

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020623\
 Data File : VN076546.D
 Acq On : 06 Feb 2023 16:51
 Operator : JC\MD
 Sample : VN0206WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

Quant Time: Feb 07 04:45:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 01:44:01 2023
 Response via : Initial Calibration

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

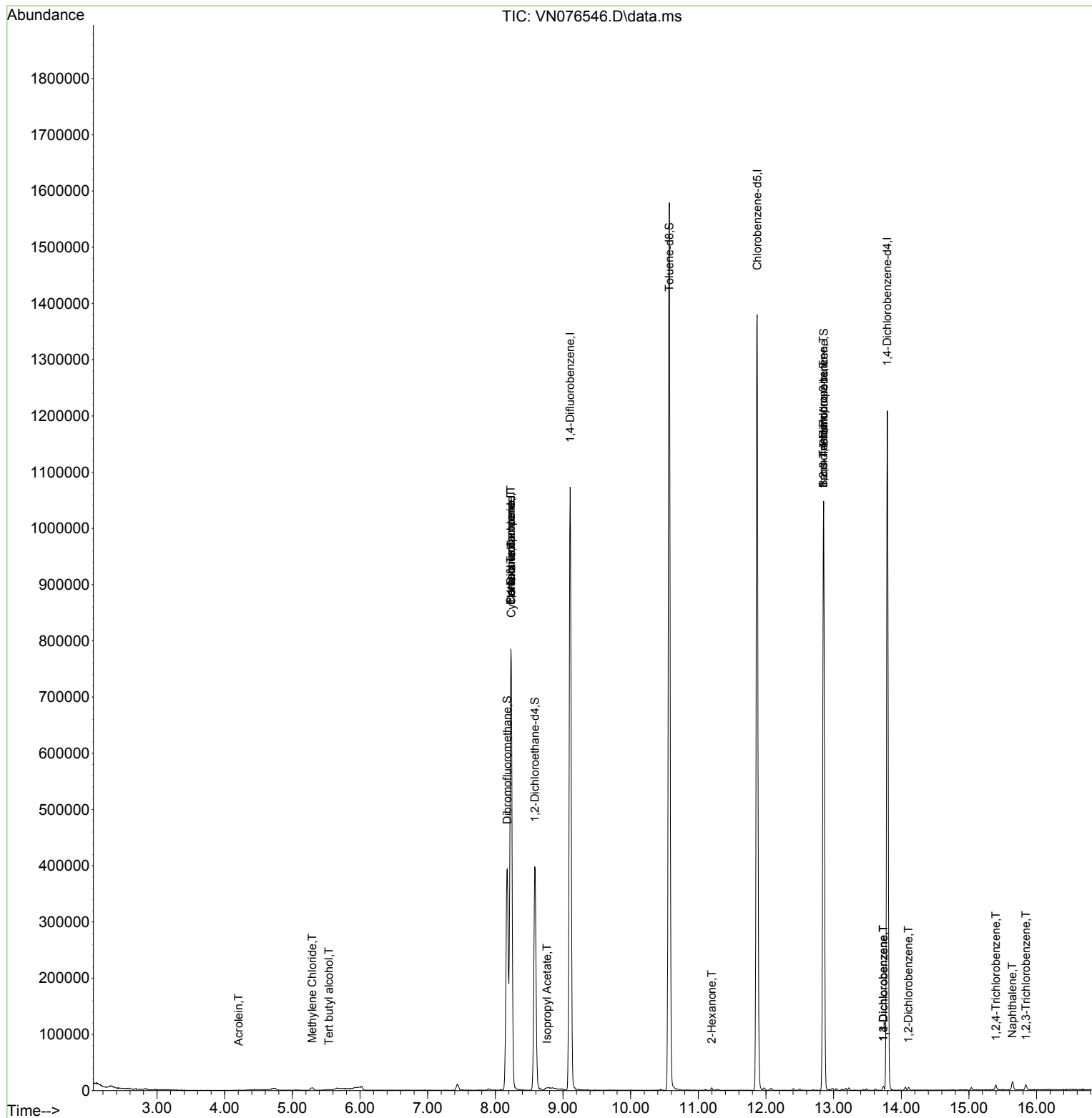
Internal Standards						
1) Pentafluorobenzene	8.230	168	599889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	989313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	860142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	343206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	336833	47.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.320%		
35) Dibromofluoromethane	8.177	113	295813	48.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.640%		
50) Toluene-d8	10.571	98	1132133	48.672	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.340%		
62) 4-Bromofluorobenzene	12.853	95	383004	47.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.020%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	64	Below Cal	#	42
11) Tert butyl alcohol	5.541	59	488	0.502	ug/l #	73
13) Acrolein	4.206	56	638	0.482	ug/l #	15
16) Acetone	4.442	43	447	Below Cal	#	39
20) Methylene Chloride	5.294	84	4288	0.594	ug/l #	77
31) Cyclohexane	8.235	56	10526	0.943	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	44798	5.121	ug/l #	48
38) Carbon Tetrachloride	8.230	117	62044	6.509	ug/l #	16
43) Isopropyl Acetate	8.765	43	4391	0.387	ug/l #	50
59) 2-Hexanone	11.200	43	2609	0.528	ug/l	92
71) Bromoform	12.847	173	1891	0.407	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	188826	26.974	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	188826	89.823	ug/l #	13
87) 1,3-Dichlorobenzene	13.735	146	2805	0.235	ug/l	94
88) 1,4-Dichlorobenzene	13.735	146	2805	0.233	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	2371	0.203	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	3697	0.717	ug/l	92
95) Naphthalene	15.641	128	15149	0.997	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	3312	0.668	ug/l	96

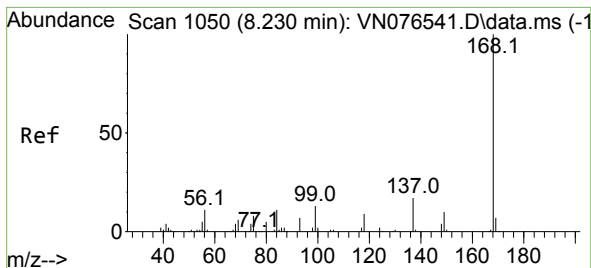
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 07 01:44:01 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076546.D

Acq: 06 Feb 2023 16:51

Instrument :

MSVOA_N

ClientSampleId :

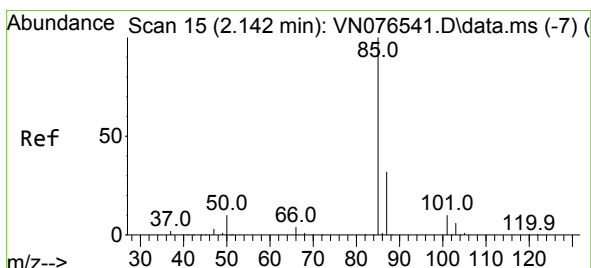
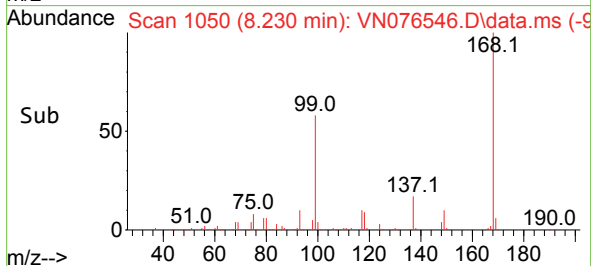
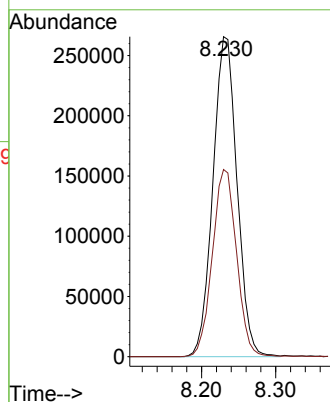
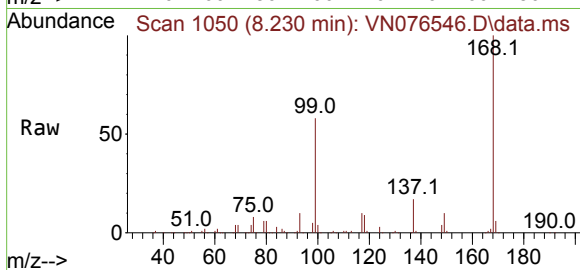
VN0206WBL01

Tgt Ion:168 Resp: 599889

Ion Ratio Lower Upper

168 100

99 58.5 47.1 70.7



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.130 min Scan# 13

Delta R.T. -0.012 min

Lab File: VN076546.D

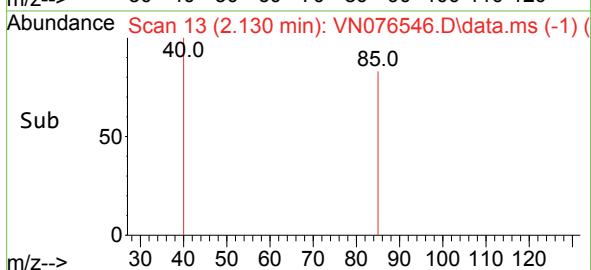
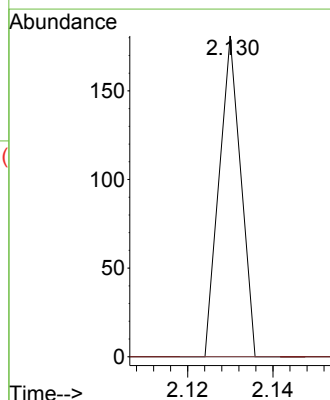
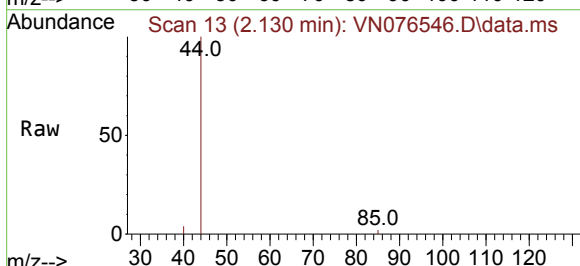
Acq: 06 Feb 2023 16:51

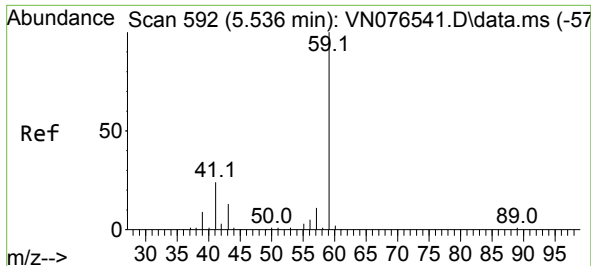
Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

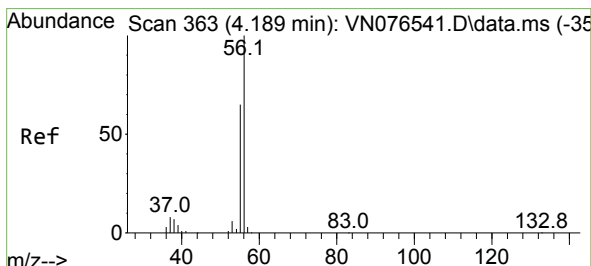
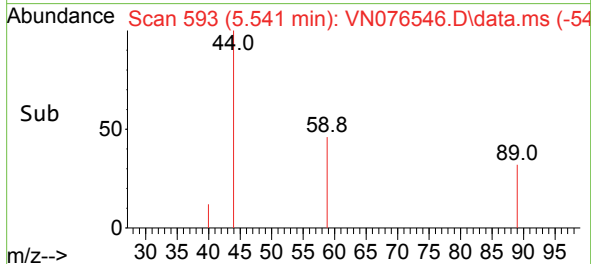
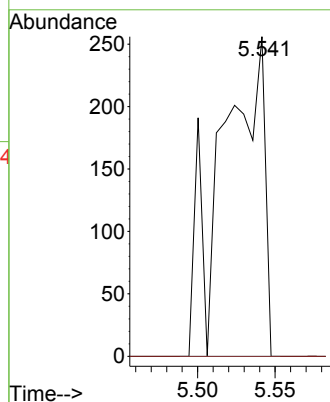
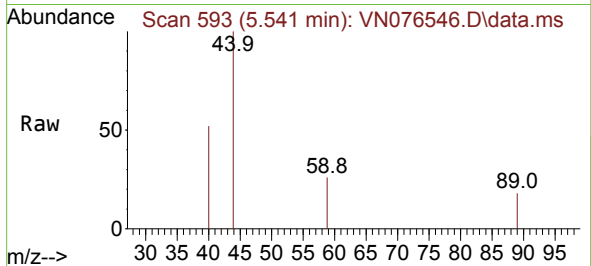




#11
Tert butyl alcohol
Concen: 0.502 ug/l
RT: 5.541 min Scan# 59
Delta R.T. 0.006 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

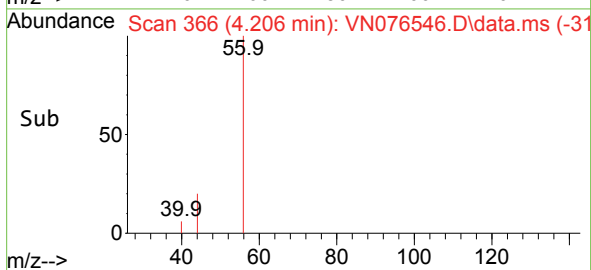
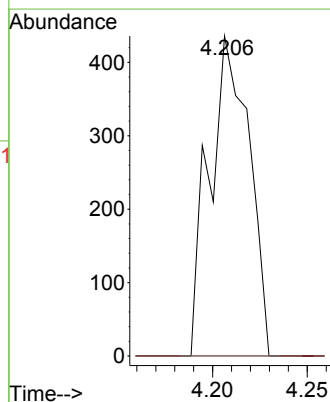
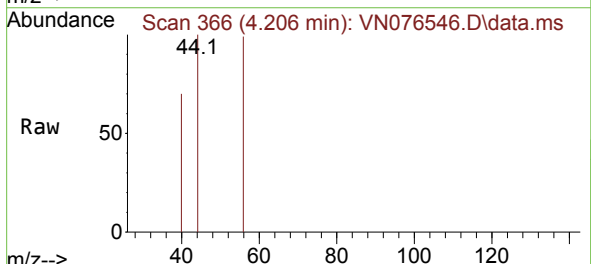
Instrument :
MSVOA_N
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VN0206WBL01

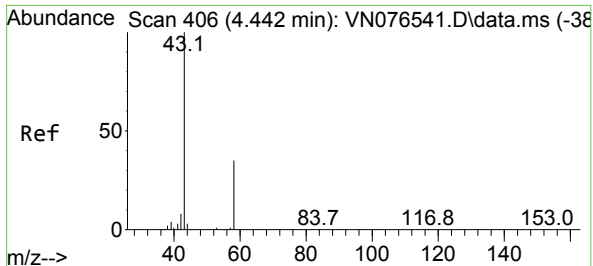
Tgt Ion: 59 Resp: 488
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.482 ug/l
RT: 4.206 min Scan# 366
Delta R.T. 0.017 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion: 56 Resp: 638
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#

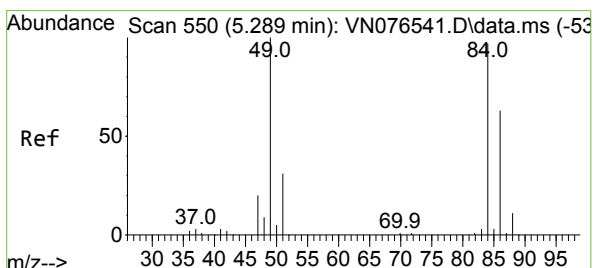
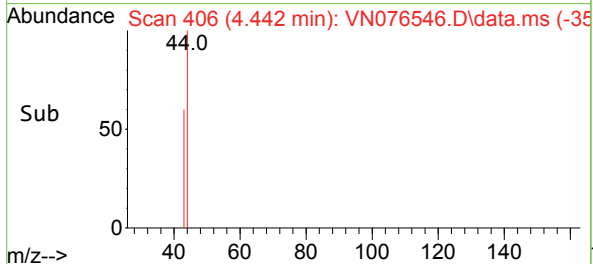
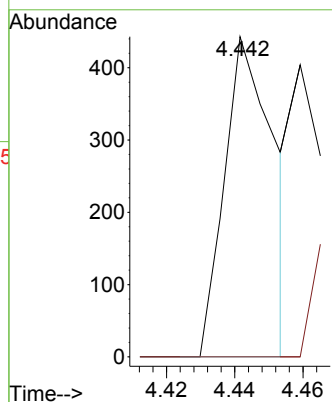
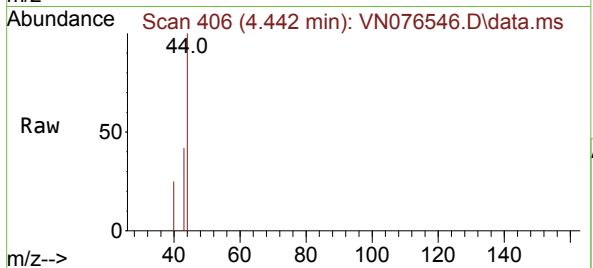




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

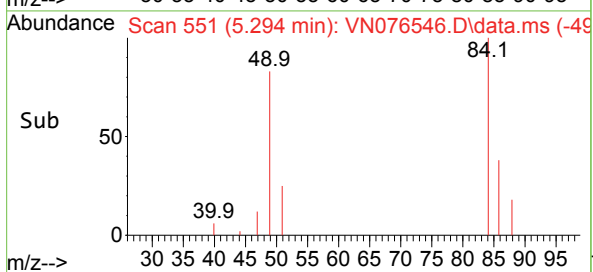
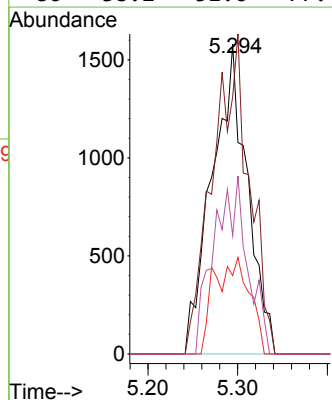
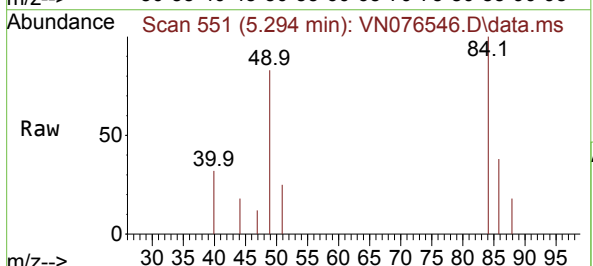
Instrument : MSVOA_N
ClientSampleId : VN0206WBL01

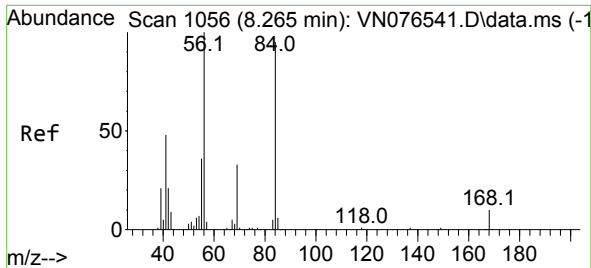
Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#



#20
Methylene Chloride
Concen: 0.594 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion: 84 Resp: 4288
Ion Ratio Lower Upper
84 100
49 83.0 82.3 123.5
51 25.3 25.9 38.9#
86 38.2 51.6 77.4#

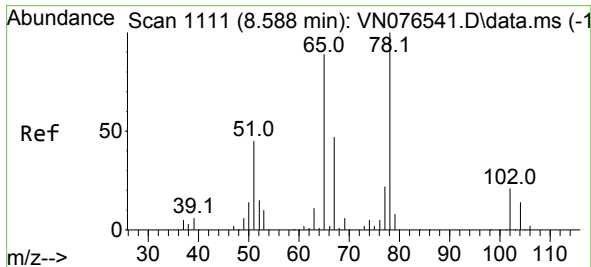
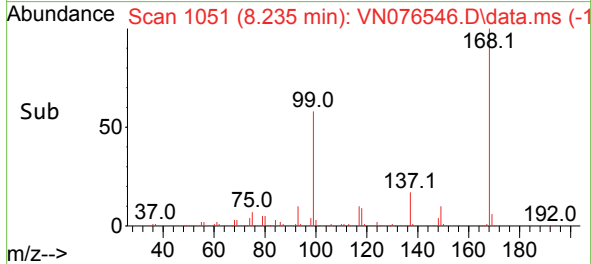
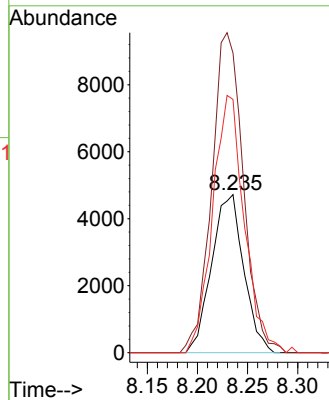
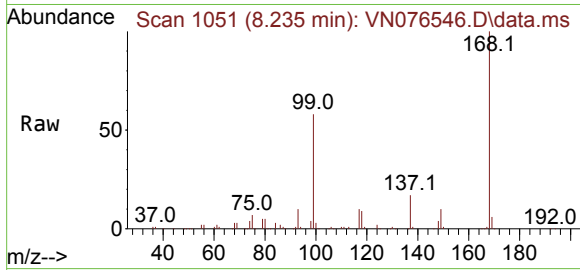




#31
Cyclohexane
Concen: 0.943 ug/l
RT: 8.235 min Scan# 10526
Delta R.T. -0.029 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

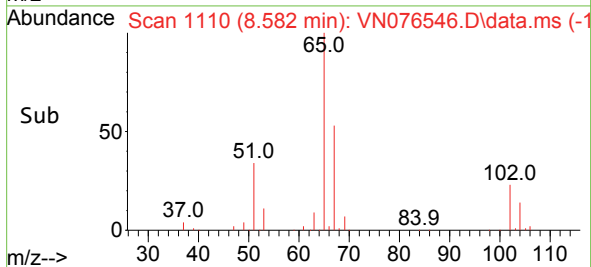
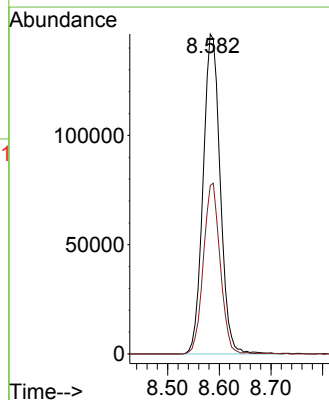
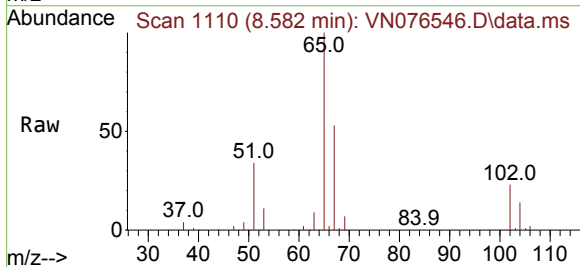
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBL01

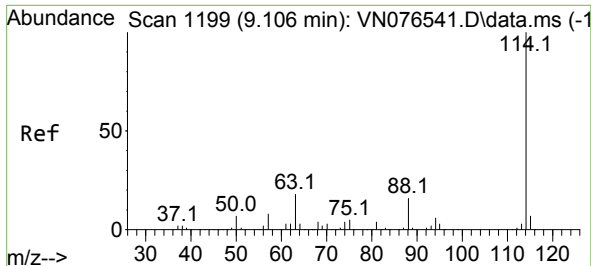
Tgt Ion: 56 Resp: 10526
Ion Ratio Lower Upper
56 100
69 189.6 26.5 39.7#
84 160.3 76.2 114.4#



#33
1,2-Dichloroethane-d4
Concen: 47.157 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion: 65 Resp: 336833
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076546.D

Acq: 06 Feb 2023 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBL01

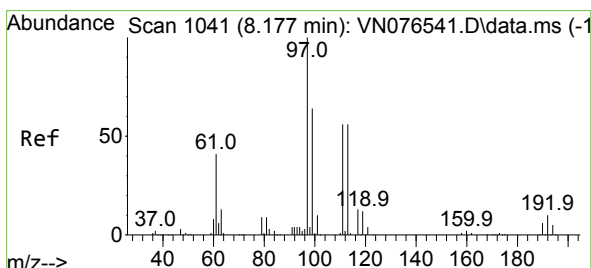
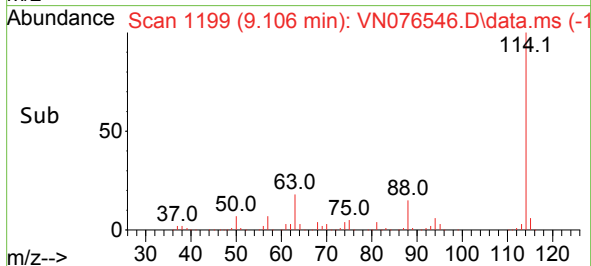
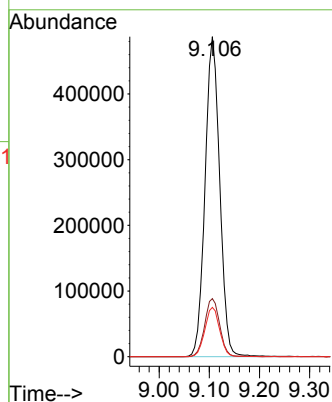
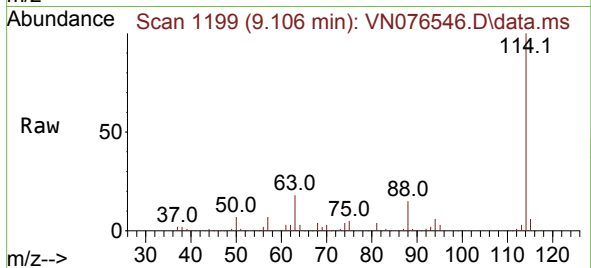
Tgt Ion:114 Resp: 989313

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.318 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VN076546.D

Acq: 06 Feb 2023 16:51

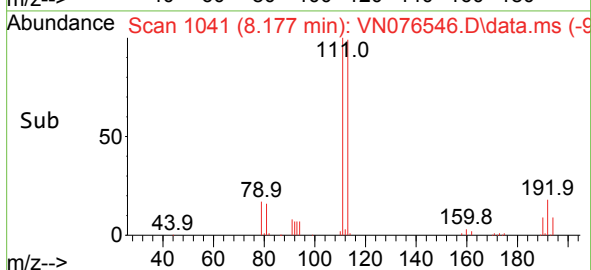
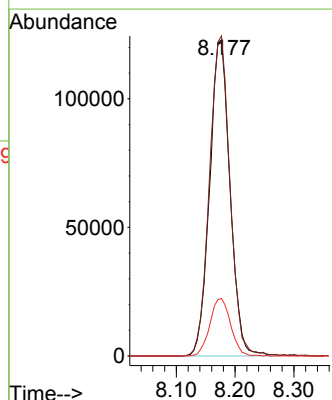
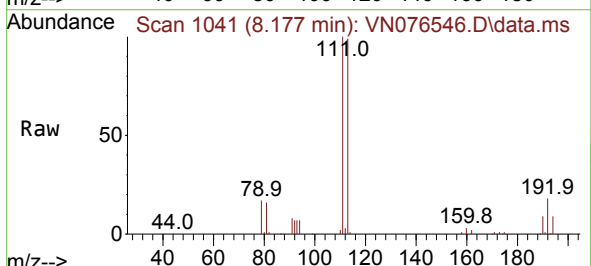
Tgt Ion:113 Resp: 295813

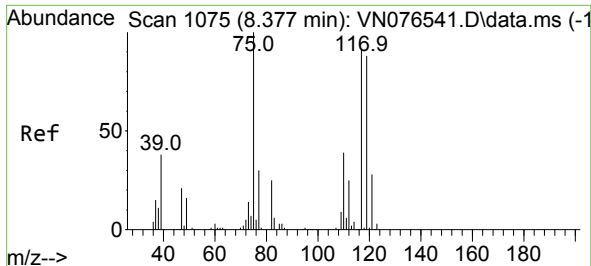
Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

192 18.5 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.121 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076546.D

Acq: 06 Feb 2023 16:51

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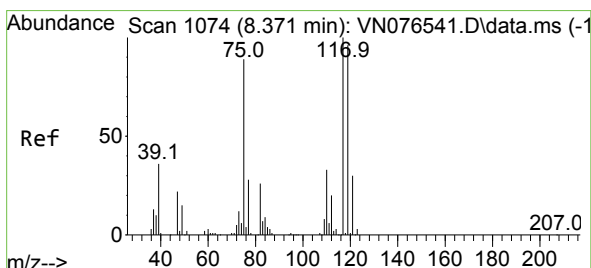
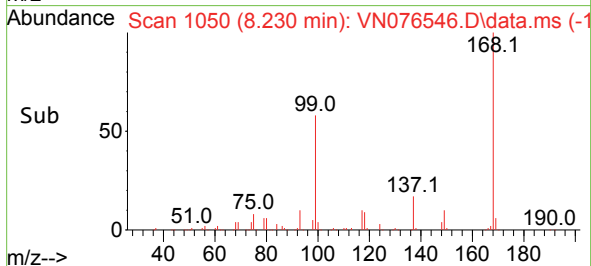
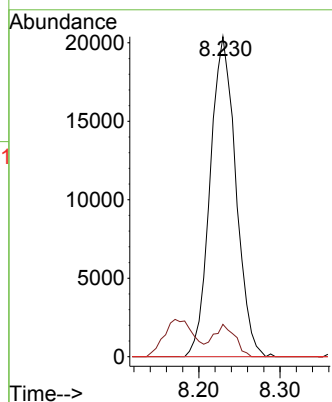
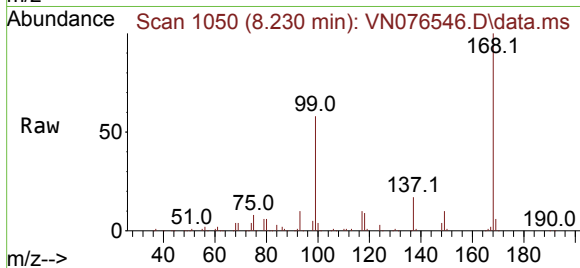
Tgt Ion: 75 Resp: 44798

Ion Ratio Lower Upper

75 100

110 8.6 18.6 55.6#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.509 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN076546.D

Acq: 06 Feb 2023 16:51

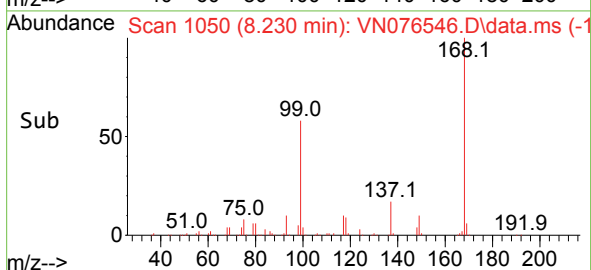
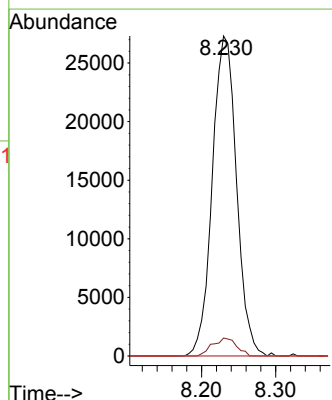
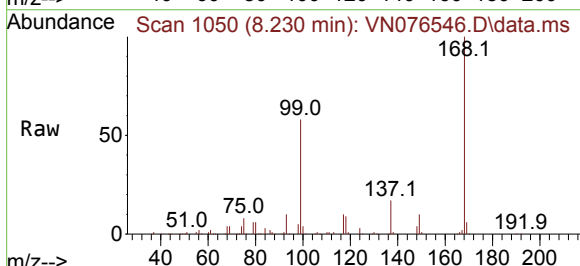
Tgt Ion: 117 Resp: 62044

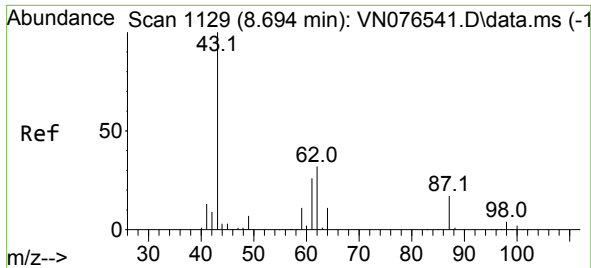
Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

121 0.0 24.2 36.4#

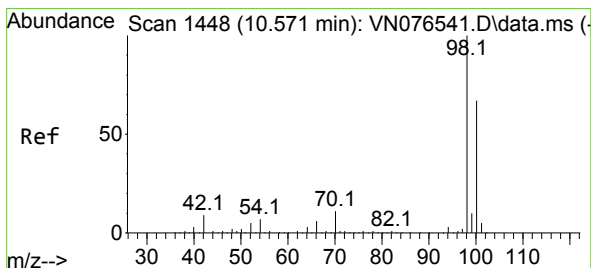
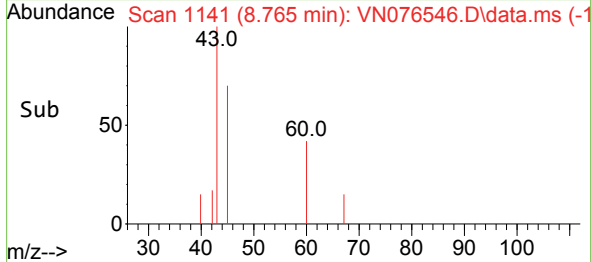
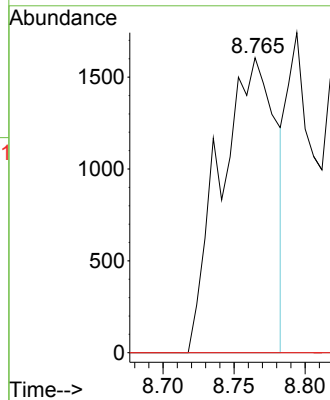
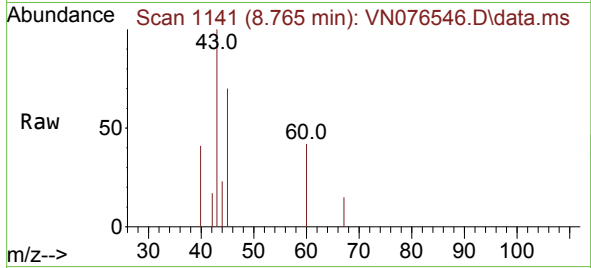




#43
Isopropyl Acetate
Concen: 0.387 ug/l
RT: 8.765 min Scan# 1129
Delta R.T. 0.071 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

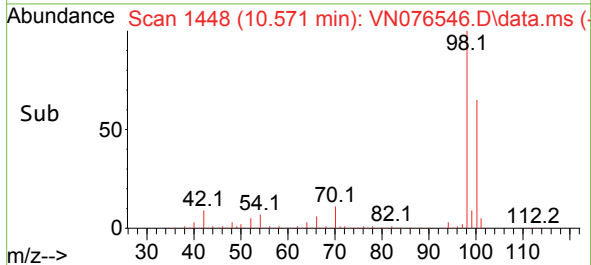
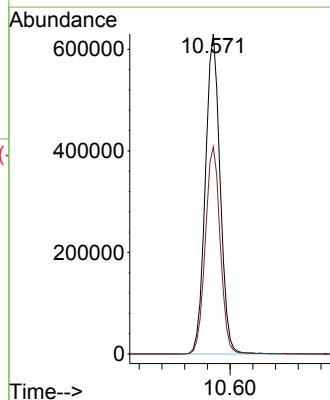
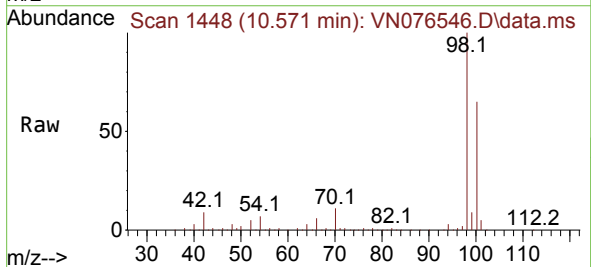
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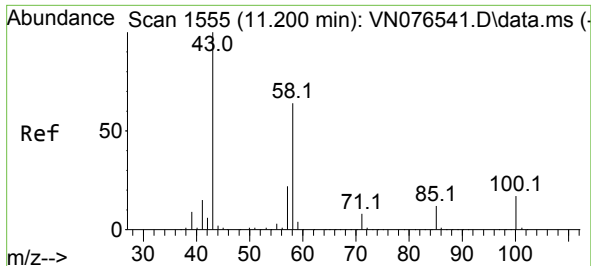
Tgt Ion: 43 Resp: 4391
Ion Ratio Lower Upper
43 100
61 0.0 24.6 36.8#
87 0.0 13.3 19.9#



#50
Toluene-d8
Concen: 48.672 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion: 98 Resp: 1132133
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

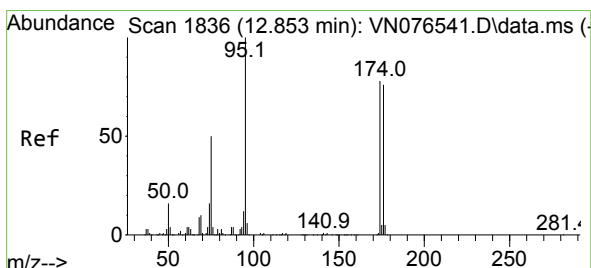
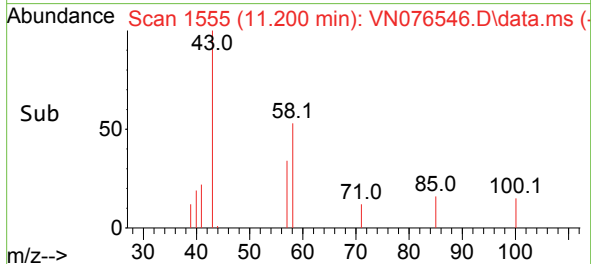
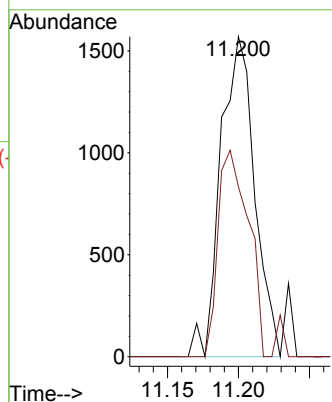
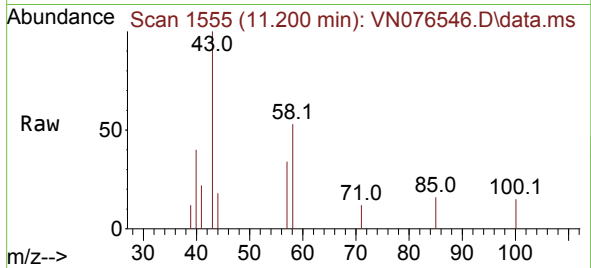




#59
2-Hexanone
Concen: 0.528 ug/l
RT: 11.200 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

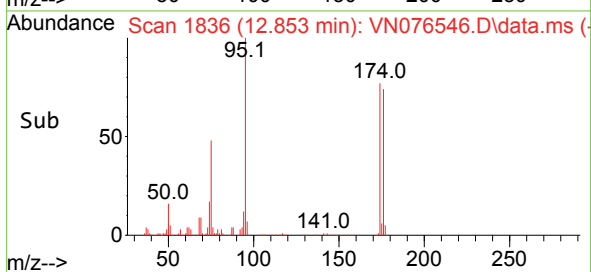
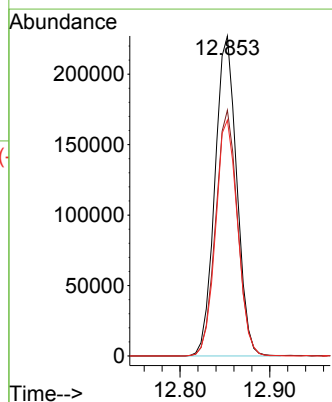
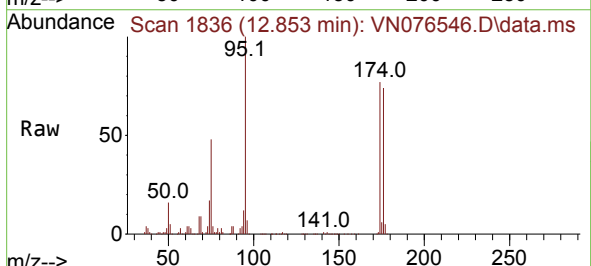
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBL01

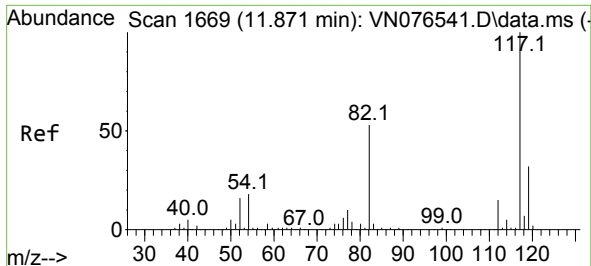
Tgt Ion: 43 Resp: 2609
Ion Ratio Lower Upper
43 100
58 57.9 31.9 95.7



#62
4-Bromofluorobenzene
Concen: 47.508 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion: 95 Resp: 383004
Ion Ratio Lower Upper
95 100
174 77.2 0.0 153.4
176 74.4 0.0 149.0

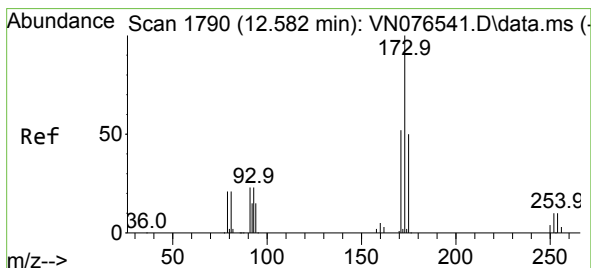
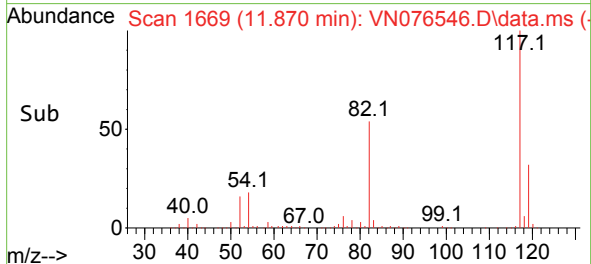
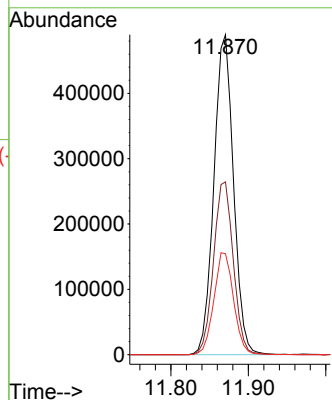
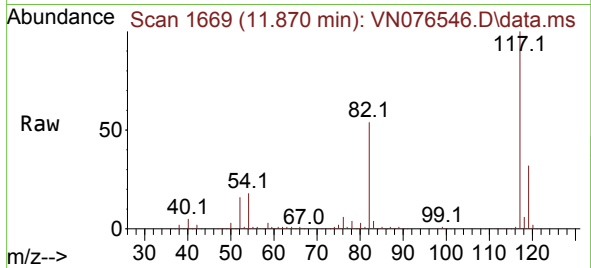




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

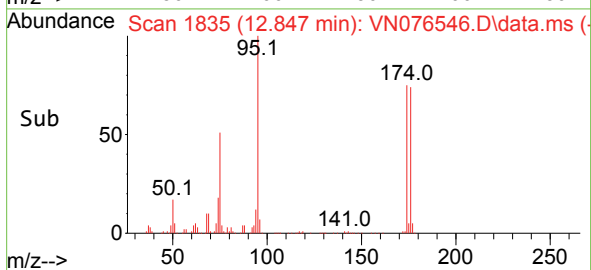
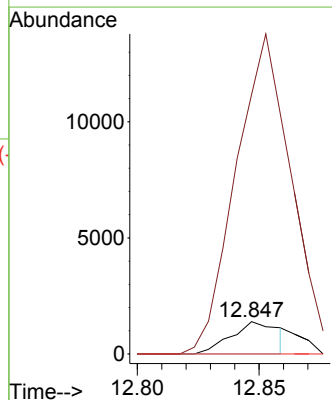
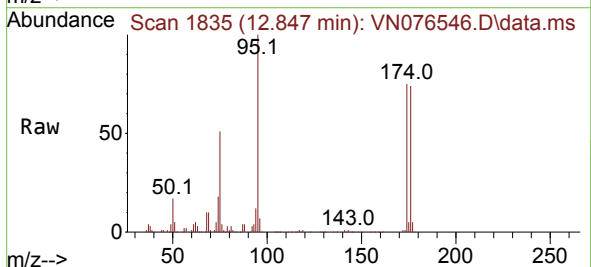
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBL01

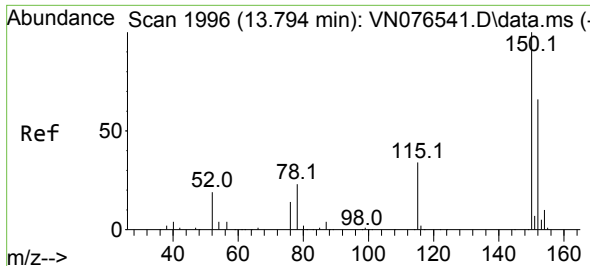
Tgt Ion:117 Resp: 860142
Ion Ratio Lower Upper
117 100
82 54.0 42.4 63.6
119 31.5 25.8 38.8



#71
Bromoform
Concen: 0.407 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion:173 Resp: 1891
Ion Ratio Lower Upper
173 100
175 933.1 24.6 74.0#
254 0.0 0.0 0.0

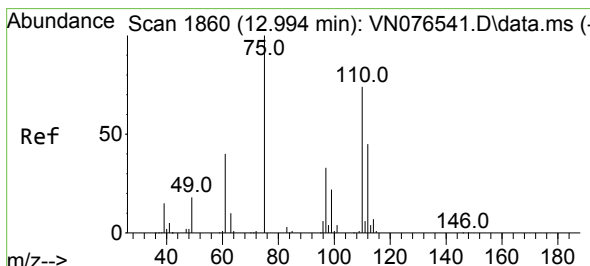
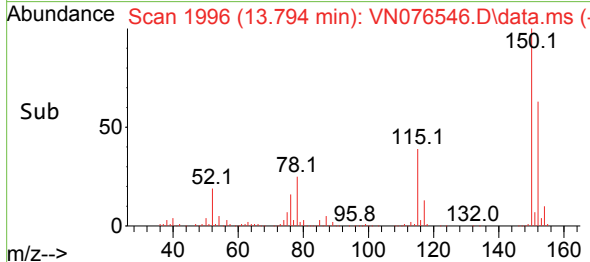
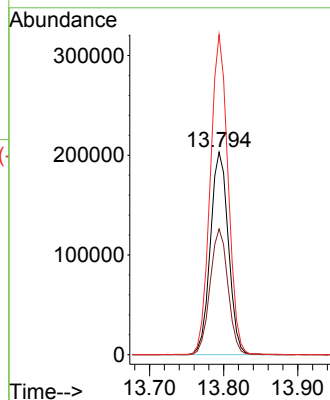
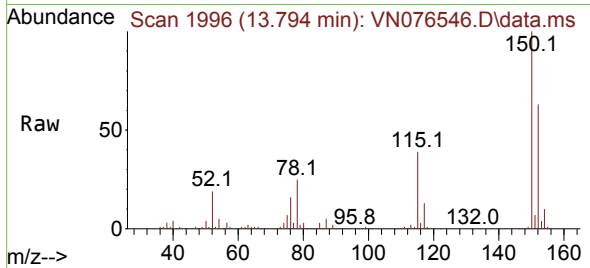




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

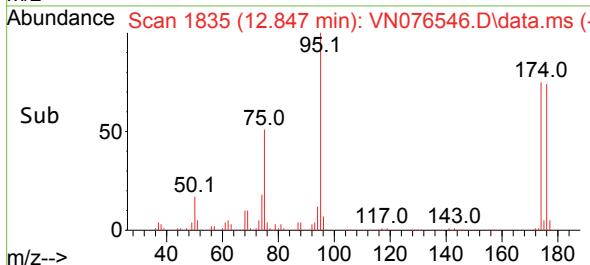
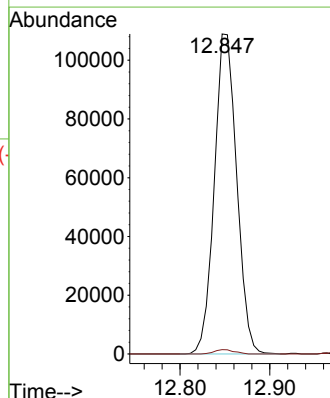
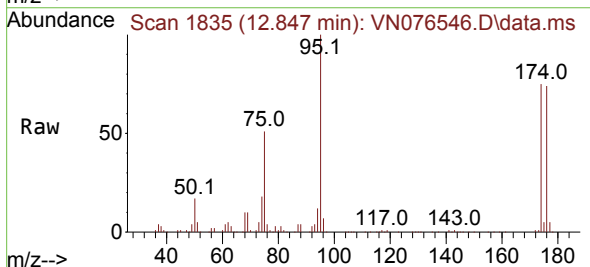
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBL01

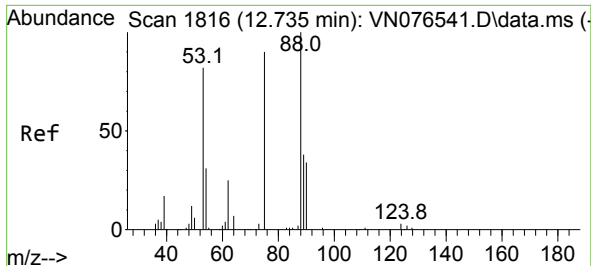
Tgt Ion:152 Resp: 343206
Ion Ratio Lower Upper
152 100
115 61.6 30.5 91.5
150 156.2 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 26.974 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion: 75 Resp: 188826
Ion Ratio Lower Upper
75 100
77 1.2 86.8 260.3#

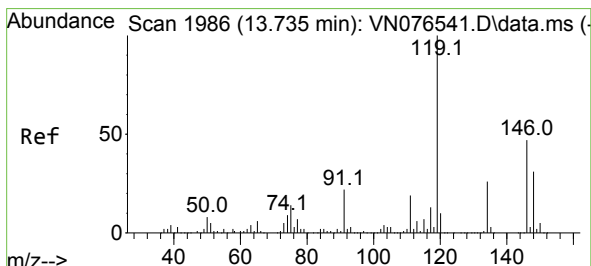
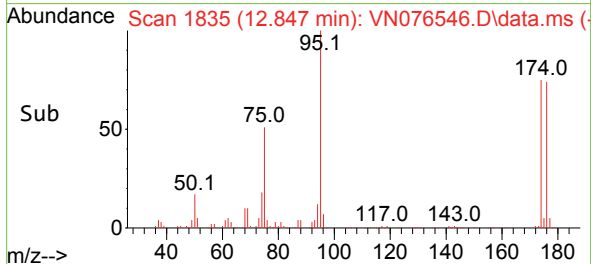
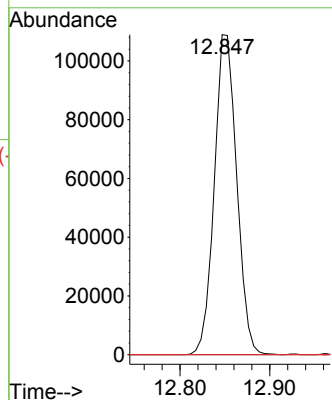
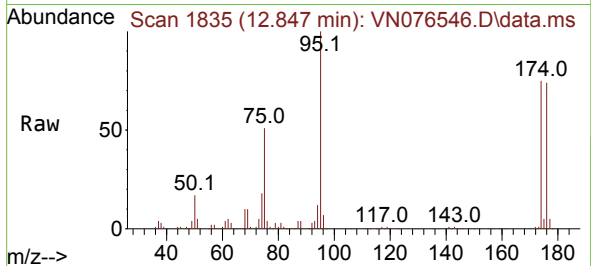




#81
trans-1,4-Dichloro-2-butene
Concen: 89.823 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

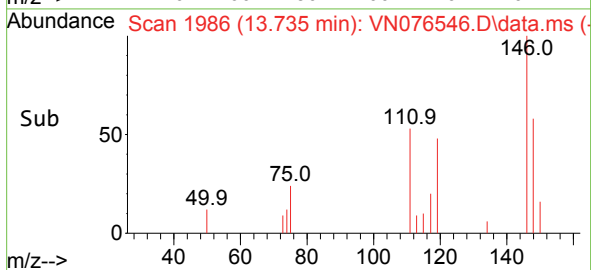
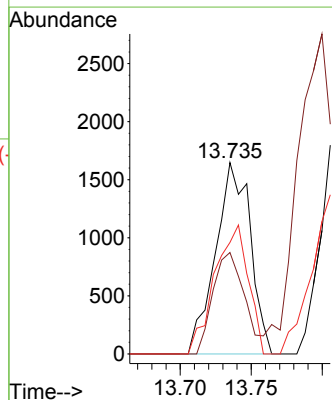
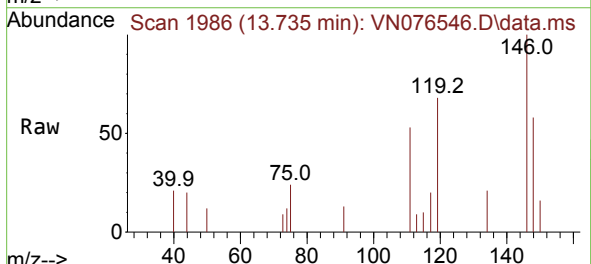
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBL01

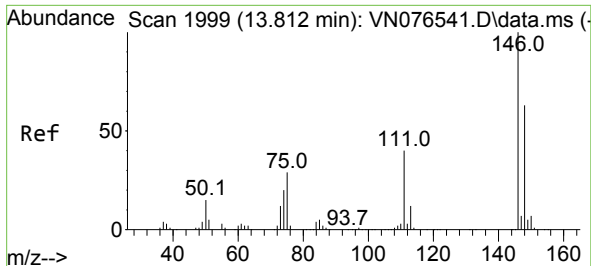
Tgt Ion: 75 Resp: 188826
Ion Ratio Lower Upper
75 100
53 0.0 72.7 109.1#
89 0.0 38.4 57.6#



#87
1,3-Dichlorobenzene
Concen: 0.235 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion:146 Resp: 2805
Ion Ratio Lower Upper
146 100
111 48.9 20.5 61.5
148 65.1 32.0 96.2

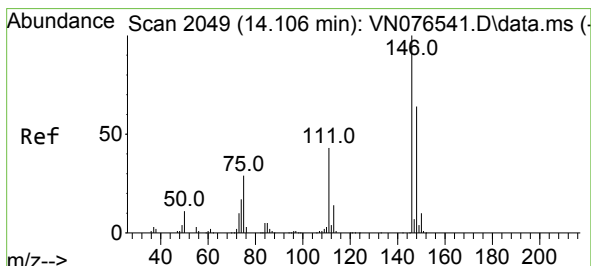
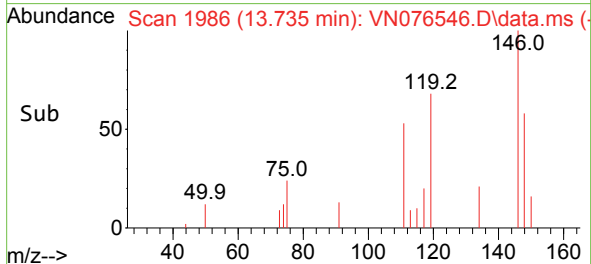
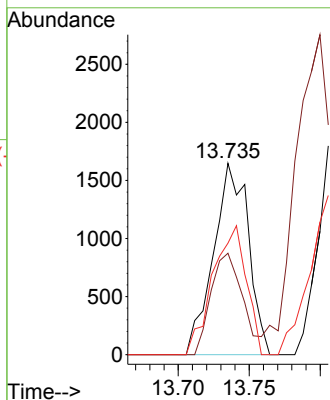
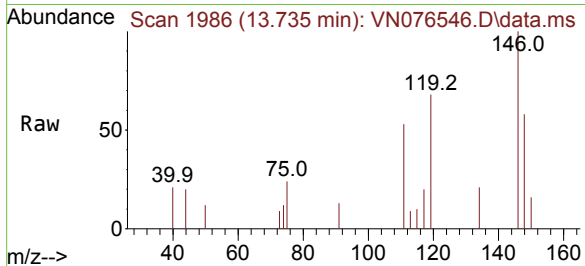




#88
1,4-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

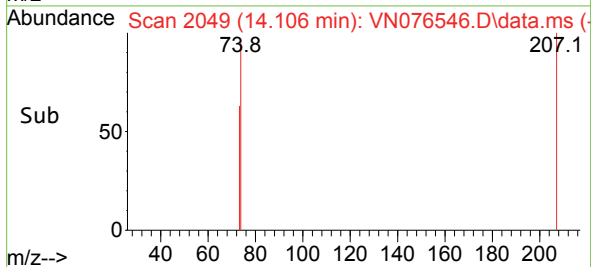
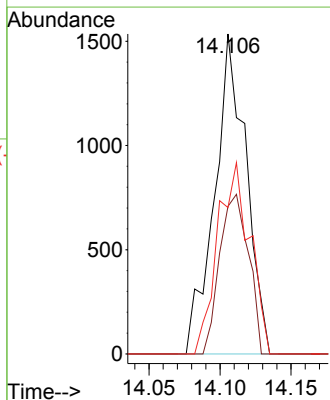
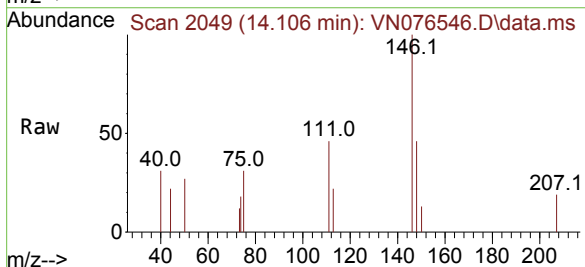
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBL01

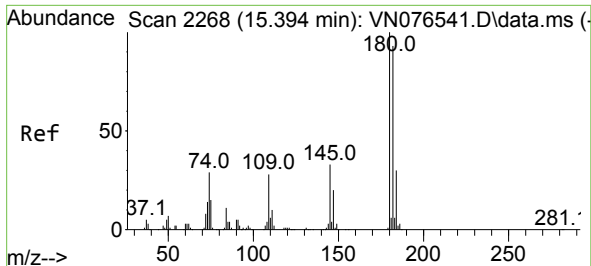
Tgt Ion:146 Resp: 2805
Ion Ratio Lower Upper
146 100
111 48.9 20.1 60.2
148 65.1 31.6 95.0



#91
1,2-Dichlorobenzene
Concen: 0.203 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN076546.D
Acq: 06 Feb 2023 16:51

Tgt Ion:146 Resp: 2371
Ion Ratio Lower Upper
146 100
111 45.6 21.3 63.9
148 61.3 32.3 96.9

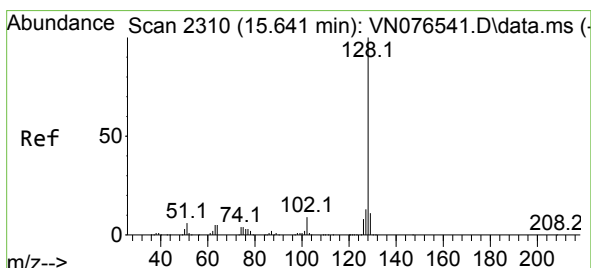
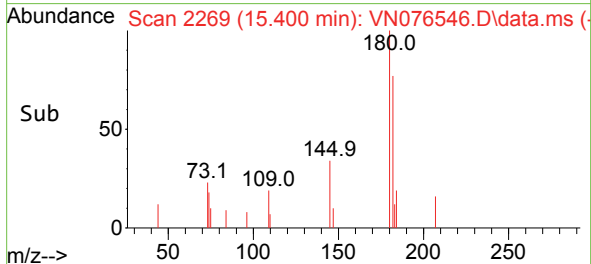
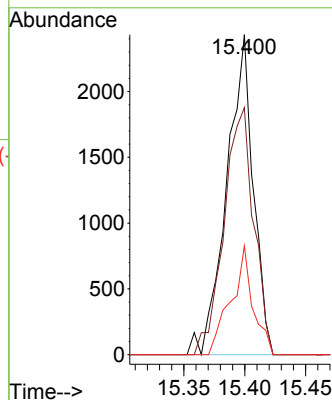
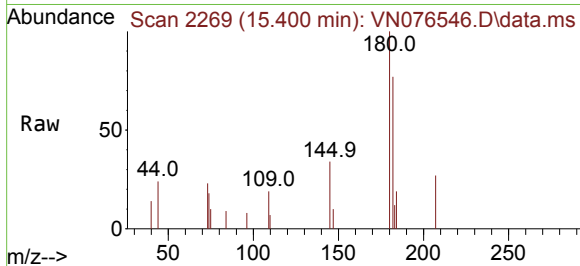




#93
 1,2,4-Trichlorobenzene
 Concen: 0.717 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076546.D
 Acq: 06 Feb 2023 16:51

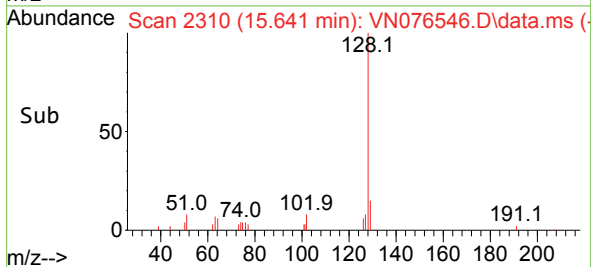
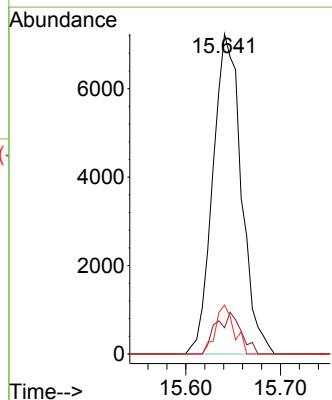
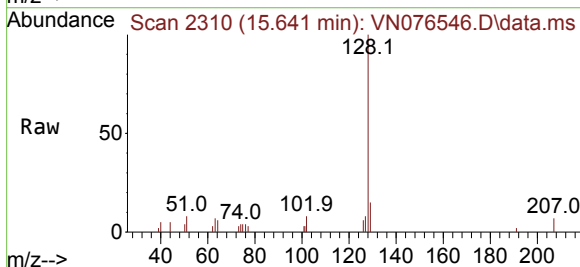
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

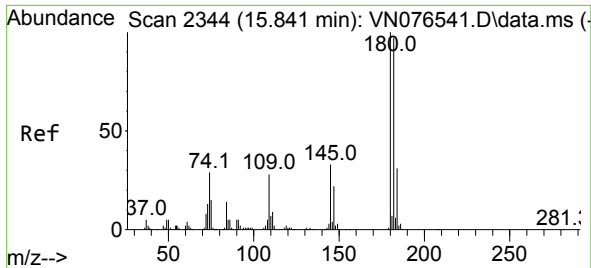
Tgt Ion:180 Resp: 3697
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.2 141.6
 145 28.2 16.1 48.2



#95
 Naphthalene
 Concen: 0.997 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN076546.D
 Acq: 06 Feb 2023 16:51

Tgt Ion:128 Resp: 15149
 Ion Ratio Lower Upper
 128 100
 127 11.4 10.4 15.6
 129 9.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.668 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076546.D
 Acq: 06 Feb 2023 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

Tgt Ion:180 Resp: 3312
 Ion Ratio Lower Upper
 180 100
 182 99.1 47.6 142.8
 145 36.7 16.8 50.3

