

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077336.D
 Acq On : 13 Apr 2023 18:17
 Operator : JC\MD
 Sample : PB152089TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152089TB

Quant Time: Apr 14 07:25:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

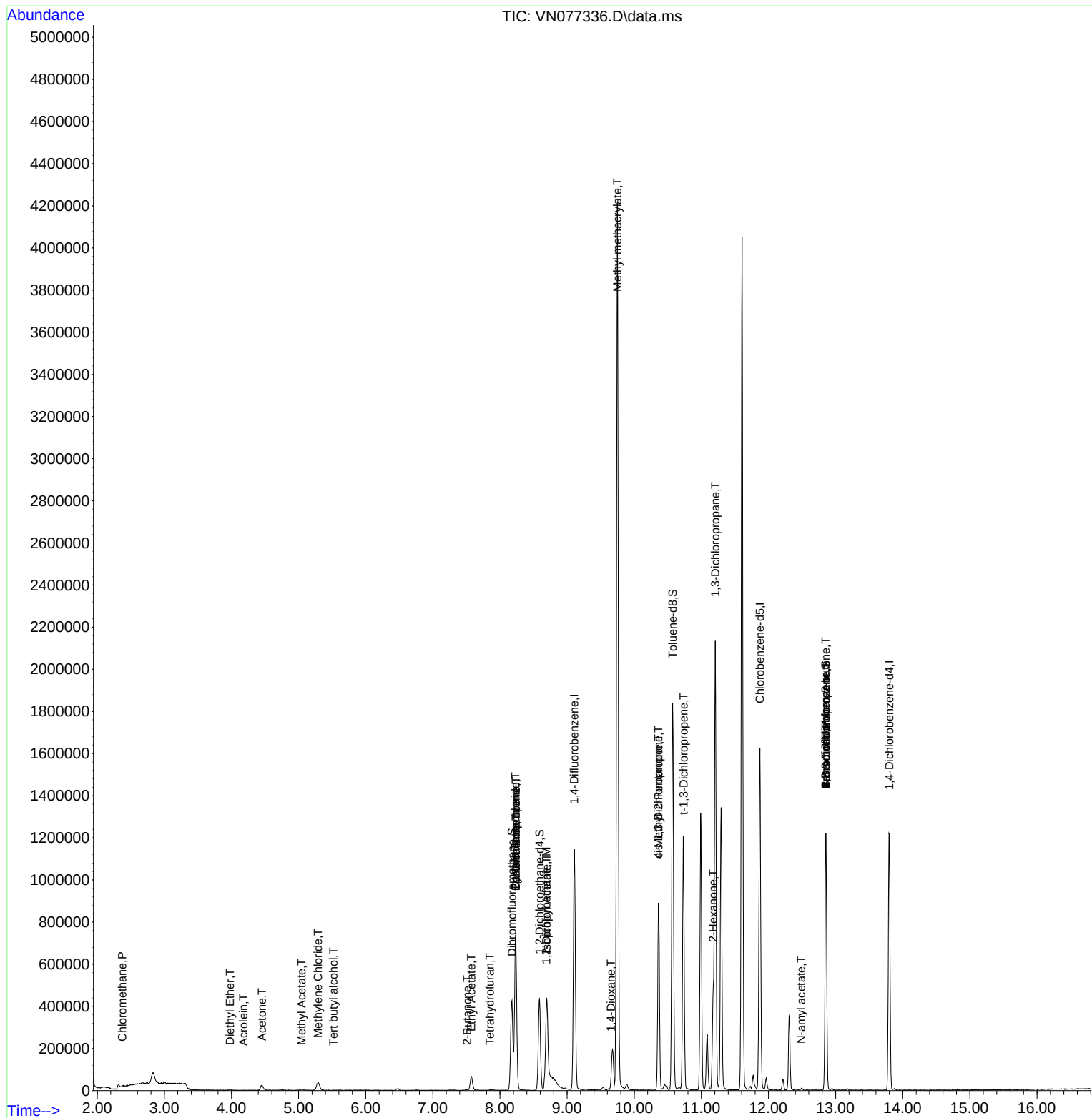
Internal Standards						
1) Pentafluorobenzene	8.236	168	535302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1033921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	974331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	335385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	336430	45.984	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.960%		
35) Dibromofluoromethane	8.178	113	306630	46.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.660%		
50) Toluene-d8	10.572	98	1312551	49.260	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.520%		
62) 4-Bromofluorobenzene	12.854	95	425213	47.982	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.960%		
Target Compounds					Qvalue	
3) Chloromethane	2.372	50	1753	0.207	ug/l #	86
8) Diethyl Ether	3.978	74	2193	0.526	ug/l	62
11) Tert butyl alcohol	5.519	59	418	0.280	ug/l #	72
13) Acrolein	4.178	56	473	0.335	ug/l	85
16) Acetone	4.454	43	45415	16.836	ug/l	94
18) Methyl Acetate	5.043	43	4349	0.423	ug/l #	64
20) Methylene Chloride	5.290	84	33462	4.392	ug/l	95
25) 2-Butanone	7.513	43	5359	1.224	ug/l	99
29) Tetrahydrofuran	7.848	42	1577	0.560	ug/l #	46
31) Cyclohexane	8.236	56	13205	1.162	ug/l #	44
36) 1,1-Dichloropropene	8.236	75	45230	4.620	ug/l #	50
37) Ethyl Acetate	7.572	43	97670	11.151	ug/l	98
38) Carbon Tetrachloride	8.231	117	56344	5.618	ug/l #	14
42) 1,2-Dichloroethane	8.689	62	3718	0.396	ug/l #	73
43) Isopropyl Acetate	8.695	43	568505	35.176	ug/l #	82
48) Methyl methacrylate	9.748	41	341843	49.583	ug/l #	33
49) 1,4-Dioxane	9.654	88	69	0.413	ug/l #	28
51) 4-Methyl-2-Pentanone	10.360	43	314409	33.656	ug/l #	44
53) t-1,3-Dichloropropene	10.736	75	3783	0.319	ug/l #	63
54) cis-1,3-Dichloropropene	10.360	75	186388	14.756	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	24597	1.898	ug/l #	43
59) 2-Hexanone	11.177	43	367703	52.834	ug/l #	20
71) Bromoform	12.854	173	2265	0.396	ug/l #	29
74) N-amyl acetate	12.489	43	4023	0.326	ug/l #	39
76) 1,2,3-Trichloropropane	12.854	75	228783	28.646	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	228783	64.464	ug/l #	13

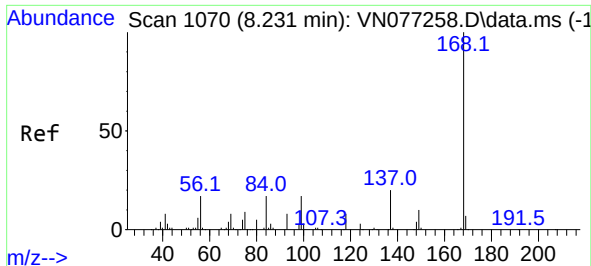
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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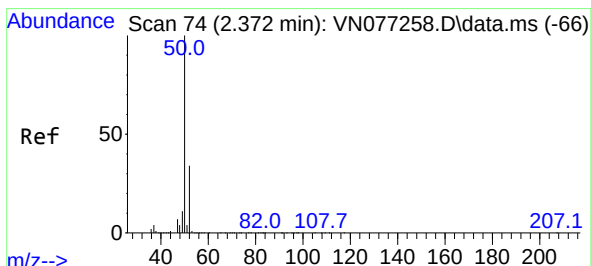
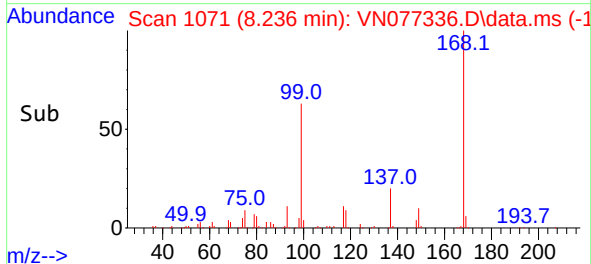
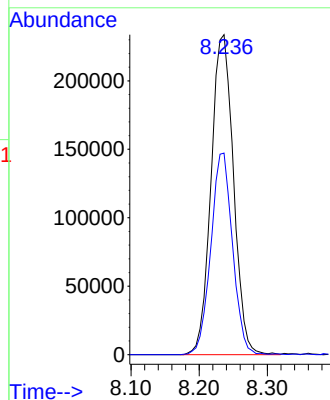
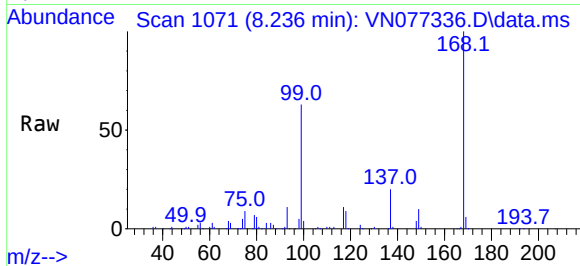




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

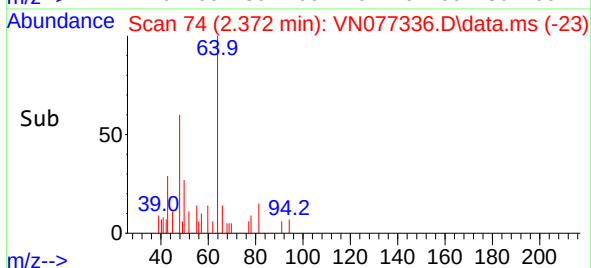
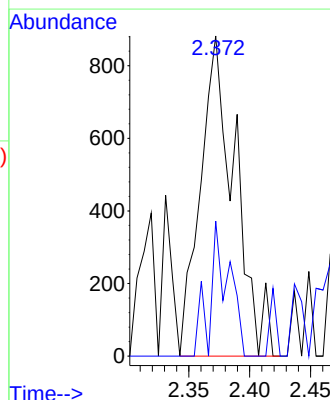
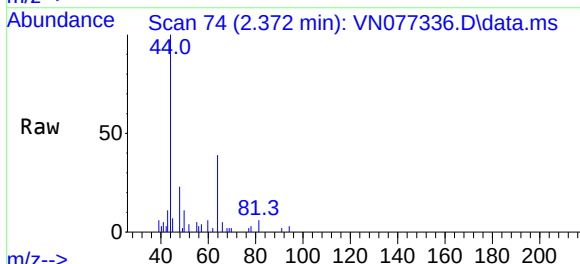
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

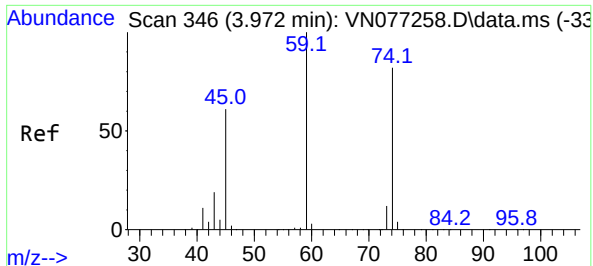
Tgt Ion:168 Resp: 535302
Ion Ratio Lower Upper
168 100
99 63.0 50.6 75.8



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 50 Resp: 1753
Ion Ratio Lower Upper
50 100
52 42.2 27.3 40.9#

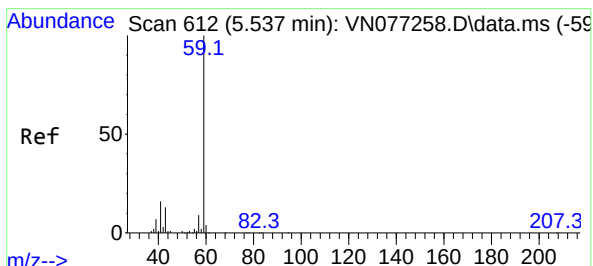
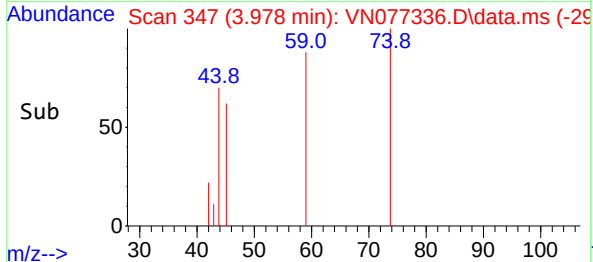
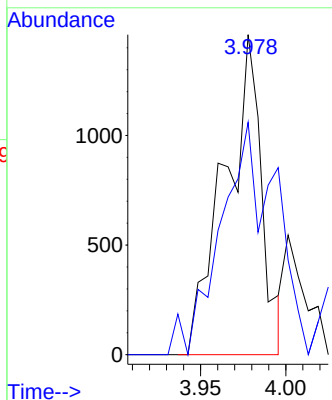
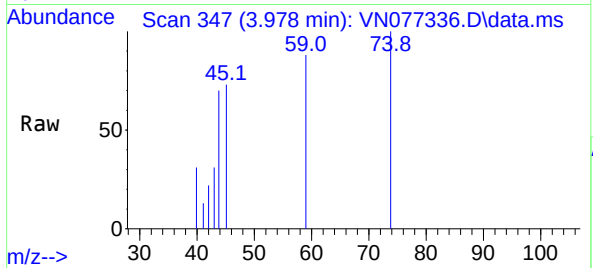




#8
Diethyl Ether
Concen: 0.526 ug/l
RT: 3.978 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

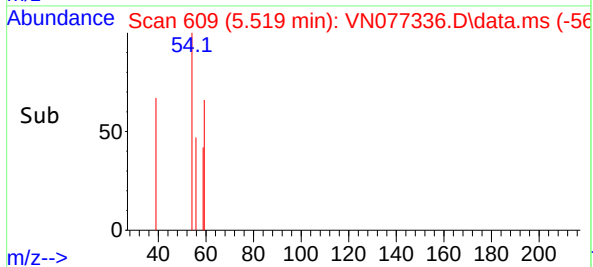
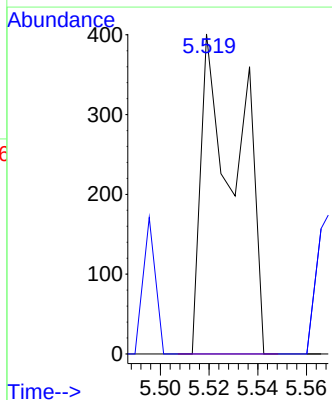
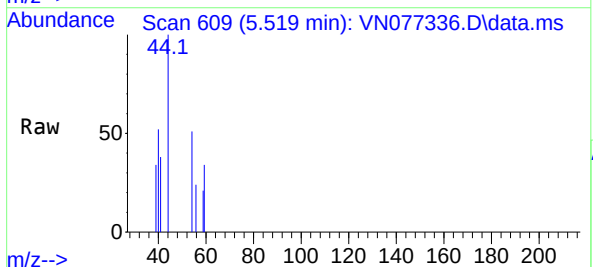
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

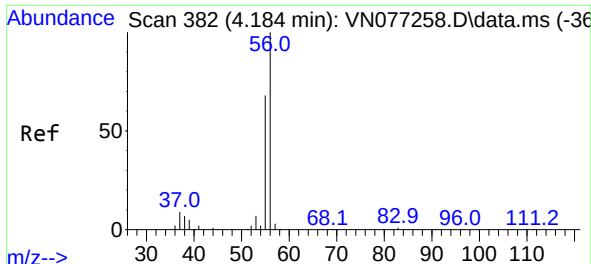
Tgt Ion: 74 Resp: 2193
Ion Ratio Lower Upper
74 100
45 107.9 37.8 113.4



#11
Tert butyl alcohol
Concen: 0.280 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

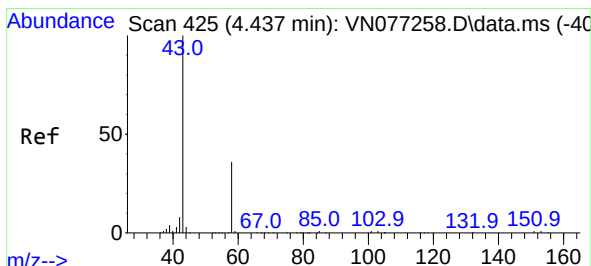
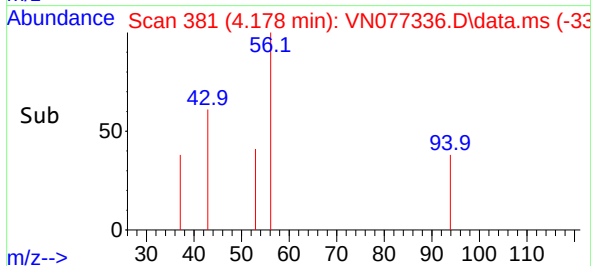
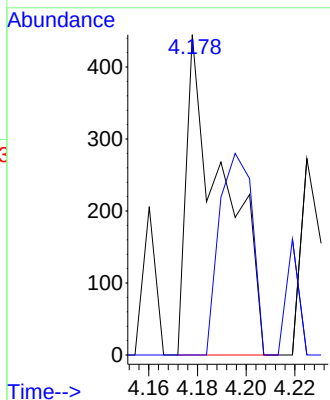
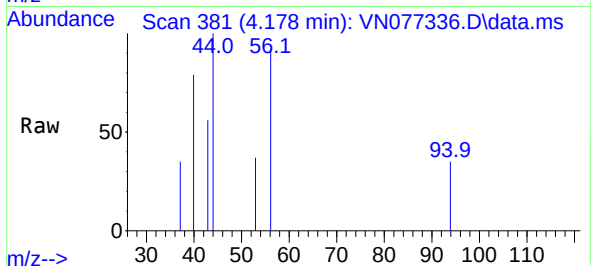




#13
Acrolein
Concen: 0.335 ug/l
RT: 4.178 min Scan# 381
Delta R.T. -0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

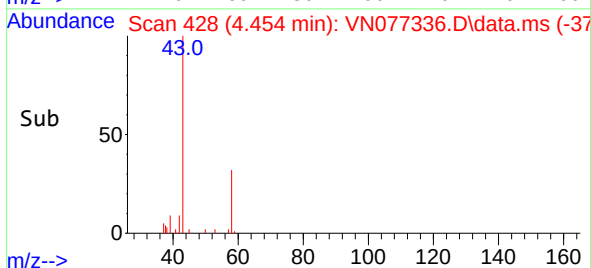
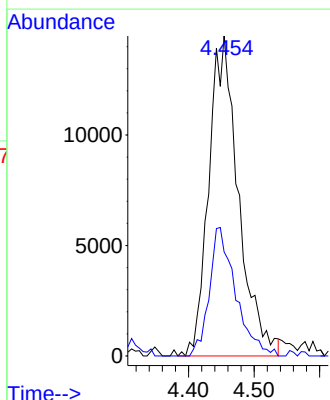
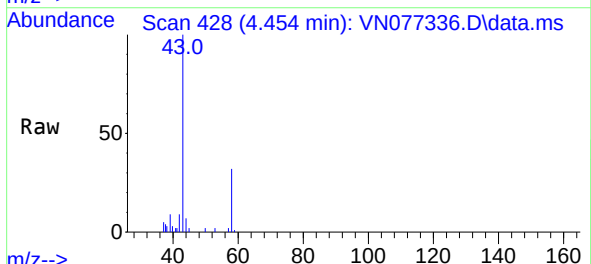
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MSVOA_N
ClientSampleId :
PB152089TB

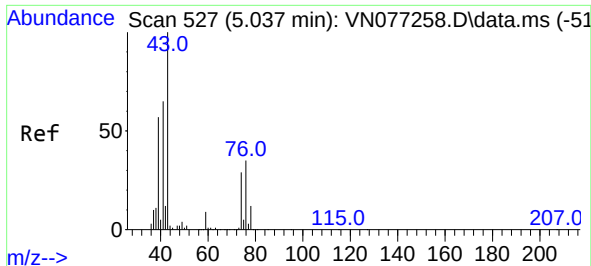
Tgt Ion: 56 Resp: 473
Ion Ratio Lower Upper
56 100
55 55.6 54.2 81.2



#16
Acetone
Concen: 16.836 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 43 Resp: 45415
Ion Ratio Lower Upper
43 100
58 32.5 29.0 43.6

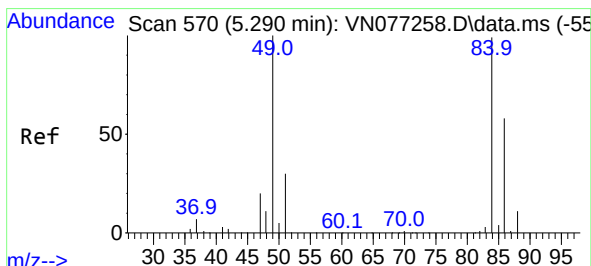
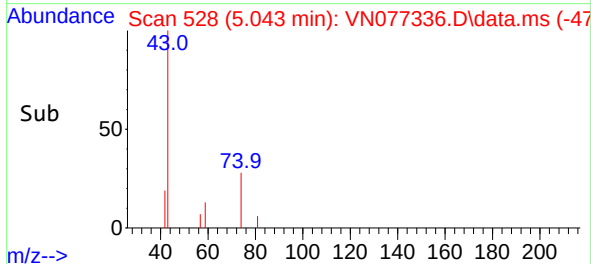
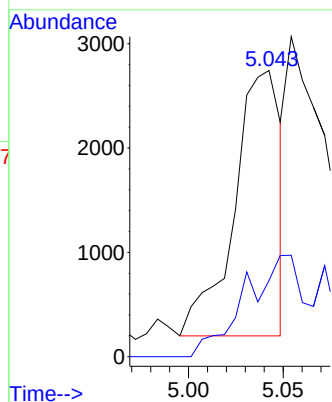
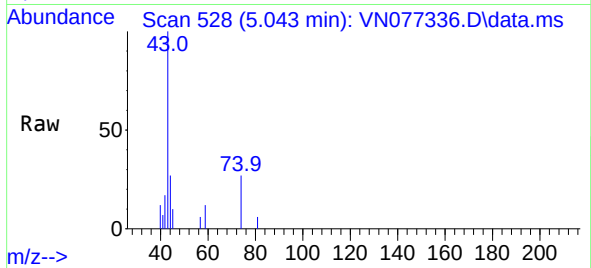




#18
Methyl Acetate
Concen: 0.423 ug/l
RT: 5.043 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

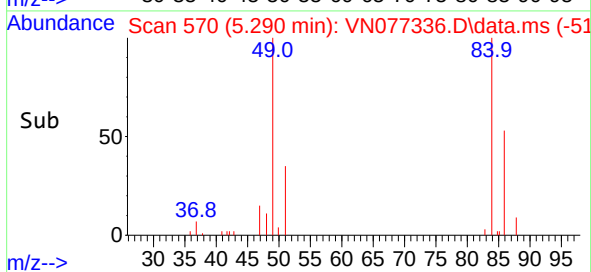
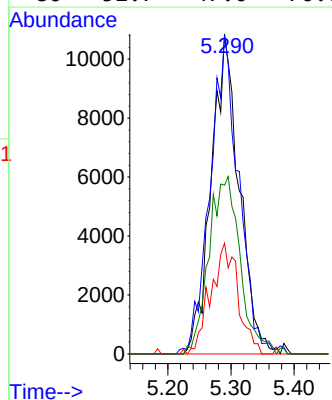
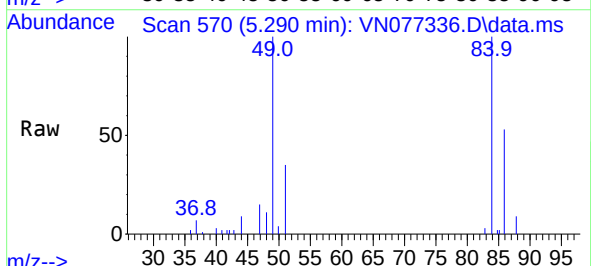
Instrument :
MSVOA_N
ClientSampleId :
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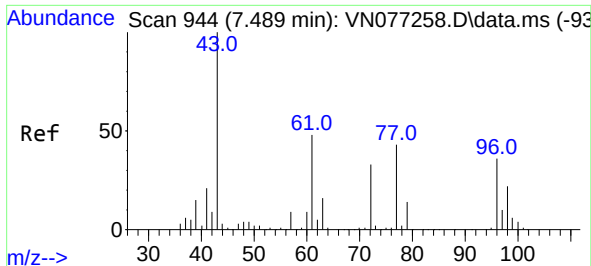
Tgt Ion: 43 Resp: 4349
Ion Ratio Lower Upper
43 100
74 48.4 23.4 35.2#



#20
Methylene Chloride
Concen: 4.392 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 84 Resp: 33462
Ion Ratio Lower Upper
84 100
49 98.1 80.6 121.0
51 34.6 24.4 36.6
86 52.7 47.0 70.6

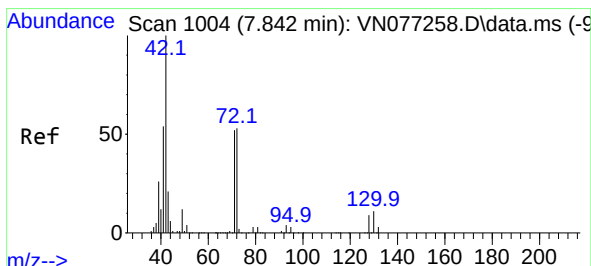
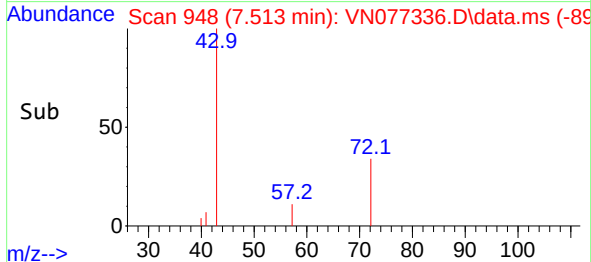
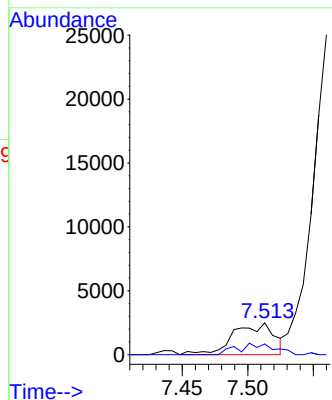
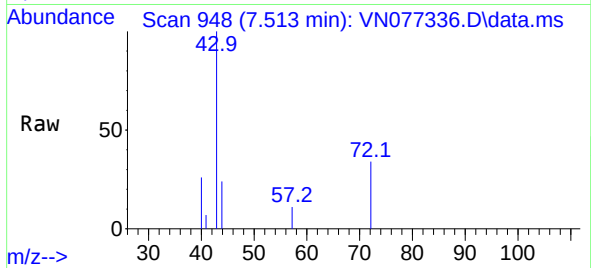




#25
2-Butanone
Concen: 1.224 ug/l
RT: 7.513 min Scan# 94
Delta R.T. 0.024 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

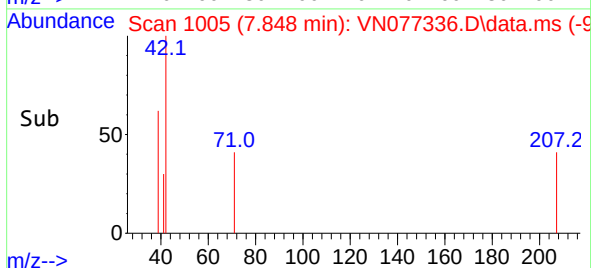
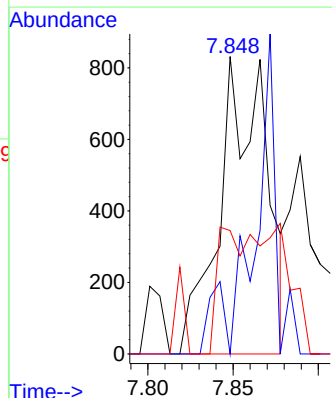
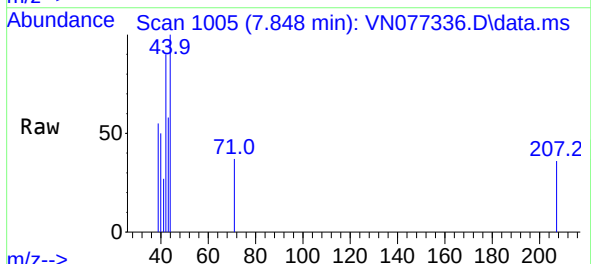
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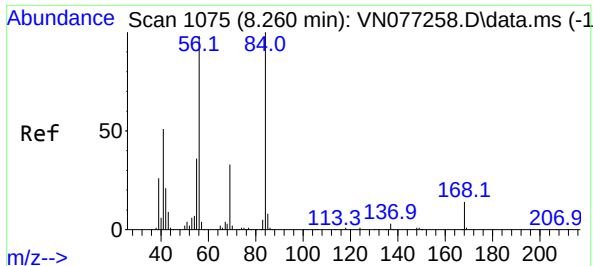
Tgt Ion: 43 Resp: 5359
Ion Ratio Lower Upper
43 100
72 33.6 26.6 39.8



#29
Tetrahydrofuran
Concen: 0.560 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

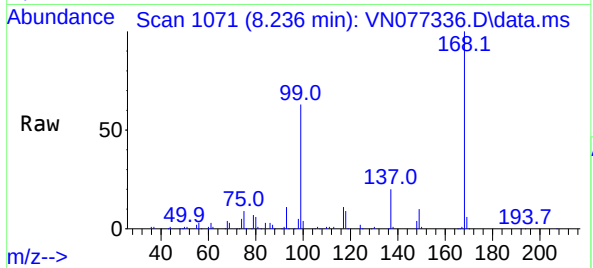
Tgt Ion: 42 Resp: 1577
Ion Ratio Lower Upper
42 100
72 8.1 44.6 66.8#
71 21.8 41.3 61.9#



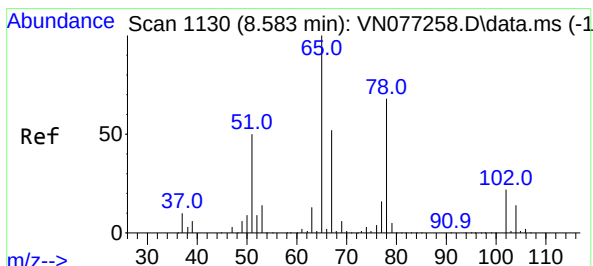
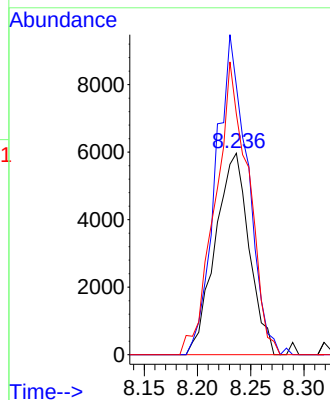
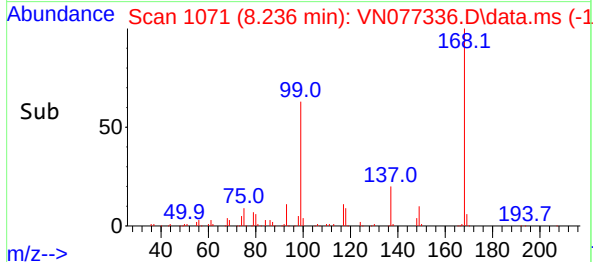


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.024 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Instrument :
MSVOA_N
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PB152089TB

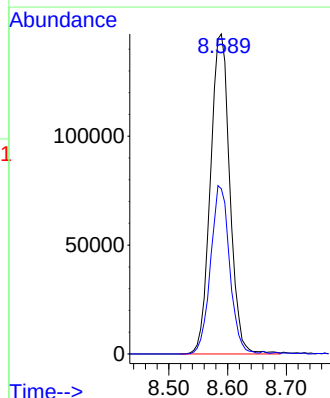
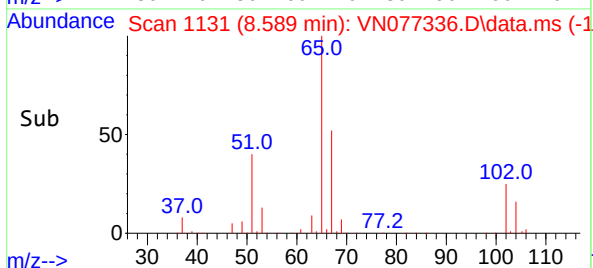
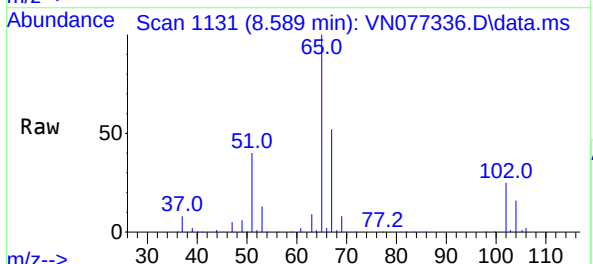


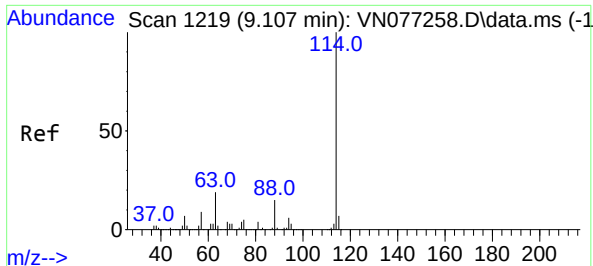
Tgt Ion: 56 Resp: 13205
Ion Ratio Lower Upper
56 100
69 133.6 26.6 40.0#
84 119.5 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 45.984 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 65 Resp: 336430
Ion Ratio Lower Upper
65 100
67 51.7 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077336.D

Acq: 13 Apr 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

PB152089TB

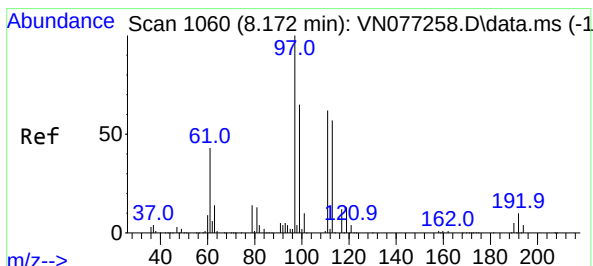
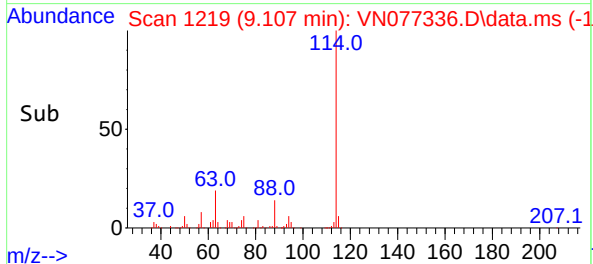
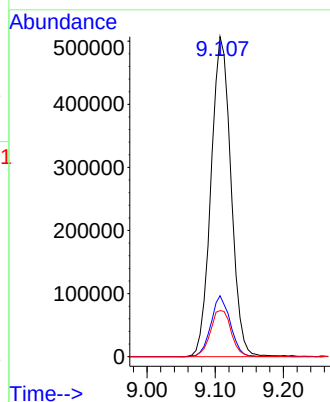
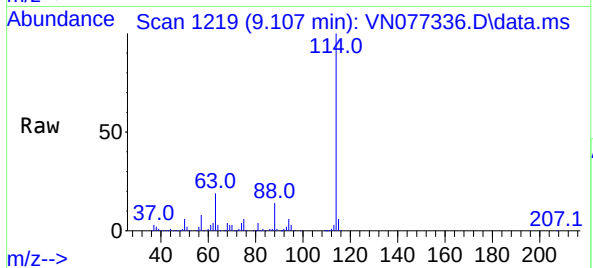
Tgt Ion:114 Resp: 1033921

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.8

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.327 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN077336.D

Acq: 13 Apr 2023 18:17

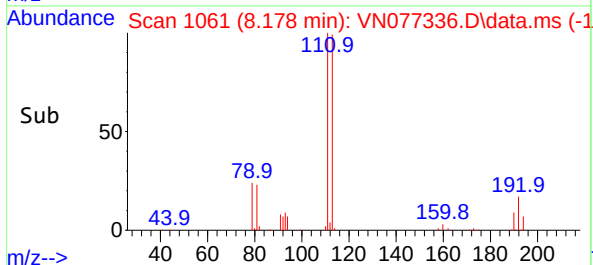
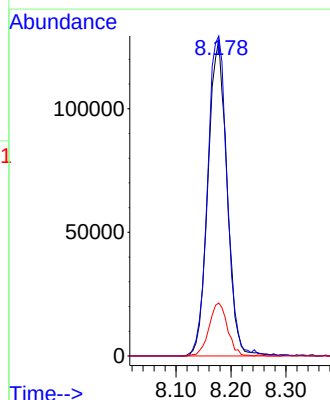
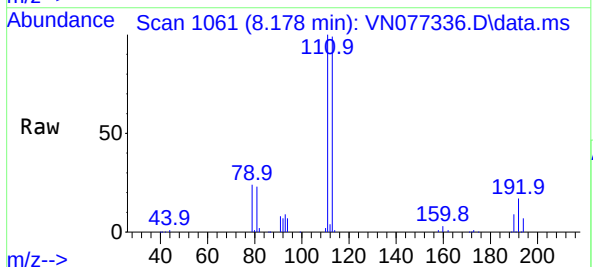
Tgt Ion:113 Resp: 306630

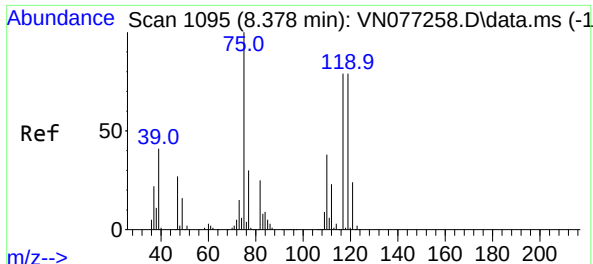
Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.0

192 16.3 13.5 20.3

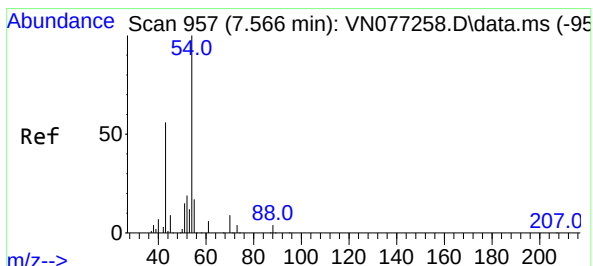
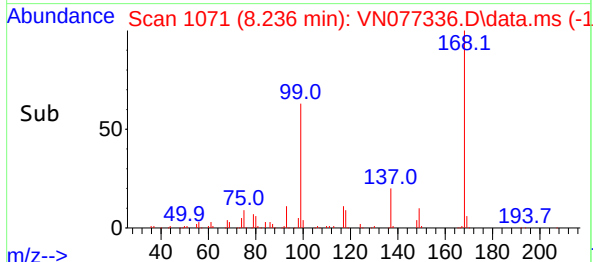
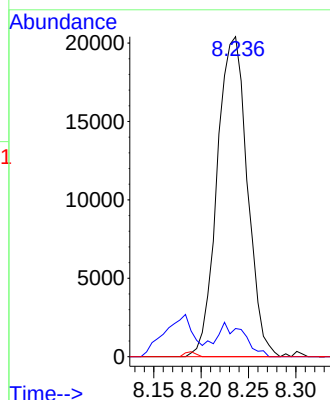
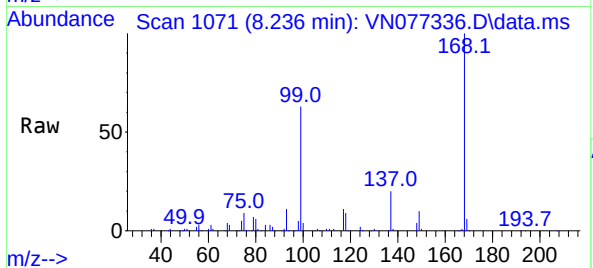




#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 8.236 min Scan# 1095
Delta R.T. -0.142 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

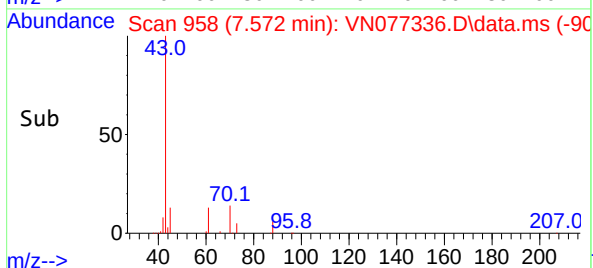
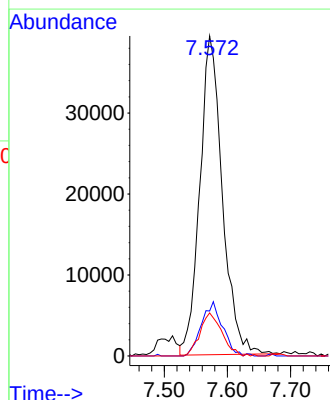
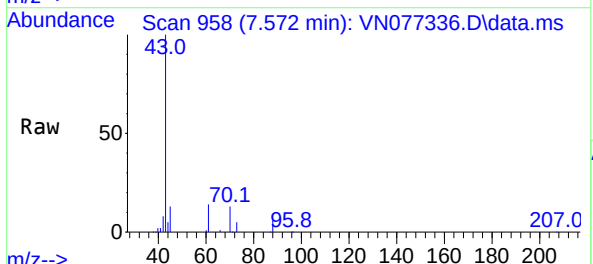
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

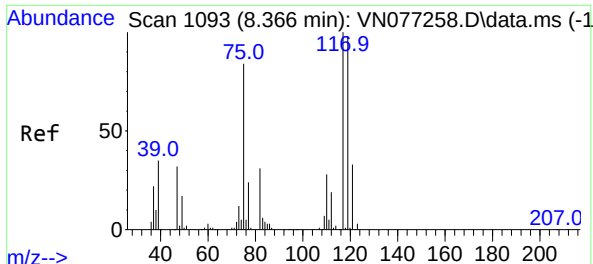
Tgt Ion: 75 Resp: 45230
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.151 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 43 Resp: 97670
Ion Ratio Lower Upper
43 100
61 16.1 12.2 18.2
70 13.1 10.0 15.0

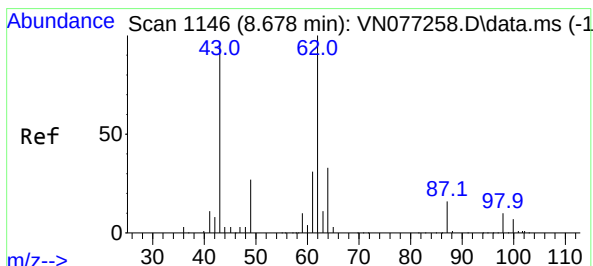
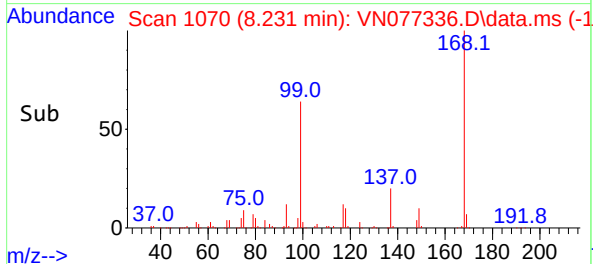
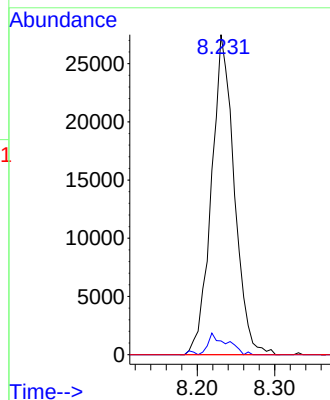
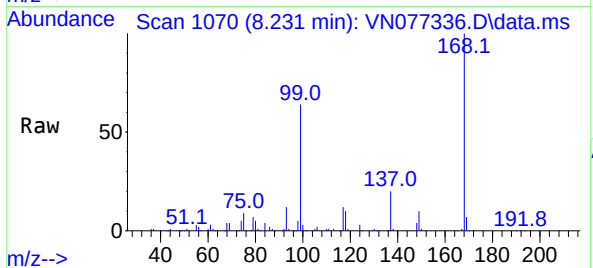




#38
Carbon Tetrachloride
Concen: 5.618 ug/l
RT: 8.231 min Scan# 1093
Delta R.T. -0.135 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

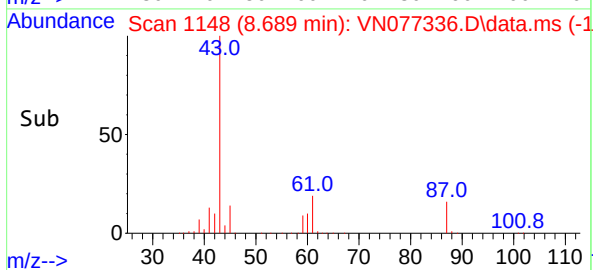
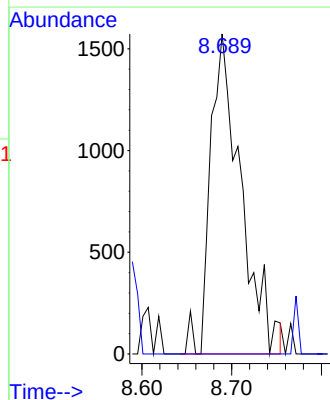
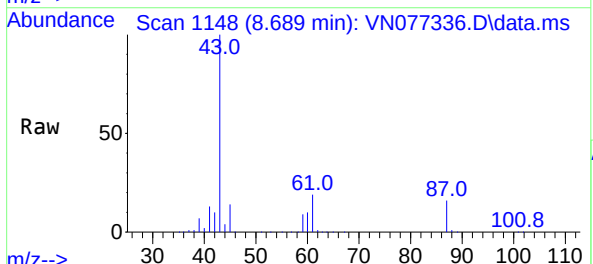
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

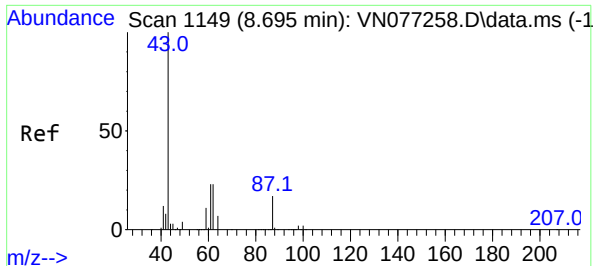
Tgt Ion:117 Resp: 56344
Ion Ratio Lower Upper
117 100
119 4.3 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.396 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 62 Resp: 3718
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

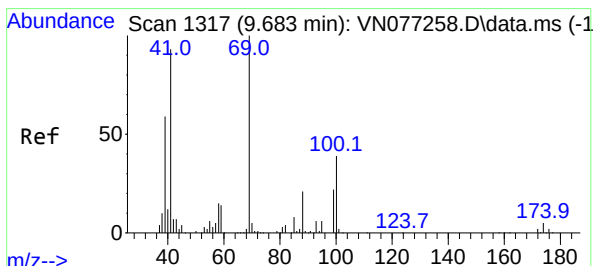
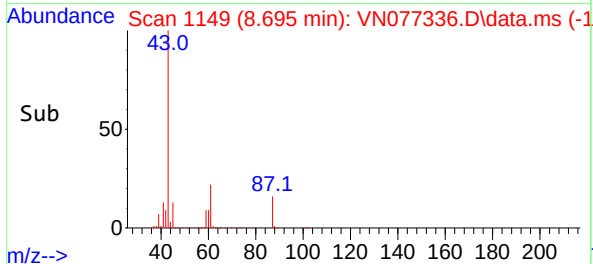
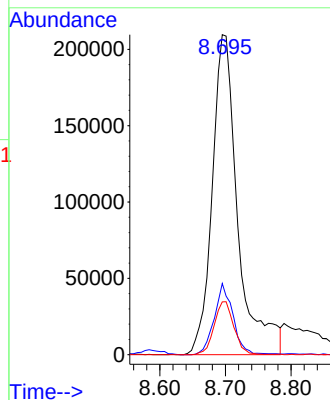
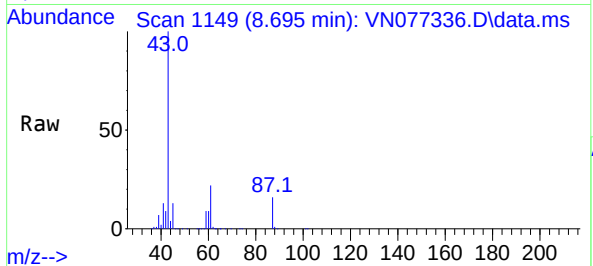




#43
Isopropyl Acetate
Concen: 35.176 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

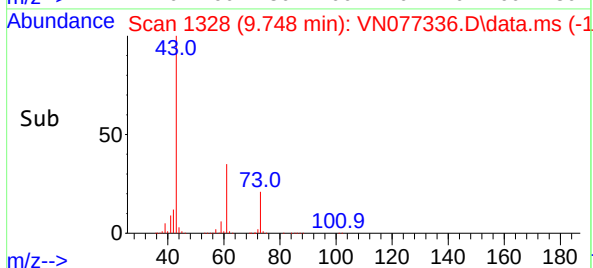
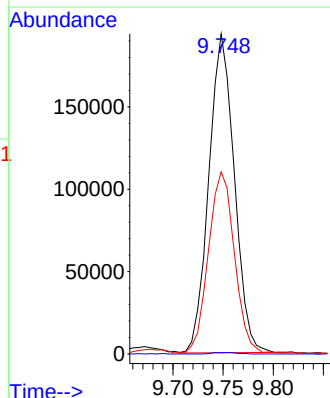
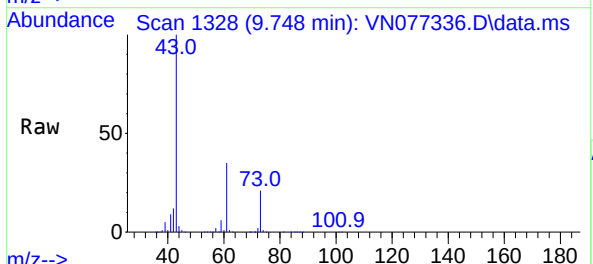
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

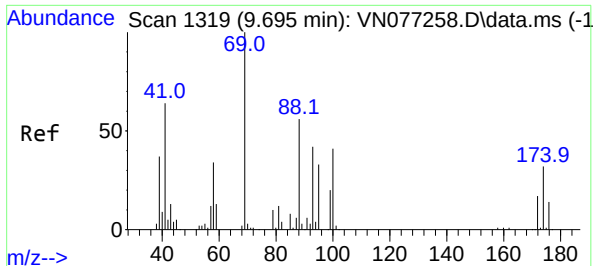
Tgt Ion: 43 Resp: 568505
Ion Ratio Lower Upper
43 100
61 16.4 22.7 34.1#
87 12.8 13.6 20.4#



#48
Methyl methacrylate
Concen: 49.583 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 41 Resp: 341843
Ion Ratio Lower Upper
41 100
69 0.4 85.0 127.6#
39 58.6 53.5 80.3

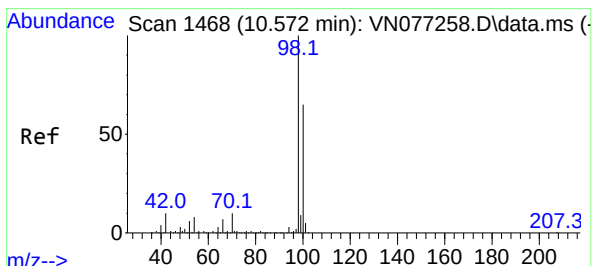
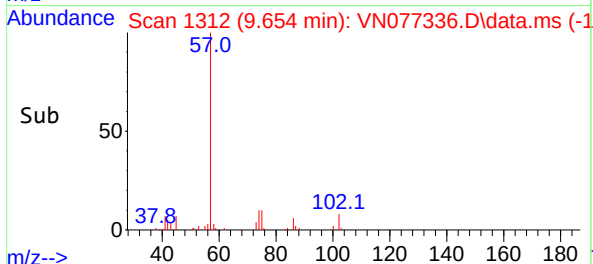
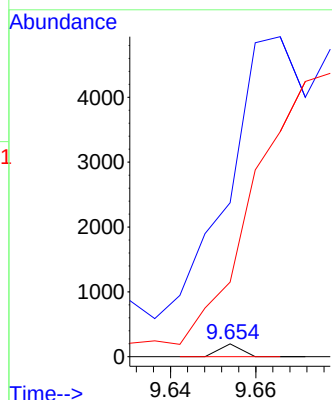
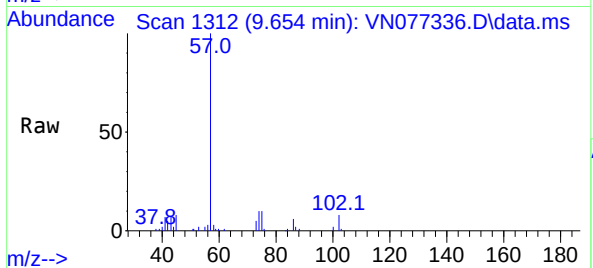




#49
1,4-Dioxane
Concen: 0.413 ug/l
RT: 9.654 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

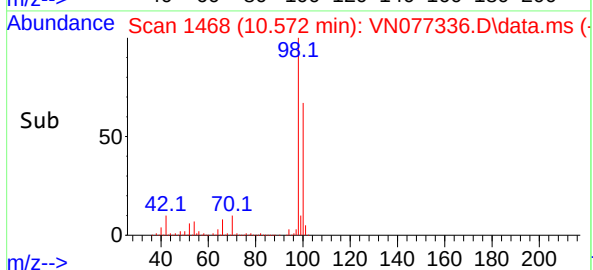
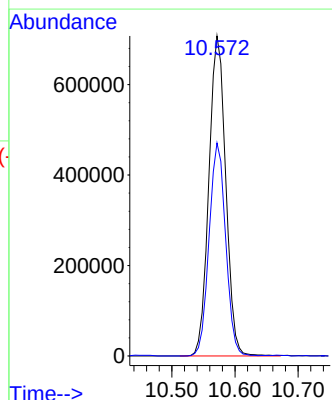
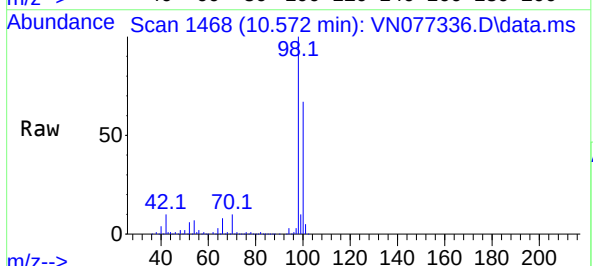
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

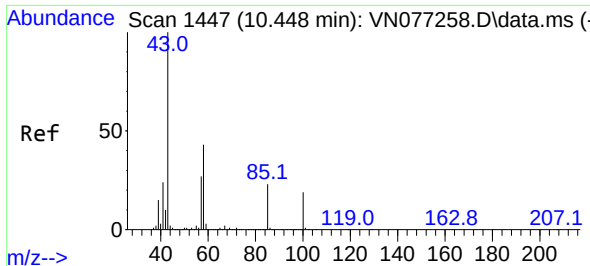
Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#



#50
Toluene-d8
Concen: 49.260 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 98 Resp: 1312551
Ion Ratio Lower Upper
98 100
100 65.4 51.3 76.9

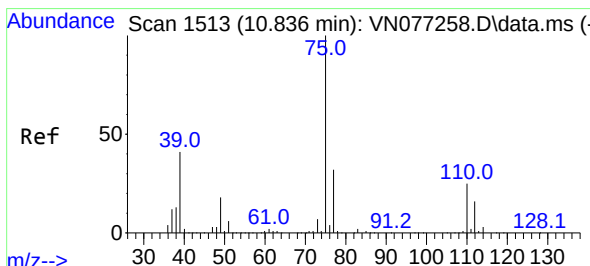
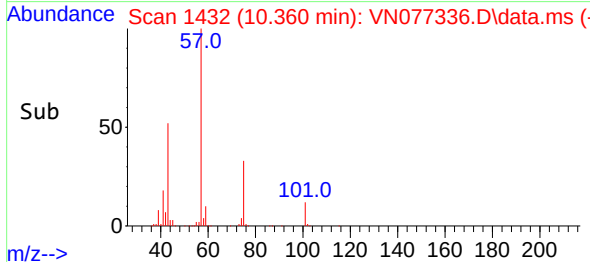
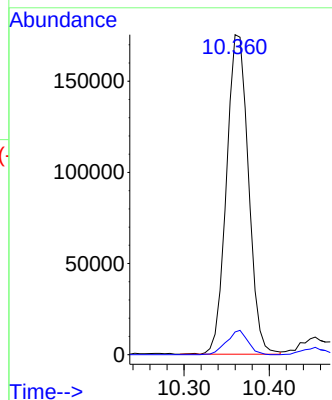
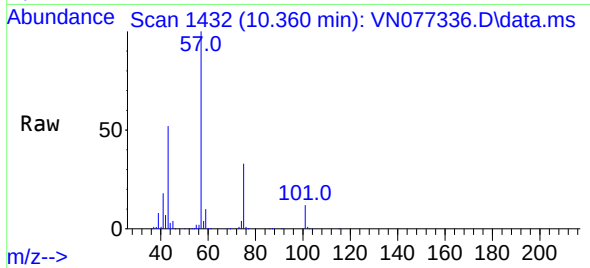




#51
4-Methyl-2-Pentanone
Concen: 33.656 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

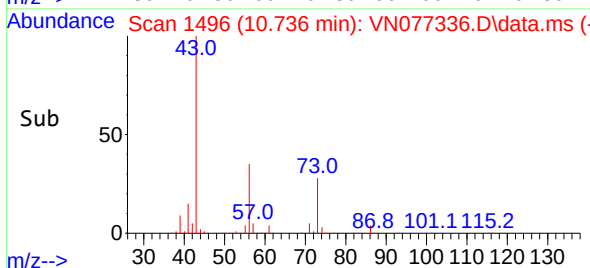
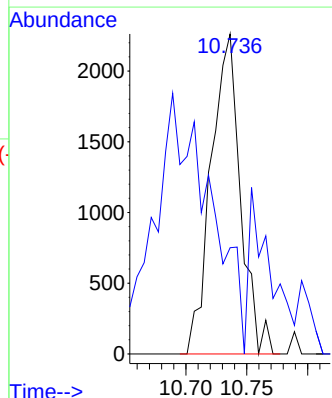
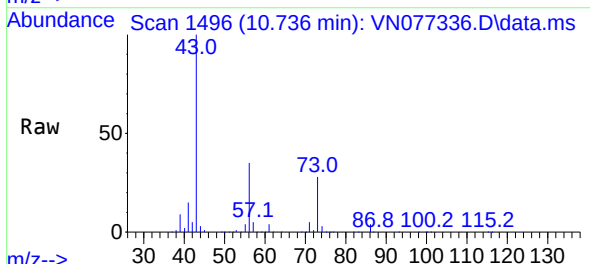
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

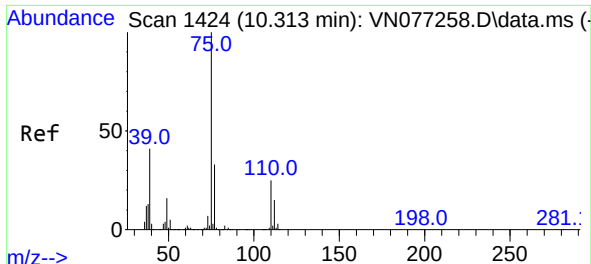
Tgt Ion: 43 Resp: 314409
Ion Ratio Lower Upper
43 100
58 7.4 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.319 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 75 Resp: 3783
Ion Ratio Lower Upper
75 100
77 11.3 25.4 38.0#

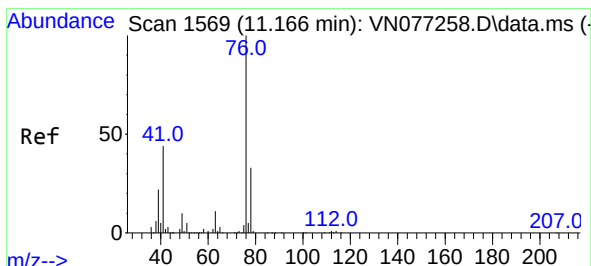
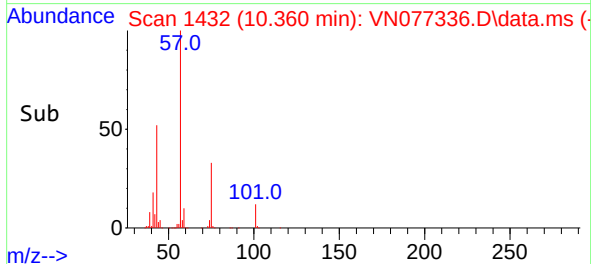
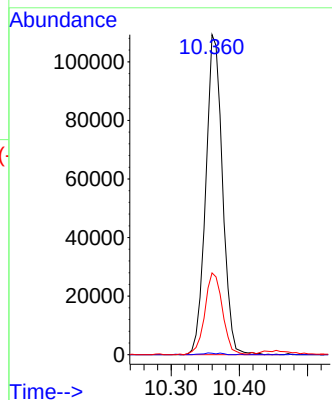
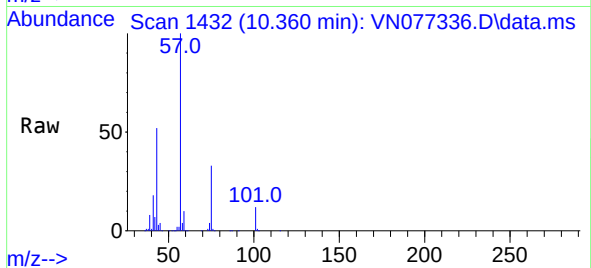




#54
cis-1,3-Dichloropropene
Concen: 14.756 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

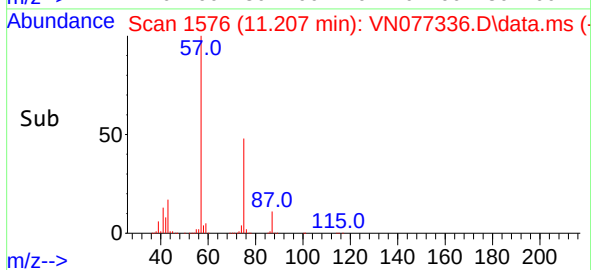
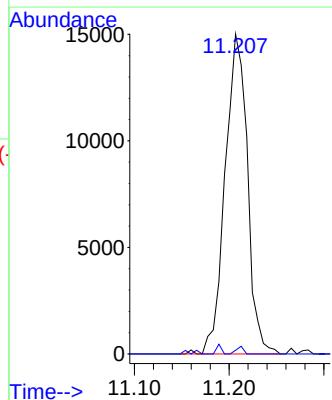
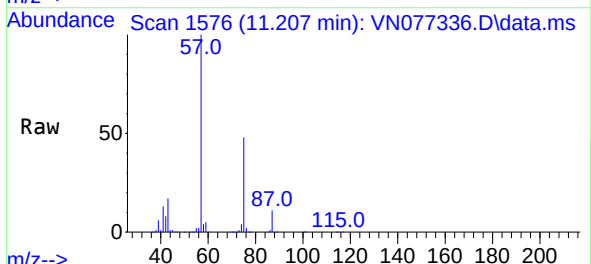
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

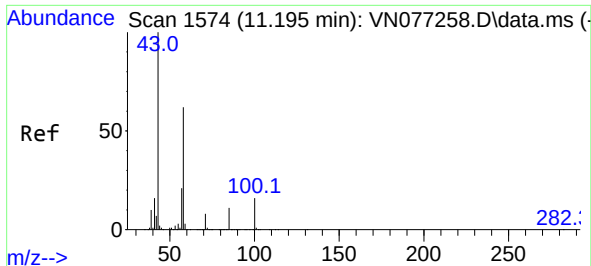
Tgt Ion: 75 Resp: 186388
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 25.4 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.898 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 76 Resp: 24597
Ion Ratio Lower Upper
76 100
78 0.8 26.2 39.4#

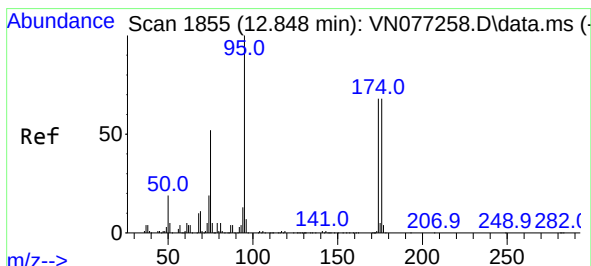
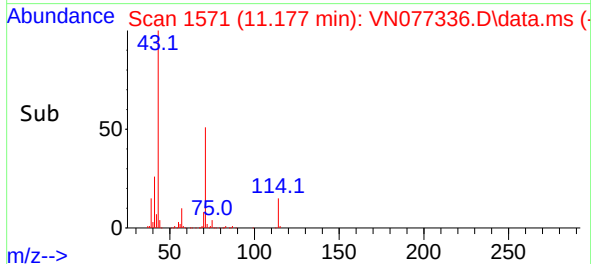
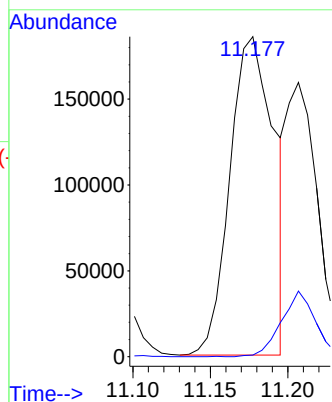
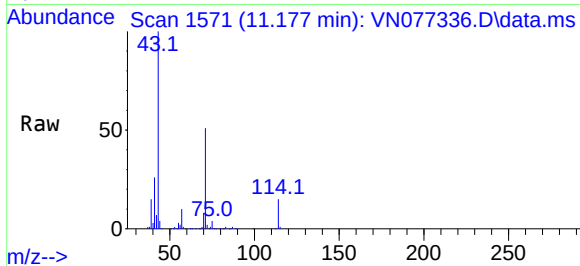




#59
2-Hexanone
Concen: 52.834 ug/l
RT: 11.177 min Scan# 11177
Delta R.T. -0.018 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

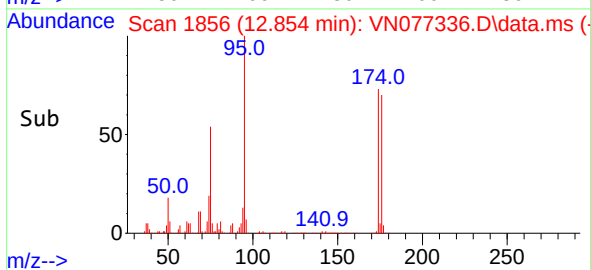
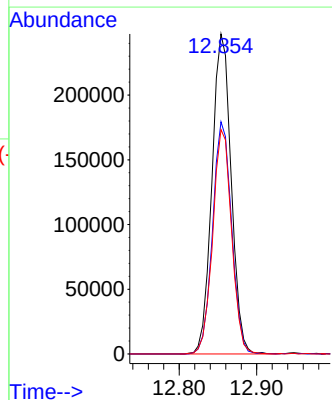
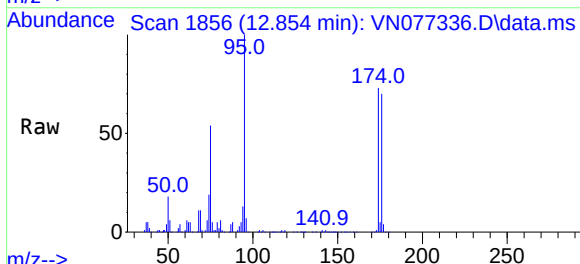
Instrument :
MSVOA_N
ClientSampleId :
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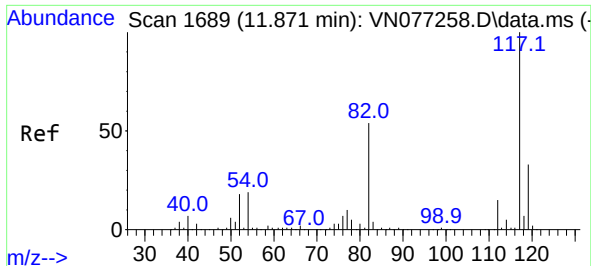
Tgt Ion: 43 Resp: 367703
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 47.982 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 95 Resp: 425213
Ion Ratio Lower Upper
95 100
174 71.8 0.0 146.8
176 68.9 0.0 139.6

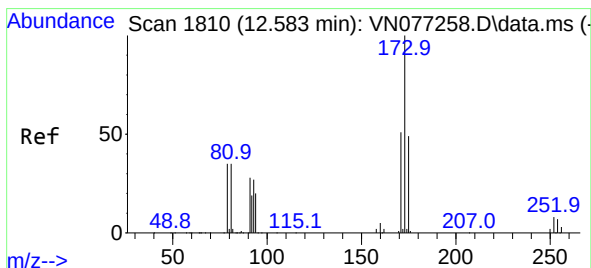
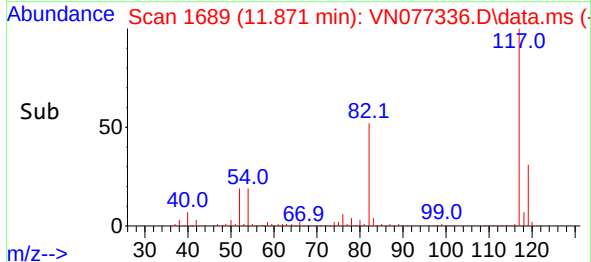
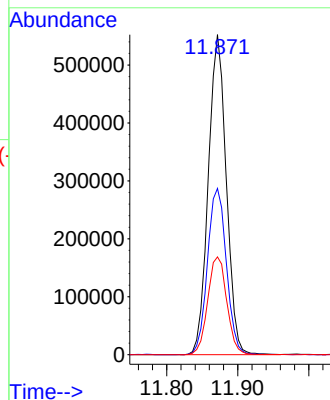
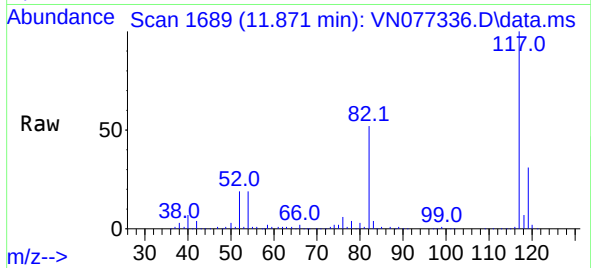




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

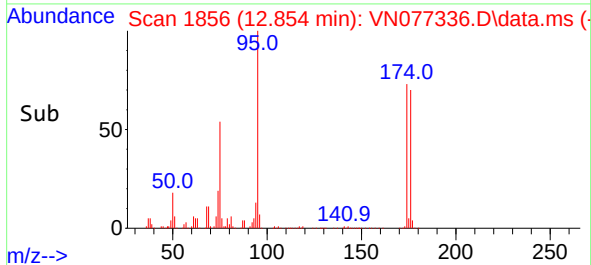
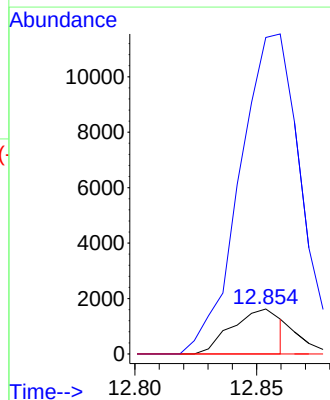
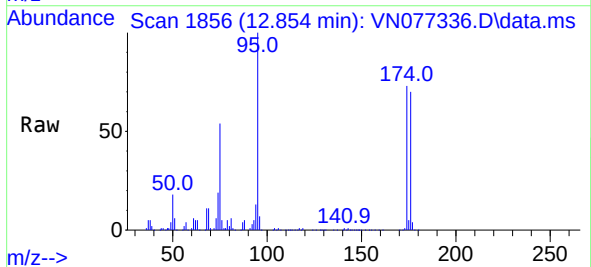
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

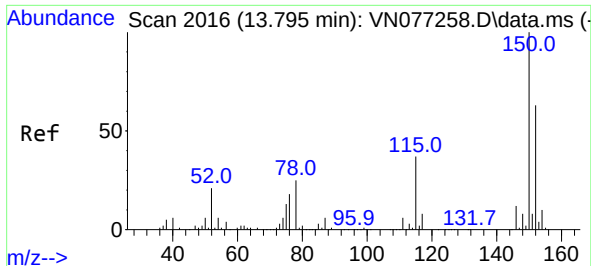
Tgt Ion:117 Resp: 974331
Ion Ratio Lower Upper
117 100
82 51.9 42.9 64.3
119 30.6 26.2 39.4



#71
Bromoform
Concen: 0.396 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion:173 Resp: 2265
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.1 0.1#

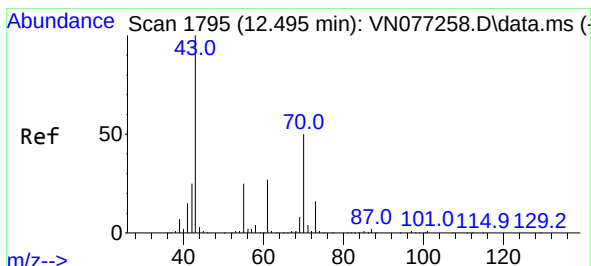
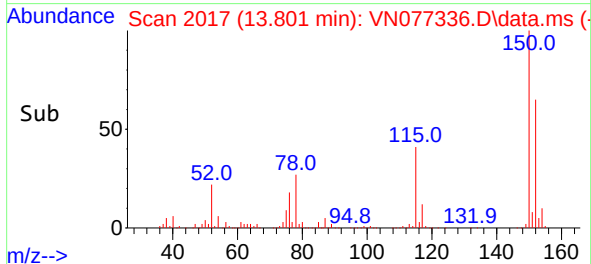
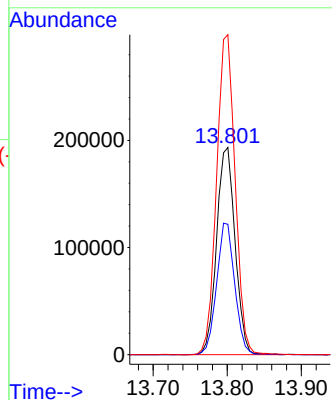
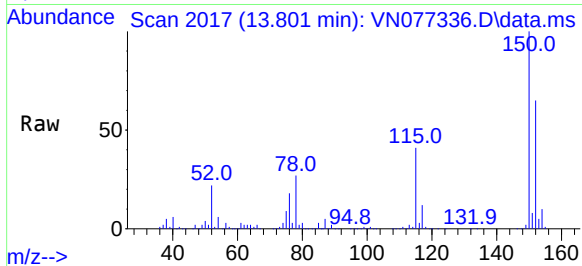




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

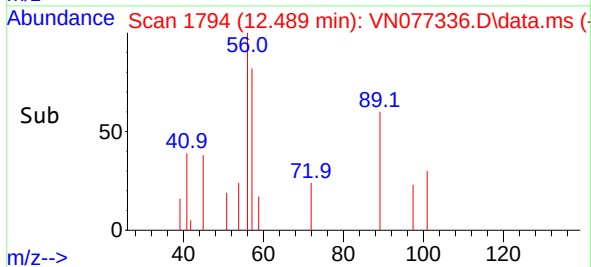
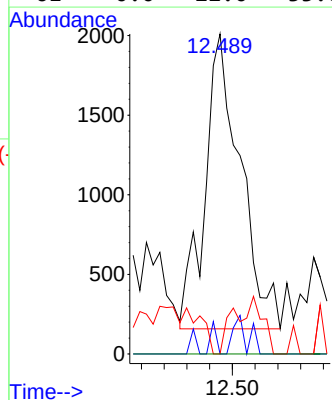
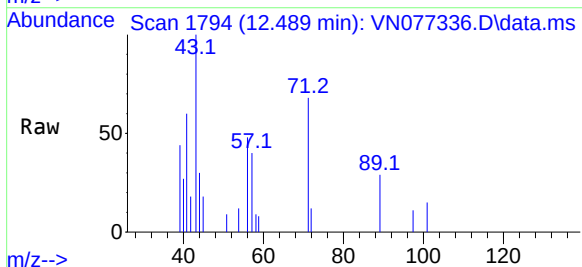
Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

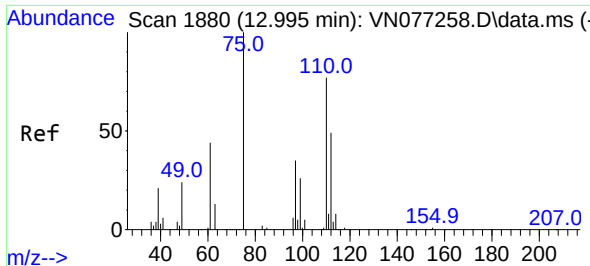
Tgt Ion:152 Resp: 335385
Ion Ratio Lower Upper
152 100
115 62.1 32.1 96.3
150 154.9 0.0 354.8



#74
N-ethyl acetate
Concen: 0.326 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 43 Resp: 4023
Ion Ratio Lower Upper
43 100
70 1.8 41.0 61.6#
55 0.0 19.3 28.9#
61 0.0 22.0 33.0#

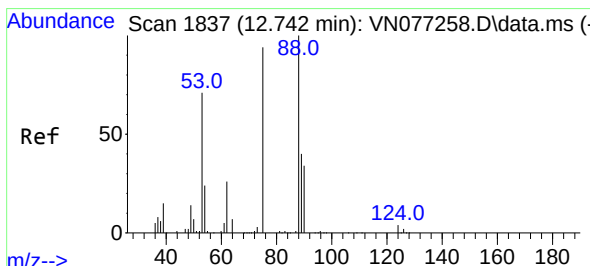
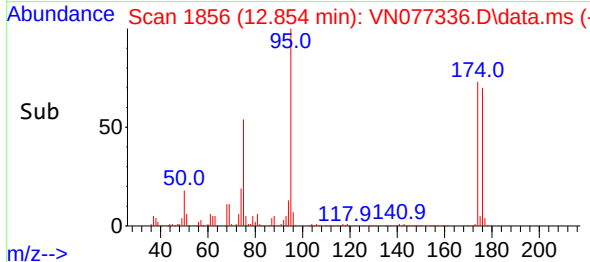
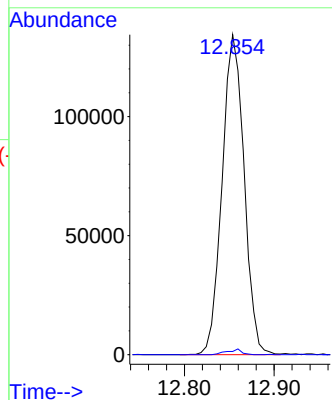
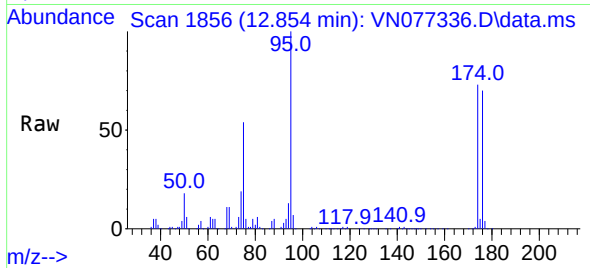




#76
1,2,3-Trichloropropane
Concen: 28.646 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :
PB152089TB

Tgt Ion: 75 Resp: 228783
Ion Ratio Lower Upper
75 100
77 1.1 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.464 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077336.D
Acq: 13 Apr 2023 18:17

Tgt Ion: 75 Resp: 228783
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

