

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076516.D
 Acq On : 02 Feb 2023 17:39
 Operator : JC\MD
 Sample : PB150614ZHE#2
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#2

Quant Time: Feb 03 01:03:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

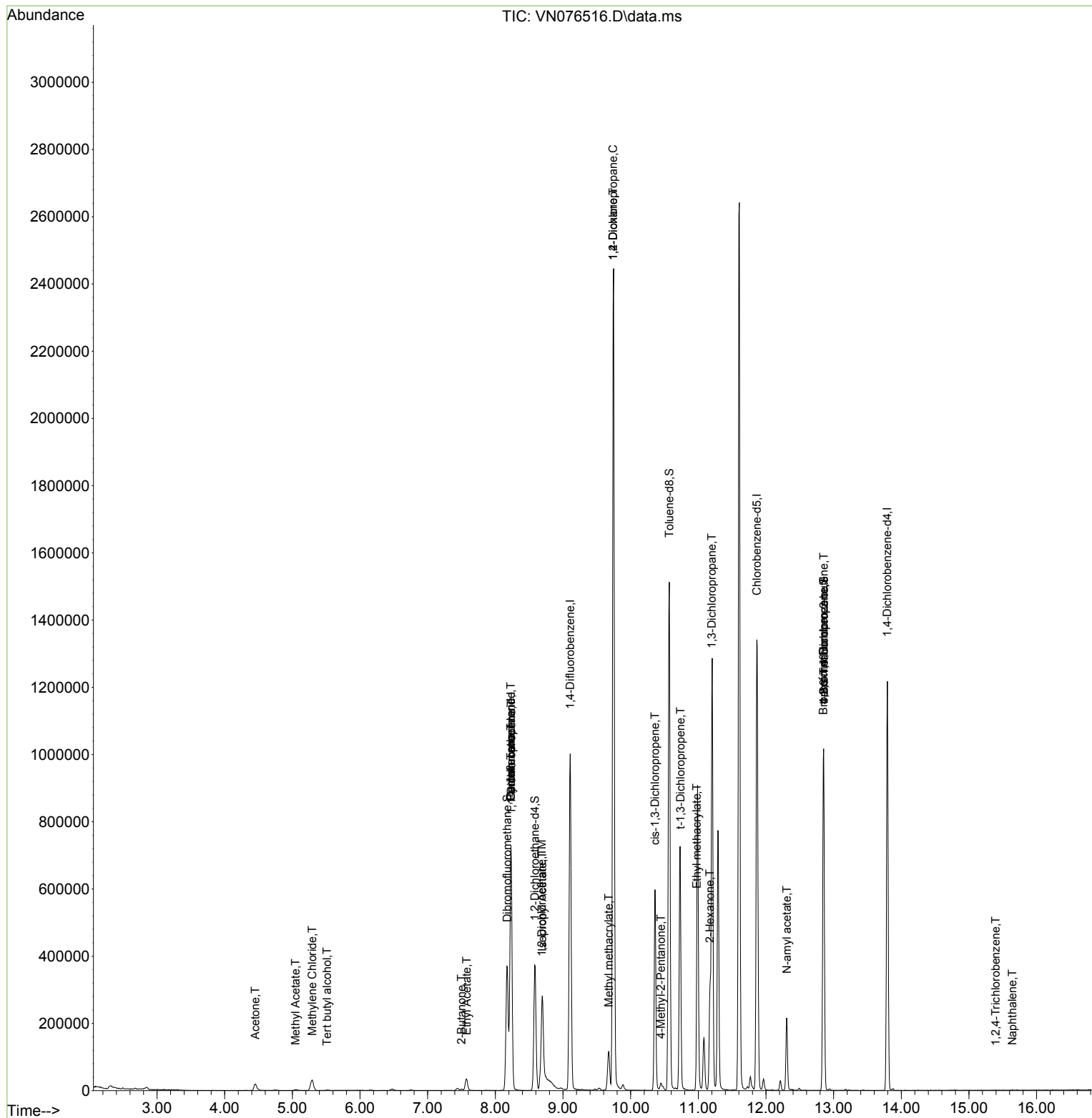
Internal Standards						
1) Pentafluorobenzene	8.230	168	539194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	906829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	835367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	330998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	322816	53.471	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.940%	
35) Dibromofluoromethane	8.177	113	271090	47.789	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.580%	
50) Toluene-d8	10.571	98	1079323	51.520	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.040%	
62) 4-Bromofluorobenzene	12.853	95	367040	53.668	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	756	0.936	ug/l #	72
16) Acetone	4.453	43	39206	20.190	ug/l	99
18) Methyl Acetate	5.047	43	5456	0.832	ug/l #	68
20) Methylene Chloride	5.295	84	26398	4.056	ug/l	93
25) 2-Butanone	7.500	43	5836	1.974	ug/l	100
31) Cyclohexane	8.230	56	10414	1.123	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	41349	5.130	ug/l #	48
37) Ethyl Acetate	7.577	43	52114	8.091	ug/l	97
38) Carbon Tetrachloride	8.230	117	57282	6.373	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	2257	0.274	ug/l #	73
43) Isopropyl Acetate	8.694	43	417546	39.699	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	3638	0.630	ug/l #	42
48) Methyl methacrylate	9.677	41	6659	1.337	ug/l #	33
49) 1,4-Dioxane	9.741	88	449	4.273	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21091	3.416	ug/l #	73
53) t-1,3-Dichloropropene	10.735	75	2118	0.263	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	114511	12.356	ug/l #	59
56) Ethyl methacrylate	10.976	69	2830	0.356	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	14499	1.448	ug/l #	42
59) 2-Hexanone	11.171	43	233691	52.230	ug/l #	21
71) Bromoform	12.847	173	1932	0.407	ug/l #	1
74) N-amyl acetate	12.306	43	64020	8.692	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	187032	30.650	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	187032	94.015	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	228	1.343	ug/l #	35
95) Naphthalene	15.641	128	1354	1.915	ug/l #	69

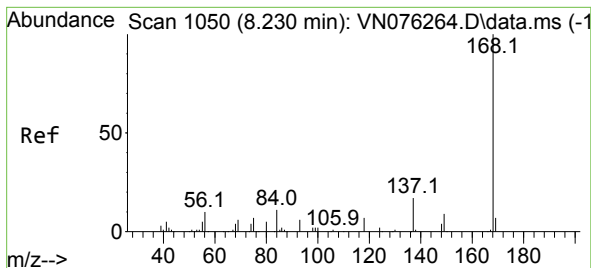
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Feb 03 01:03:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

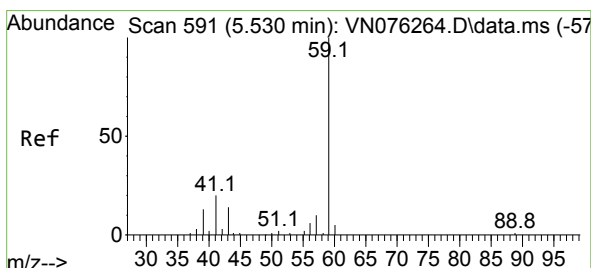
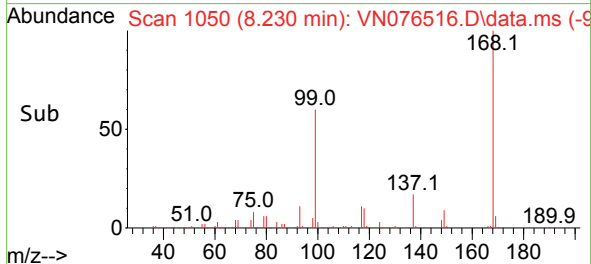
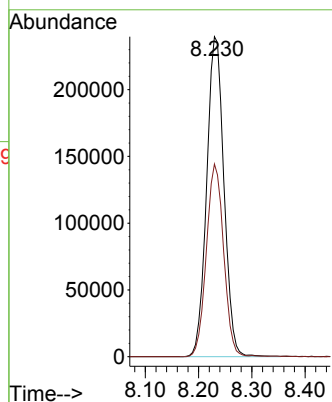
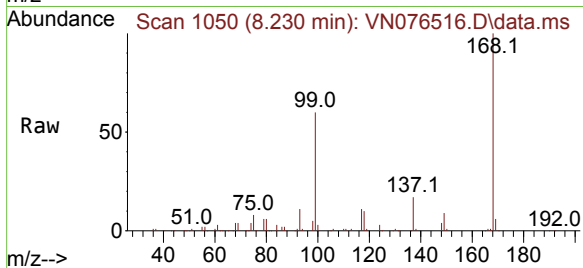




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

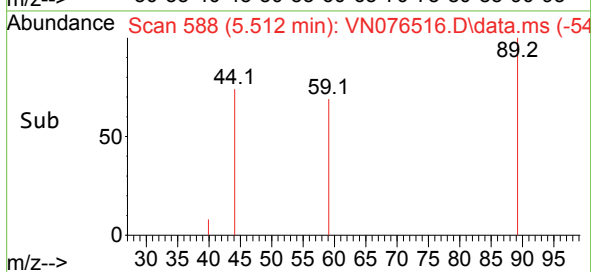
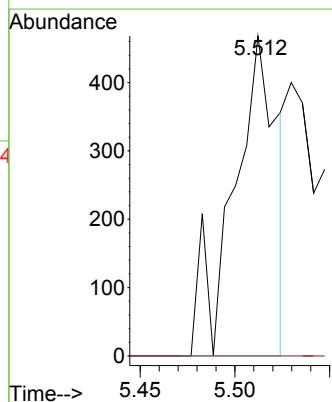
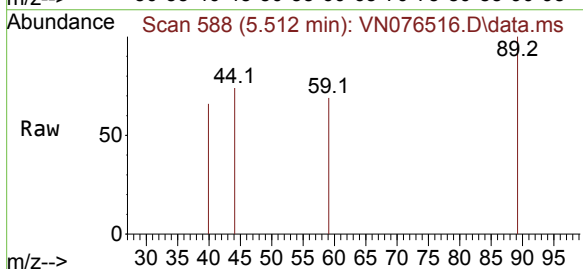
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

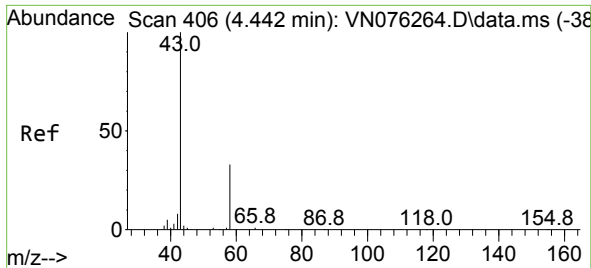
Tgt Ion:168 Resp: 539194
Ion Ratio Lower Upper
168 100
99 60.2 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.936 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.018 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

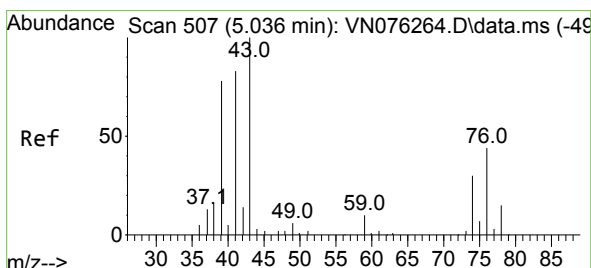
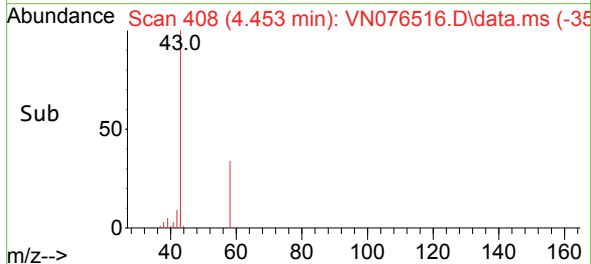
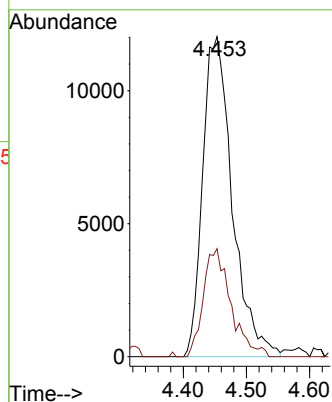
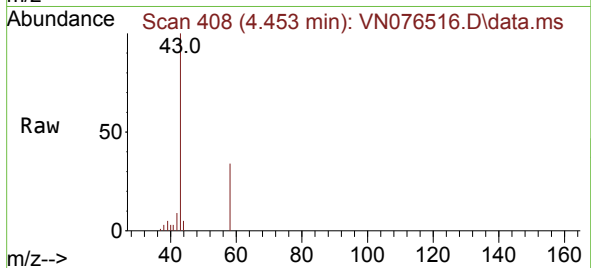




#16
Acetone
Concen: 20.190 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

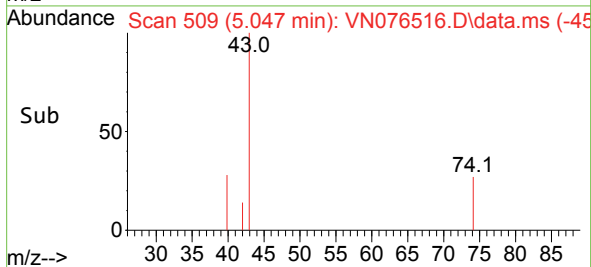
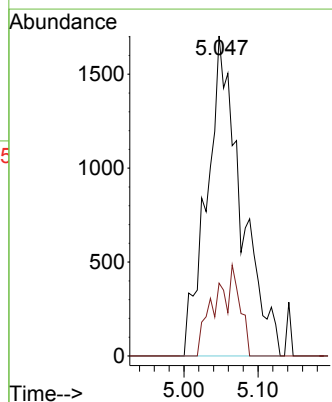
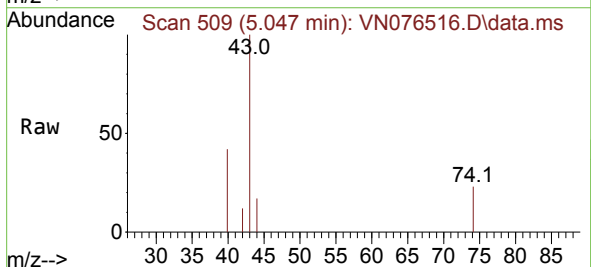
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

Tgt Ion: 43 Resp: 39206
Ion Ratio Lower Upper
43 100
58 33.7 26.7 40.1



#18
Methyl Acetate
Concen: 0.832 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

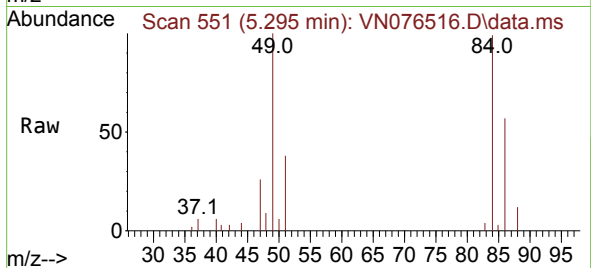
Tgt Ion: 43 Resp: 5456
Ion Ratio Lower Upper
43 100
74 12.1 23.3 34.9#





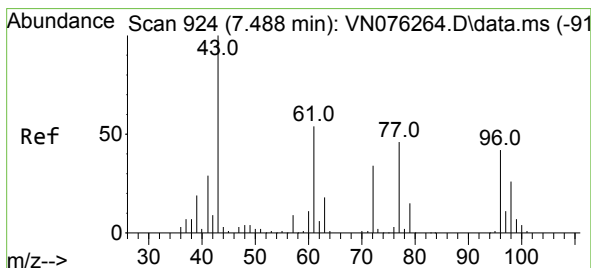
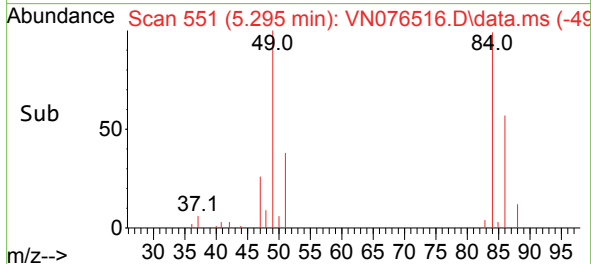
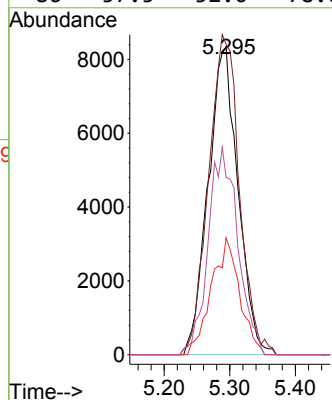
#20
Methylene Chloride
Concen: 4.056 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2



Tgt Ion: 84 Resp: 26398

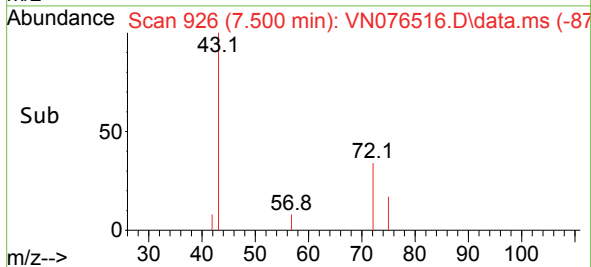
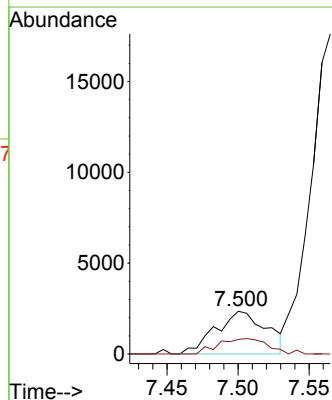
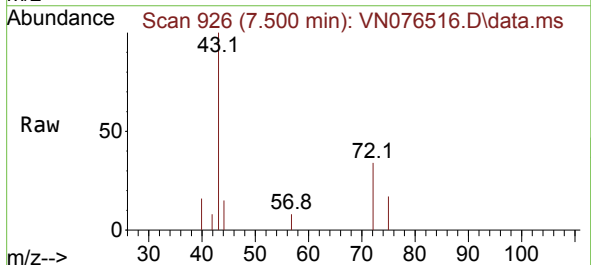
Ion	Ratio	Lower	Upper
84	100		
49	100.7	84.5	126.7
51	37.9	26.0	39.0
86	57.5	52.0	78.0

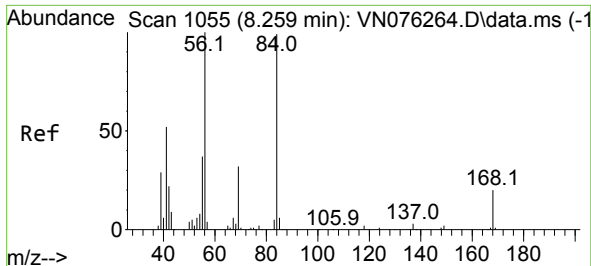


#25
2-Butanone
Concen: 1.974 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 43 Resp: 5836

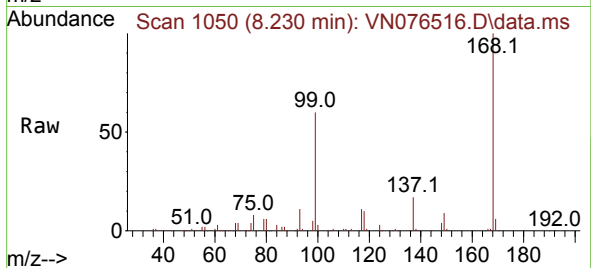
Ion	Ratio	Lower	Upper
43	100		
72	34.3	27.4	41.2



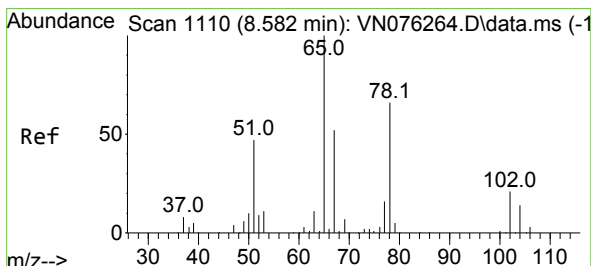
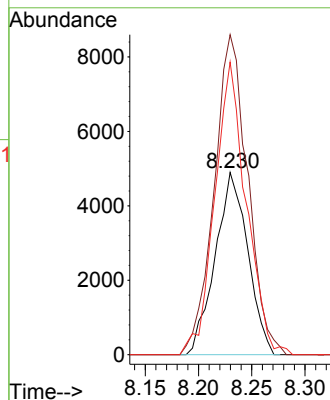
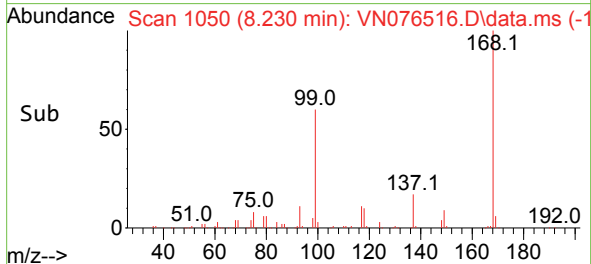


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Instrument :
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ClientSampleId :
PB150614ZHE#2

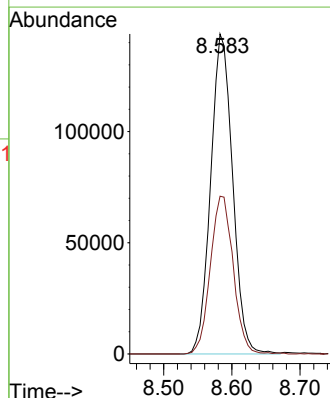
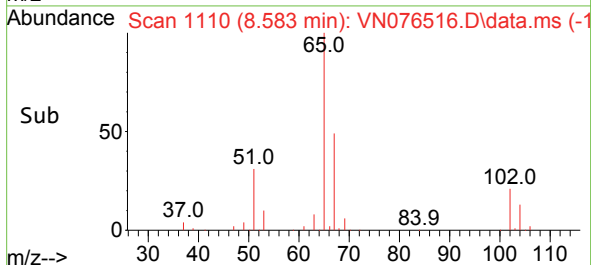
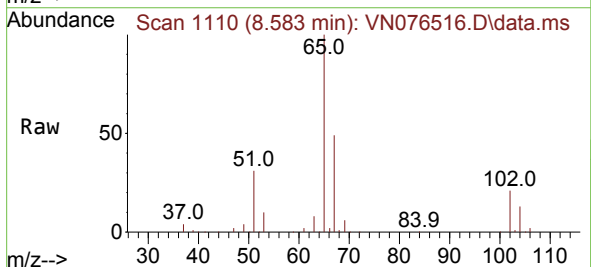


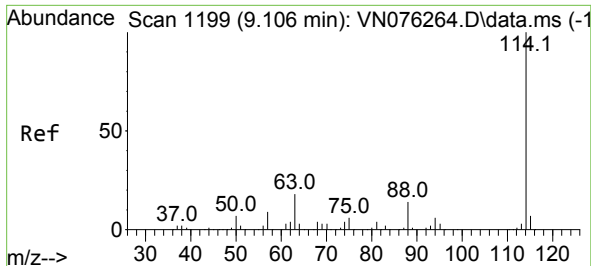
Tgt Ion: 56 Resp: 10414
Ion Ratio Lower Upper
56 100
69 175.6 25.8 38.8#
84 160.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 53.471 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 65 Resp: 322816
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.6

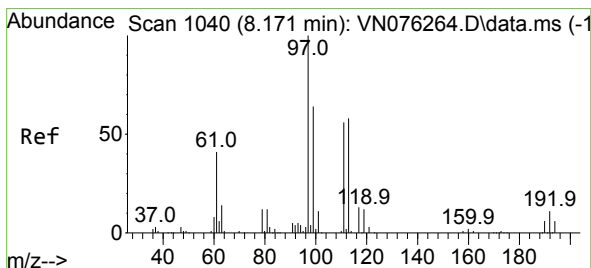
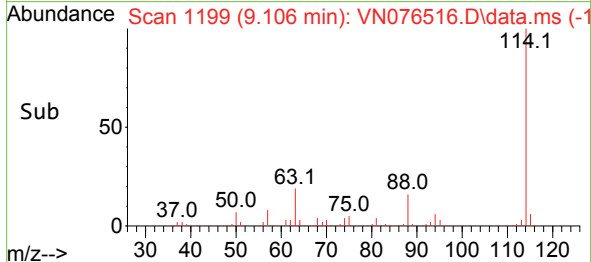
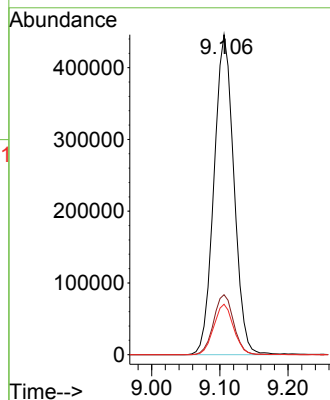
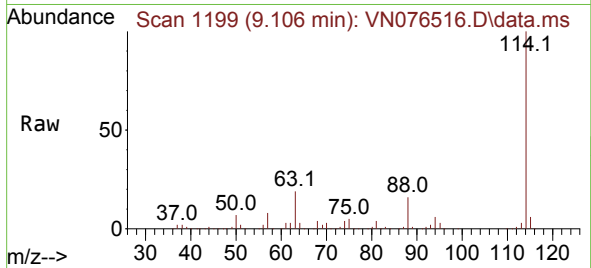




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

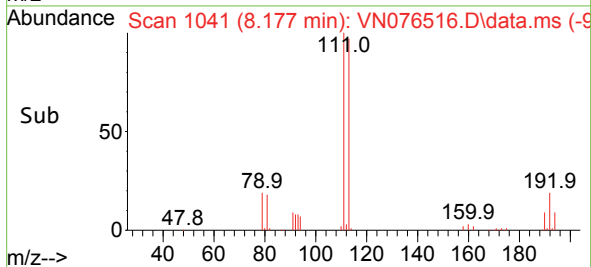
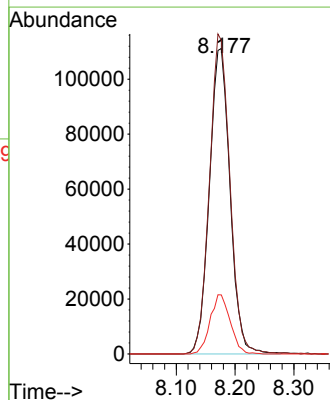
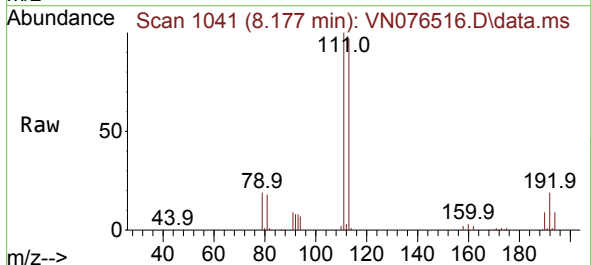
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

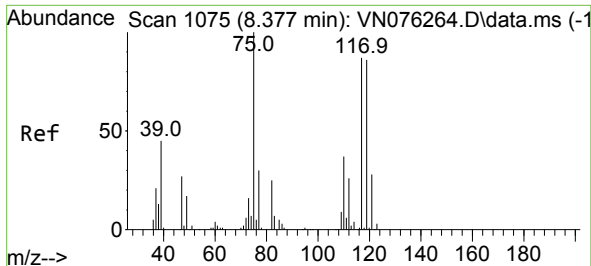
Tgt Ion:114 Resp: 906829
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.8
88 15.8 0.0 28.0



#35
Dibromofluoromethane
Concen: 47.789 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

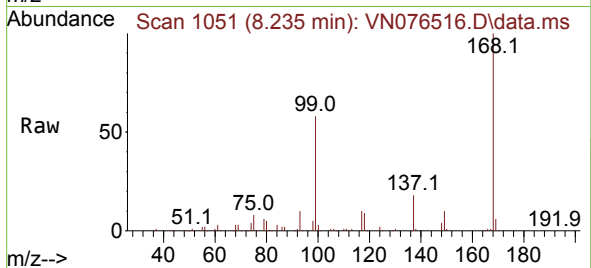
Tgt Ion:113 Resp: 271090
Ion Ratio Lower Upper
113 100
111 103.5 82.7 124.1
192 18.9 15.6 23.4



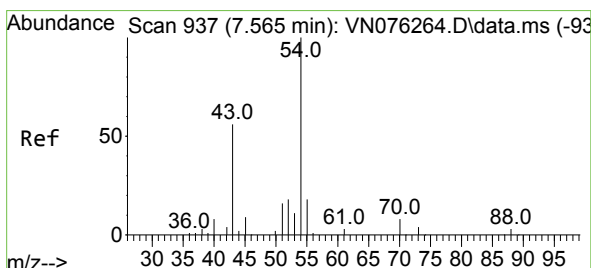
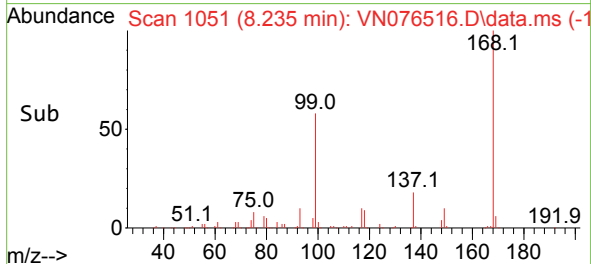
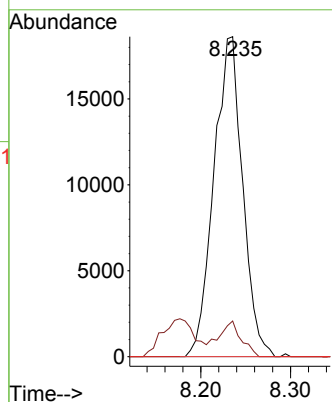


#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 8.235 min Scan# 1075
Delta R.T. -0.142 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

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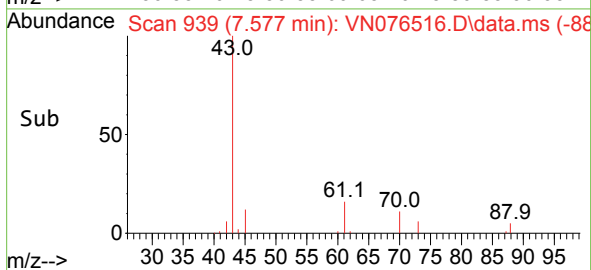
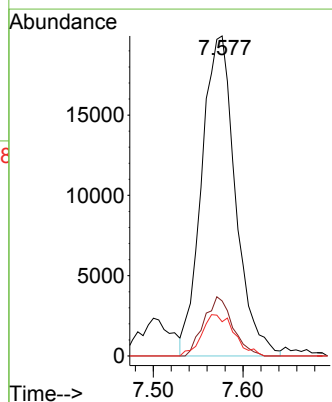
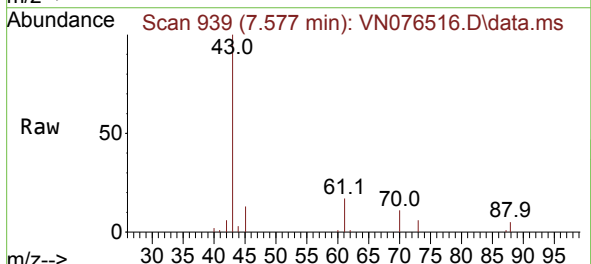


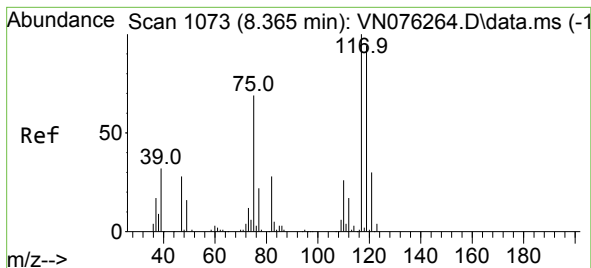
Tgt Ion: 75 Resp: 41349
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.091 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 43 Resp: 52114
Ion Ratio Lower Upper
43 100
61 15.7 11.1 16.7
70 12.3 10.0 15.0





#38

Carbon Tetrachloride

Concen: 6.373 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN076516.D

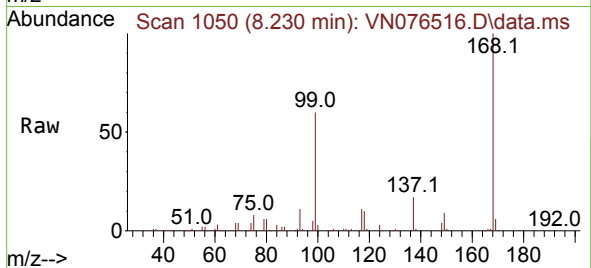
Acq: 02 Feb 2023 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#2



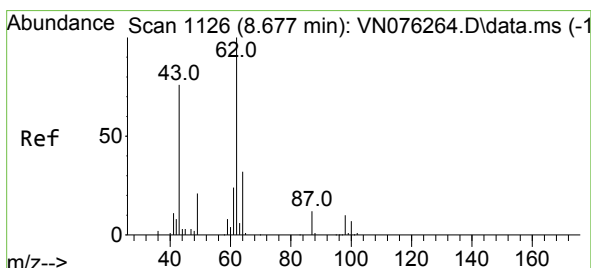
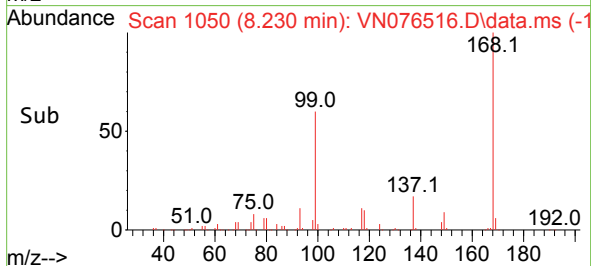
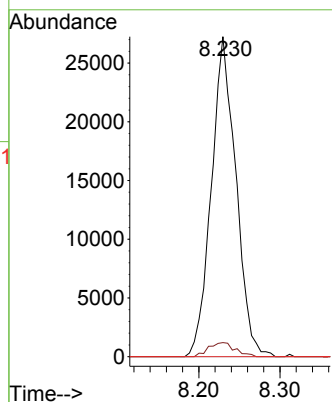
Tgt Ion:117 Resp: 57282

Ion Ratio Lower Upper

117 100

119 4.4 75.4 113.0#

121 0.0 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 0.274 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VN076516.D

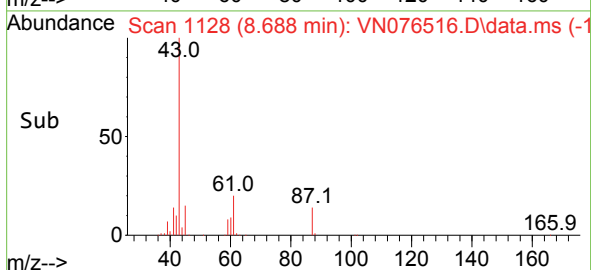
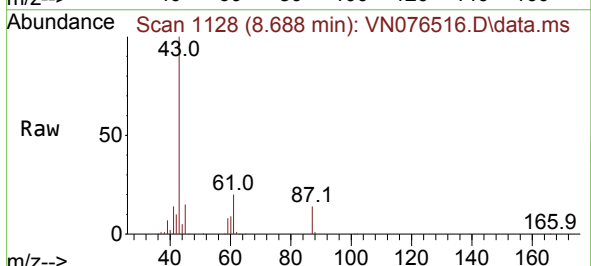
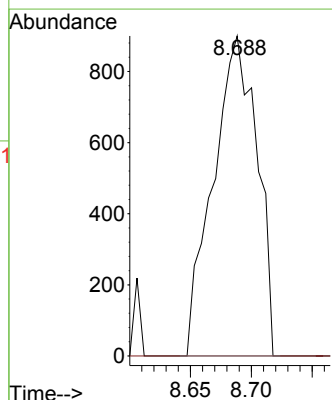
Acq: 02 Feb 2023 17:39

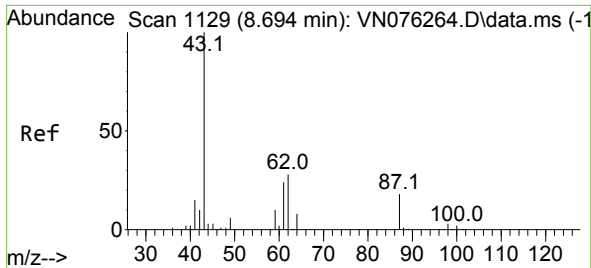
Tgt Ion: 62 Resp: 2257

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

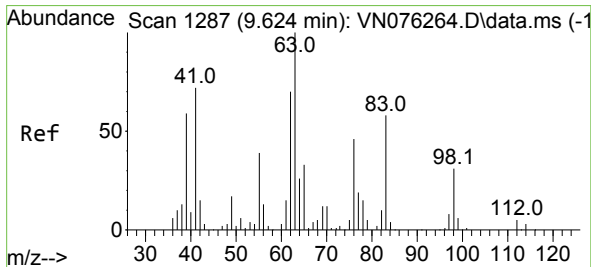
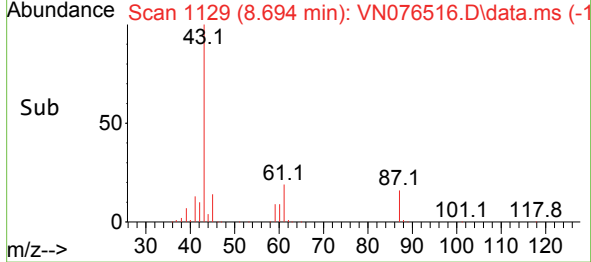
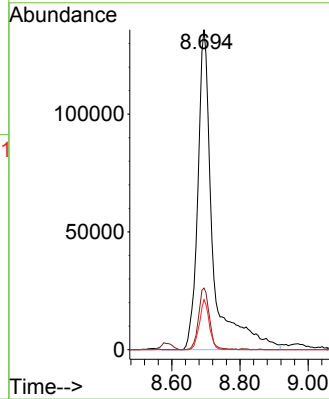
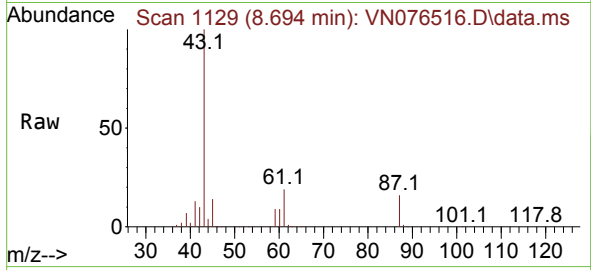




#43
Isopropyl Acetate
Concen: 39.699 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

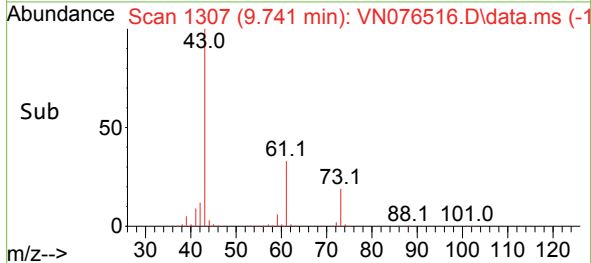
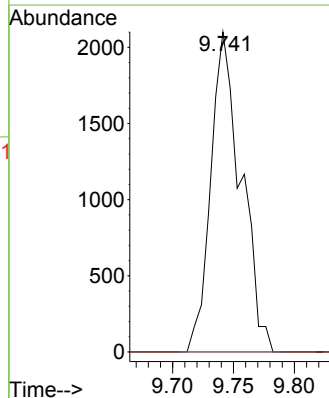
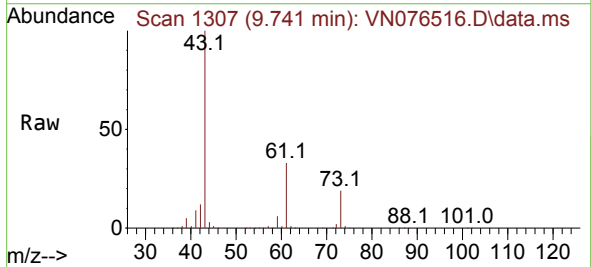
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

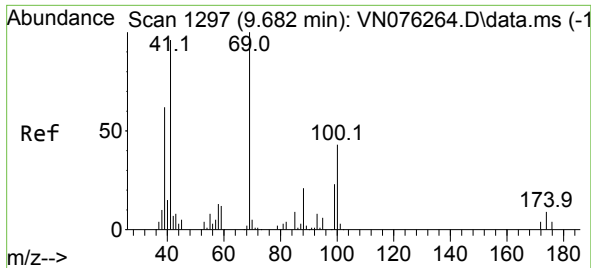
Tgt Ion: 43 Resp: 417546
Ion Ratio Lower Upper
43 100
61 13.8 23.5 35.3#
87 10.1 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.630 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 63 Resp: 3638
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

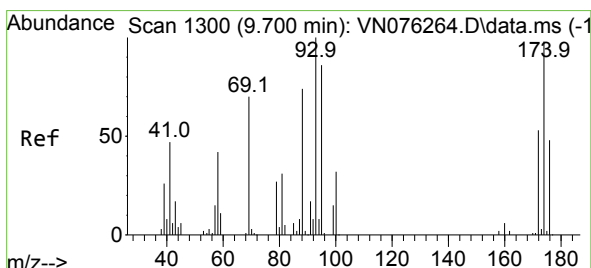
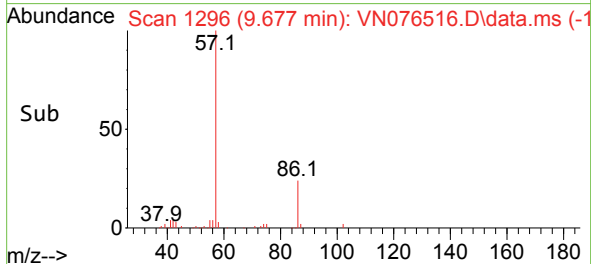
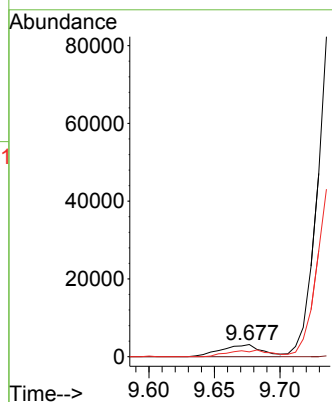
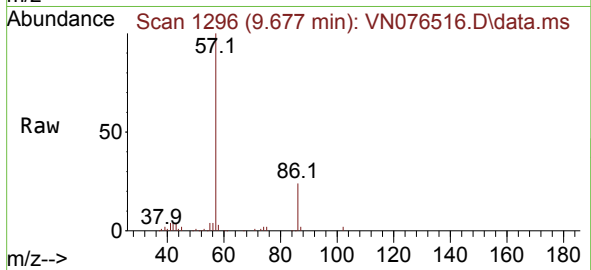




#48
Methyl methacrylate
Concen: 1.337 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

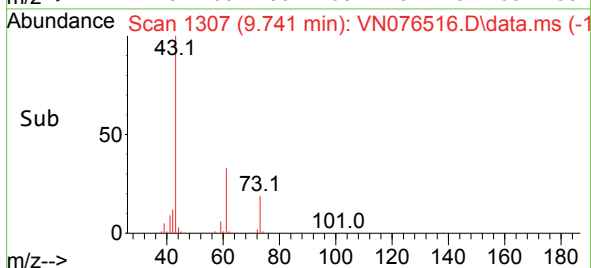
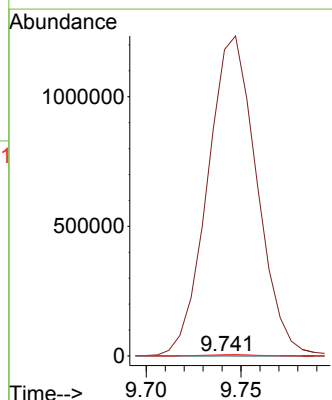
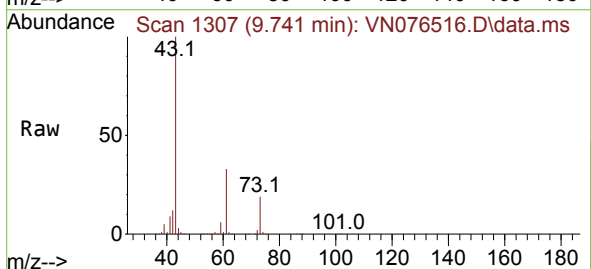
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

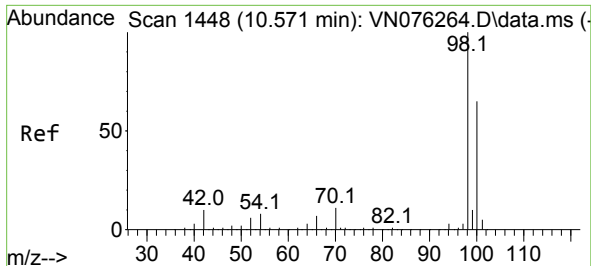
Tgt Ion: 41 Resp: 6659
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 54.1 54.4 81.6#



#49
1,4-Dioxane
Concen: 4.273 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 88 Resp: 449
Ion Ratio Lower Upper
88 100
43 500662.6 18.1 27.1#
58 2364.8 46.5 69.7#

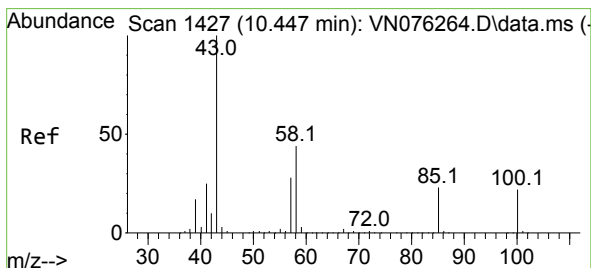
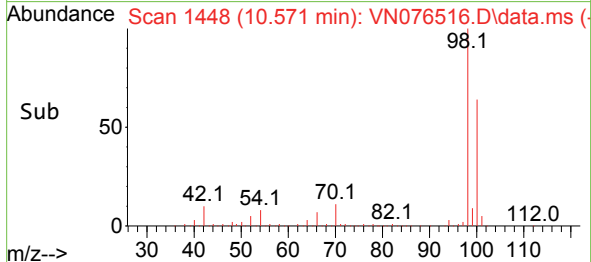
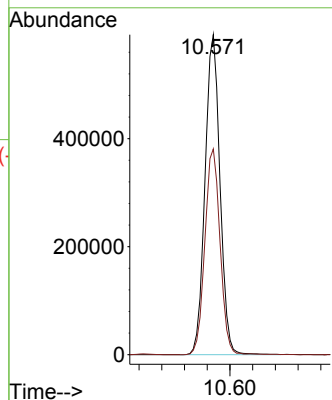
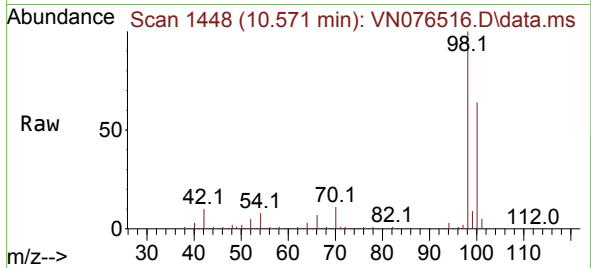




#50
Toluene-d8
Concen: 51.520 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

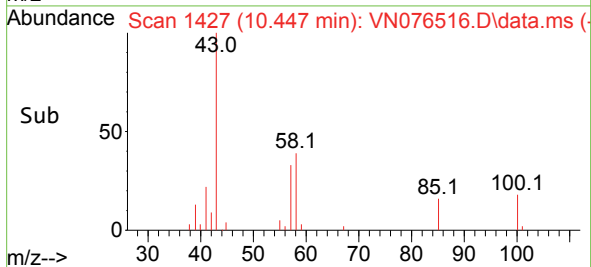
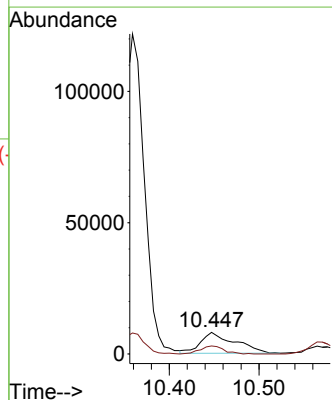
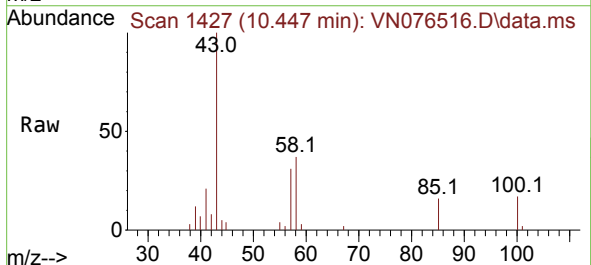
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

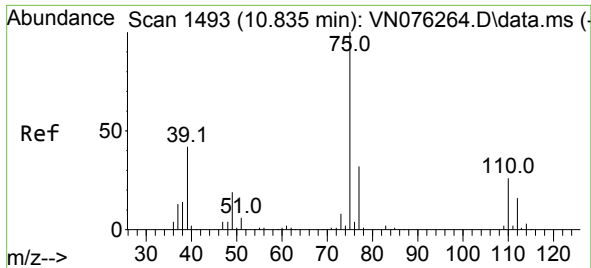
Tgt Ion: 98 Resp: 1079323
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.416 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 43 Resp: 21091
Ion Ratio Lower Upper
43 100
58 26.6 35.1 52.7#

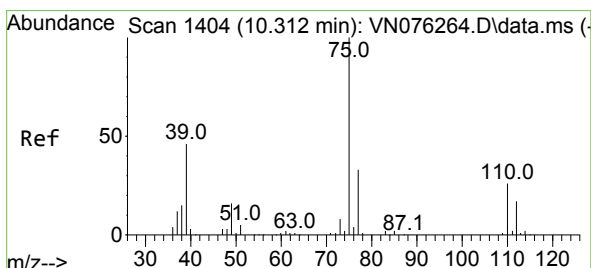
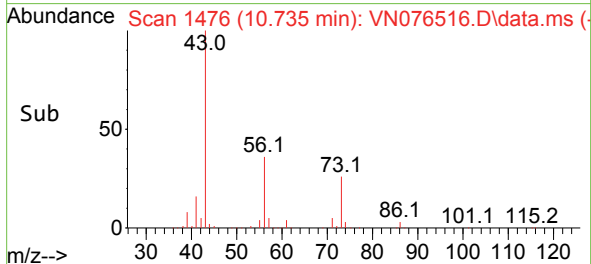
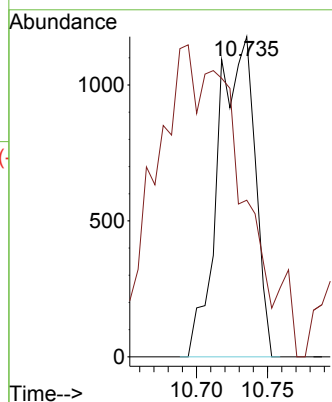
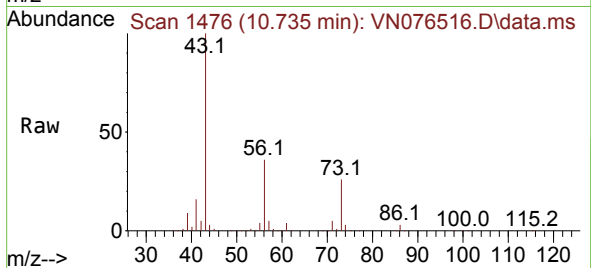




#53
 t-1,3-Dichloropropene
 Concen: 0.263 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.100 min
 Lab File: VN076516.D
 Acq: 02 Feb 2023 17:39

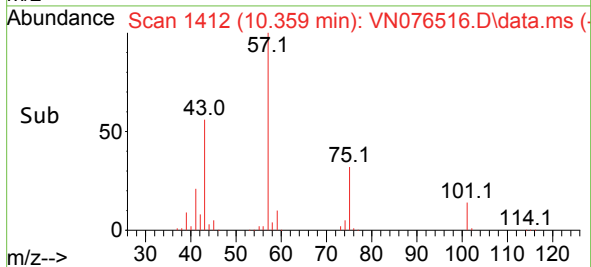
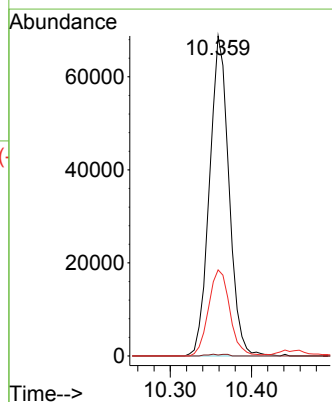
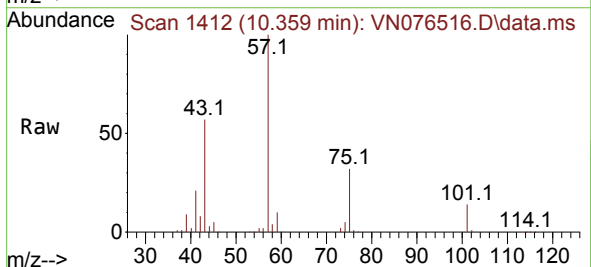
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#2

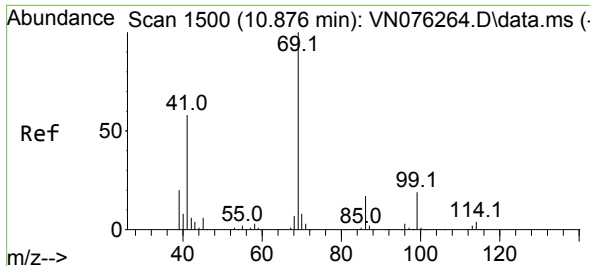
Tgt Ion: 75 Resp: 2118
 Ion Ratio Lower Upper
 75 100
 77 27.3 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 12.356 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076516.D
 Acq: 02 Feb 2023 17:39

Tgt Ion: 75 Resp: 114511
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.5 39.7#
 39 26.9 37.1 55.7#

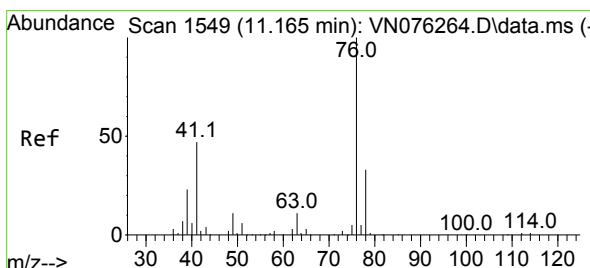
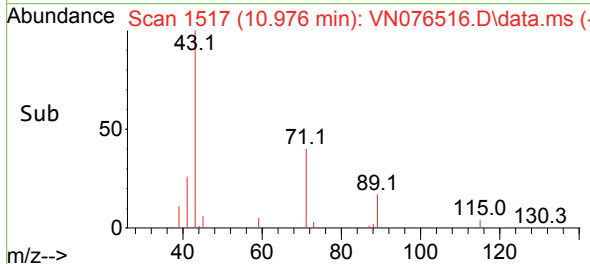
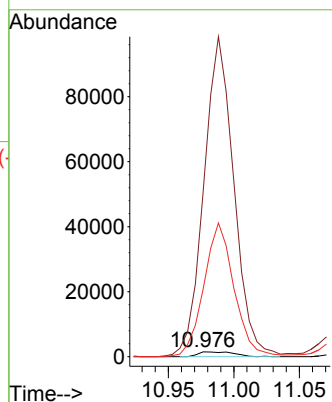
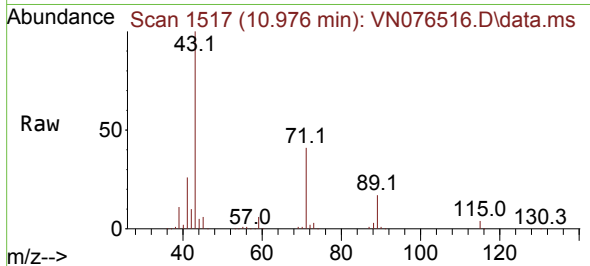




#56
Ethyl methacrylate
Concen: 0.356 ug/l
RT: 10.976 min Scan# 1517
Delta R.T. 0.100 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

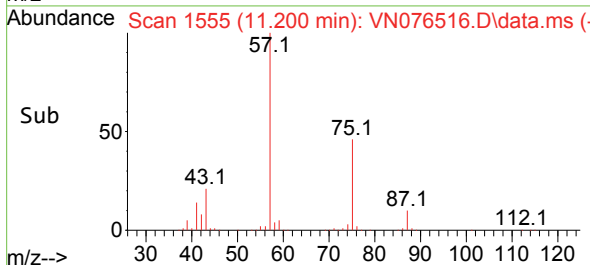
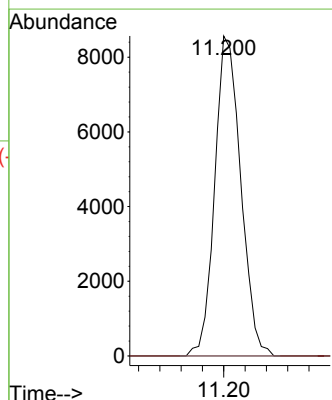
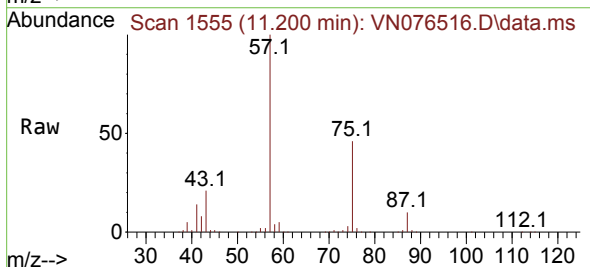
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

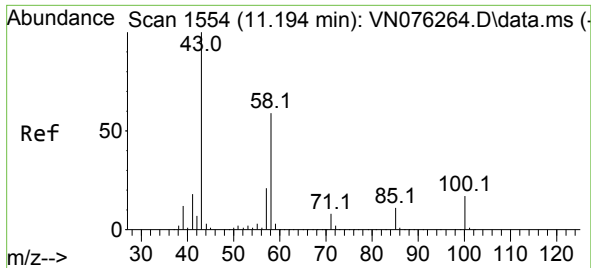
Tgt Ion: 69 Resp: 2830
Ion Ratio Lower Upper
69 100
41 5570.7 45.3 67.9#
39 2333.4 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.448 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 76 Resp: 14499
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

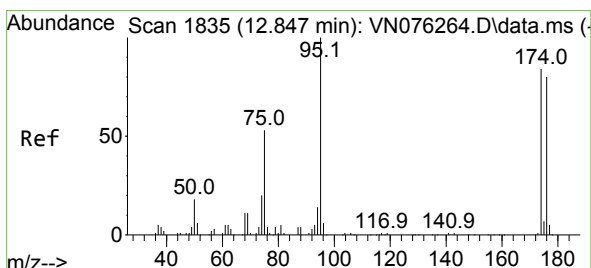
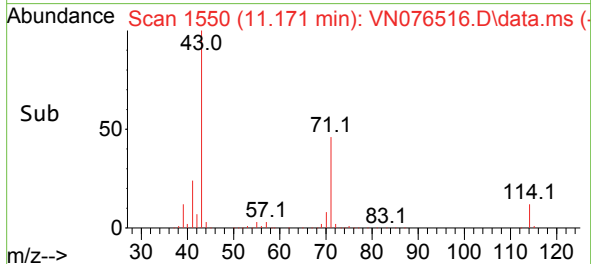
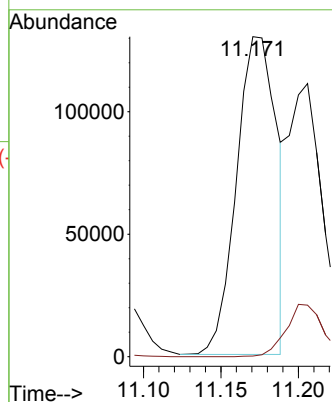
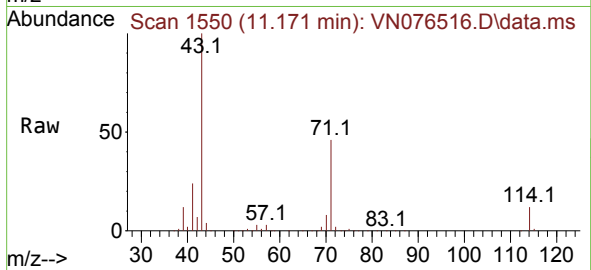




#59
2-Hexanone
Concen: 52.230 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

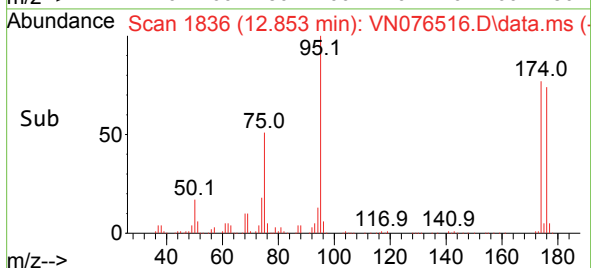
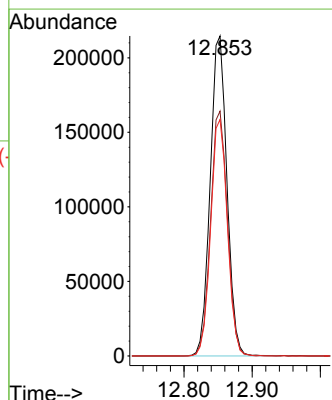
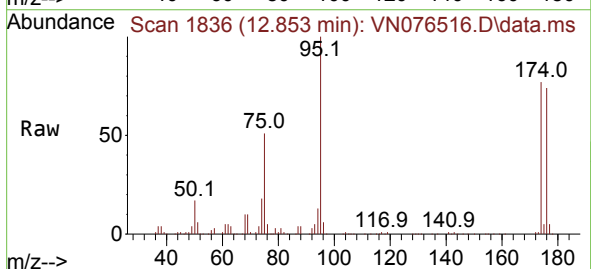
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

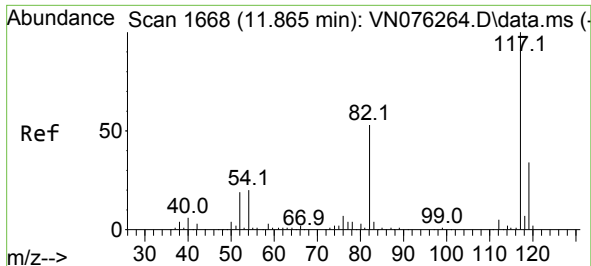
Tgt Ion: 43 Resp: 233691
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 53.668 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 95 Resp: 367040
Ion Ratio Lower Upper
95 100
174 77.4 0.0 174.6
176 73.6 0.0 167.8

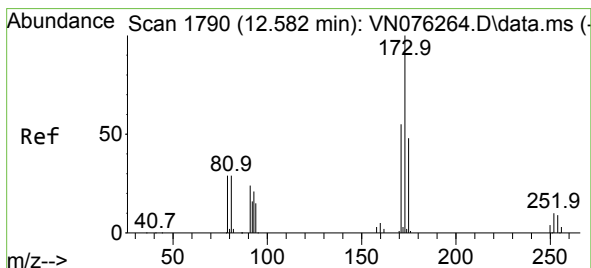
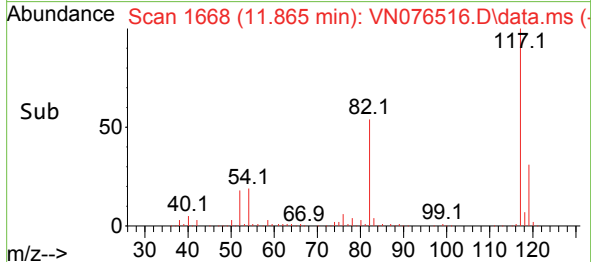
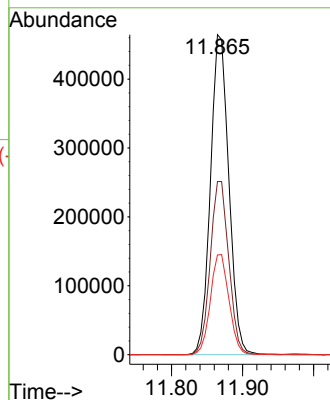
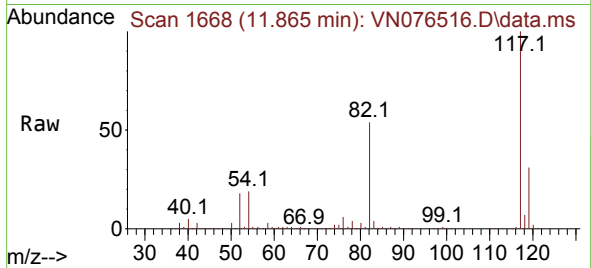




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

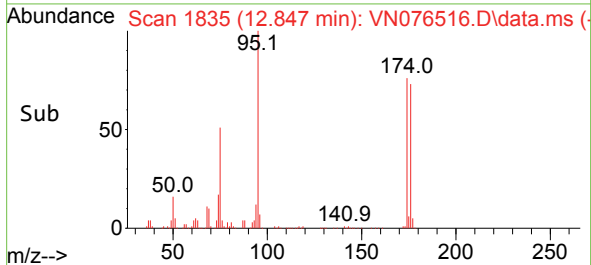
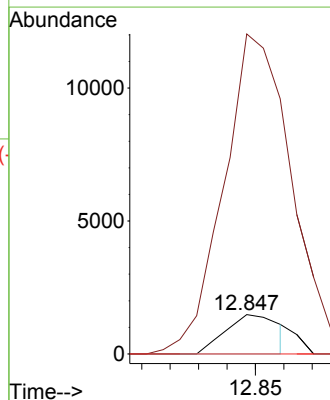
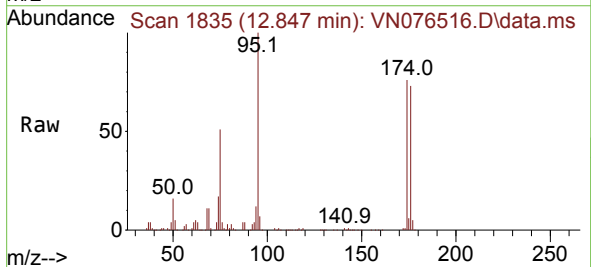
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

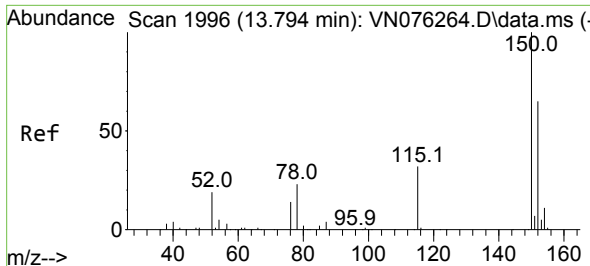
Tgt Ion:117 Resp: 835367
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.2
119 31.1 26.9 40.3



#71
Bromoform
Concen: 0.407 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion:173 Resp: 1932
Ion Ratio Lower Upper
173 100
175 863.0 24.1 72.4#
254 0.0 0.0 0.0

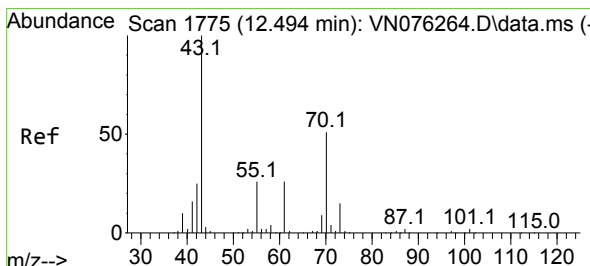
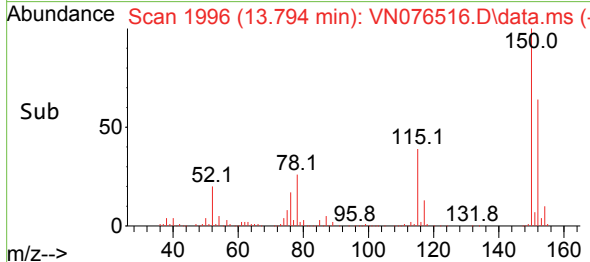
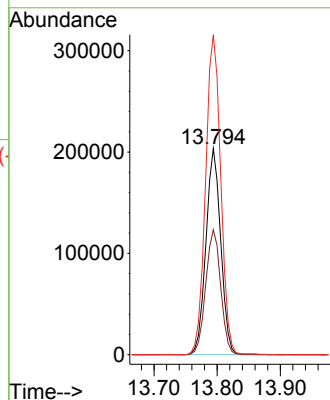
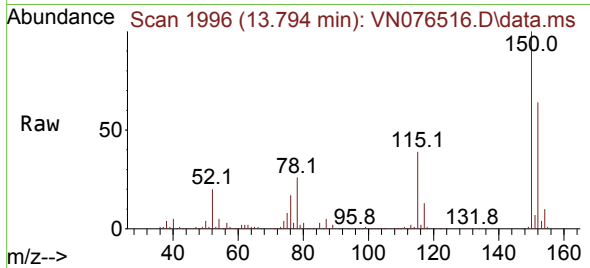




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

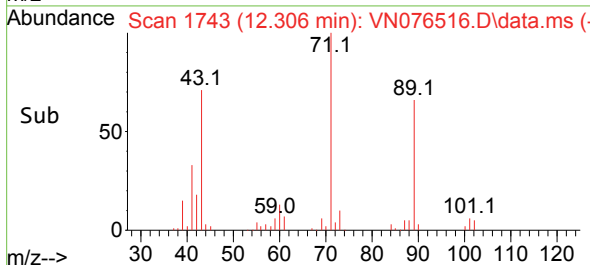
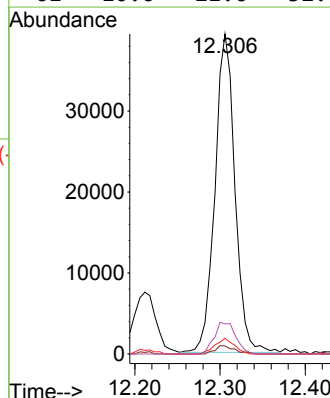
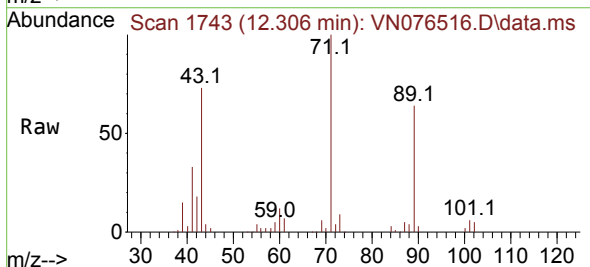
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

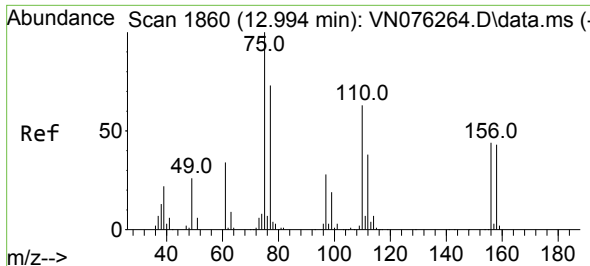
Tgt Ion:152 Resp: 330998
Ion Ratio Lower Upper
152 100
115 61.4 29.6 88.9
150 158.8 0.0 351.4



#74
N-ethyl acetate
Concen: 8.692 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 43 Resp: 64020
Ion Ratio Lower Upper
43 100
70 2.6 41.2 61.8#
55 4.7 21.0 31.6#
61 10.6 21.6 32.4#

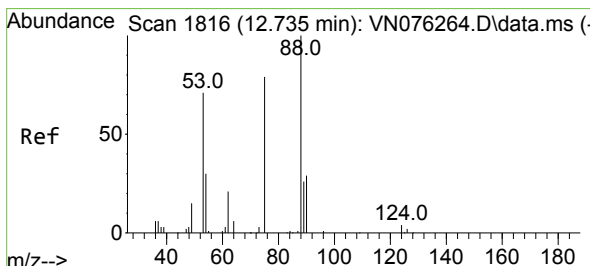
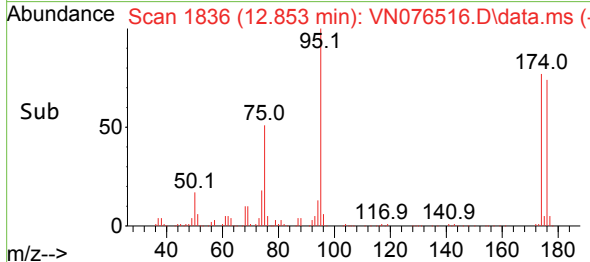
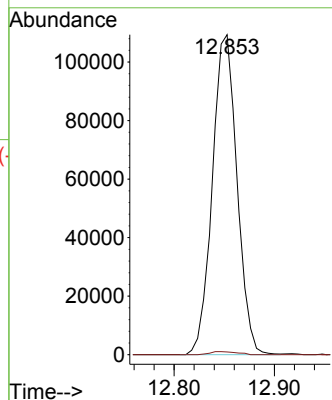
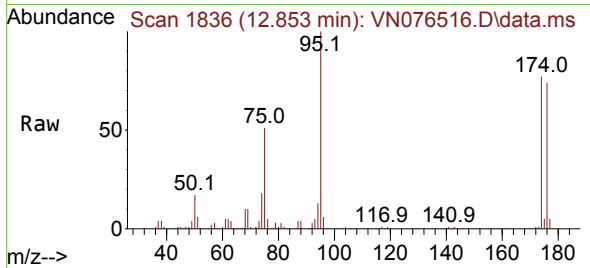




#76
1,2,3-Trichloropropane
Concen: 30.650 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

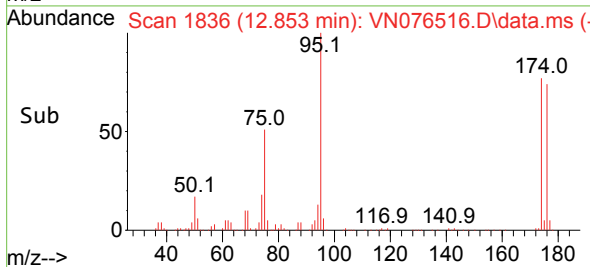
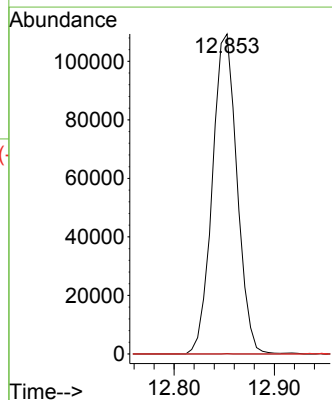
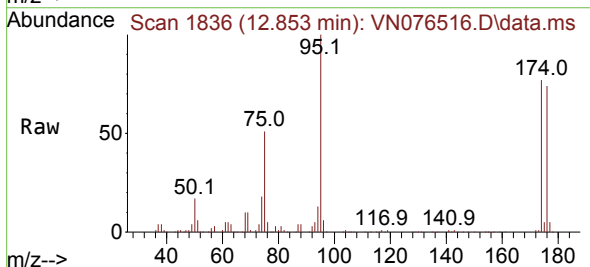
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#2

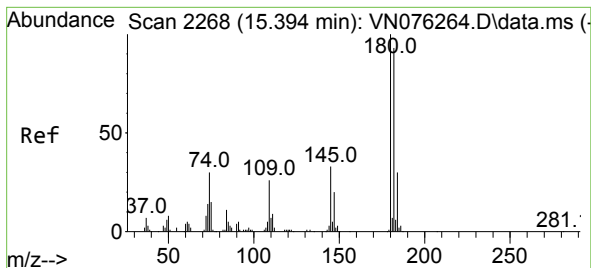
Tgt Ion: 75 Resp: 187032
Ion Ratio Lower Upper
75 100
77 1.0 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.015 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076516.D
Acq: 02 Feb 2023 17:39

Tgt Ion: 75 Resp: 187032
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.343 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076516.D

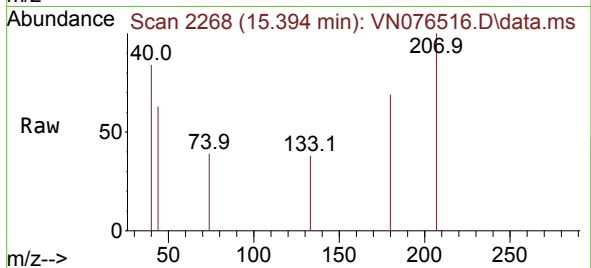
Acq: 02 Feb 2023 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#2



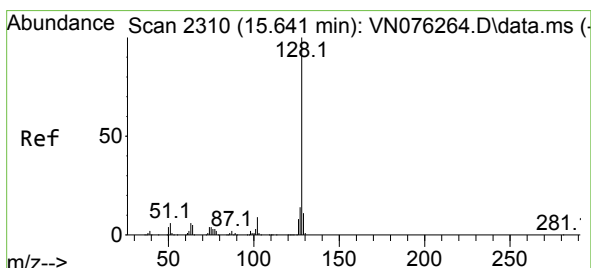
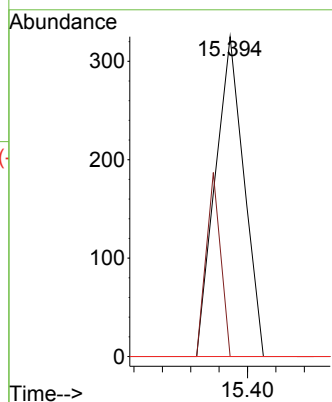
Tgt Ion:180 Resp: 228

Ion Ratio Lower Upper

180 100

182 28.9 47.0 141.2#

145 0.0 15.2 45.5#



#95

Naphthalene

Concen: 1.915 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076516.D

Acq: 02 Feb 2023 17:39

Tgt Ion:128 Resp: 1354

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

