

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052022\
 Data File : VN072569.D
 Acq On : 20 May 2022 11:38
 Operator : JC\MD
 Sample : VN0520MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520MBL01

Quant Time: May 21 01:30:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

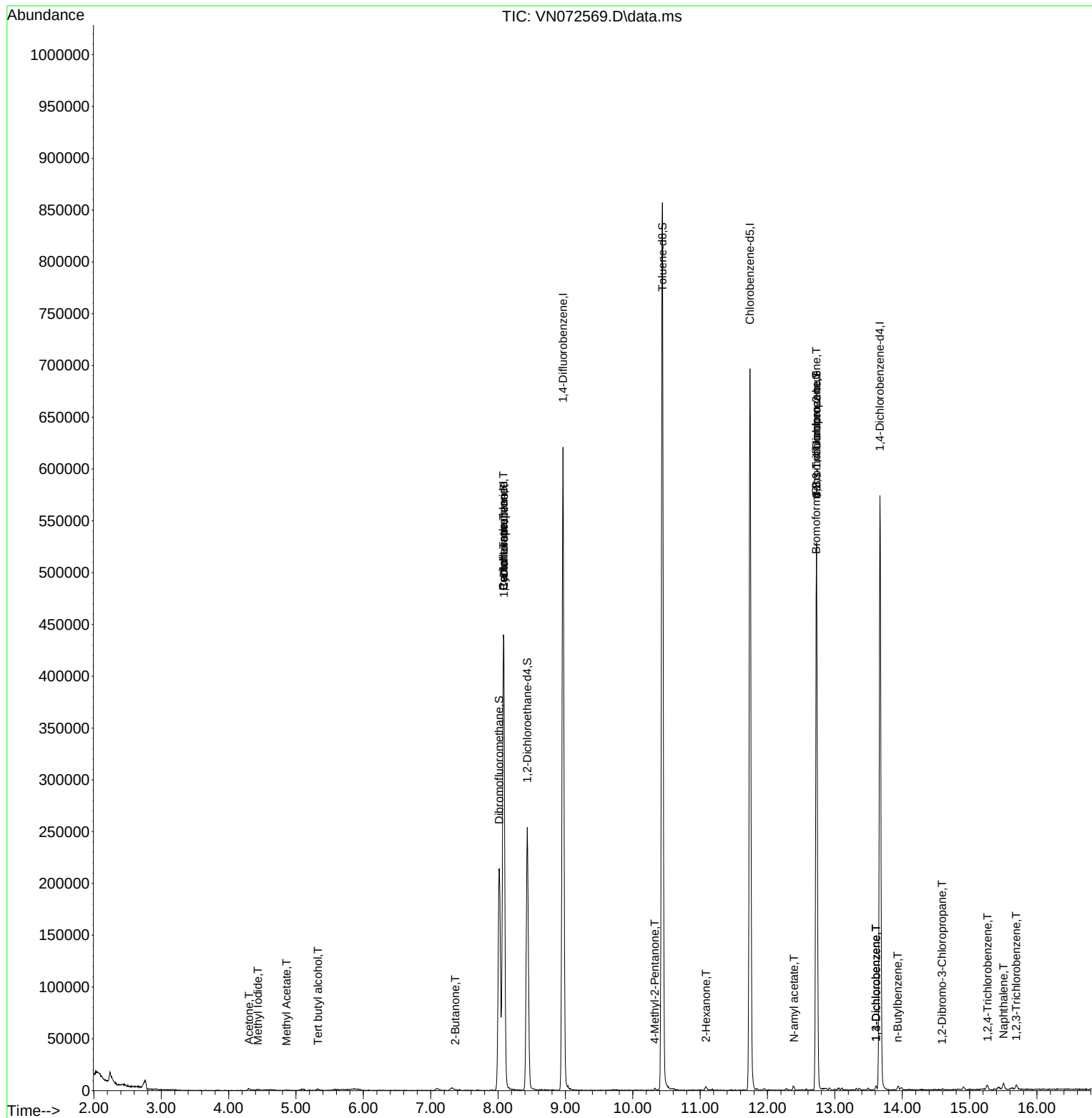
Internal Standards						
1) Pentafluorobenzene	8.081	168	328263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	508249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	402167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	156421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	227156	44.538	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.080%		
35) Dibromofluoromethane	8.016	113	157543	45.940	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.880%		
50) Toluene-d8	10.439	98	586762	45.203	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.400%		
62) 4-Bromofluorobenzene	12.727	95	182131	36.937	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	73.880%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.922	64	61	Below Cal	#	42
10) Methyl Iodide	4.434	142	800	0.206	ug/l #	74
11) Tert butyl alcohol	5.328	59	417	0.894	ug/l #	72
16) Acetone	4.304	43	1872	1.211	ug/l	93
18) Methyl Acetate	4.857	43	441	0.381	ug/l #	48
25) 2-Butanone	7.363	43	1881	0.774	ug/l #	45
31) Cyclohexane	8.081	56	7000	1.235	ug/l #	35
36) 1,1-Dichloropropene	8.087	75	25196	5.397	ug/l #	49
38) Carbon Tetrachloride	8.081	117	35938	6.219	ug/l #	15
51) 4-Methyl-2-Pentanone	10.328	43	1417	0.260	ug/l #	64
59) 2-Hexanone	11.086	43	2908	0.769	ug/l	69
71) Bromoform	12.722	173	1335	0.524	ug/l #	28
74) N-amyl acetate	12.392	43	2318	0.538	ug/l #	91
76) 1,2,3-Trichloropropane	12.727	75	97864	20.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	97864	86.341	ug/l #	10
87) 1,3-Dichlorobenzene	13.610	146	1564	0.288	ug/l	81
88) 1,4-Dichlorobenzene	13.610	146	1564	0.296	ug/l	83
89) n-Butylbenzene	13.933	91	3107	0.403	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.592	75	337	0.407	ug/l	85
93) 1,2,4-Trichlorobenzene	15.268	180	2237	0.941	ug/l #	91
95) Naphthalene	15.504	128	7270	1.055	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.692	180	2296	0.936	ug/l	98

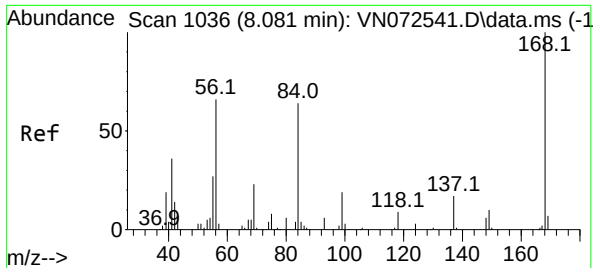
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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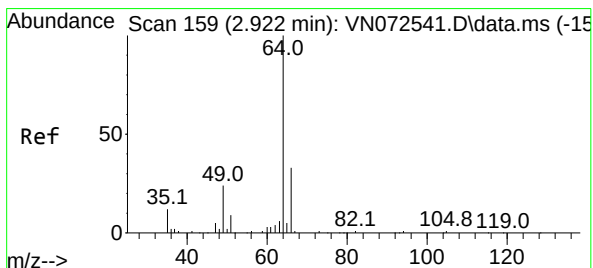
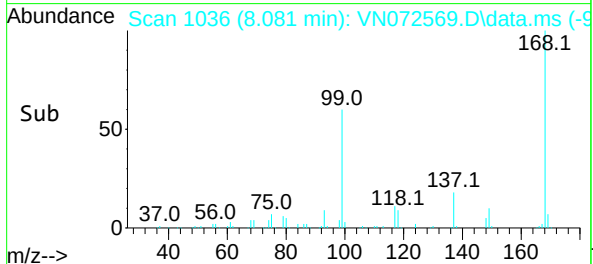
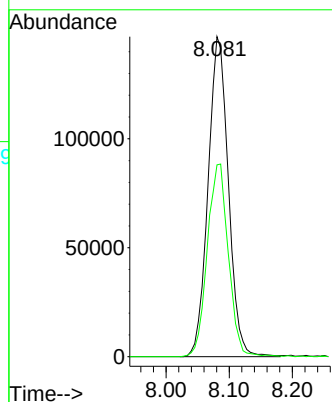
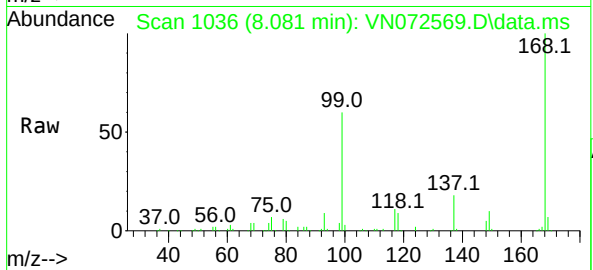




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

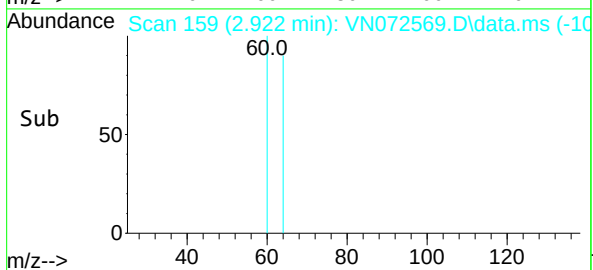
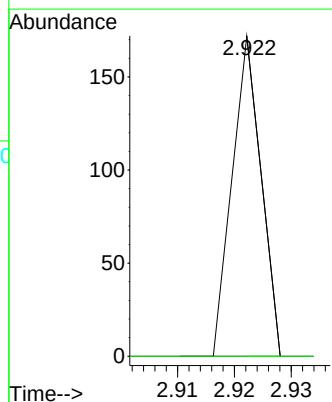
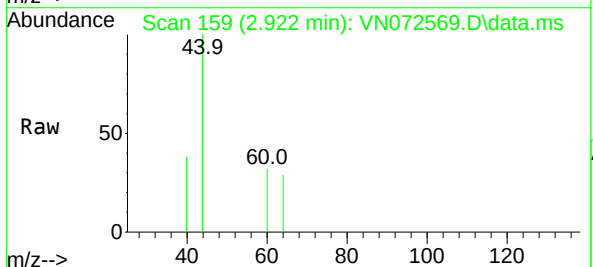
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

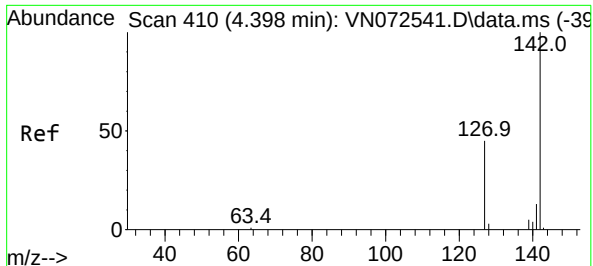
Tgt Ion:168 Resp: 328263
Ion Ratio Lower Upper
168 100
99 60.0 42.3 63.5



#6
Chloroethane
Concen: Below Cal
RT: 2.922 min Scan# 159
Delta R.T. 0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

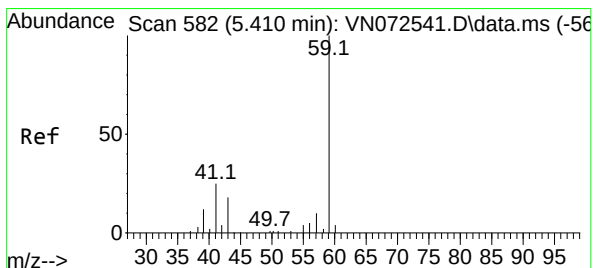
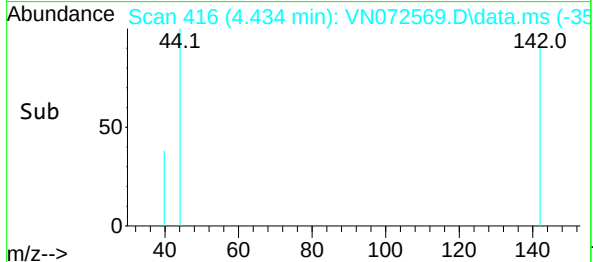
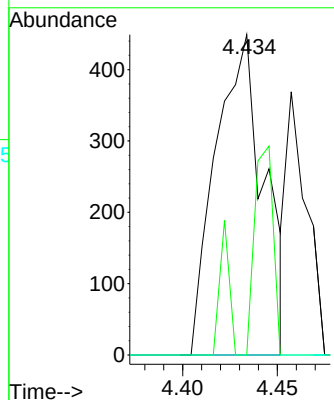
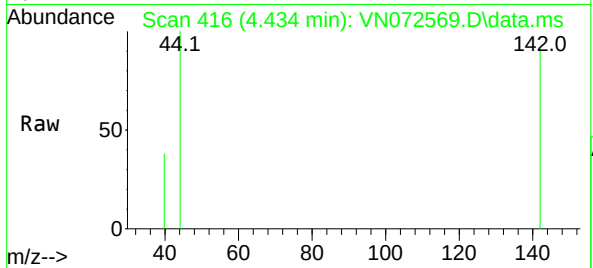




#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 4.434 min Scan# 410
Delta R.T. 0.036 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

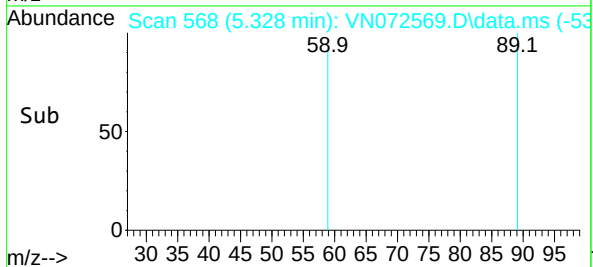
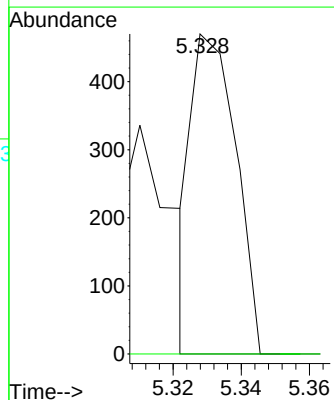
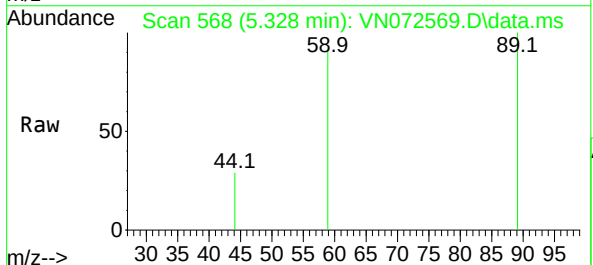
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

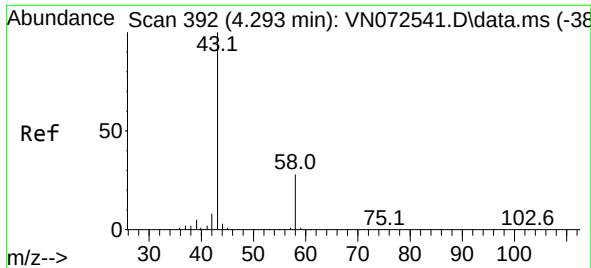
Tgt Ion:142 Resp: 800
Ion Ratio Lower Upper
142 100
127 24.9 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.894 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.082 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

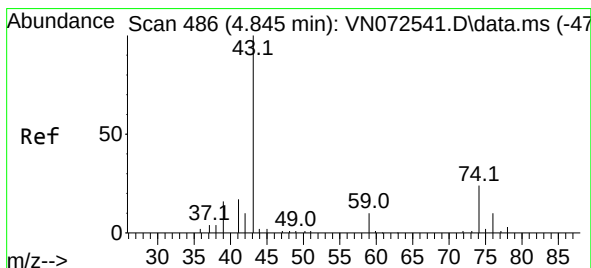
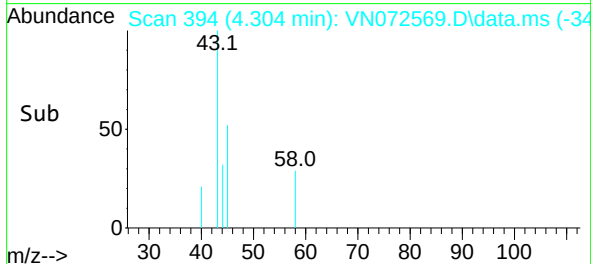
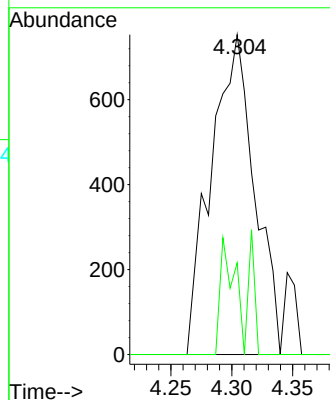
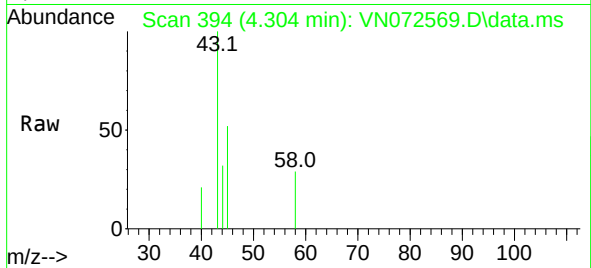




#16
Acetone
Concen: 1.211 ug/l
RT: 4.304 min Scan# 392
Delta R.T. 0.011 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

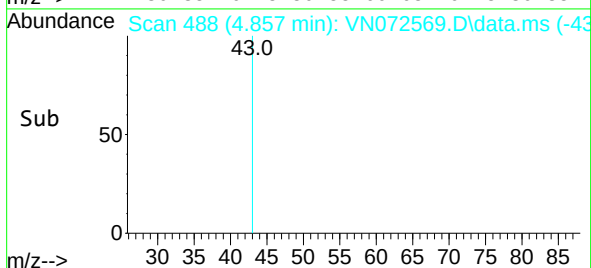
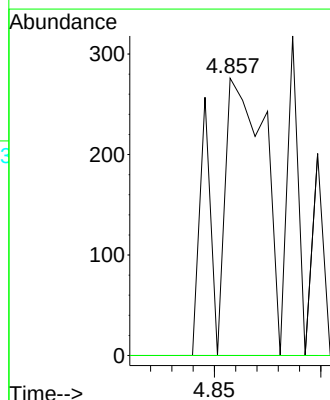
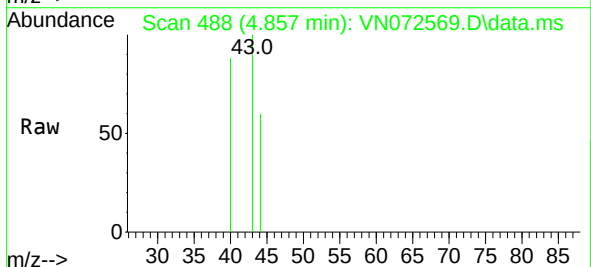
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

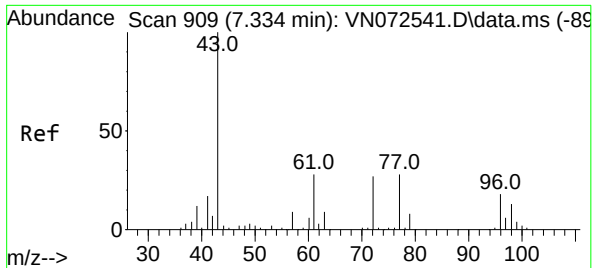
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
58 28.7 26.0 39.0



#18
Methyl Acetate
Concen: 0.381 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

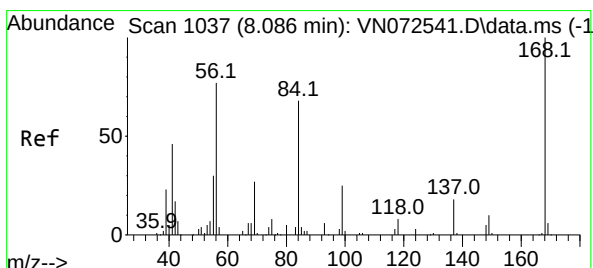
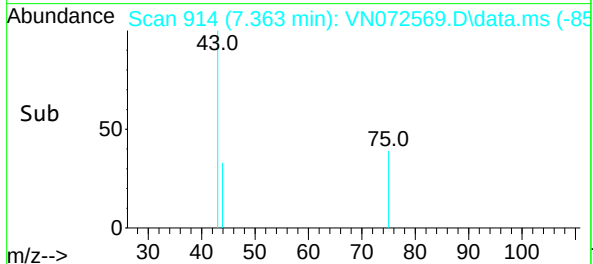
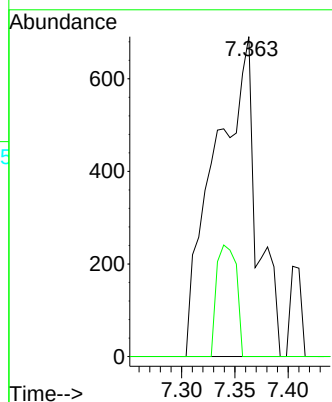
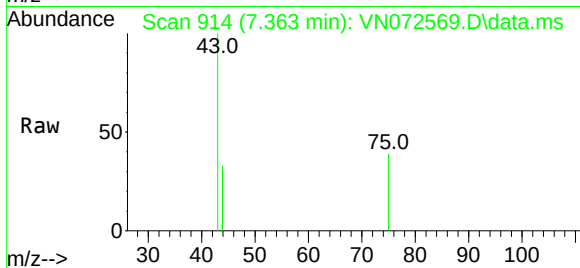




#25
2-Butanone
Concen: 0.774 ug/l
RT: 7.363 min Scan# 914
Delta R.T. 0.029 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

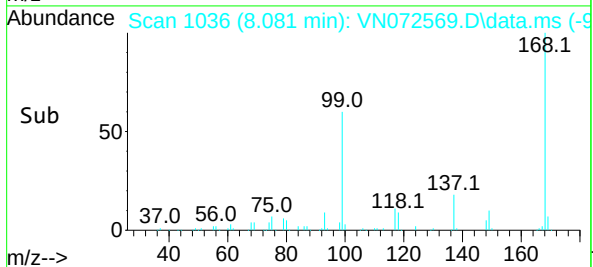
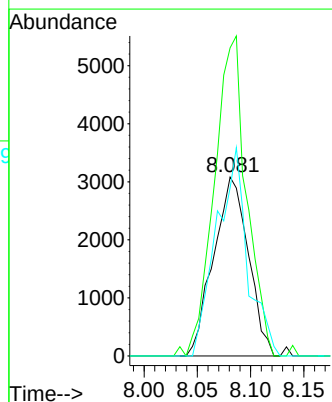
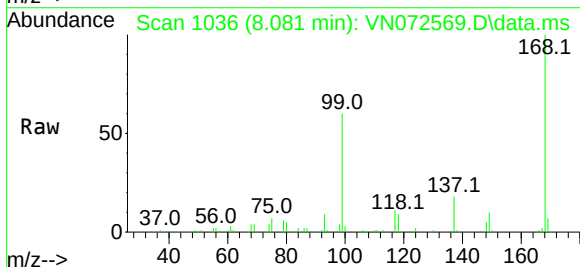
Instrument :
MSVOA_N
ClientSampleId :
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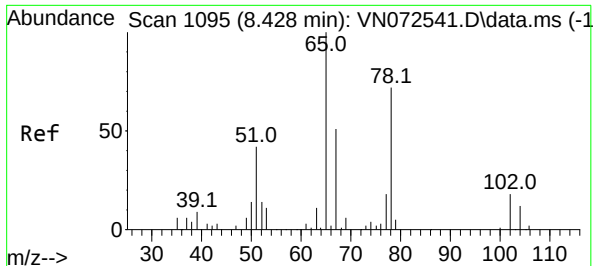
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 56 Resp: 7000
Ion Ratio Lower Upper
56 100
69 172.2 27.8 41.8#
84 94.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.538 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VN072569.D

Acq: 20 May 2022 11:38

Instrument :

MSVOA_N

ClientSampleId :

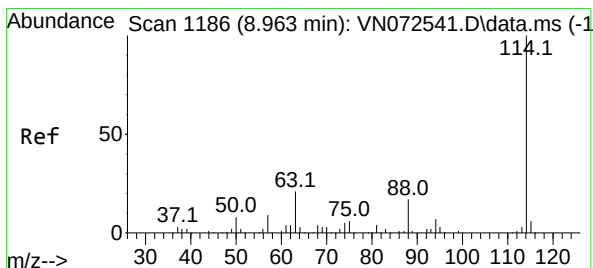
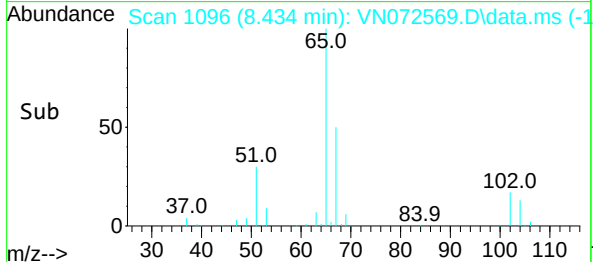
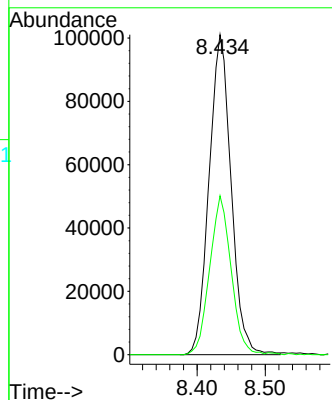
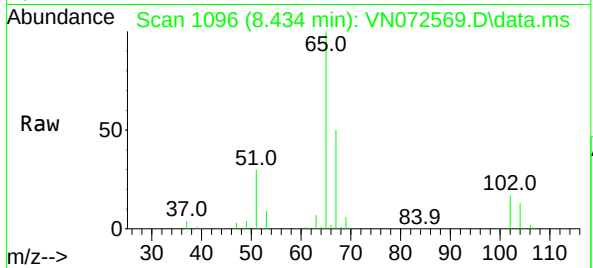
VN0520MBL01

Tgt Ion: 65 Resp: 227156

Ion Ratio Lower Upper

65 100

67 48.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072569.D

Acq: 20 May 2022 11:38

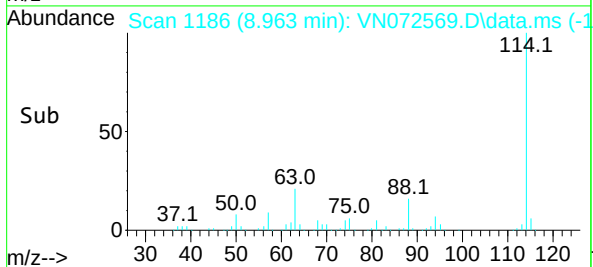
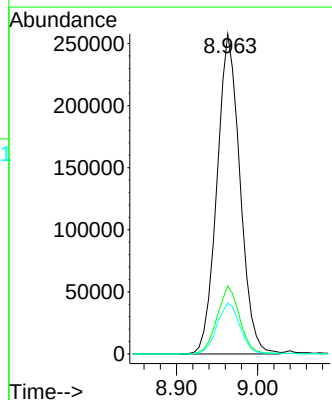
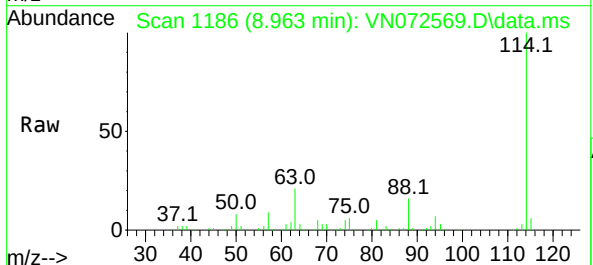
Tgt Ion: 114 Resp: 508249

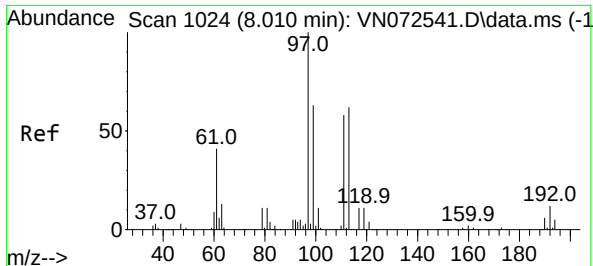
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 15.9 0.0 32.6

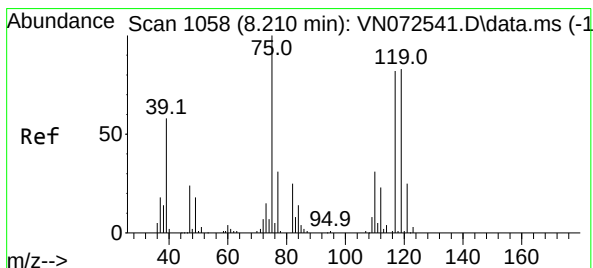
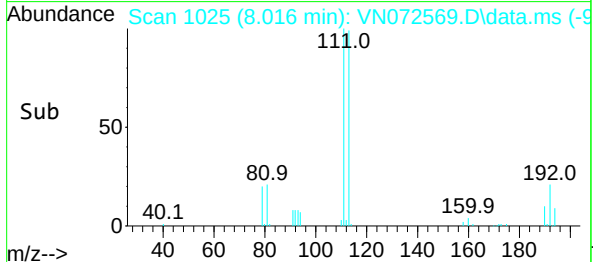
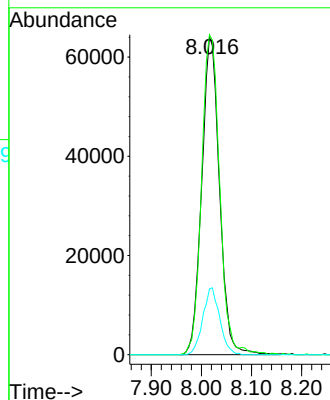
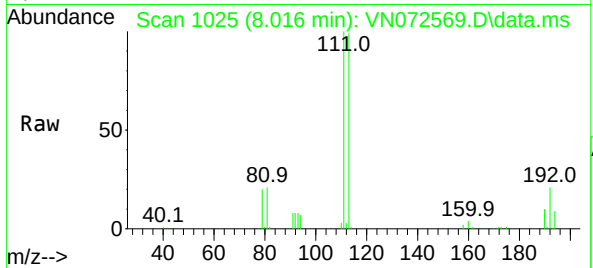




#35
Dibromofluoromethane
Concen: 45.940 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

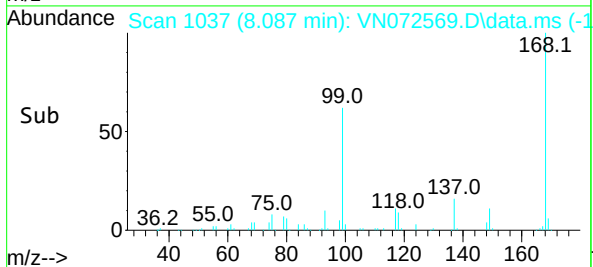
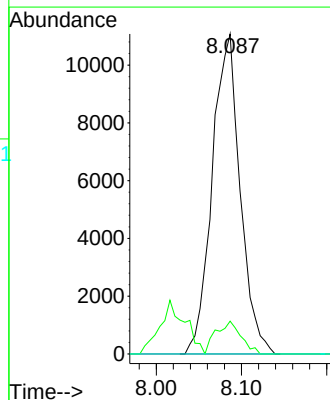
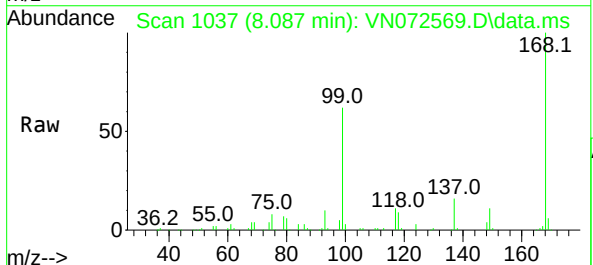
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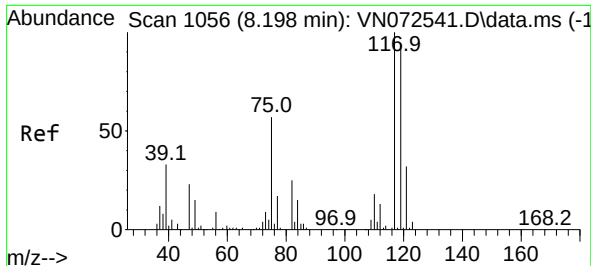
Tgt Ion:113 Resp: 157543
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 20.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.397 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.123 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 75 Resp: 25196
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#

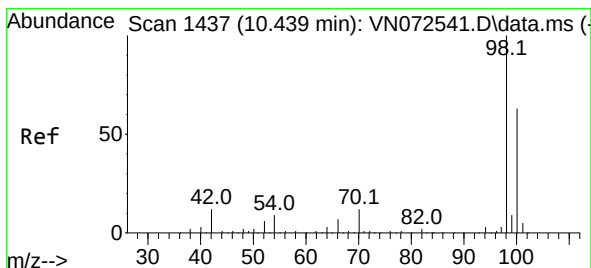
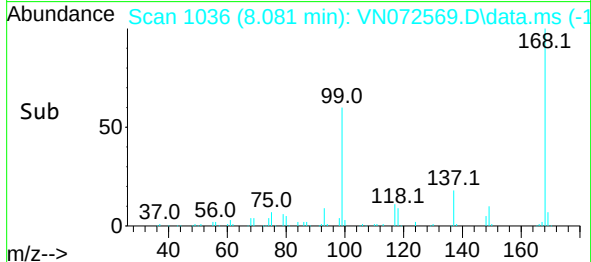
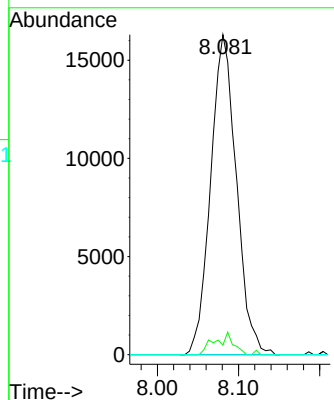
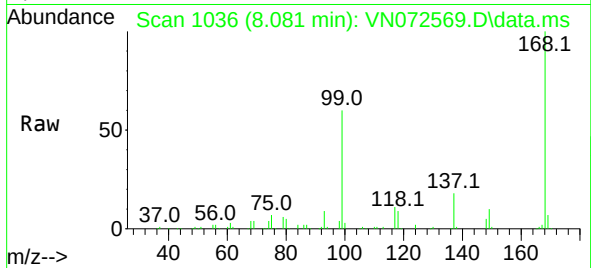




#38
Carbon Tetrachloride
Concen: 6.219 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.117 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

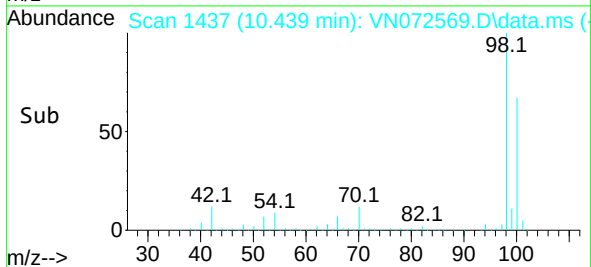
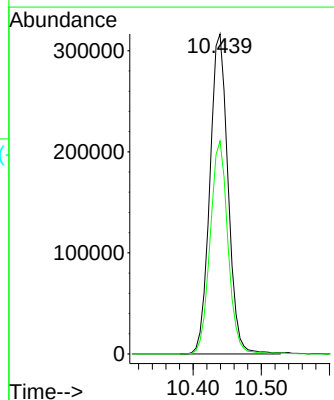
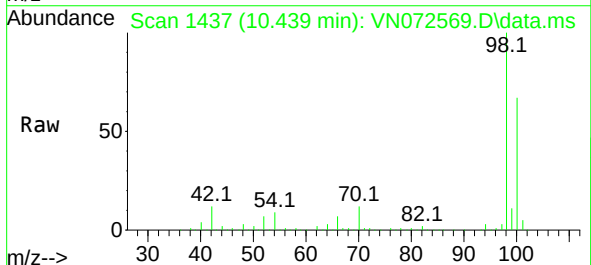
Instrument :
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ClientSampleId :
VN0520MBL01

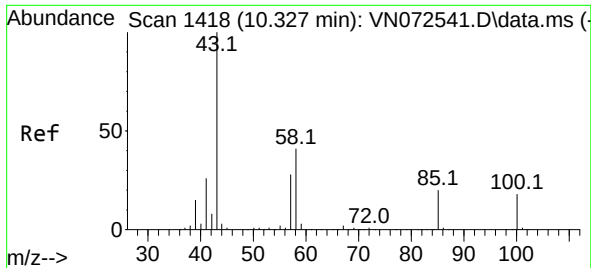
Tgt Ion:117 Resp: 35938
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.203 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 98 Resp: 586762
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

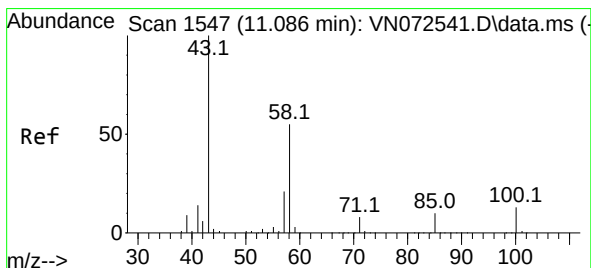
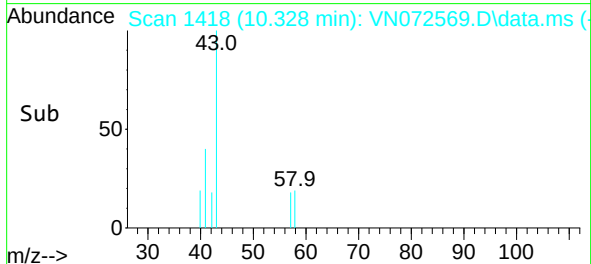
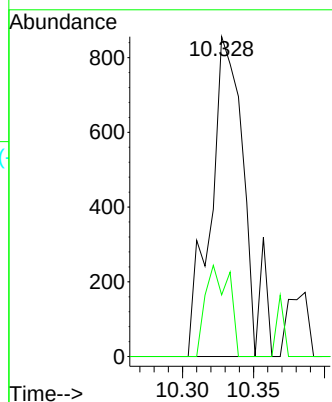
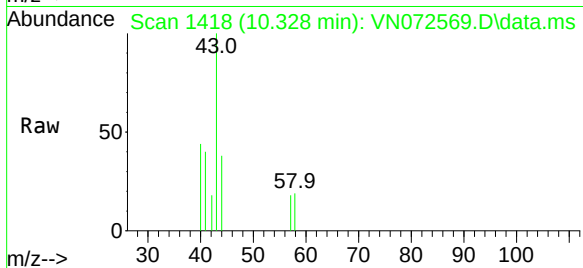




#51
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

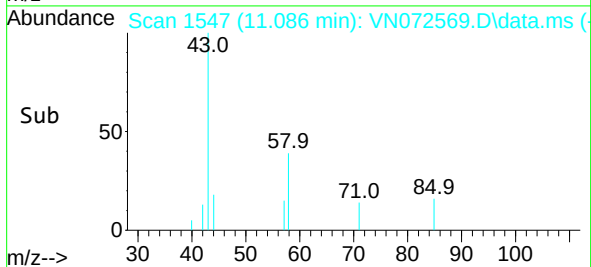
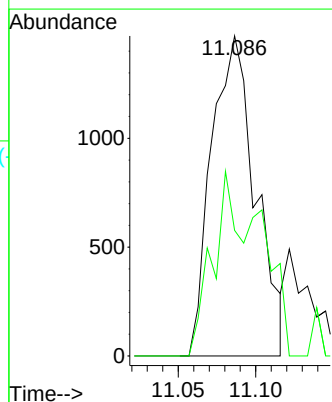
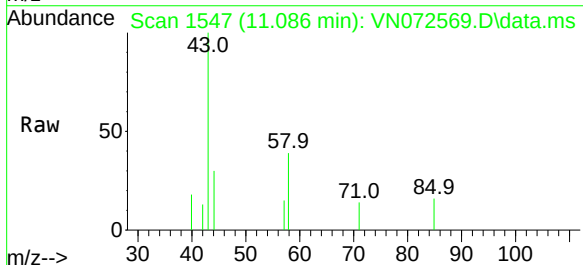
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

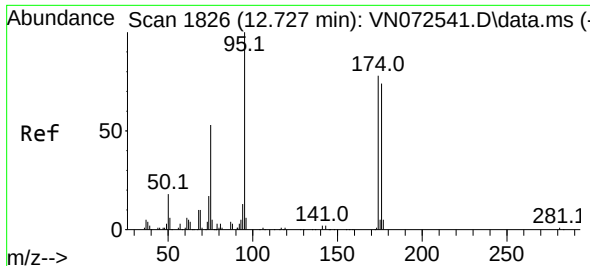
Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 19.9 34.1 51.1#



#59
2-Hexanone
Concen: 0.769 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 43 Resp: 2908
Ion Ratio Lower Upper
43 100
58 36.0 29.7 89.1

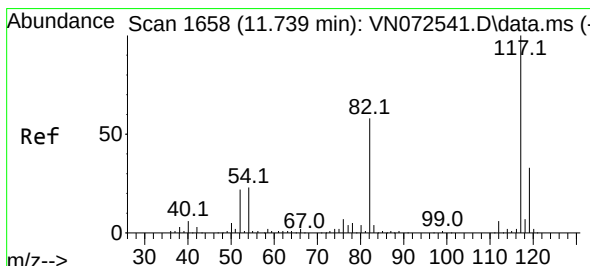
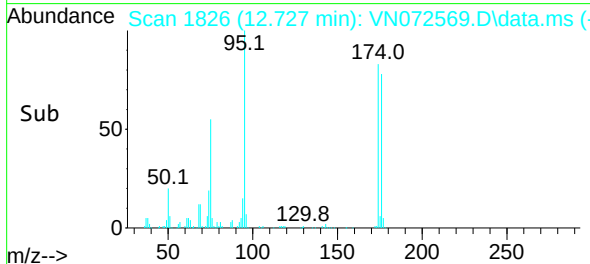
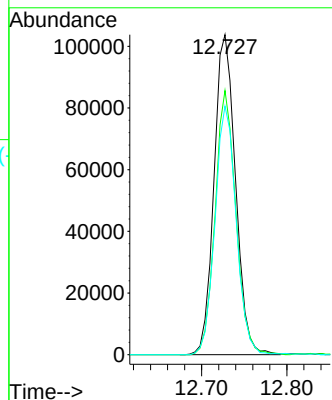
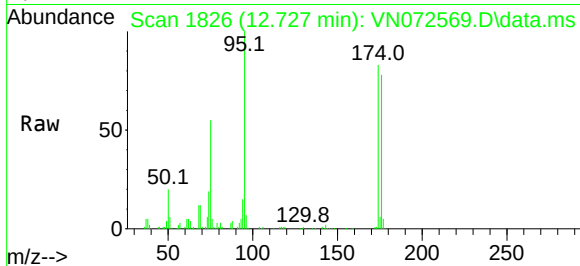




#62
4-Bromofluorobenzene
Concen: 36.937 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

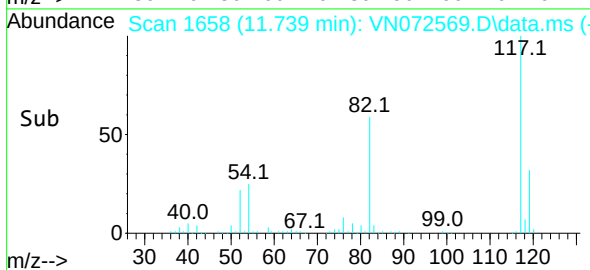
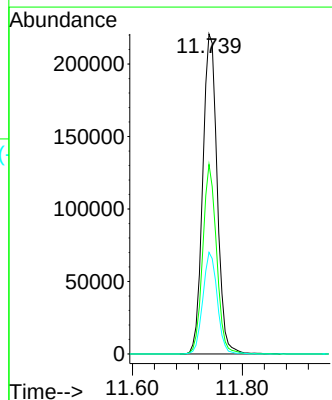
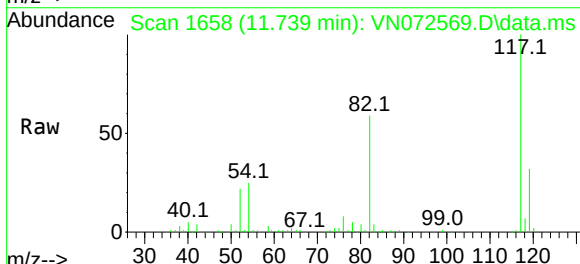
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

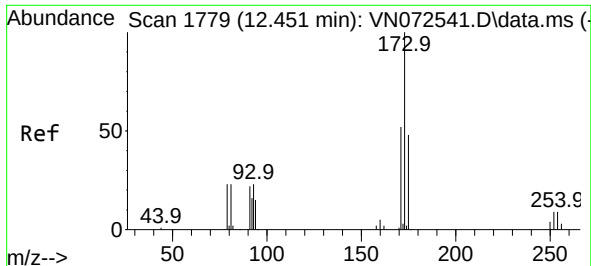
Tgt Ion: 95 Resp: 182131
Ion Ratio Lower Upper
95 100
174 79.9 0.0 167.6
176 76.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 117 Resp: 402167
Ion Ratio Lower Upper
117 100
82 59.3 44.2 66.2
119 31.7 25.4 38.0

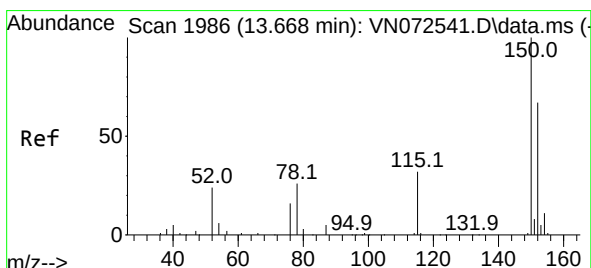
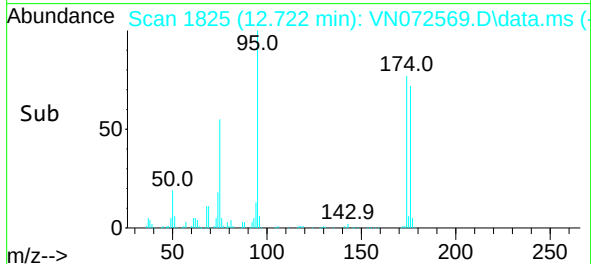
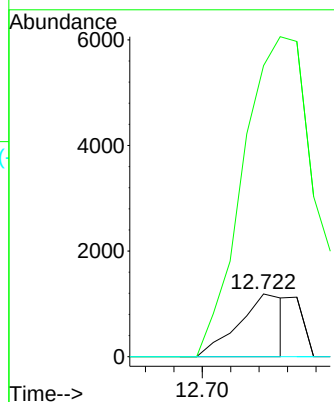
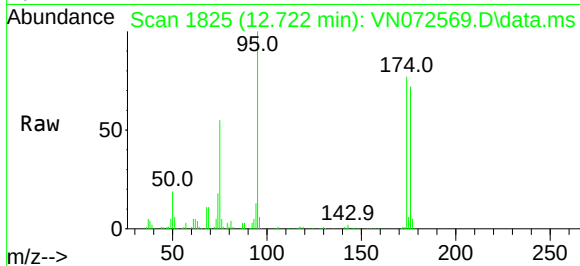




#71
Bromoform
Concen: 0.524 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

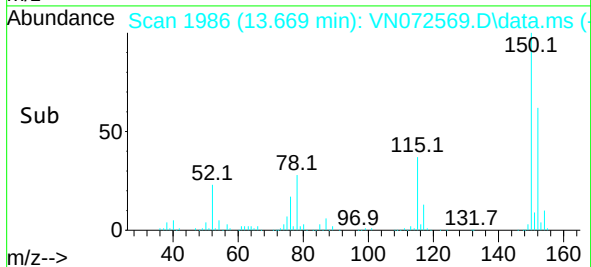
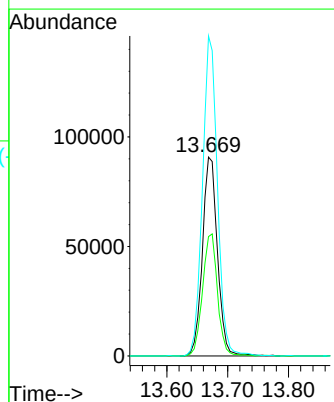
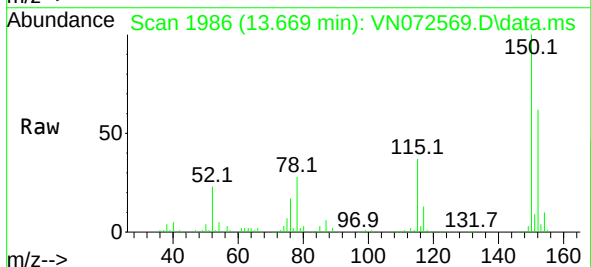
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

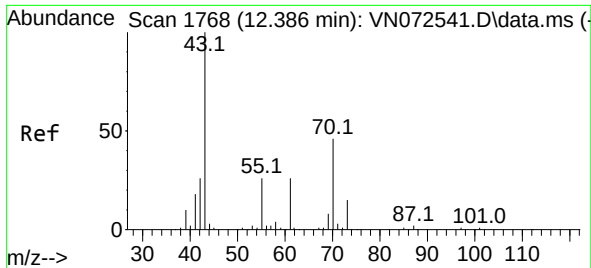
Tgt Ion:173 Resp: 1335
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion:152 Resp: 156421
Ion Ratio Lower Upper
152 100
115 60.9 28.9 86.7
150 159.3 0.0 356.2

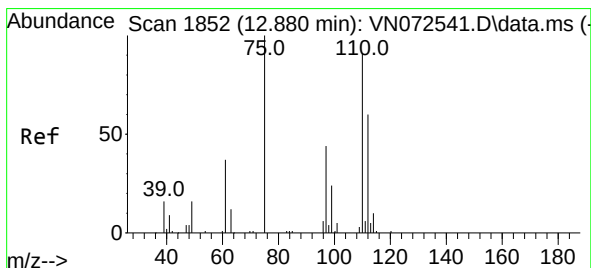
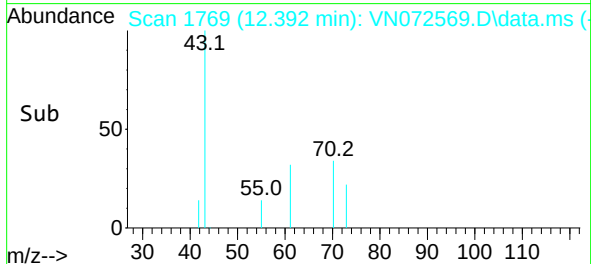
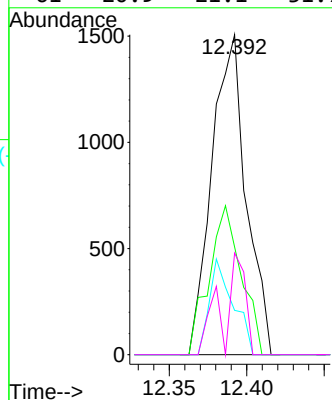
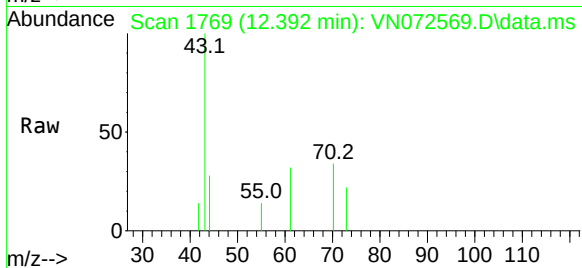




#74
N-amy1 acetate
Concen: 0.538 ug/l
RT: 12.392 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

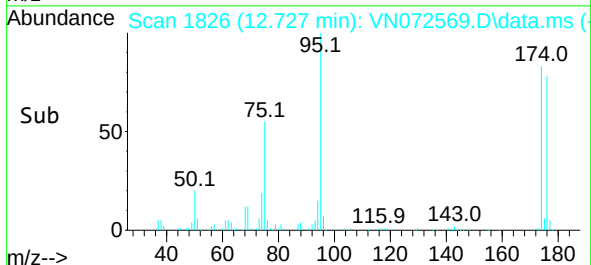
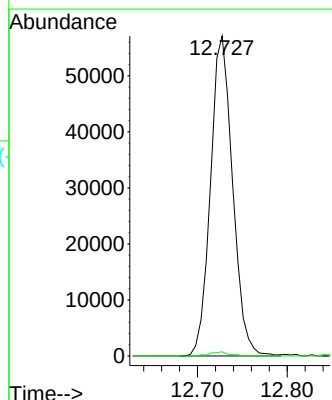
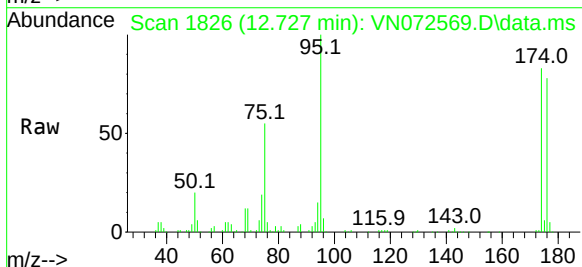
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

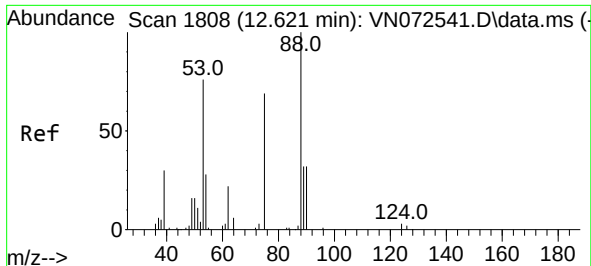
Tgt Ion: 43	Resp: 2318
Ion Ratio	Lower Upper
43 100	
70 43.9	39.0 58.4
55 20.8	21.1 31.7#
61 20.9	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.711 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.153 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 75	Resp: 97864
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#

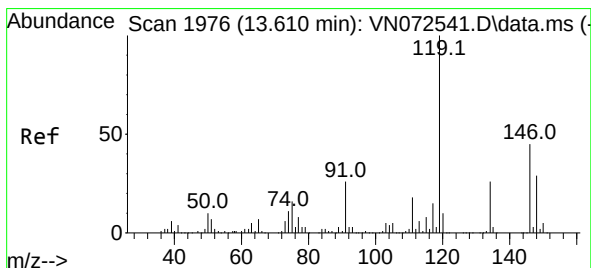
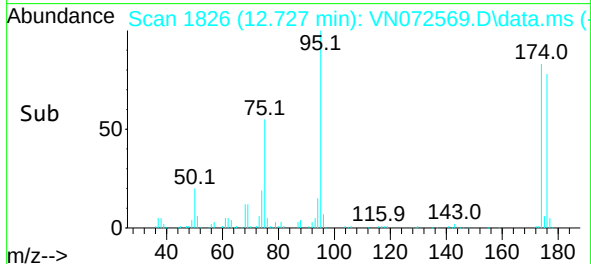
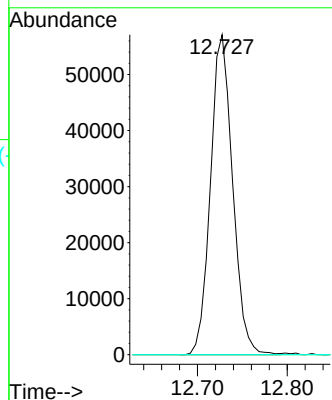
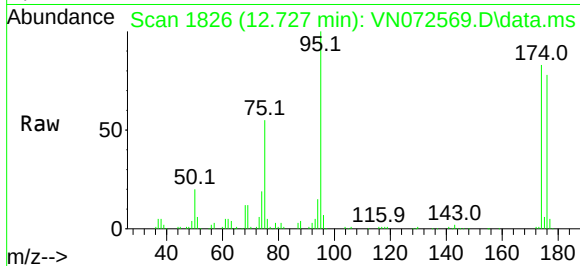




#81
trans-1,4-Dichloro-2-butene
Concen: 86.341 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

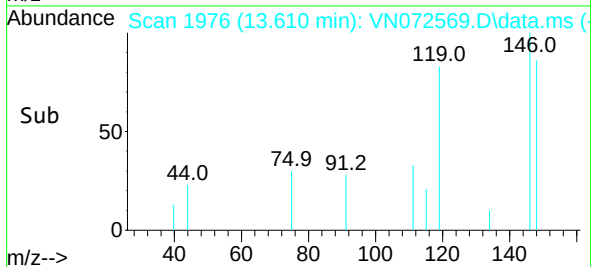
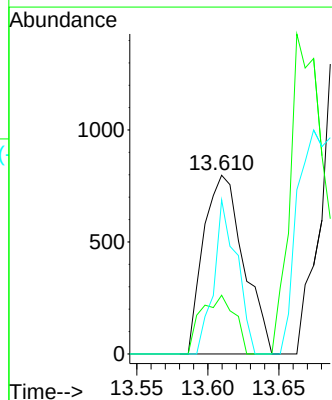
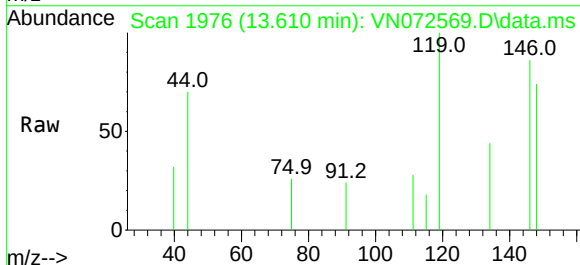
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

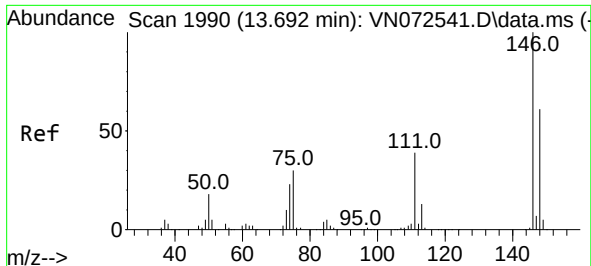
Tgt Ion: 75 Resp: 97864
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.288 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion:146 Resp: 1564
Ion Ratio Lower Upper
146 100
111 27.6 20.0 60.0
148 49.4 32.0 96.0

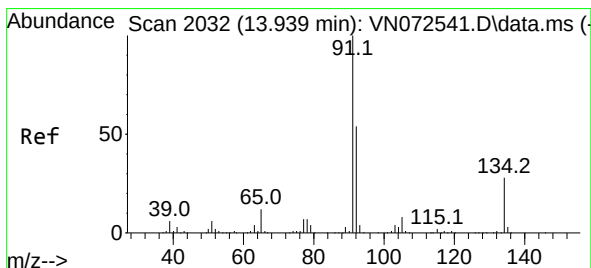
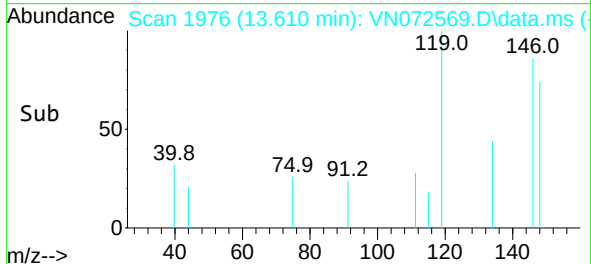
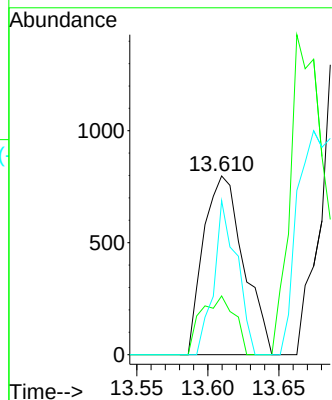
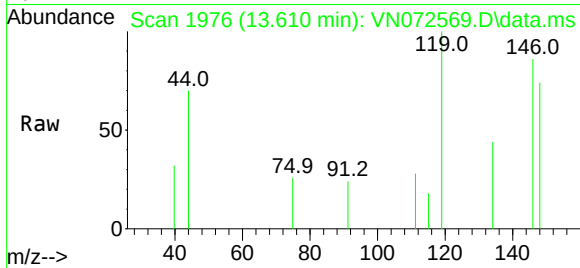




#88
1,4-Dichlorobenzene
Concen: 0.296 ug/l
RT: 13.610 min Scan# 1990
Delta R.T. -0.082 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

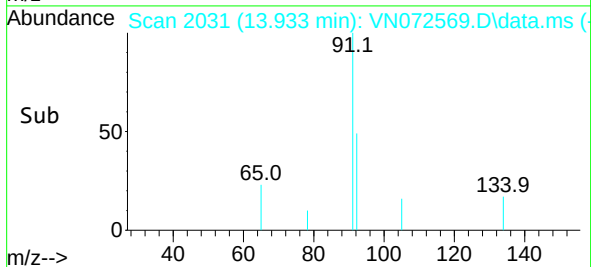
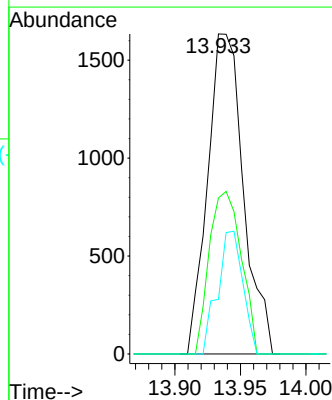
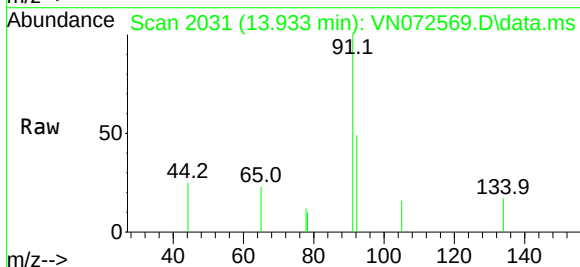
Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

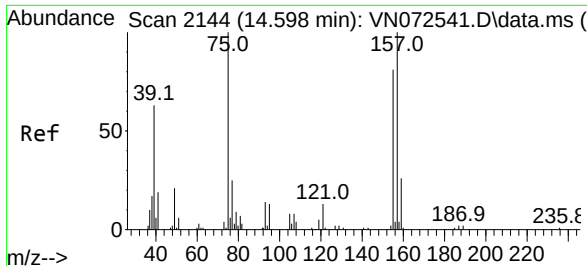
Tgt Ion:146 Resp: 1564
Ion Ratio Lower Upper
146 100
111 27.6 19.1 57.1
148 49.4 31.4 94.3



#89
n-Butylbenzene
Concen: 0.403 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion: 91 Resp: 3107
Ion Ratio Lower Upper
91 100
92 45.3 26.9 80.7
134 26.9 13.6 40.8

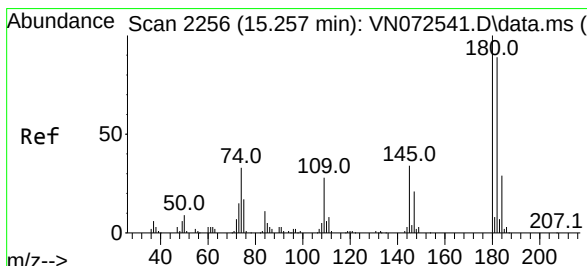
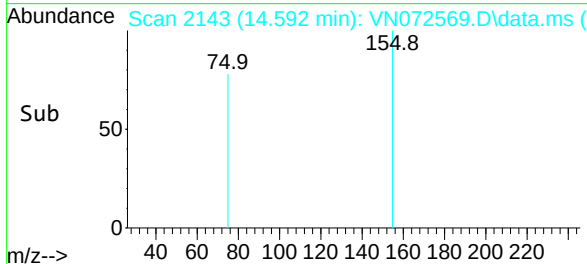
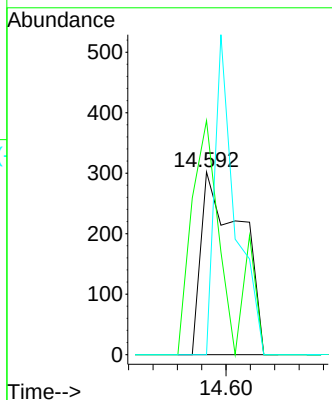
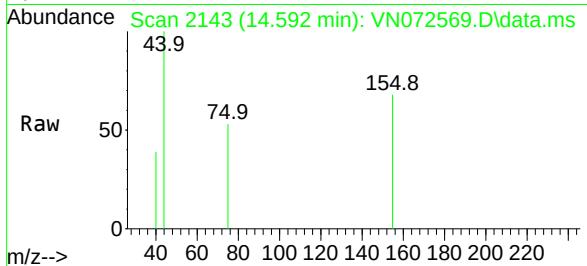




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.407 ug/l
 RT: 14.592 min Scan# 2144
 Delta R.T. -0.006 min
 Lab File: VN072569.D
 Acq: 20 May 2022 11:38

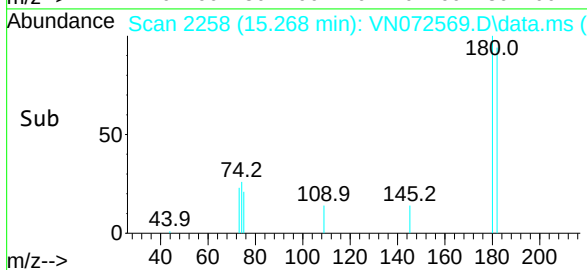
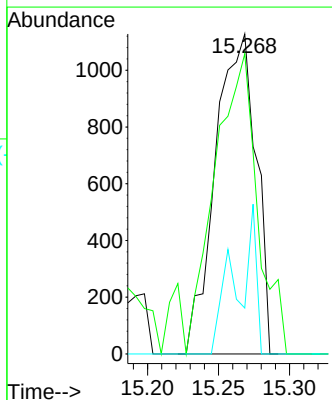
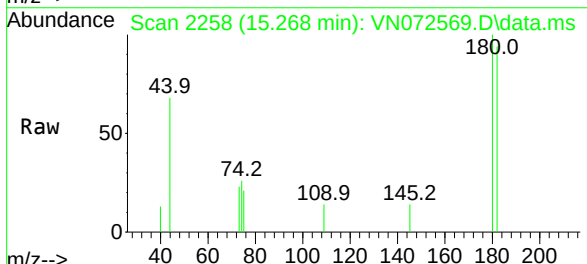
Instrument :
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 ClientSampleId :
 VN0520MBL01

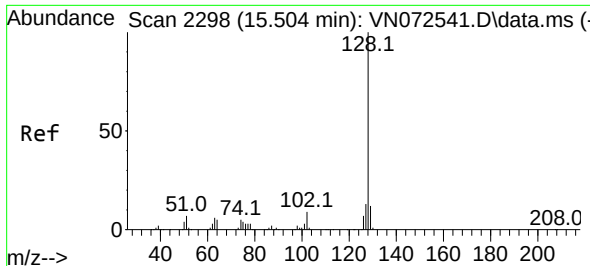
Tgt Ion: 75 Resp: 337
 Ion Ratio Lower Upper
 75 100
 155 85.5 44.9 134.5
 157 92.0 59.0 176.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.941 ug/l
 RT: 15.268 min Scan# 2258
 Delta R.T. 0.011 min
 Lab File: VN072569.D
 Acq: 20 May 2022 11:38

Tgt Ion: 180 Resp: 2237
 Ion Ratio Lower Upper
 180 100
 182 98.7 47.5 142.5
 145 14.3 14.5 43.5#

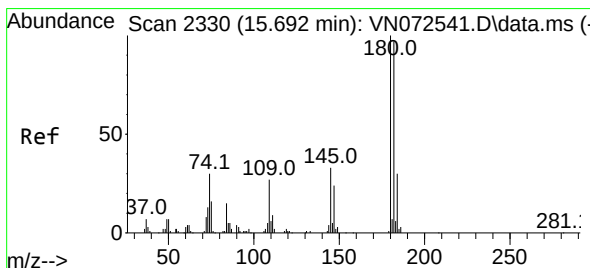
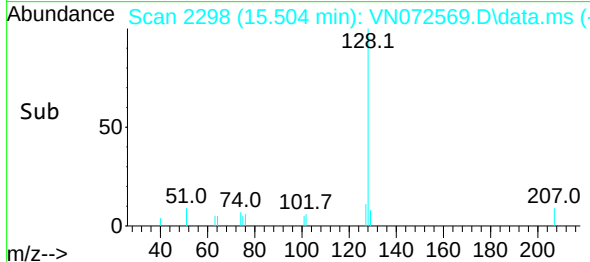
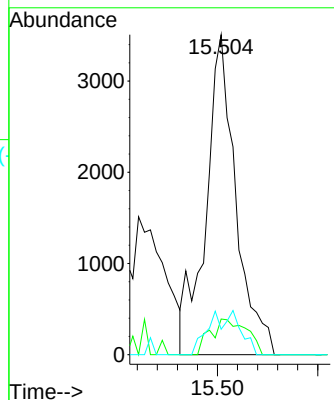
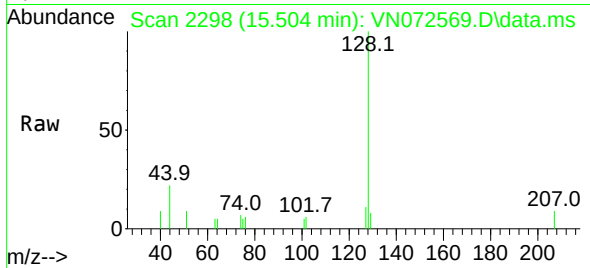




#95
Naphthalene
Concen: 1.055 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0520MBL01

Tgt Ion:128 Resp: 7270
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 7.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.936 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072569.D
Acq: 20 May 2022 11:38

Tgt Ion:180 Resp: 2296
Ion Ratio Lower Upper
180 100
182 93.8 47.8 143.3
145 32.9 15.5 46.5

