

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080387.D
 Acq On : 06 Dec 2023 15:35
 Operator : JC\MD
 Sample : PB157577TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:01:04 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)

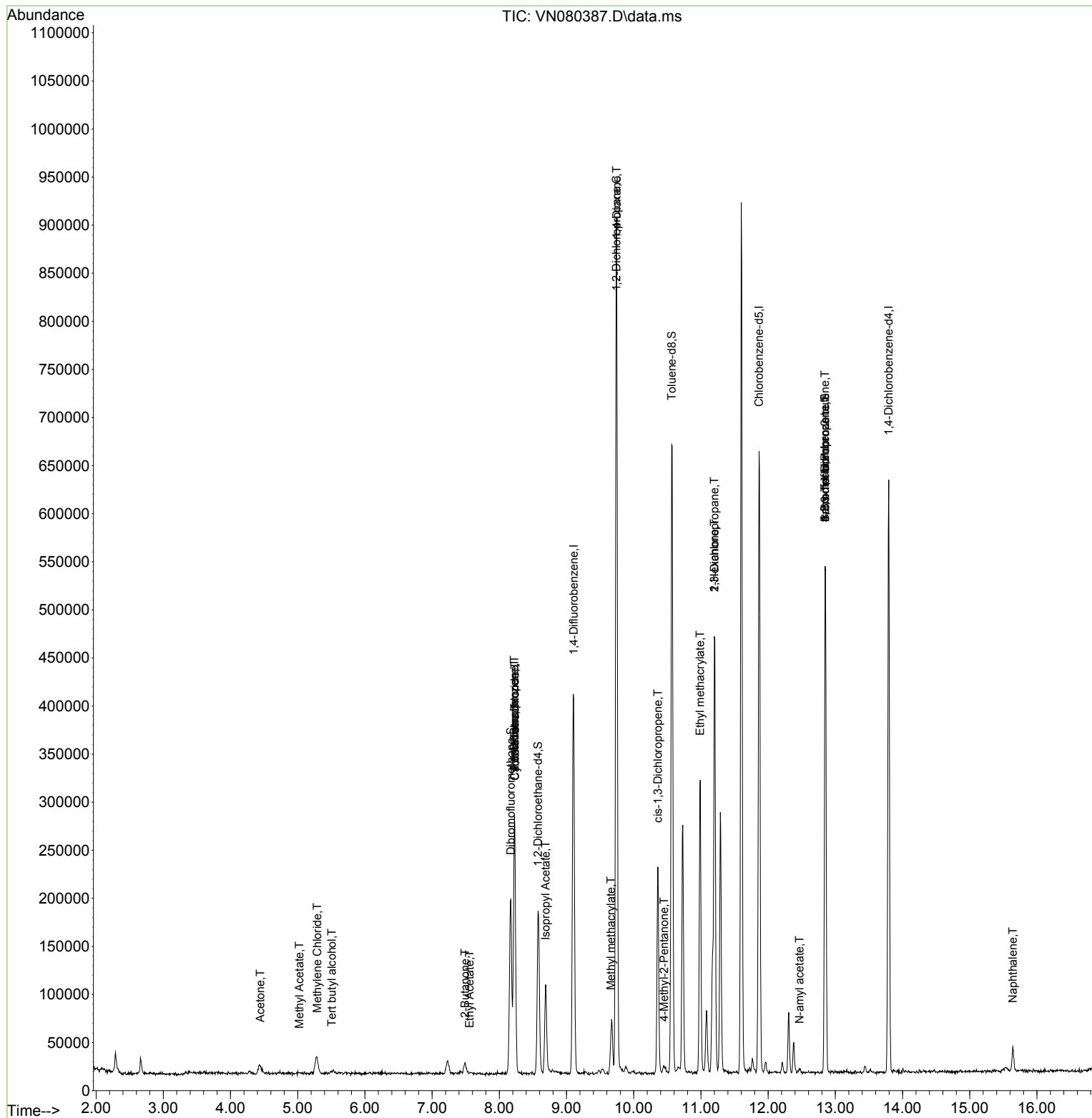
Internal Standards						
1) Pentafluorobenzene	8.224	168	185620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	374579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	163424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159927	52.181	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.360%	
35) Dibromofluoromethane	8.171	113	126046	49.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.680%	
50) Toluene-d8	10.565	98	467470	51.281	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.847	95	186304	54.108	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.220%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	464	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	1988	5.898	ug/l #	72
16) Acetone	4.442	43	17663	17.158	ug/l #	82
18) Methyl Acetate	5.024	43	973	0.294	ug/l #	69
20) Methylene Chloride	5.289	84	15358	7.124	ug/l #	91
25) 2-Butanone	7.489	43	16974	13.878	ug/l	95
31) Cyclohexane	8.230	56	4202	1.261	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	15754	4.303	ug/l #	47
37) Ethyl Acetate	7.559	43	2720	1.071	ug/l #	69
38) Carbon Tetrachloride	8.230	117	20866	4.491	ug/l #	17
43) Isopropyl Acetate	8.688	43	100085	20.252	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1257	0.520	ug/l #	45
48) Methyl methacrylate	9.659	41	5330	2.093	ug/l #	30
49) 1,4-Dioxane	9.747	88	56	1.322	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	4769	1.864	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	40630	9.613	ug/l #	68
56) Ethyl methacrylate	10.988	69	1281	0.505	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4882	1.125	ug/l #	42
59) 2-Hexanone	11.200	43	65018	31.625	ug/l #	52
71) Bromoform	12.847	173	623	0.255	ug/l #	1
74) N-amyl acetate	12.465	43	3386	0.855	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	102098	25.498	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	102098	86.147	ug/l #	15
95) Naphthalene	15.641	128	23056	2.476	ug/l #	94

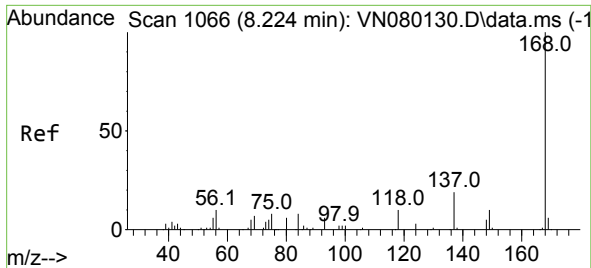
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

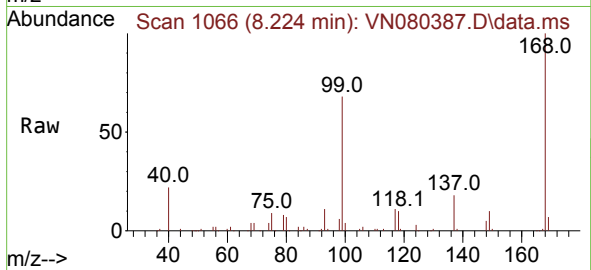
Quant Time: Dec 07 01:01:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



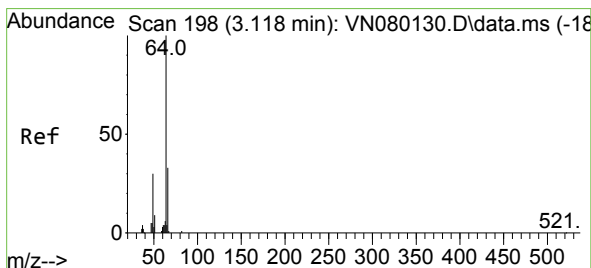
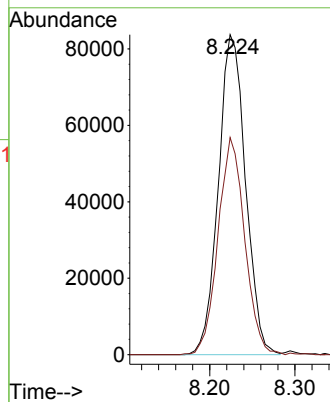
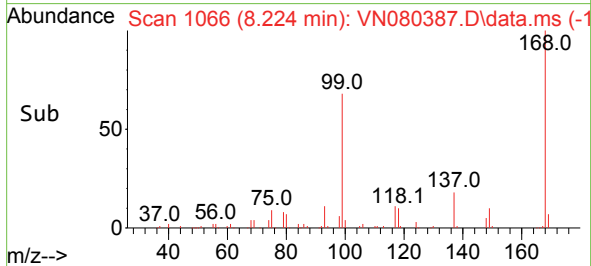


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

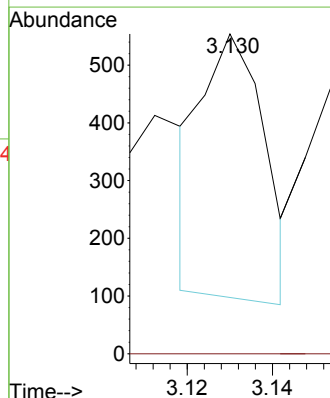
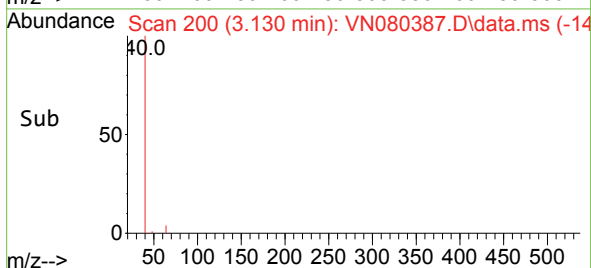
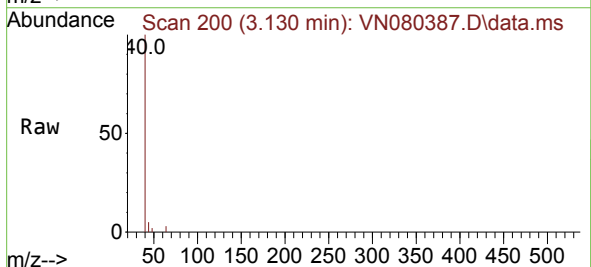


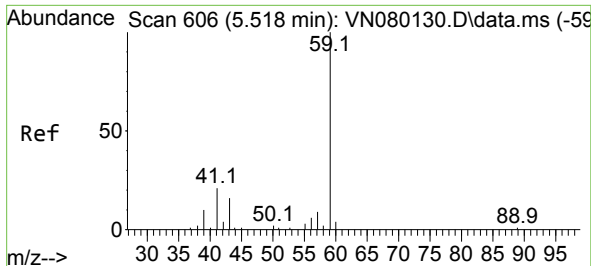
Tgt Ion:168 Resp: 185620
Ion Ratio Lower Upper
168 100
99 67.9 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Tgt Ion: 64 Resp: 464
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

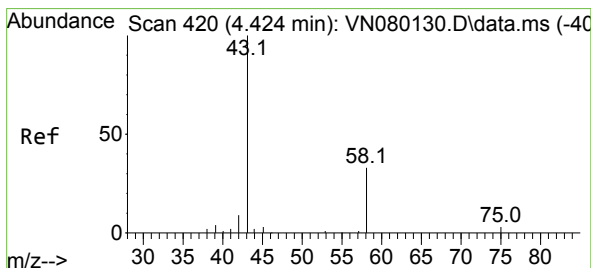
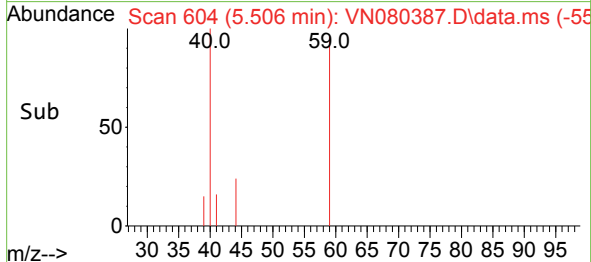
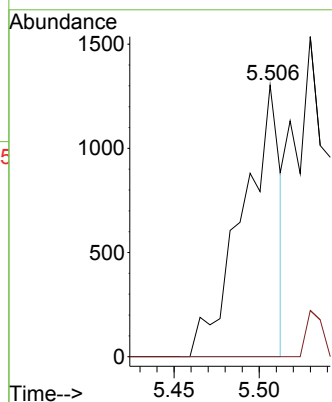
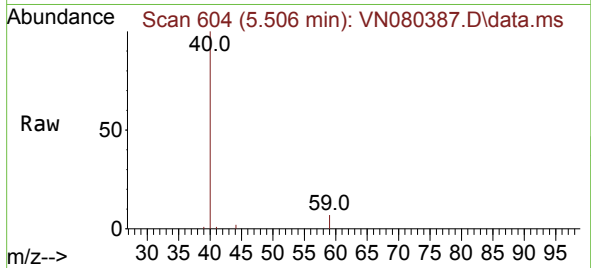




#11
Tert butyl alcohol
Concen: 5.898 ug/l
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

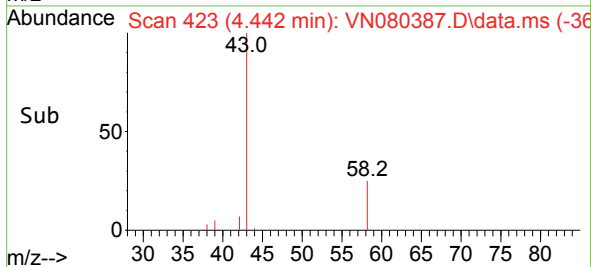
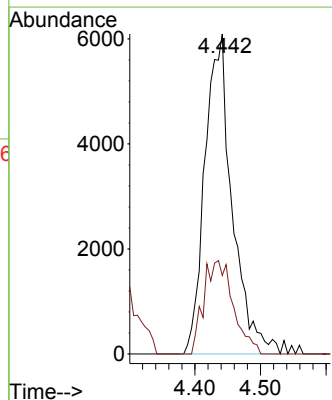
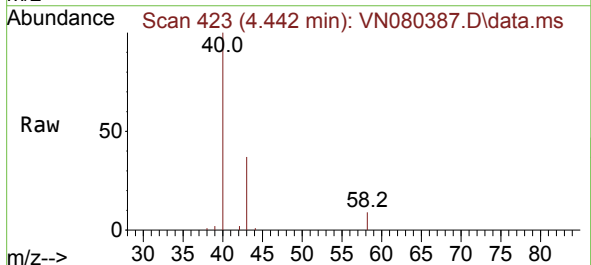
Instrument :
MSVOA_N
ClientSampleId :

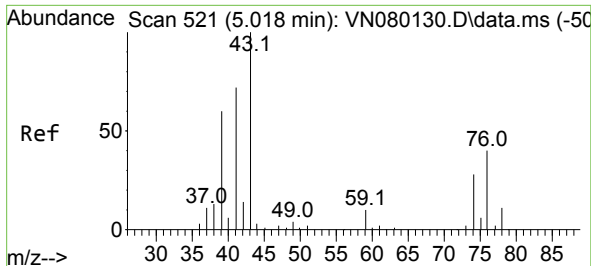
Tgt Ion: 59 Resp: 1988
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 17.158 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Tgt Ion: 43 Resp: 17663
Ion Ratio Lower Upper
43 100
58 24.6 28.0 42.0#

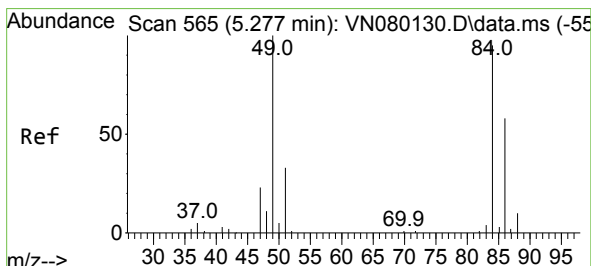
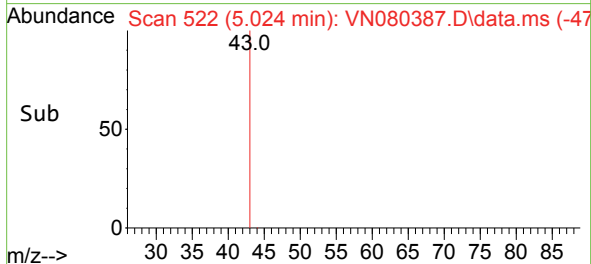
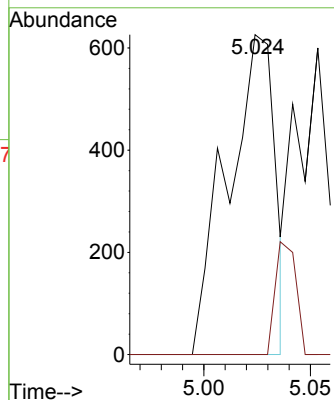
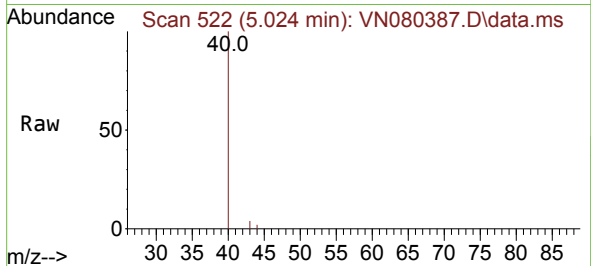




#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

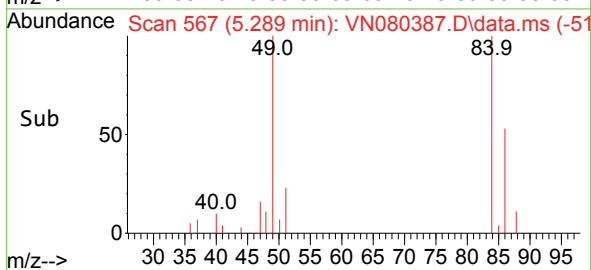
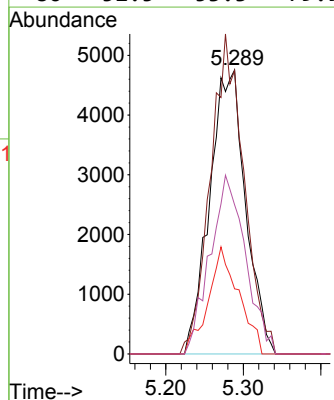
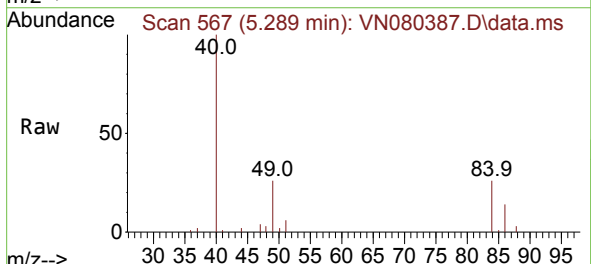
Instrument :
MSVOA_N
ClientSampleId :

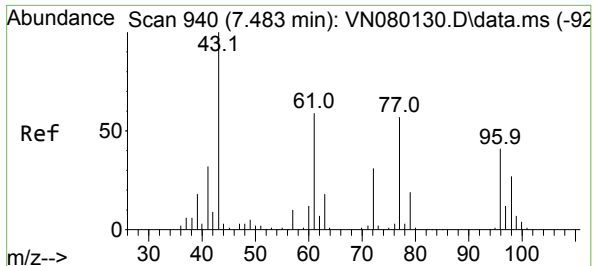
Tgt Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
74 15.3 26.2 39.4#



#20
Methylene Chloride
Concen: 7.124 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Tgt Ion: 84 Resp: 15358
Ion Ratio Lower Upper
84 100
49 99.8 79.7 119.5
51 22.9 25.2 37.8#
86 52.5 53.3 79.9#





#25

2-Butanone

Concen: 13.878 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN080387.D

Acq: 06 Dec 2023 15:35

Instrument :

MSVOA_N

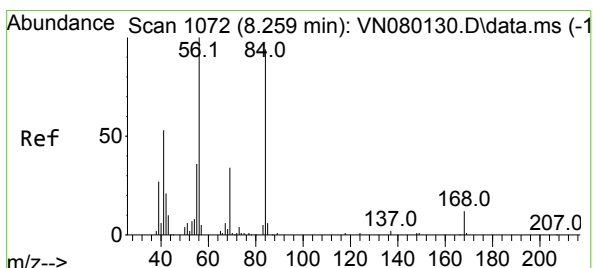
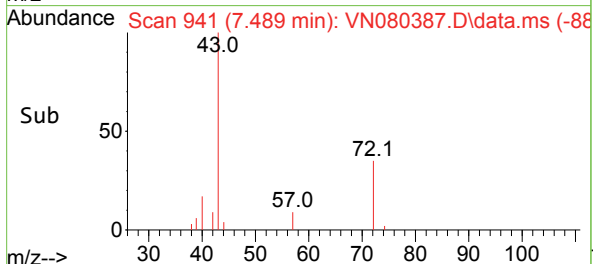
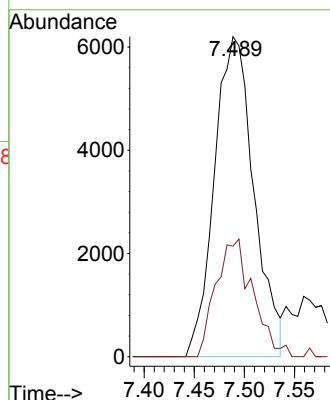
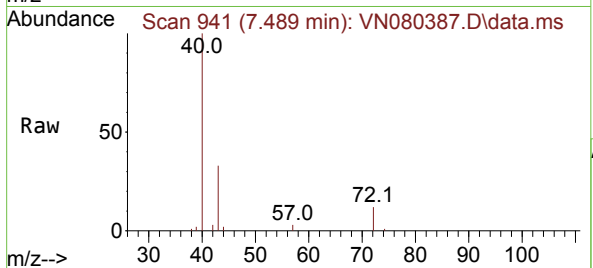
ClientSampleId :

Tgt Ion: 43 Resp: 16974

Ion Ratio Lower Upper

43 100

72 34.6 30.2 45.2



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN080387.D

Acq: 06 Dec 2023 15:35

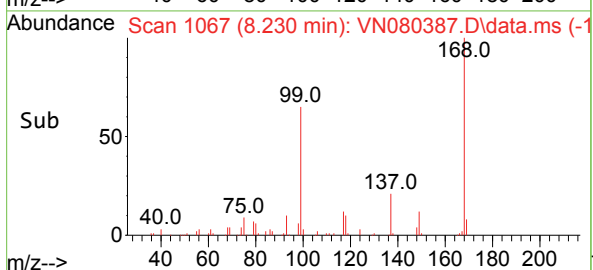
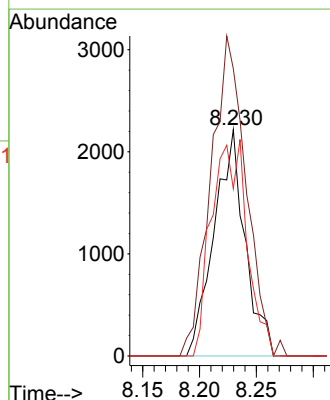
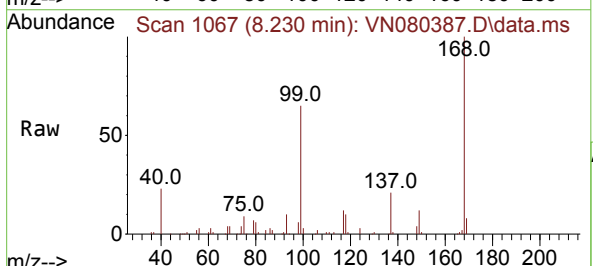
Tgt Ion: 56 Resp: 4202

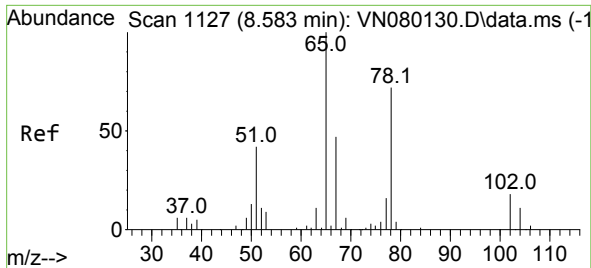
Ion Ratio Lower Upper

56 100

69 126.8 26.8 40.2#

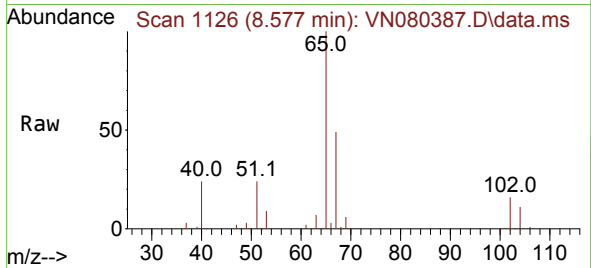
84 73.9 81.8 122.6#



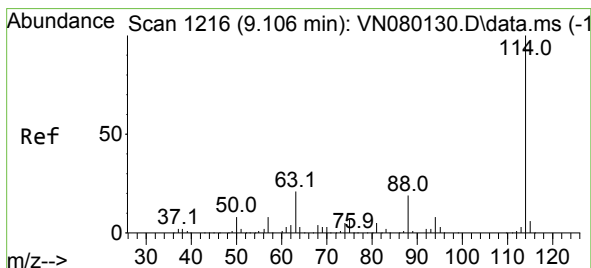
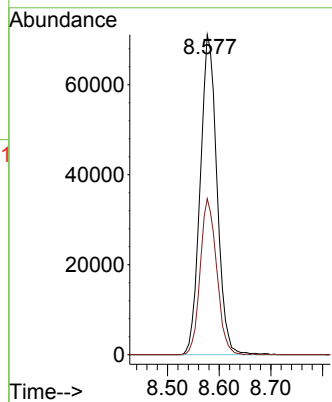
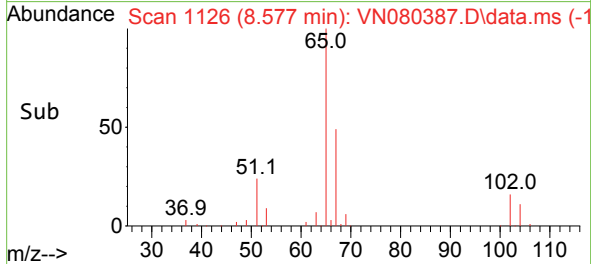


#33
1,2-Dichloroethane-d4
Concen: 52.181 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

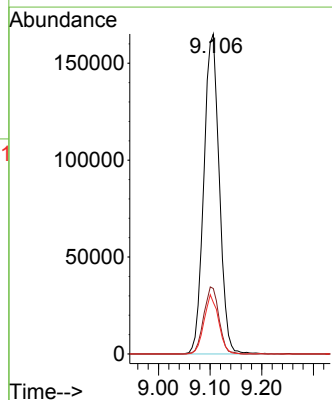
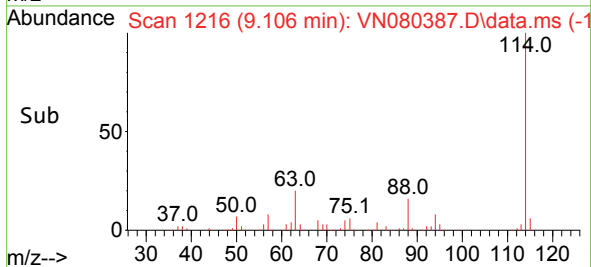
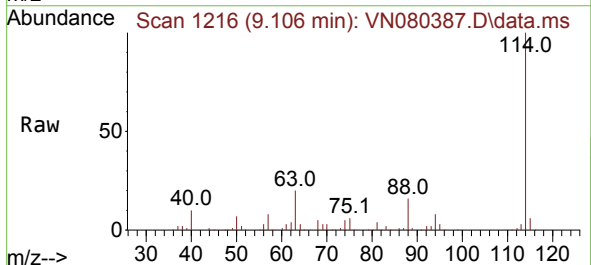


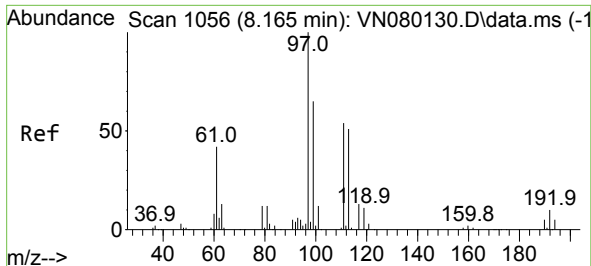
Tgt Ion: 65 Resp: 159927
Ion Ratio Lower Upper
65 100
67 47.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

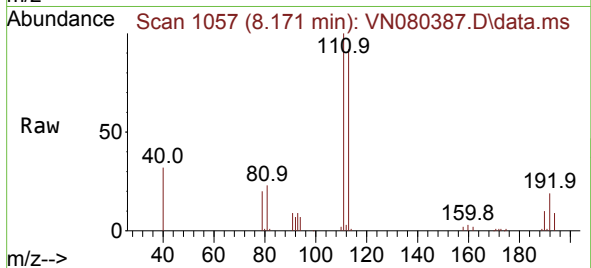
Tgt Ion: 114 Resp: 342717
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.4
88 16.1 0.0 30.6



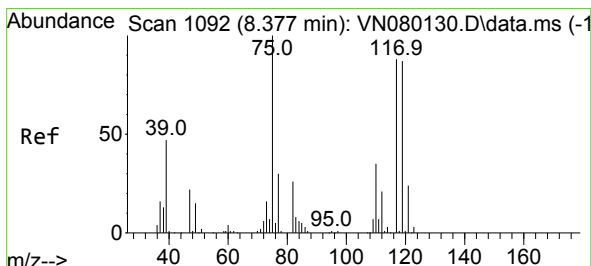
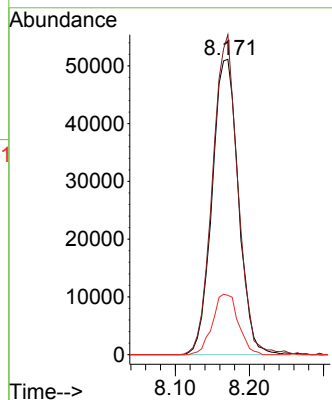
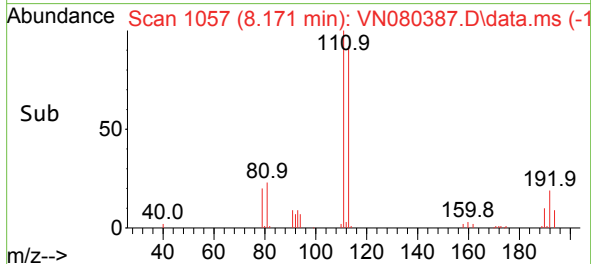


#35
 Dibromofluoromethane
 Concen: 49.844 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN080387.D
 Acq: 06 Dec 2023 15:35

Instrument :
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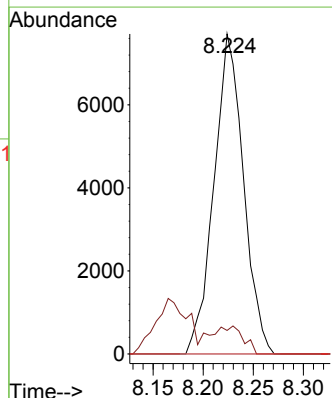
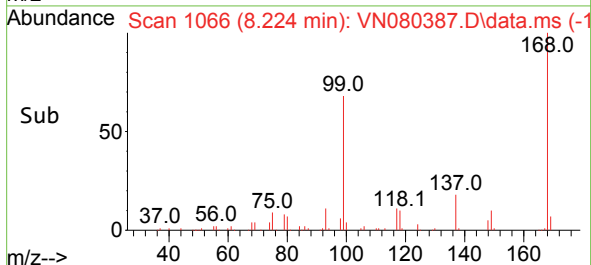
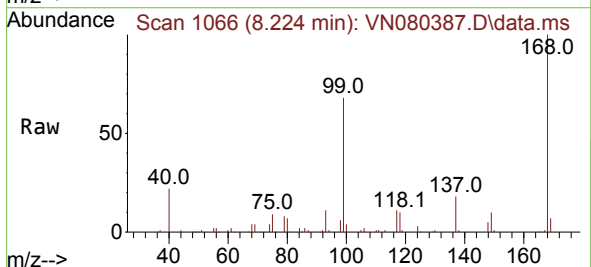


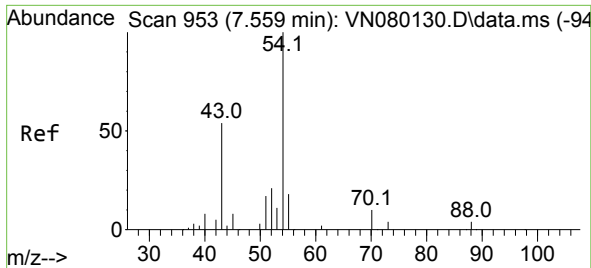
Tgt Ion:113 Resp: 126046
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.6 123.8
 192 20.1 12.7 19.1#



#36
 1,1-Dichloropropene
 Concen: 4.303 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080387.D
 Acq: 06 Dec 2023 15:35

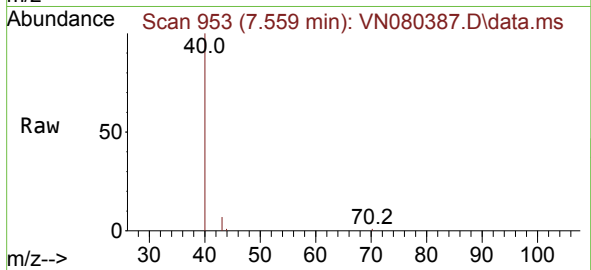
Tgt Ion: 75 Resp: 15754
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.1 57.3#
 77 0.0 25.0 37.4#



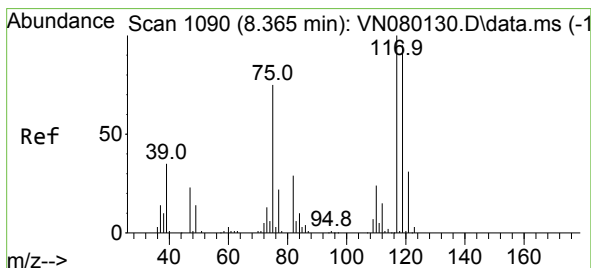
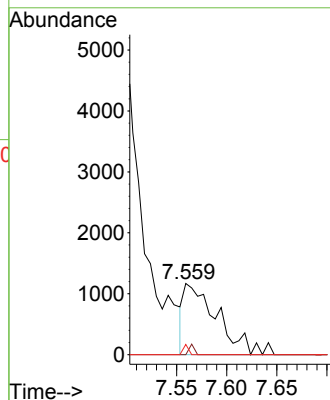
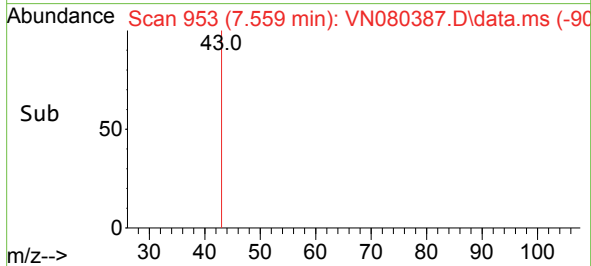


#37
Ethyl Acetate
Concen: 1.071 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

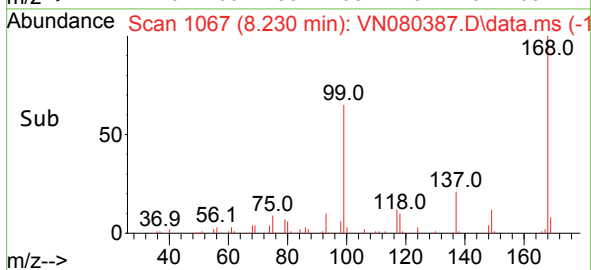
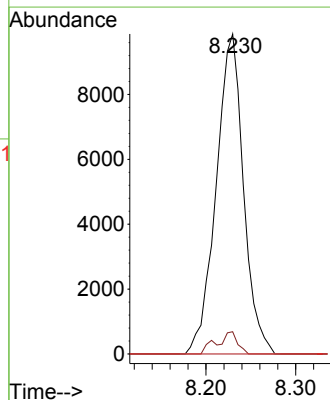
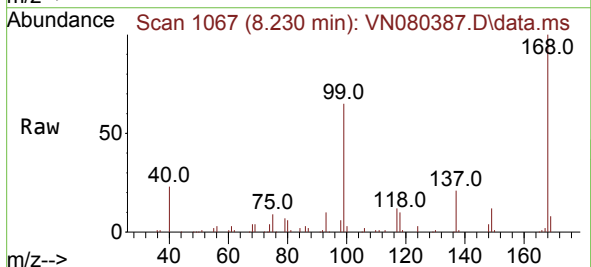


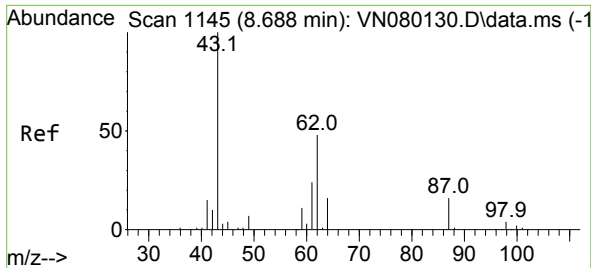
Tgt Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
61 2.2 13.2 19.8#
70 2.2 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.491 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Tgt Ion: 117 Resp: 20866
Ion Ratio Lower Upper
117 100
119 7.0 77.3 115.9#
121 0.0 23.3 34.9#

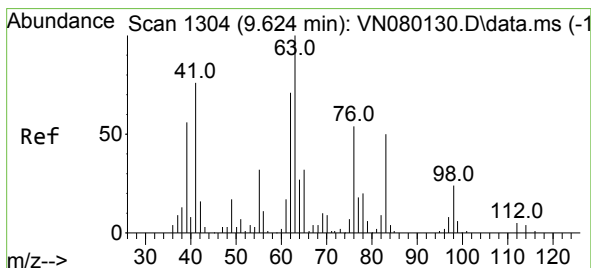
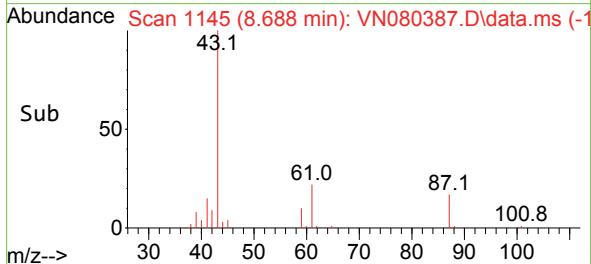
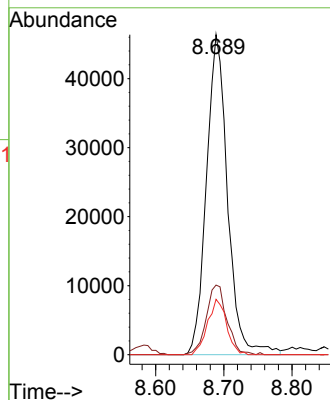
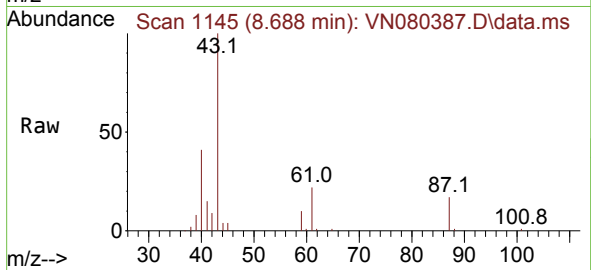




#43
Isopropyl Acetate
Concen: 20.252 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

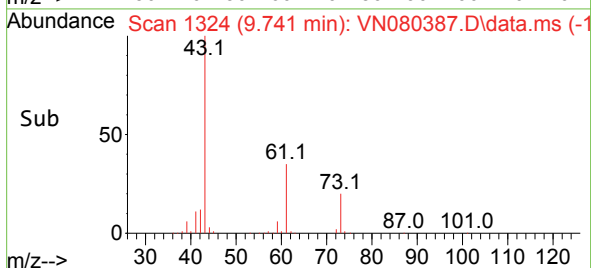
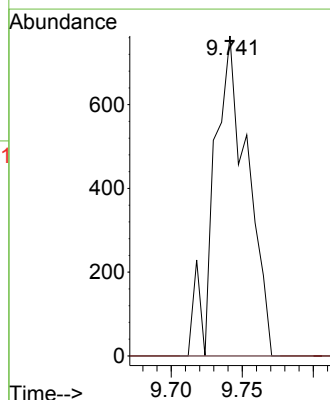
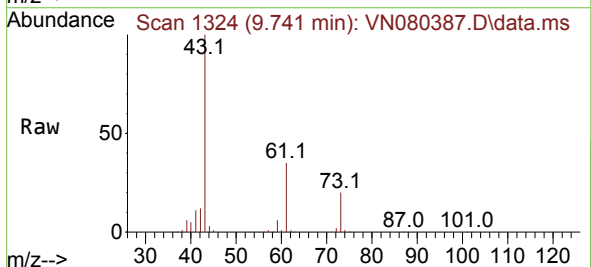
Instrument :
MSVOA_N
ClientSampleId :

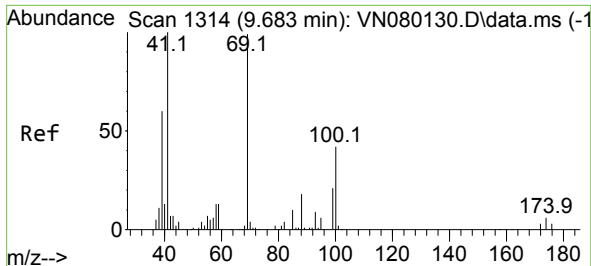
Tgt Ion: 43 Resp: 100085
Ion Ratio Lower Upper
43 100
61 21.1 24.7 37.1#
87 15.5 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.520 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Tgt Ion: 63 Resp: 1257
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 2.093 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN080387.D

Acq: 06 Dec 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

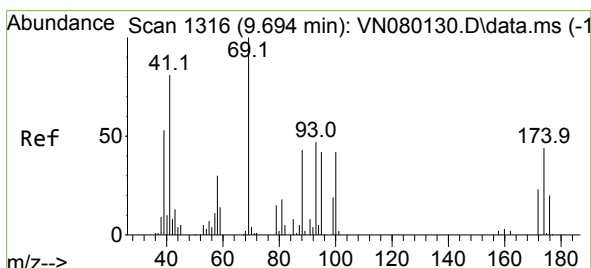
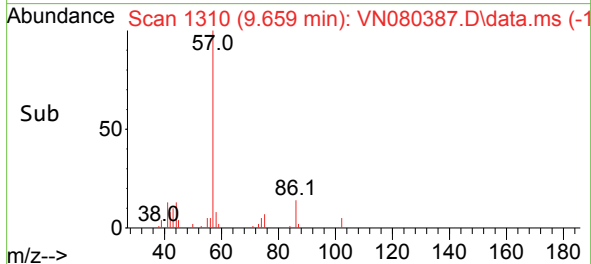
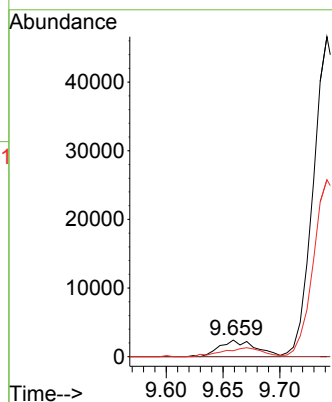
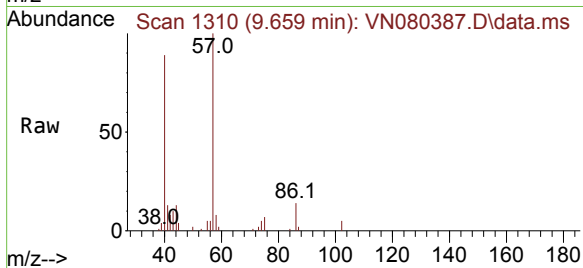
Tgt Ion: 41 Resp: 5330

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 59.1 54.6 81.8



#49

1,4-Dioxane

Concen: 1.322 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN080387.D

Acq: 06 Dec 2023 15:35

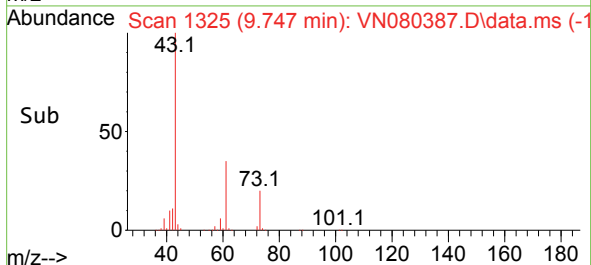
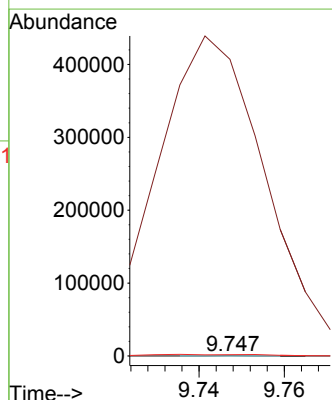
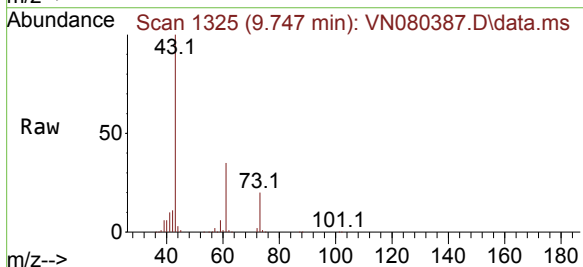
Tgt Ion: 88 Resp: 56

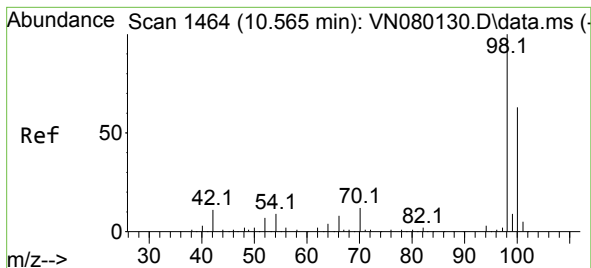
Ion Ratio Lower Upper

88 100

43 1444728.6 17.0 25.6#

58 7710.7 47.0 70.4#

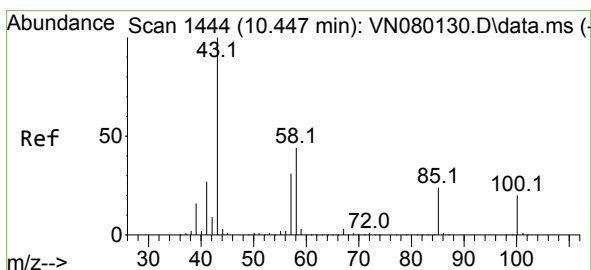
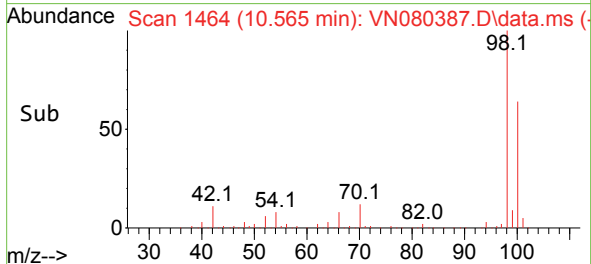
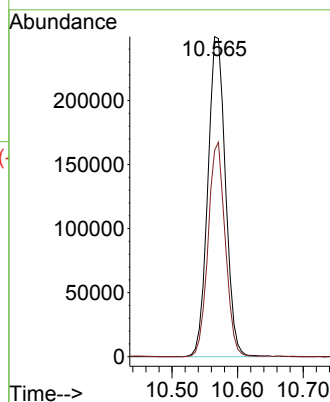
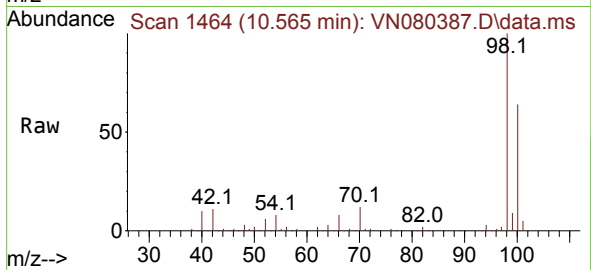




#50
Toluene-d8
Concen: 51.281 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

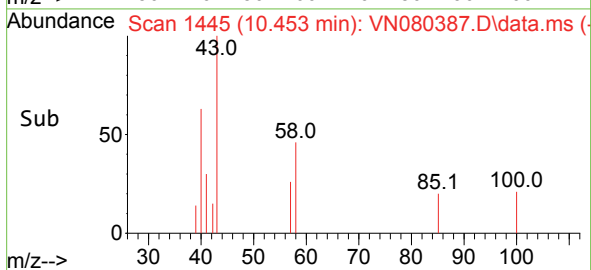
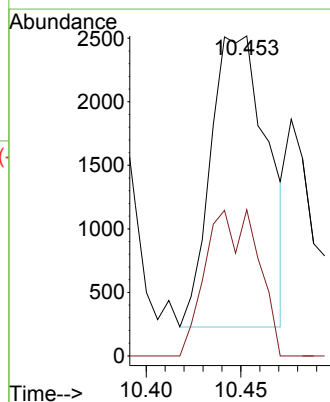
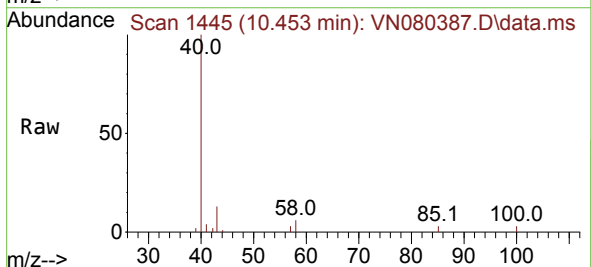
Instrument :
MSVOA_N
ClientSampleId :

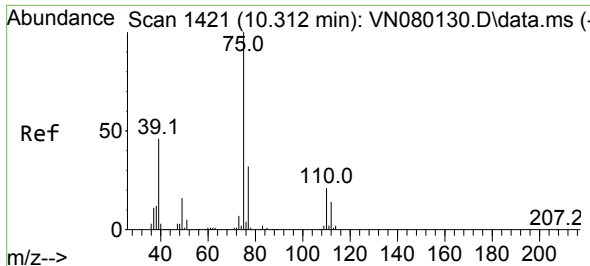
Tgt Ion: 98 Resp: 467470
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.864 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

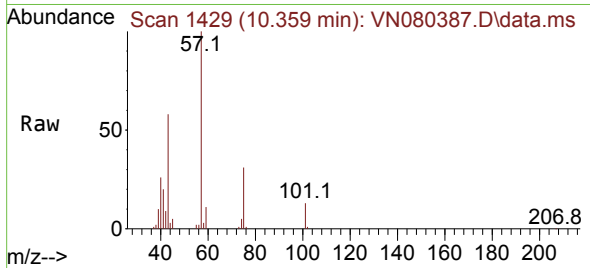
Tgt Ion: 43 Resp: 4769
Ion Ratio Lower Upper
43 100
58 46.2 36.6 54.8



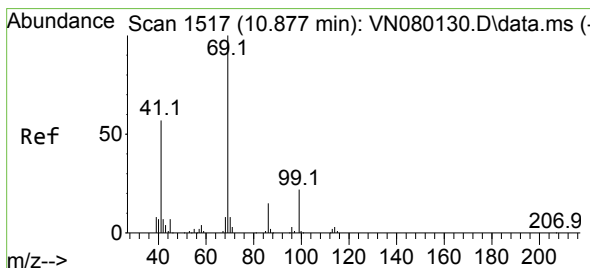
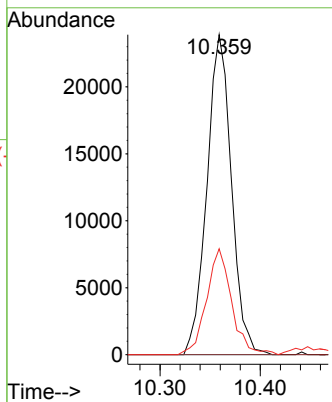
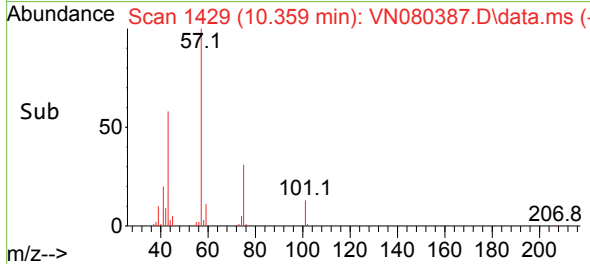


#54
 cis-1,3-Dichloropropene
 Concen: 9.613 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080387.D
 Acq: 06 Dec 2023 15:35

Instrument :
 MSVOA_N
 ClientSampleId :

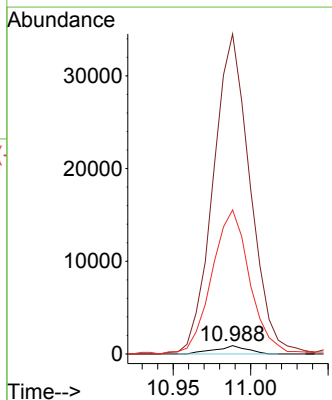
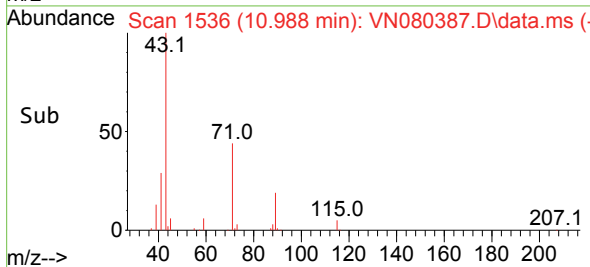
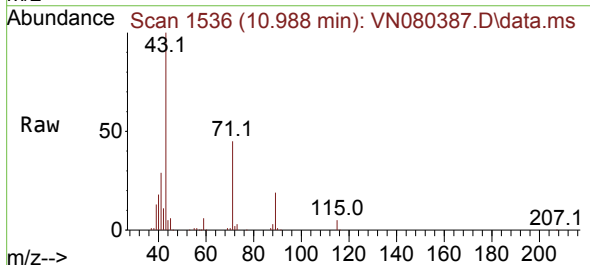


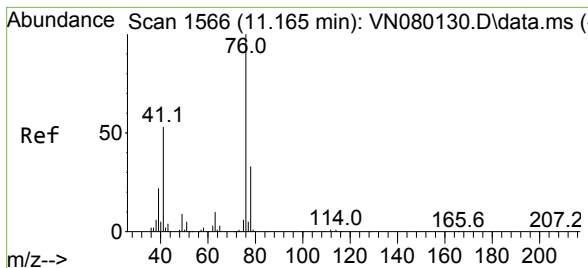
Tgt Ion: 75 Resp: 40630
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 33.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.505 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080387.D
 Acq: 06 Dec 2023 15:35

Tgt Ion: 69 Resp: 1281
 Ion Ratio Lower Upper
 69 100
 41 4471.8 39.6 59.4#
 39 2072.4 28.6 43.0#

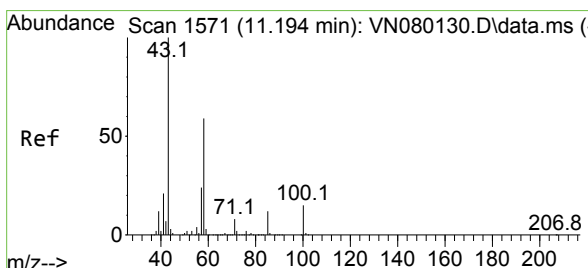
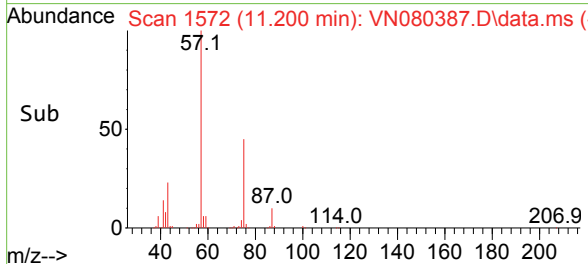
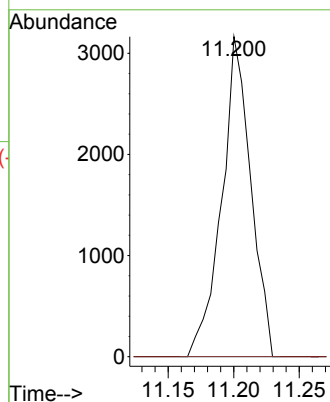
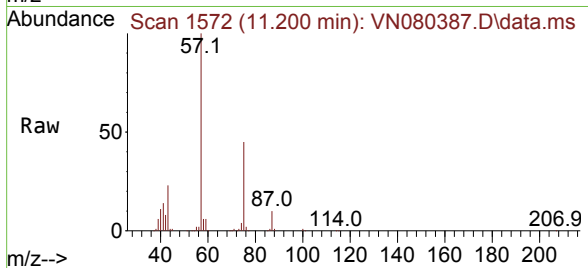




#57
1,3-Dichloropropane
Concen: 1.125 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

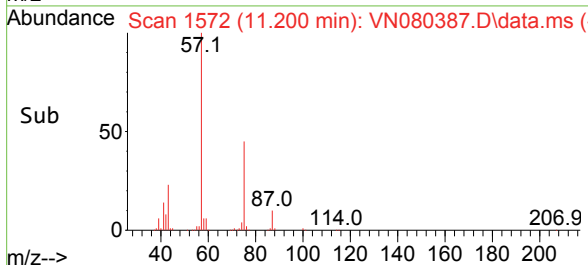
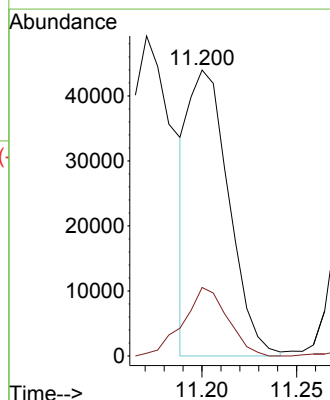
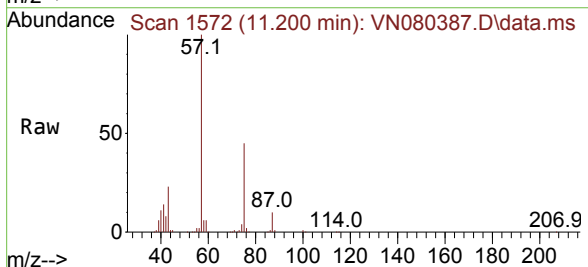
Instrument :
MSVOA_N
ClientSampleId :

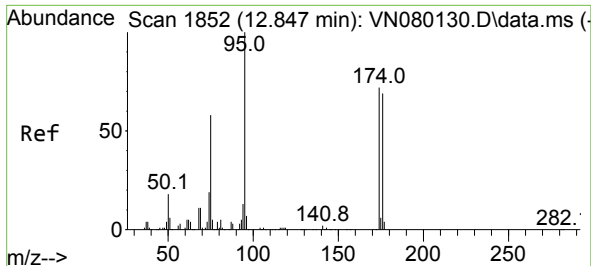
Tgt Ion: 76 Resp: 4882
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 31.625 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Tgt Ion: 43 Resp: 65018
Ion Ratio Lower Upper
43 100
58 26.4 31.7 95.1#

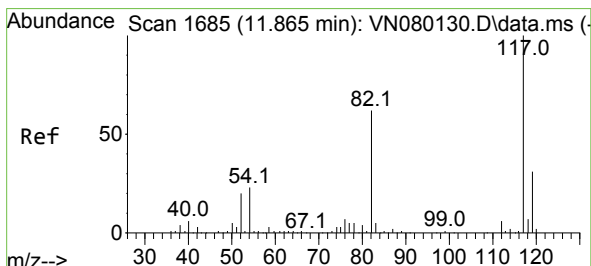
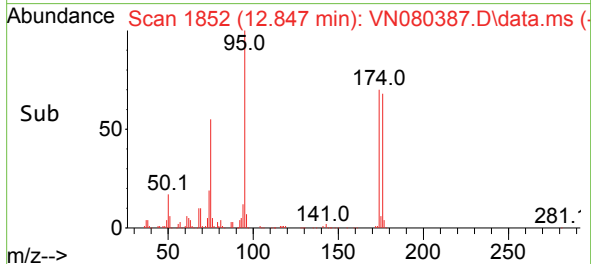
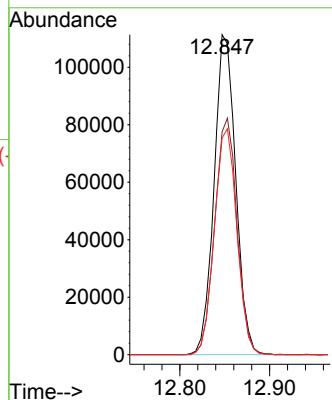
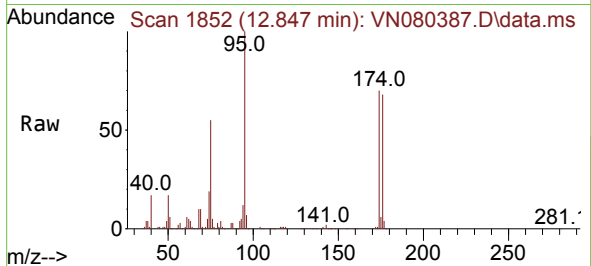




#62
4-Bromofluorobenzene
Concen: 54.108 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

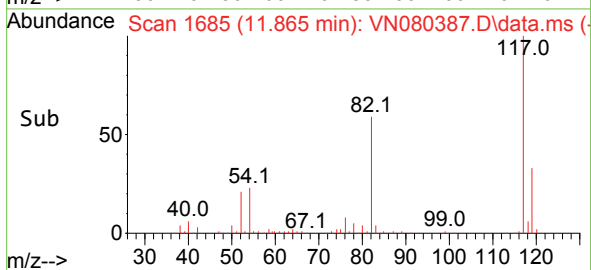
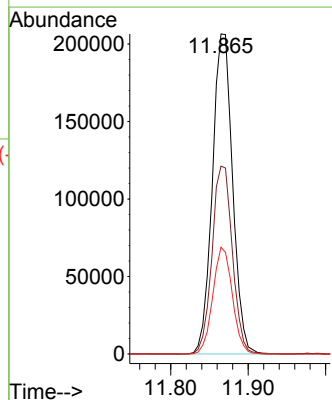
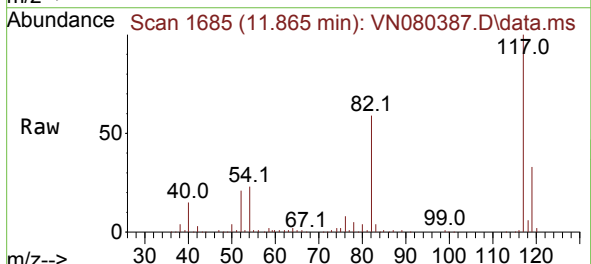
Instrument :
MSVOA_N
ClientSampleId :

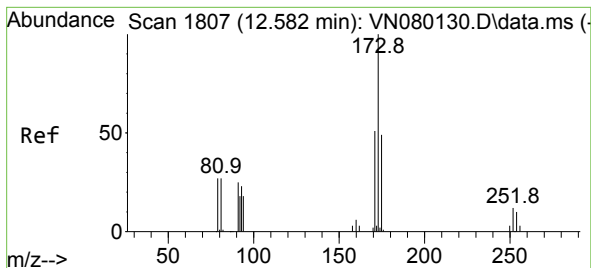
Tgt Ion: 95 Resp: 186304
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

Tgt Ion: 117 Resp: 374579
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 33.4 25.6 38.4





#71

Bromoform

Concen: 0.255 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN080387.D

Acq: 06 Dec 2023 15:35

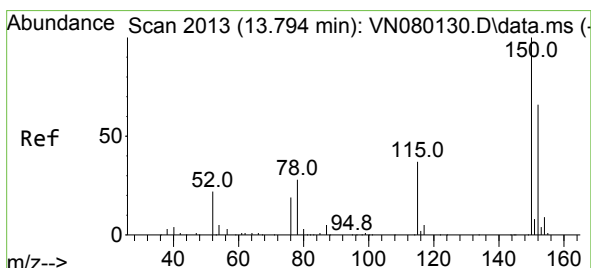
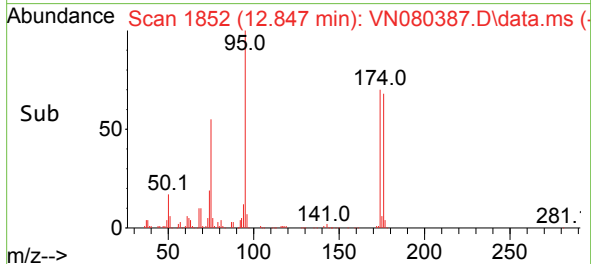
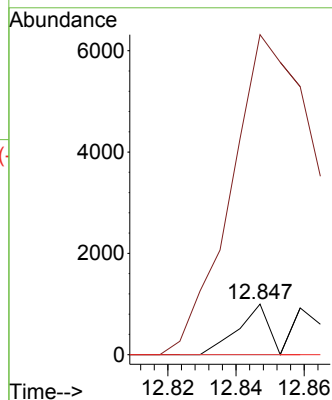
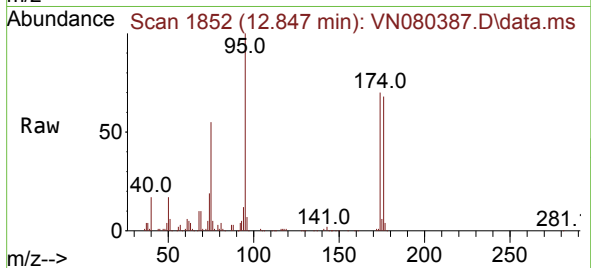
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 623

Ion	Ratio	Lower	Upper
173	100		
175	1429.2	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

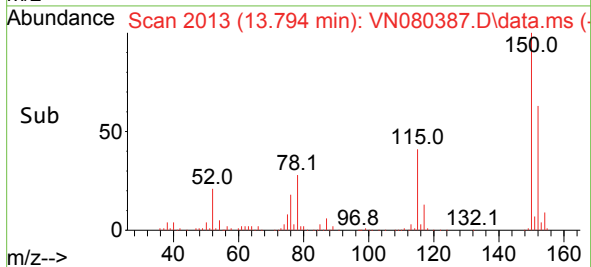
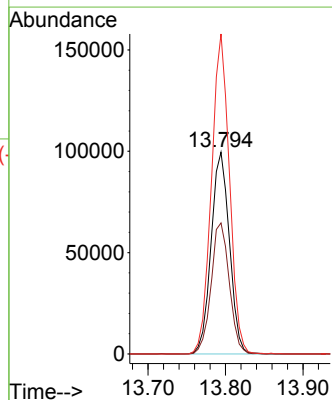
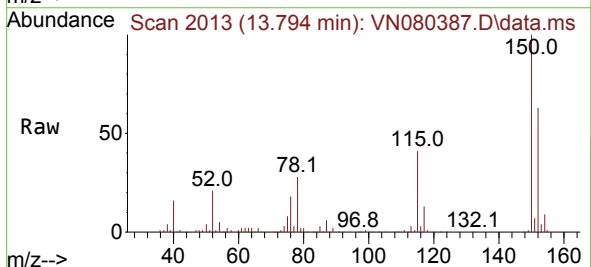
Delta R.T. 0.000 min

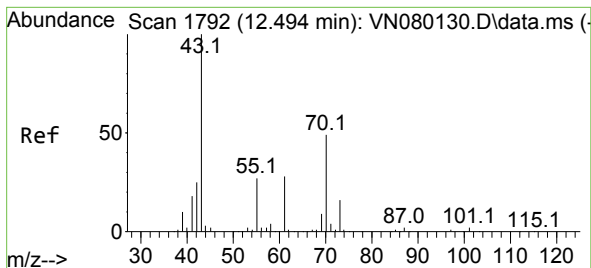
Lab File: VN080387.D

Acq: 06 Dec 2023 15:35

Tgt Ion:152 Resp: 163424

Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.3	96.8
150	155.5	0.0	355.8





#74

N-amy1 acetate

Concen: 0.855 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.029 min

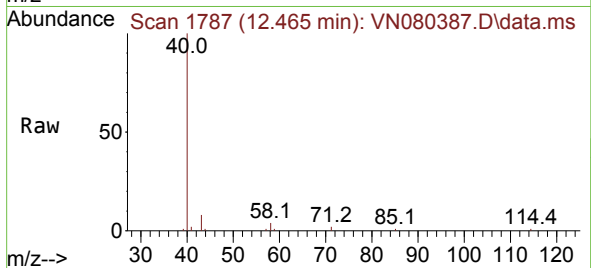
Lab File: VN080387.D

Acq: 06 Dec 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 3386

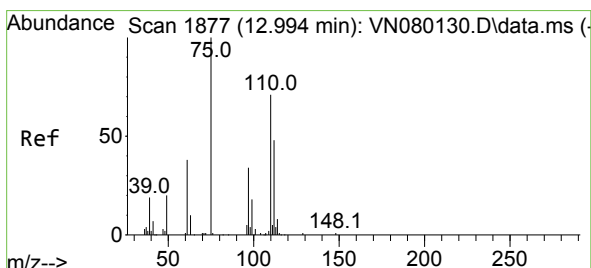
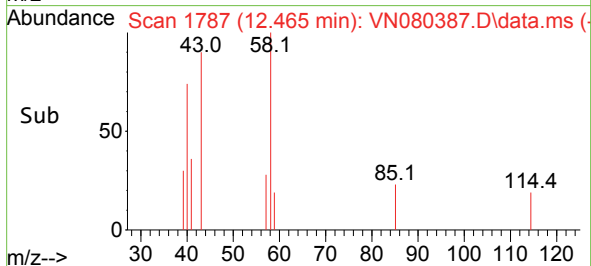
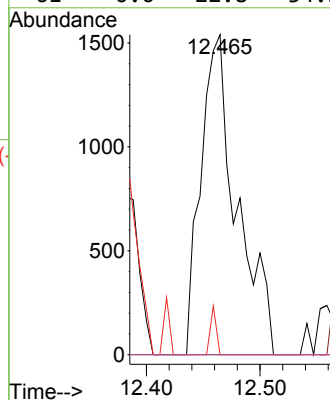
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 2.5 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 25.498 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080387.D

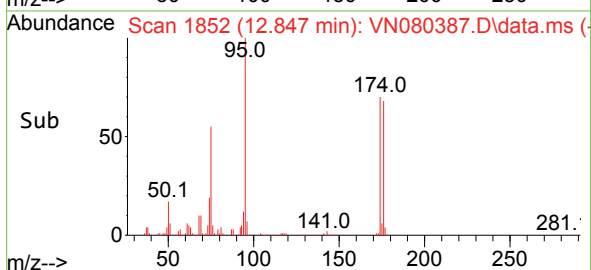
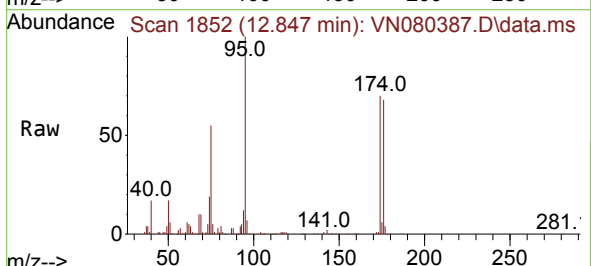
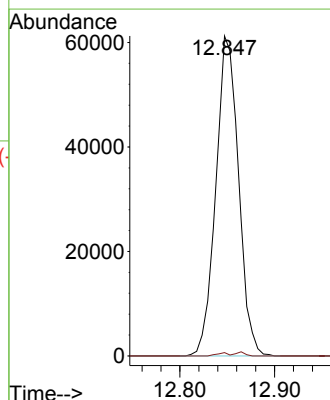
Acq: 06 Dec 2023 15:35

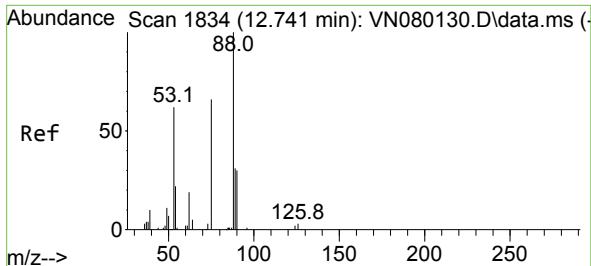
Tgt Ion: 75 Resp: 102098

Ion Ratio Lower Upper

75 100

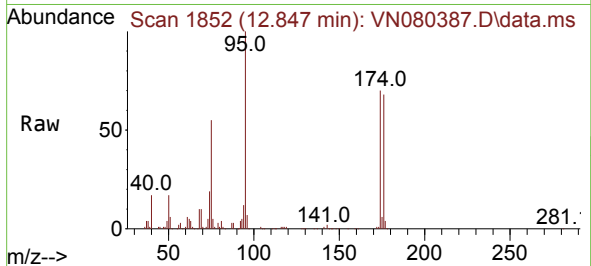
77 0.5 84.5 253.5#



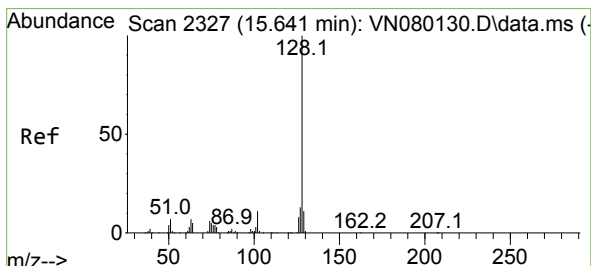
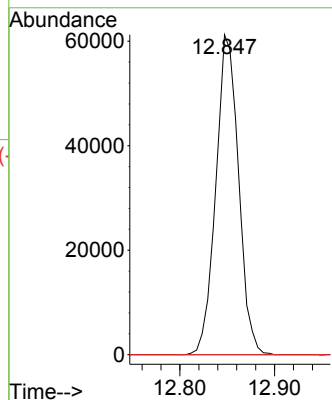
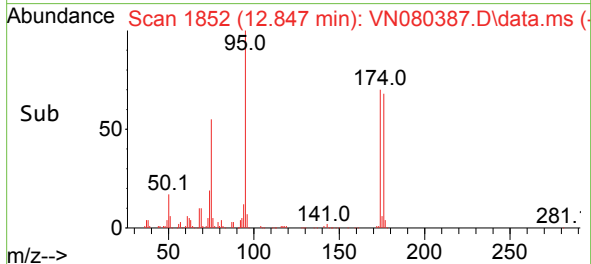


#81
trans-1,4-Dichloro-2-butene
Concen: 86.147 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35

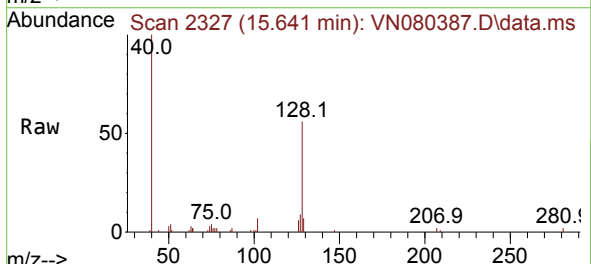
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 102098
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.476 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080387.D
Acq: 06 Dec 2023 15:35



Tgt Ion: 128 Resp: 23056
Ion Ratio Lower Upper
128 100
127 14.8 10.0 15.0
129 13.3 8.7 13.1#

