

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080333.D
 Acq On : 04 Dec 2023 13:11
 Operator : JC\MD
 Sample : PB157524ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

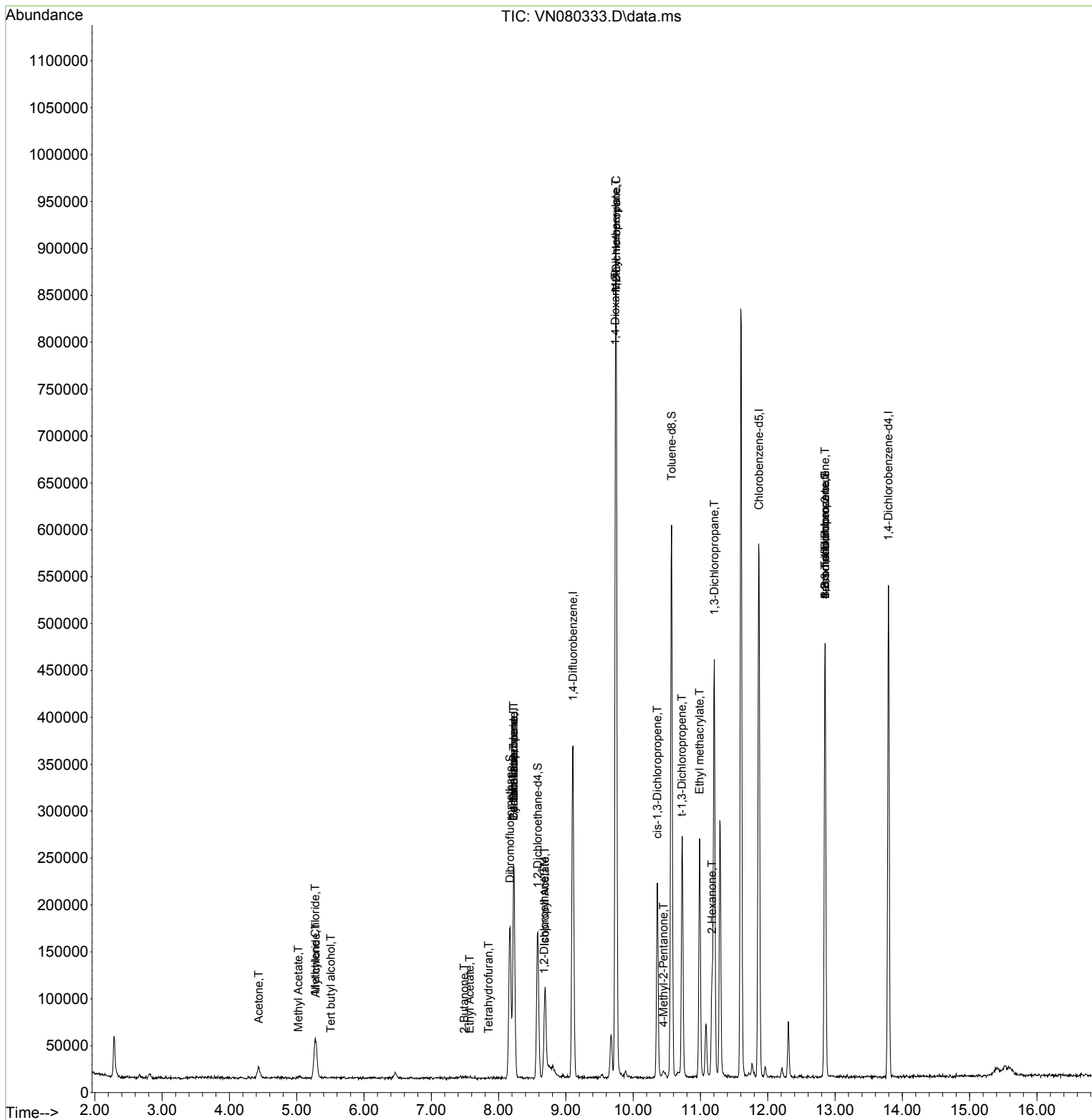
Instrument :
 MSVOA_N
 ClientSampleId :

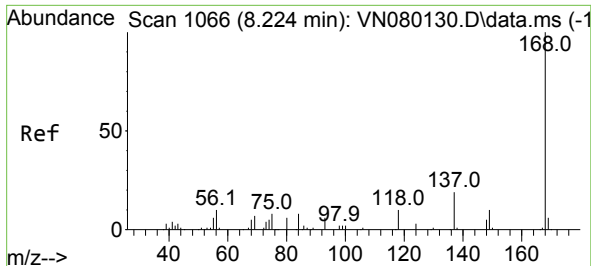
Quant Time: Dec 05 04:14:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	294453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	328596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143449	56.971	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.940%	
35) Dibromofluoromethane	8.171	113	114165	52.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.100%	
50) Toluene-d8	10.571	98	402863	51.438	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	12.853	95	157447	53.222	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.440%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	648	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	275	0.993	ug/l #	72
14) Allyl chloride	5.283	41	742	0.366	ug/l #	19
16) Acetone	4.436	43	20857	24.662	ug/l	94
18) Methyl Acetate	5.024	43	1622	0.597	ug/l #	84
20) Methylene Chloride	5.277	84	35957	20.303	ug/l	93
25) 2-Butanone	7.488	43	1128	1.123	ug/l #	37
29) Tetrahydrofuran	7.853	42	161	0.298	ug/l #	20
31) Cyclohexane	8.224	56	3222	1.177	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	13534	4.302	ug/l #	52
37) Ethyl Acetate	7.571	43	2348	1.076	ug/l #	73
38) Carbon Tetrachloride	8.224	117	18461	4.625	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	778	0.213	ug/l #	73
43) Isopropyl Acetate	8.688	43	110507	26.026	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	1187	0.571	ug/l #	45
48) Methyl methacrylate	9.741	41	90900	41.543	ug/l #	30
49) 1,4-Dioxane	9.735	88	56	1.538	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8373	3.809	ug/l #	72
53) t-1,3-Dichloropropene	10.724	75	763	0.215	ug/l #	5
54) cis-1,3-Dichloropropene	10.359	75	38960	10.729	ug/l #	65
56) Ethyl methacrylate	10.988	69	1417	0.650	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5768	1.547	ug/l #	42
59) 2-Hexanone	11.171	43	75708	42.860	ug/l #	19
71) Bromoform	12.853	173	1254	0.585	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	90843	26.835	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	90843	90.664	ug/l #	15

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

Quant Time: Dec 05 04:14:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

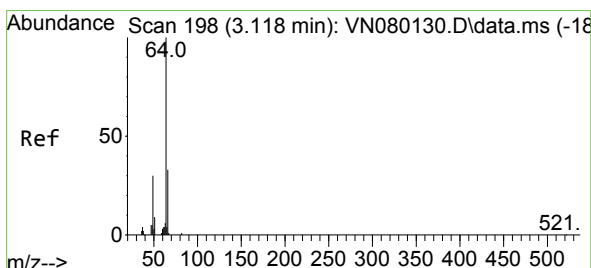
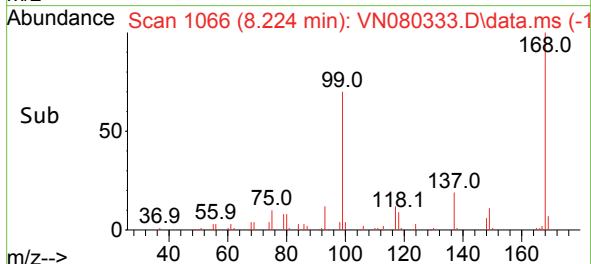
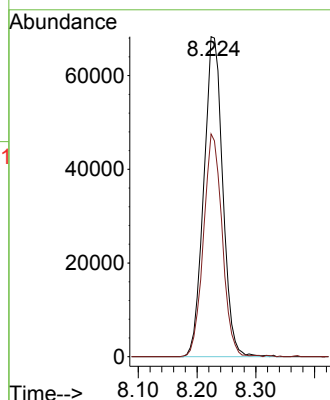
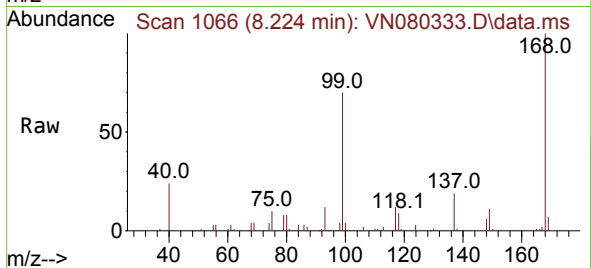




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

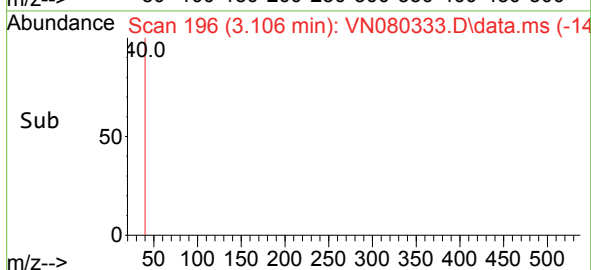
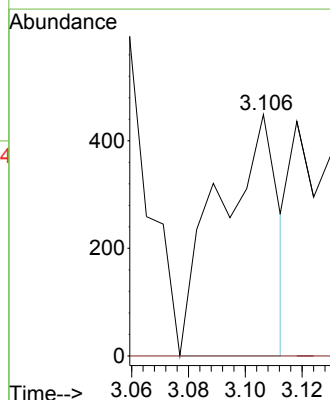
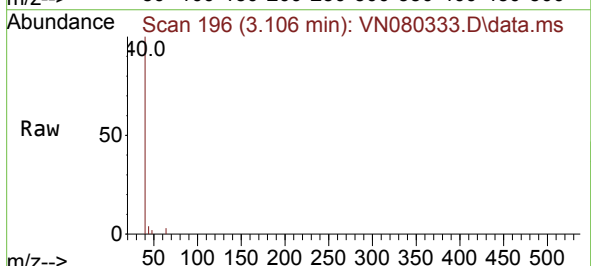
Instrument :
MSVOA_N
ClientSampleId :

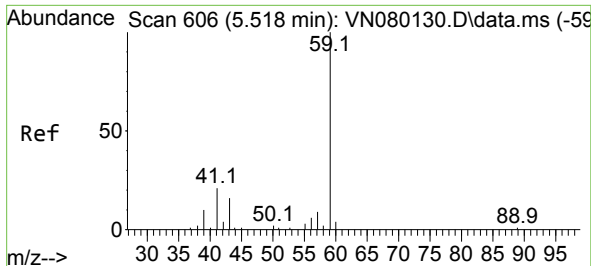
Tgt Ion:168 Resp: 152496
Ion Ratio Lower Upper
168 100
99 69.6 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

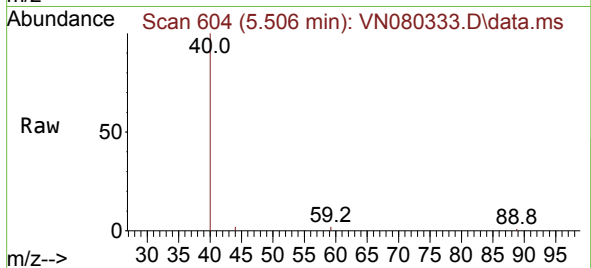
Tgt Ion: 64 Resp: 648
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



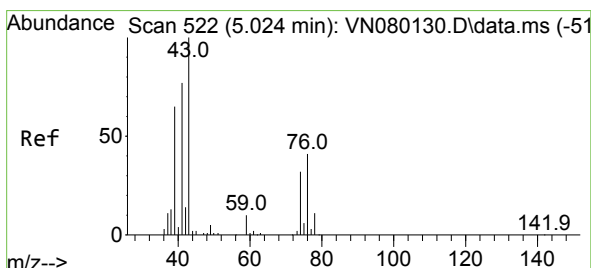
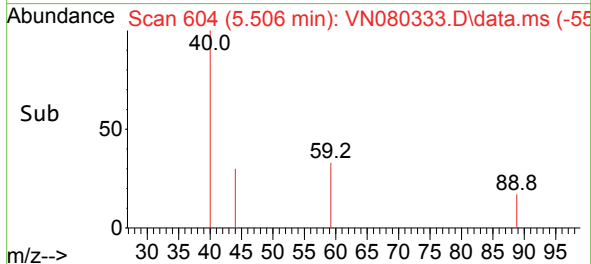
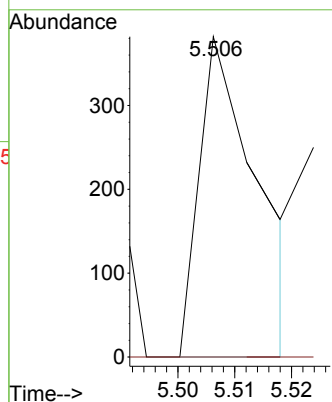


#11
Tert butyl alcohol
Concen: 0.993 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

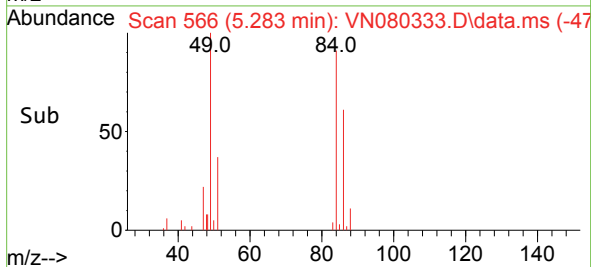
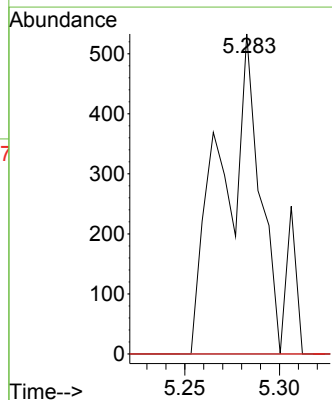
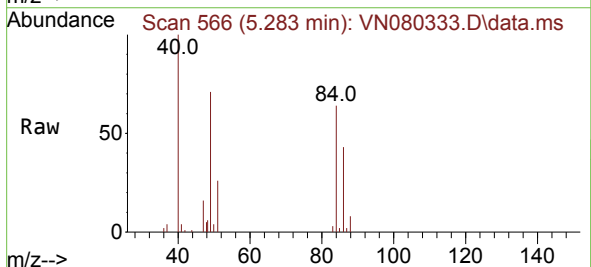


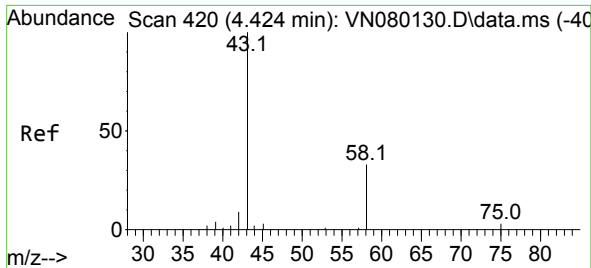
Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#14
Allyl chloride
Concen: 0.366 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.259 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Tgt Ion: 41 Resp: 742
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 0.0 39.1 58.7#

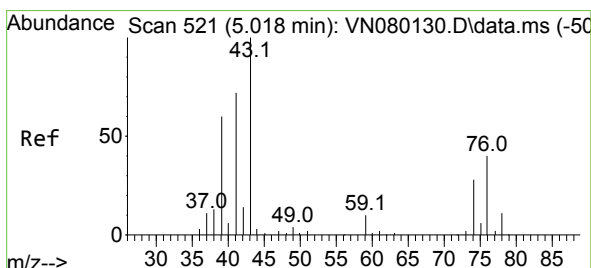
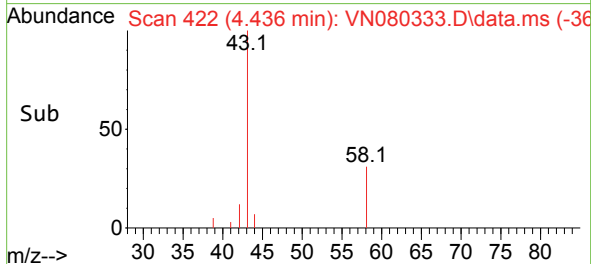
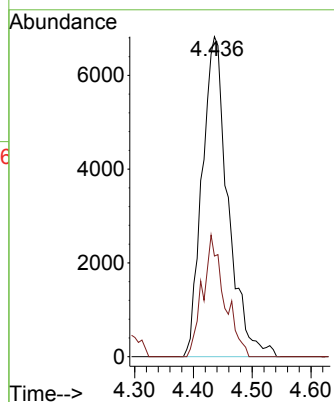
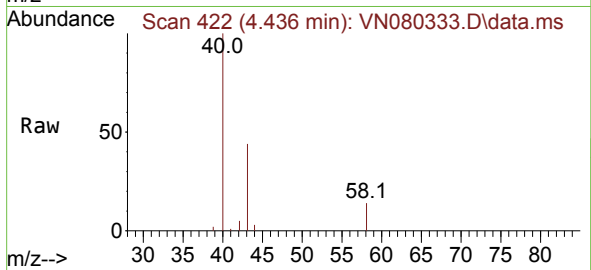




#16
Acetone
Concen: 24.662 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

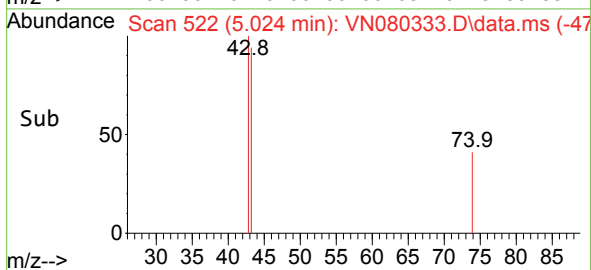
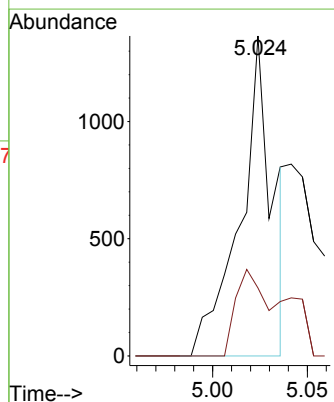
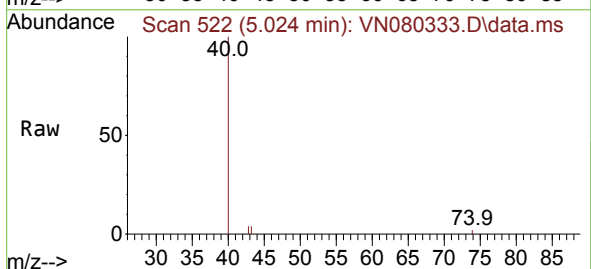
Instrument :
MSVOA_N
ClientSampleId :

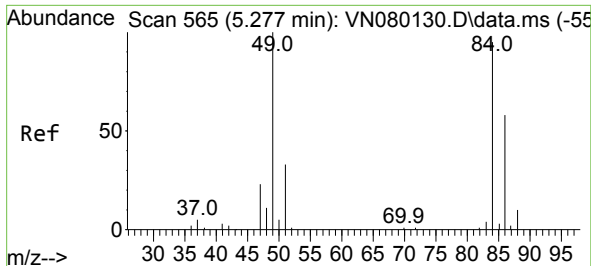
Tgt Ion: 43 Resp: 20857
Ion Ratio Lower Upper
43 100
58 31.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

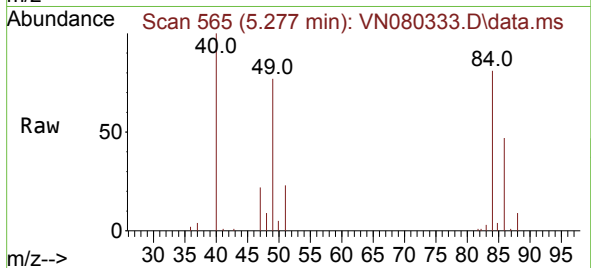
Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
74 23.9 26.2 39.4#



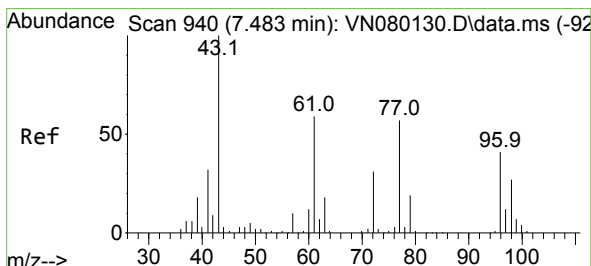
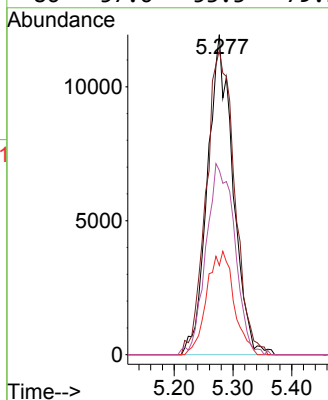
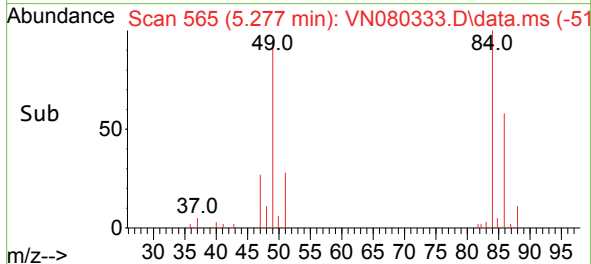


#20
Methylene Chloride
Concen: 20.303 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

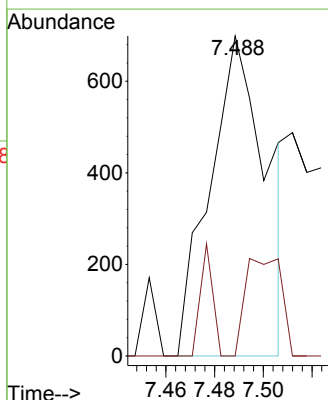
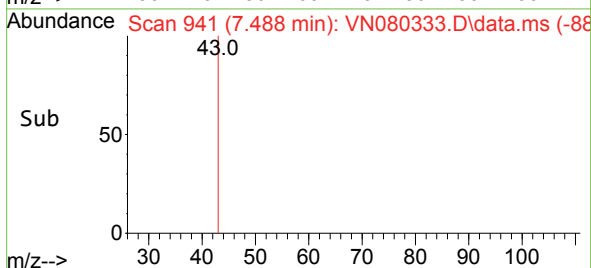
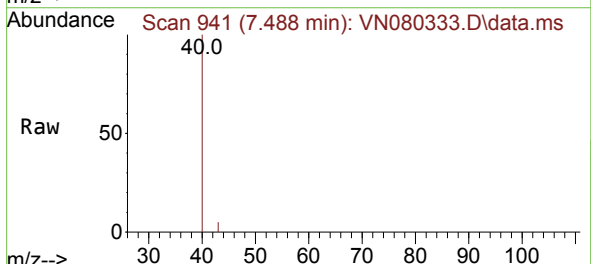


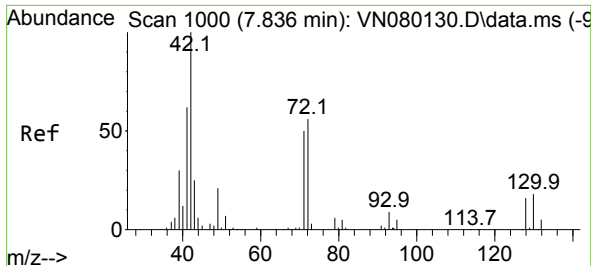
Tgt Ion:	84	Resp:	35957
Ion	Ratio	Lower	Upper
84	100		
49	95.2	79.7	119.5
51	27.9	25.2	37.8
86	57.6	53.3	79.9



#25
2-Butanone
Concen: 1.123 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Tgt Ion:	43	Resp:	1128
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

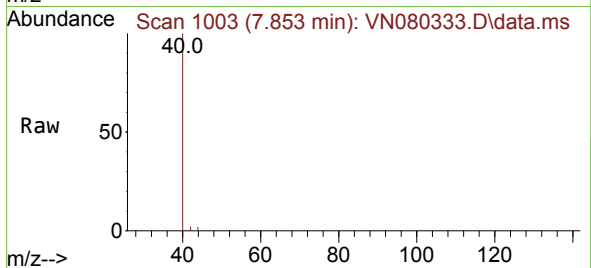
Lab File: VN080333.D

Acq: 04 Dec 2023 13:11

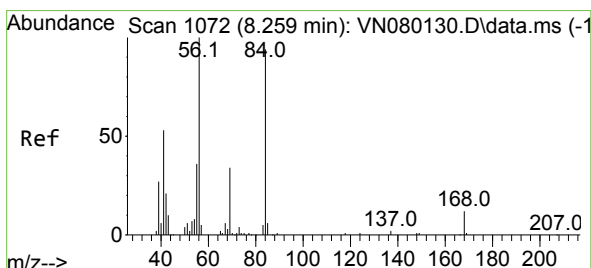
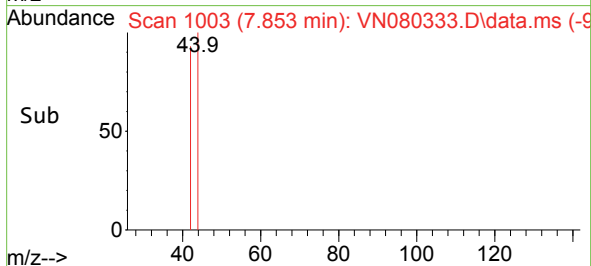
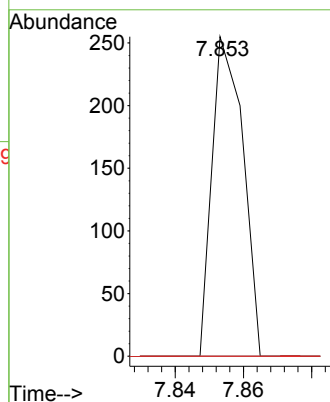
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	161
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.177 ug/l

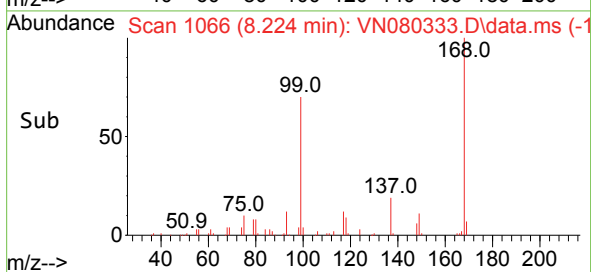
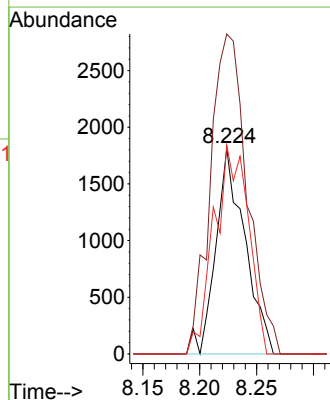
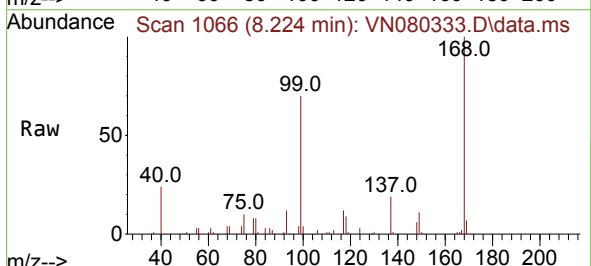
RT: 8.224 min Scan# 1066

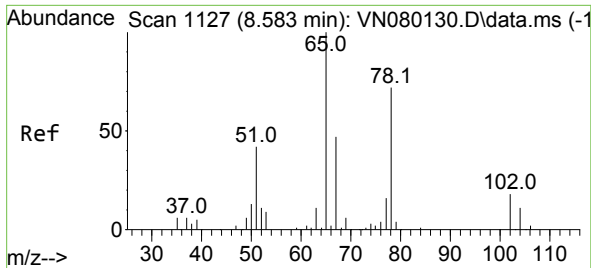
Delta R.T. -0.035 min

Lab File: VN080333.D

Acq: 04 Dec 2023 13:11

Tgt Ion:	56	Resp:	3222
Ion	Ratio	Lower	Upper
56	100		
69	155.4	26.8	40.2#
84	101.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 56.971 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080333.D

Acq: 04 Dec 2023 13:11

Instrument :

MSVOA_N

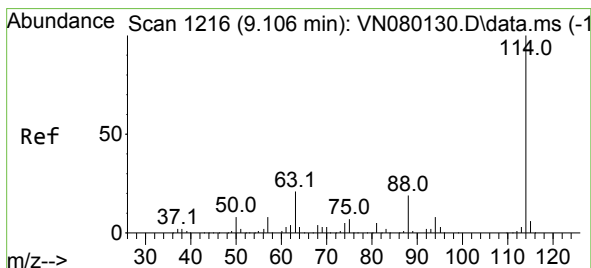
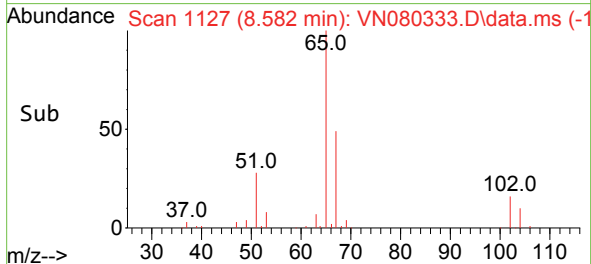
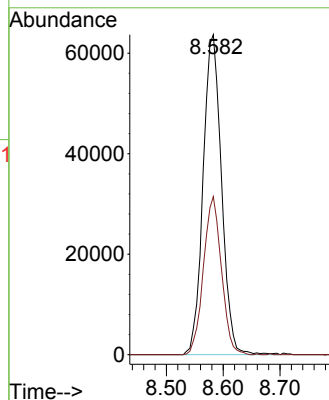
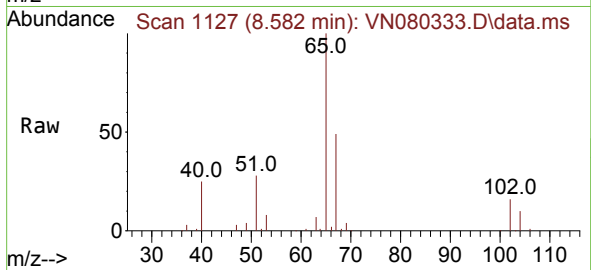
ClientSampleId :

Tgt Ion: 65 Resp: 143449

Ion Ratio Lower Upper

65 100

67 48.1 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: VN080333.D

Acq: 04 Dec 2023 13:11

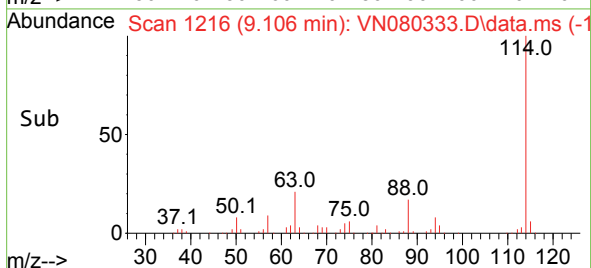
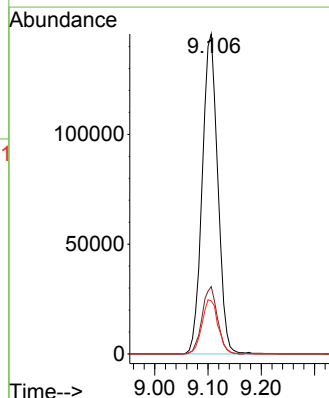
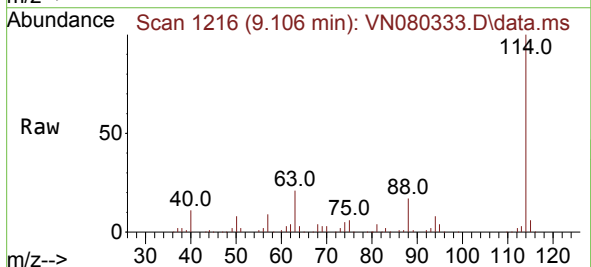
Tgt Ion: 114 Resp: 294453

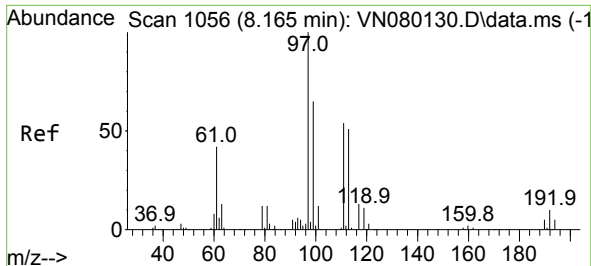
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

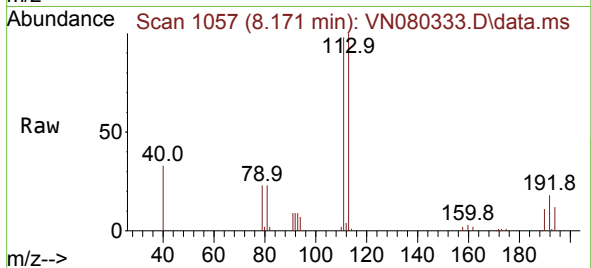
88 16.6 0.0 30.6



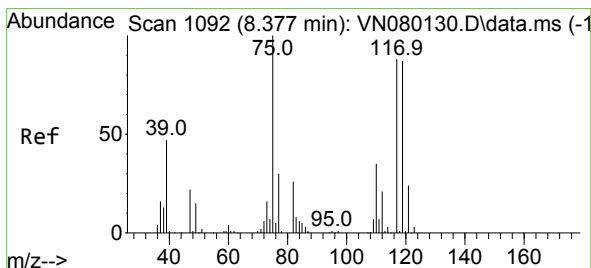
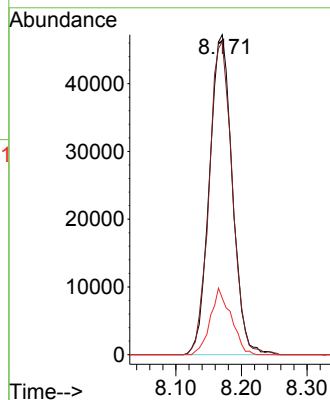
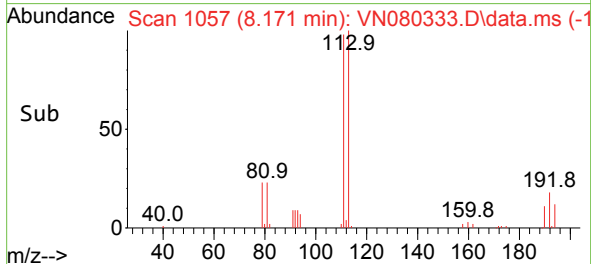


#35
 Dibromofluoromethane
 Concen: 52.546 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN080333.D
 Acq: 04 Dec 2023 13:11

Instrument :
 MSVOA_N
 ClientSampleId :

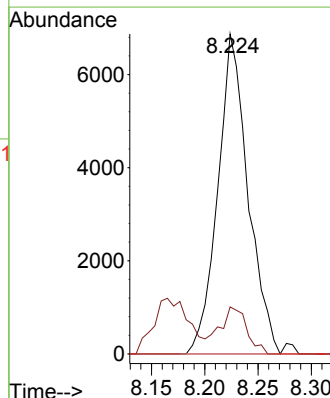
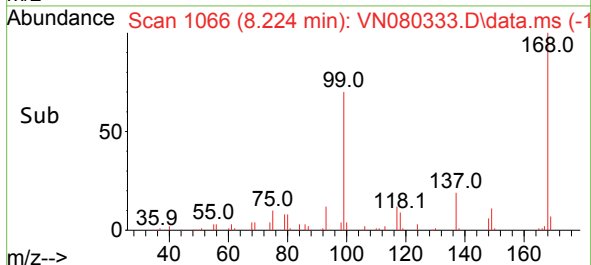
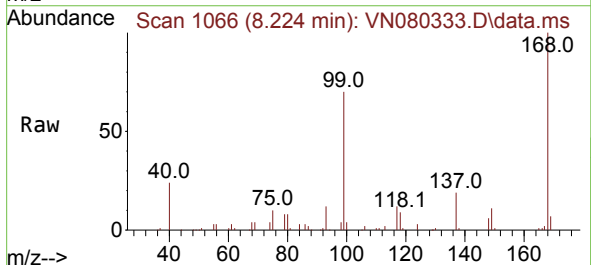


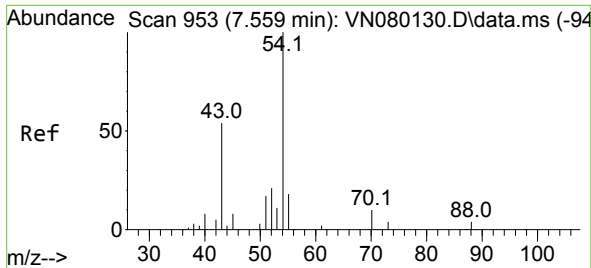
Tgt Ion:113 Resp: 114165
 Ion Ratio Lower Upper
 113 100
 111 99.3 82.6 123.8
 192 18.9 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.302 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080333.D
 Acq: 04 Dec 2023 13:11

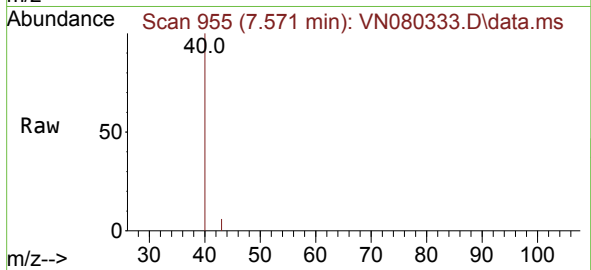
Tgt Ion: 75 Resp: 13534
 Ion Ratio Lower Upper
 75 100
 110 13.3 19.1 57.3#
 77 0.0 25.0 37.4#



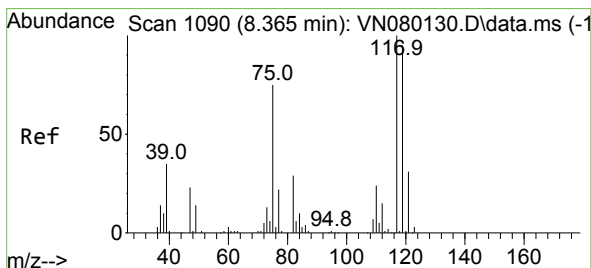
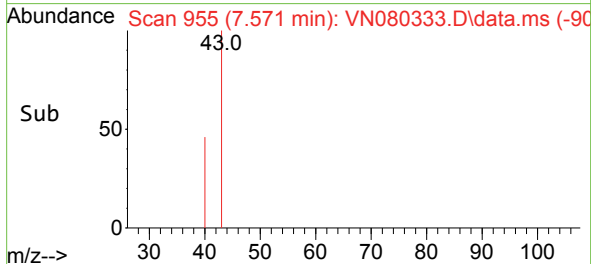
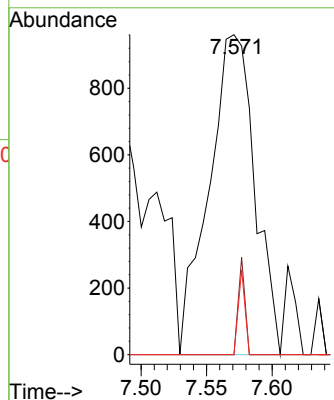


#37
Ethyl Acetate
Concen: 1.076 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

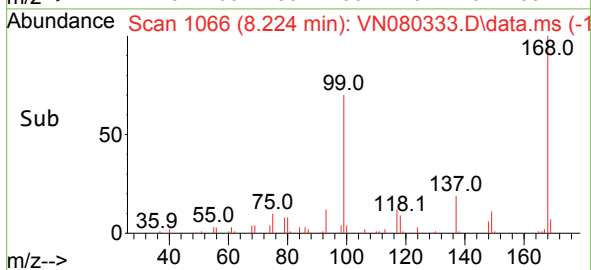
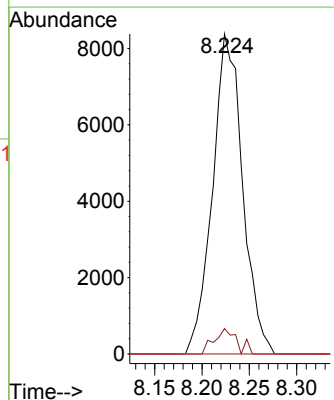
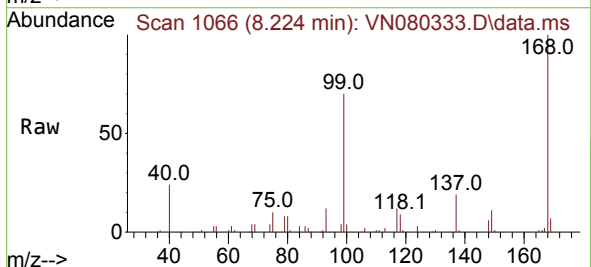


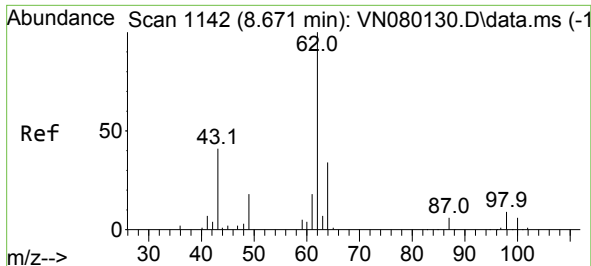
Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
61 4.4 13.2 19.8#
70 3.8 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.625 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Tgt Ion: 117 Resp: 18461
Ion Ratio Lower Upper
117 100
119 7.9 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.213 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN080333.D

Acq: 04 Dec 2023 13:11

Instrument :

MSVOA_N

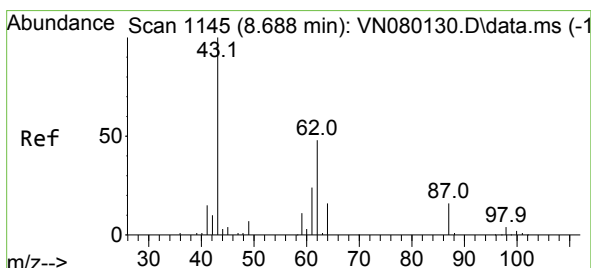
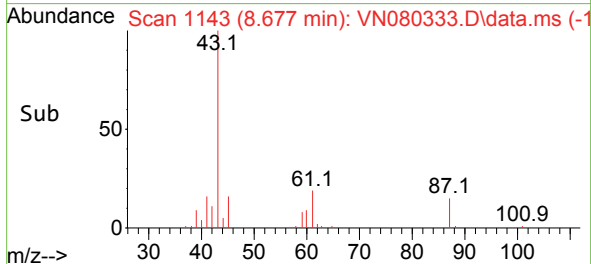
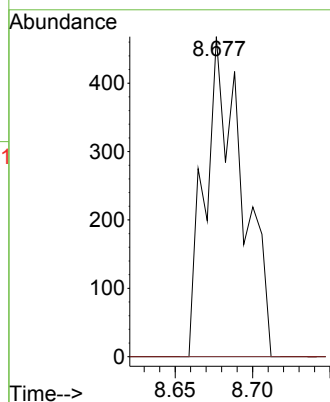
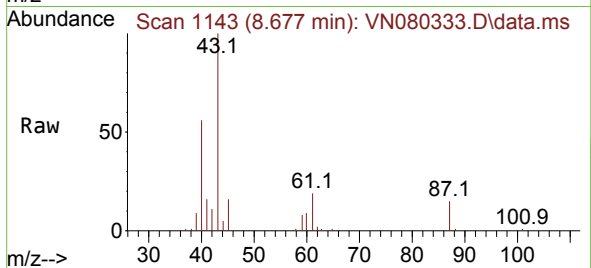
ClientSampleId :

Tgt Ion: 62 Resp: 778

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 26.026 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080333.D

Acq: 04 Dec 2023 13:11

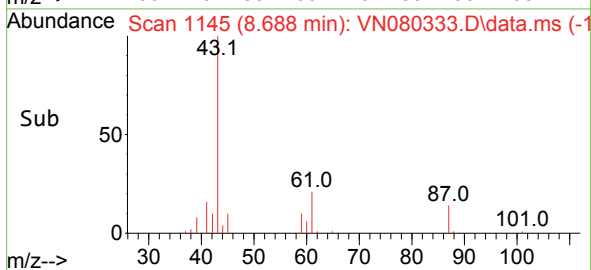
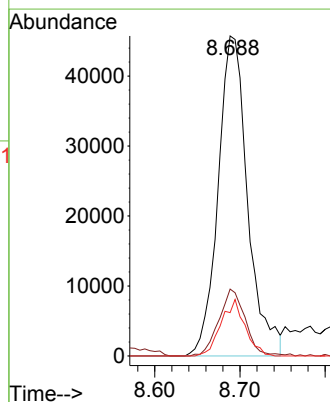
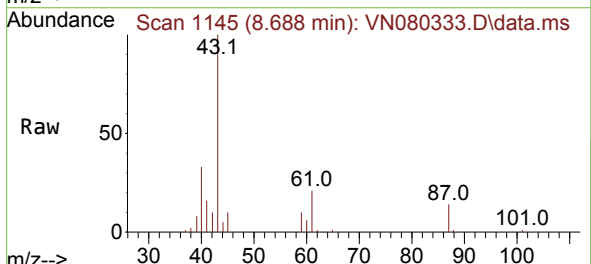
Tgt Ion: 43 Resp: 110507

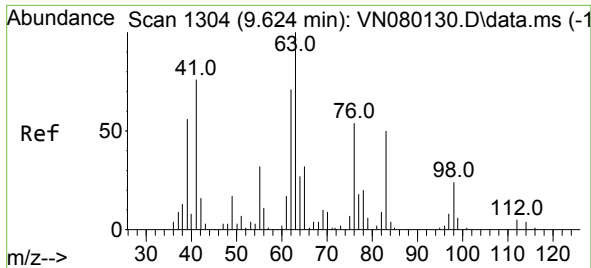
Ion Ratio Lower Upper

43 100

61 18.8 24.7 37.1#

87 14.4 14.6 21.8#

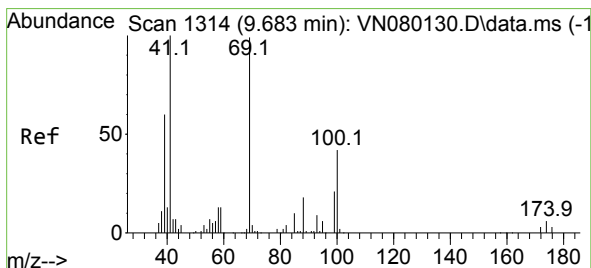
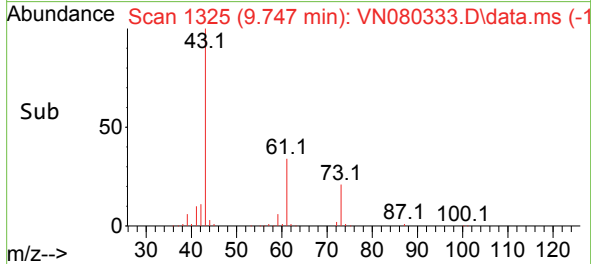
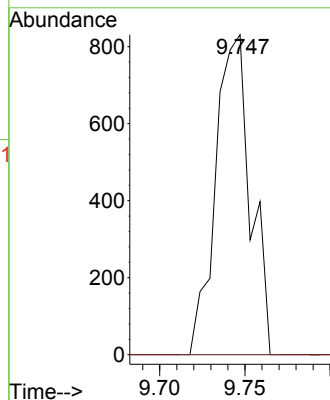
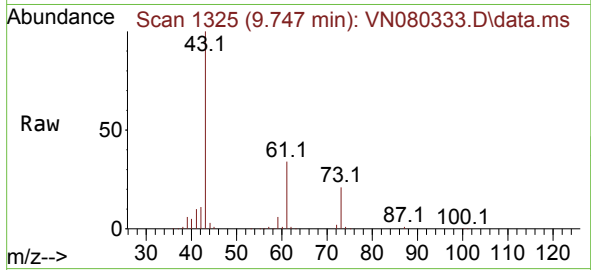




#45
1,2-Dichloropropane
Concen: 0.571 ug/l
RT: 9.747 min Scan# 1187
Delta R.T. 0.123 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

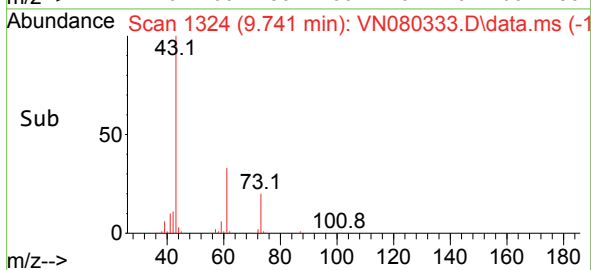
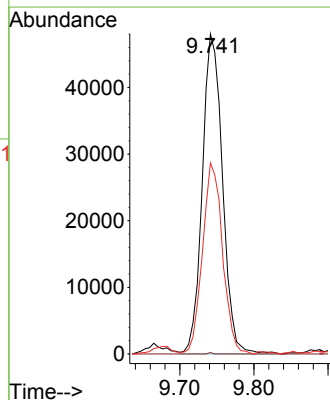
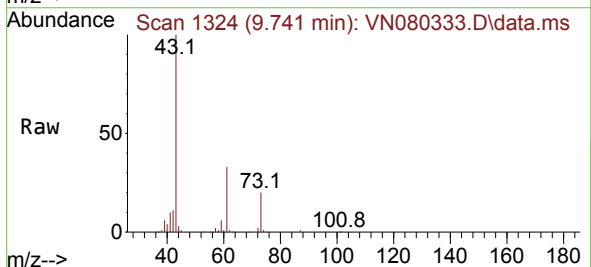
Instrument :
MSVOA_N
ClientSampleId :

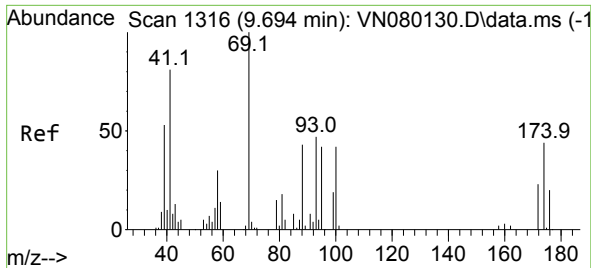
Tgt Ion: 63 Resp: 1187
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 41.543 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

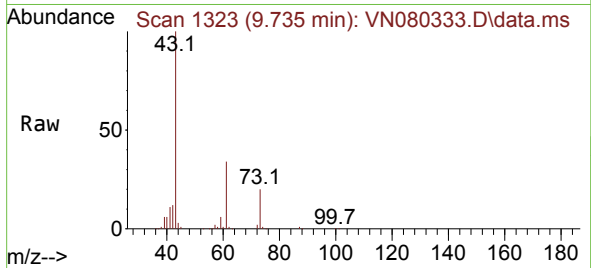
Tgt Ion: 41 Resp: 90900
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 59.3 54.6 81.8



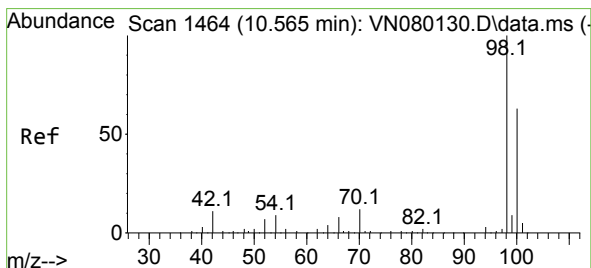
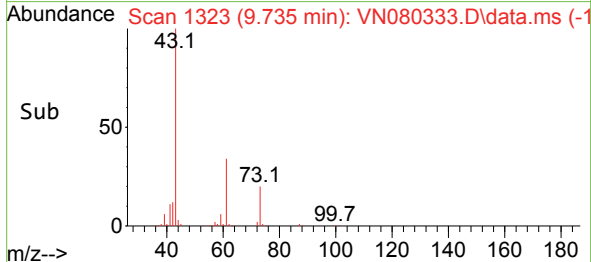
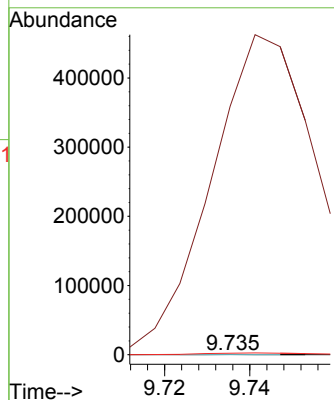


#49
1,4-Dioxane
Concen: 1.538 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

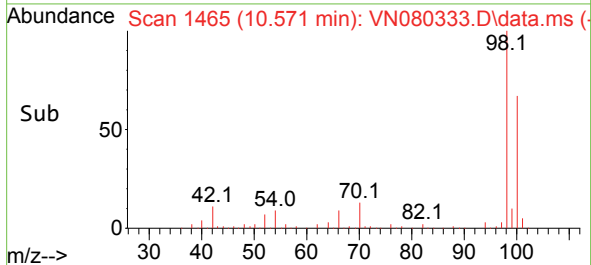
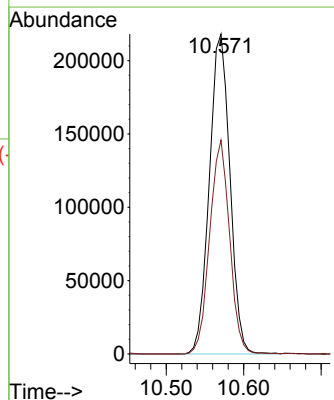
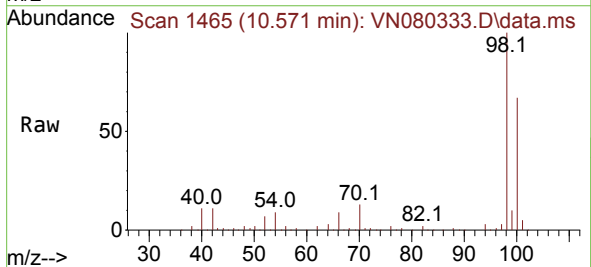


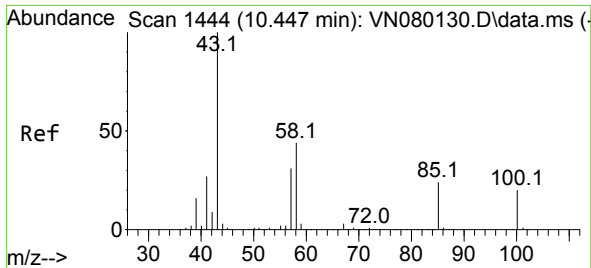
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 1489141.1 17.0 25.6#
58 8062.5 47.0 70.4#



#50
Toluene-d8
Concen: 51.438 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Tgt Ion: 98 Resp: 402863
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

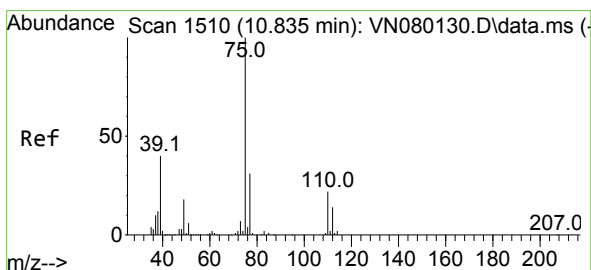
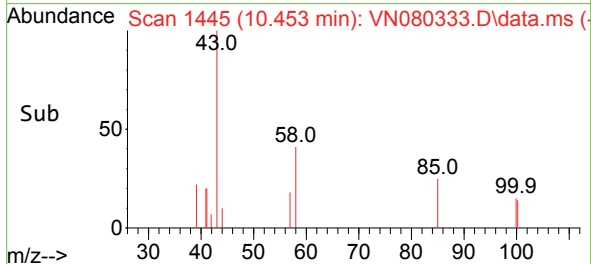
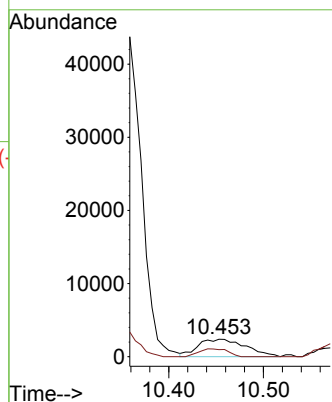
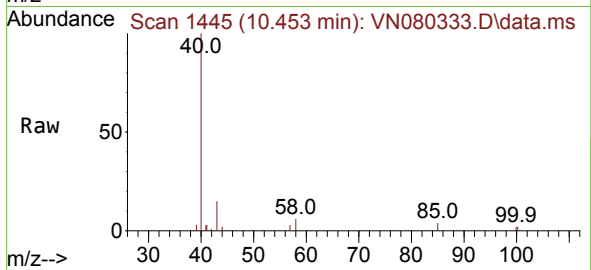




#51
4-Methyl-2-Pentanone
Concen: 3.809 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

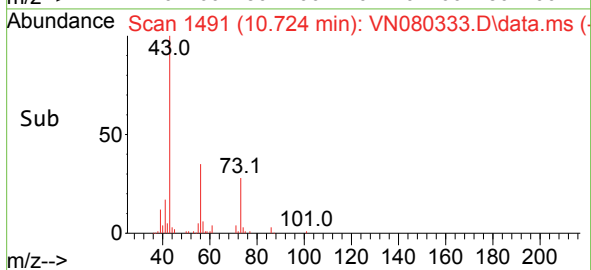
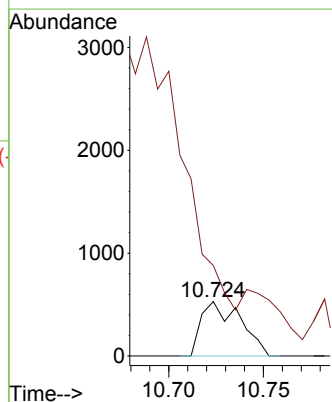
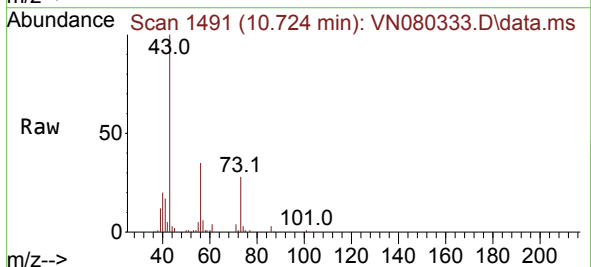
Instrument :
MSVOA_N
ClientSampleId :

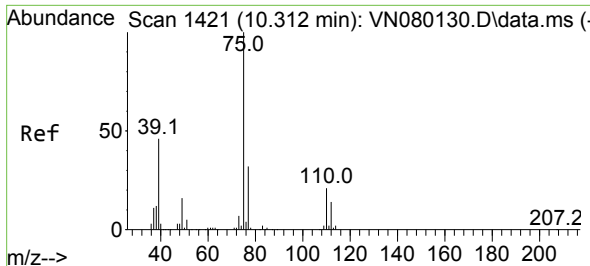
Tgt Ion: 43 Resp: 8373
Ion Ratio Lower Upper
43 100
58 27.3 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

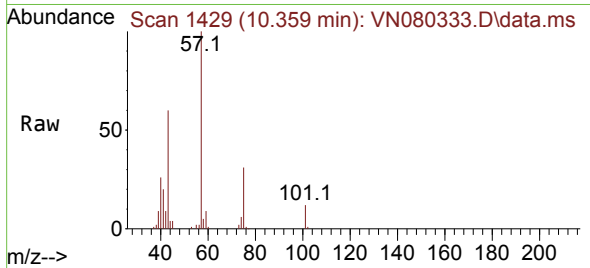
Tgt Ion: 75 Resp: 763
Ion Ratio Lower Upper
75 100
77 84.5 25.4 38.0#



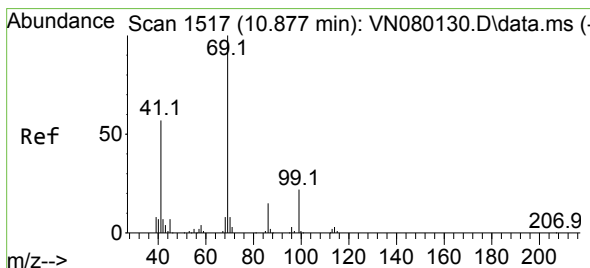
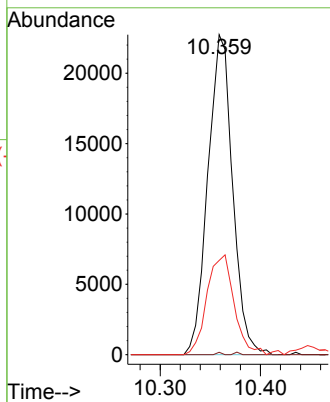
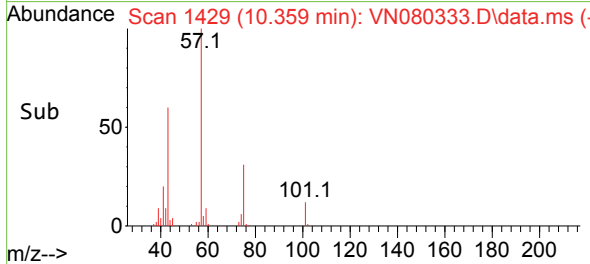


#54
 cis-1,3-Dichloropropene
 Concen: 10.729 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080333.D
 Acq: 04 Dec 2023 13:11

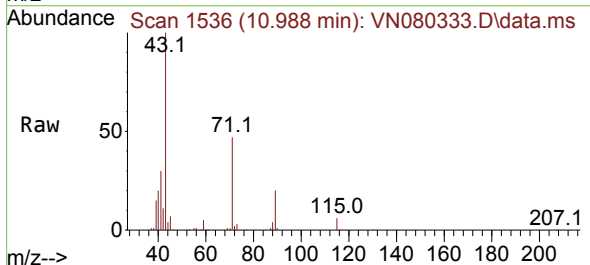
Instrument :
 MSVOA_N
 ClientSampleId :



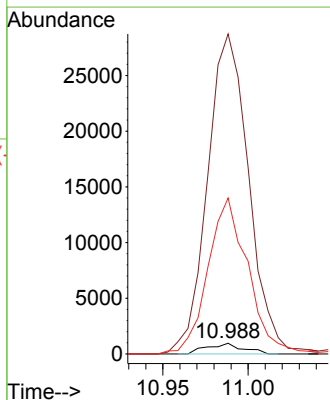
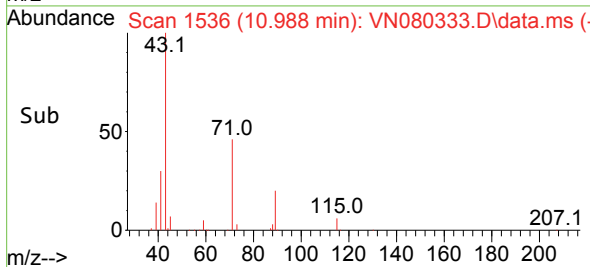
Tgt Ion: 75 Resp: 38960
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 29.5 31.6 47.4#

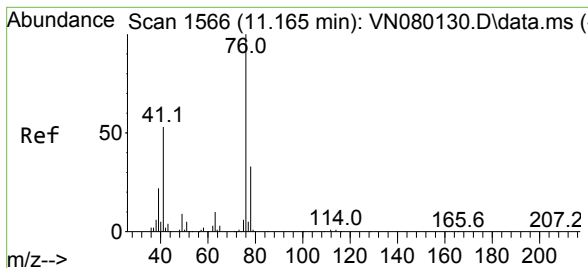


#56
 Ethyl methacrylate
 Concen: 0.650 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080333.D
 Acq: 04 Dec 2023 13:11



Tgt Ion: 69 Resp: 1417
 Ion Ratio Lower Upper
 69 100
 41 3429.1 39.6 59.4#
 39 1618.5 28.6 43.0#

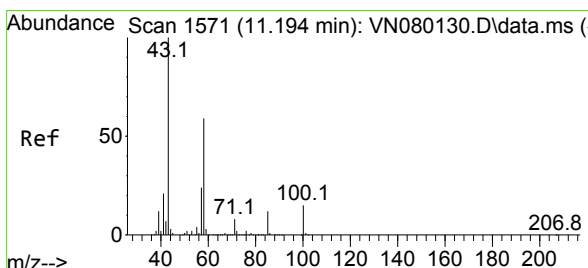
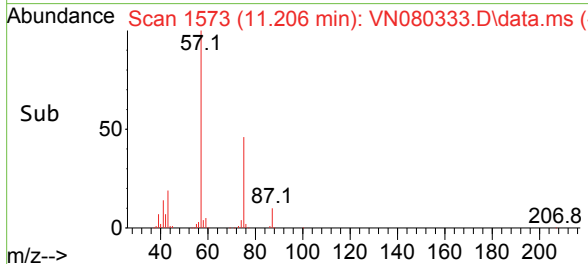
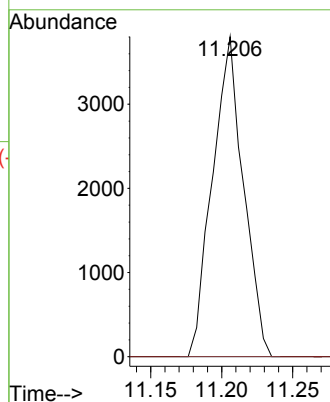
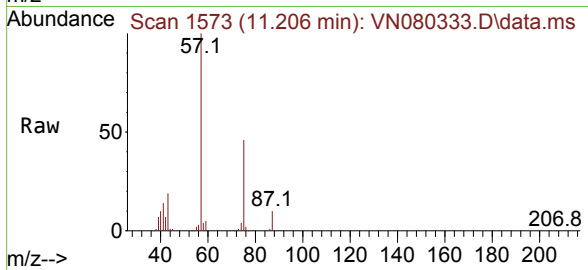




#57
1,3-Dichloropropane
Concen: 1.547 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

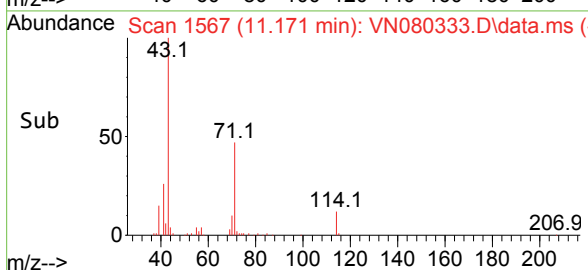
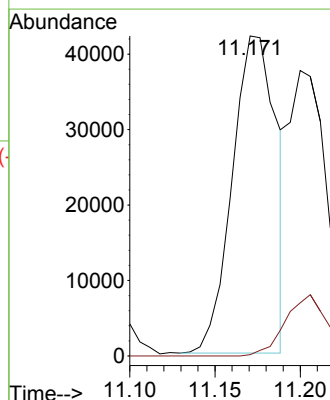
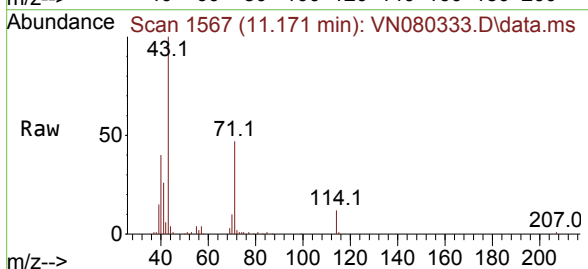
Instrument :
MSVOA_N
ClientSampleId :

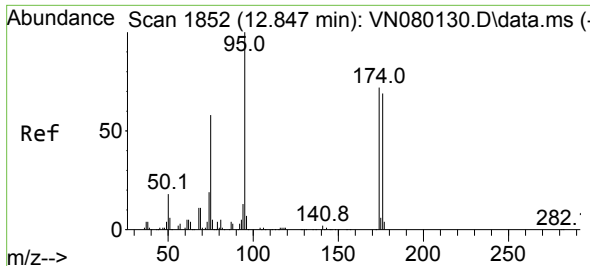
Tgt Ion: 76 Resp: 5768
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 42.860 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Tgt Ion: 43 Resp: 75708
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

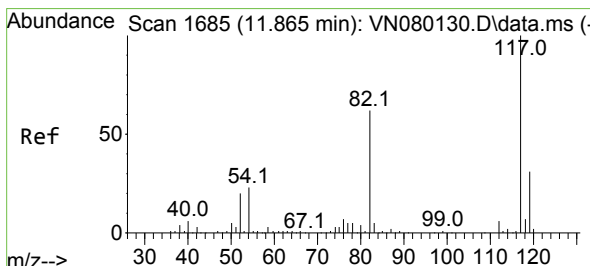
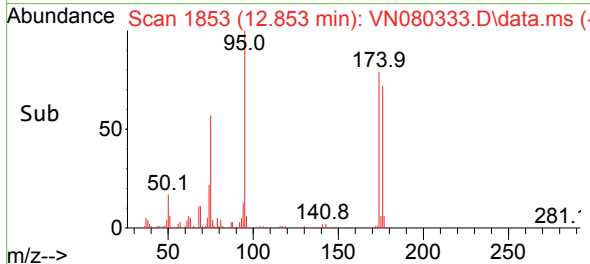
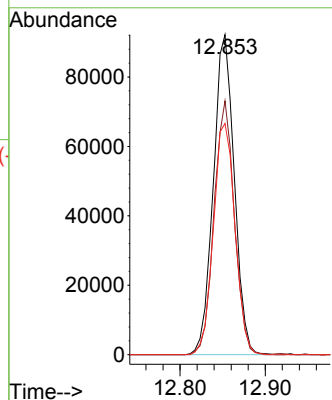
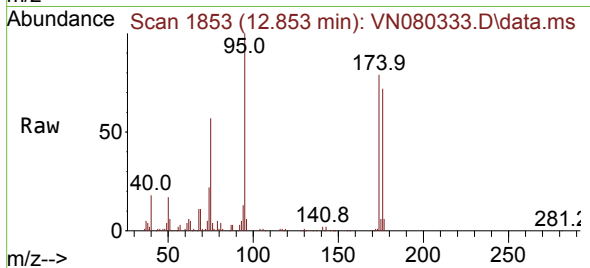




#62
4-Bromofluorobenzene
Concen: 53.222 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

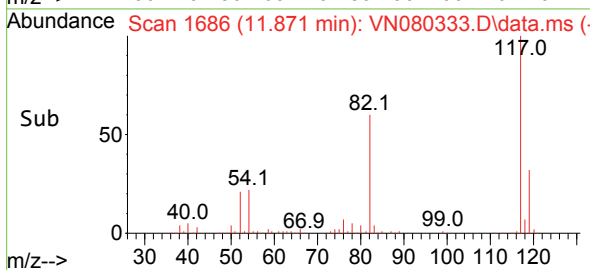
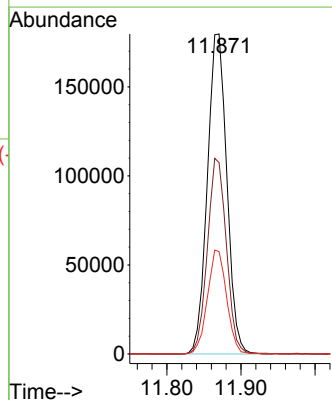
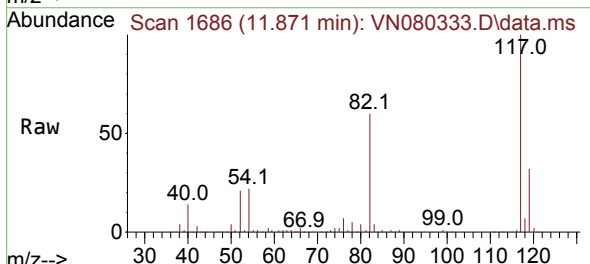
Instrument :
MSVOA_N
ClientSampleId :

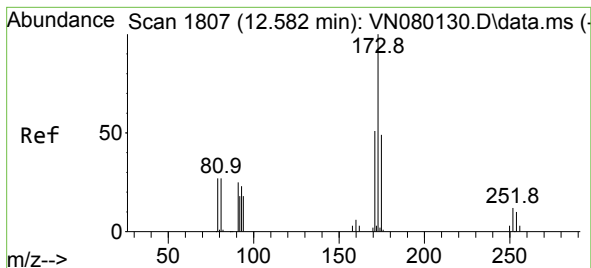
Tgt Ion: 95 Resp: 157447
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 74.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Tgt Ion: 117 Resp: 328596
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.585 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN080333.D

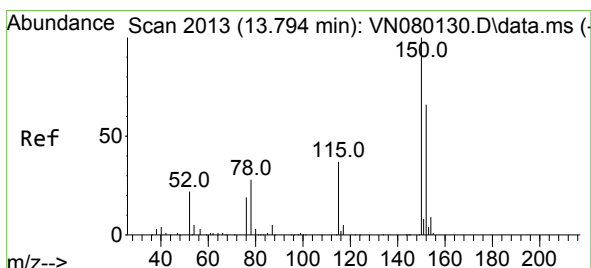
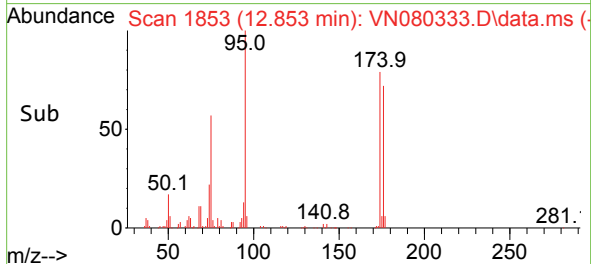
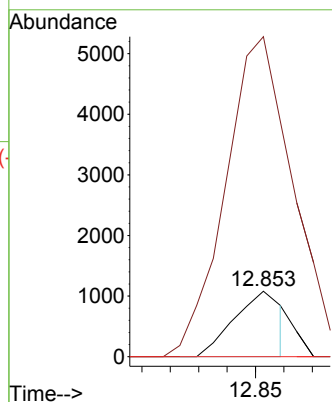
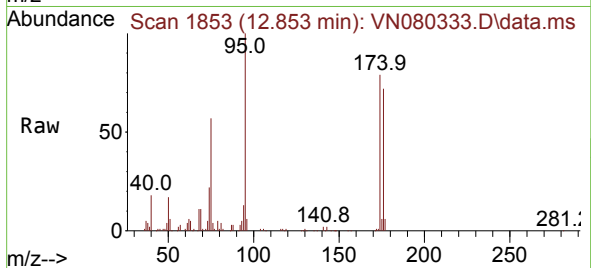
Acq: 04 Dec 2023 13:11

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	1254
Ion Ratio	Lower	Upper	
173	100		
175	565.2	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

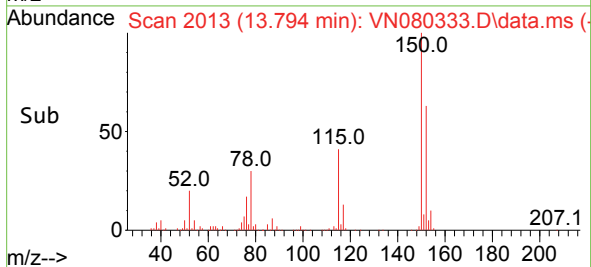
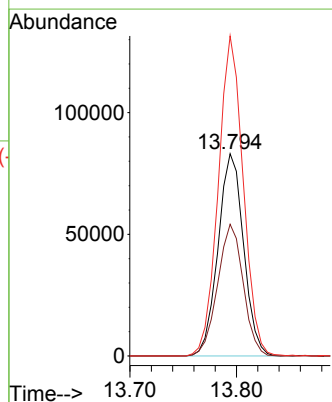
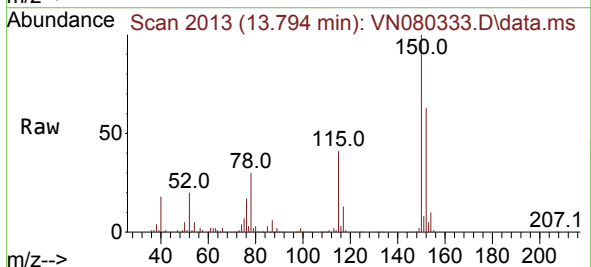
RT: 13.794 min Scan# 2013

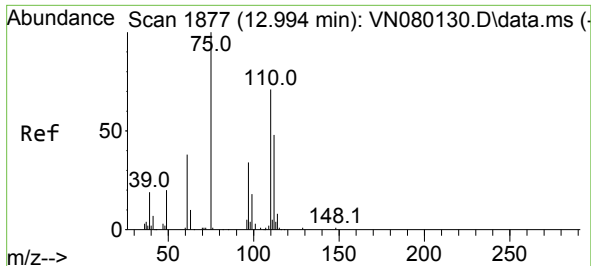
Delta R.T. -0.000 min

Lab File: VN080333.D

Acq: 04 Dec 2023 13:11

Tgt Ion:	152	Resp:	138164
Ion Ratio	Lower	Upper	
152	100		
115	65.2	32.3	96.8
150	154.7	0.0	355.8

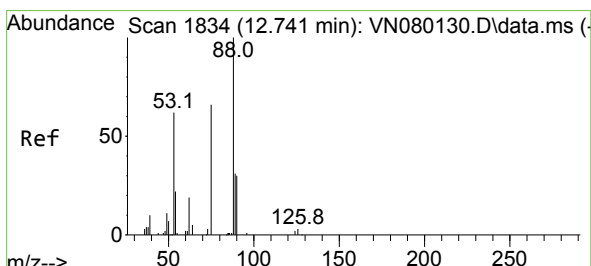
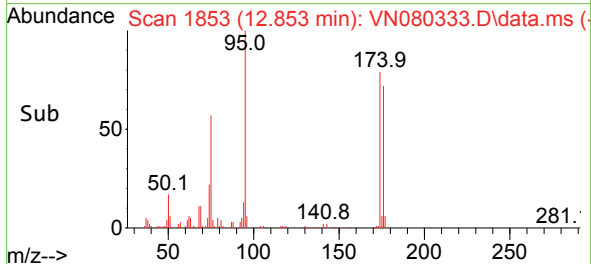
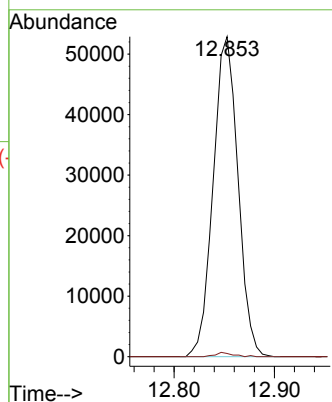
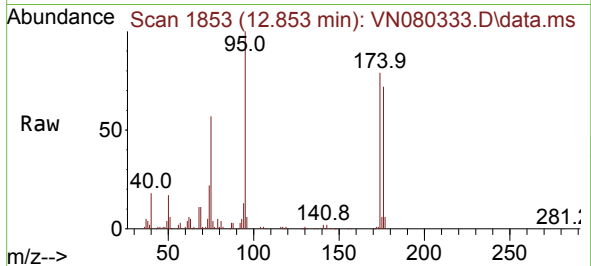




#76
1,2,3-Trichloropropane
Concen: 26.835 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 90843
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.664 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080333.D
Acq: 04 Dec 2023 13:11

Tgt Ion: 75 Resp: 90843
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

