

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013123\
 Data File : VN076485.D
 Acq On : 31 Jan 2023 17:36
 Operator : JC\MD
 Sample : 01383-06 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31970

Quant Time: Feb 01 00:50:36 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)

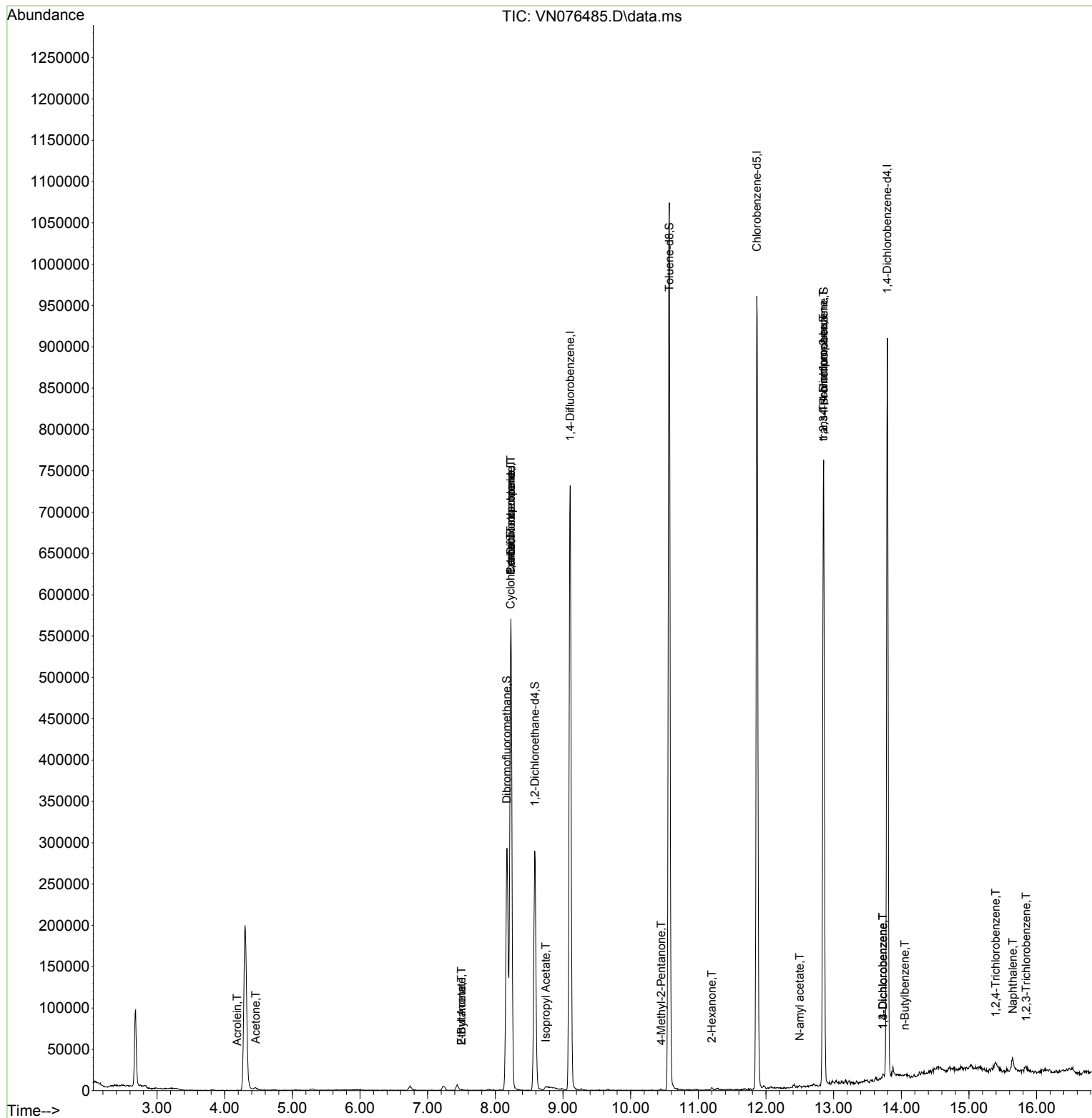
Internal Standards						
1) Pentafluorobenzene	8.229	168	423471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	672269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	590897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	238756	50.354	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.700%	
35) Dibromofluoromethane	8.171	113	206591	49.126	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.260%	
50) Toluene-d8	10.570	98	780171	50.234	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.853	95	260154	51.312	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.620%	
Target Compounds						
					Qvalue	
13) Acrolein	4.183	56	167	0.220	ug/l #	15
16) Acetone	4.459	43	5294	3.410	ug/l #	85
20) Methylene Chloride	5.294	84	2013	Below Cal	#	65
25) 2-Butanone	7.500	43	1177	0.507	ug/l #	40
31) Cyclohexane	8.224	56	8807	1.209	ug/l #	11
36) 1,1-Dichloropropene	8.229	75	32967	5.517	ug/l #	49
37) Ethyl Acetate	7.500	43	1177	0.282	ug/l #	74
38) Carbon Tetrachloride	8.229	117	44027	6.607	ug/l #	16
43) Isopropyl Acetate	8.747	43	3056	0.392	ug/l #	51
51) 4-Methyl-2-Pentanone	10.453	43	1398	0.305	ug/l #	73
59) 2-Hexanone	11.200	43	2365	0.713	ug/l	81
74) N-amyl acetate	12.500	43	1875	0.343	ug/l #	68
76) 1,2,3-Trichloropropane	12.847	75	137075	30.239	ug/l #	1
77) Bromobenzene	12.982	156	750	Below Cal		86
81) trans-1,4-Dichloro-2-b...	12.847	75	137075	92.793	ug/l #	12
87) 1,3-Dichlorobenzene	13.729	146	1807	0.202	ug/l	96
88) 1,4-Dichlorobenzene	13.729	146	1807	0.313	ug/l	96
89) n-Butylbenzene	14.053	91	3232	0.252	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	2150	1.791	ug/l #	86
95) Naphthalene	15.647	128	11016	2.670	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	2110	1.655	ug/l #	84

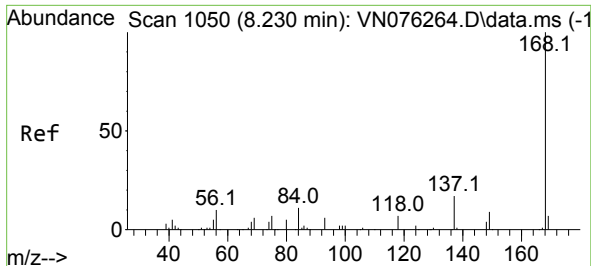
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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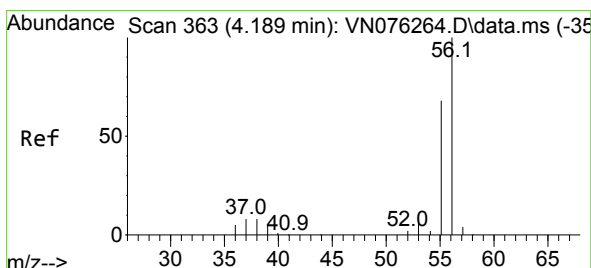
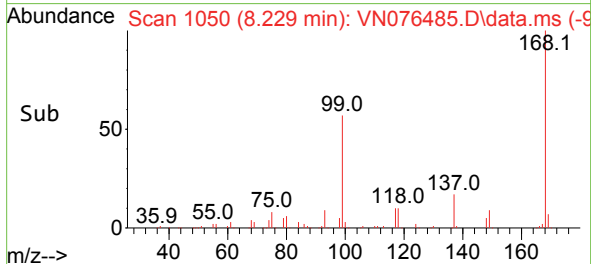
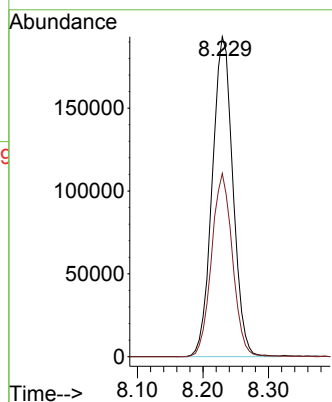
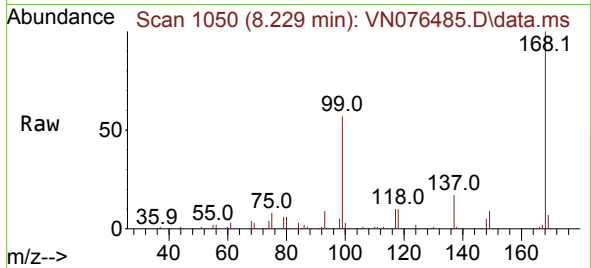




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

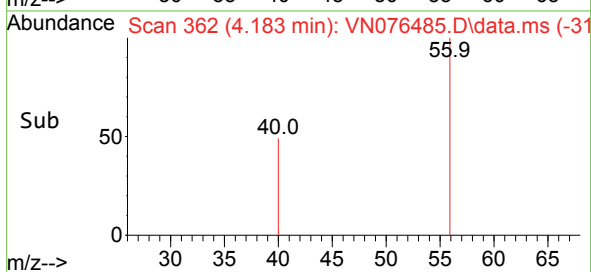
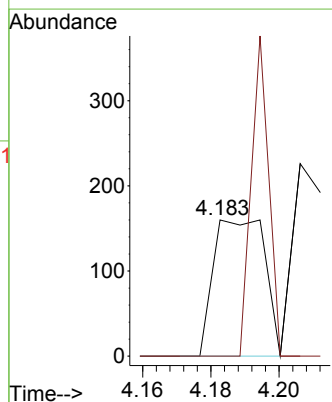
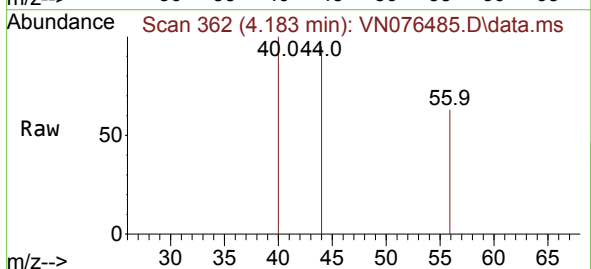
Instrument :
MSVOA_N
ClientSampleId :
31970

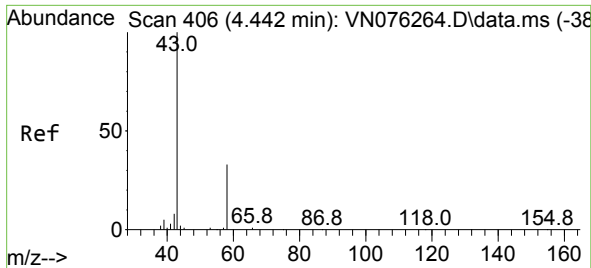
Tgt Ion:168 Resp: 423471
Ion Ratio Lower Upper
168 100
99 57.3 41.6 62.4



#13
Acrolein
Concen: 0.220 ug/l
RT: 4.183 min Scan# 362
Delta R.T. -0.006 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#





#16

Acetone

Concen: 3.410 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.017 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

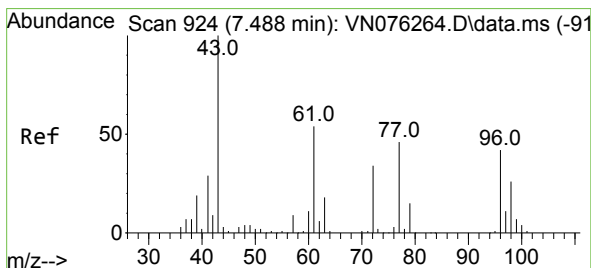
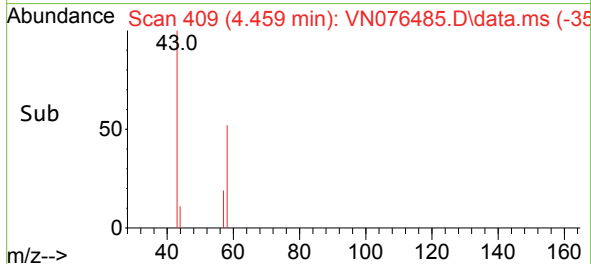
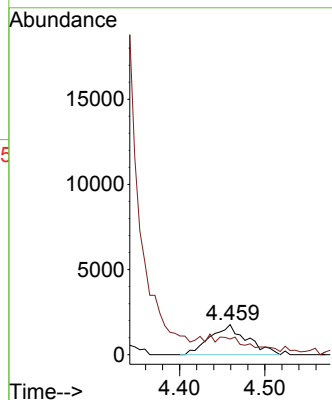
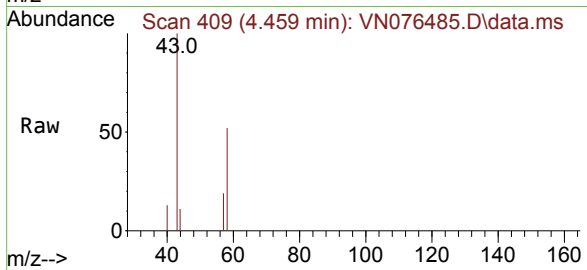
31970

Tgt Ion: 43 Resp: 5294

Ion Ratio Lower Upper

43 100

58 41.8 26.7 40.1#



#25

2-Butanone

Concen: 0.507 ug/l

RT: 7.500 min Scan# 926

Delta R.T. 0.012 min

Lab File: VN076485.D

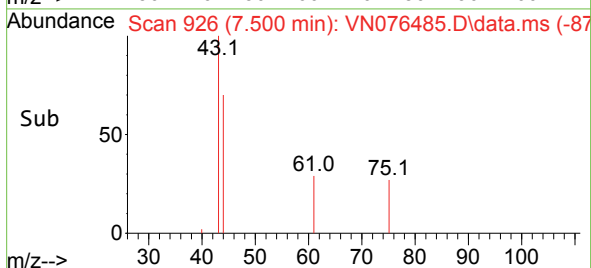
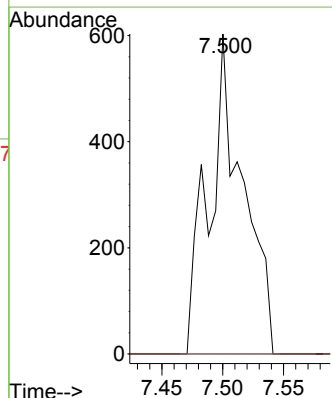
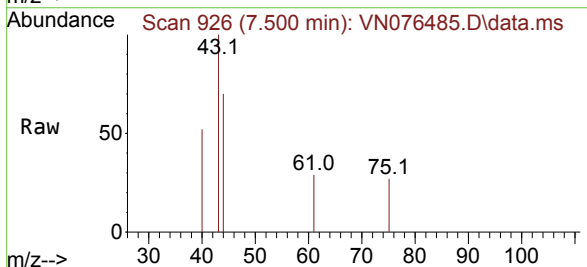
Acq: 31 Jan 2023 17:36

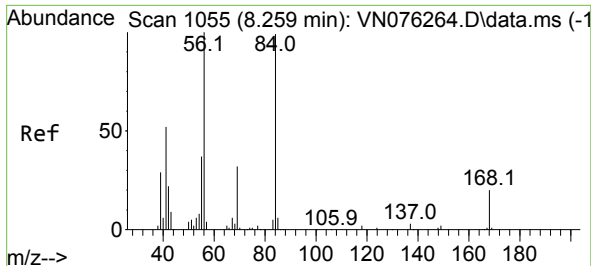
Tgt Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

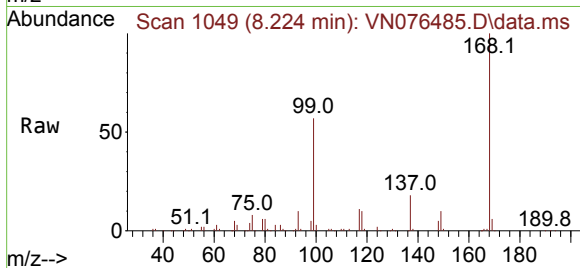
72 0.0 27.4 41.2#



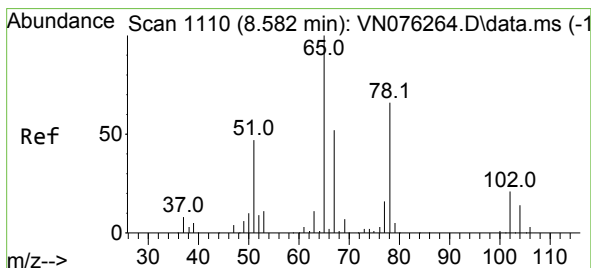
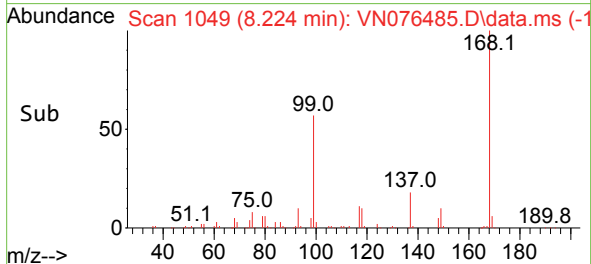
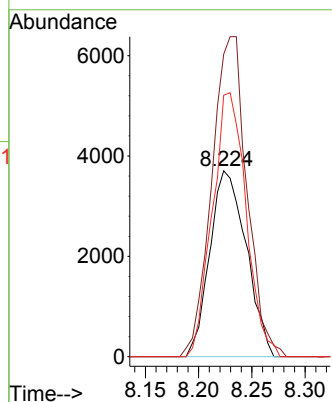


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :
31970

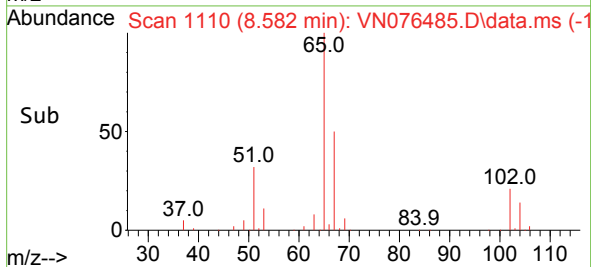
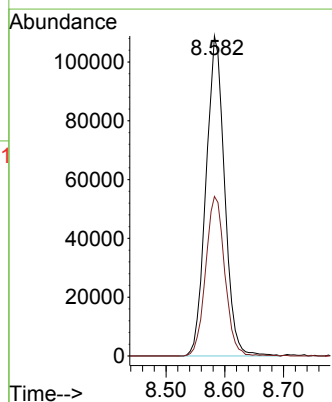
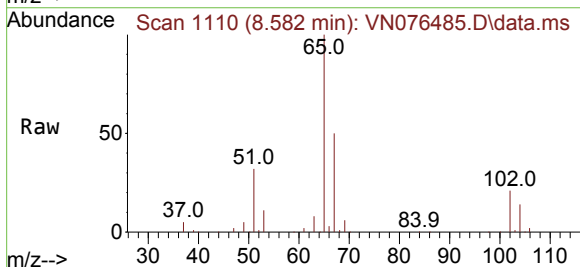


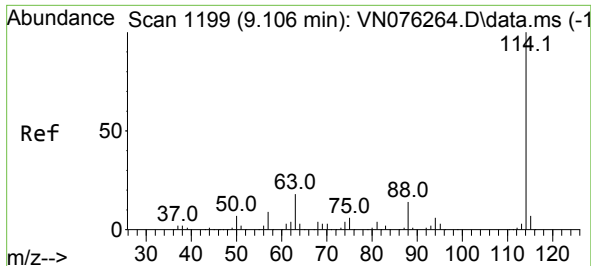
Tgt Ion: 56 Resp: 8807
Ion Ratio Lower Upper
56 100
69 162.7 25.8 38.8#
84 140.5 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 50.354 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Tgt Ion: 65 Resp: 238756
Ion Ratio Lower Upper
65 100
67 51.4 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: VN076485.D

Acq: 31 Jan 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

31970

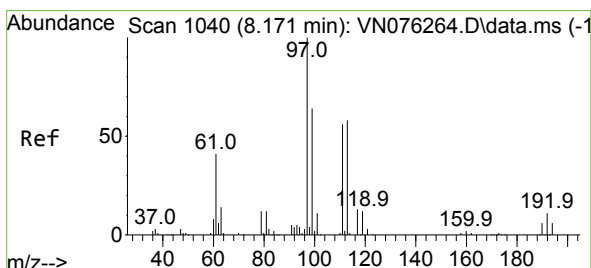
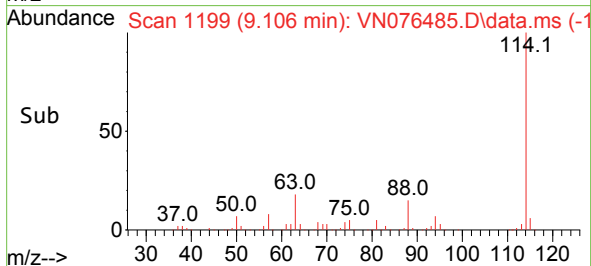
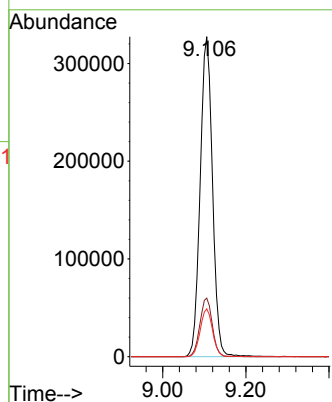
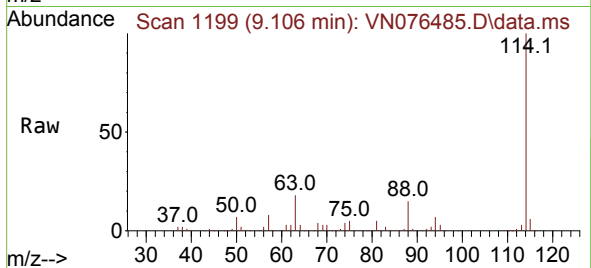
Tgt Ion:114 Resp: 672269

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.8

88 15.0 0.0 28.0



#35

Dibromofluoromethane

Concen: 49.126 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

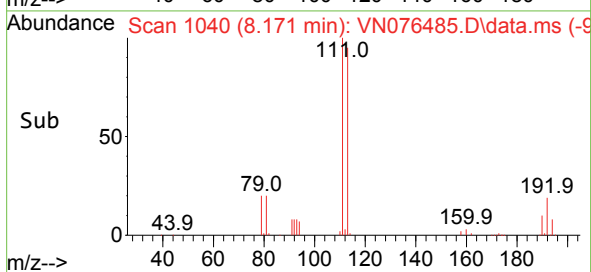
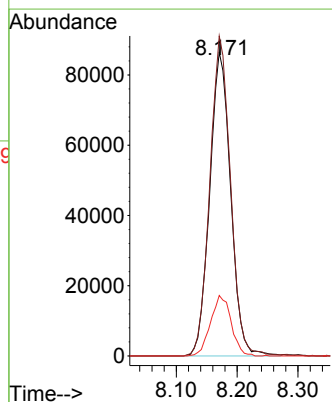
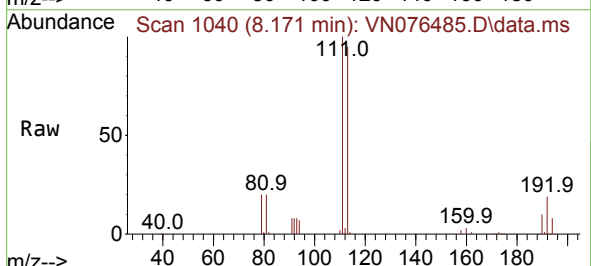
Tgt Ion:113 Resp: 206591

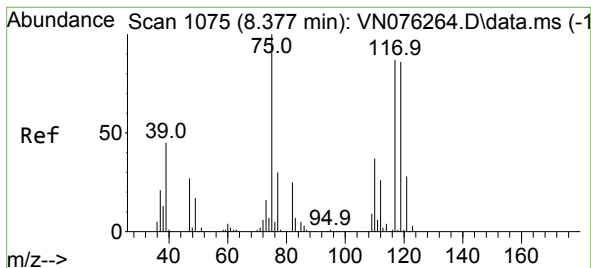
Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 19.6 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.517 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

31970

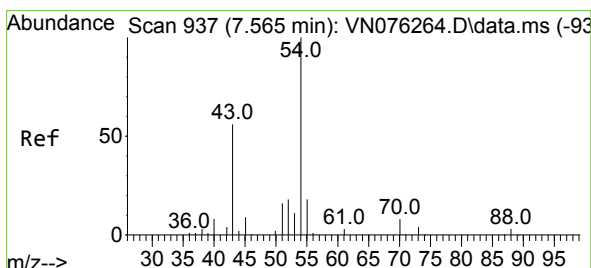
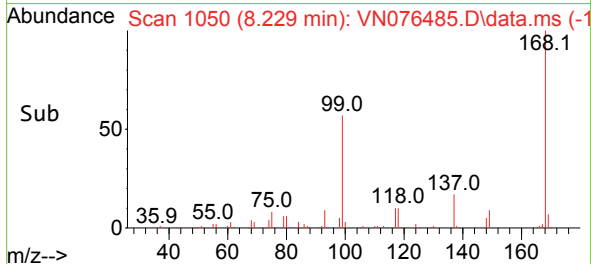
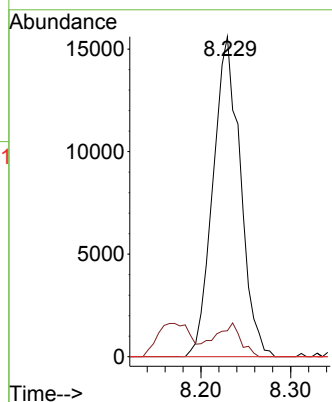
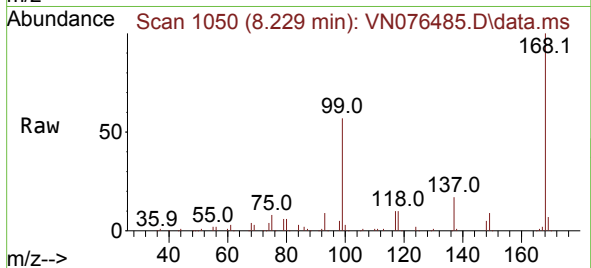
Tgt Ion: 75 Resp: 32967

Ion Ratio Lower Upper

75 100

110 9.8 18.8 56.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.282 ug/l

RT: 7.500 min Scan# 926

Delta R.T. -0.065 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

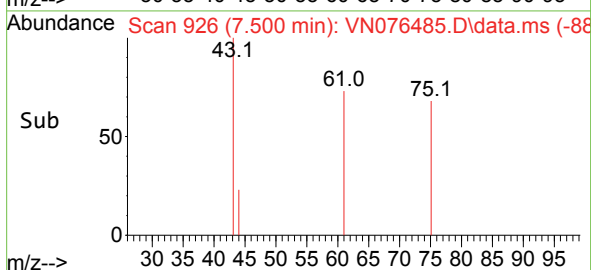
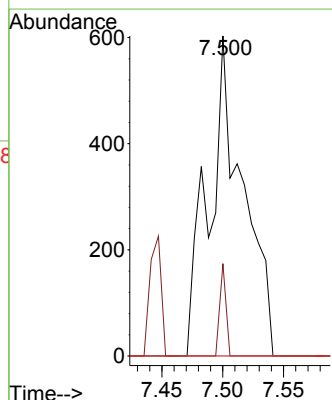
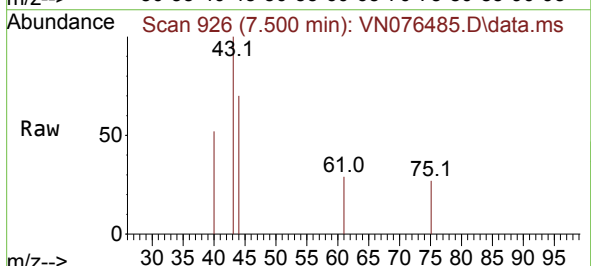
Tgt Ion: 43 Resp: 1177

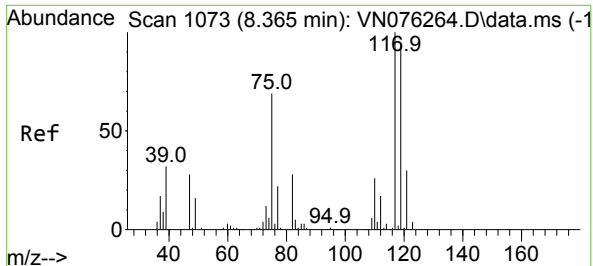
Ion Ratio Lower Upper

43 100

61 5.2 11.1 16.7#

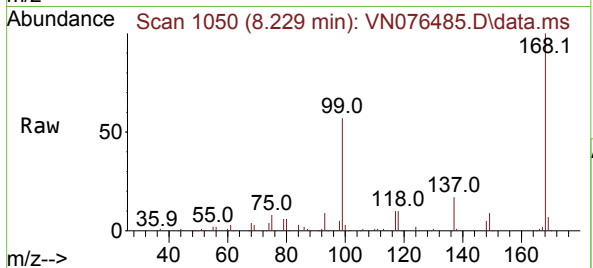
70 0.0 10.0 15.0#



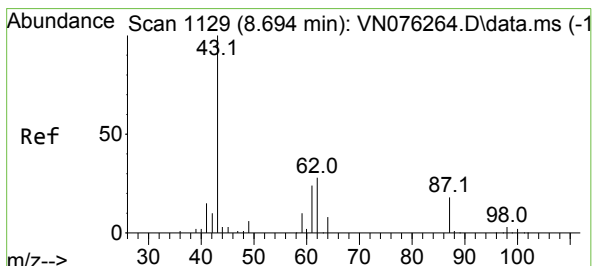
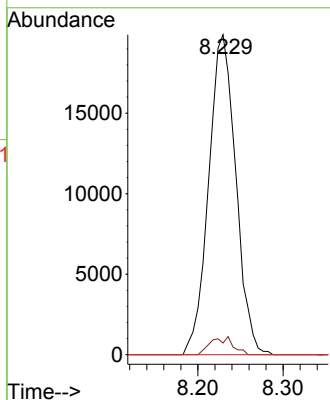
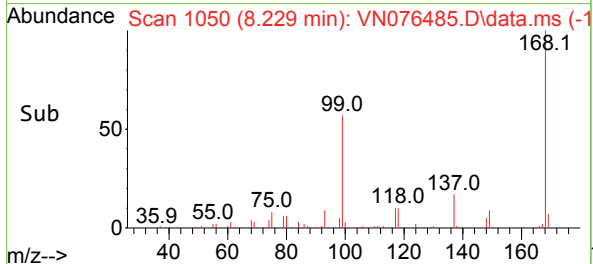


#38
Carbon Tetrachloride
Concen: 6.607 ug/l
RT: 8.229 min Scan# 117
Delta R.T. -0.136 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

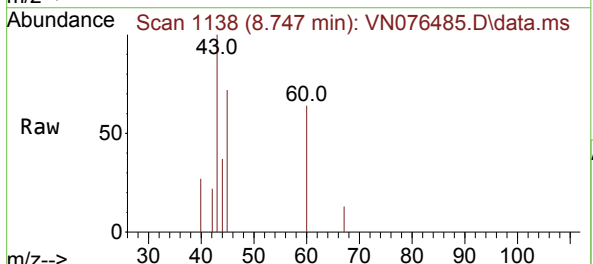
Instrument :
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ClientSampleId :
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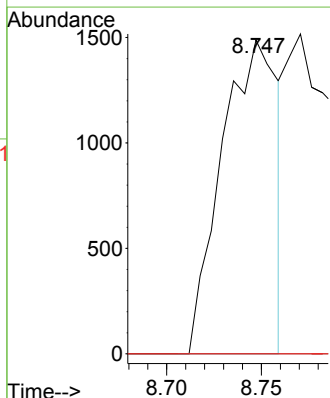
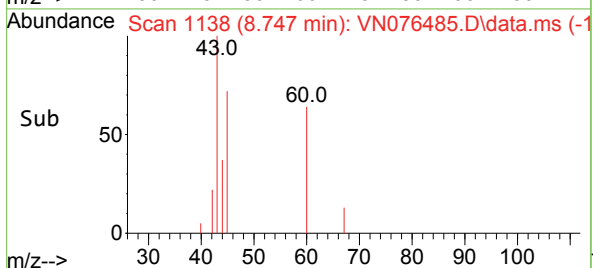
Tgt Ion:117 Resp: 44027
Ion Ratio Lower Upper
117 100
119 3.7 75.4 113.0#
121 0.0 24.2 36.2#

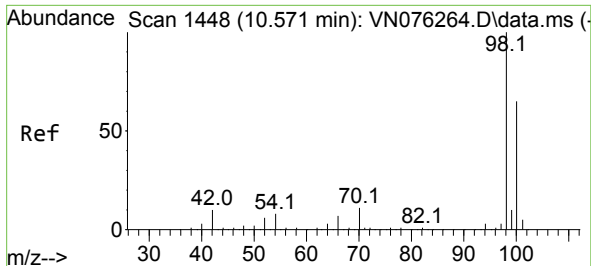


#43
Isopropyl Acetate
Concen: 0.392 ug/l
RT: 8.747 min Scan# 1138
Delta R.T. 0.053 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36



Tgt Ion: 43 Resp: 3056
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#

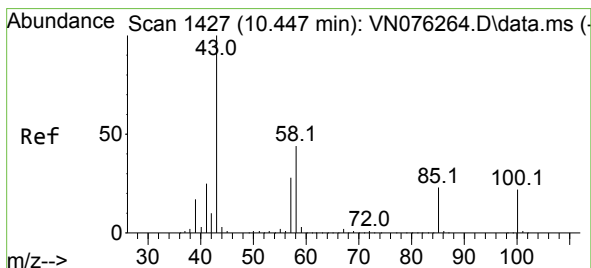
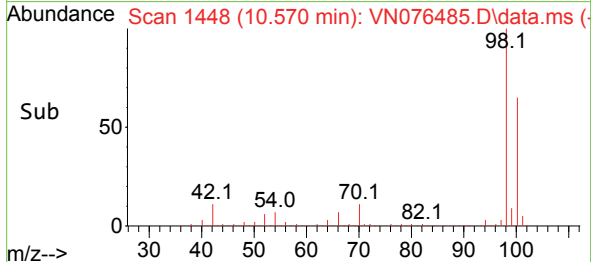
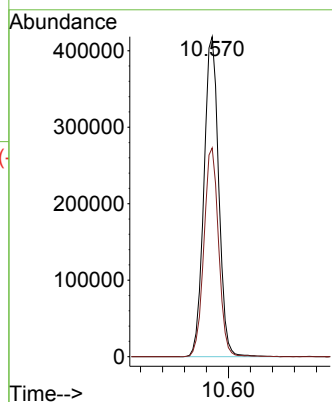
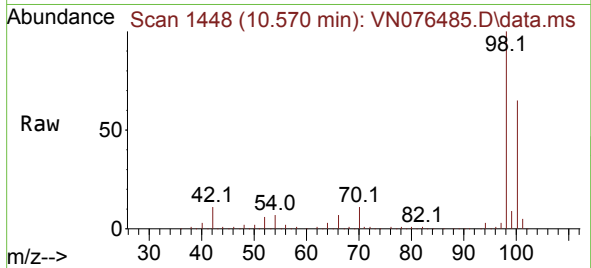




#50
Toluene-d8
Concen: 50.234 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

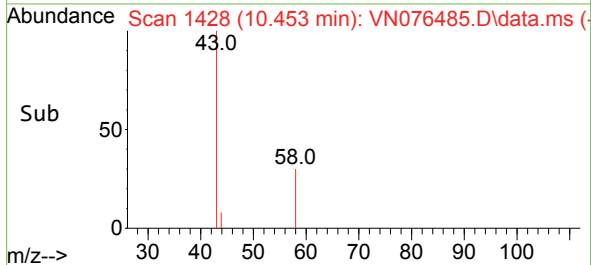
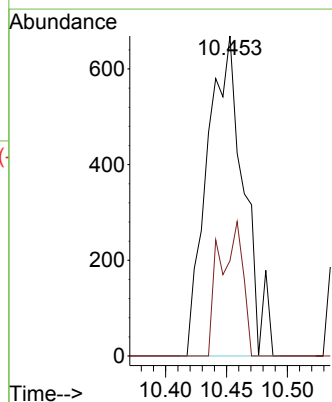
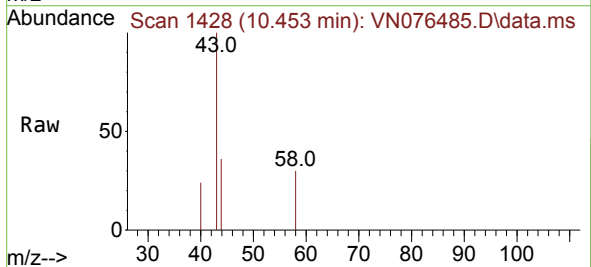
Instrument :
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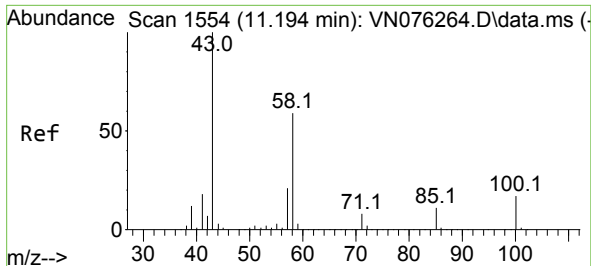
Tgt Ion: 98 Resp: 780171
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.305 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
58 26.6 35.1 52.7#

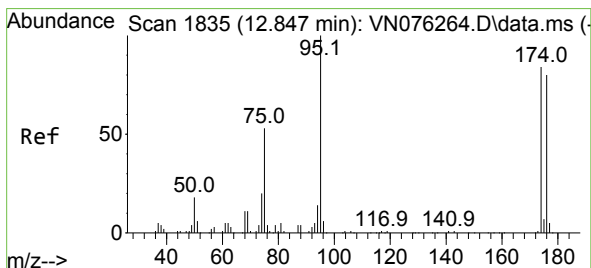
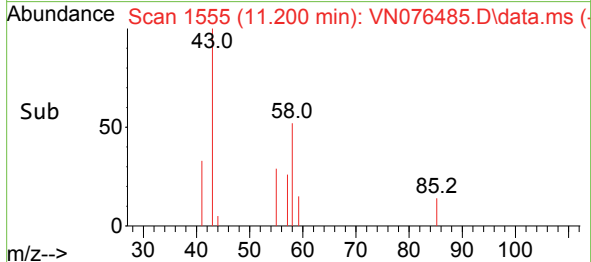
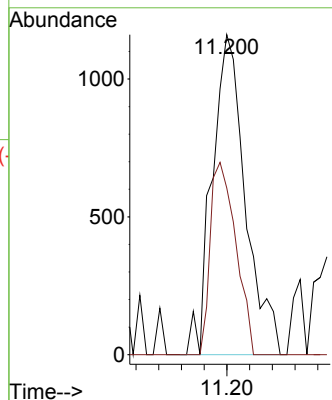
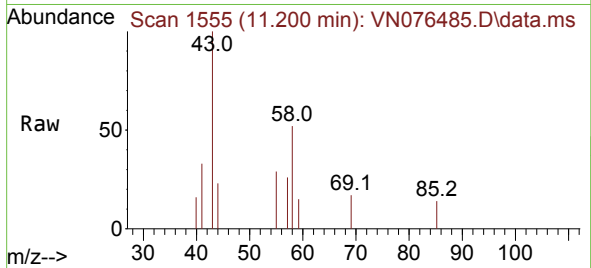




#59
2-Hexanone
Concen: 0.713 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

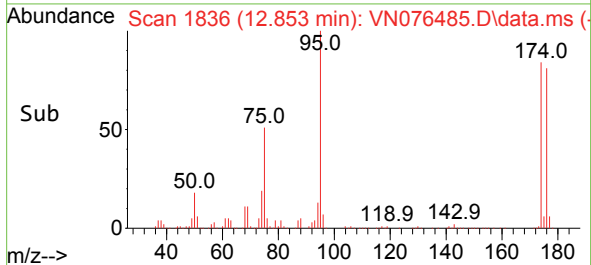
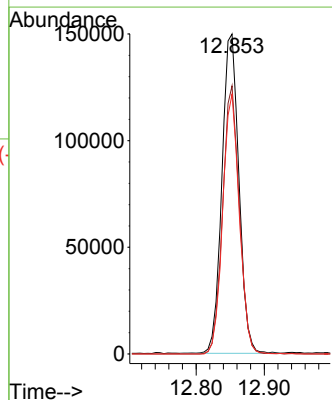
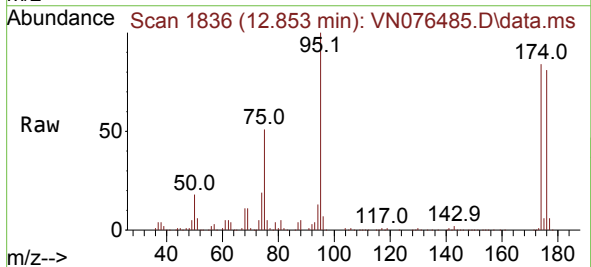
Instrument :
MSVOA_N
ClientSampleId :
31970

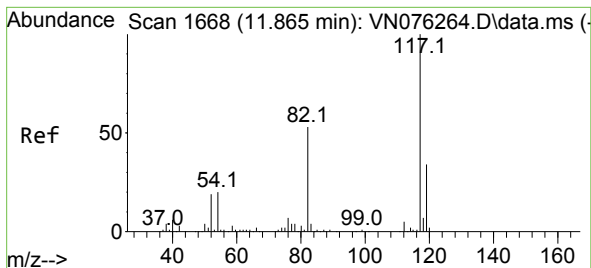
Tgt Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
58 46.0 30.1 90.3



#62
4-Bromofluorobenzene
Concen: 51.312 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Tgt Ion: 95 Resp: 260154
Ion Ratio Lower Upper
95 100
174 82.2 0.0 174.6
176 79.5 0.0 167.8

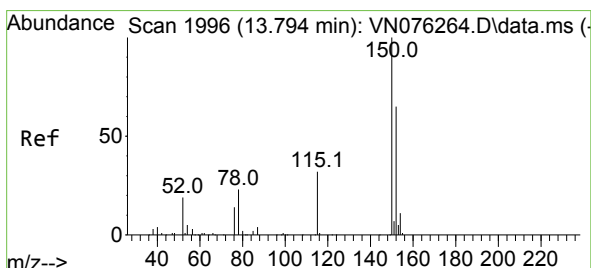
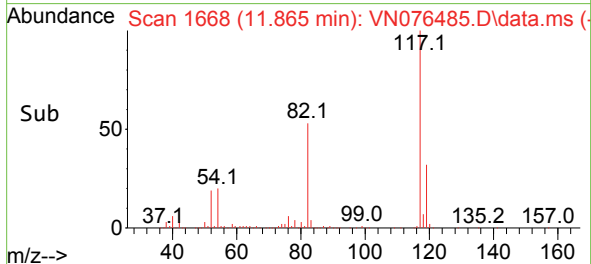
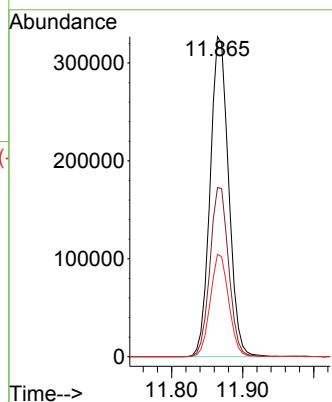
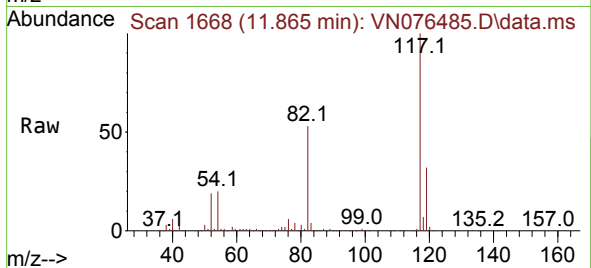




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

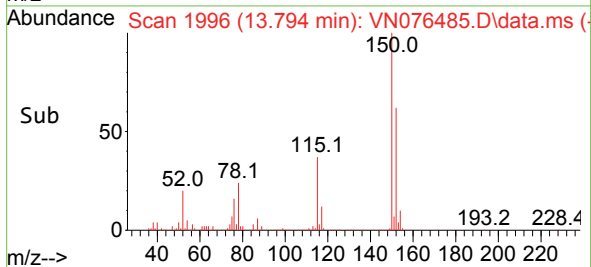
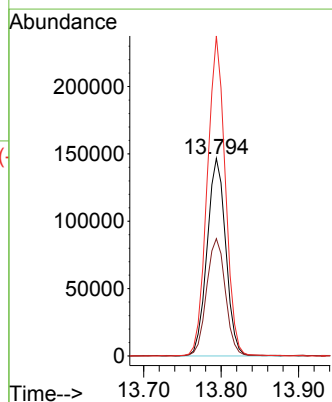
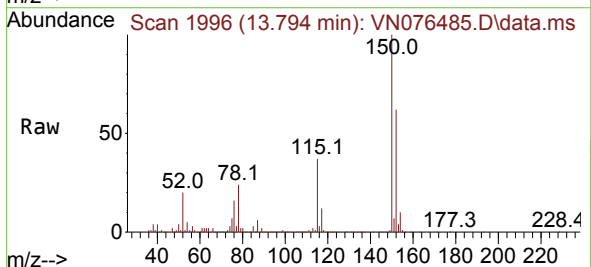
Instrument :
MSVOA_N
ClientSampleId :
31970

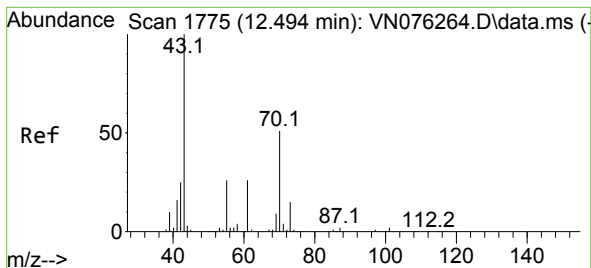
Tgt Ion:117 Resp: 590897
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.2
119 32.0 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Tgt Ion:152 Resp: 245784
Ion Ratio Lower Upper
152 100
115 59.5 29.6 88.9
150 156.5 0.0 351.4





#74

N-amy1 acetate

Concen: 0.343 ug/l

RT: 12.500 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

31970

Tgt Ion: 43 Resp: 1875

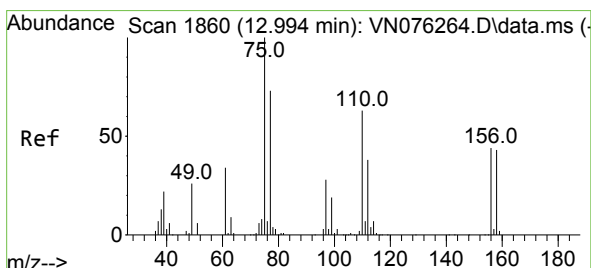
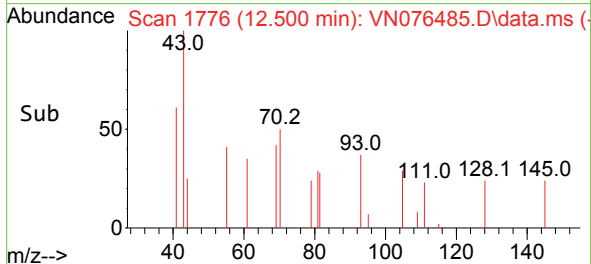
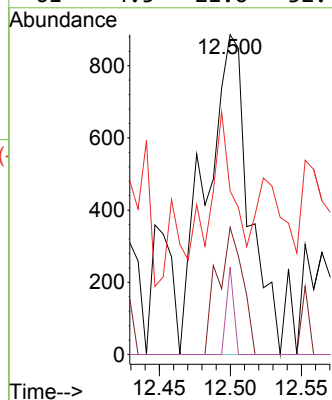
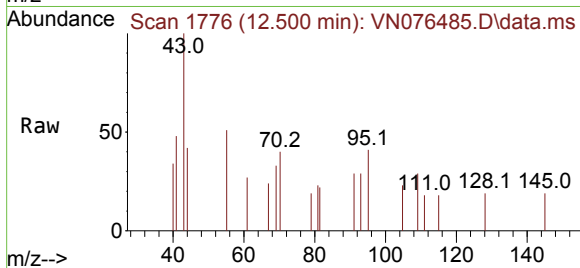
Ion Ratio Lower Upper

43 100

70 22.9 41.2 61.8#

55 28.6 21.0 31.6

61 4.5 21.6 32.4#



#76

1,2,3-Trichloropropane

Concen: 30.239 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN076485.D

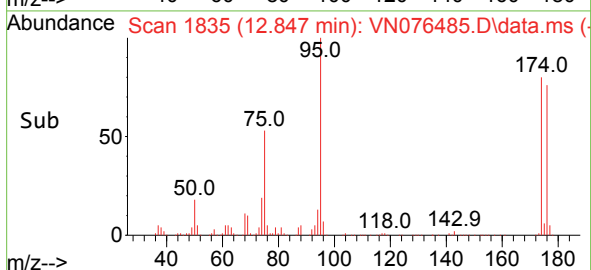
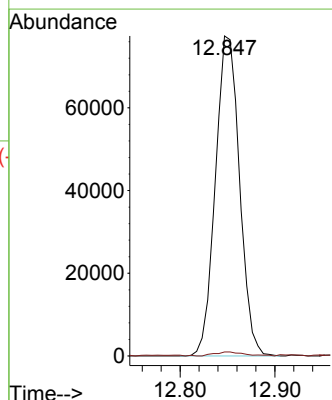
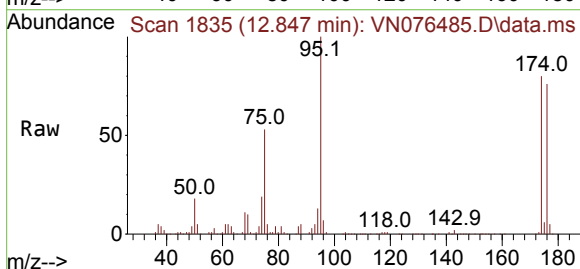
Acq: 31 Jan 2023 17:36

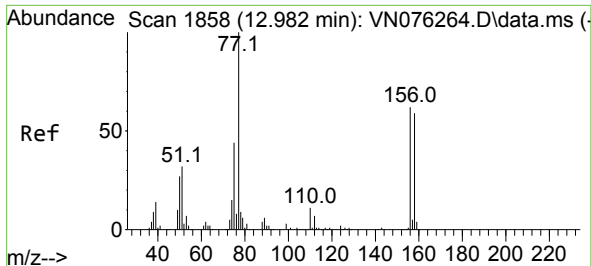
Tgt Ion: 75 Resp: 137075

Ion Ratio Lower Upper

75 100

77 1.6 75.2 225.6#

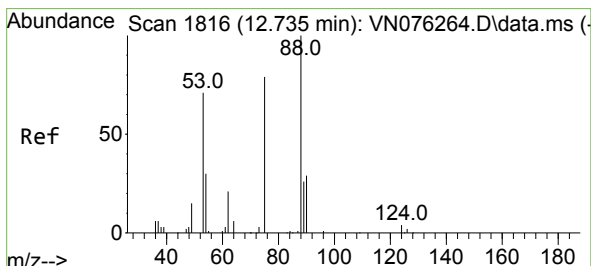
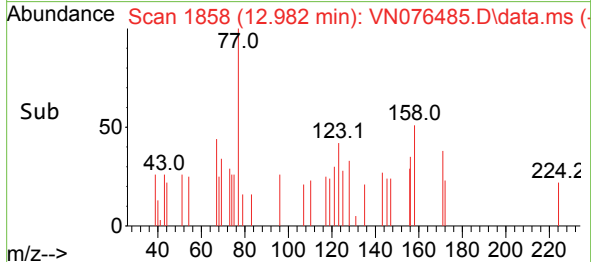
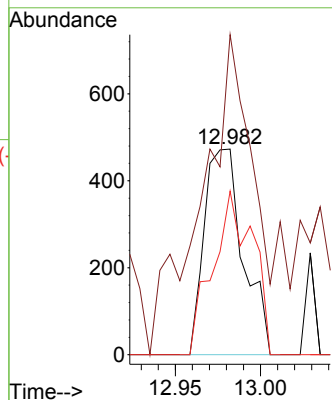
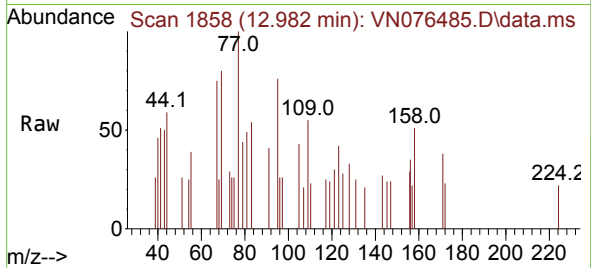




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

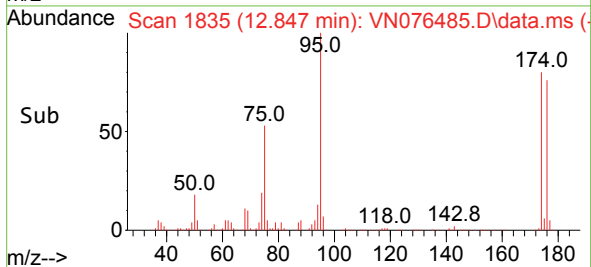
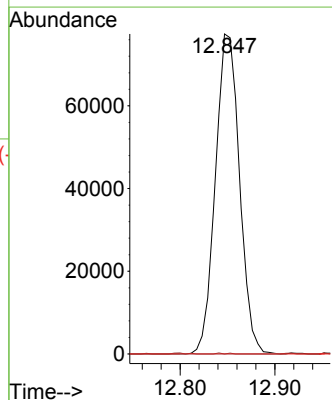
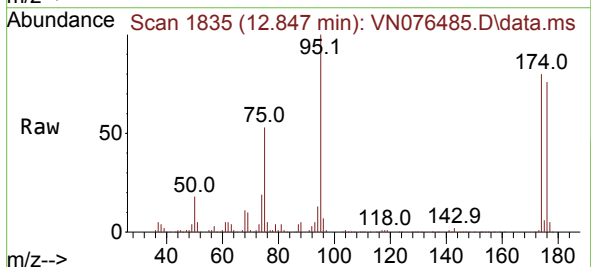
Instrument :
MSVOA_N
ClientSampleId :
31970

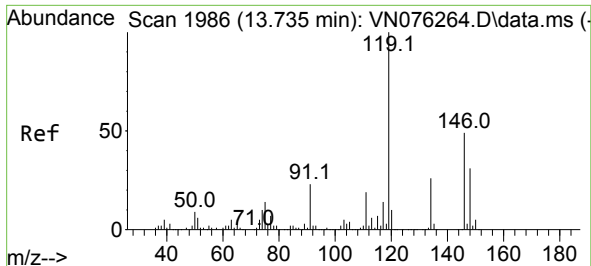
Tgt Ion:156 Resp: 750
Ion Ratio Lower Upper
156 100
77 206.7 93.4 280.2
158 81.6 48.4 145.2



#81
trans-1,4-Dichloro-2-butene
Concen: 92.793 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Tgt Ion: 75 Resp: 137075
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 37.0 55.6#





#87

1,3-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.006 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

31970

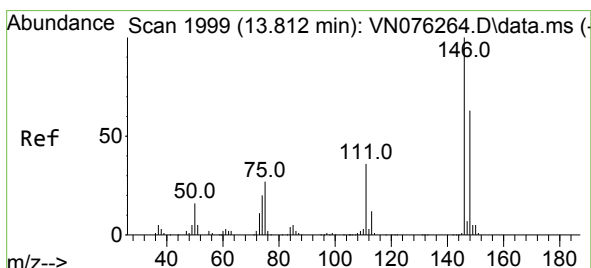
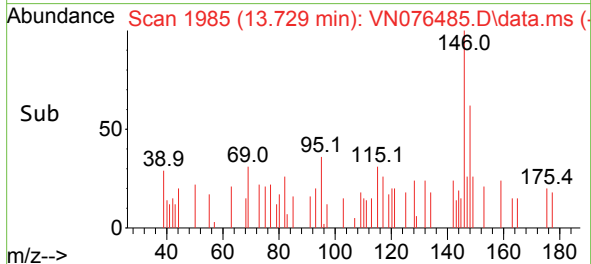
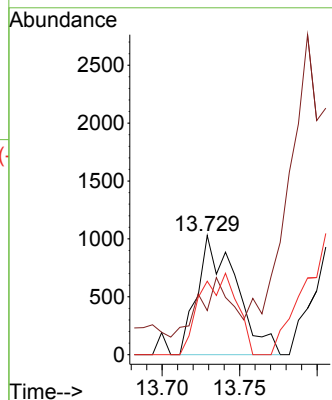
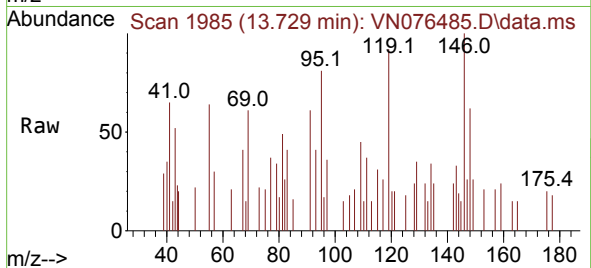
Tgt Ion:146 Resp: 1807

Ion Ratio Lower Upper

146 100

111 43.9 19.9 59.7

148 64.9 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 0.313 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.083 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

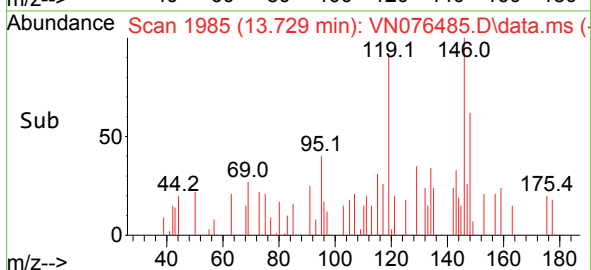
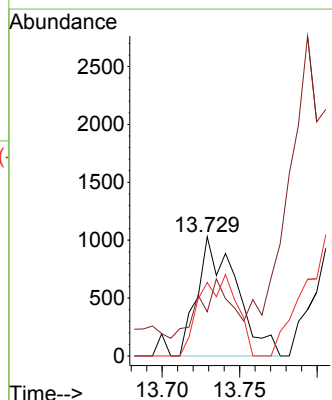
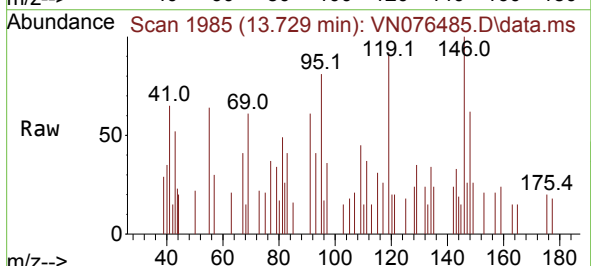
Tgt Ion:146 Resp: 1807

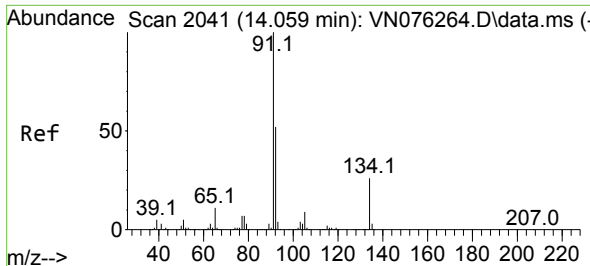
Ion Ratio Lower Upper

146 100

111 43.7 19.1 57.5

148 64.9 31.9 95.9

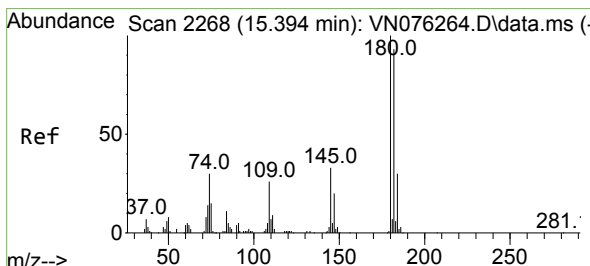
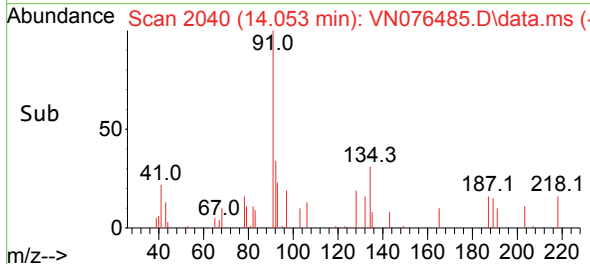
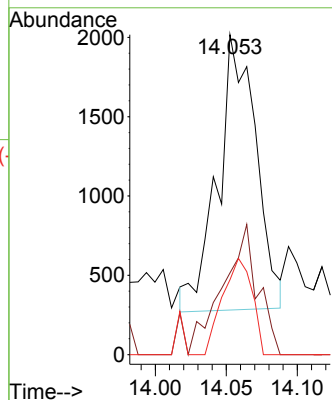
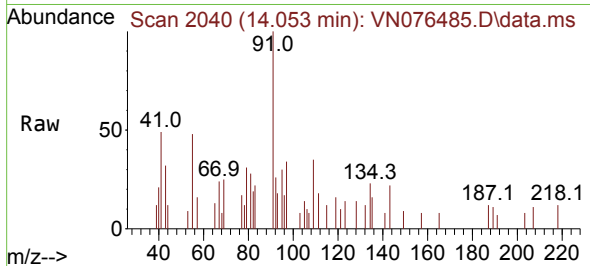




#89
n-Butylbenzene
Concen: 0.252 ug/l
RT: 14.053 min Scan# 2041
Delta R.T. -0.006 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

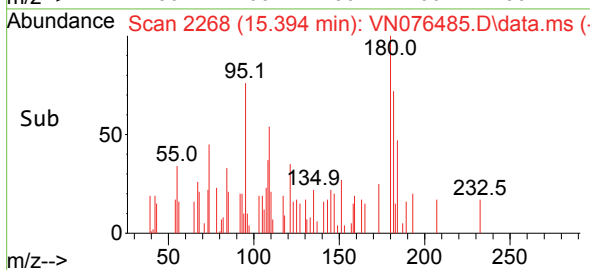
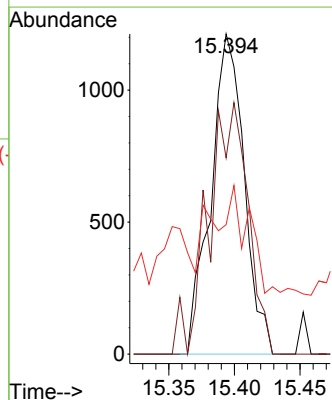
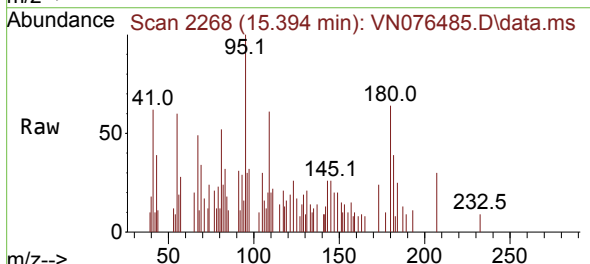
Instrument :
MSVOA_N
ClientSampleId :
31970

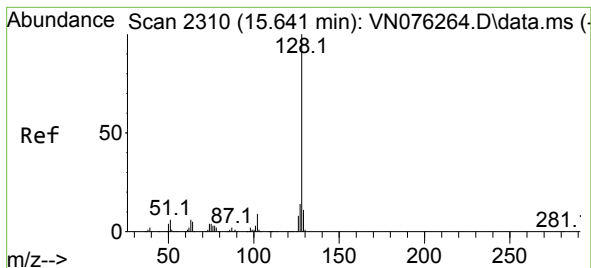
Tgt Ion: 91	Resp:	3232
Ion Ratio	Lower	Upper
91	100	
92	43.7	26.3 78.9
134	27.2	13.2 39.5



#93
1,2,4-Trichlorobenzene
Concen: 1.791 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN076485.D
Acq: 31 Jan 2023 17:36

Tgt Ion: 180	Resp:	2150
Ion Ratio	Lower	Upper
180	100	
182	93.4	47.0 141.2
145	0.0	15.2 45.5#





#95

Naphthalene

Concen: 2.670 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

31970

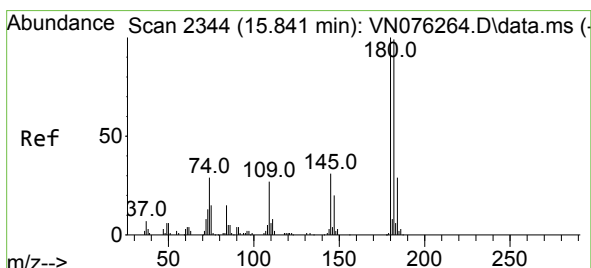
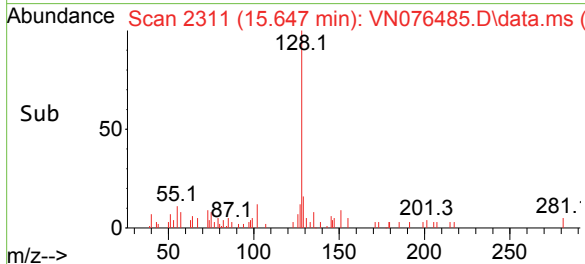
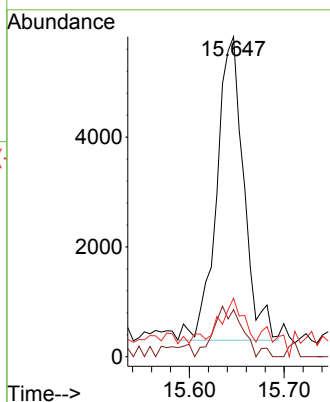
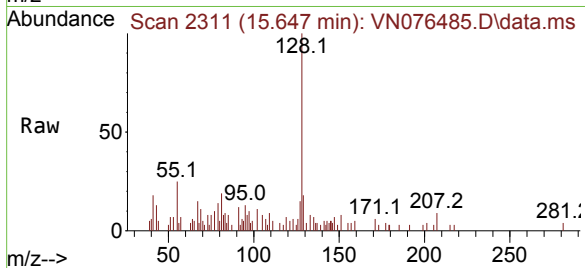
Tgt Ion:128 Resp: 11016

Ion Ratio Lower Upper

128 100

127 17.7 10.3 15.5#

129 13.1 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.655 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076485.D

Acq: 31 Jan 2023 17:36

Tgt Ion:180 Resp: 2110

Ion Ratio Lower Upper

180 100

182 100.8 47.5 142.5

145 57.9 15.9 47.6#

