

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078903.D
 Acq On : 16 Aug 2023 15:17
 Operator : JC\MD
 Sample : PB154855ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#06

Quant Time: Aug 17 01:17:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

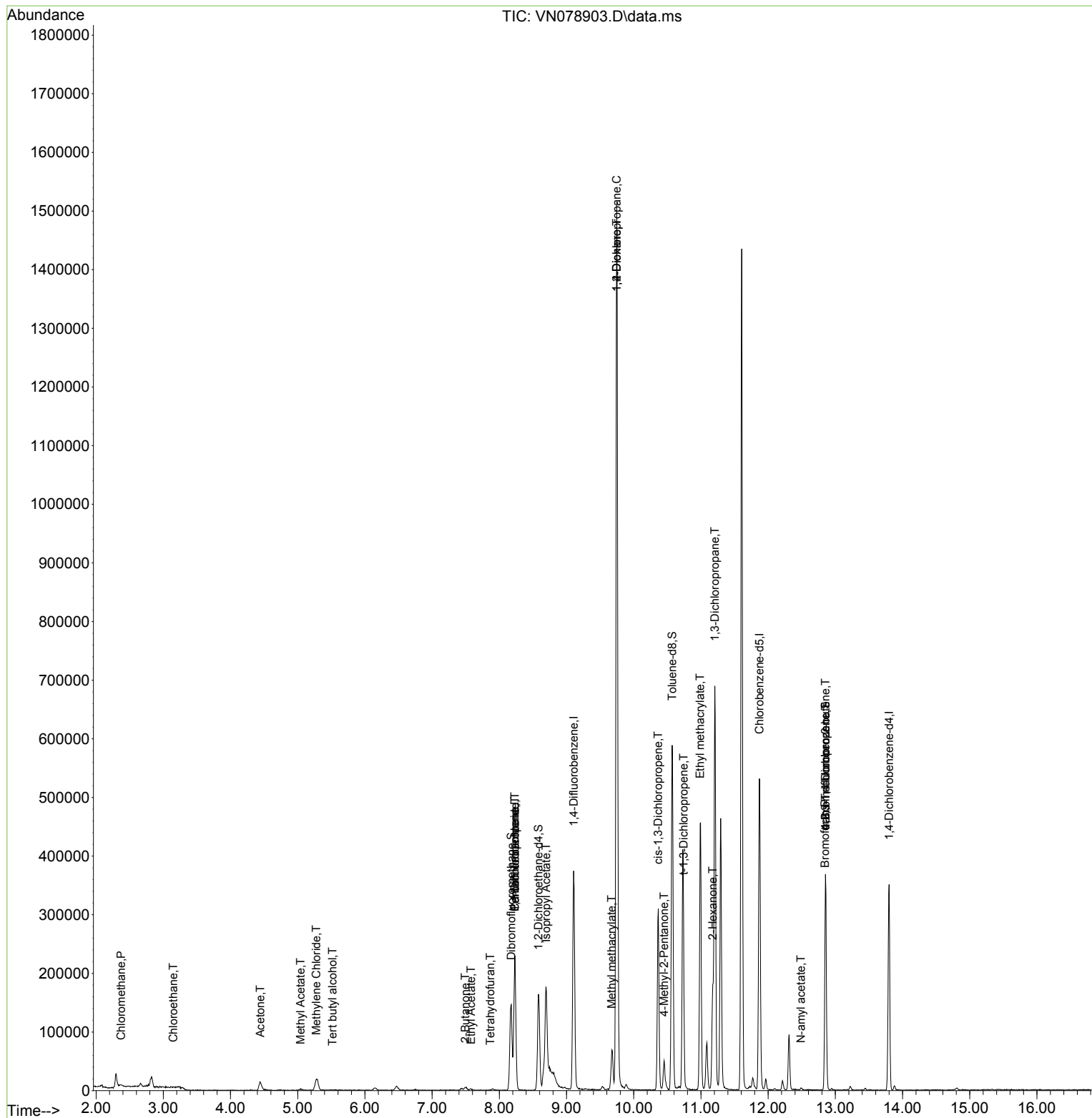
Internal Standards						
1) Pentafluorobenzene	8.230	168	149850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	308853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	296368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	88519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129189	55.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.800%			
35) Dibromofluoromethane	8.177	113	105004	50.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.571	98	392771	50.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.853	95	113819	45.108	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.220%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	1723	0.594	ug/l #	42
6) Chloroethane	3.148	64	470	0.264	ug/l #	43
11) Tert butyl alcohol	5.518	59	242	0.618	ug/l #	72
16) Acetone	4.442	43	25325	26.322	ug/l	93
18) Methyl Acetate	5.042	43	3152	0.775	ug/l #	68
20) Methylene Chloride	5.277	84	14503	7.073	ug/l #	81
25) 2-Butanone	7.494	43	8594	5.571	ug/l #	75
29) Tetrahydrofuran	7.865	42	373	0.365	ug/l #	32
31) Cyclohexane	8.230	56	5088	Below Cal	#	58
36) 1,1-Dichloropropene	8.230	75	14674	4.692	ug/l #	46
37) Ethyl Acetate	7.577	43	4332	1.238	ug/l #	75
38) Carbon Tetrachloride	8.230	117	17966	5.733	ug/l #	16
43) Isopropyl Acetate	8.694	43	257643	41.658	ug/l #	68
45) 1,2-Dichloropropane	9.747	63	1914	0.778	ug/l #	45
48) Methyl methacrylate	9.671	41	4273	1.525	ug/l #	29
49) 1,4-Dioxane	9.747	88	121	2.535	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	39729	10.831	ug/l #	77
53) t-1,3-Dichloropropene	10.741	75	793	0.222	ug/l	90
54) cis-1,3-Dichloropropene	10.365	75	50681	13.018	ug/l #	72
56) Ethyl methacrylate	10.988	69	1815	0.515	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6594	1.620	ug/l #	42
59) 2-Hexanone	11.177	43	149587	56.303	ug/l #	19
71) Bromoform	12.847	173	973	0.561	ug/l #	1
74) N-amyl acetate	12.488	43	1203	0.323	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	66016	30.952	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	66016	79.068	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.906	75	64	Below Cal	#	4

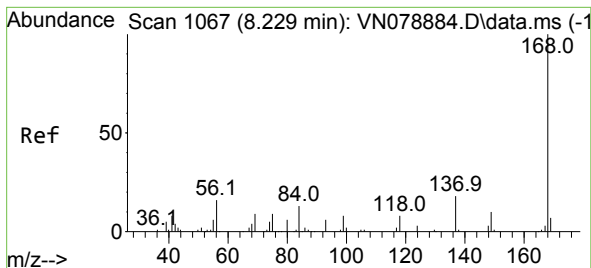
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
Data File : VN078903.D
Acq On : 16 Aug 2023 15:17
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078903.D

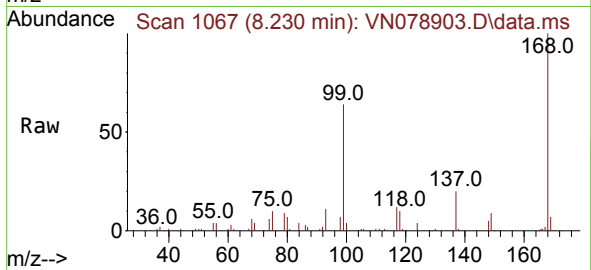
Acq: 16 Aug 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#06

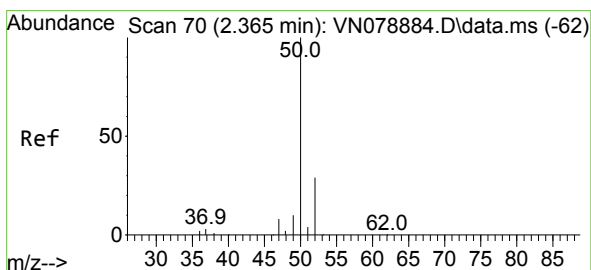
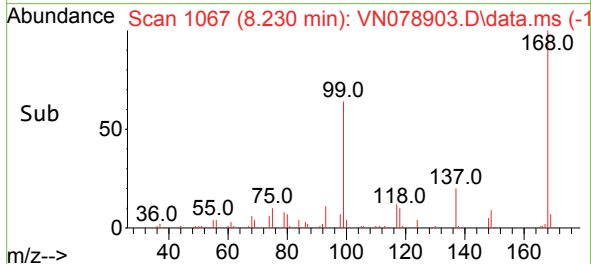
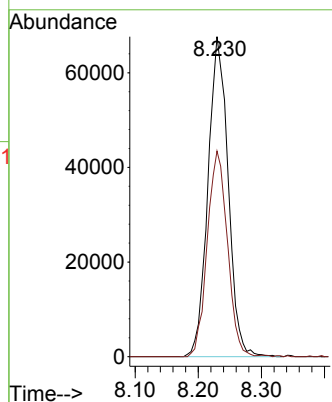


Tgt Ion:168 Resp: 149850

Ion Ratio Lower Upper

168 100

99 64.3 53.0 79.6



#3

Chloromethane

Concen: 0.594 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078903.D

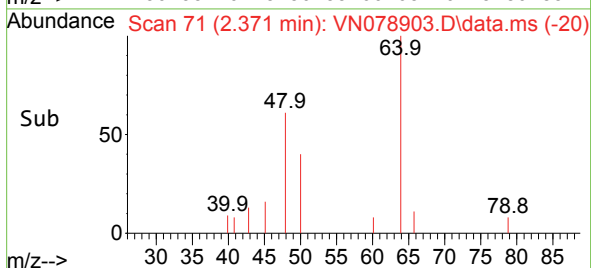
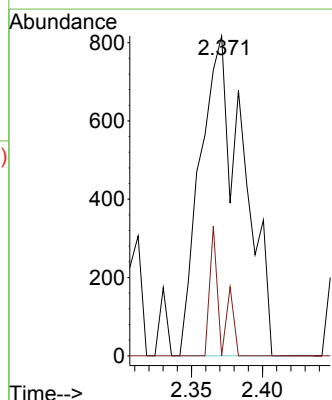
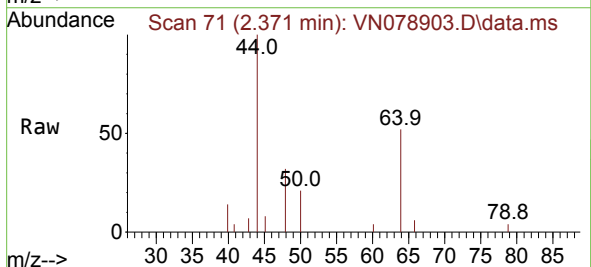
Acq: 16 Aug 2023 15:17

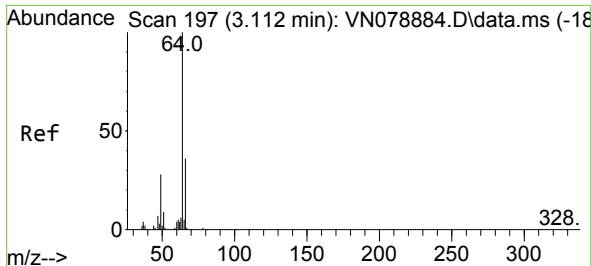
Tgt Ion: 50 Resp: 1723

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

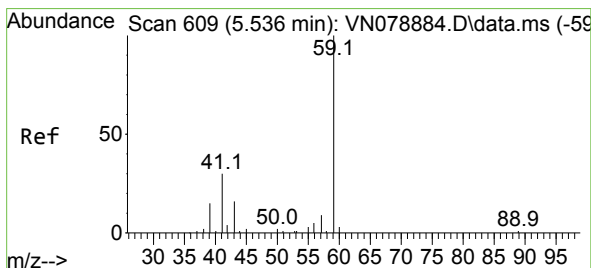
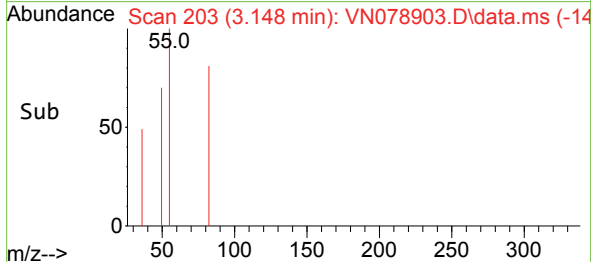
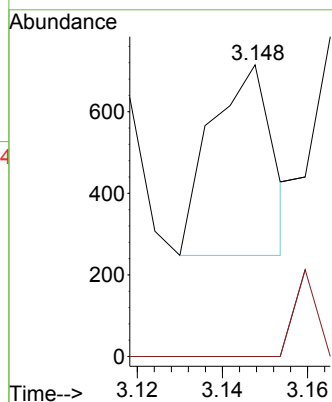
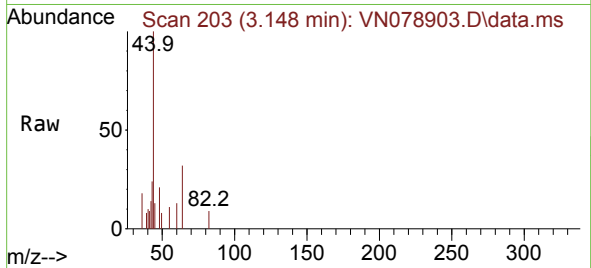




#6
Chloroethane
Concen: 0.264 ug/l
RT: 3.148 min Scan# 20
Delta R.T. 0.030 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

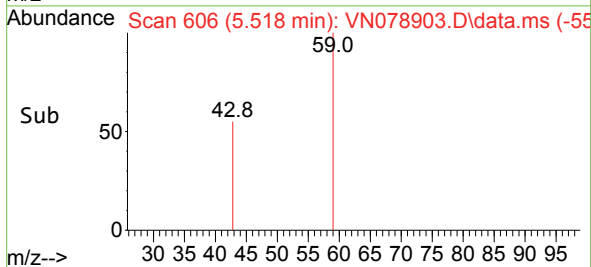
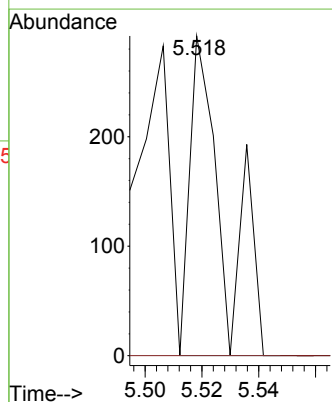
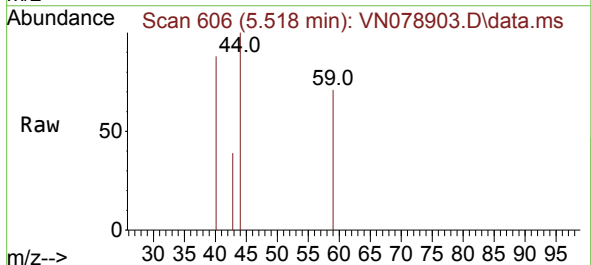
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

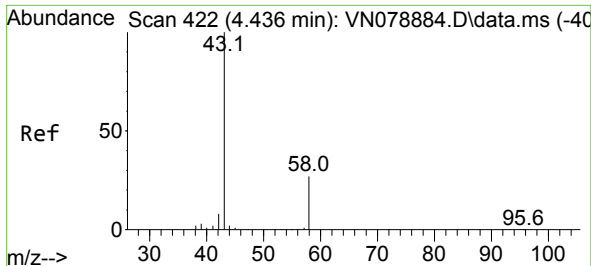
Tgt Ion: 64 Resp: 470
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.618 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

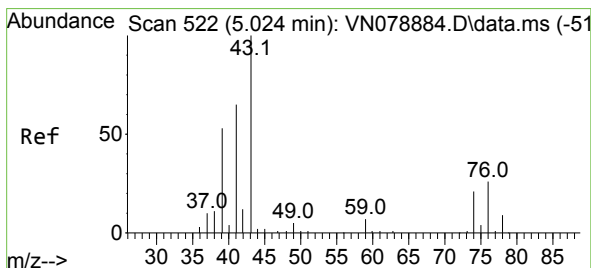
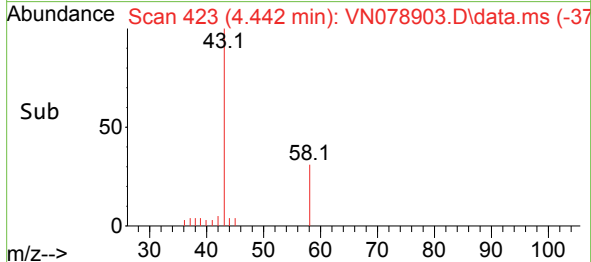
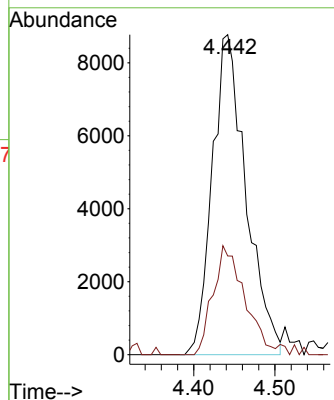
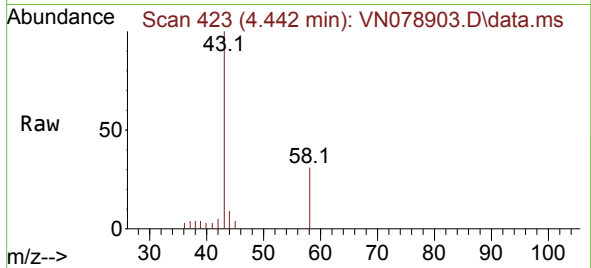




#16
Acetone
Concen: 26.322 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

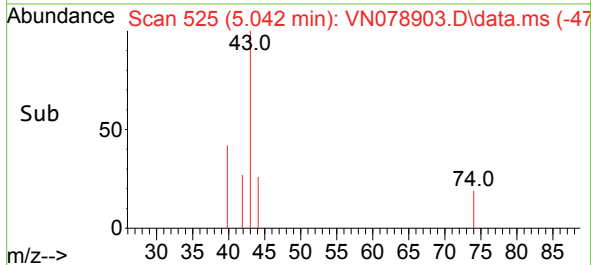
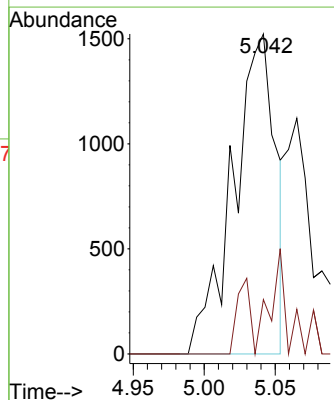
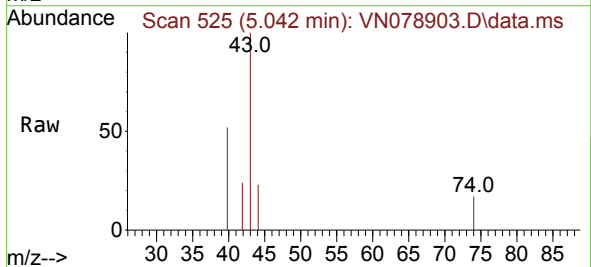
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

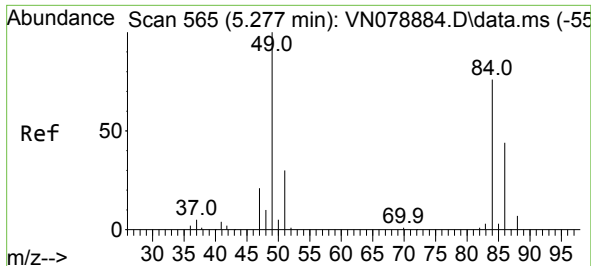
Tgt Ion: 43 Resp: 25325
Ion Ratio Lower Upper
43 100
58 30.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.775 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

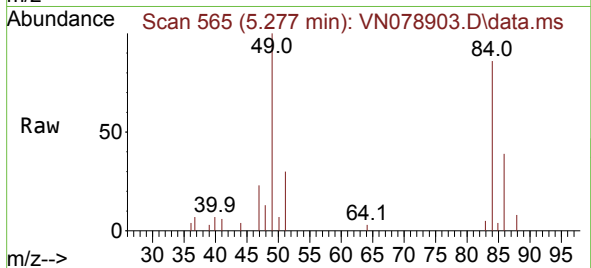
Tgt Ion: 43 Resp: 3152
Ion Ratio Lower Upper
43 100
74 15.0 26.2 39.4#



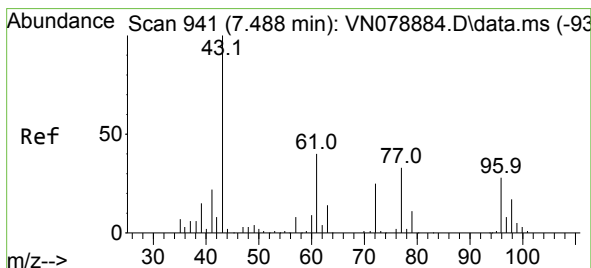
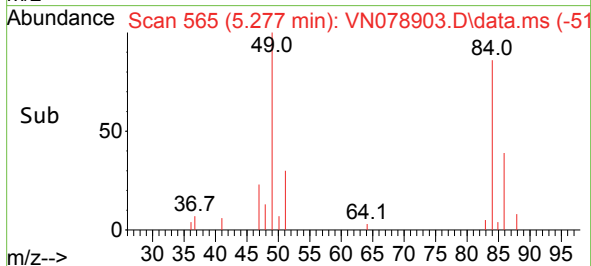
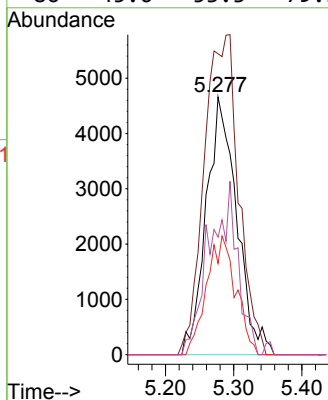


#20
Methylene Chloride
Concen: 7.073 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

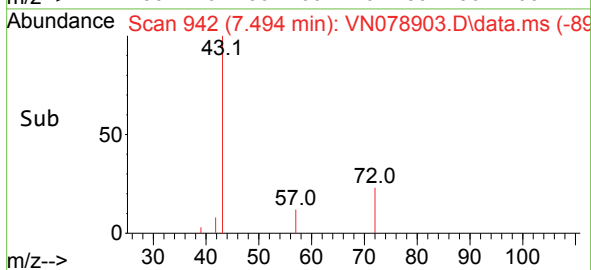
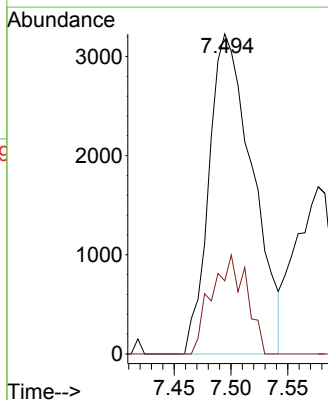
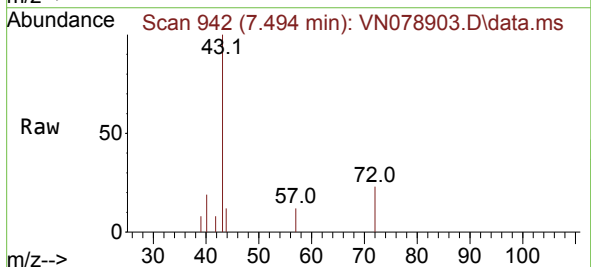


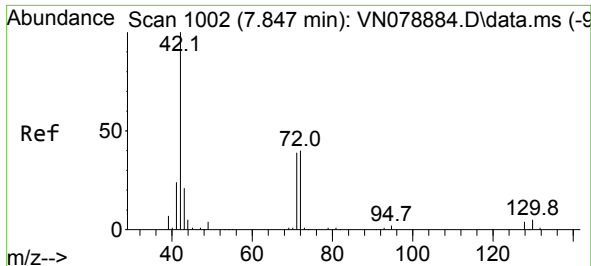
Tgt Ion:	84	Resp:	14503
Ion	Ratio	Lower	Upper
84	100		
49	116.8	79.7	119.5
51	35.4	25.2	37.8
86	45.6	53.3	79.9



#25
2-Butanone
Concen: 5.571 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion:	43	Resp:	8594
Ion	Ratio	Lower	Upper
43	100		
72	22.9	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.365 ug/l

RT: 7.865 min Scan# 10

Delta R.T. 0.018 min

Lab File: VN078903.D

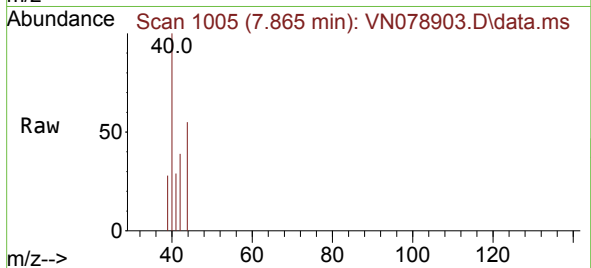
Acq: 16 Aug 2023 15:17

Instrument :

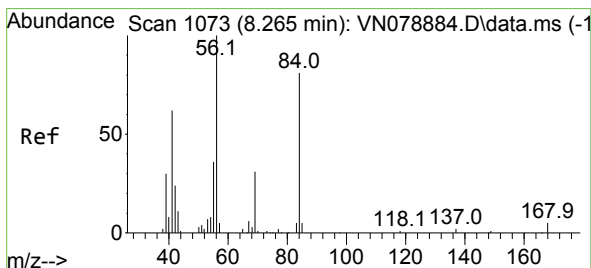
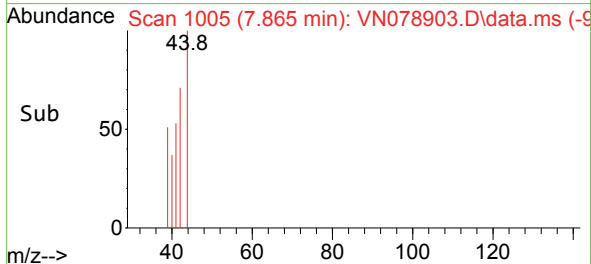
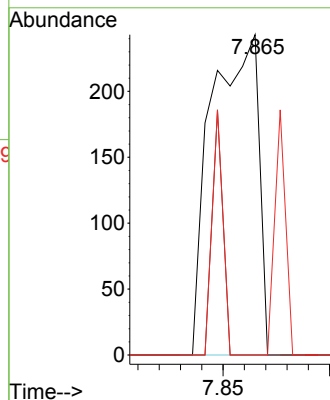
MSVOA_N

ClientSampleId :

PB154855ZHE#06



Tgt Ion:	42	Resp:	373
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	17.7	47.4	71.2#



#31

Cyclohexane

Concen: Below Cal

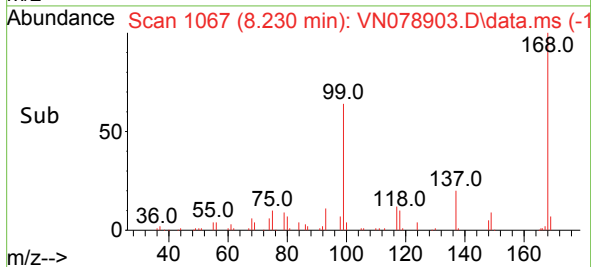
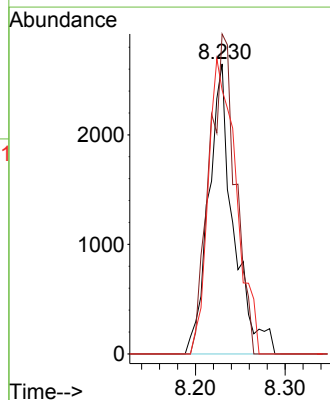
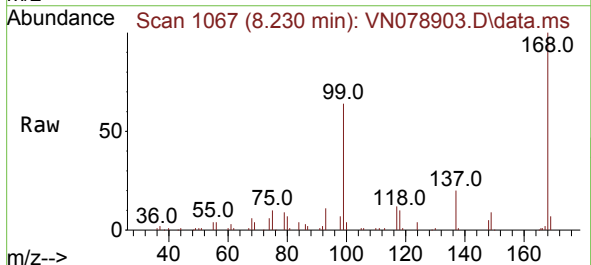
RT: 8.230 min Scan# 1067

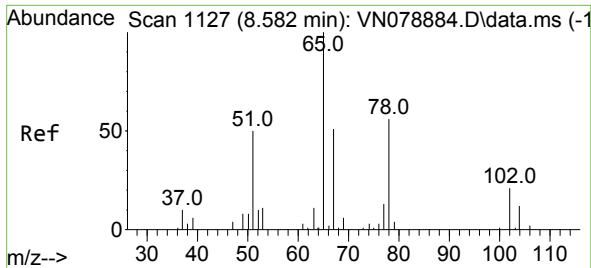
Delta R.T. -0.035 min

Lab File: VN078903.D

Acq: 16 Aug 2023 15:17

Tgt Ion:	56	Resp:	5088
Ion	Ratio	Lower	Upper
56	100		
69	110.3	26.8	40.2#
84	91.0	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 55.403 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078903.D

Acq: 16 Aug 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :

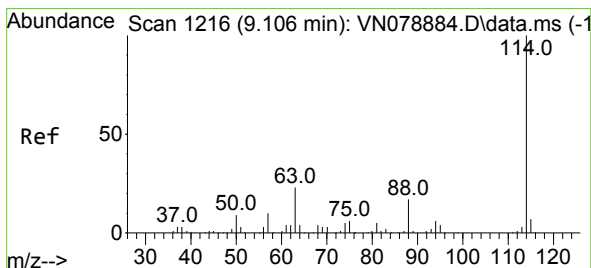
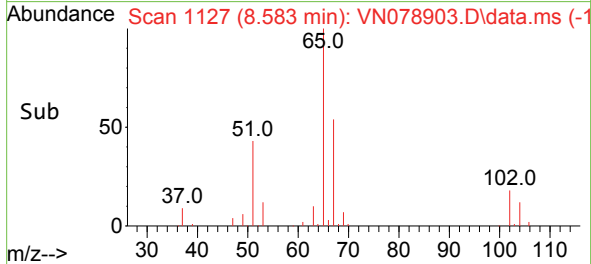
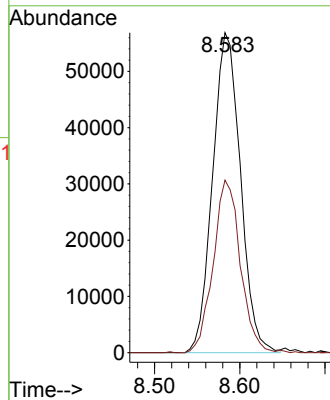
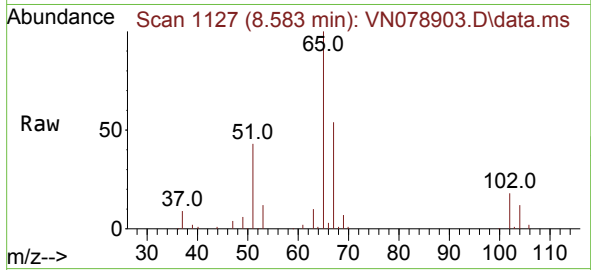
PB154855ZHE#06

Tgt Ion: 65 Resp: 129189

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078903.D

Acq: 16 Aug 2023 15:17

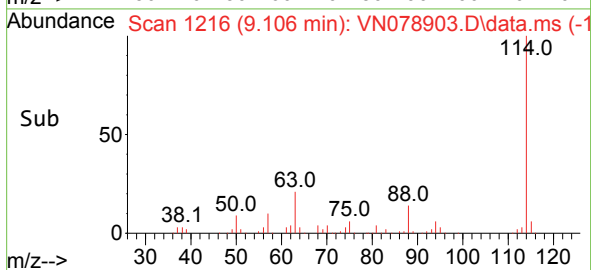
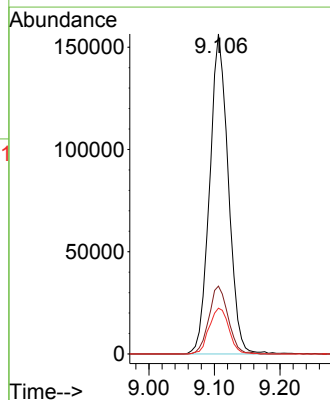
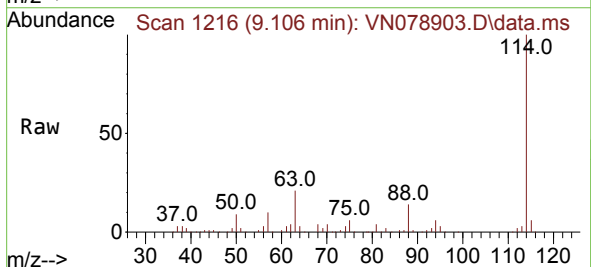
Tgt Ion: 114 Resp: 308853

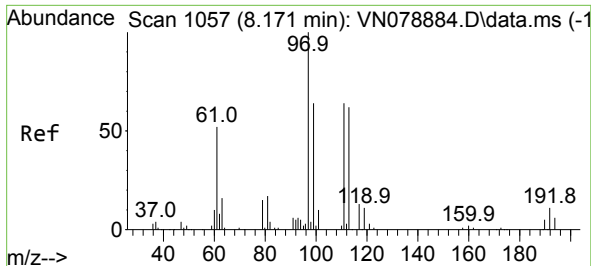
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

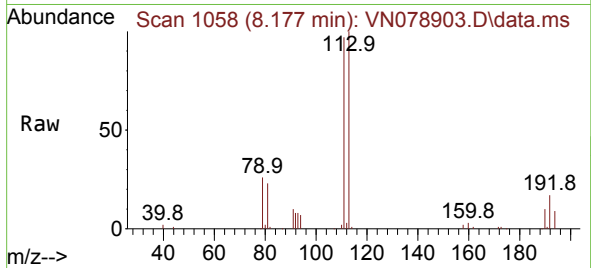
88 14.3 0.0 30.6



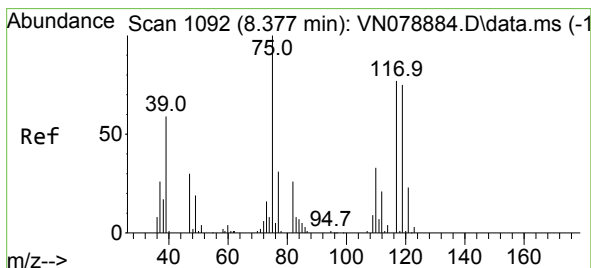
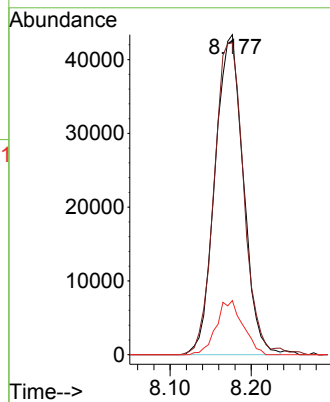
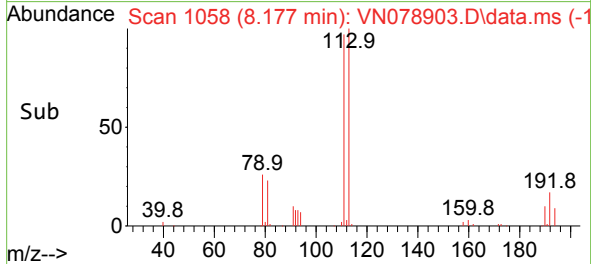


#35
Dibromofluoromethane
Concen: 50.506 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

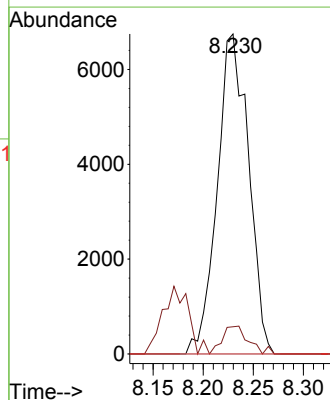
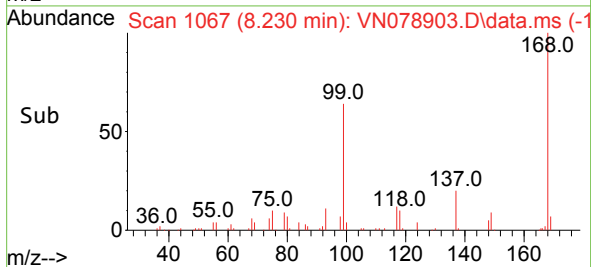
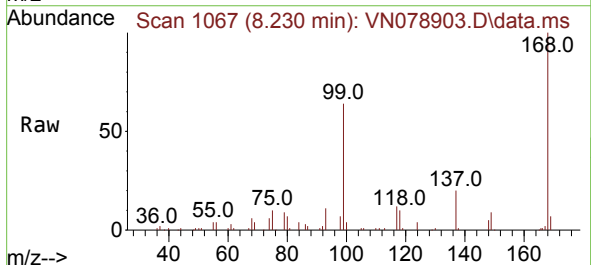


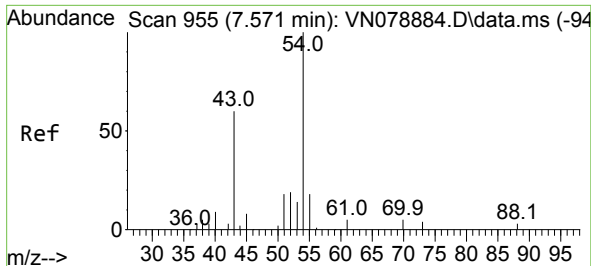
Tgt Ion:113 Resp: 105004
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 16.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.692 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 75 Resp: 14674
Ion Ratio Lower Upper
75 100
110 7.3 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.238 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078903.D

Acq: 16 Aug 2023 15:17

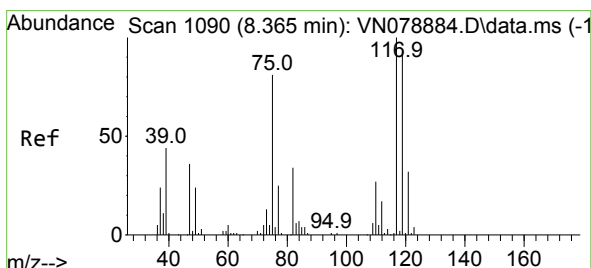
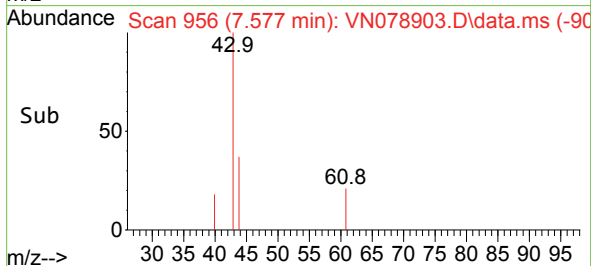
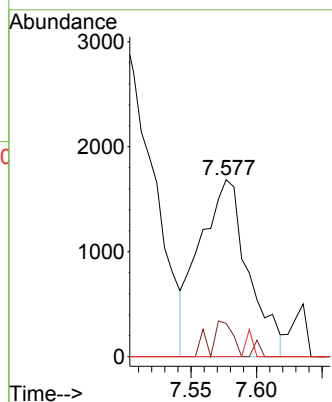
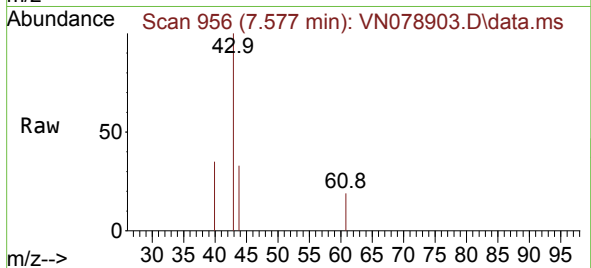
Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#06

Tgt Ion: 43	Resp:	4332
Ion	Ratio	Lower Upper
43	100	
61	9.1	13.2 19.8#
70	0.0	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.733 ug/l

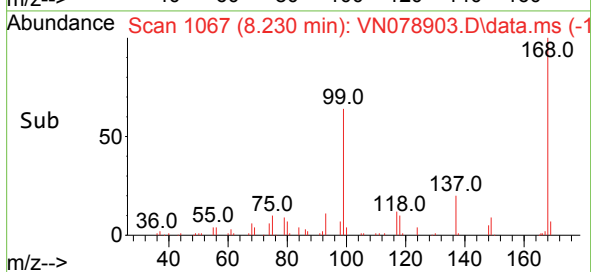
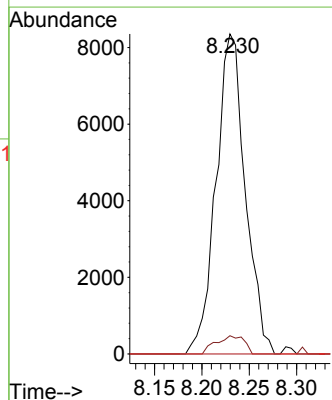
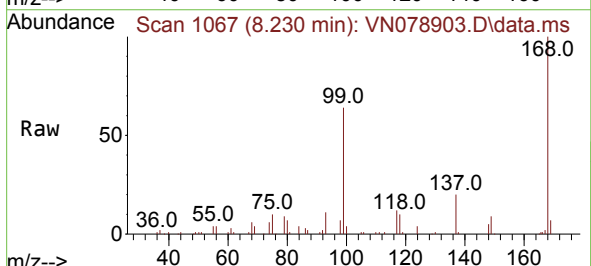
RT: 8.230 min Scan# 1067

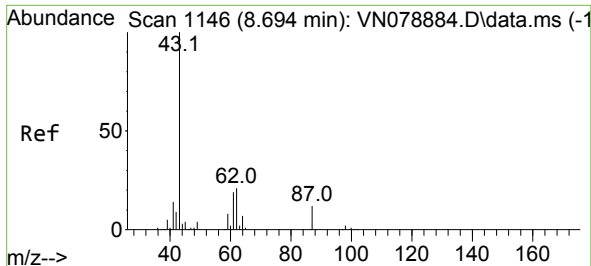
Delta R.T. -0.141 min

Lab File: VN078903.D

Acq: 16 Aug 2023 15:17

Tgt Ion: 117	Resp:	17966
Ion	Ratio	Lower Upper
117	100	
119	5.7	77.3 115.9#
121	0.0	23.3 34.9#

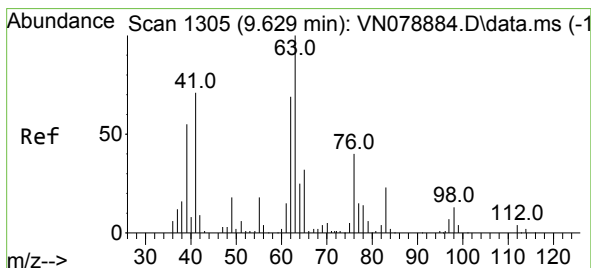
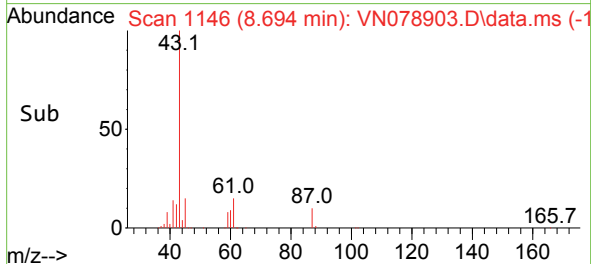
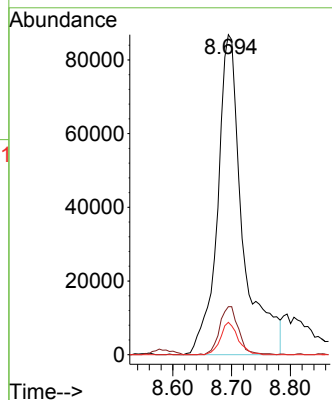
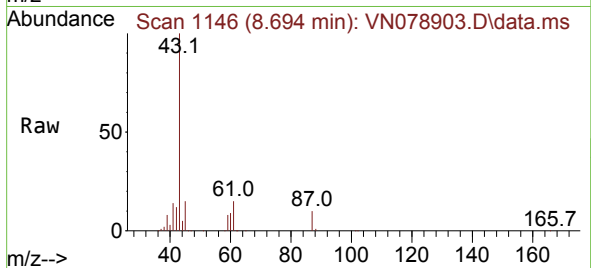




#43
Isopropyl Acetate
Concen: 41.658 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

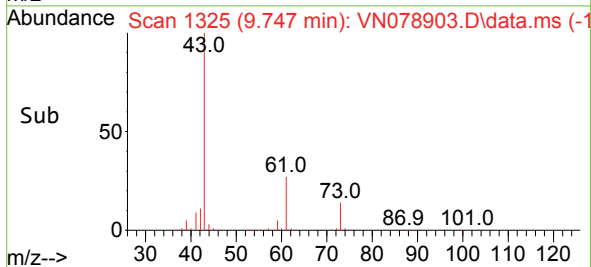
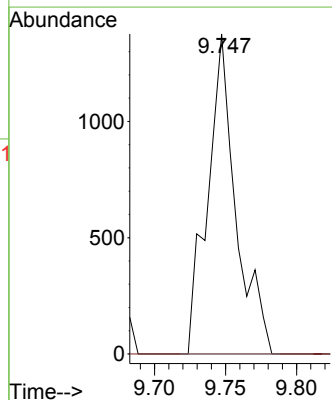
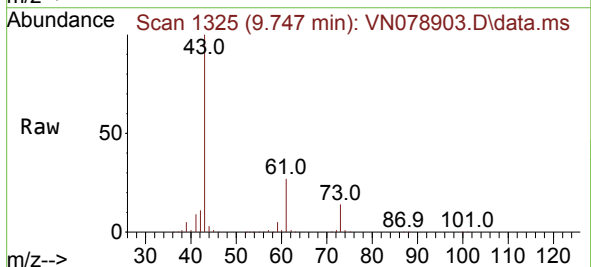
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

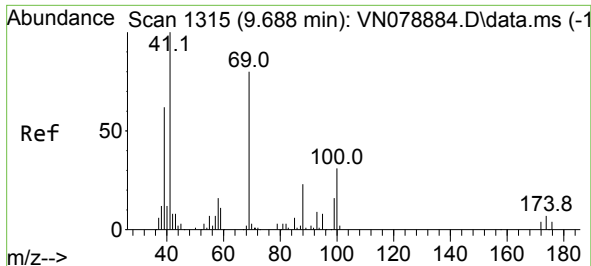
Tgt Ion: 43 Resp: 257643
Ion Ratio Lower Upper
43 100
61 11.3 24.7 37.1#
87 7.1 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.778 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 63 Resp: 1914
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

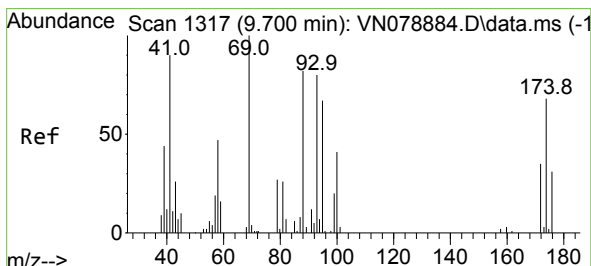
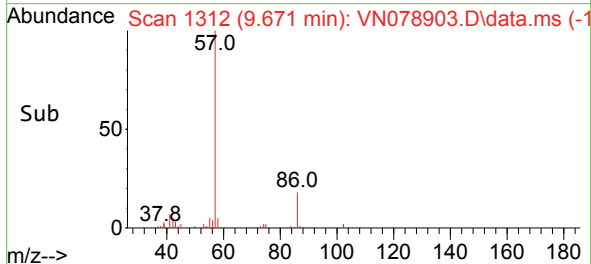
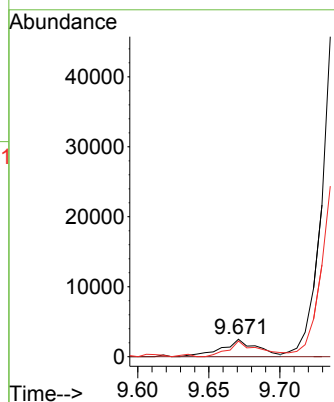
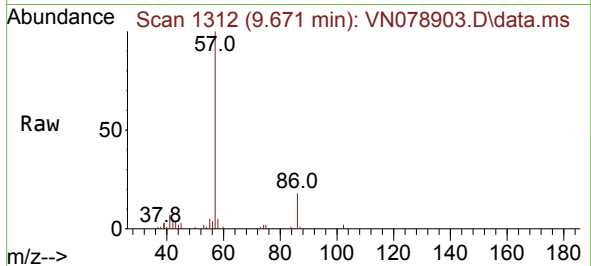




#48
Methyl methacrylate
Concen: 1.525 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

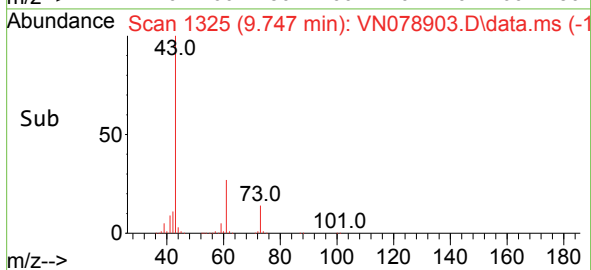
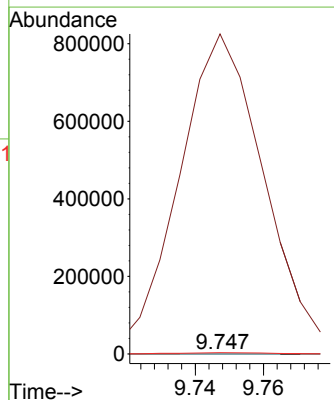
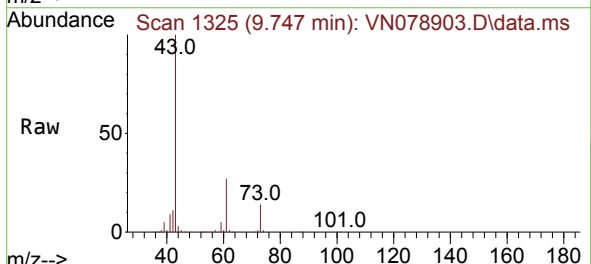
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

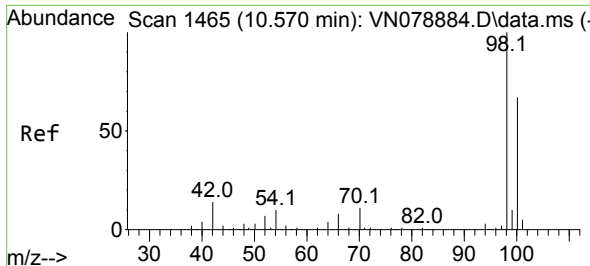
Tgt Ion: 41 Resp: 4273
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 80.2 54.6 81.8



#49
1,4-Dioxane
Concen: 2.535 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 1204615.7 17.0 25.6#
58 5433.1 47.0 70.4#

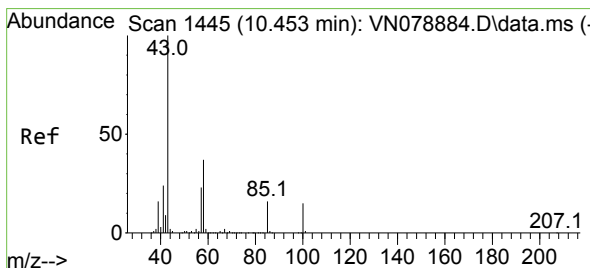
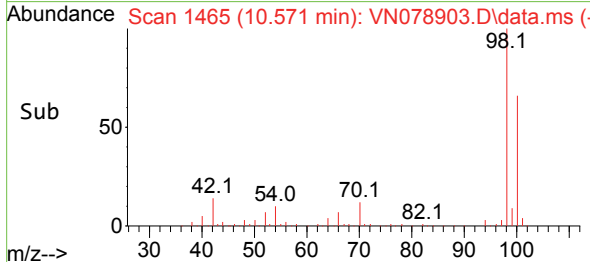
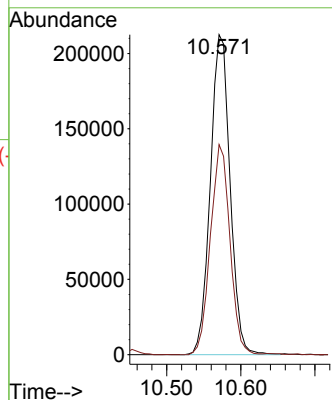
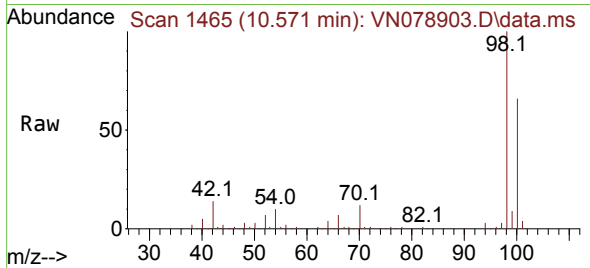




#50
Toluene-d8
Concen: 50.879 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

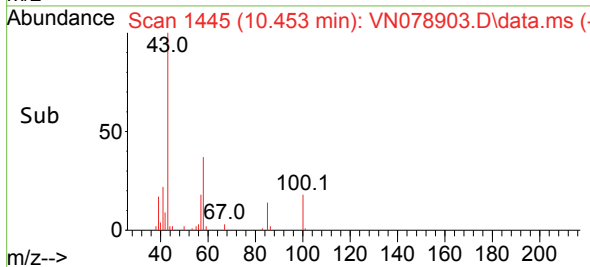
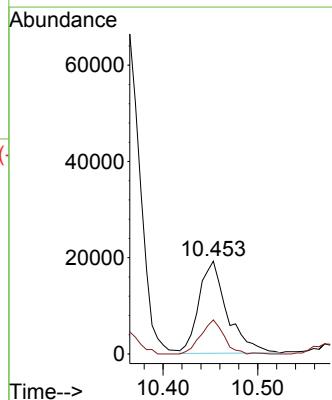
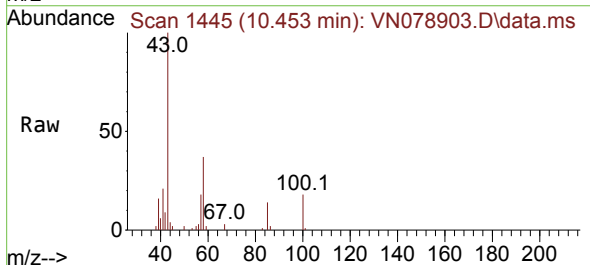
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

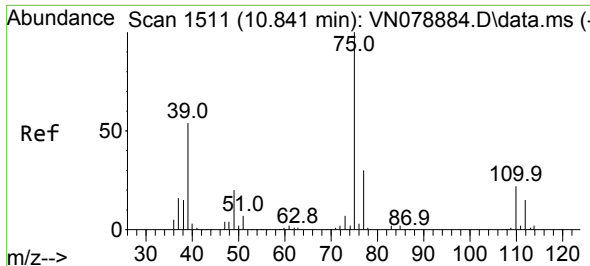
Tgt Ion: 98 Resp: 392771
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 10.831 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 43 Resp: 39729
Ion Ratio Lower Upper
43 100
58 30.3 36.6 54.8#

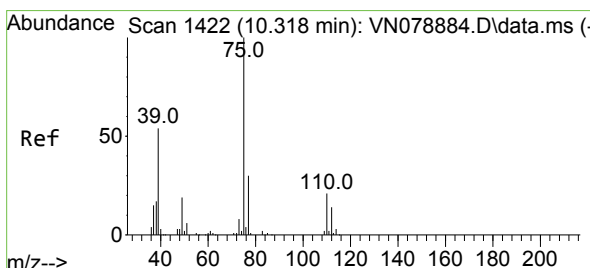
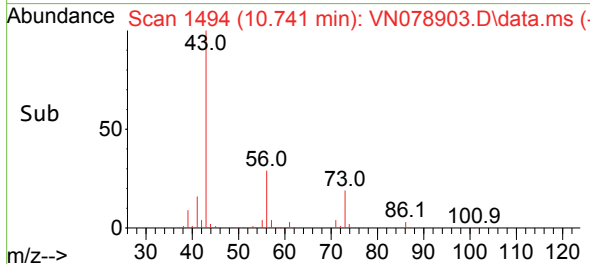
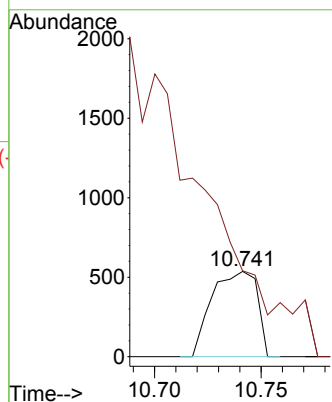
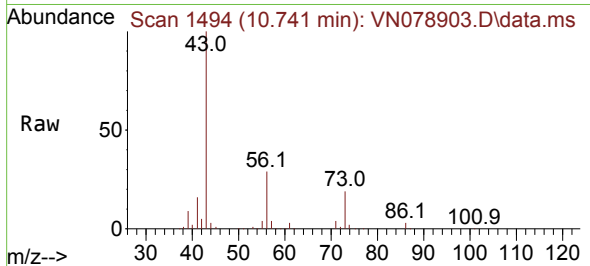




#53
 t-1,3-Dichloropropene
 Concen: 0.222 ug/l
 RT: 10.741 min Scan# 1494
 Delta R.T. -0.100 min
 Lab File: VN078903.D
 Acq: 16 Aug 2023 15:17

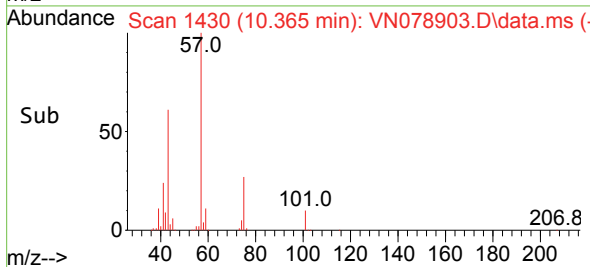
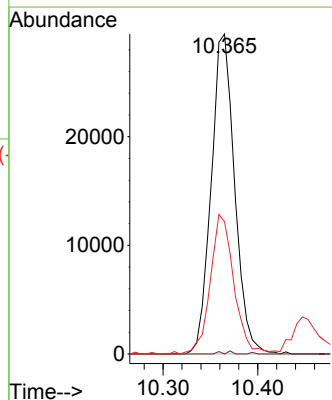
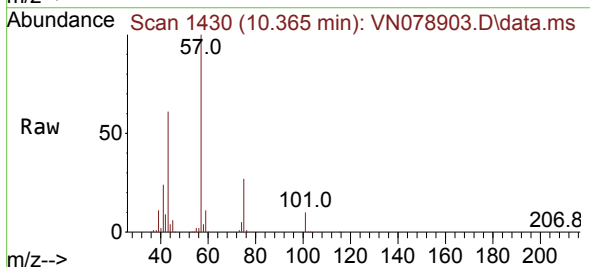
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#06

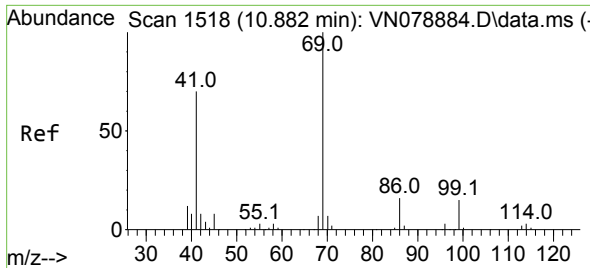
Tgt Ion: 75 Resp: 793
 Ion Ratio Lower Upper
 75 100
 77 37.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 13.018 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078903.D
 Acq: 16 Aug 2023 15:17

Tgt Ion: 75 Resp: 50681
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 41.4 31.6 47.4

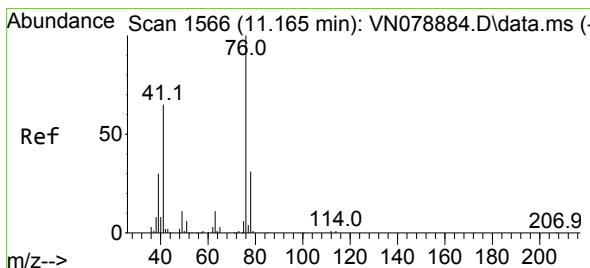
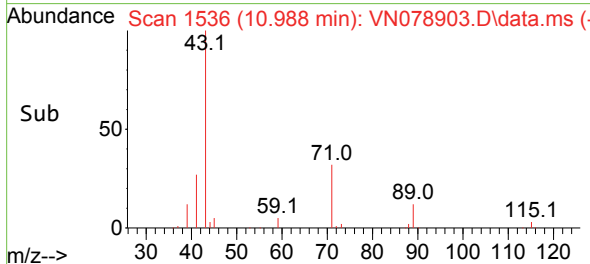
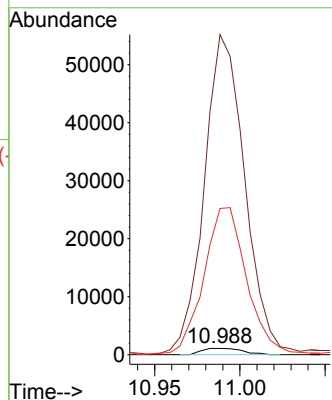
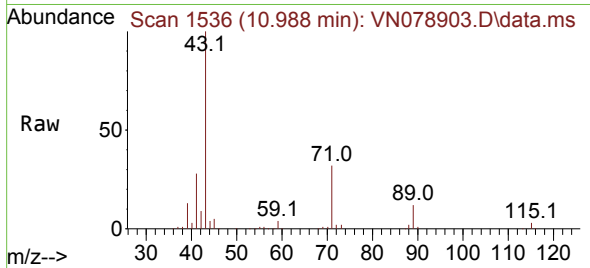




#56
Ethyl methacrylate
Concen: 0.515 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

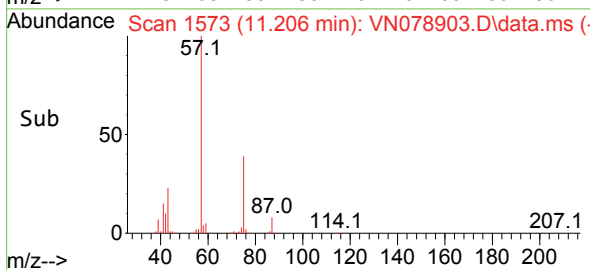
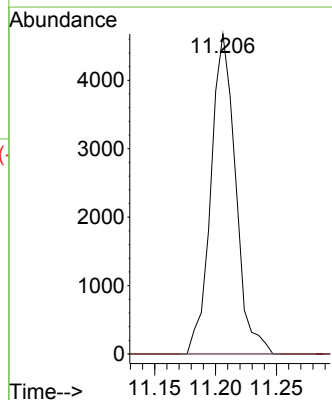
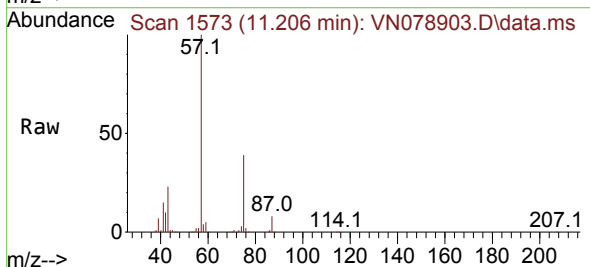
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

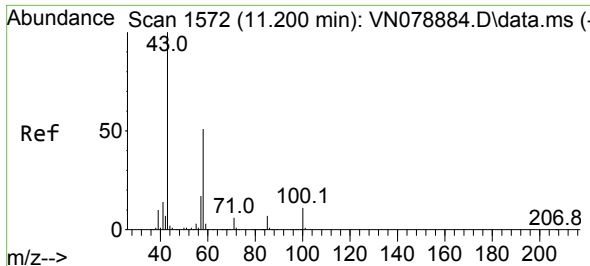
Tgt Ion: 69 Resp: 1815
Ion Ratio Lower Upper
69 100
41 5080.1 39.6 59.4#
39 2464.4 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.620 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 76 Resp: 6594
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

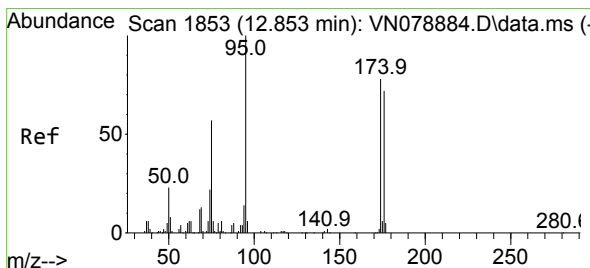
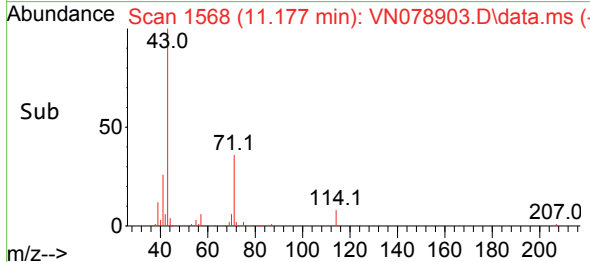
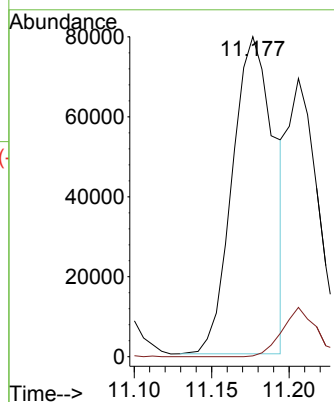
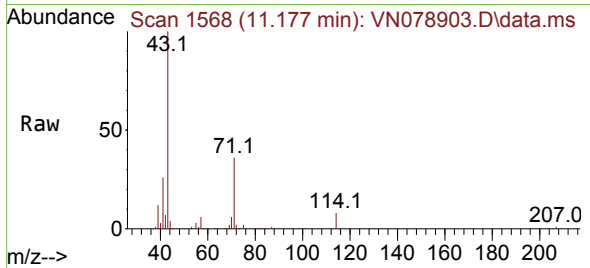




#59
2-Hexanone
Concen: 56.303 ug/l
RT: 11.177 min Scan# 1117
Delta R.T. -0.023 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

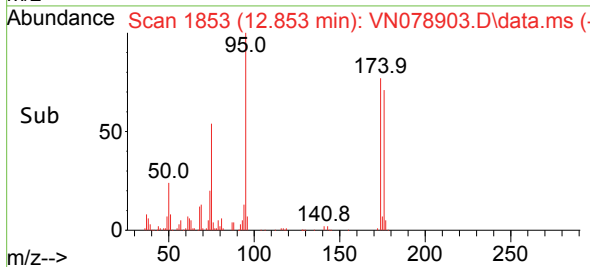
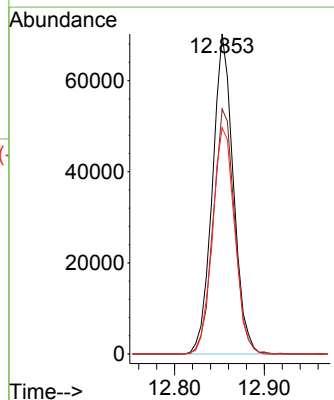
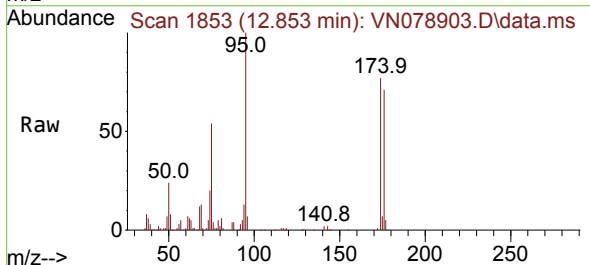
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

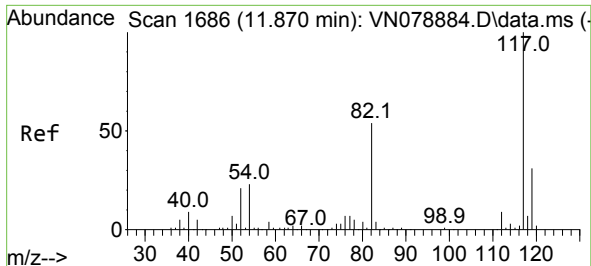
Tgt Ion: 43 Resp: 149587
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.108 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 95 Resp: 113819
Ion Ratio Lower Upper
95 100
174 78.5 0.0 143.8
176 74.8 0.0 135.8

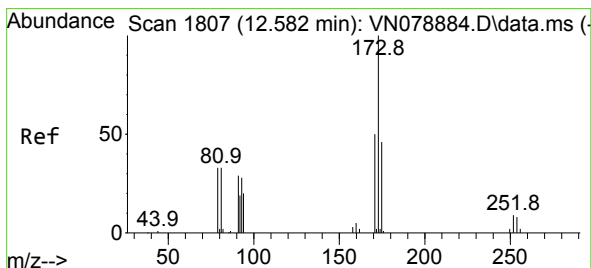
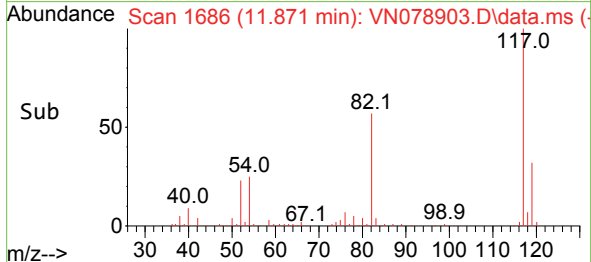
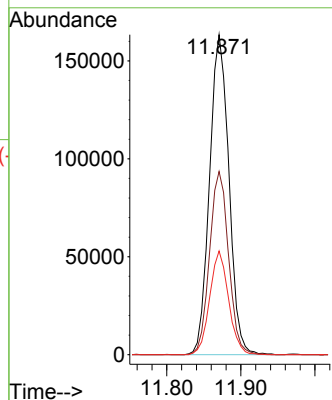
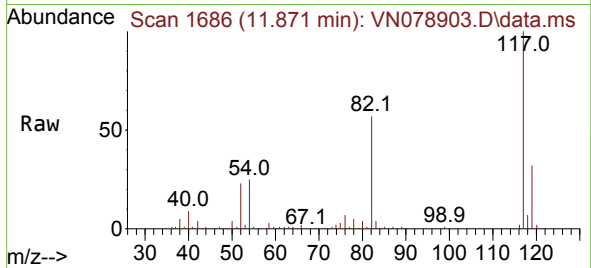




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

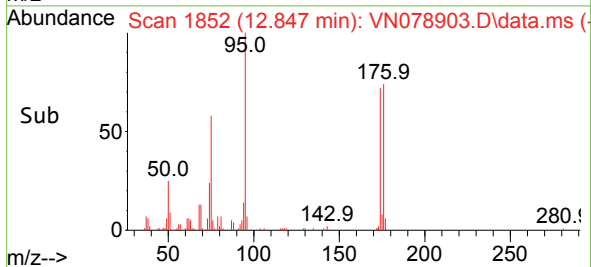
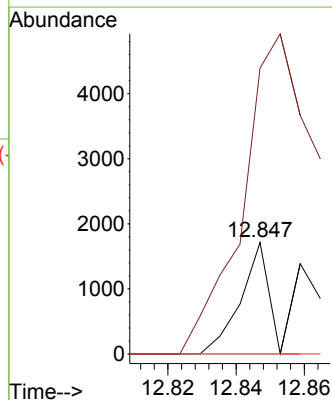
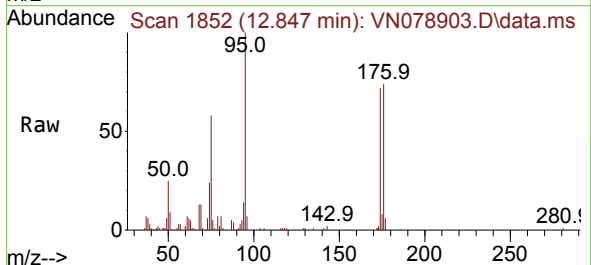
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

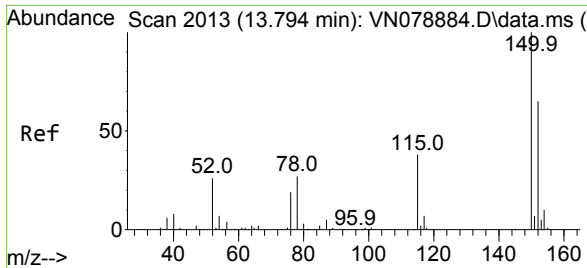
Tgt Ion:117 Resp: 296368
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.561 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion:173 Resp: 973
Ion Ratio Lower Upper
173 100
175 596.9 24.3 73.0#
254 0.0 0.0 0.0

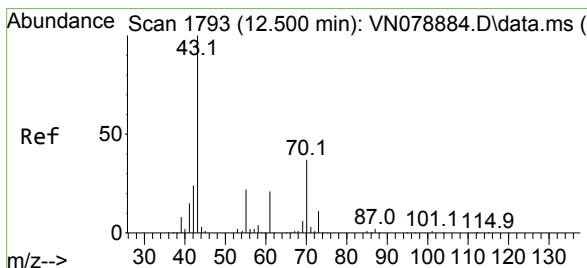
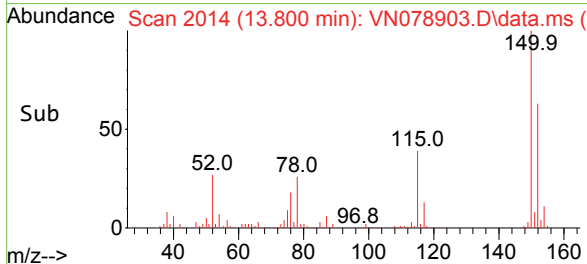
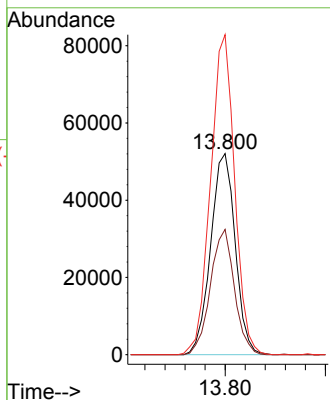
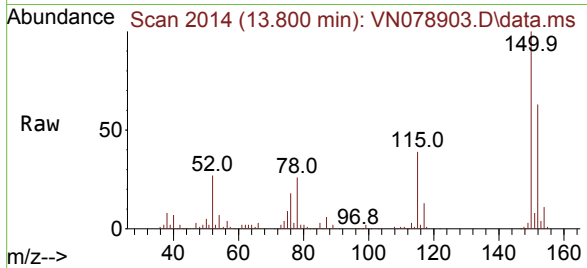




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

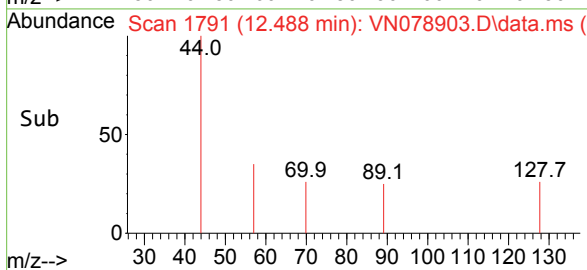
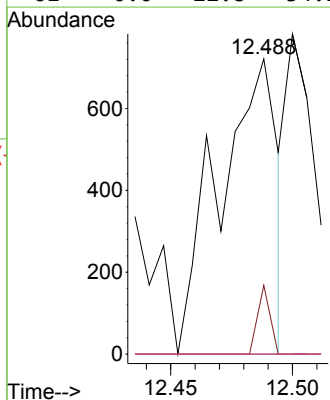
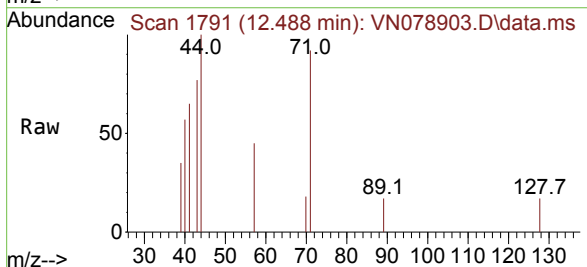
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#06

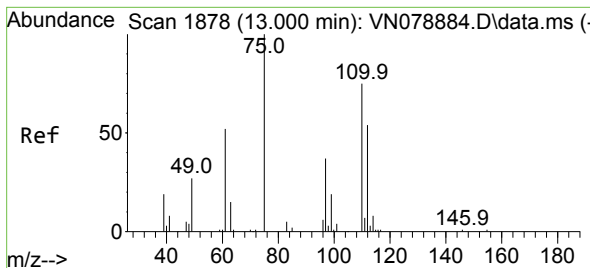
Tgt Ion:152 Resp: 88519
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 155.9 0.0 355.8



#74
N-ethyl acetate
Concen: 0.323 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078903.D
Acq: 16 Aug 2023 15:17

Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
70 4.9 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 30.952 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078903.D

Acq: 16 Aug 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :

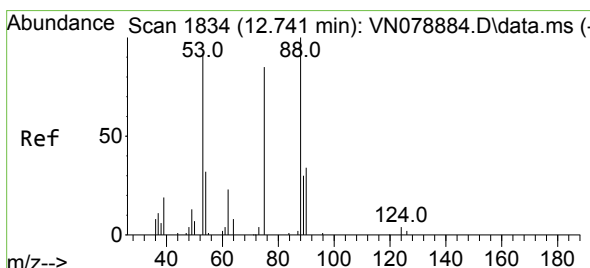
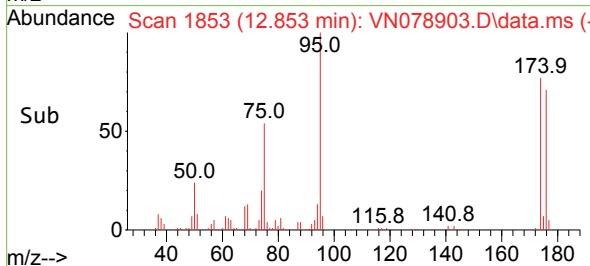
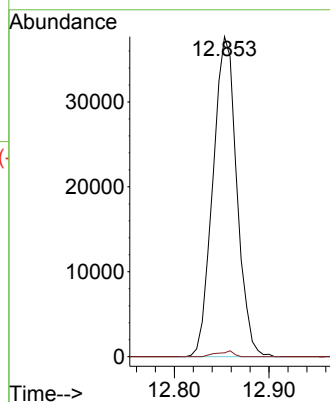
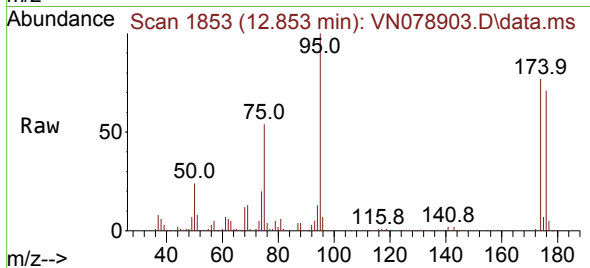
PB154855ZHE#06

Tgt Ion: 75 Resp: 66016

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.068 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078903.D

Acq: 16 Aug 2023 15:17

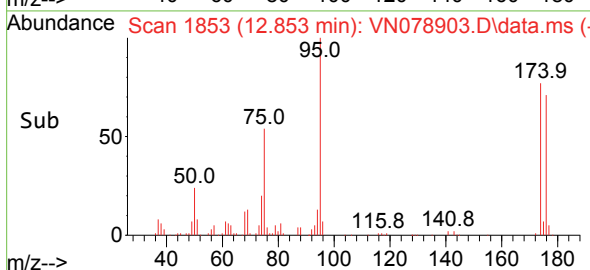
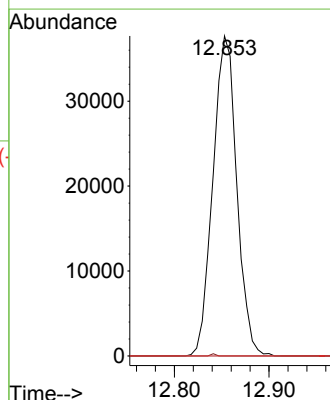
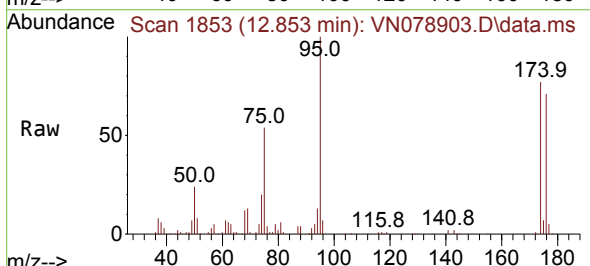
Tgt Ion: 75 Resp: 66016

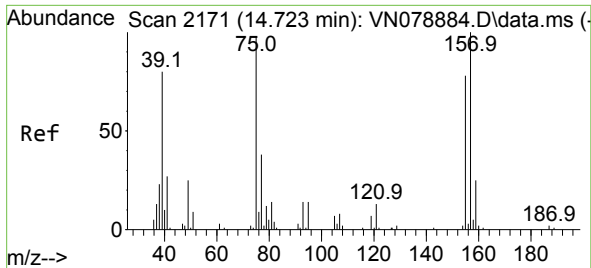
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

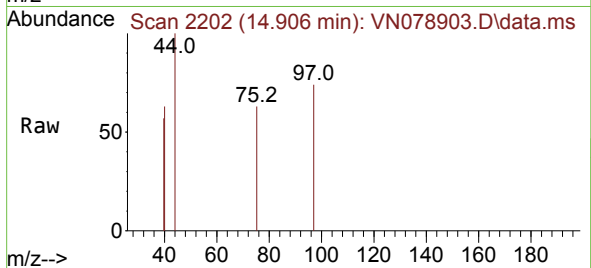
89 0.0 38.8 58.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.906 min Scan# 21
 Delta R.T. 0.183 min
 Lab File: VN078903.D
 Acq: 16 Aug 2023 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#06



Tgt Ion: 75 Resp: 64
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

