

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079545.D
 Acq On : 12 Oct 2023 15:11
 Operator : JC\MD
 Sample : 04844-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:20:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

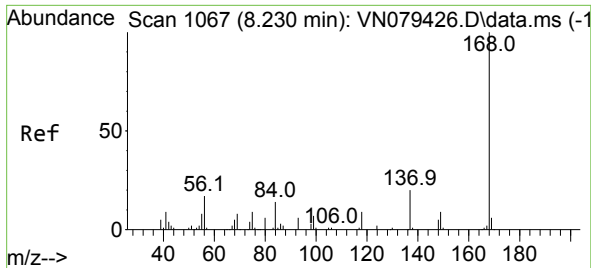
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	248090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	509969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	511471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	212205	52.753	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.500%			
35) Dibromofluoromethane	8.171	113	184995	50.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.571	98	629385	47.464	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.920%			
62) 4-Bromofluorobenzene	12.853	95	211773	49.764	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.520%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	140	0.231	ug/l #	72
16) Acetone	4.442	43	35569	22.293	ug/l #	84
18) Methyl Acetate	5.053	43	3996	0.512	ug/l #	61
20) Methylene Chloride	5.277	84	15105	3.767	ug/l #	80
25) 2-Butanone	7.494	43	6985	2.950	ug/l #	63
29) Tetrahydrofuran	7.859	42	599	0.391	ug/l #	20
31) Cyclohexane	8.235	56	6820	1.195	ug/l #	58
36) 1,1-Dichloropropene	8.230	75	22622	4.113	ug/l #	49
38) Carbon Tetrachloride	8.230	117	26765	4.861	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1573	0.265	ug/l #	73
43) Isopropyl Acetate	8.694	43	233760	24.379	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1926	0.447	ug/l #	45
48) Methyl methacrylate	9.671	41	5138	1.250	ug/l #	34
49) 1,4-Dioxane	9.741	88	254	3.356	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	25251	4.665	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	60244	9.524	ug/l #	71
56) Ethyl methacrylate	10.982	69	2687	0.507	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7714	1.157	ug/l #	42
59) 2-Hexanone	11.176	43	160187	41.012	ug/l #	19
71) Bromoform	12.841	173	1897	0.621	ug/l #	1
74) N-amyl acetate	12.488	43	1719	0.274	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.859	83	241	Below Cal	#	13
76) 1,2,3-Trichloropropane	12.853	75	117648	24.767	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117648	71.862	ug/l #	15

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

Quant Time: Oct 13 01:20:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration

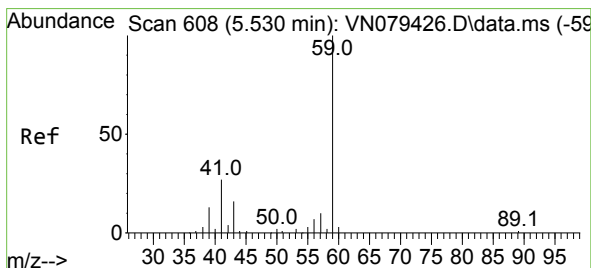
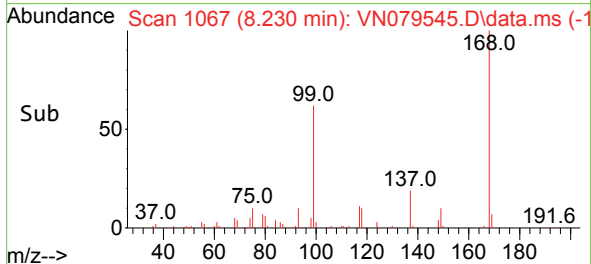
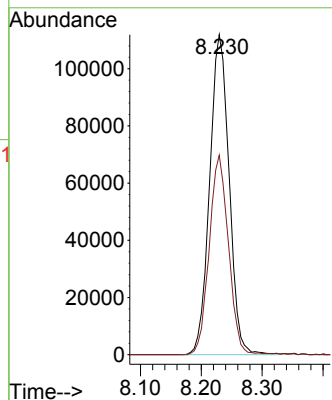
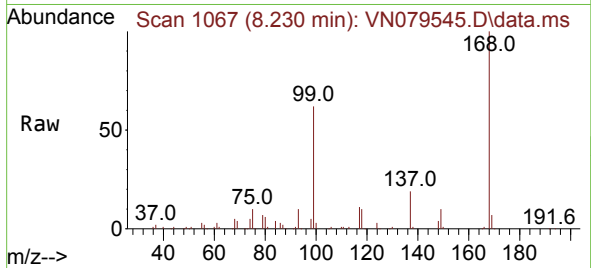




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

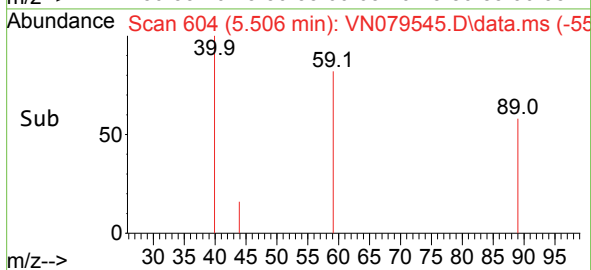
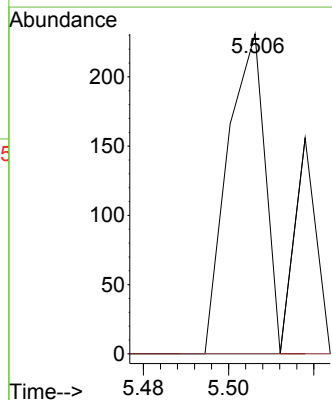
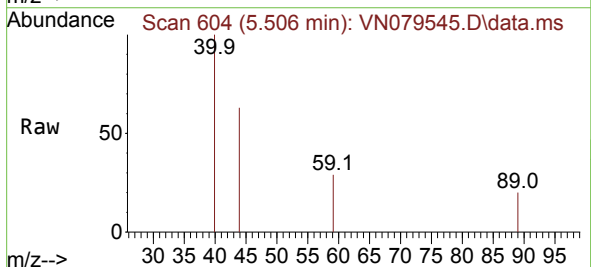
Instrument :
MSVOA_N
ClientSampleId :

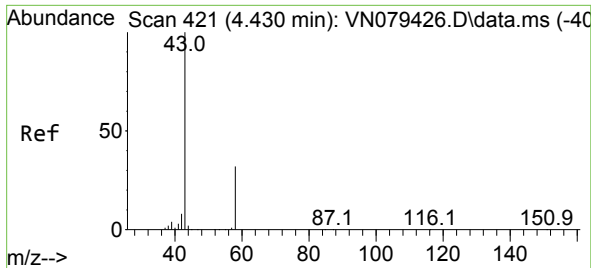
Tgt Ion:168 Resp: 248090
Ion Ratio Lower Upper
168 100
99 62.4 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.231 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

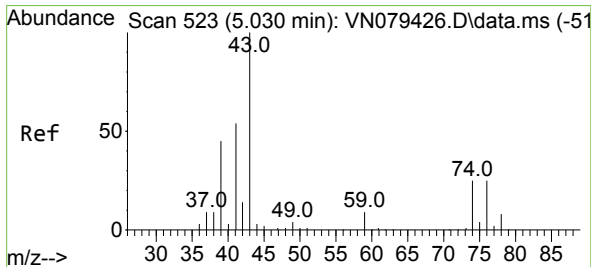
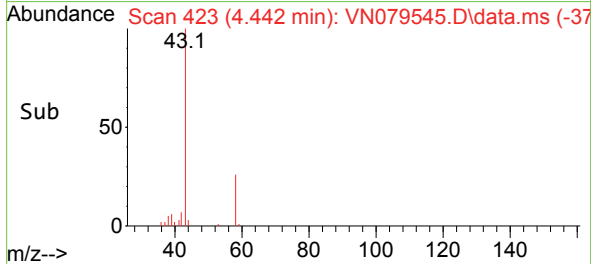
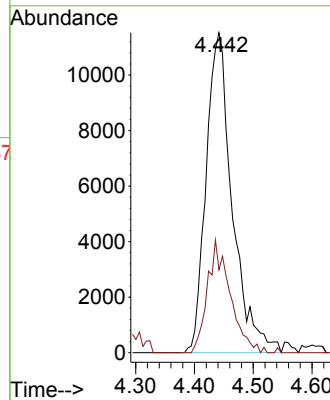
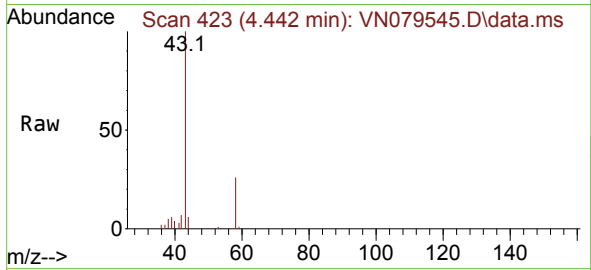




#16
Acetone
Concen: 22.293 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

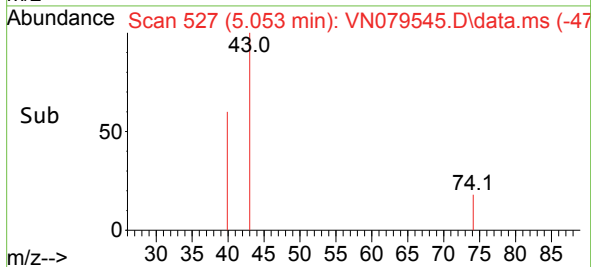
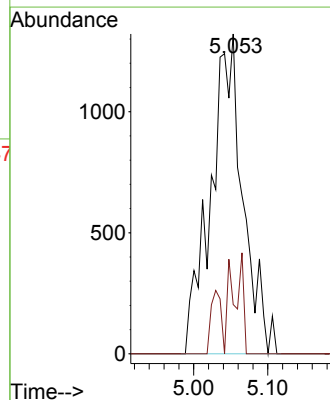
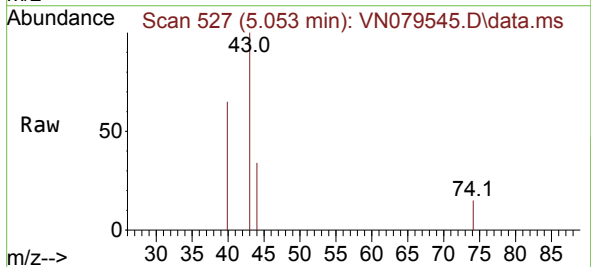
Instrument :
MSVOA_N
ClientSampleId :

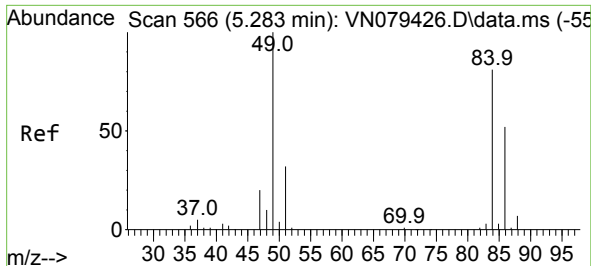
Tgt Ion: 43 Resp: 35569
Ion Ratio Lower Upper
43 100
58 26.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.512 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.024 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

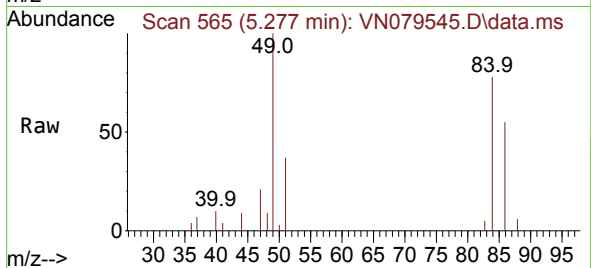
Tgt Ion: 43 Resp: 3996
Ion Ratio Lower Upper
43 100
74 10.6 26.2 39.4#



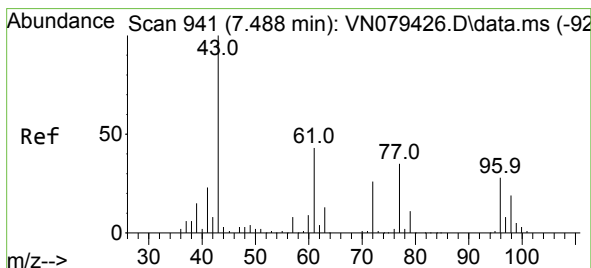
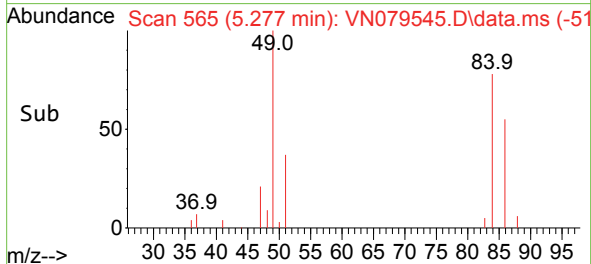
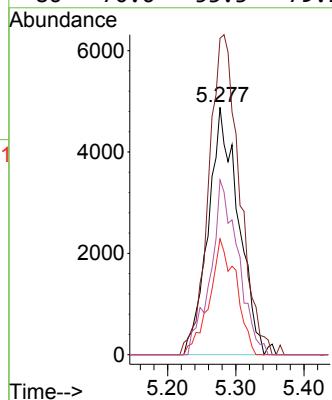


#20
Methylene Chloride
Concen: 3.767 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

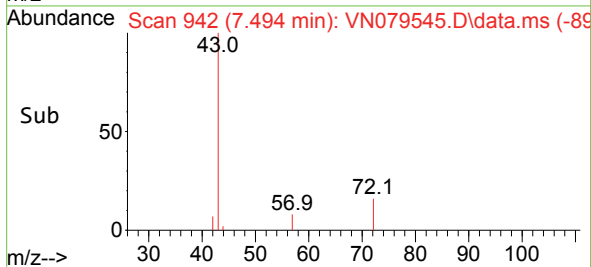
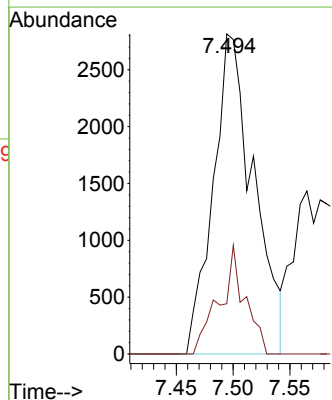
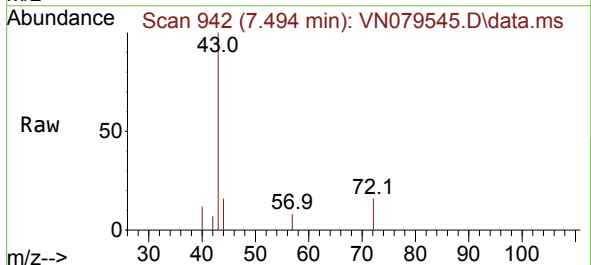


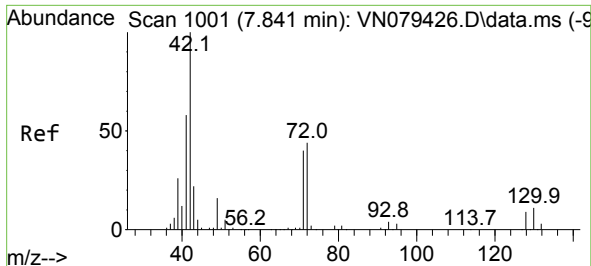
Tgt Ion:	84	Resp:	15105
Ion	Ratio	Lower	Upper
84	100		
49	127.9	79.7	119.5#
51	46.8	25.2	37.8#
86	70.6	53.3	79.9



#25
2-Butanone
Concen: 2.950 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

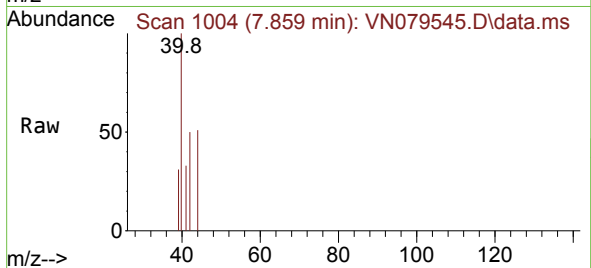
Tgt Ion:	43	Resp:	6985
Ion	Ratio	Lower	Upper
43	100		
72	15.7	30.2	45.2#



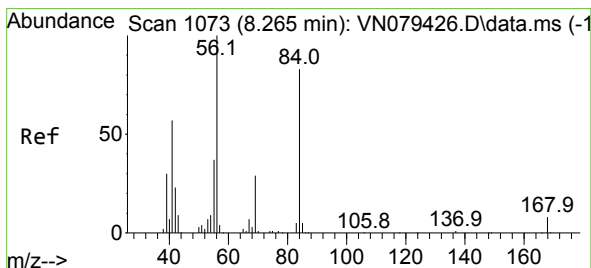
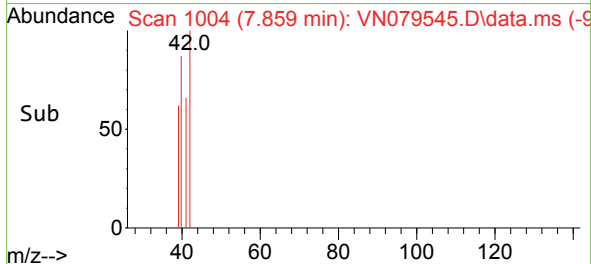
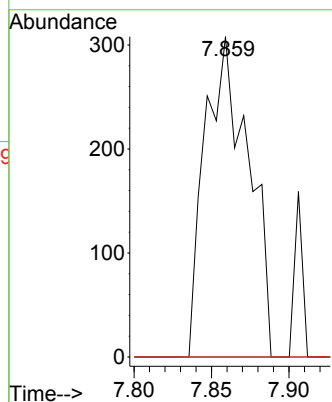


#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

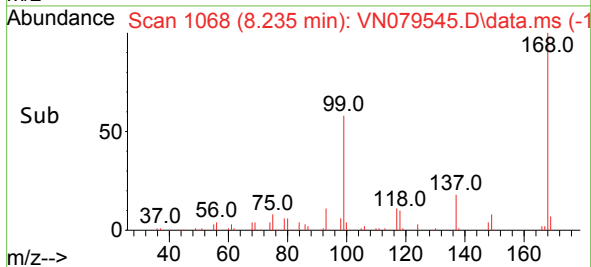
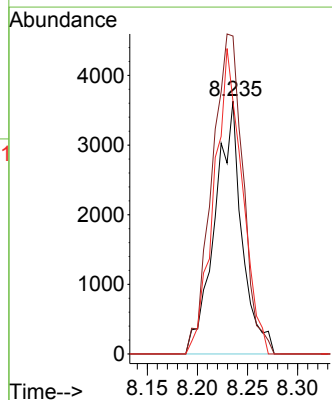
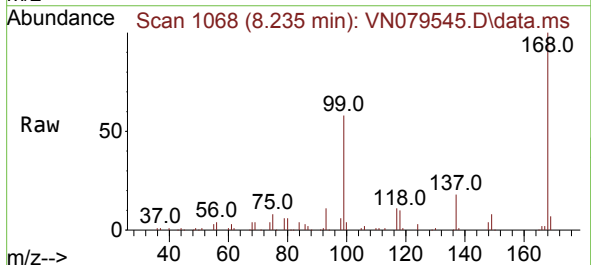


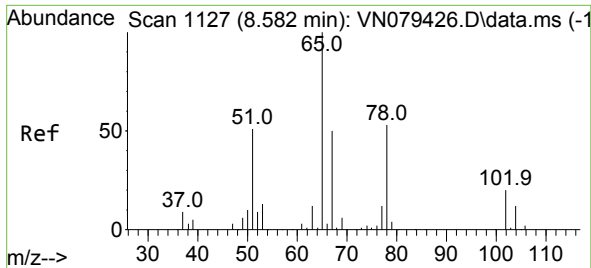
Tgt Ion: 42 Resp: 599
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion: 56 Resp: 6820
Ion Ratio Lower Upper
56 100
69 125.7 26.8 40.2#
84 99.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.753 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079545.D

Acq: 12 Oct 2023 15:11

Instrument :

MSVOA_N

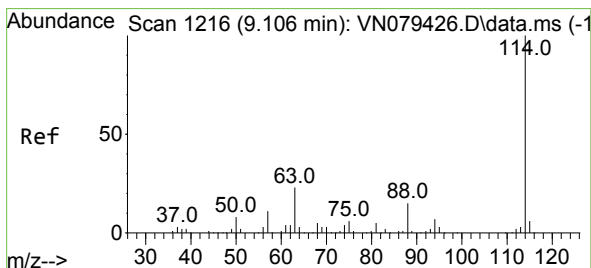
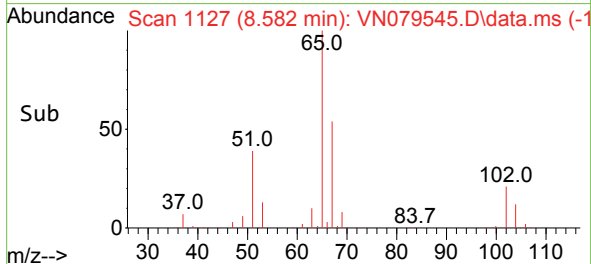
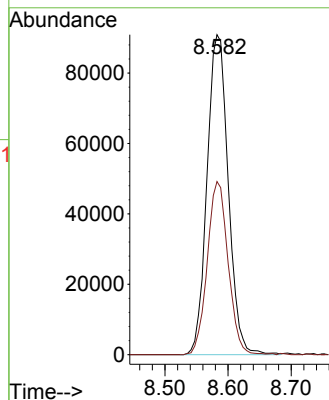
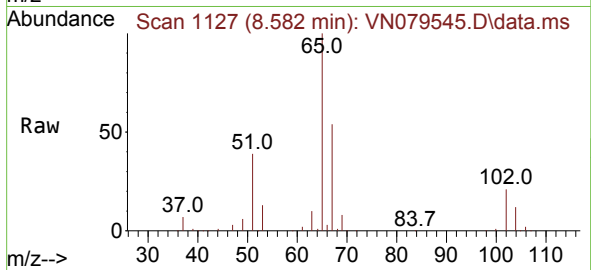
ClientSampleId :

Tgt Ion: 65 Resp: 212205

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079545.D

Acq: 12 Oct 2023 15:11

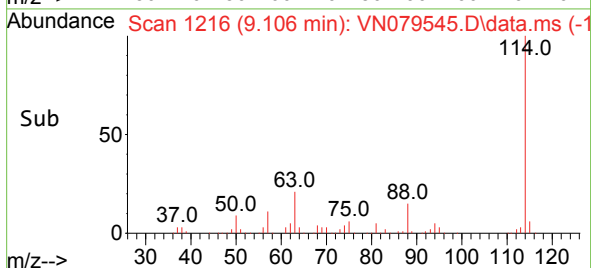
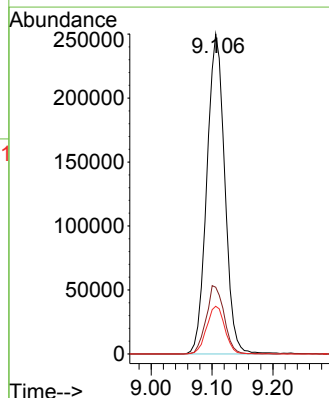
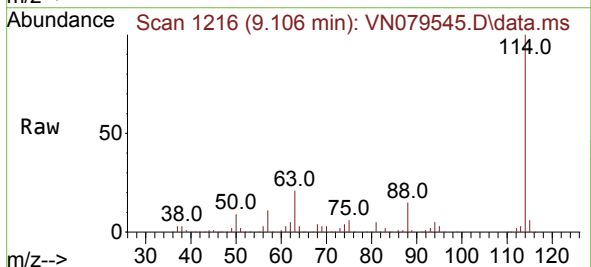
Tgt Ion: 114 Resp: 509969

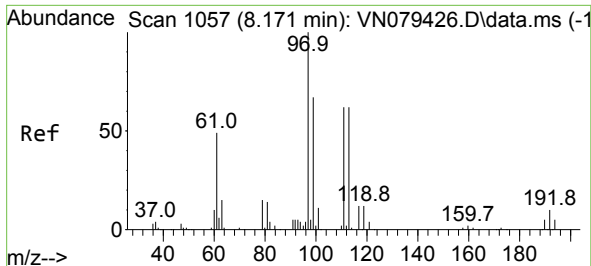
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.479 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

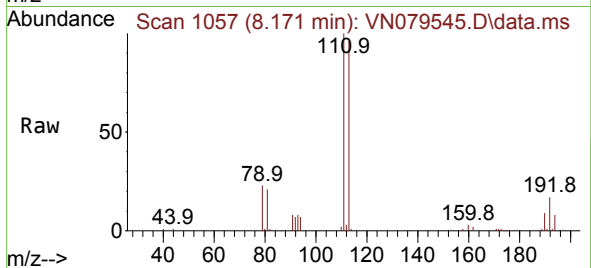
Lab File: VN079545.D

Acq: 12 Oct 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :



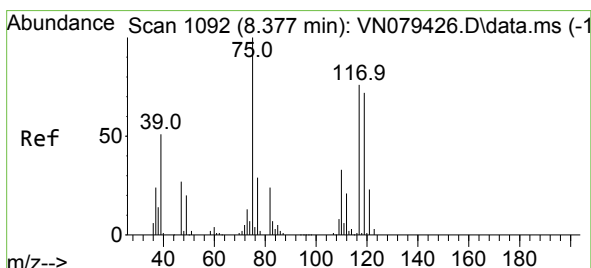
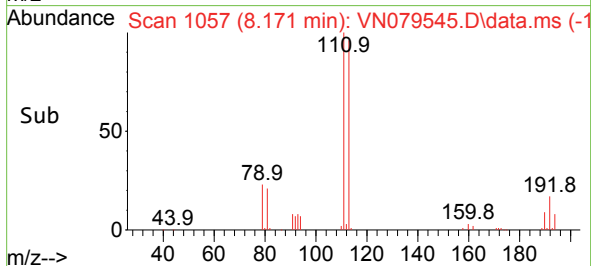
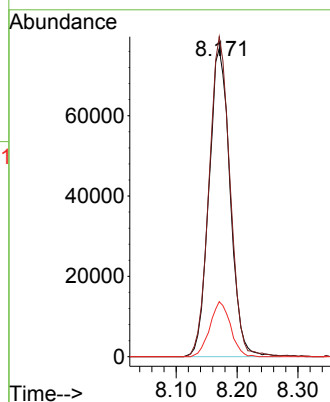
Tgt Ion:113 Resp: 184995

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.113 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079545.D

Acq: 12 Oct 2023 15:11

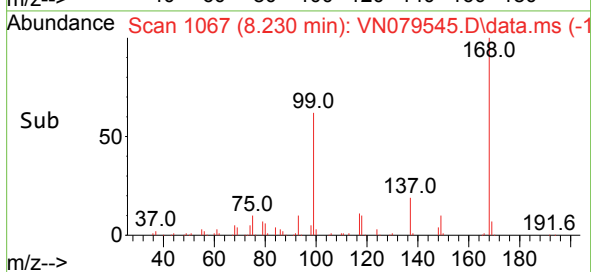
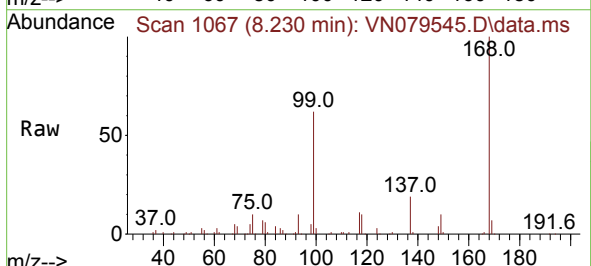
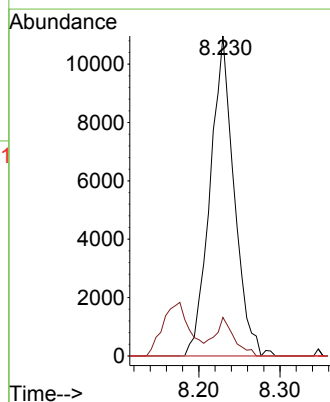
Tgt Ion: 75 Resp: 22622

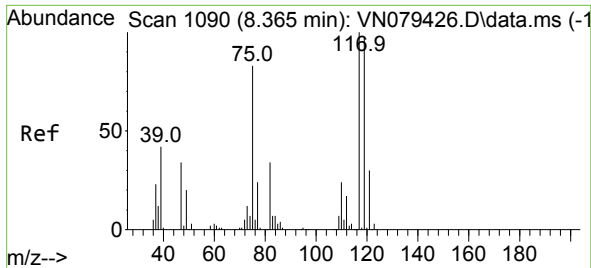
Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

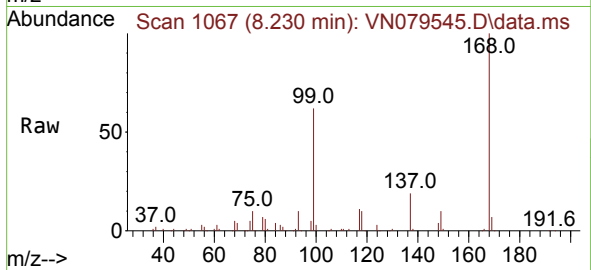
77 0.0 25.0 37.4#



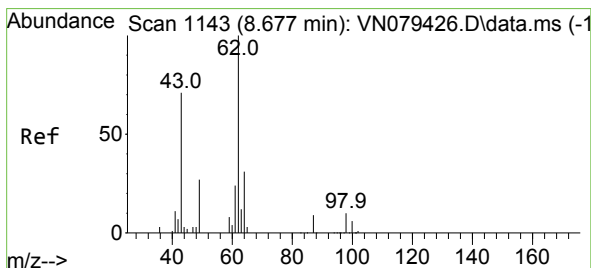
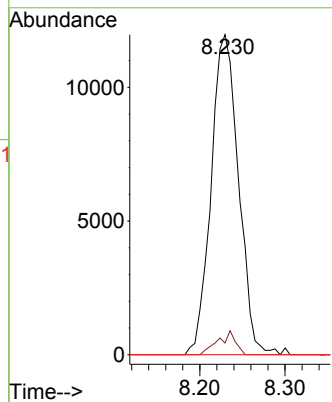
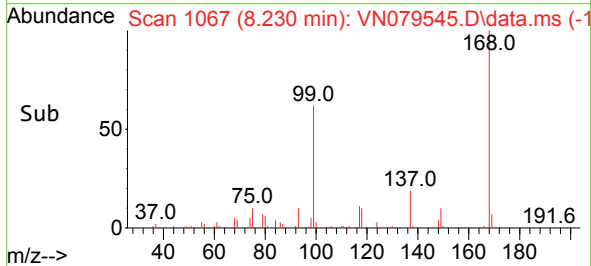


#38
Carbon Tetrachloride
Concen: 4.861 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

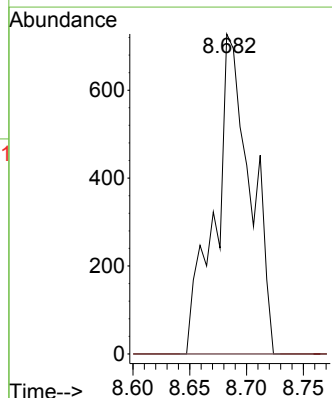
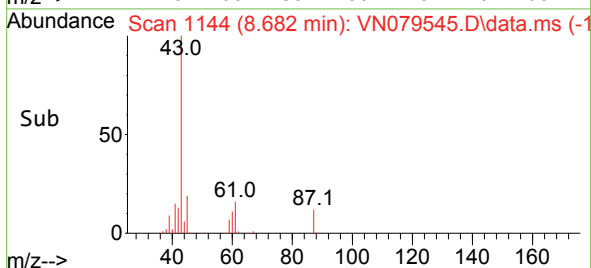
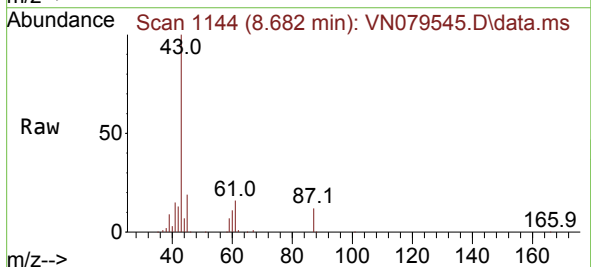


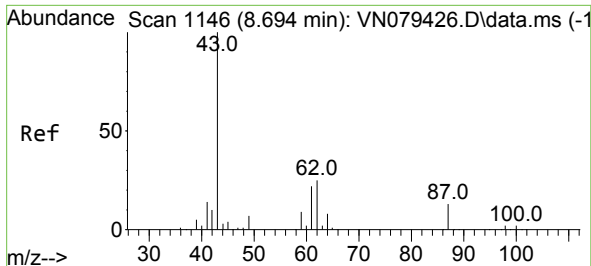
Tgt Ion:117 Resp: 26765
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.265 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion: 62 Resp: 1573
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

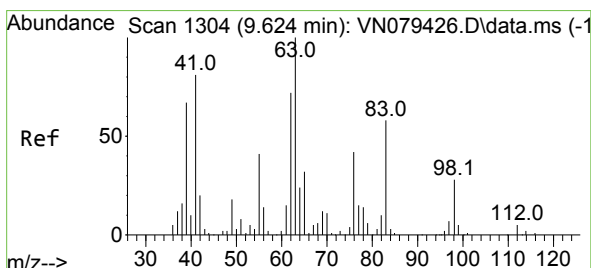
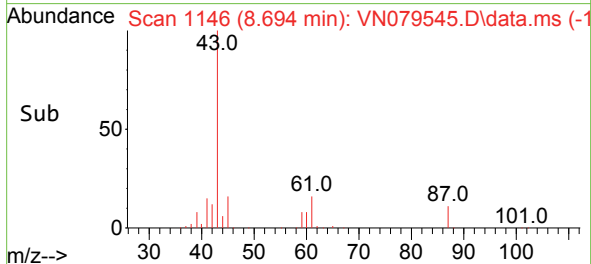
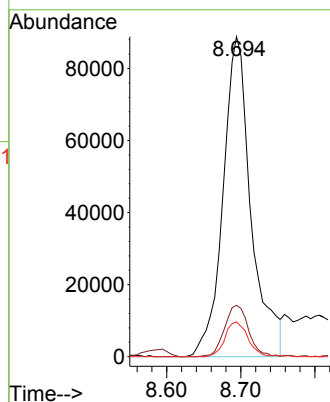
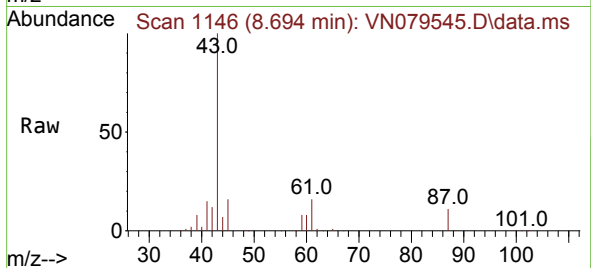




#43
Isopropyl Acetate
Concen: 24.379 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

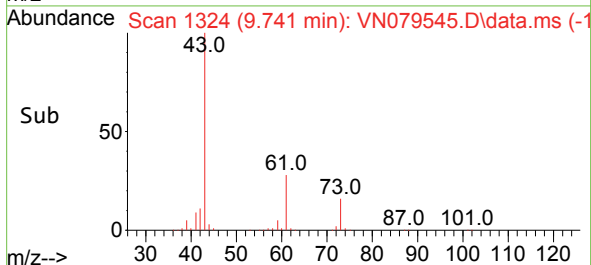
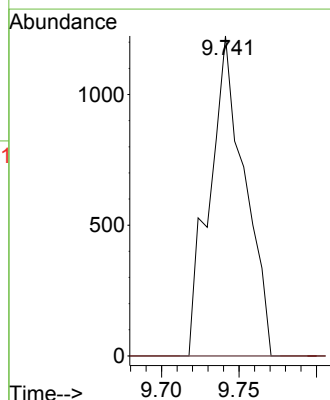
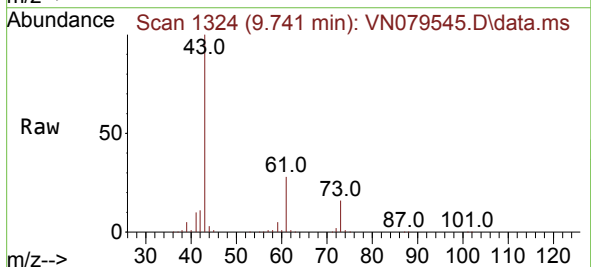
Instrument :
MSVOA_N
ClientSampleId :

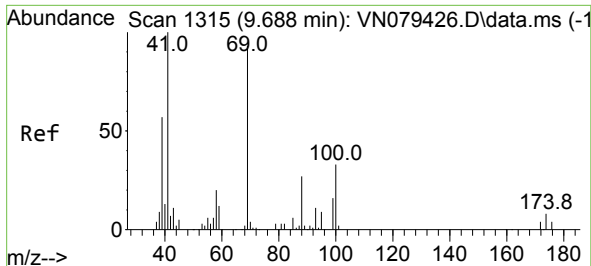
Tgt Ion: 43 Resp: 233760
Ion Ratio Lower Upper
43 100
61 13.7 24.7 37.1#
87 9.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.447 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

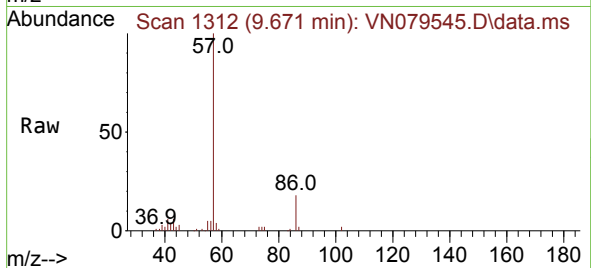
Tgt Ion: 63 Resp: 1926
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



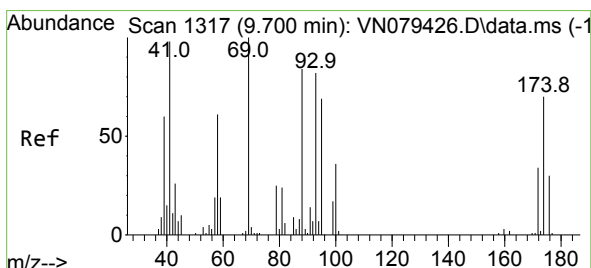
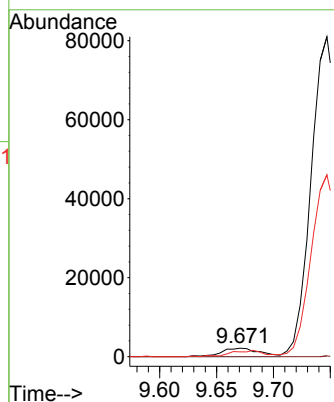
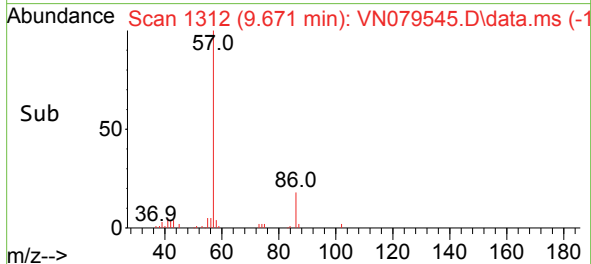


#48
Methyl methacrylate
Concen: 1.250 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

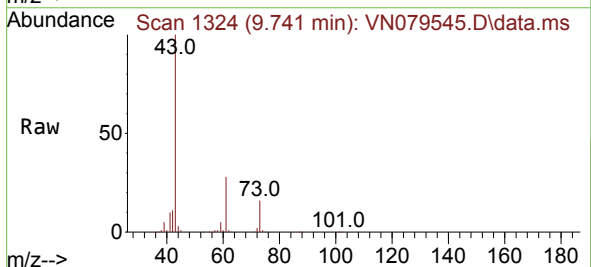
Instrument :
MSVOA_N
ClientSampleId :



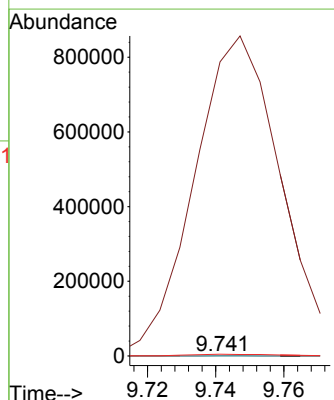
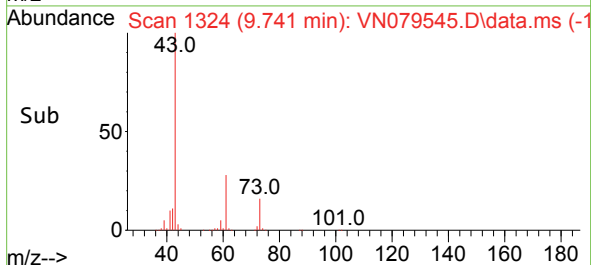
Tgt Ion: 41 Resp: 5138
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 66.8 54.6 81.8

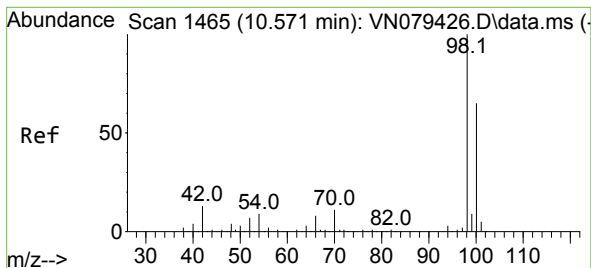


#49
1,4-Dioxane
Concen: 3.356 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11



Tgt Ion: 88 Resp: 254
Ion Ratio Lower Upper
88 100
43 607489.0 17.0 25.6#
58 3452.8 47.0 70.4#

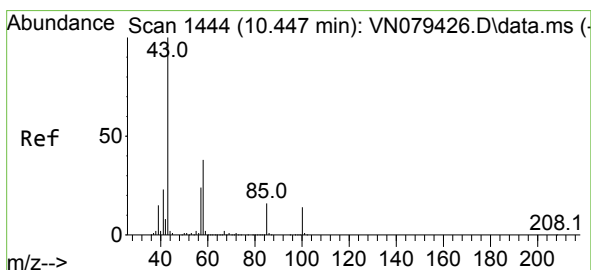
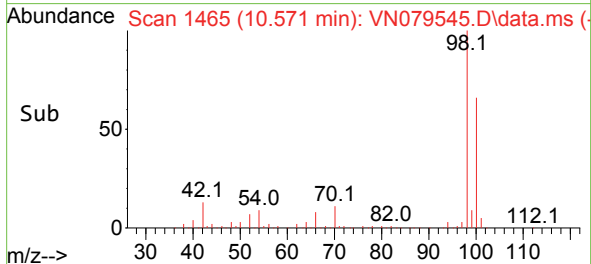
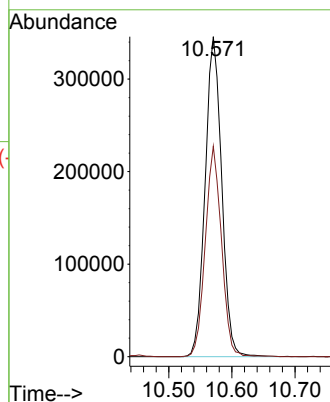
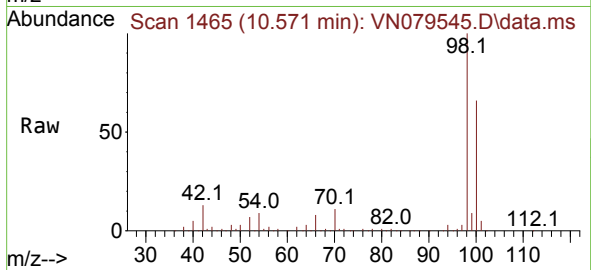




#50
Toluene-d8
Concen: 47.464 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

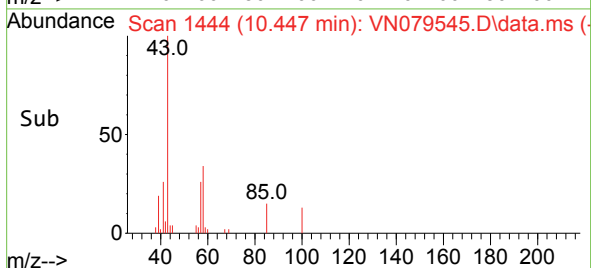
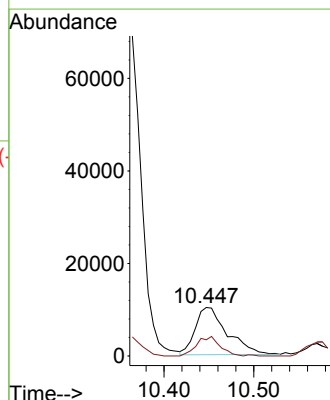
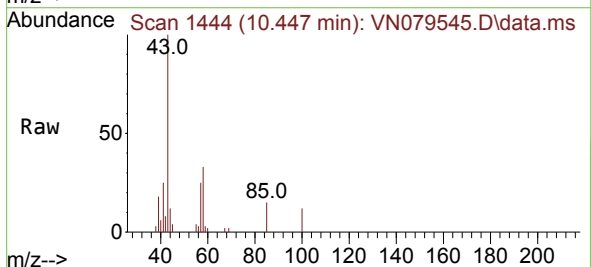
Instrument :
MSVOA_N
ClientSampleId :

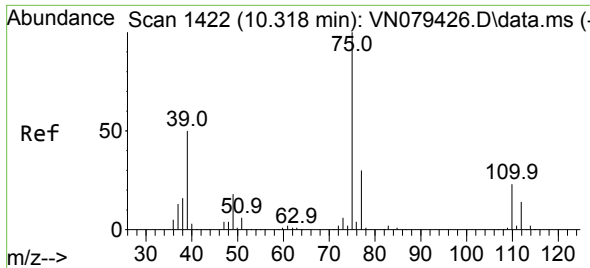
Tgt Ion: 98 Resp: 629385
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.665 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion: 43 Resp: 25251
Ion Ratio Lower Upper
43 100
58 30.0 36.6 54.8#

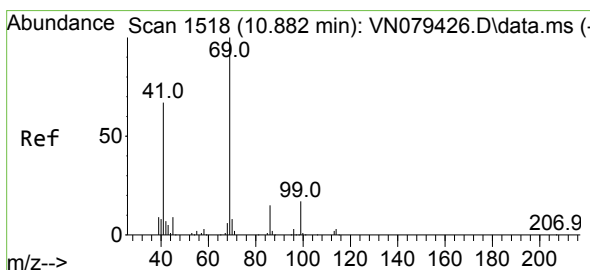
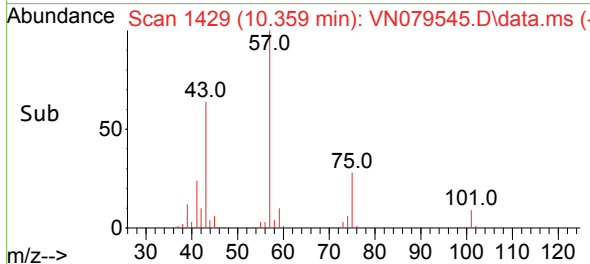
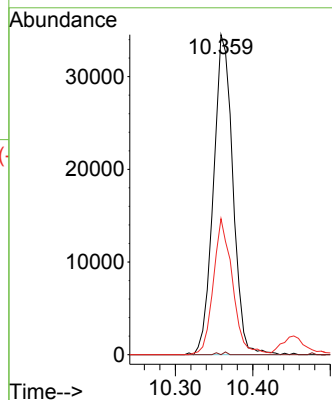
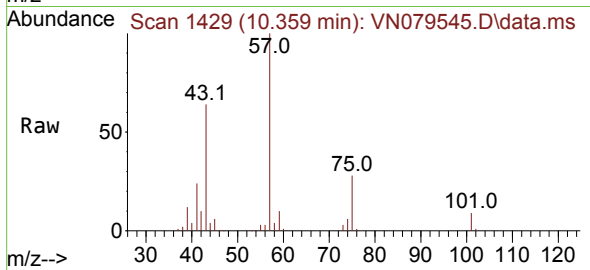




#54
 cis-1,3-Dichloropropene
 Concen: 9.524 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079545.D
 Acq: 12 Oct 2023 15:11

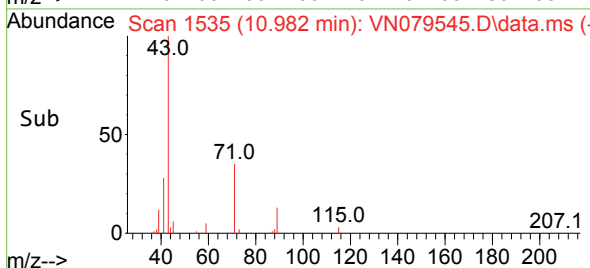
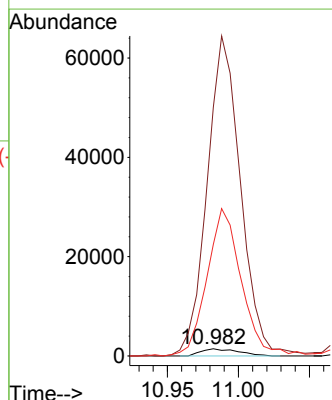
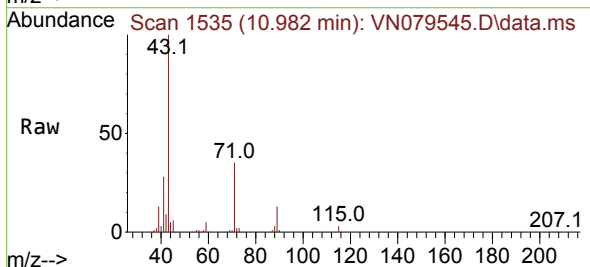
Instrument :
 MSVOA_N
 ClientSampleId :

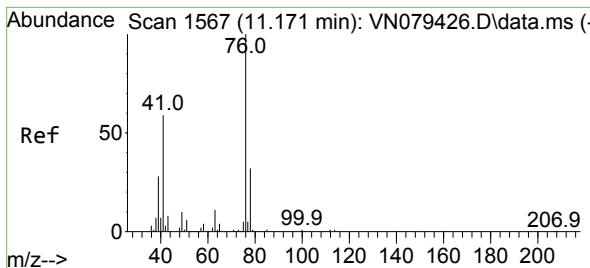
Tgt Ion: 75 Resp: 60244
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 42.5 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.507 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.100 min
 Lab File: VN079545.D
 Acq: 12 Oct 2023 15:11

Tgt Ion: 69 Resp: 2687
 Ion Ratio Lower Upper
 69 100
 41 3930.9 39.6 59.4#
 39 1862.3 28.6 43.0#

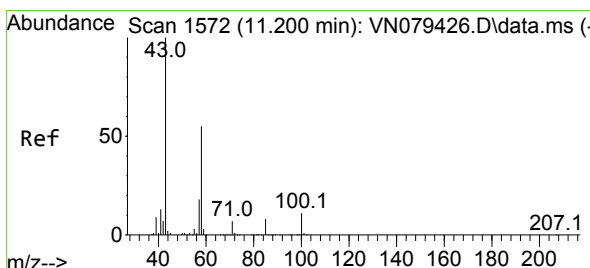
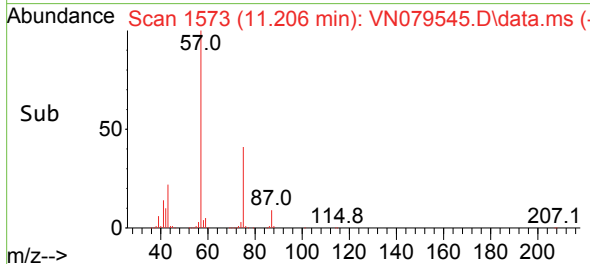
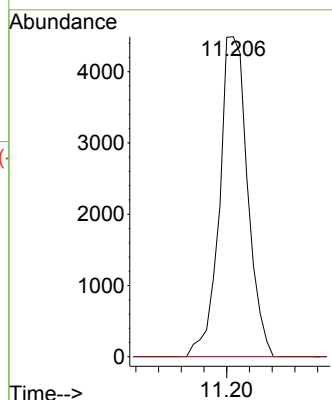
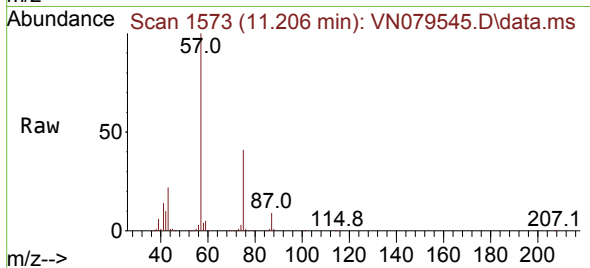




#57
1,3-Dichloropropane
Concen: 1.157 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

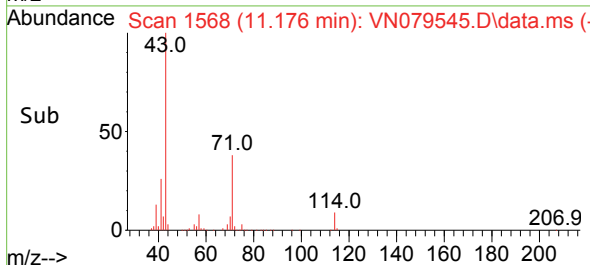
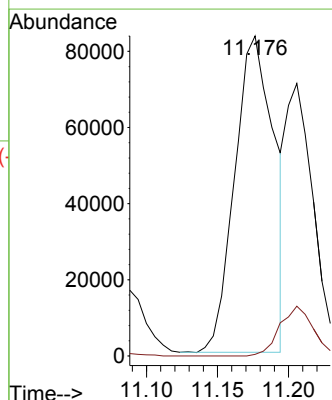
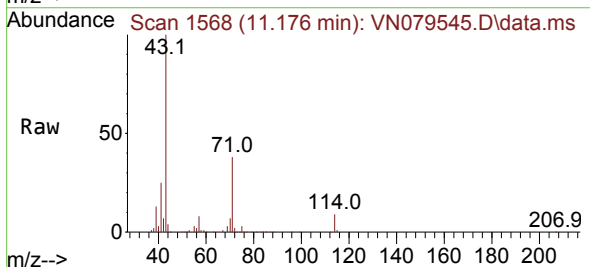
Instrument :
MSVOA_N
ClientSampleId :

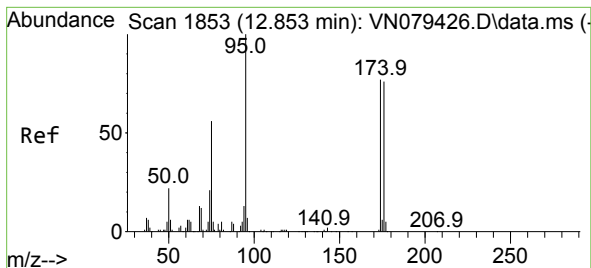
Tgt Ion: 76 Resp: 7714
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 41.012 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion: 43 Resp: 160187
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

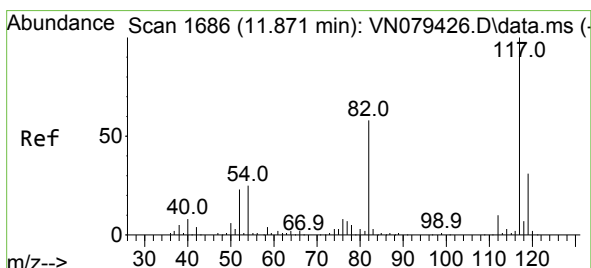
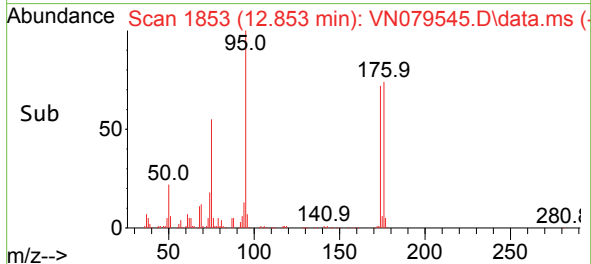
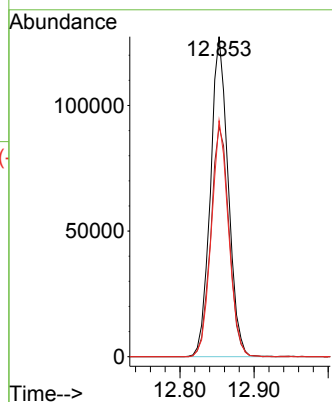
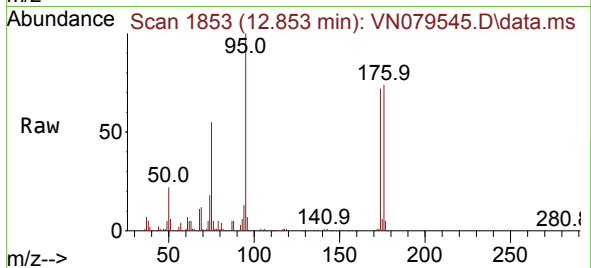




#62
4-Bromofluorobenzene
Concen: 49.764 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

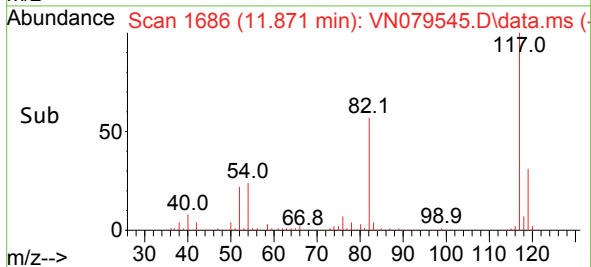
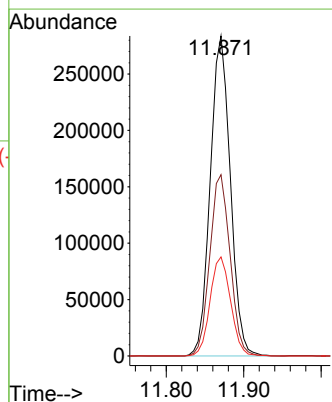
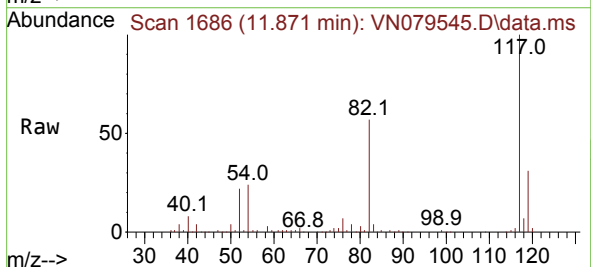
Instrument :
MSVOA_N
ClientSampleId :

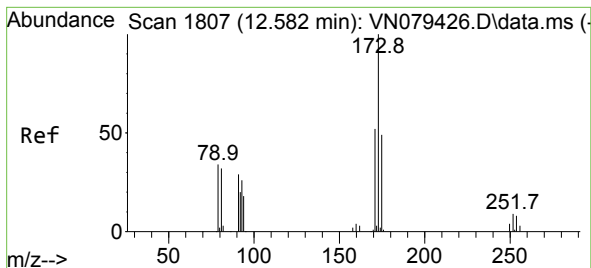
Tgt Ion: 95 Resp: 211773
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 71.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion: 117 Resp: 511471
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 31.0 25.6 38.4





#71

Bromoform

Concen: 0.621 ug/l

RT: 12.841 min Scan# 1807

Delta R.T. 0.259 min

Lab File: VN079545.D

Acq: 12 Oct 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

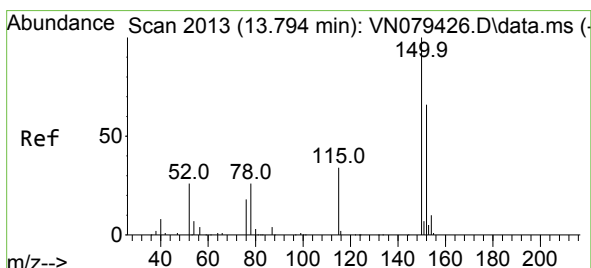
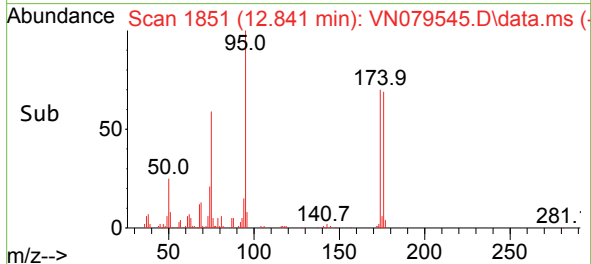
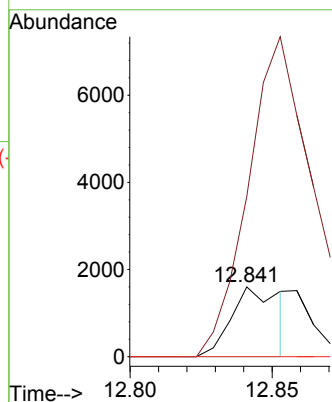
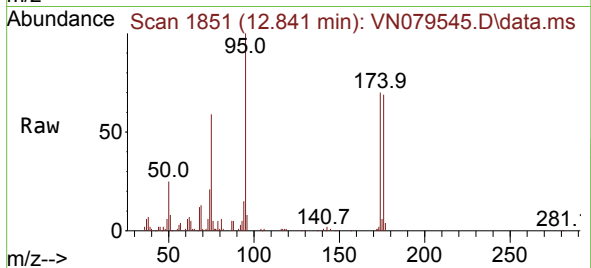
Tgt Ion:173 Resp: 1897

Ion Ratio Lower Upper

173 100

175 467.7 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079545.D

Acq: 12 Oct 2023 15:11

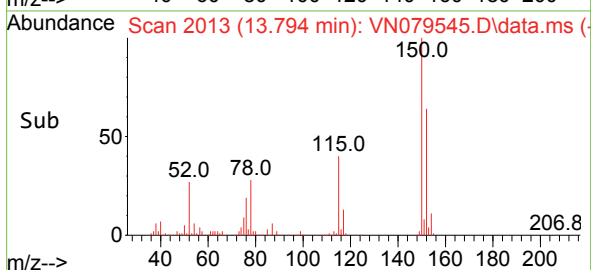
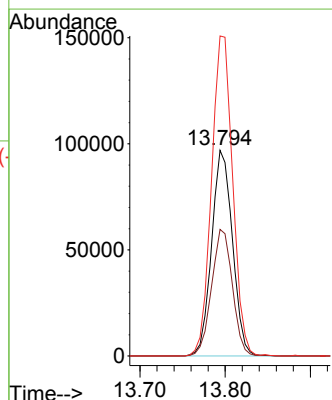
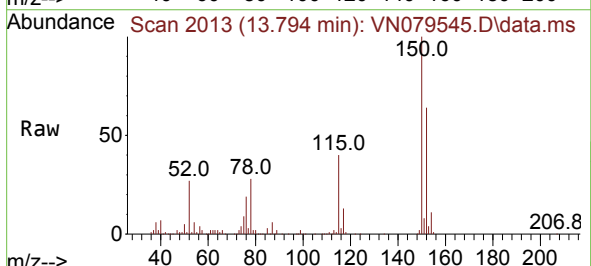
Tgt Ion:152 Resp: 164752

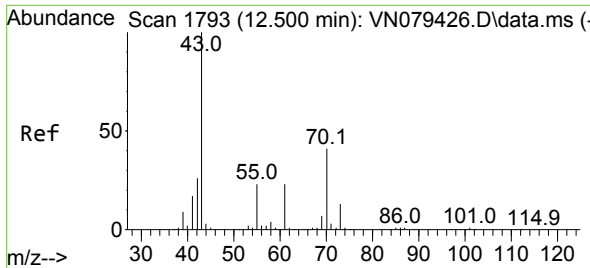
Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

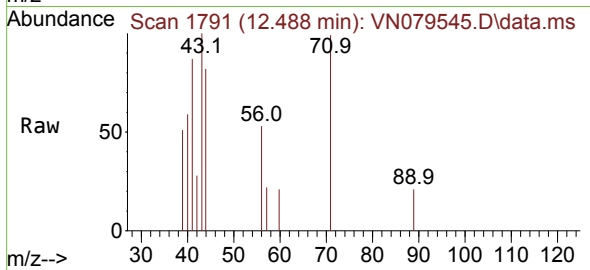
150 157.8 0.0 355.8



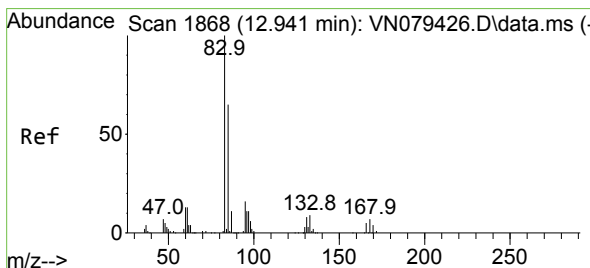
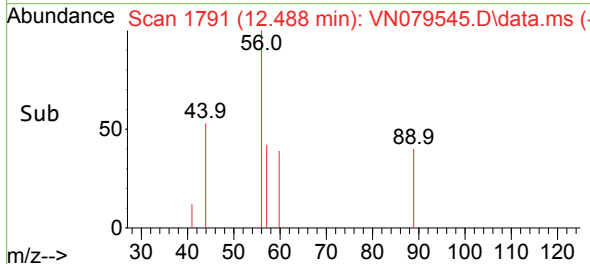
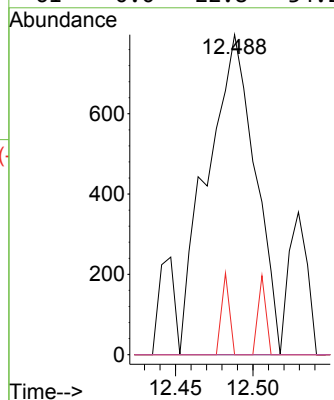


#74
N-amy1 acetate
Concen: 0.274 ug/l
RT: 12.488 min Scan# 1719
Delta R.T. -0.012 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

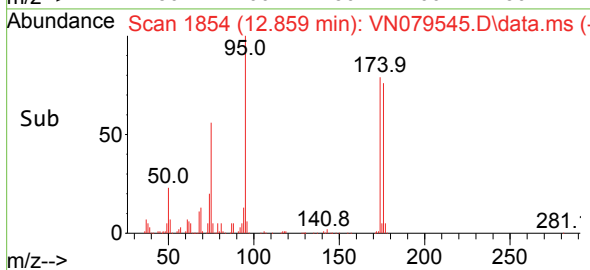
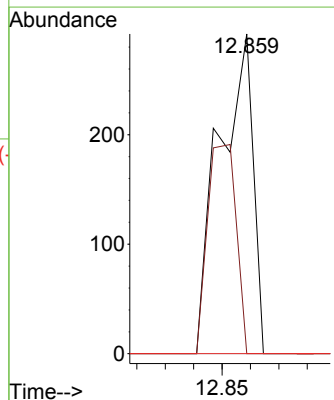
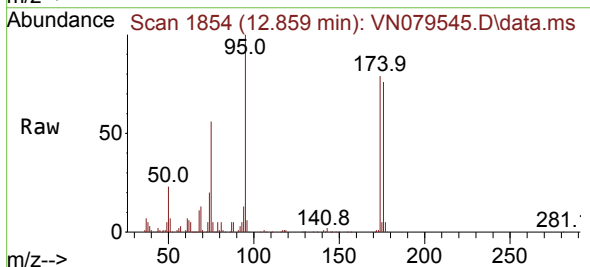


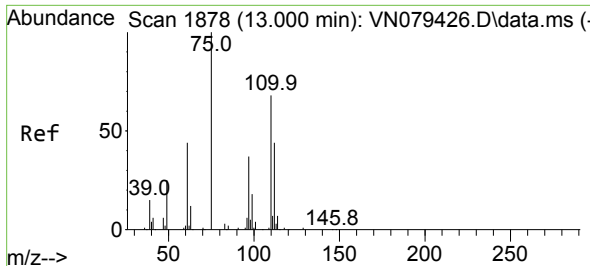
Tgt Ion:	43	Resp:	1719
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	4.2	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.859 min Scan# 1854
Delta R.T. -0.082 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion:	83	Resp:	241
Ion	Ratio	Lower	Upper
83	100		
131	55.6	5.0	15.0#
85	0.0	31.9	95.7#

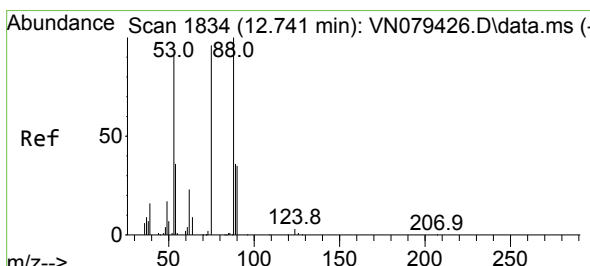
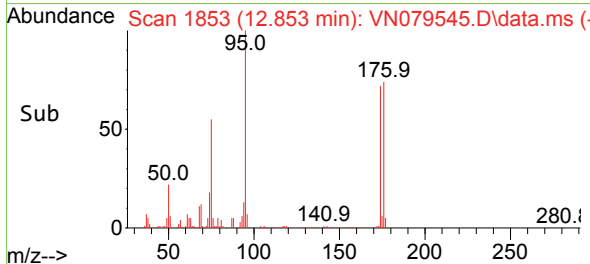
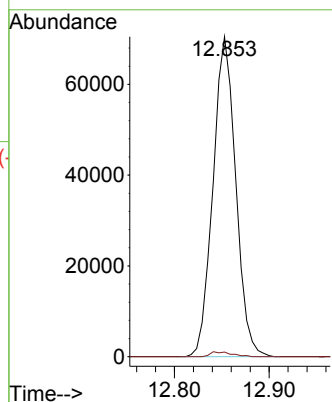
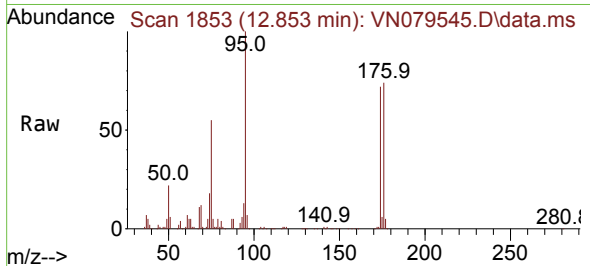




#76
1,2,3-Trichloropropane
Concen: 24.767 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 117648
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.862 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079545.D
Acq: 12 Oct 2023 15:11

Tgt Ion: 75 Resp: 117648
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

