

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122722\
 Data File : VN075977.D
 Acq On : 27 Dec 2022 10:35
 Operator : JC\MD
 Sample : VN1227MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227MBL01

Quant Time: Dec 28 04:43:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

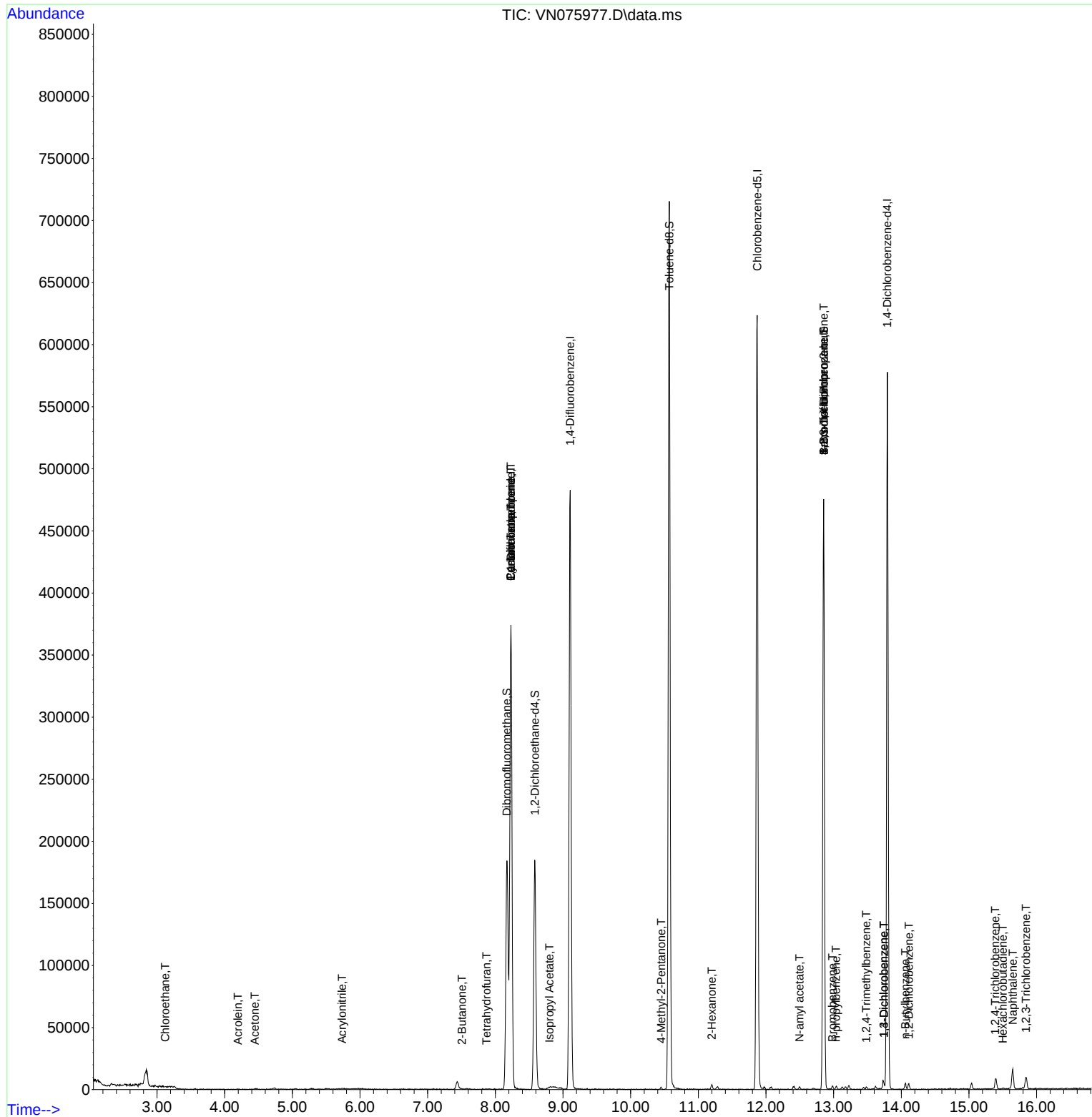
Internal Standards						
1) Pentafluorobenzene	8.230	168	297560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	450716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	386012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	161700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	147807	45.659	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.320%		
35) Dibromofluoromethane	8.171	113	134696	48.257	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	10.571	98	515227	49.370	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.740%		
62) 4-Bromofluorobenzene	12.853	95	156867	45.383	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.760%		
Target Compounds						Qvalue
6) Chloroethane	3.118	64	639	0.275	ug/l #	44
13) Acrolein	4.195	56	341	0.607	ug/l #	38
15) Acrylonitrile	5.736	53	391	0.313	ug/l #	72
16) Acetone	4.447	43	439	0.393	ug/l #	39
20) Methylene Chloride	5.277	84	486	Below Cal	#	55
25) 2-Butanone	7.506	43	576	0.369	ug/l #	40
29) Tetrahydrofuran	7.871	42	202	0.206	ug/l #	25
31) Cyclohexane	8.230	56	5874	1.267	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	21238	5.728	ug/l #	49
38) Carbon Tetrachloride	8.230	117	27864	6.714	ug/l #	16
43) Isopropyl Acetate	8.800	43	1228	0.250	ug/l #	50
51) 4-Methyl-2-Pentanone	10.453	43	1236	0.416	ug/l #	86
59) 2-Hexanone	11.200	43	2618	1.208	ug/l	76
71) Bromoform	12.853	173	1435	0.672	ug/l #	1
74) N-amyl acetate	12.494	43	1272	0.371	ug/l #	68
76) 1,2,3-Trichloropropane	12.853	75	79982	24.538	ug/l #	1
77) Bromobenzene	12.982	156	614	0.208	ug/l	88
78) n-propylbenzene	13.035	91	2708	0.210	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.853	75	79982	88.326	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	1970	0.203	ug/l	77
87) 1,3-Dichlorobenzene	13.741	146	2662	0.487	ug/l	93
88) 1,4-Dichlorobenzene	13.741	146	2662	0.477	ug/l	94
89) n-Butylbenzene	14.059	91	3430	0.428	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	2563	0.476	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	3940	1.479	ug/l	95
94) Hexachlorobutadiene	15.500	225	301	0.207	ug/l #	71
95) Naphthalene	15.647	128	16773	4.000	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	4497	1.806	ug/l	91

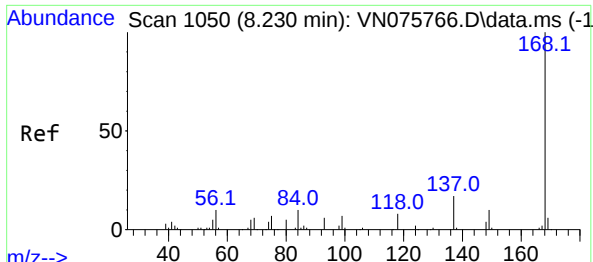
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075977.D

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Instrument :

MSVOA_N

ClientSampleId :

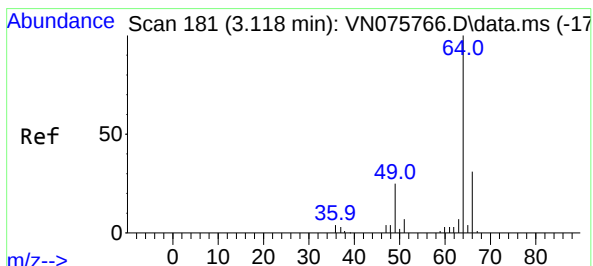
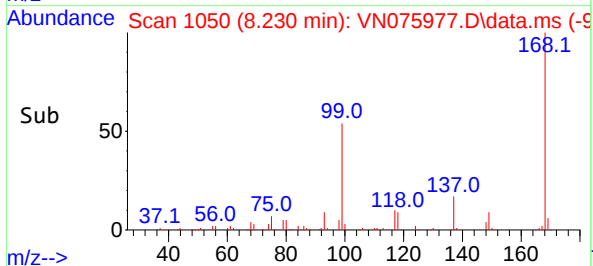
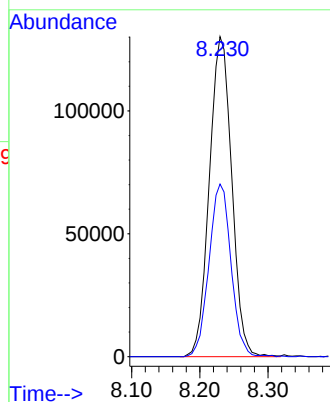
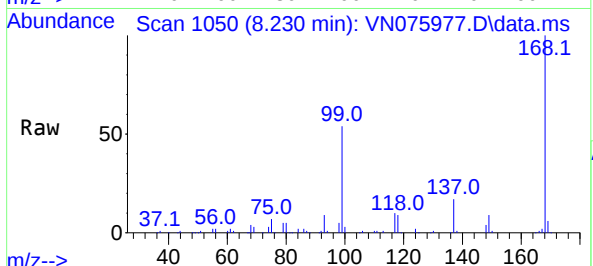
VN1227MBL01

Tgt Ion:168 Resp: 297560

Ion Ratio Lower Upper

168 100

99 53.9 44.2 66.4



#6

Chloroethane

Concen: 0.275 ug/l

RT: 3.118 min Scan# 181

Delta R.T. -0.000 min

Lab File: VN075977.D

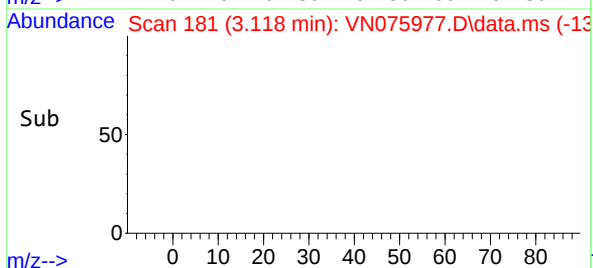
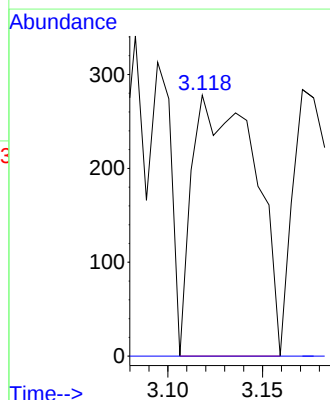
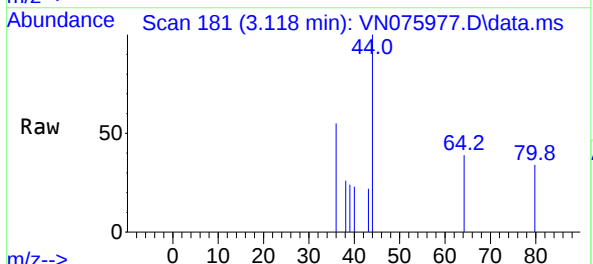
Acq: 27 Dec 2022 10:35

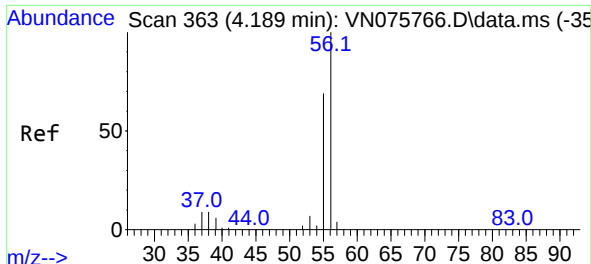
Tgt Ion: 64 Resp: 639

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#

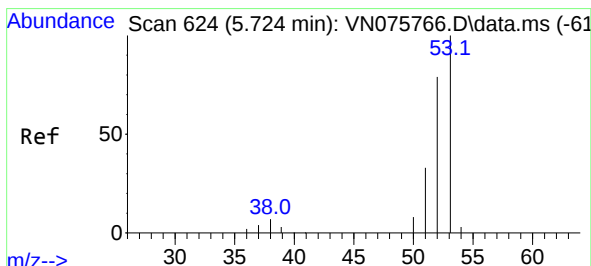
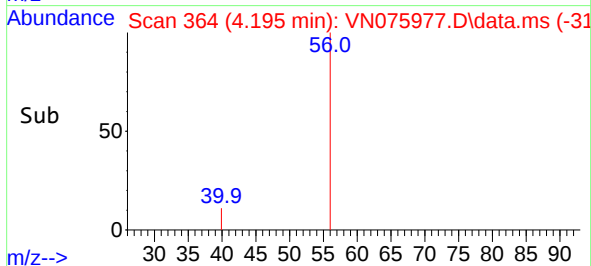
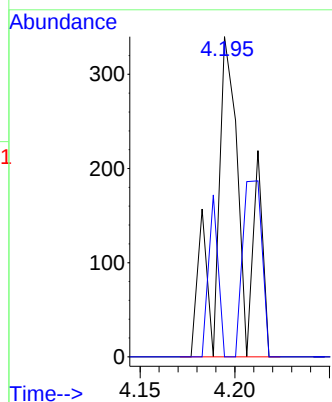
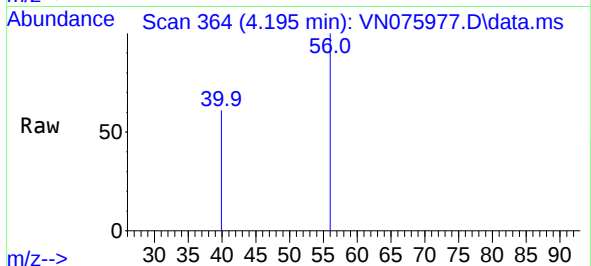




#13
Acrolein
Concen: 0.607 ug/l
RT: 4.195 min Scan# 364
Delta R.T. 0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

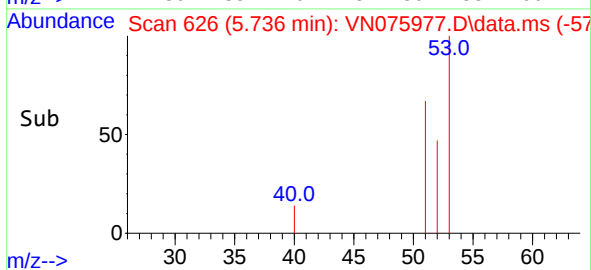
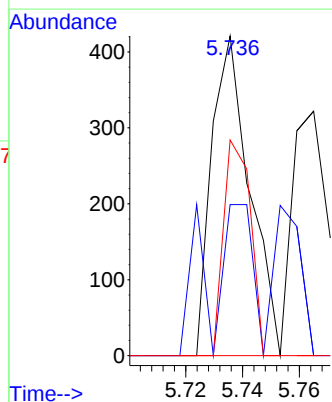
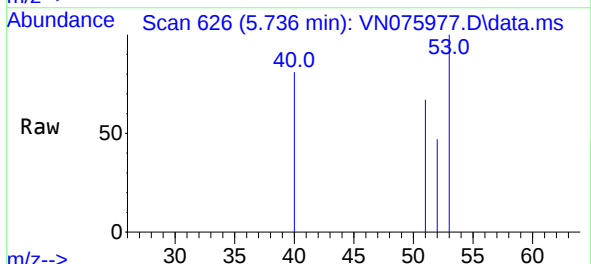
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

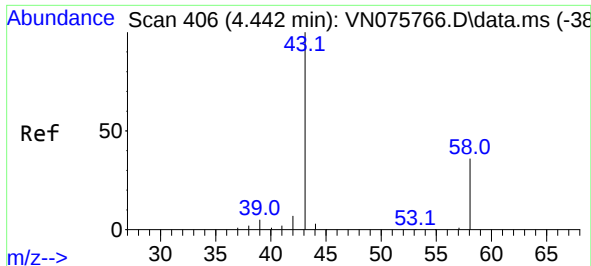
Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 17.9 54.8 82.2#



#15
Acrylonitrile
Concen: 0.313 ug/l
RT: 5.736 min Scan# 626
Delta R.T. 0.012 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 53 Resp: 391
Ion Ratio Lower Upper
53 100
52 54.0 65.4 98.0#
51 47.8 28.9 43.3#

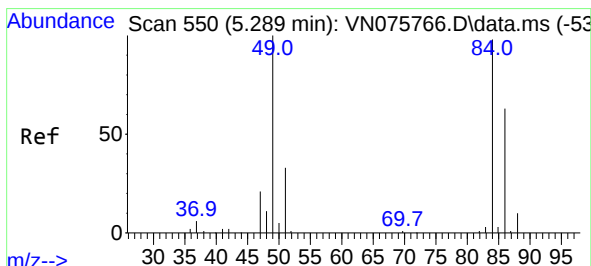
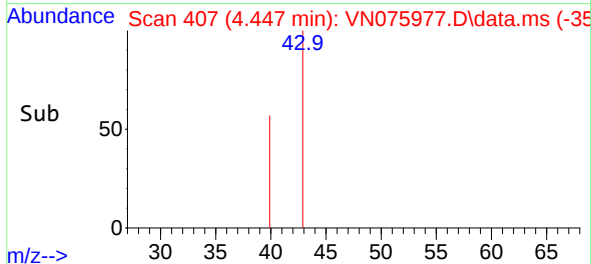
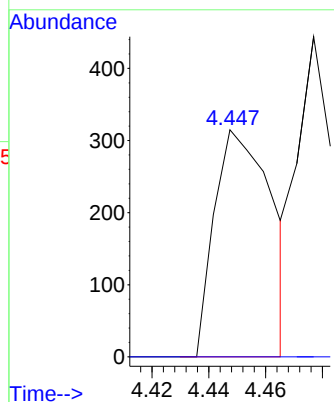
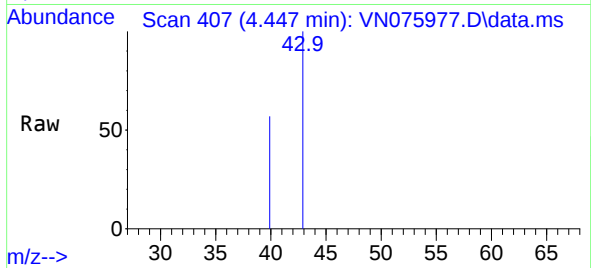




#16
Acetone
Concen: 0.393 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

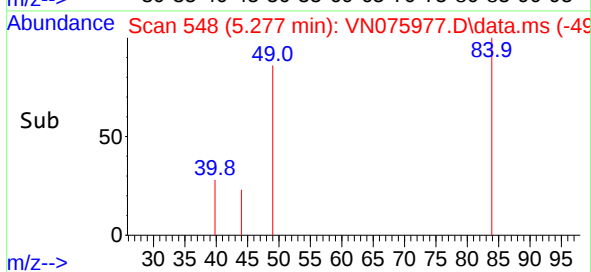
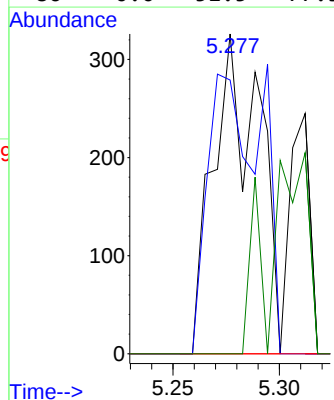
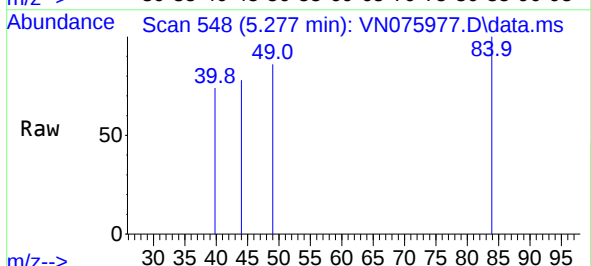
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

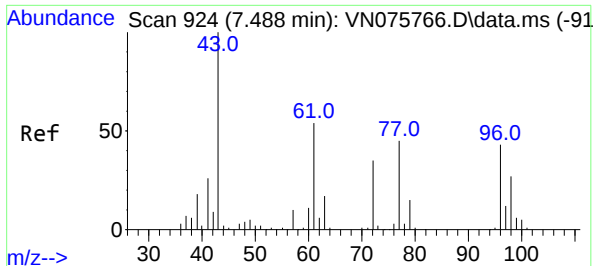
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 84 Resp: 486
Ion Ratio Lower Upper
84 100
49 85.6 81.8 122.6
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#





#25

2-Butanone

Concen: 0.369 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075977.D

Acq: 27 Dec 2022 10:35

Instrument :

MSVOA_N

ClientSampleId :

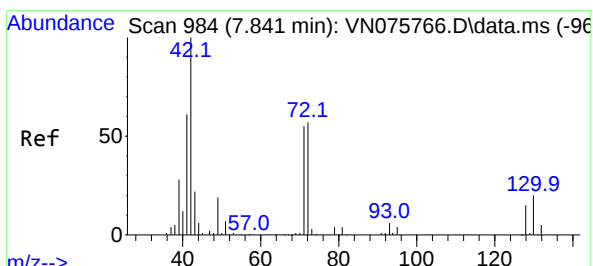
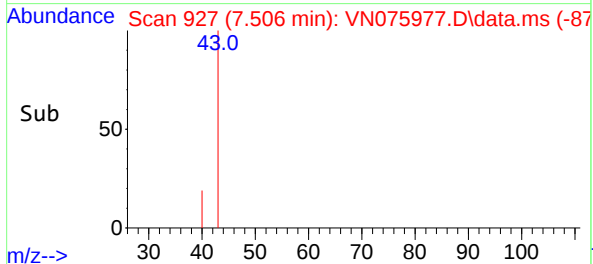
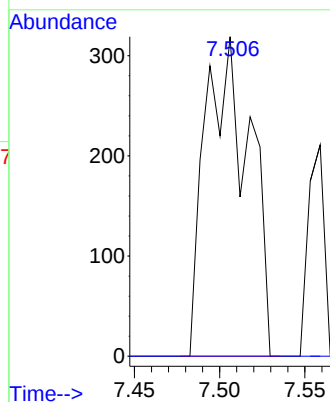
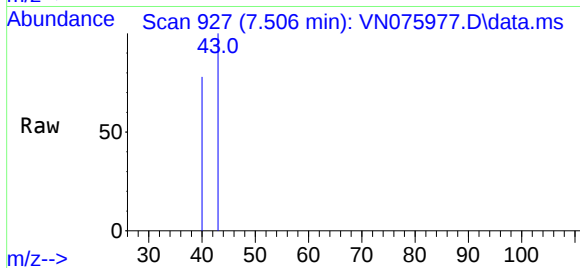
VN1227MBL01

Tgt Ion: 43 Resp: 576

Ion Ratio Lower Upper

43 100

72 0.0 28.0 42.0#



#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 7.871 min Scan# 989

Delta R.T. 0.029 min

Lab File: VN075977.D

Acq: 27 Dec 2022 10:35

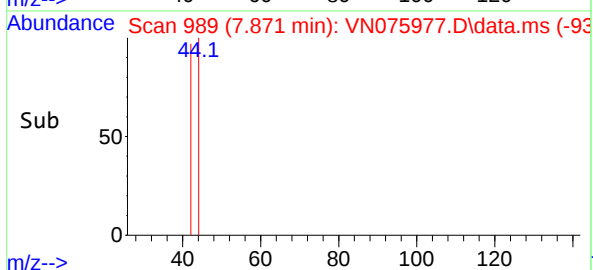
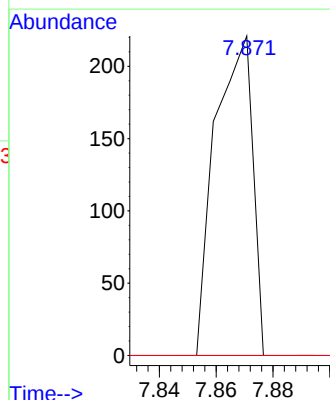
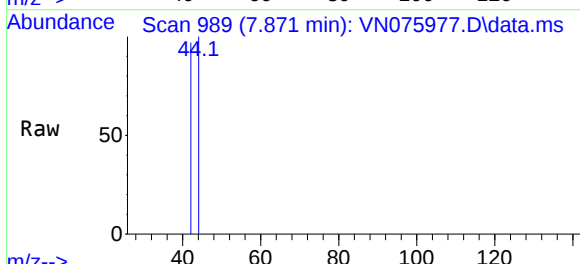
Tgt Ion: 42 Resp: 202

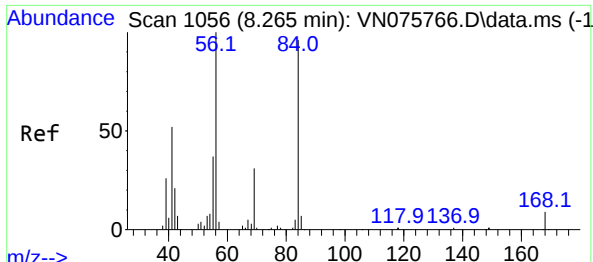
Ion Ratio Lower Upper

42 100

72 0.0 44.5 66.7#

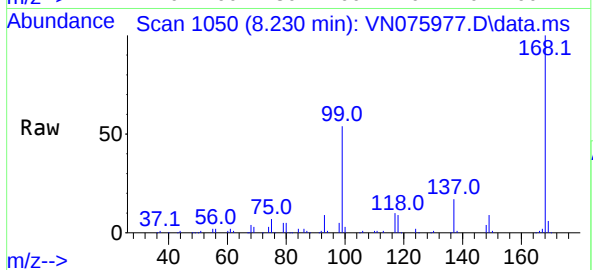
71 0.0 41.0 61.6#



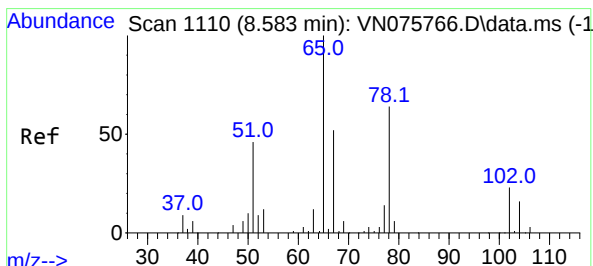
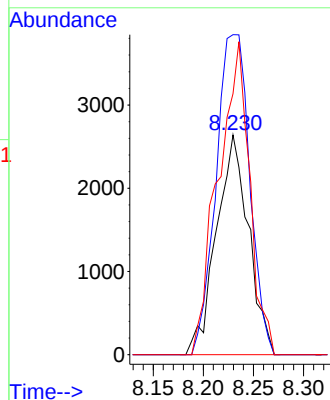
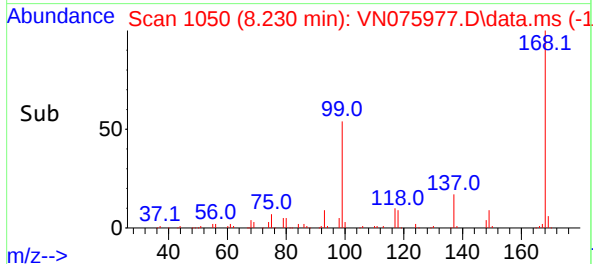


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.230 min Scan# 1056
Delta R.T. -0.035 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

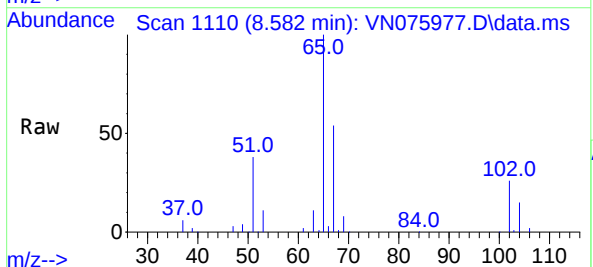
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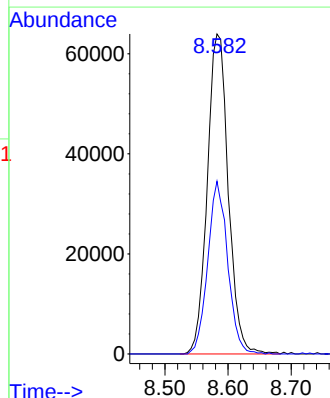
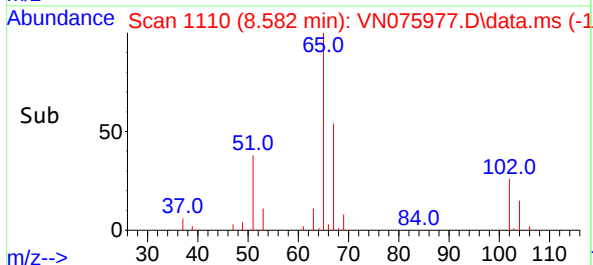
Tgt Ion: 56 Resp: 5874
Ion Ratio Lower Upper
56 100
69 145.7 24.7 37.1#
84 118.8 76.5 114.7#

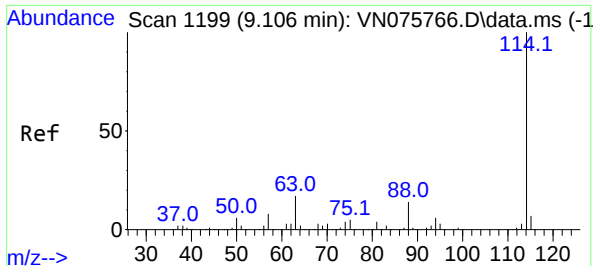


#33
1,2-Dichloroethane-d4
Concen: 45.659 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35



Tgt Ion: 65 Resp: 147807
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4

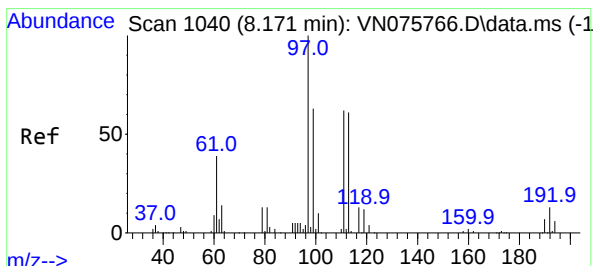
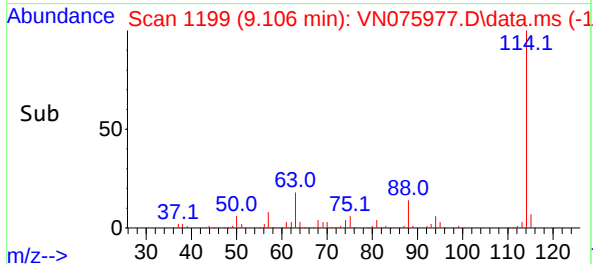
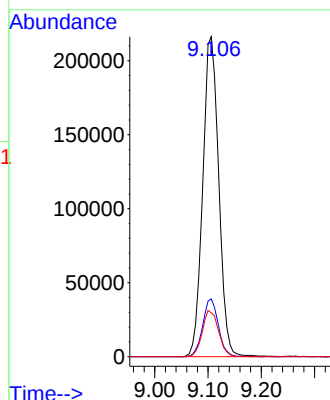
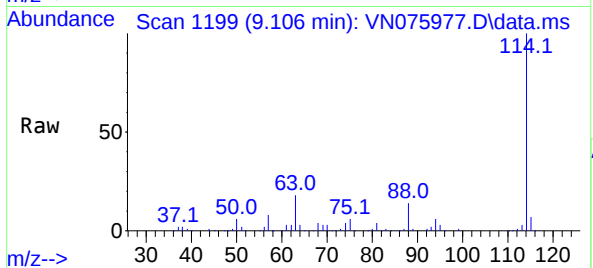




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

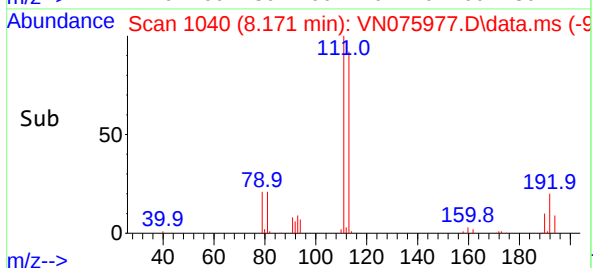
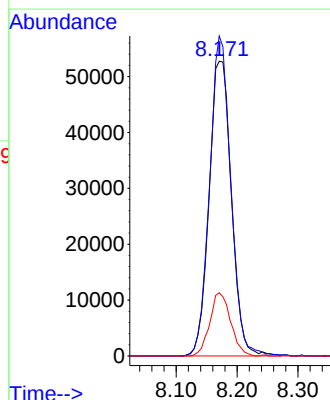
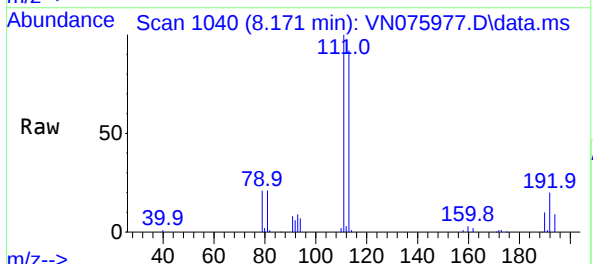
Instrument :
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VN1227MBL01

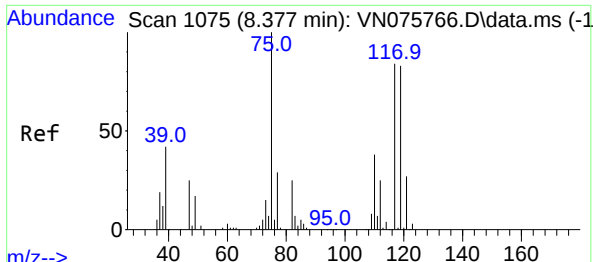
Tgt Ion:114 Resp: 450716
Ion Ratio Lower Upper
114 100
63 18.1 0.0 34.4
88 13.7 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.257 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion:113 Resp: 134696
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.2
192 20.1 16.1 24.1

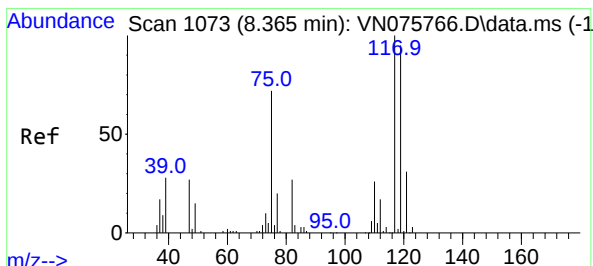
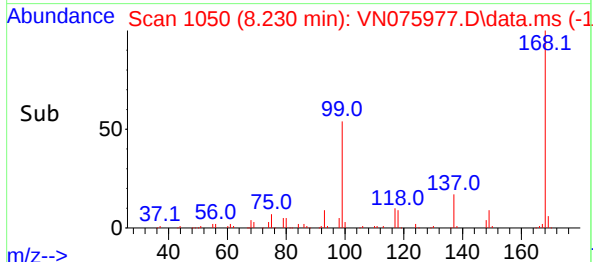
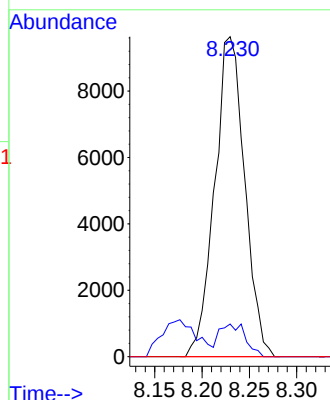
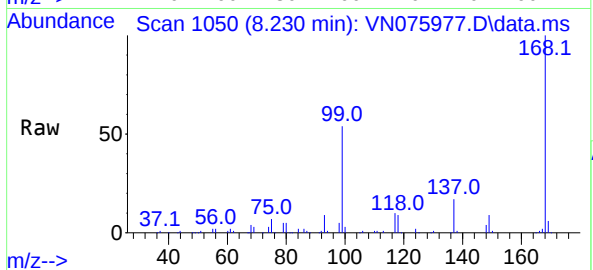




#36
1,1-Dichloropropene
Concen: 5.728 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

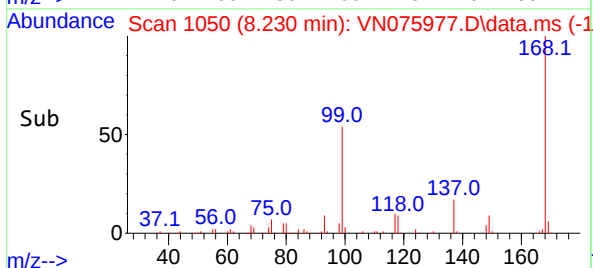
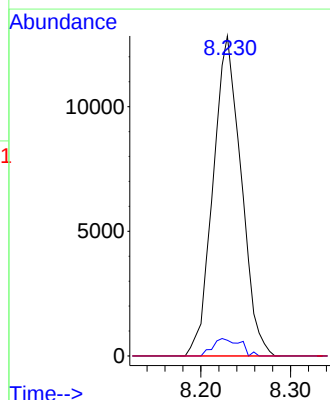
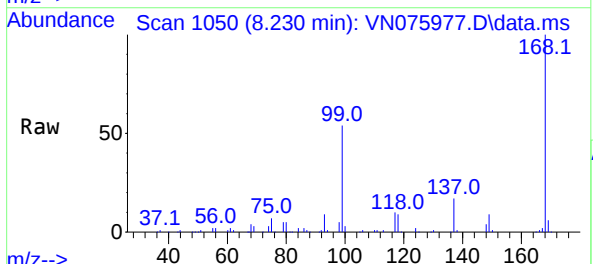
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

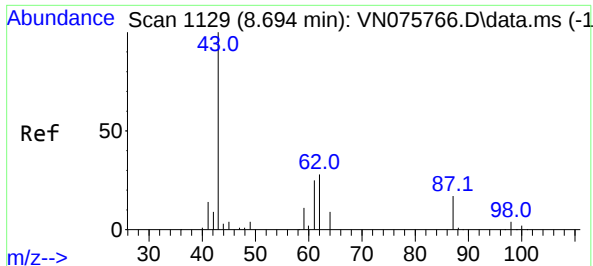
Tgt Ion: 75 Resp: 21238
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.714 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 117 Resp: 27864
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.5 36.7#

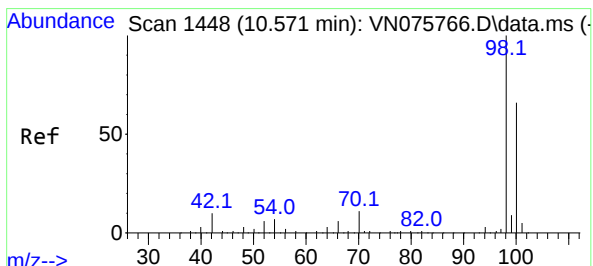
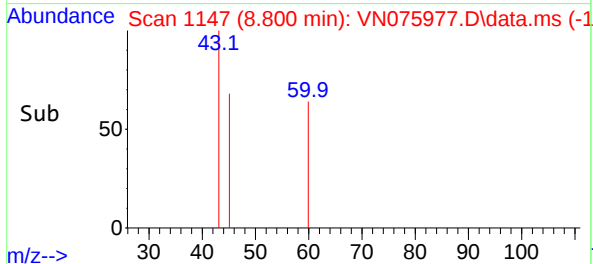
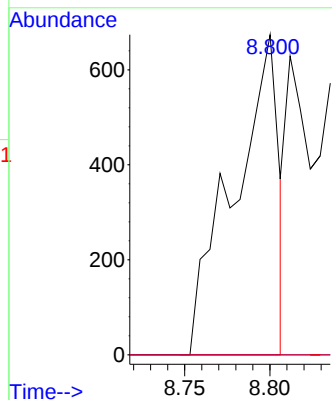
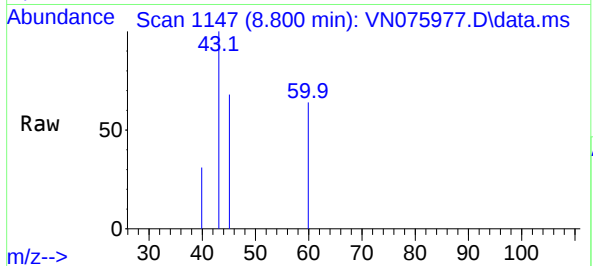




#43
Isopropyl Acetate
Concen: 0.250 ug/l
RT: 8.800 min Scan# 1147
Delta R.T. 0.106 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

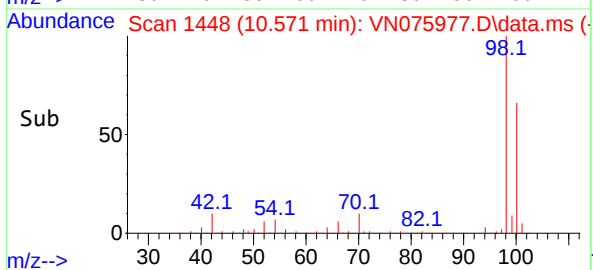
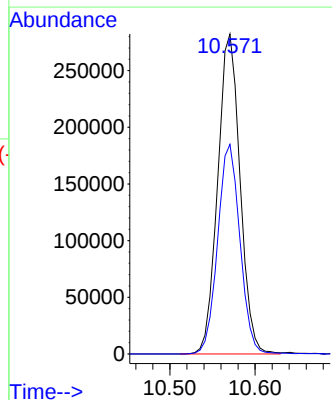
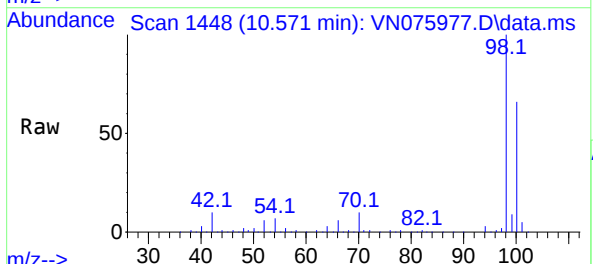
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

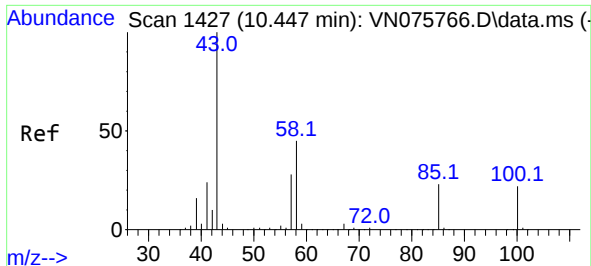
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#



#50
Toluene-d8
Concen: 49.370 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 98 Resp: 515227
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

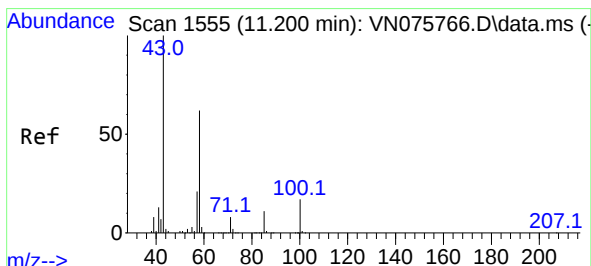
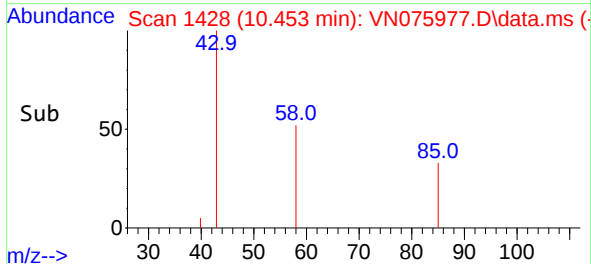
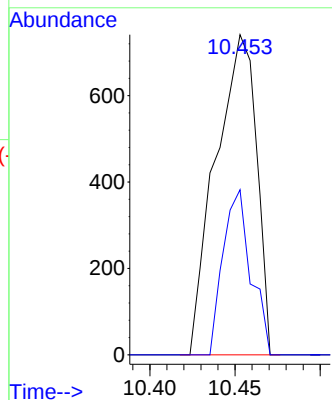
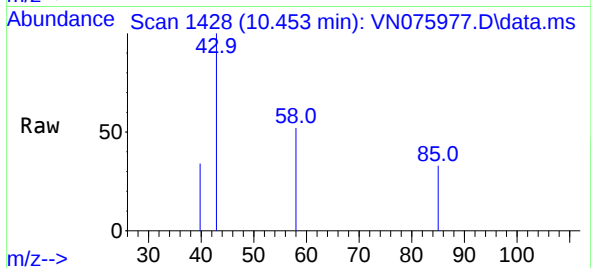




#51
4-Methyl-2-Pentanone
Concen: 0.416 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

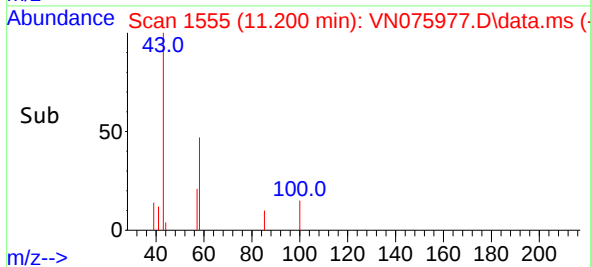
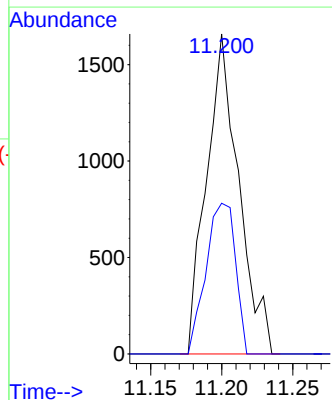
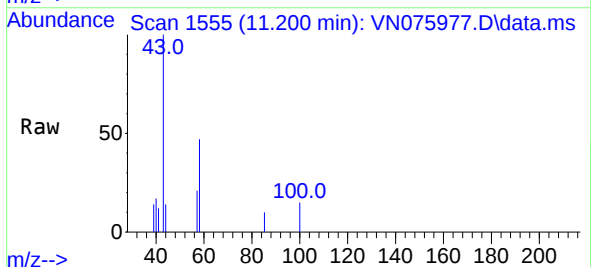
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

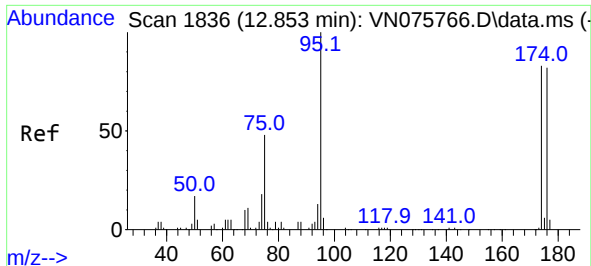
Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
58 35.0 35.5 53.3#



#59
2-Hexanone
Concen: 1.208 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 43 Resp: 2618
Ion Ratio Lower Upper
43 100
58 43.0 30.6 92.0

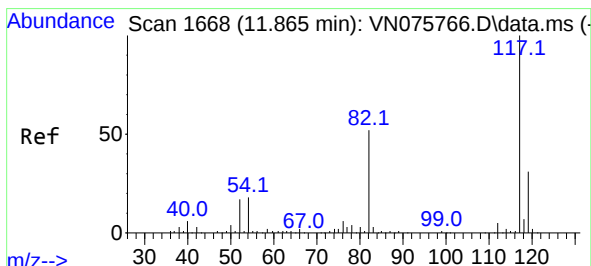
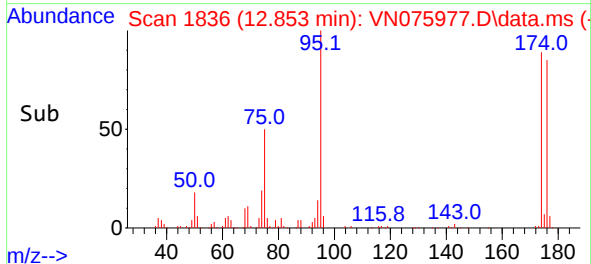
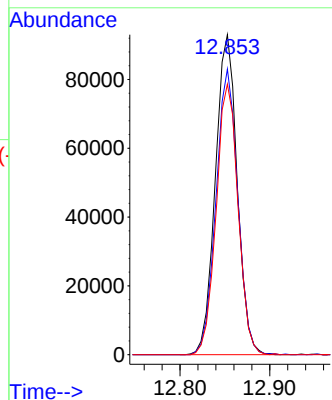
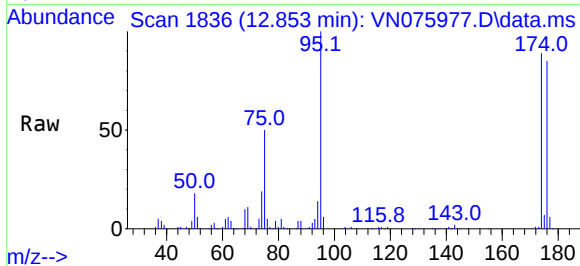




#62
4-Bromofluorobenzene
Concen: 45.383 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

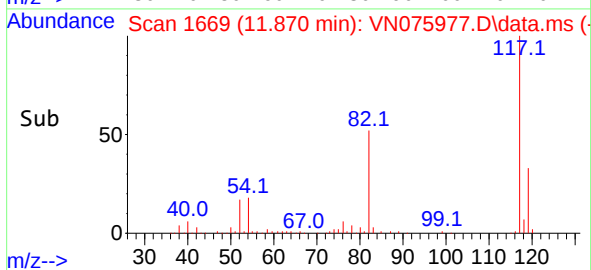
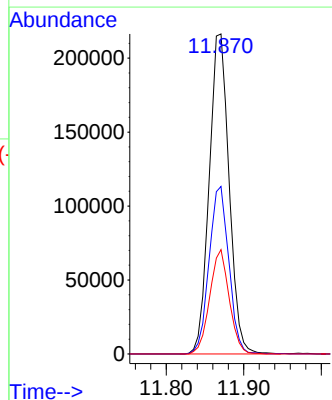
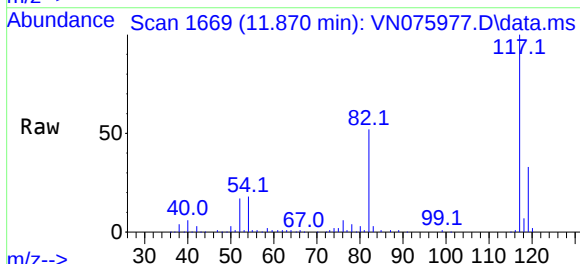
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

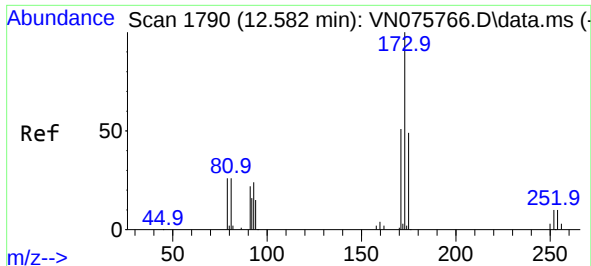
Tgt Ion: 95 Resp: 156867
Ion Ratio Lower Upper
95 100
174 89.4 0.0 171.6
176 84.8 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 117 Resp: 386012
Ion Ratio Lower Upper
117 100
82 52.4 41.3 61.9
119 32.6 24.6 37.0

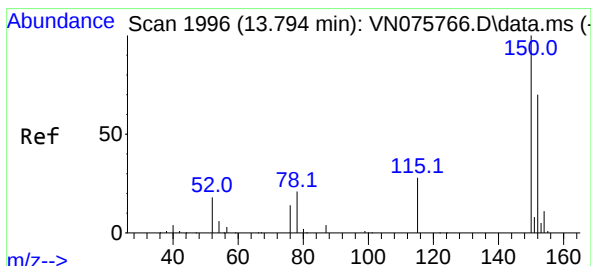
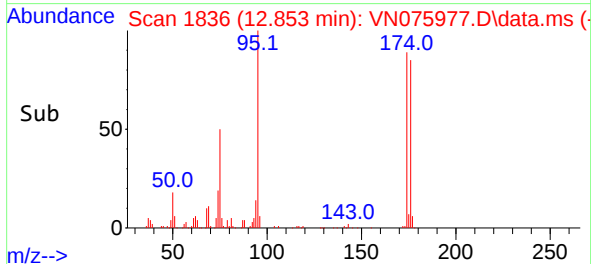
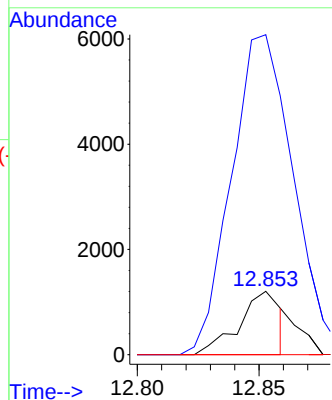
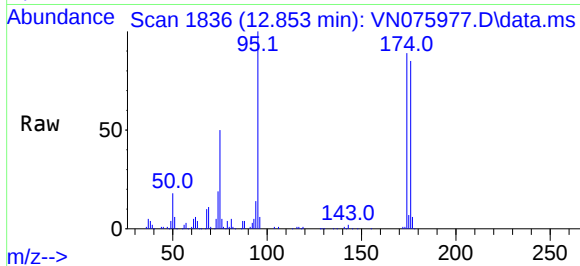




#71
Bromoform
Concen: 0.672 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

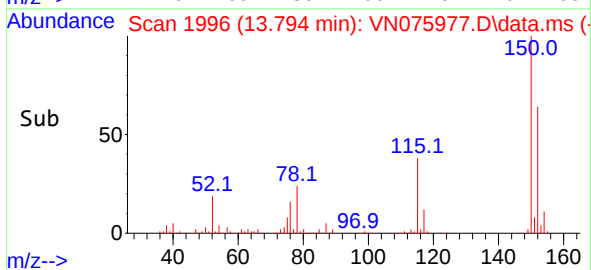
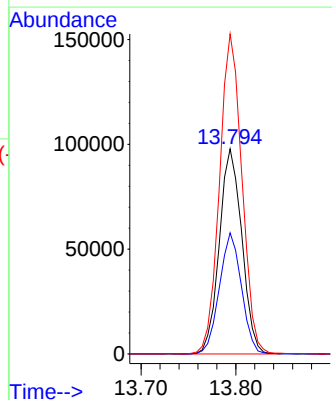
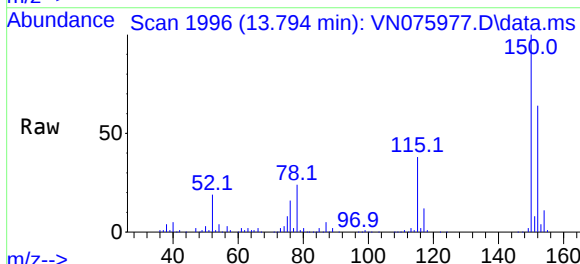
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

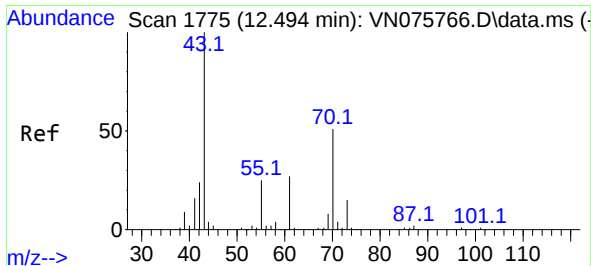
Tgt Ion:173 Resp: 1435
Ion Ratio Lower Upper
173 100
175 600.8 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion:152 Resp: 161700
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.4
150 155.5 0.0 347.0

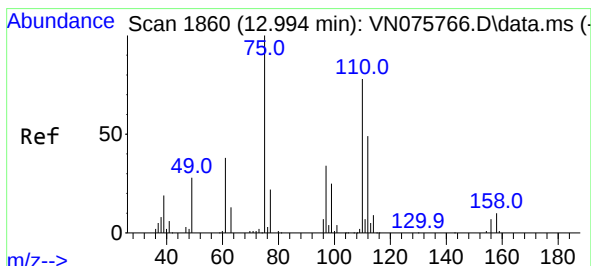
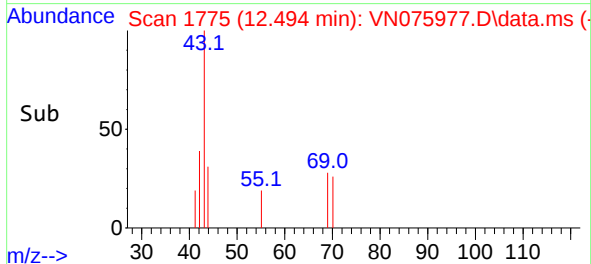
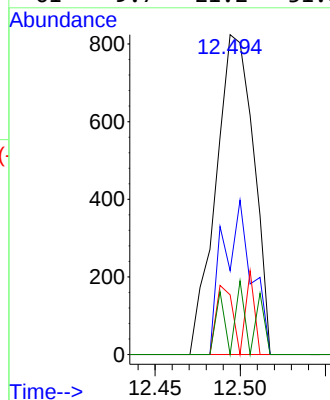
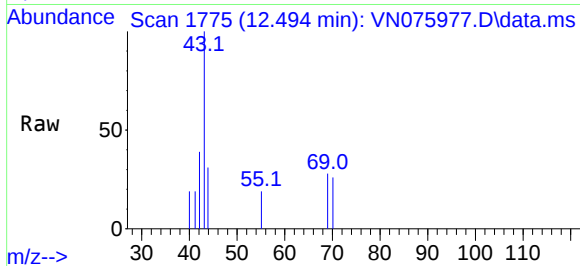




#74
N-amy1 acetate
Concen: 0.371 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

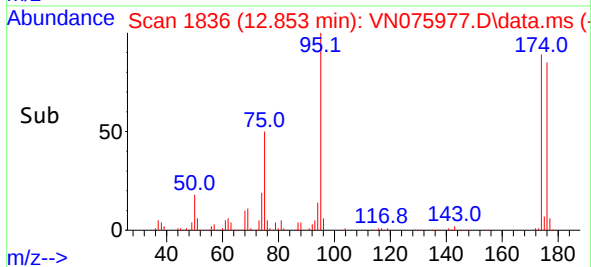
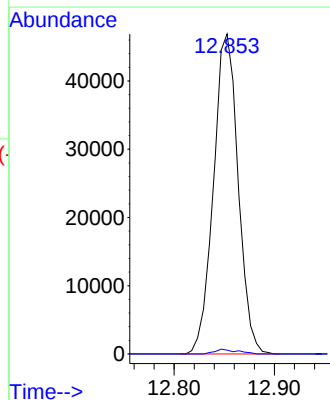
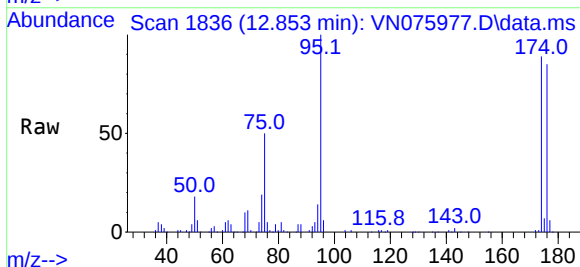
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

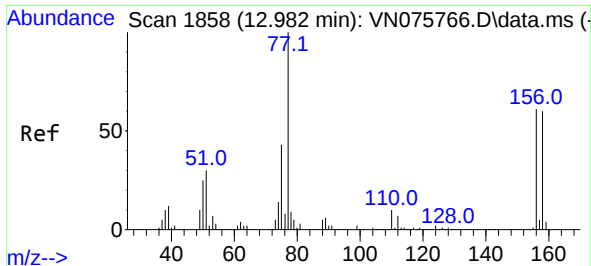
Tgt Ion: 43	Resp:	1272	
Ion	Ratio	Lower	Upper
43	100		
70	36.8	41.4	62.0#
55	0.0	21.3	31.9#
61	9.7	21.2	31.8#



#76
1,2,3-Trichloropropane
Concen: 24.538 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 75	Resp:	79982	
Ion Ratio	Lower	Upper	
75 100			
77 1.4	82.6	247.8#	

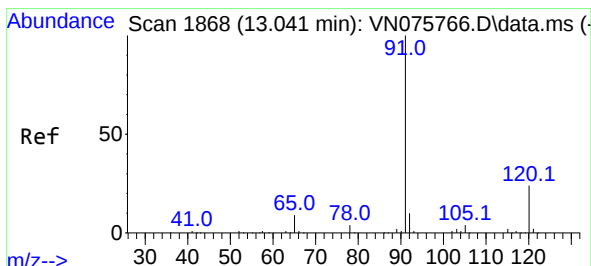
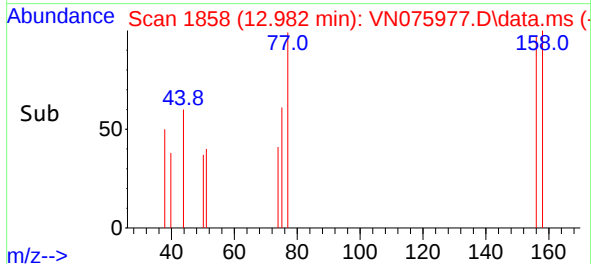
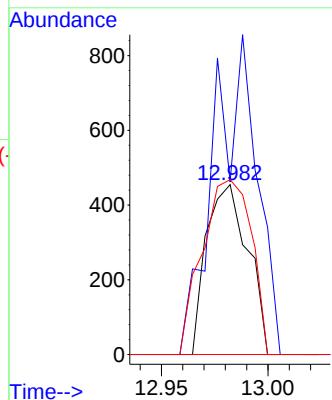
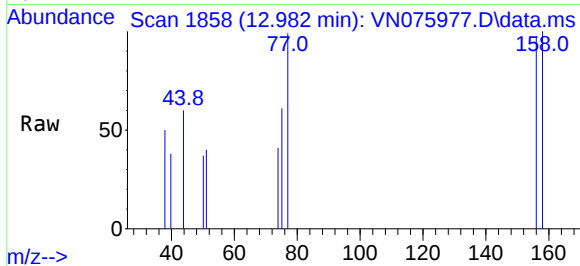




#77
Bromobenzene
Concen: 0.208 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

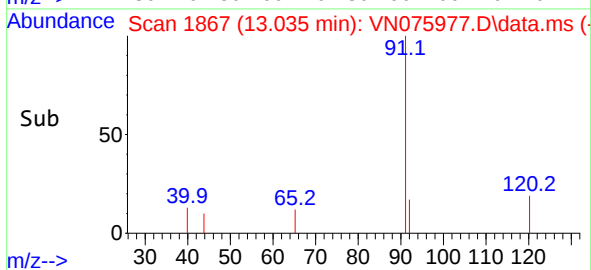
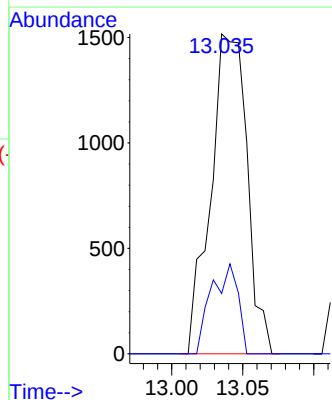
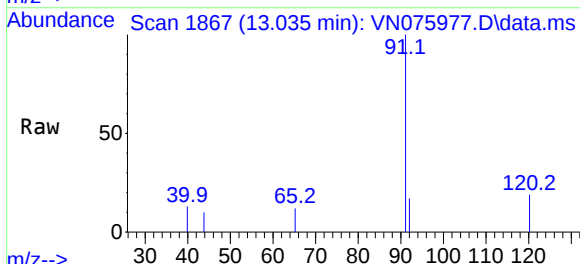
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

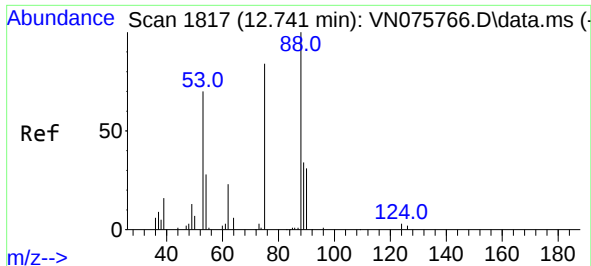
Tgt Ion:	156	Resp:	614
Ion	Ratio	Lower	Upper
156	100		
77	195.3	93.8	281.3
158	122.5	48.9	146.6



#78
n-propylbenzene
Concen: 0.210 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion:	91	Resp:	2708
Ion	Ratio	Lower	Upper
91	100		
120	20.5	12.0	36.1

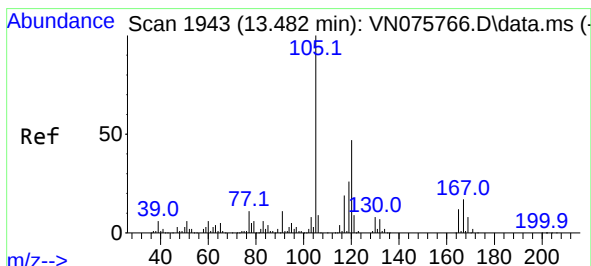
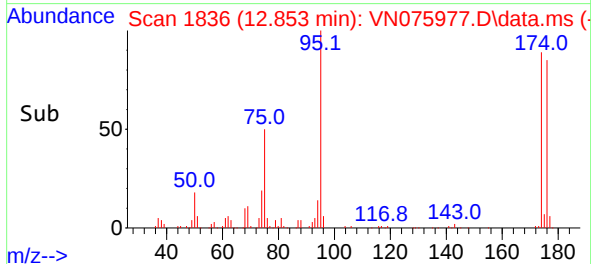
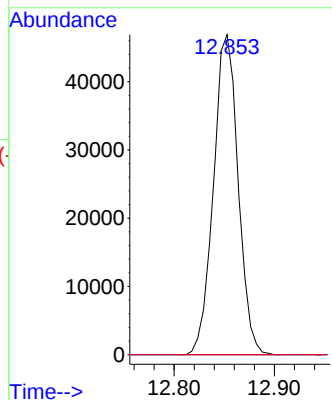
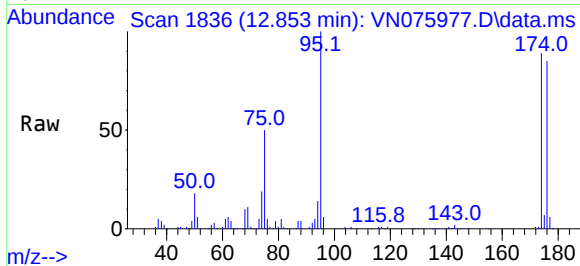




#81
trans-1,4-Dichloro-2-butene
Concen: 88.326 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

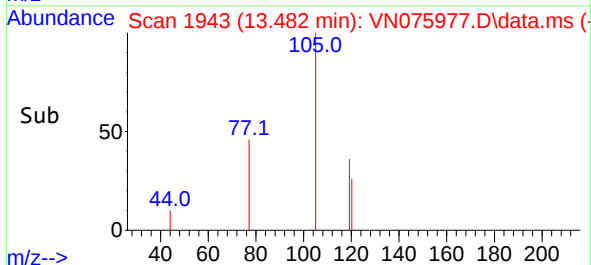
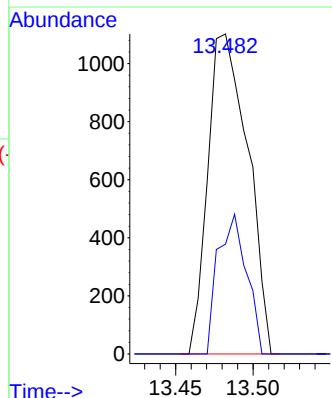
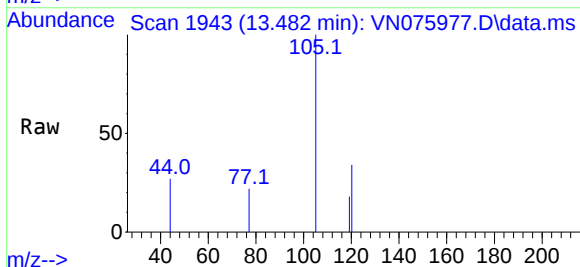
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

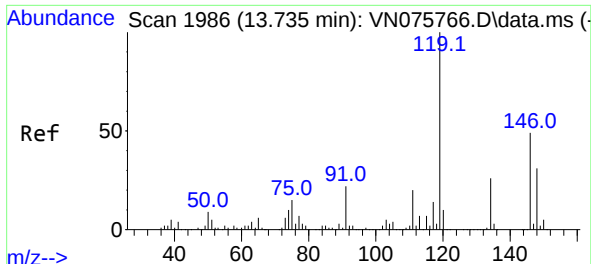
Tgt Ion: 75 Resp: 79982
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.203 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion: 105 Resp: 1970
Ion Ratio Lower Upper
105 100
120 31.2 23.3 69.8





#87

1,3-Dichlorobenzene

Concen: 0.487 ug/l

RT: 13.741 min Scan# 1987

Delta R.T. 0.006 min

Lab File: VN075977.D

Acq: 27 Dec 2022 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN1227MBL01

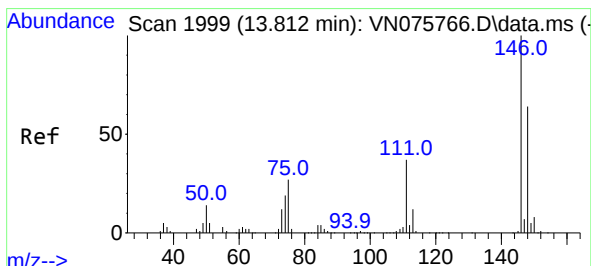
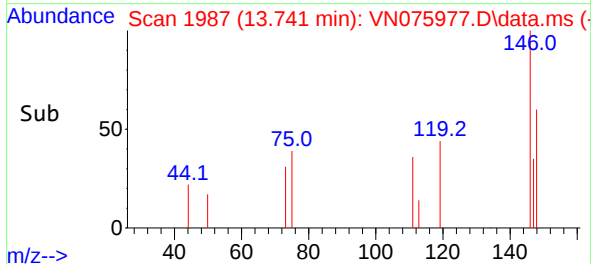
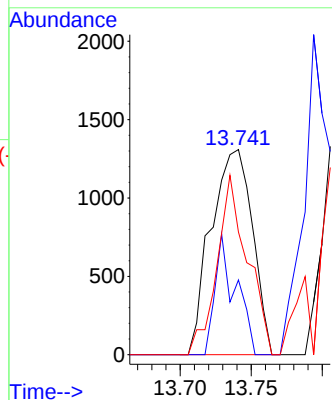
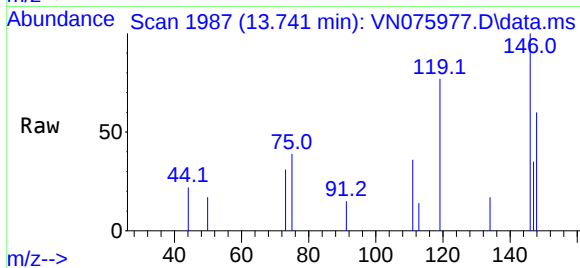
Tgt Ion:146 Resp: 2662

Ion Ratio Lower Upper

146 100

111 29.2 19.7 59.0

148 64.0 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 0.477 ug/l

RT: 13.741 min Scan# 1987

Delta R.T. -0.071 min

Lab File: VN075977.D

Acq: 27 Dec 2022 10:35

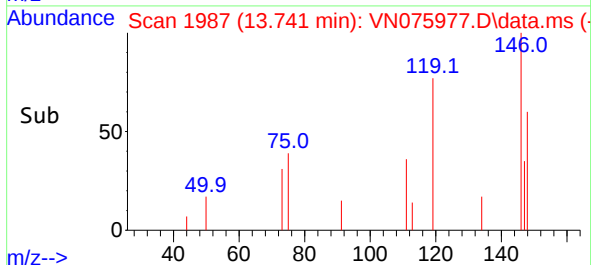
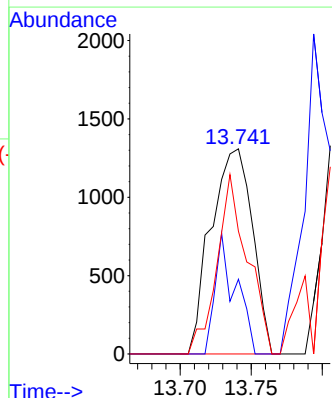
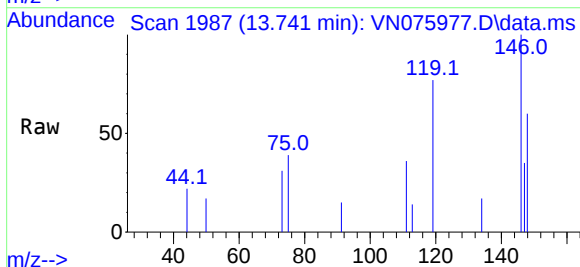
Tgt Ion:146 Resp: 2662

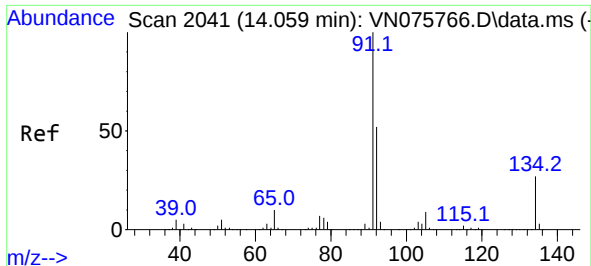
Ion Ratio Lower Upper

146 100

111 29.2 19.1 57.1

148 64.0 32.0 96.2

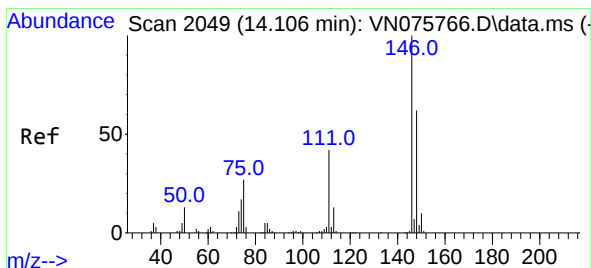
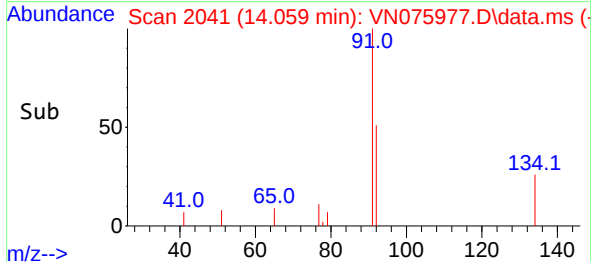
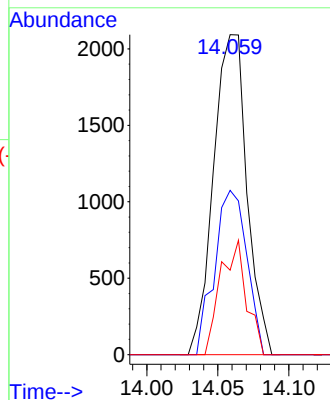
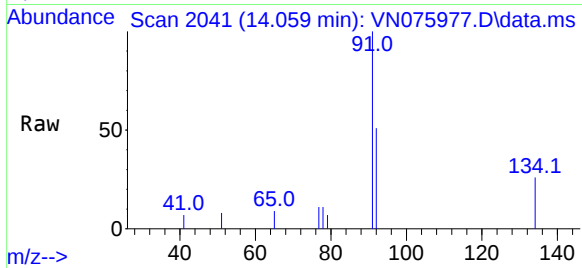




#89
n-Butylbenzene
Concen: 0.428 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

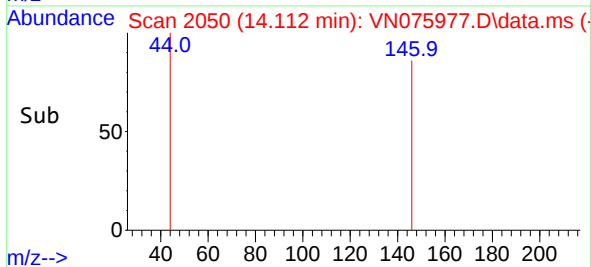
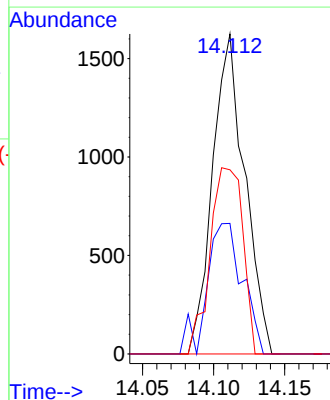
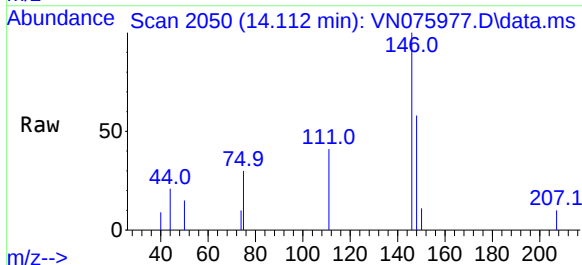
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

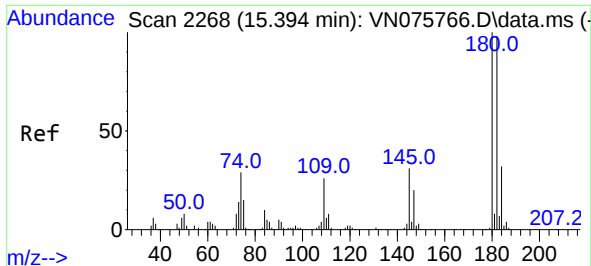
Tgt Ion: 91 Resp: 3430
Ion Ratio Lower Upper
91 100
92 49.5 26.4 79.2
134 27.7 13.4 40.2



#91
1,2-Dichlorobenzene
Concen: 0.476 ug/l
RT: 14.112 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion:146 Resp: 2563
Ion Ratio Lower Upper
146 100
111 45.2 20.3 61.0
148 59.1 31.7 95.1

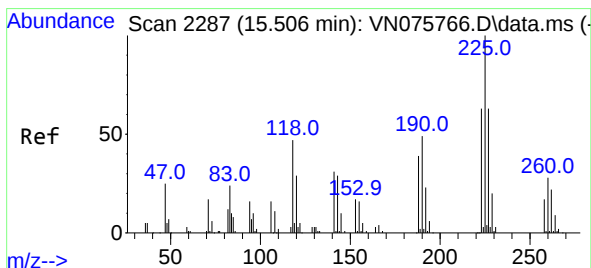
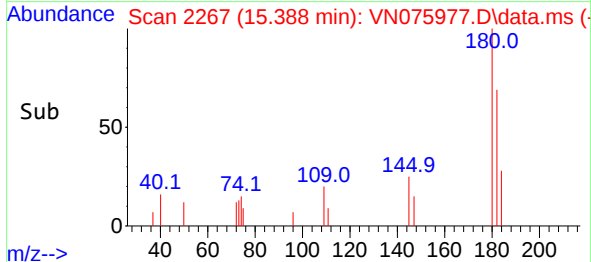
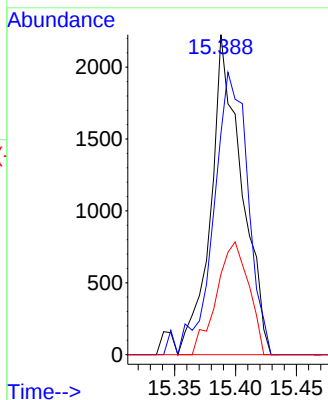
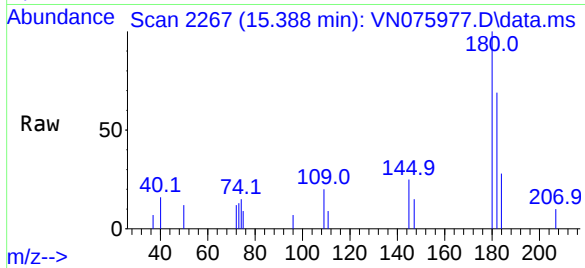




#93
1,2,4-Trichlorobenzene
Concen: 1.479 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

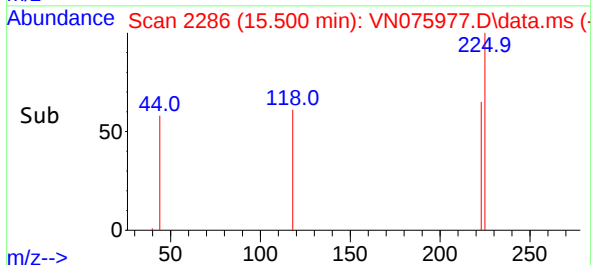
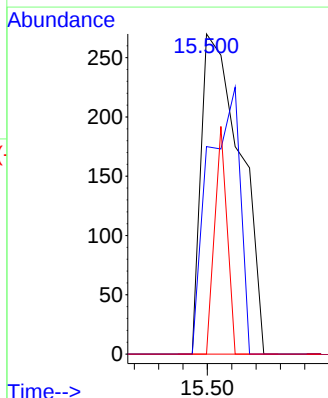
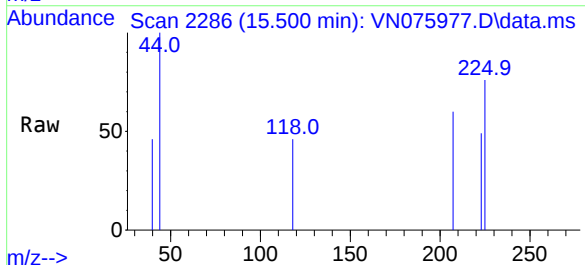
Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

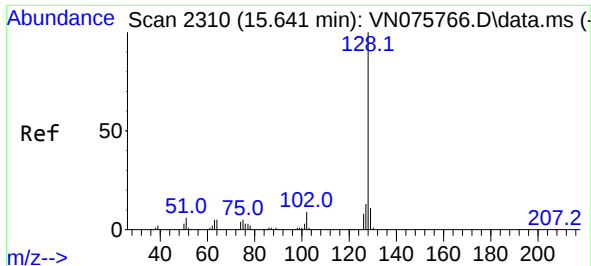
Tgt Ion:180 Resp: 3940
Ion Ratio Lower Upper
180 100
182 98.5 47.5 142.5
145 36.6 15.3 45.8



#94
Hexachlorobutadiene
Concen: 0.207 ug/l
RT: 15.500 min Scan# 2286
Delta R.T. -0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion:225 Resp: 301
Ion Ratio Lower Upper
225 100
223 67.1 31.5 94.5
227 22.6 31.6 95.0#

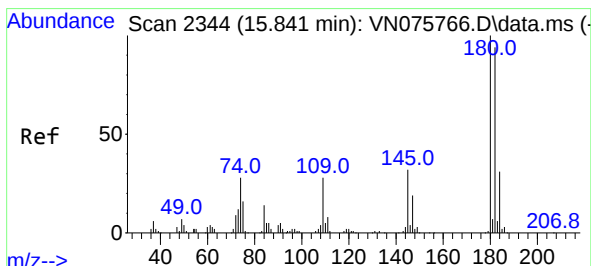
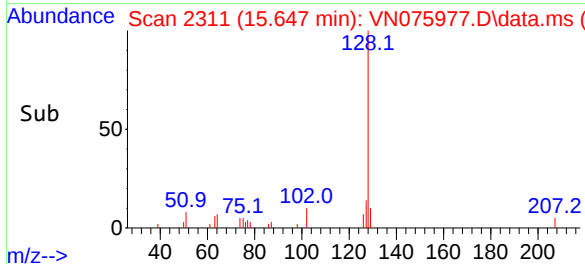
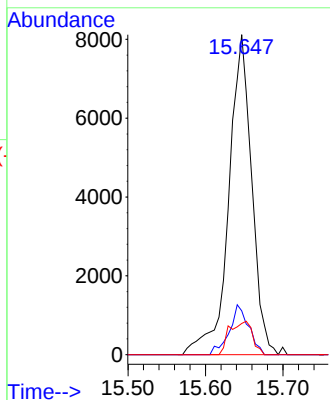
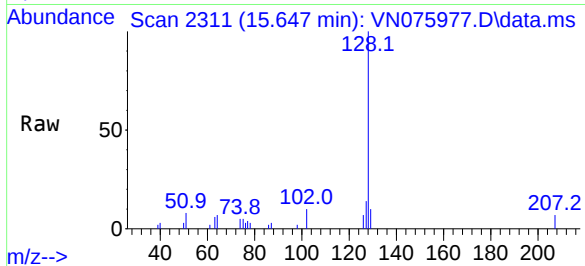




#95
Naphthalene
Concen: 4.000 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN1227MBL01

Tgt Ion:	128	Resp:	16773
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.806 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN075977.D
Acq: 27 Dec 2022 10:35

Tgt Ion:	180	Resp:	4497
Ion	Ratio	Lower	Upper
180	100		
182	101.6	47.0	141.0
145	38.0	16.0	47.9

