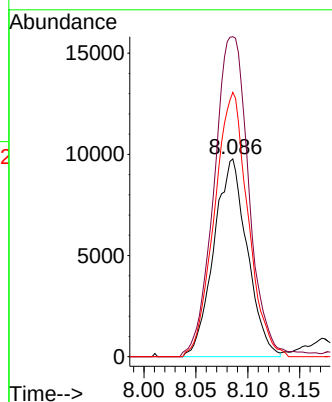
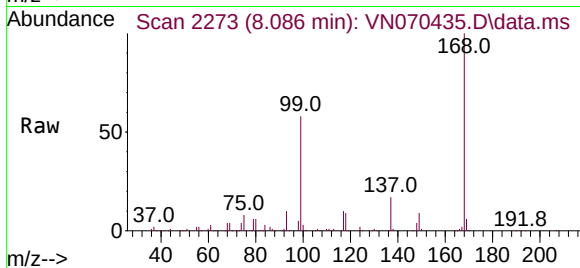




#31
Cyclohexane
Concen: 1.018 ug/l
RT: 8.086 min Scan# 21835
Delta R.T. -0.008 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

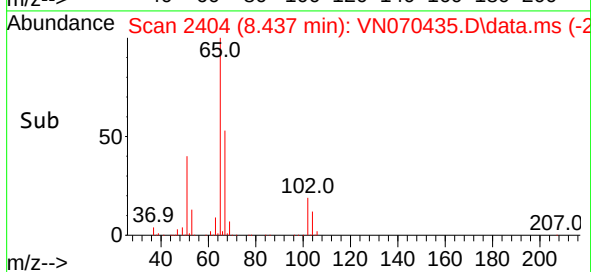
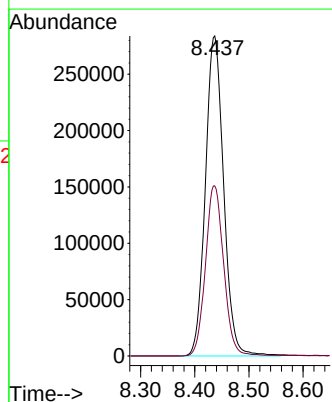
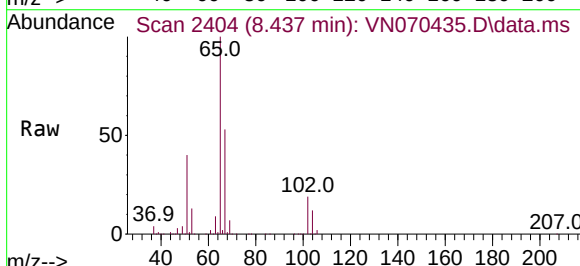
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

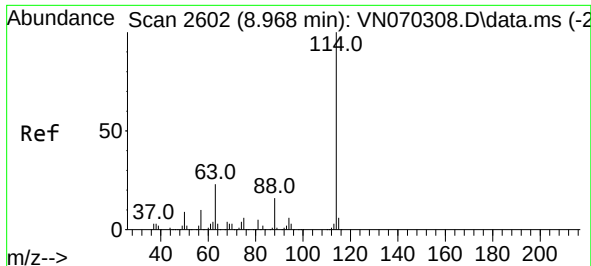
Tgt Ion: 56 Resp: 21835
Ion Ratio Lower Upper
56 100
69 161.8 27.1 40.7#
84 133.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.020 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 65 Resp: 666566
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0

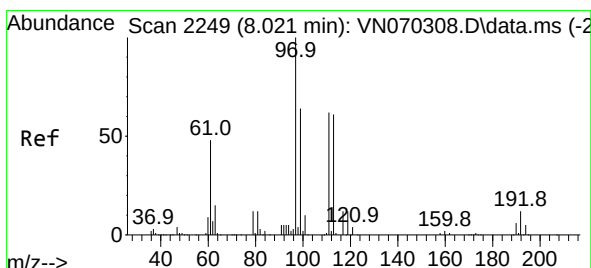
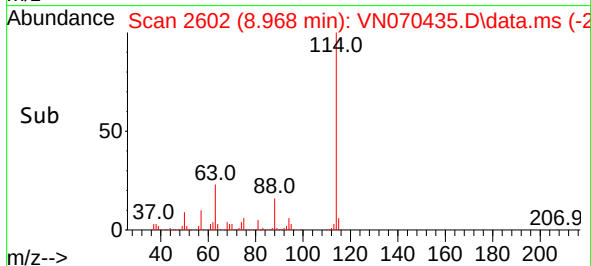
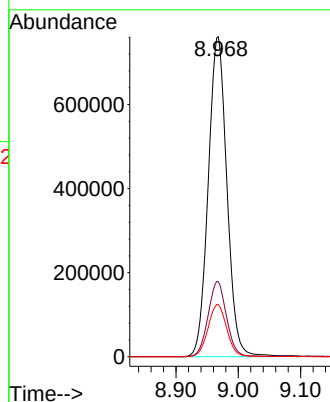
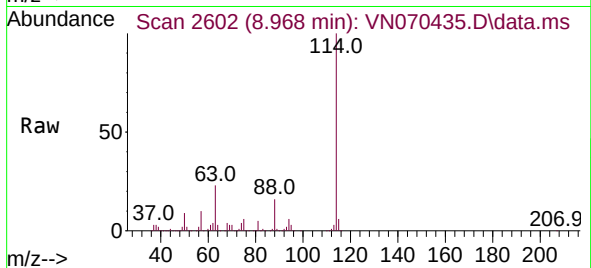




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

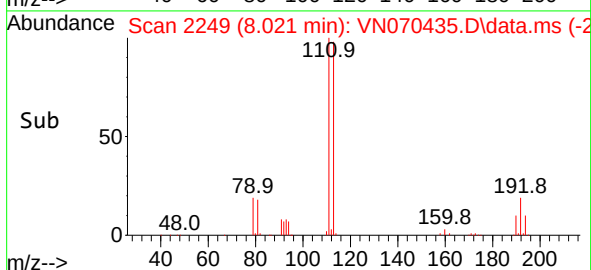
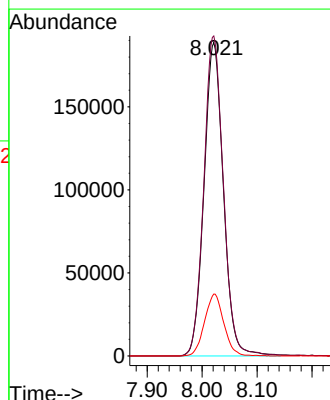
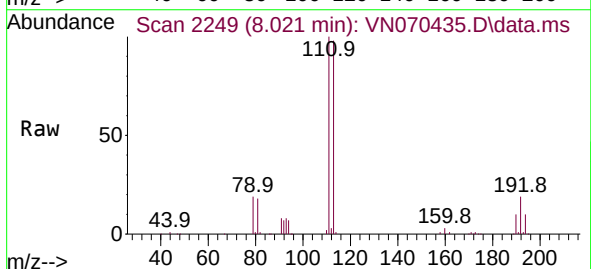
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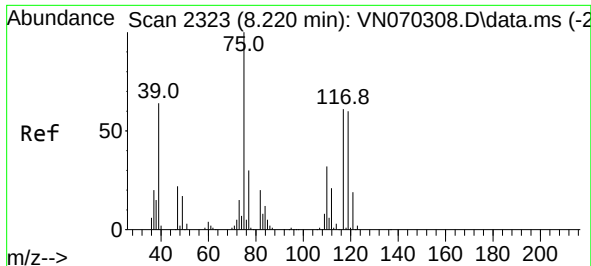
Tgt Ion:114 Resp: 1585852
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.254 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion:113 Resp: 463011
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.6 16.9 25.3

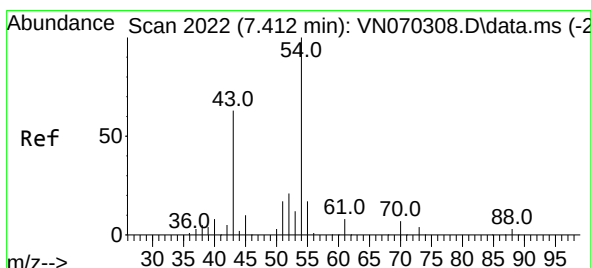
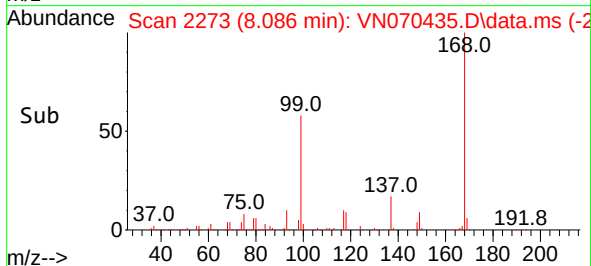
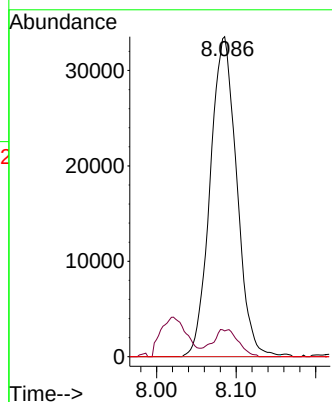
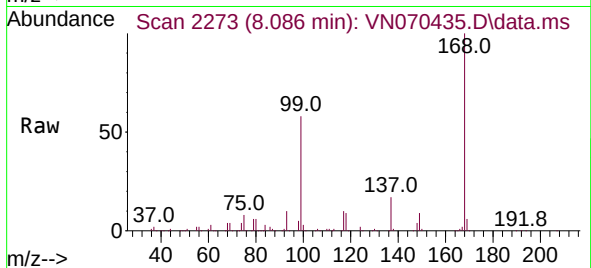




#36
1,1-Dichloropropene
Concen: 4.894 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

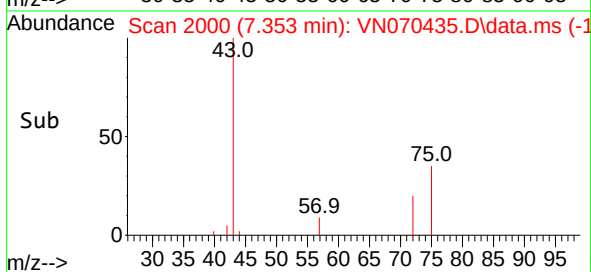
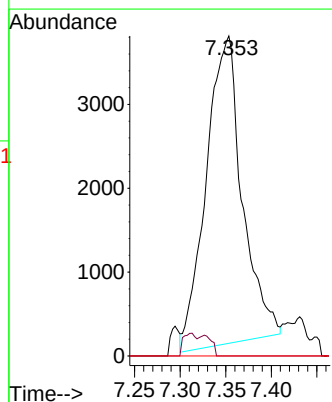
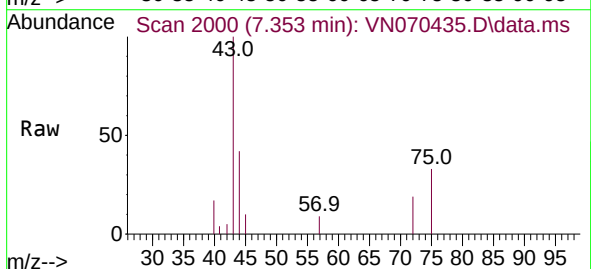
Instrument :
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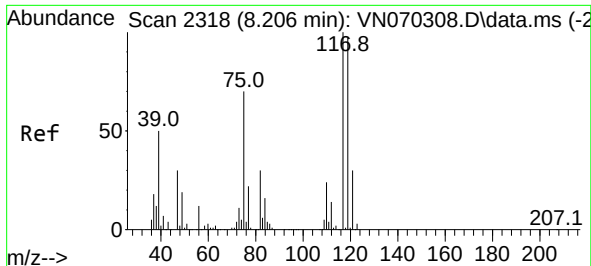
Tgt Ion: 75 Resp: 77681
Ion Ratio Lower Upper
75 100
110 2.2 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.490 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.059 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 43 Resp: 10085
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

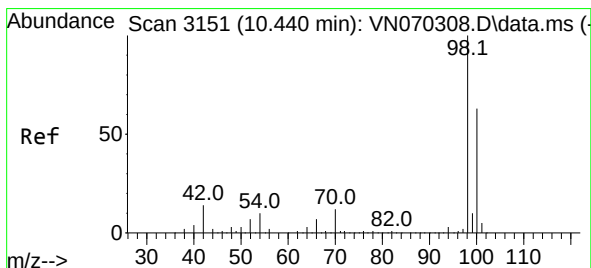
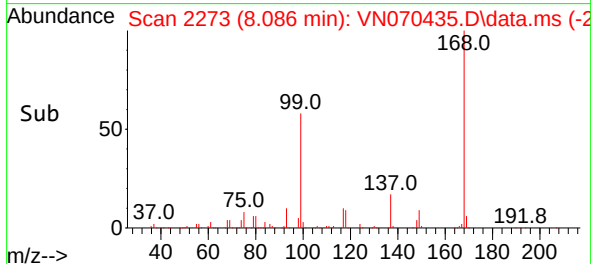
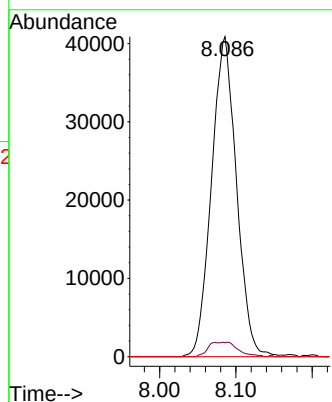
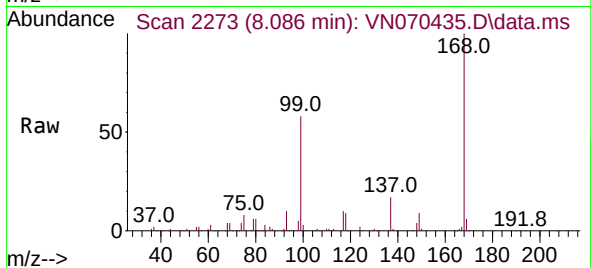




#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

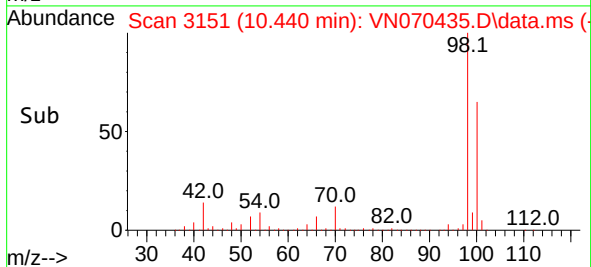
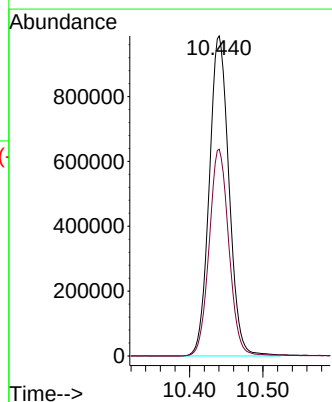
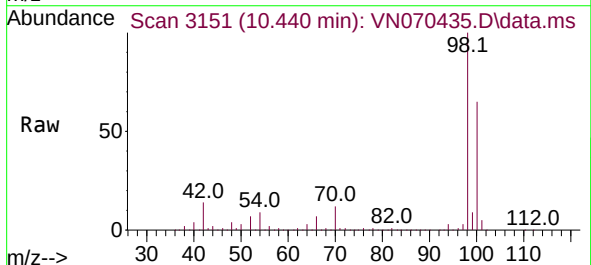
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

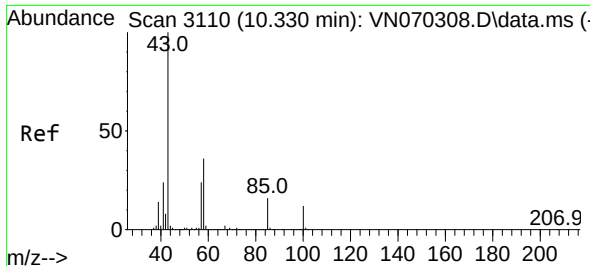
Tgt Ion:117 Resp: 93045
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.117 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 98 Resp: 1846865
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

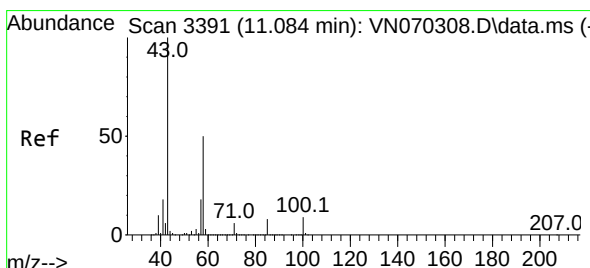
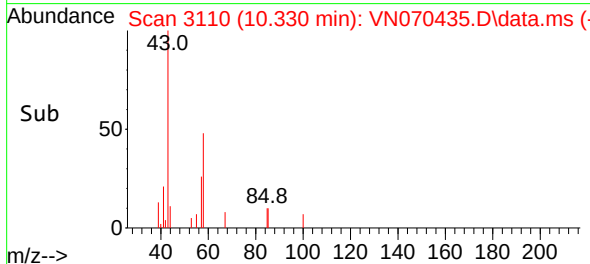
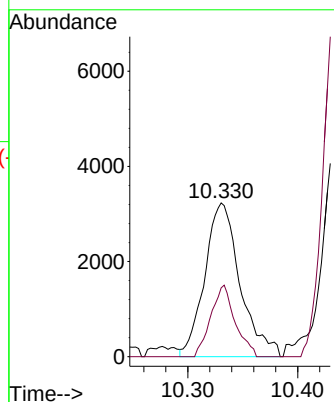
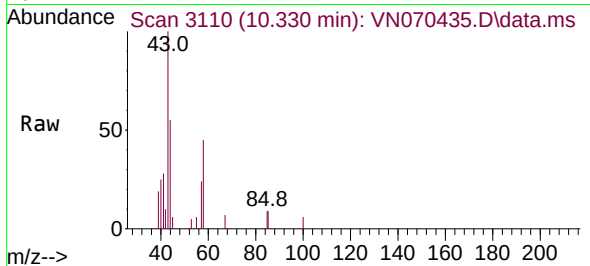




#51
4-Methyl-2-Pentanone
Concen: 0.354 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

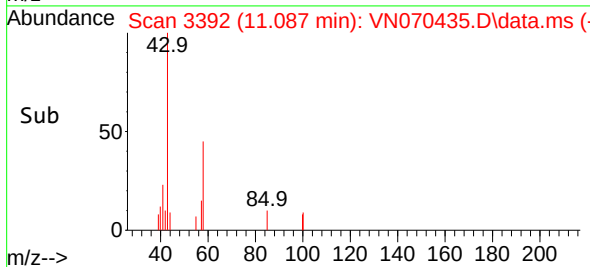
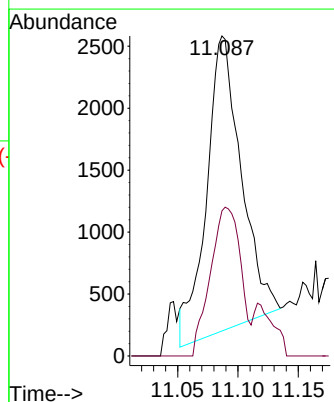
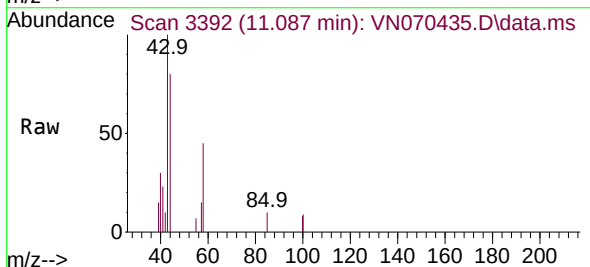
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

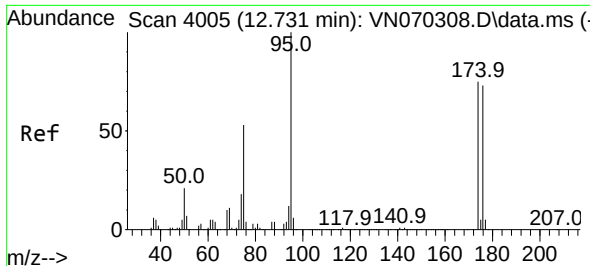
Tgt Ion: 43 Resp: 7211
Ion Ratio Lower Upper
43 100
58 31.9 30.4 45.6



#59
2-Hexanone
Concen: 0.322 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 43 Resp: 4780
Ion Ratio Lower Upper
43 100
58 44.1 26.9 80.7

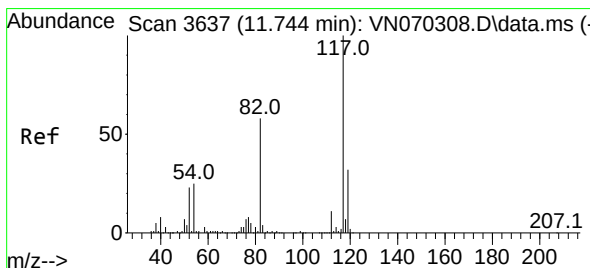
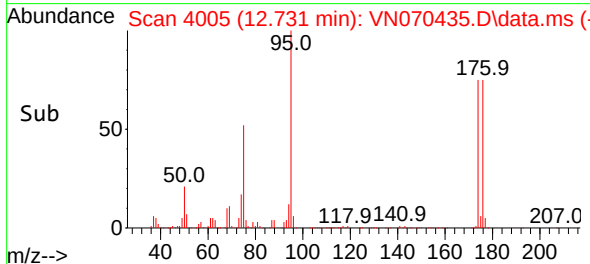
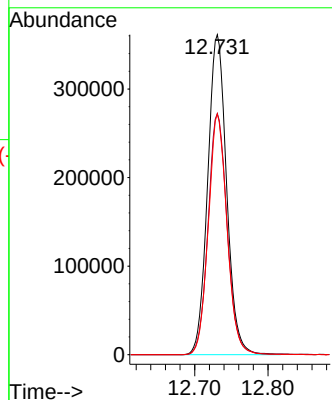
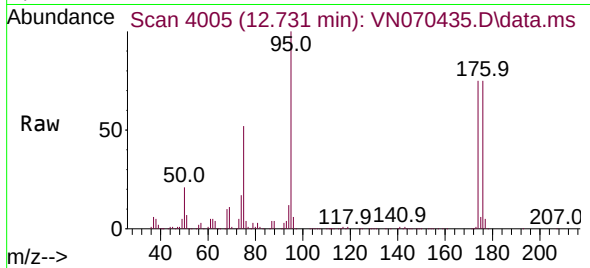




#62
4-Bromofluorobenzene
Concen: 45.767 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

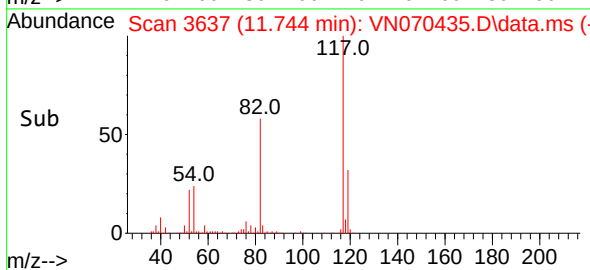
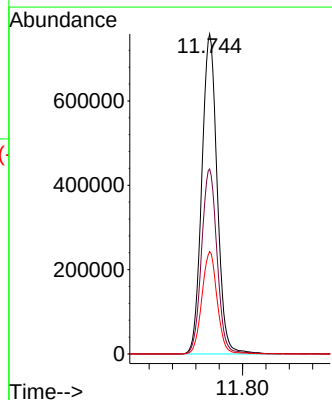
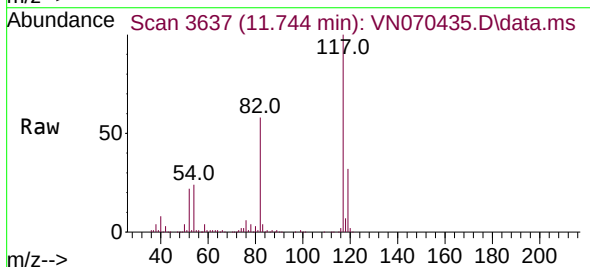
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

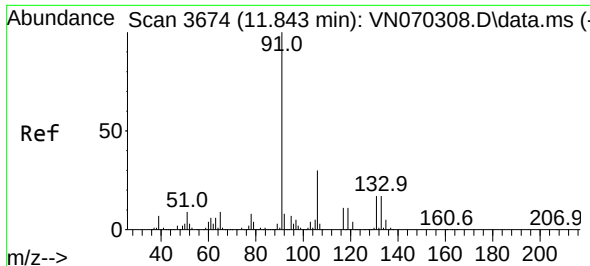
Tgt Ion: 95 Resp: 647930
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 74.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 117 Resp: 1384764
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 32.0 25.4 38.2

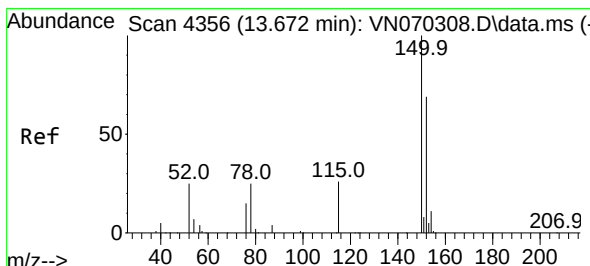
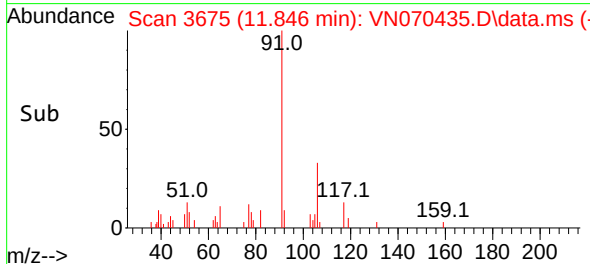
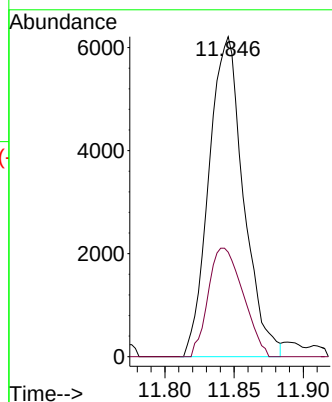
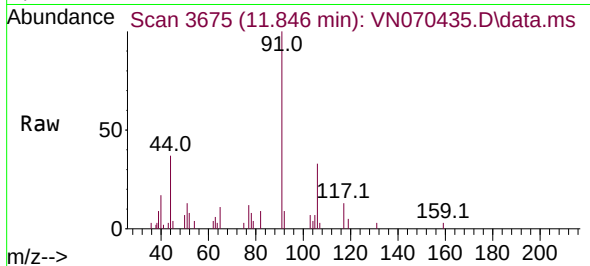




#67
Ethyl Benzene
Concen: 0.201 ug/l
RT: 11.846 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

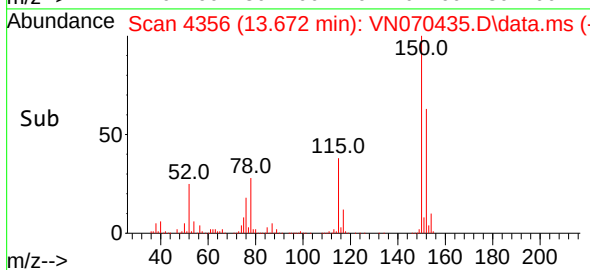
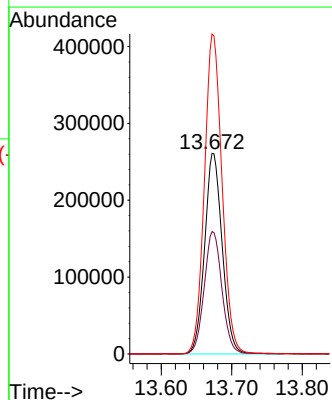
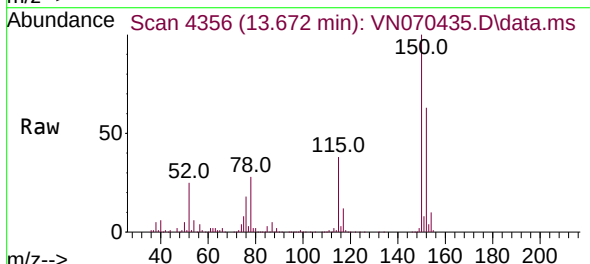
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

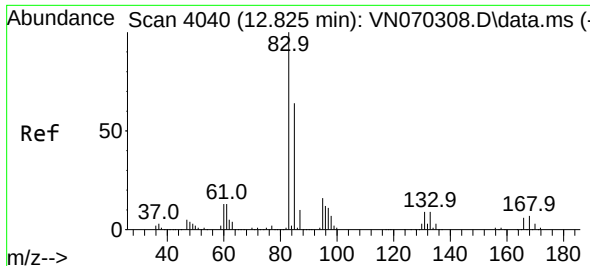
Tgt Ion: 91 Resp: 10818
Ion Ratio Lower Upper
91 100
106 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion:152 Resp: 452684
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 159.3 0.0 344.4

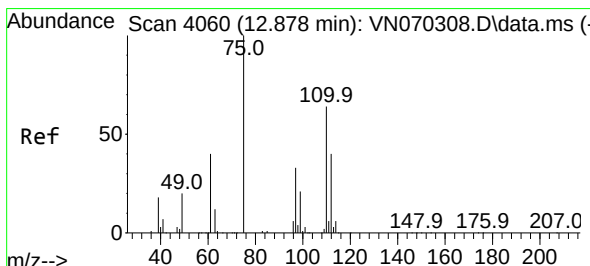
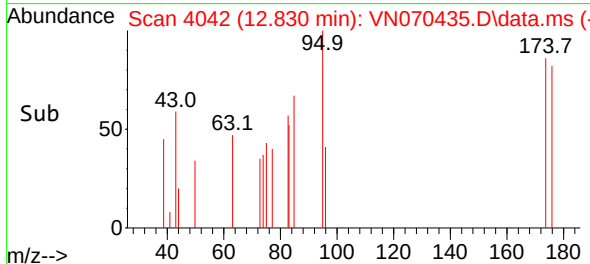
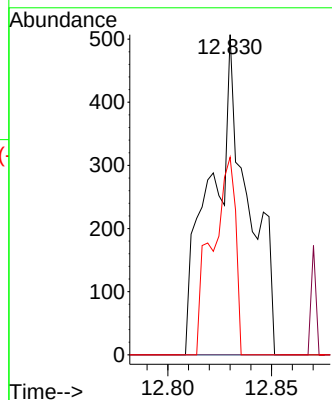
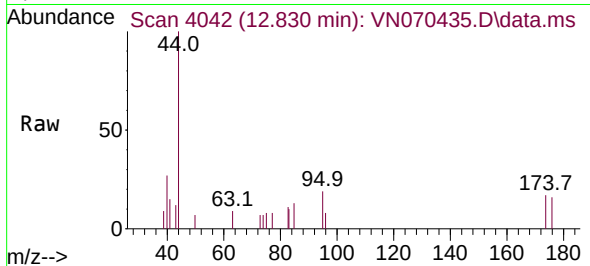




#75
1,1,2,2-Tetrachloroethane
Concen: 0.488 ug/l
RT: 12.830 min Scan# 4040
Delta R.T. 0.005 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

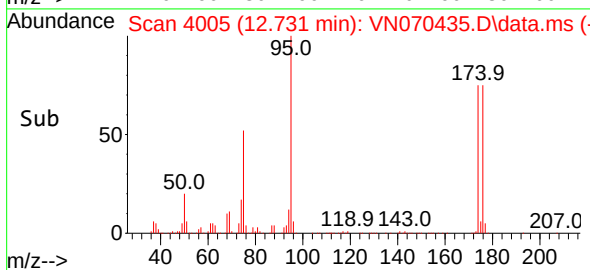
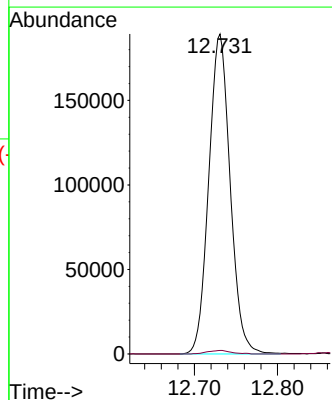
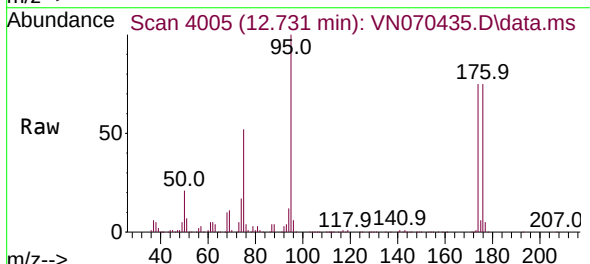
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

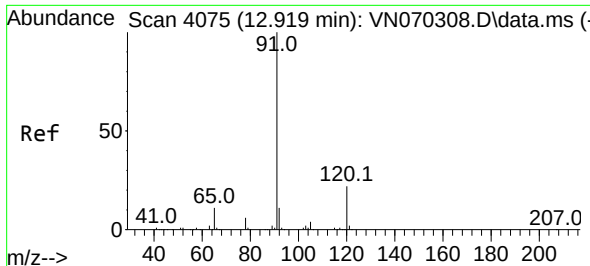
Tgt Ion: 83 Resp: 624
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 39.3 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 26.620 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 75 Resp: 338624
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

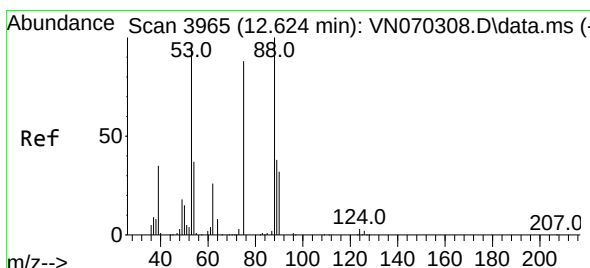
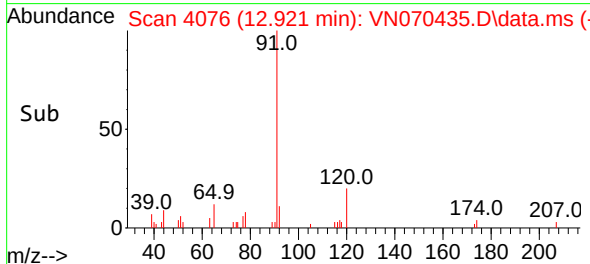
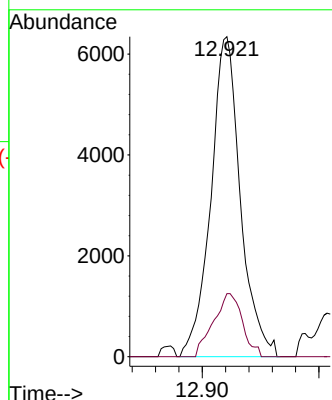
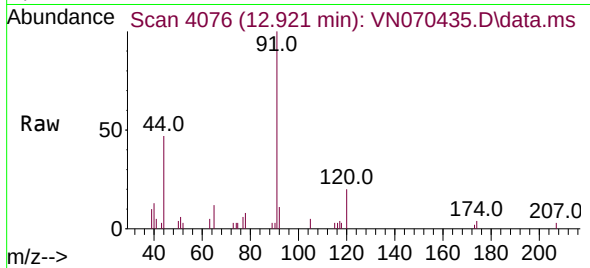




#78
n-propylbenzene
Concen: 0.240 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

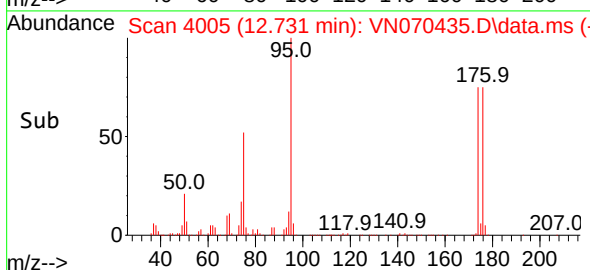
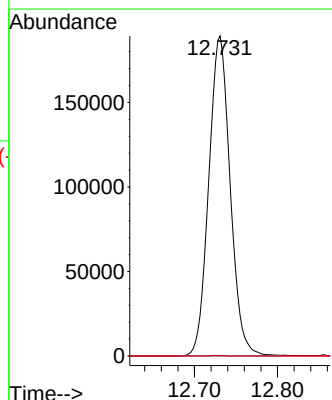
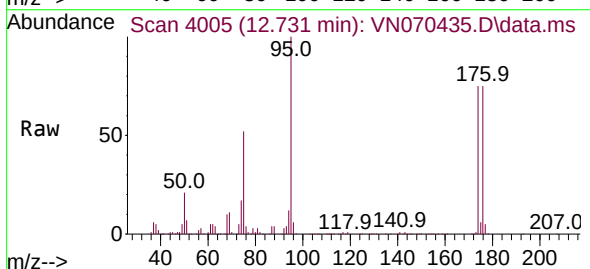
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

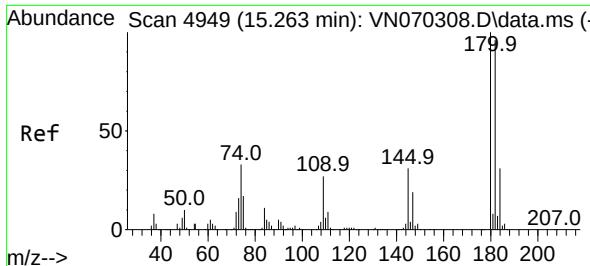
Tgt Ion: 91 Resp: 11172
Ion Ratio Lower Upper
91 100
120 19.2 11.9 35.9



#81
trans-1,4-Dichloro-2-butene
Concen: 91.393 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

Tgt Ion: 75 Resp: 338624
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

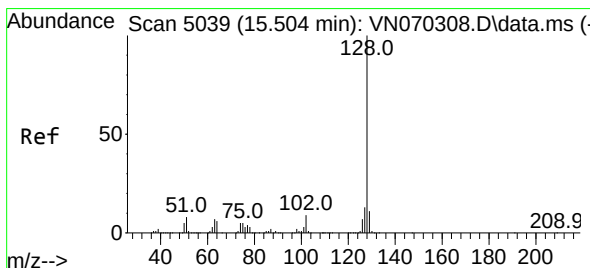
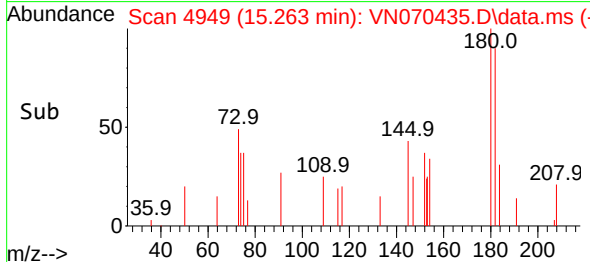
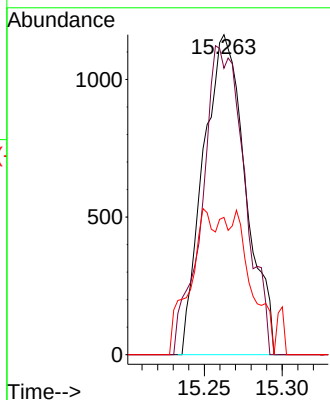
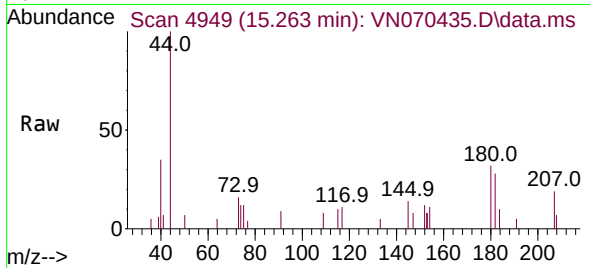




#93
1,2,4-Trichlorobenzene
Concen: 0.295 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

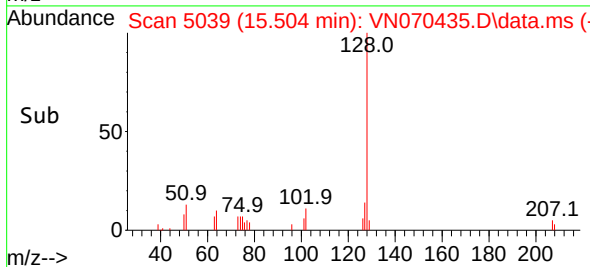
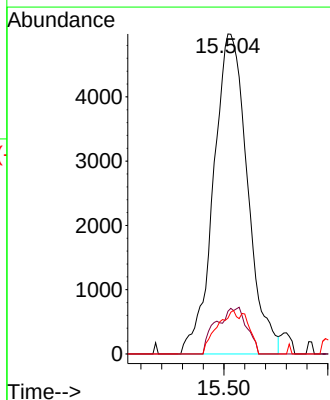
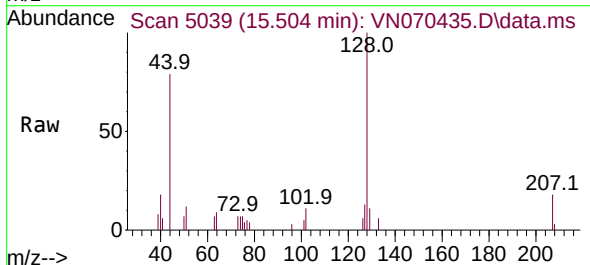
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

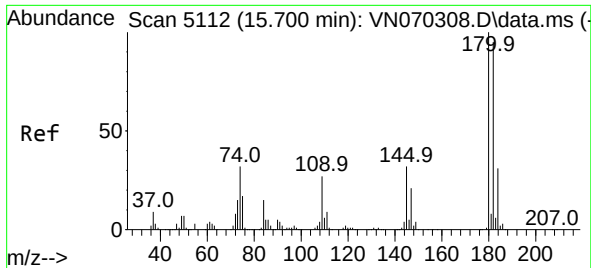
Tgt Ion:180 Resp: 2199
Ion Ratio Lower Upper
180 100
182 96.7 48.3 144.9
145 27.0 14.5 43.5



#95
Naphthalene
Concen: 2.324 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070435.D
Acq: 3 Jan 2022 14:20

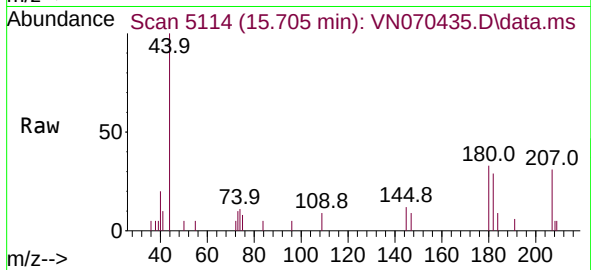
Tgt Ion:128 Resp: 11283
Ion Ratio Lower Upper
128 100
127 8.9 10.5 15.7#
129 8.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.210 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.005 min
 Lab File: VN070435.D
 Acq: 3 Jan 2022 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-23-21



Tgt Ion:180 Resp: 2789

Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.4	142.2
145	24.0	15.0	45.1

