

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082377.D
 Acq On : 29 May 2024 17:53
 Operator : JC\MD
 Sample : PB161143TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:46:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	184234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	331685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	323198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	149259	51.308	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.620%			
35) Dibromofluoromethane	8.171	113	105392	51.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	10.571	98	423767	54.172	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.340%			
62) 4-Bromofluorobenzene	12.853	95	154728	55.417	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 110.840%			
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	363	0.223	ug/l #	74
6) Chloroethane	3.083	64	382	0.207	ug/l #	87
11) Tert butyl alcohol	5.518	59	571	1.223	ug/l #	71
16) Acetone	4.436	43	33808	28.330	ug/l	97
18) Methyl Acetate	5.042	43	1846	0.621	ug/l #	47
20) Methylene Chloride	5.283	84	13047	5.419	ug/l #	80
25) 2-Butanone	7.488	43	3156	1.744	ug/l #	72
29) Tetrahydrofuran	7.865	42	753	0.648	ug/l #	29
31) Cyclohexane	8.230	56	5489	1.181	ug/l #	53
36) 1,1-Dichloropropene	8.230	75	16471	4.813	ug/l #	49
37) Ethyl Acetate	7.565	43	4997	1.305	ug/l #	77
38) Carbon Tetrachloride	8.224	117	20259	5.840	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1328	0.338	ug/l #	73
43) Isopropyl Acetate	8.688	43	331263	48.816	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1898	0.721	ug/l #	45
48) Methyl methacrylate	9.665	41	5384	1.665	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	7383	1.915	ug/l	88
53) t-1,3-Dichloropropene	10.724	75	1107	0.293	ug/l #	54
54) cis-1,3-Dichloropropene	10.359	75	63101	15.795	ug/l #	74
56) Ethyl methacrylate	10.988	69	1465	0.388	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7839	1.884	ug/l #	42
59) 2-Hexanone	11.171	43	171875	60.883	ug/l #	23
74) N-amyl acetate	12.482	43	1884	0.301	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	89292	29.574	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89292	69.173	ug/l #	12

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

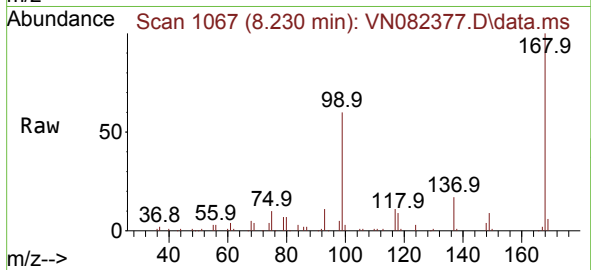
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



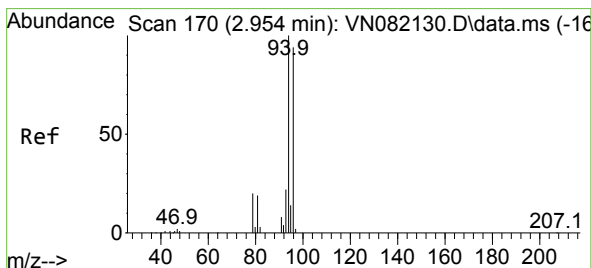
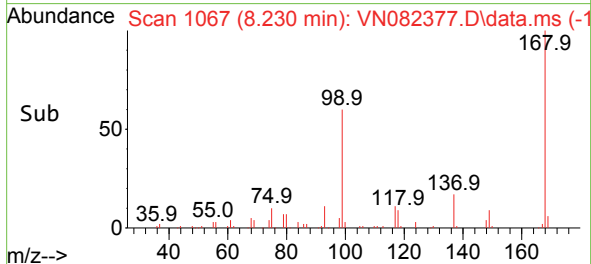
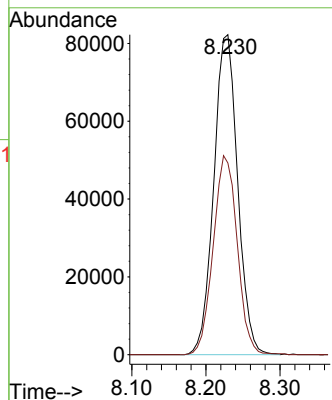


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

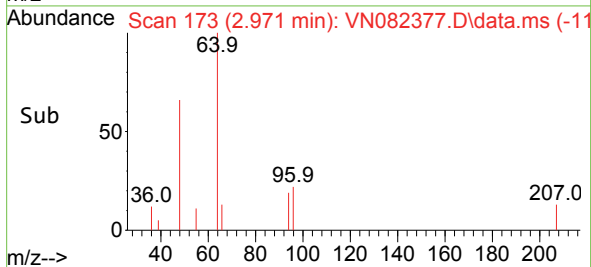
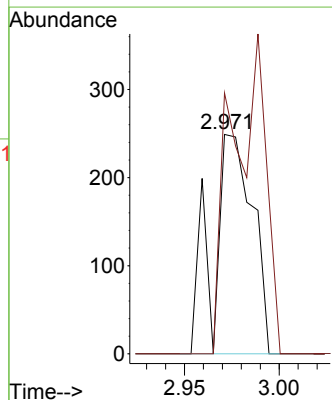
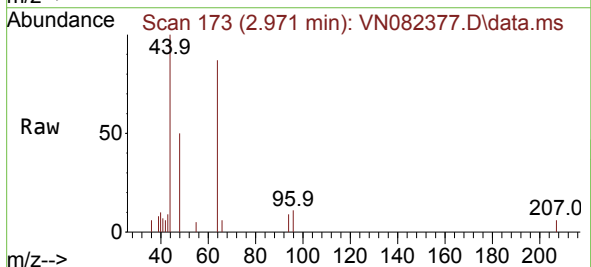


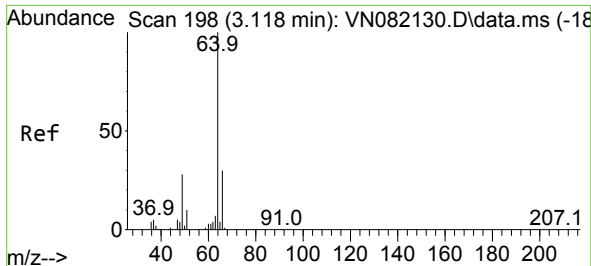
Tgt Ion:168 Resp: 184234
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

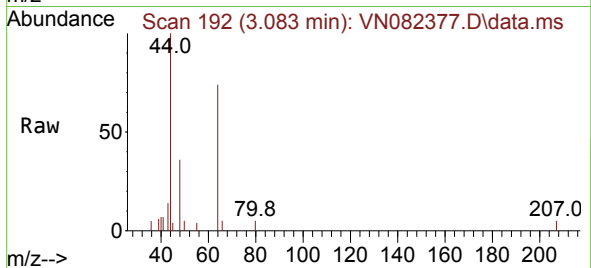
Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 118.9 74.8 112.2#



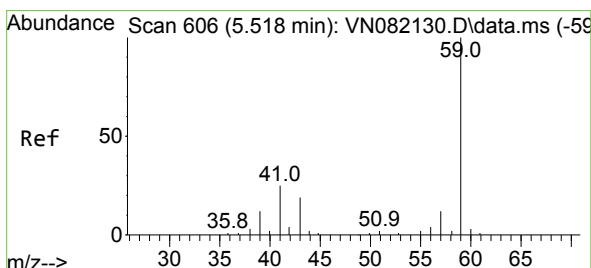
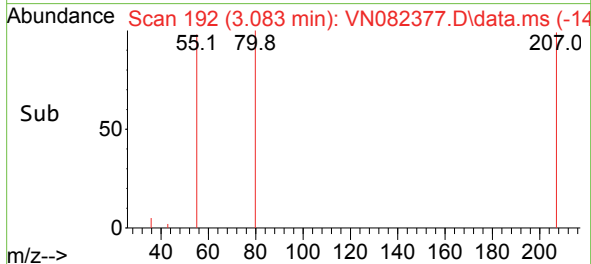
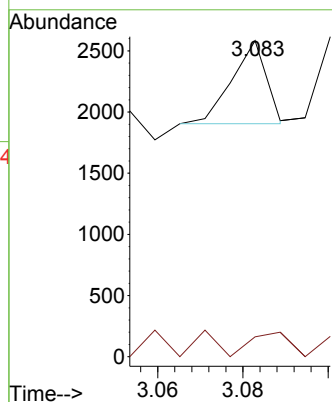


#6
Chloroethane
Concen: 0.207 ug/l
RT: 3.083 min Scan# 198
Delta R.T. -0.035 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

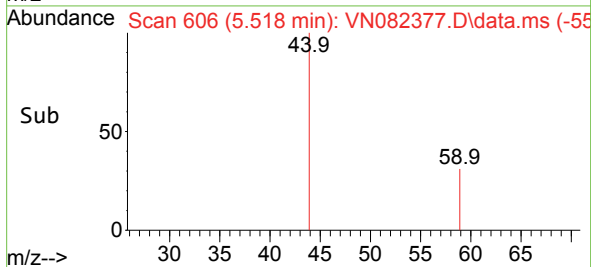
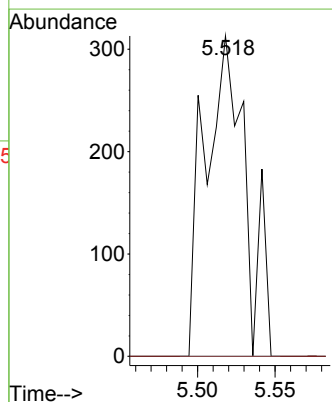
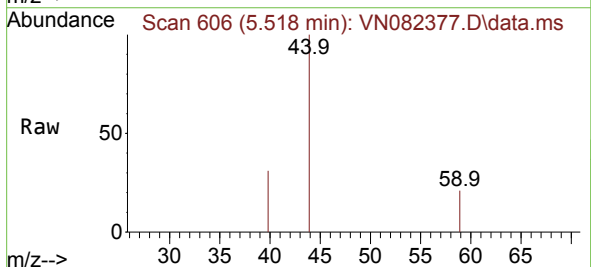


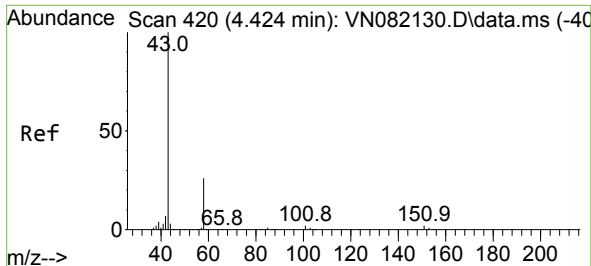
Tgt Ion: 64 Resp: 382
Ion Ratio Lower Upper
64 100
66 24.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 1.223 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

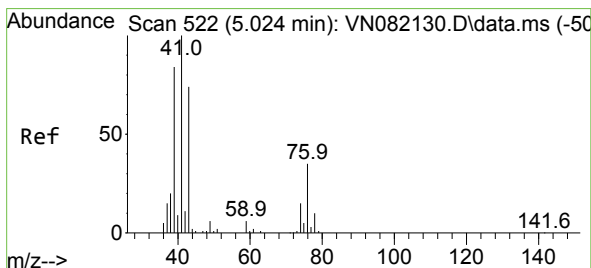
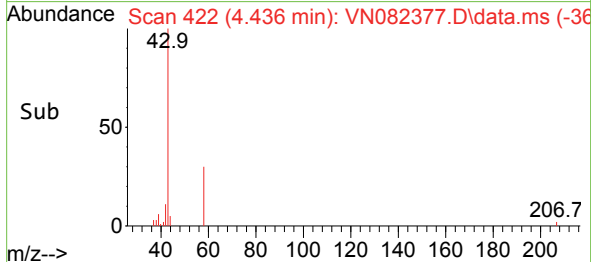
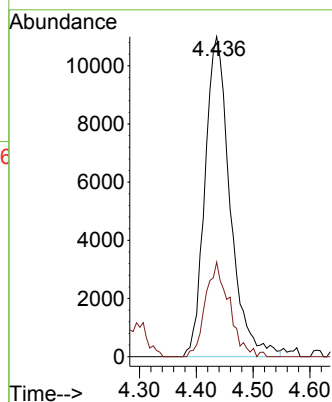
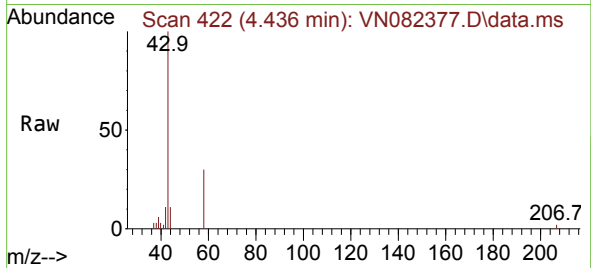




#16
Acetone
Concen: 28.330 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

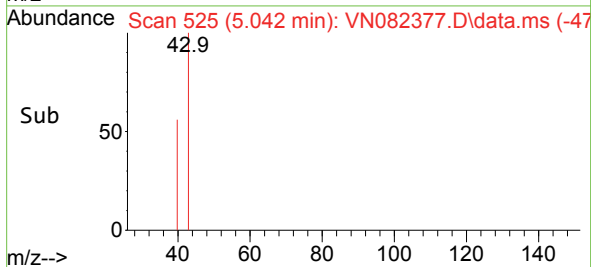
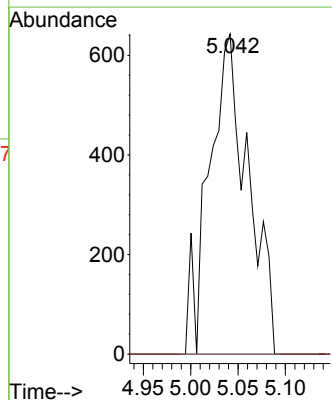
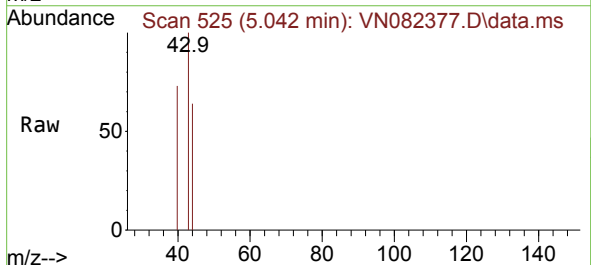
Instrument :
MSVOA_N
ClientSampleId :

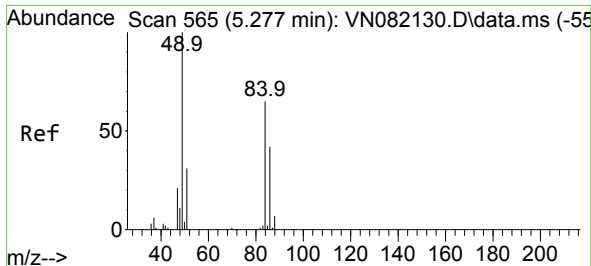
Tgt Ion: 43 Resp: 33808
Ion Ratio Lower Upper
43 100
58 29.6 25.2 37.8



#18
Methyl Acetate
Concen: 0.621 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

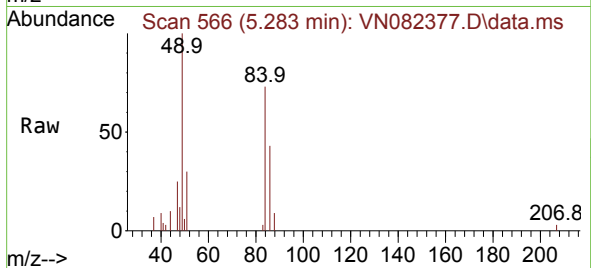
Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



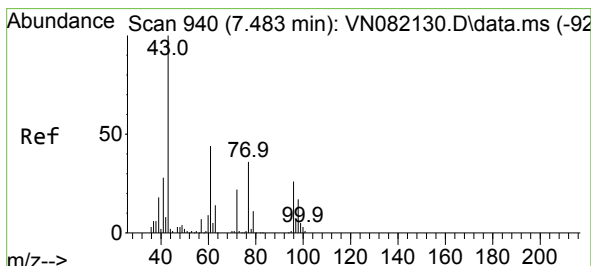
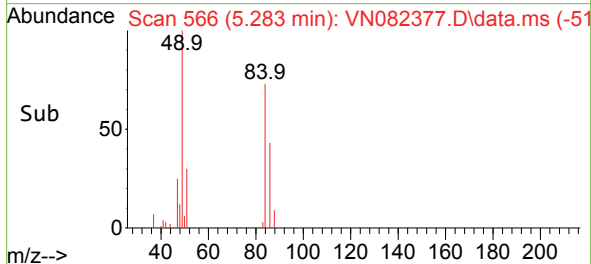
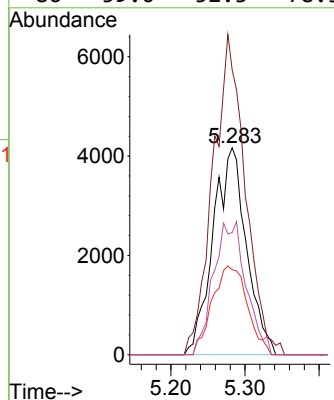


#20
Methylene Chloride
Concen: 5.419 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

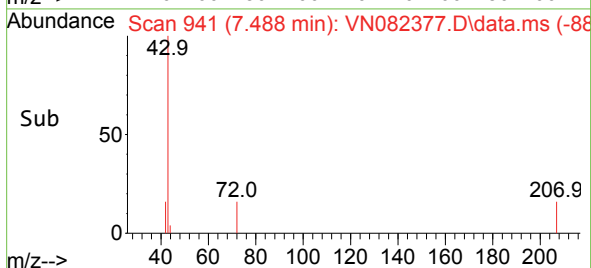
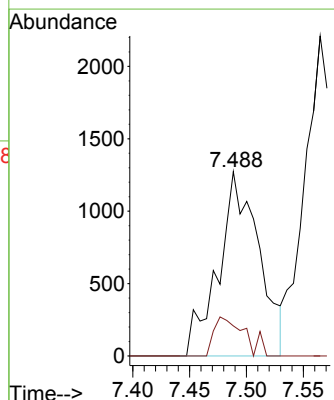
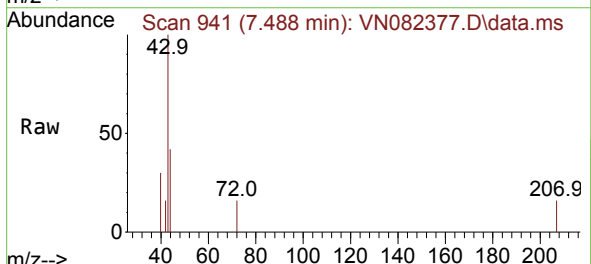


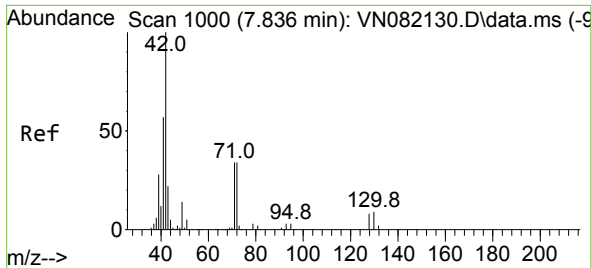
Tgt Ion:	84	Resp:	13047
Ion	Ratio	Lower	Upper
84	100		
49	137.6	84.9	127.3#
51	41.1	27.0	40.6#
86	59.0	52.3	78.5



#25
2-Butanone
Concen: 1.744 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Tgt Ion:	43	Resp:	3156
Ion	Ratio	Lower	Upper
43	100		
72	16.3	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.648 ug/l

RT: 7.865 min Scan# 1067

Delta R.T. 0.029 min

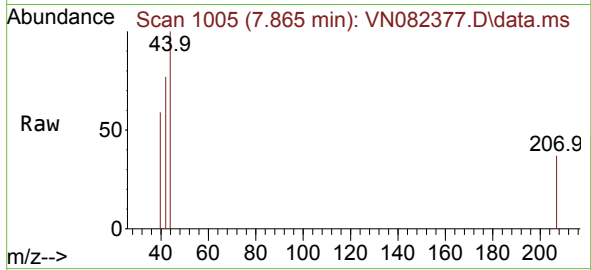
Lab File: VN082377.D

Acq: 29 May 2024 17:53

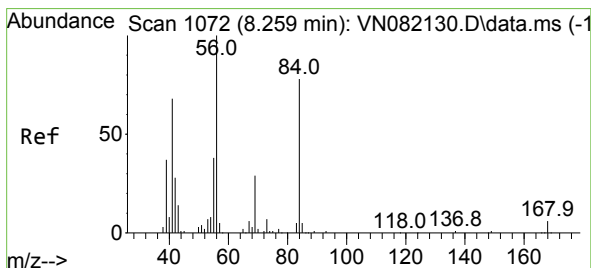
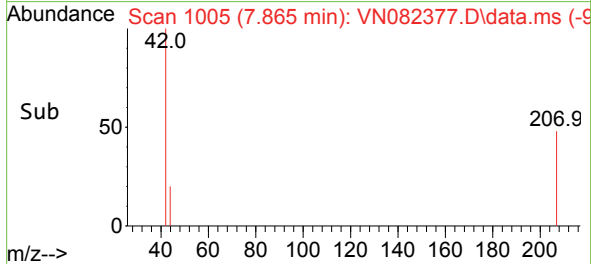
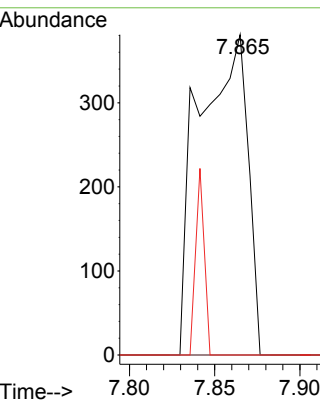
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 753
Ion Ratio	Lower Upper
42	100
72	0.0 39.3 58.9#
71	0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.181 ug/l

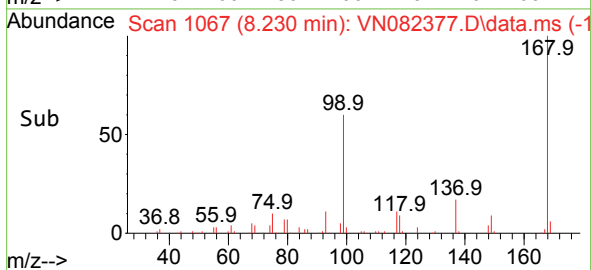
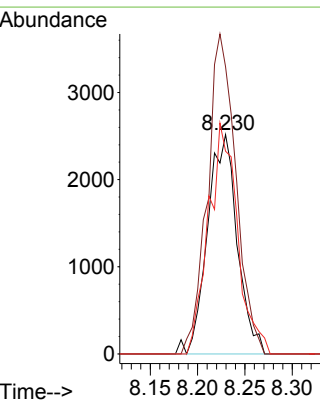
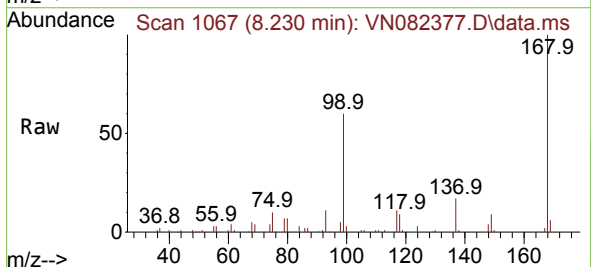
RT: 8.230 min Scan# 1067

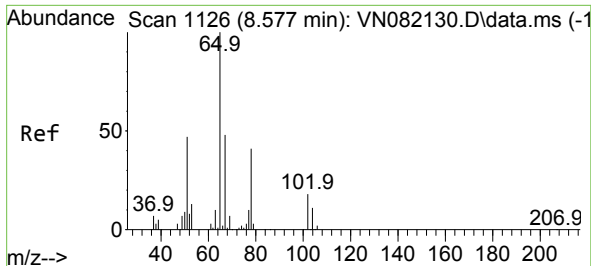
Delta R.T. -0.029 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

Tgt Ion: 56	Resp: 5489
Ion Ratio	Lower Upper
56	100
69	130.9 24.4 36.6#
84	92.4 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 51.308 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

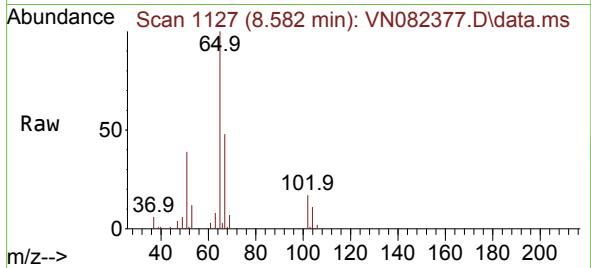
Lab File: VN082377.D

Acq: 29 May 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

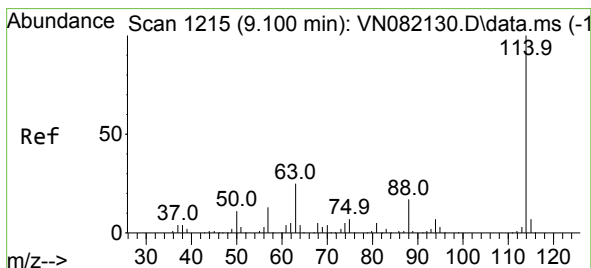
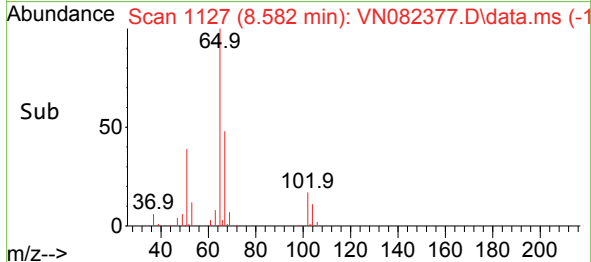
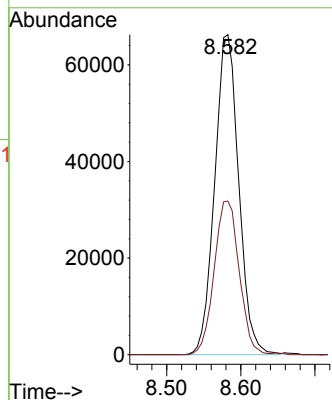


Tgt Ion: 65 Resp: 149259

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

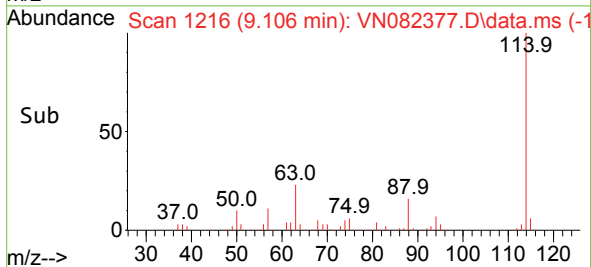
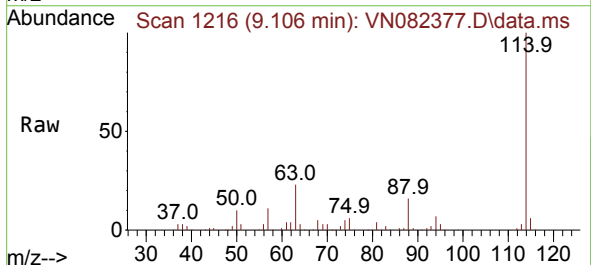
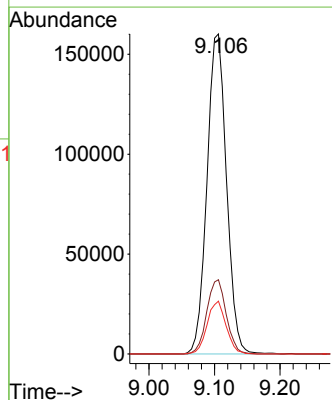
Tgt Ion: 114 Resp: 331685

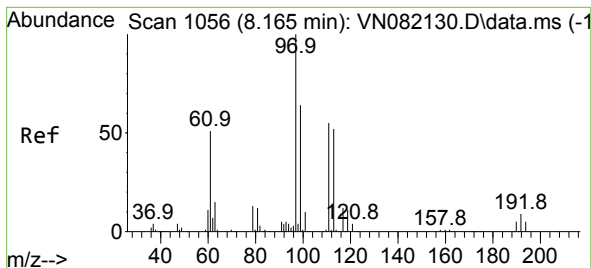
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.0

88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.653 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

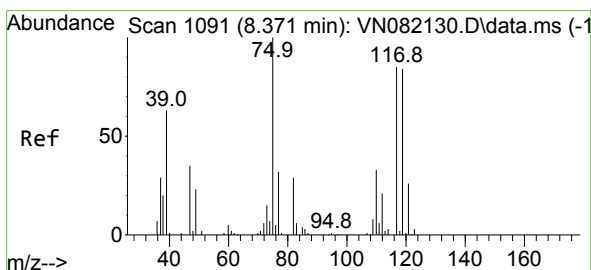
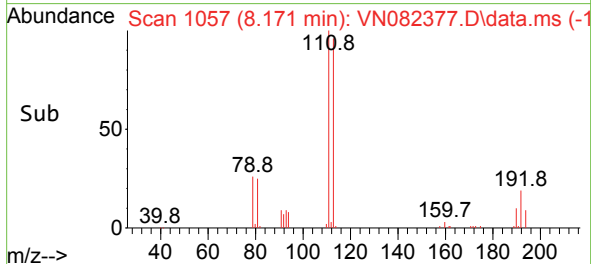
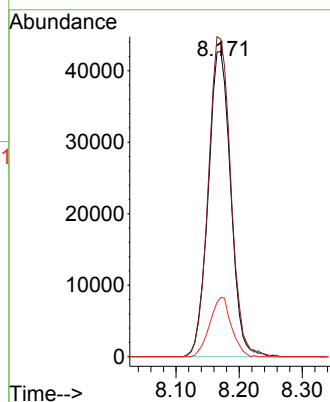
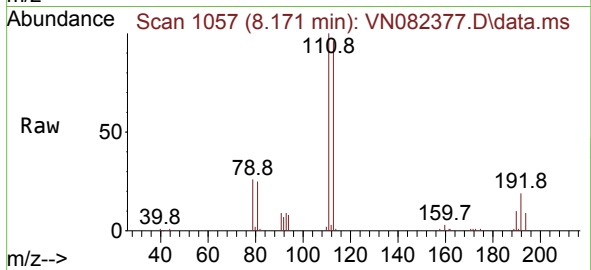
Tgt Ion:113 Resp: 105392

Ion Ratio Lower Upper

113 100

111 105.0 83.4 125.2

192 18.6 14.0 21.0



#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

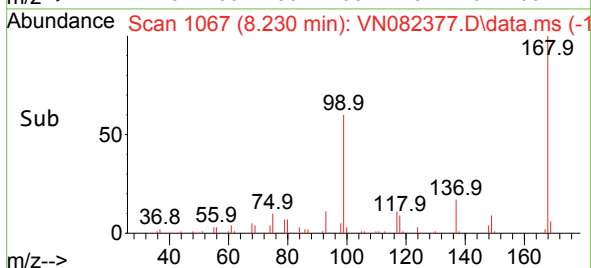
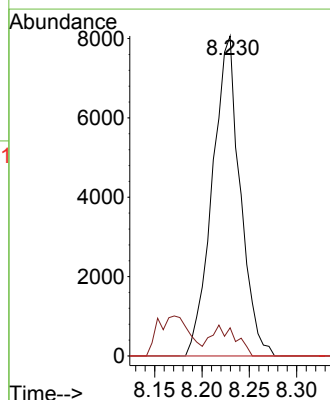
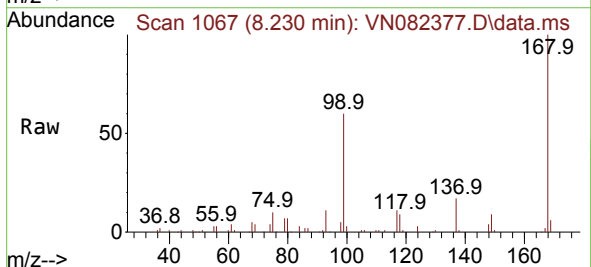
Tgt Ion: 75 Resp: 16471

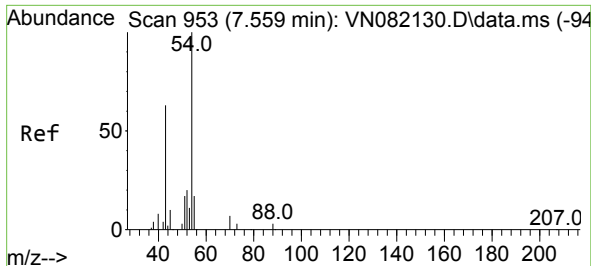
Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.5#

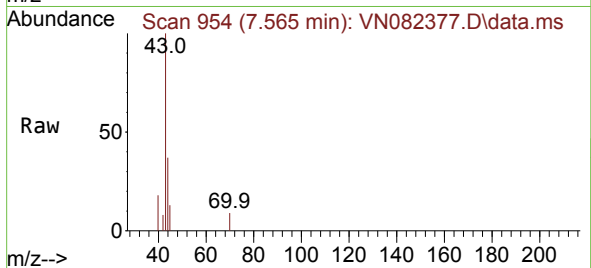
77 0.0 25.0 37.4#



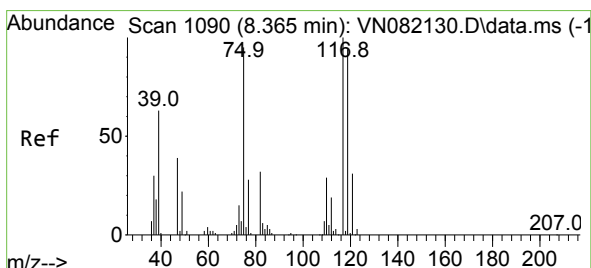
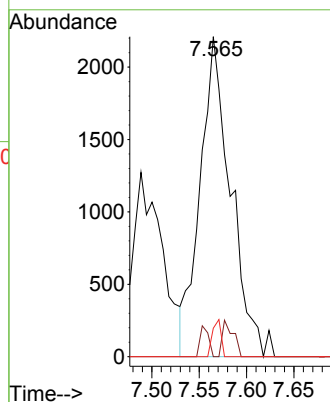
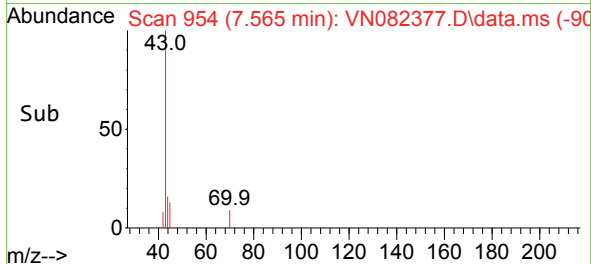


#37
Ethyl Acetate
Concen: 1.305 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

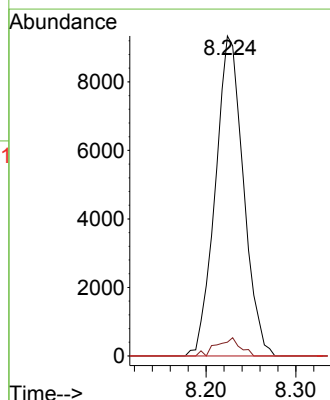
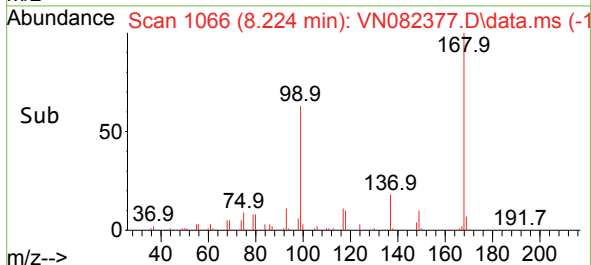
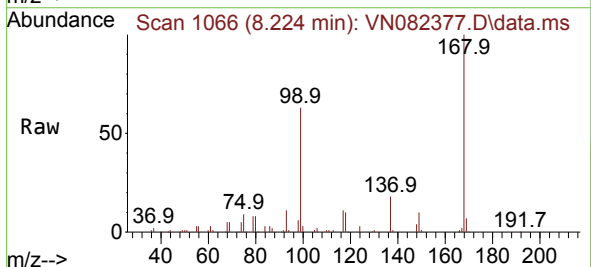


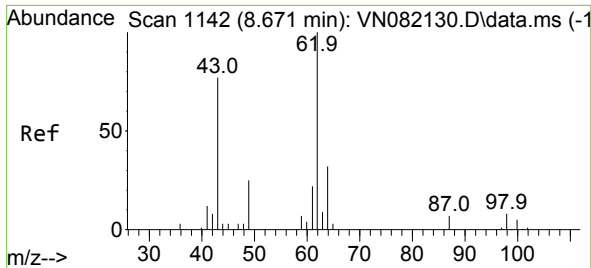
Tgt Ion: 43 Resp: 4997
Ion Ratio Lower Upper
43 100
61 4.0 11.3 16.9#
70 3.2 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.840 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Tgt Ion: 117 Resp: 20259
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.338 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

Instrument :

MSVOA_N

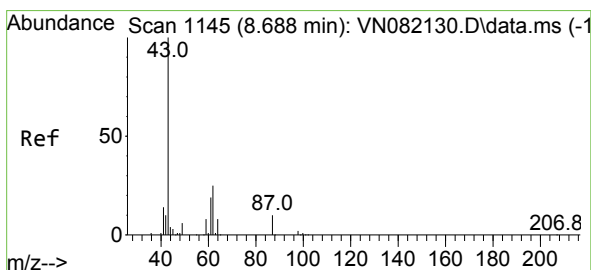
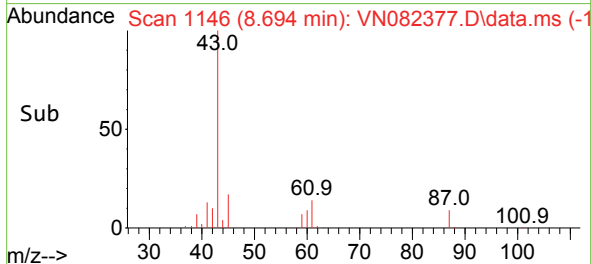
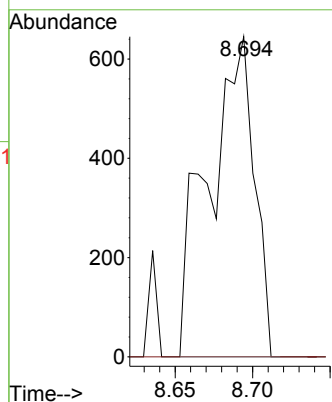
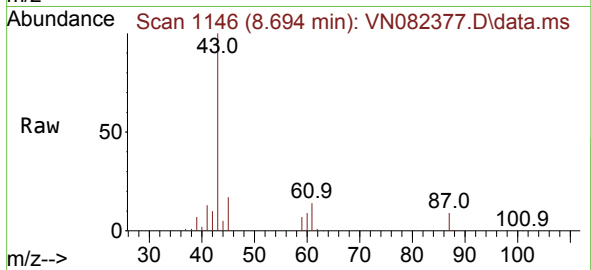
ClientSampleId :

Tgt Ion: 62 Resp: 1328

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 48.816 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

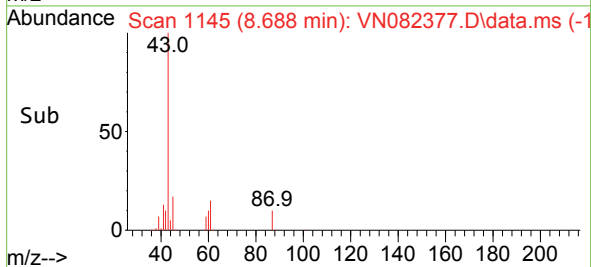
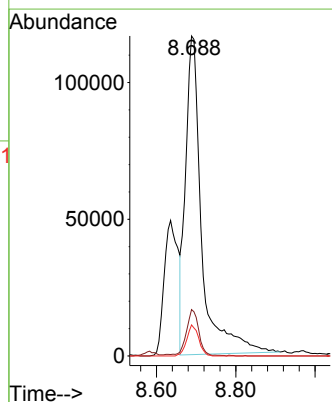
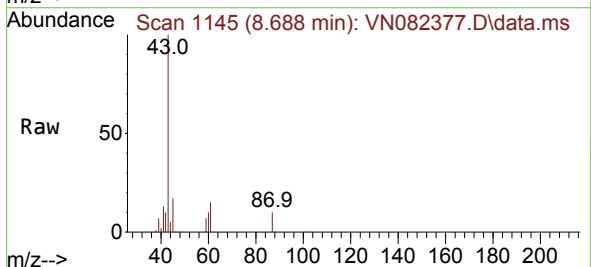
Tgt Ion: 43 Resp: 331263

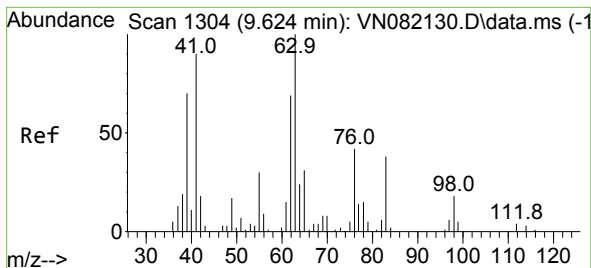
Ion Ratio Lower Upper

43 100

61 11.1 22.8 34.2#

87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.721 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

Instrument :

MSVOA_N

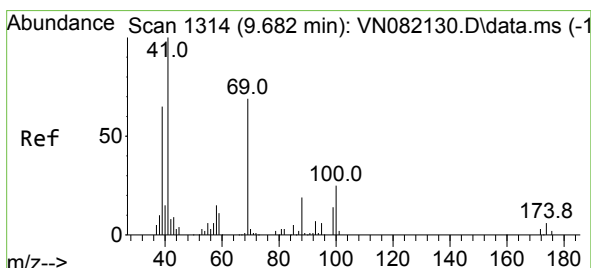
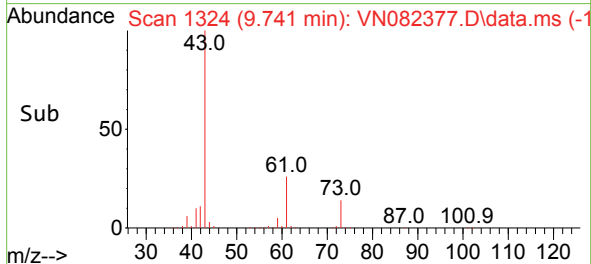
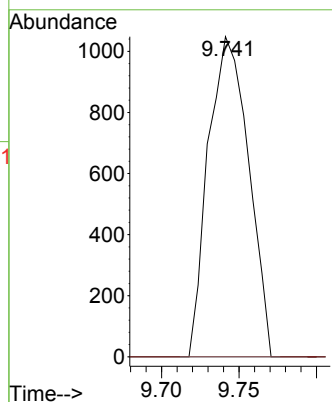
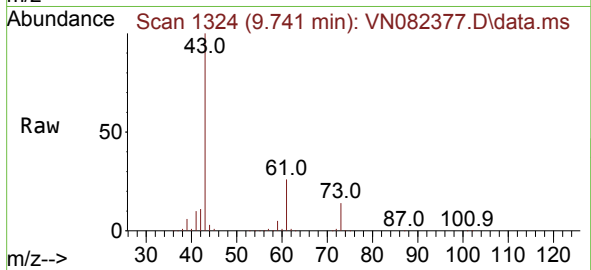
ClientSampleId :

Tgt Ion: 63 Resp: 1898

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.665 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082377.D

Acq: 29 May 2024 17:53

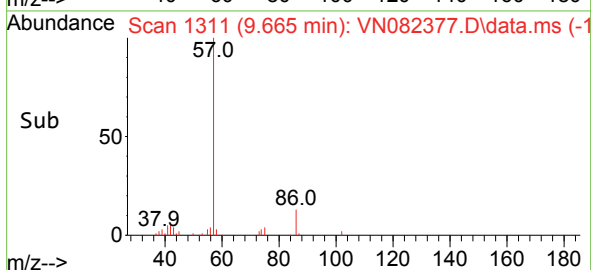
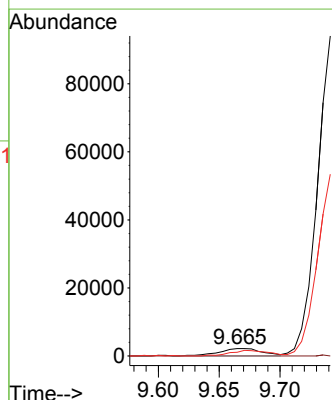
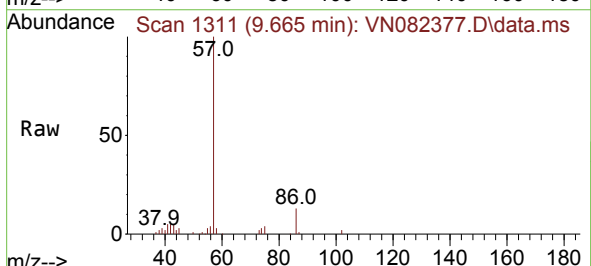
Tgt Ion: 41 Resp: 5384

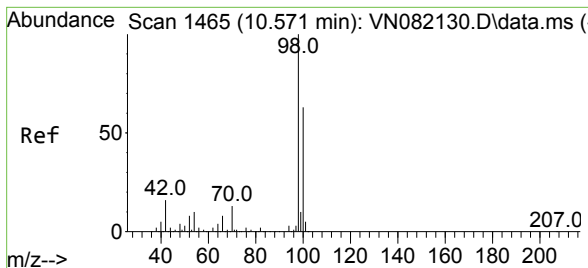
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 68.3 50.9 76.3

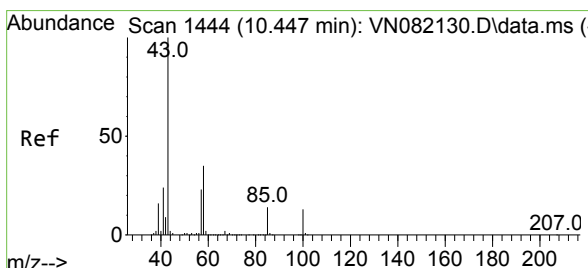
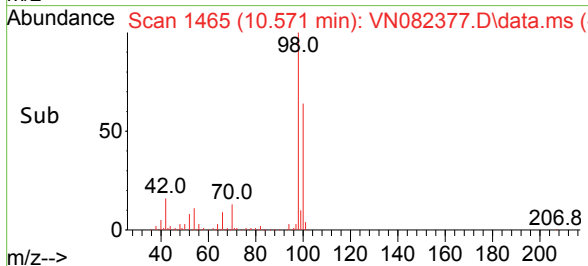
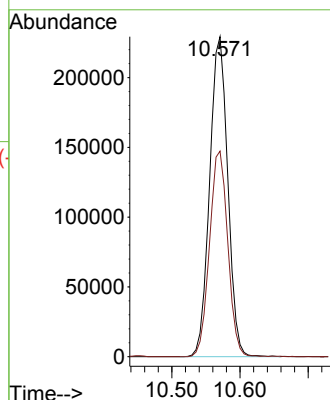
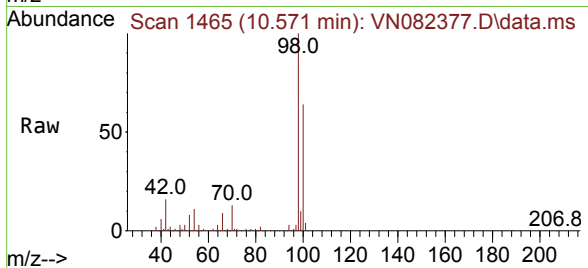




#50
Toluene-d8
Concen: 54.172 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

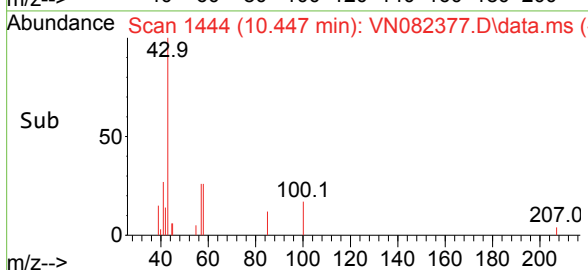
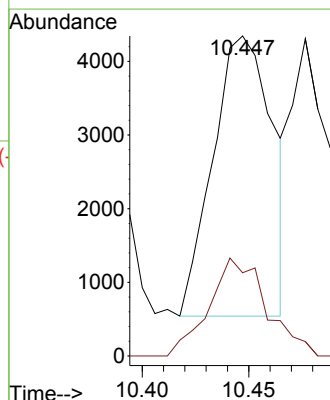
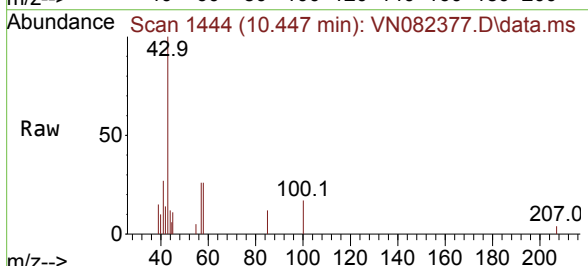
Instrument :
MSVOA_N
ClientSampleId :

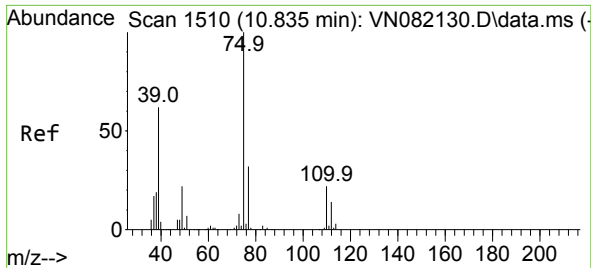
Tgt Ion: 98 Resp: 423767
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.915 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

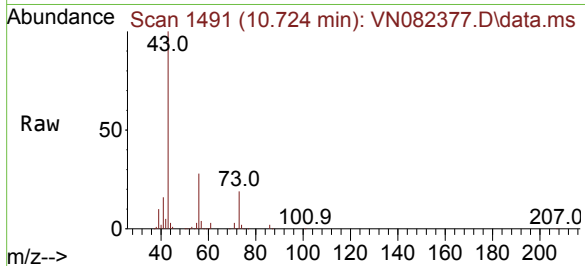
Tgt Ion: 43 Resp: 7383
Ion Ratio Lower Upper
43 100
58 33.8 33.2 49.8



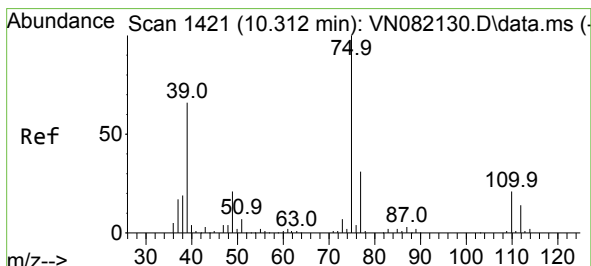
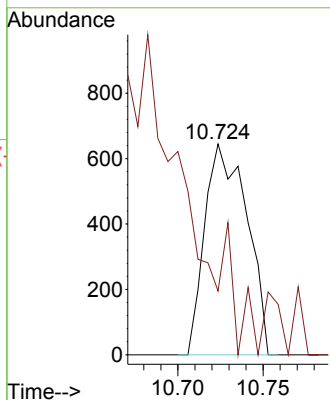
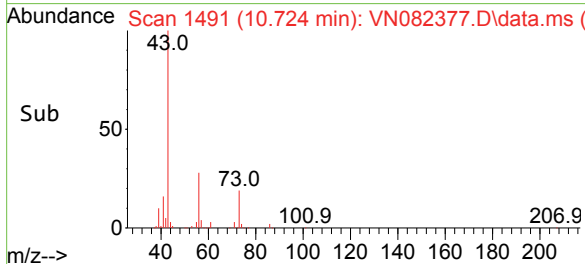


#53
 t-1,3-Dichloropropene
 Concen: 0.293 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082377.D
 Acq: 29 May 2024 17:53

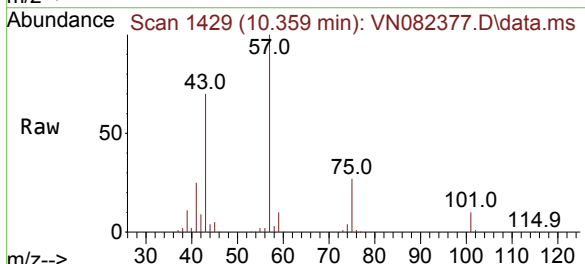
Instrument :
 MSVOA_N
 ClientSampleId :



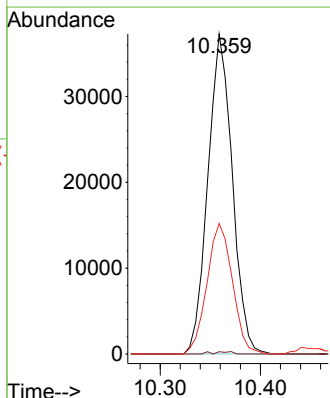
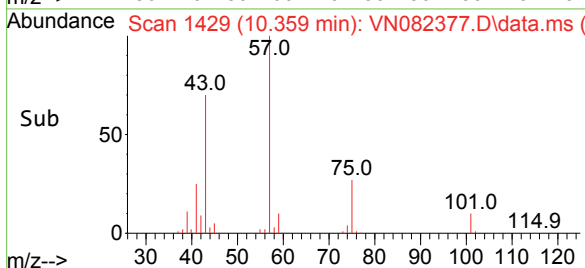
Tgt Ion: 75 Resp: 1107
 Ion Ratio Lower Upper
 75 100
 77 6.4 25.4 38.0#

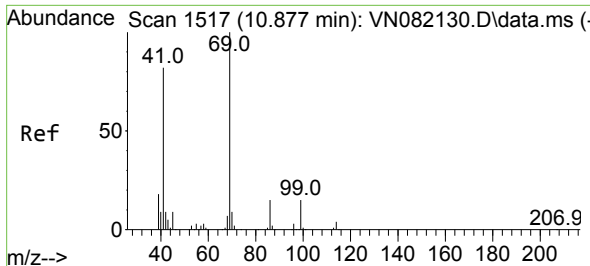


#54
 cis-1,3-Dichloropropene
 Concen: 15.795 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082377.D
 Acq: 29 May 2024 17:53



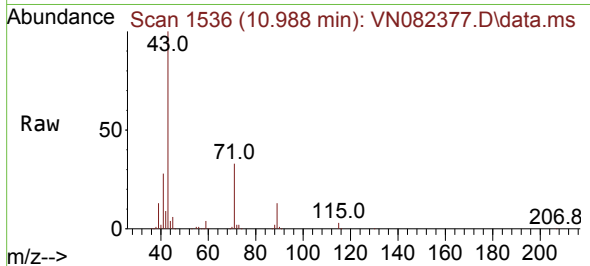
Tgt Ion: 75 Resp: 63101
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 40.7 34.8 52.2



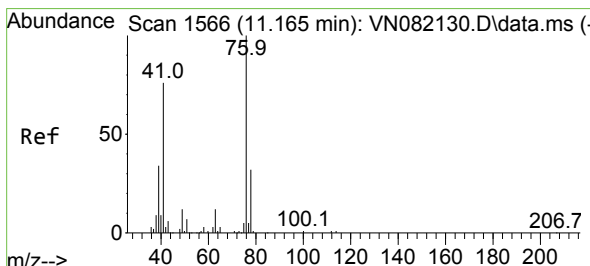
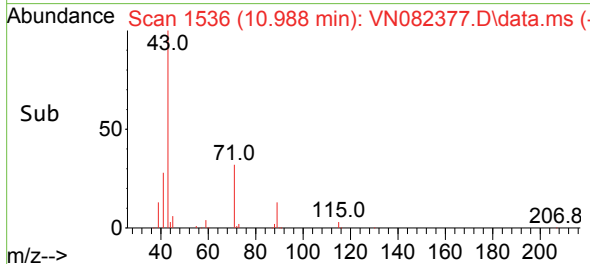
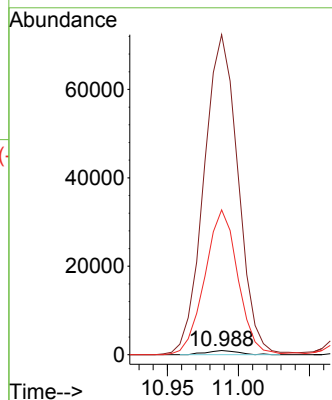


#56
Ethyl methacrylate
Concen: 0.388 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

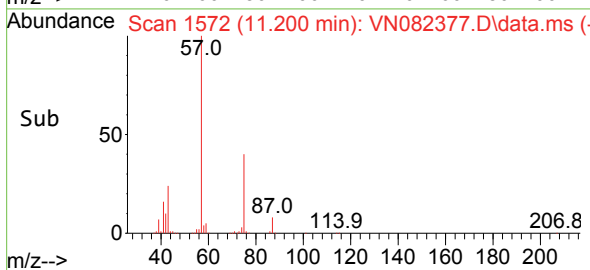
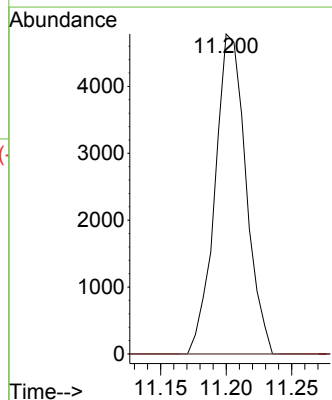
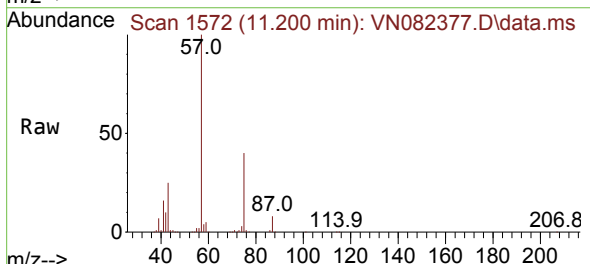


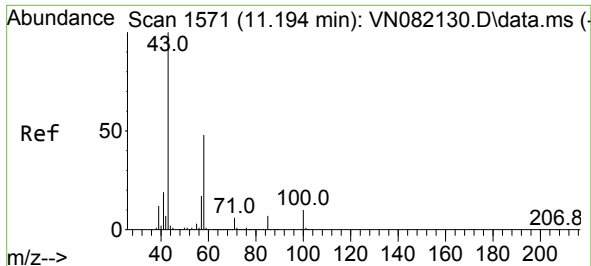
Tgt Ion: 69 Resp: 1465
Ion Ratio Lower Upper
69 100
41 8286.2 46.6 70.0#
39 3629.4 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.884 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

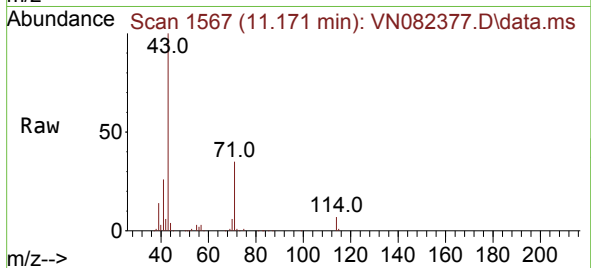
Tgt Ion: 76 Resp: 7839
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



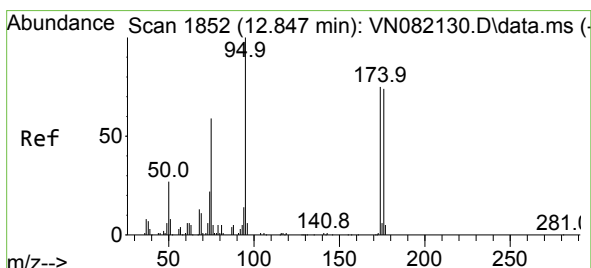
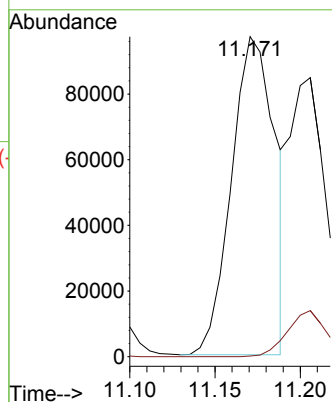
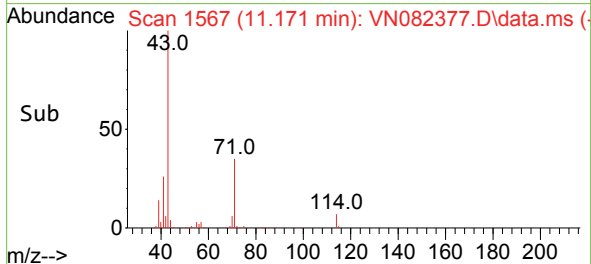


#59
2-Hexanone
Concen: 60.883 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

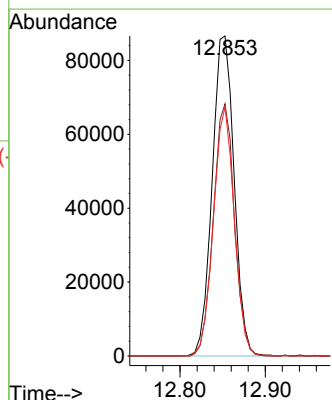
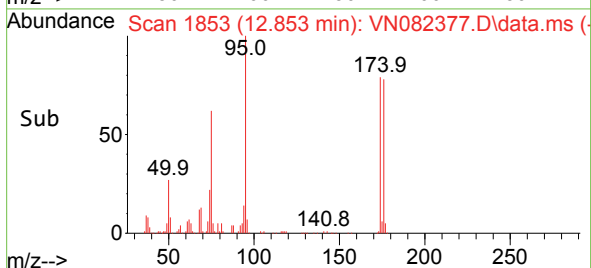
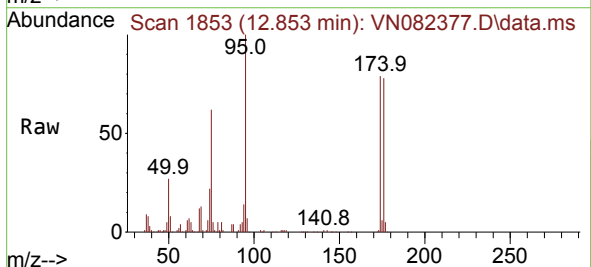


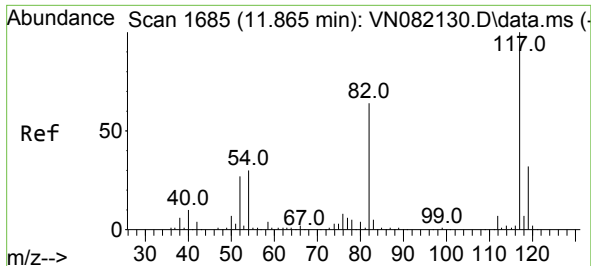
Tgt Ion: 43 Resp: 171875
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 55.417 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

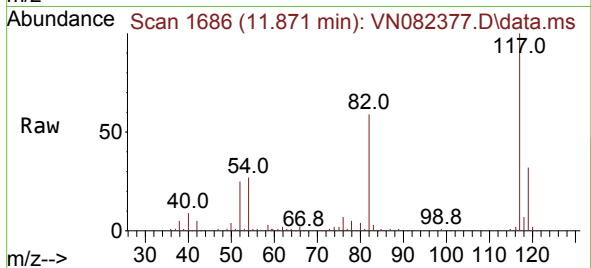
Tgt Ion: 95 Resp: 154728
Ion Ratio Lower Upper
95 100
174 75.8 0.0 160.6
176 73.8 0.0 152.8



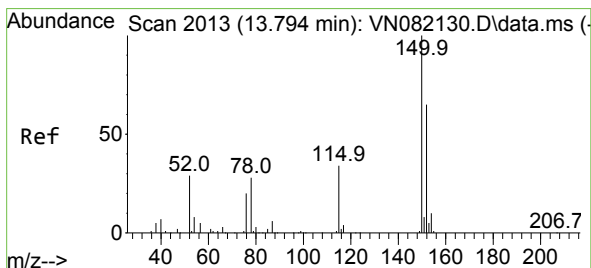
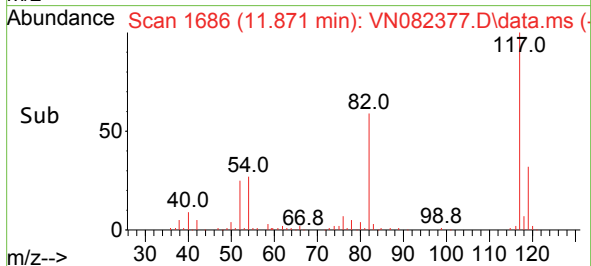
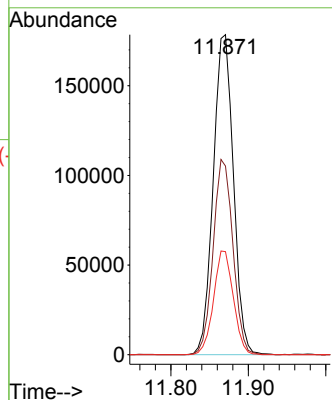


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

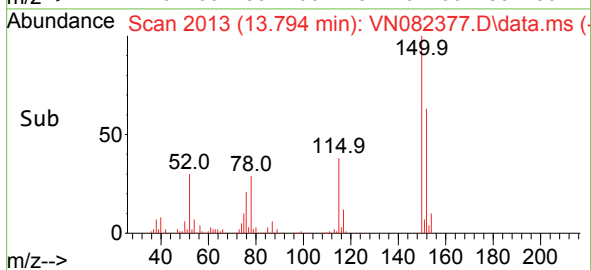
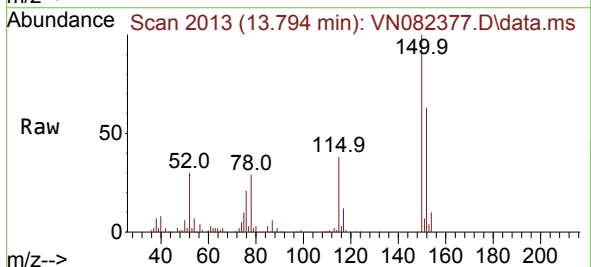
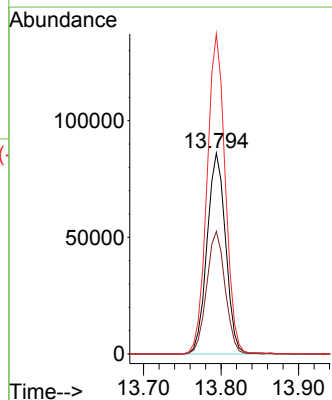


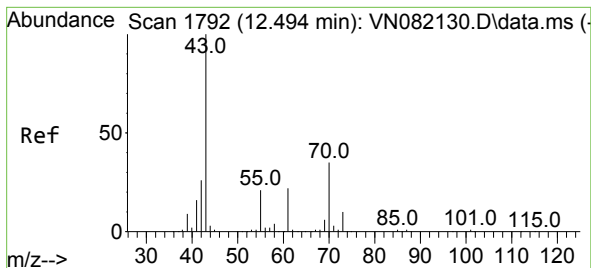
Tgt Ion:117 Resp: 323198
Ion Ratio Lower Upper
117 100
82 59.0 44.6 66.8
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082377.D
Acq: 29 May 2024 17:53

Tgt Ion:152 Resp: 143449
Ion Ratio Lower Upper
152 100
115 60.8 30.4 91.3
150 156.3 0.0 353.2





#74

N-amy1 acetate

Concen: 0.301 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

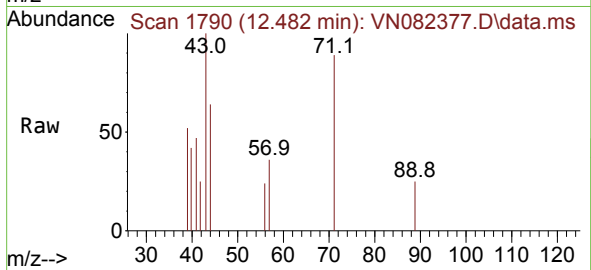
Lab File: VN082377.D

Acq: 29 May 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1884

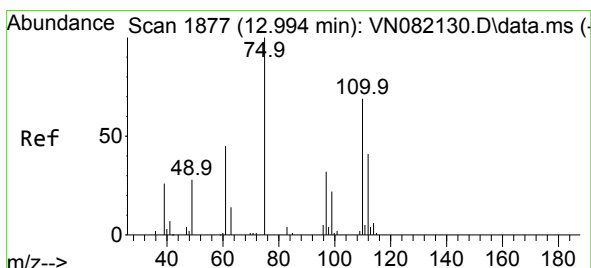
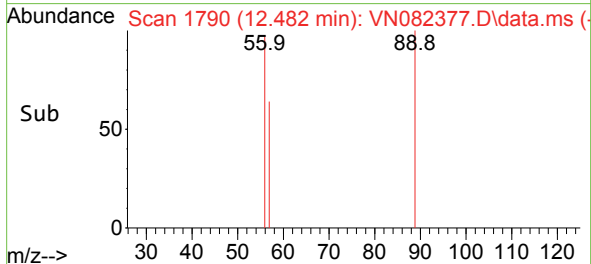
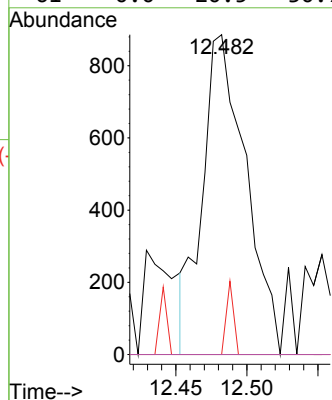
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 3.8 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 29.574 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082377.D

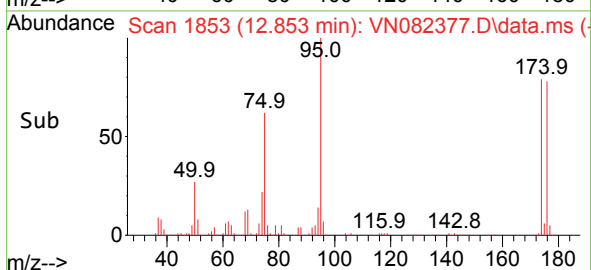
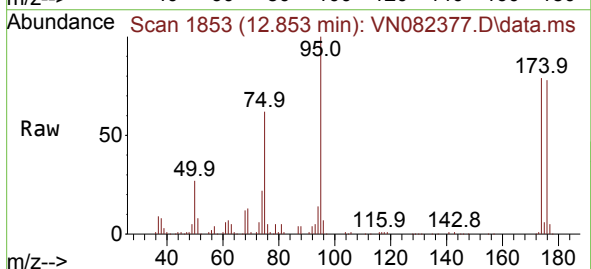
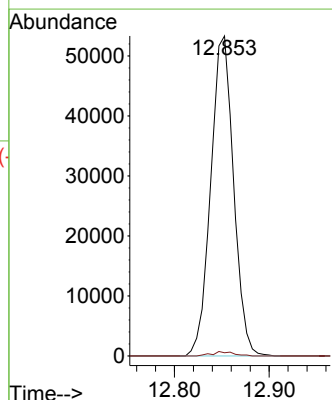
Acq: 29 May 2024 17:53

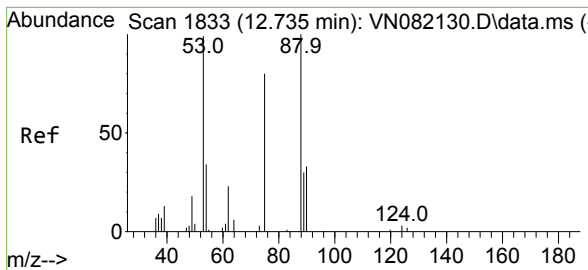
Tgt Ion: 75 Resp: 89292

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.173 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082377.D
 Acq: 29 May 2024 17:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 89292
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

