

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071331.D
 Acq On : 16 Mar 2022 19:37
 Operator : JC\MD
 Sample : N1957-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 D-13

Quant Time: Mar 17 05:21:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

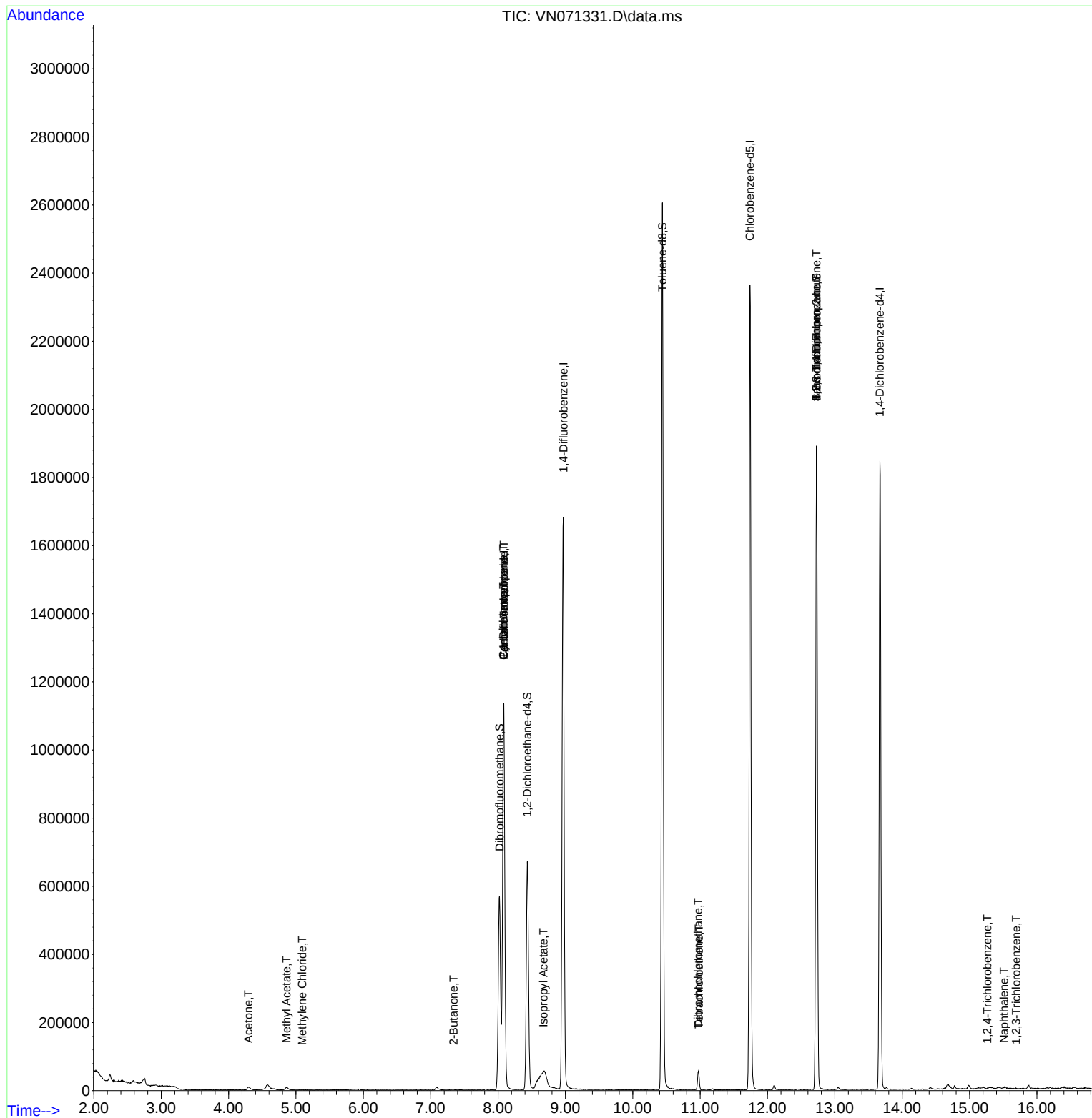
Internal Standards						
1) Pentafluorobenzene	8.086	168	886846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1469013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1375731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	513625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	560073	46.079	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.160%
35) Dibromofluoromethane	8.022	113	420367	45.347	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.700%
50) Toluene-d8	10.439	98	1790241	47.965	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.940%
62) 4-Bromofluorobenzene	12.727	95	673856	53.317	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.640%
Target Compounds						
					Qvalue	
5) Bromomethane	2.857	94	1955	Below Cal	#	52
16) Acetone	4.293	43	13188	2.230	ug/l	99
18) Methyl Acetate	4.857	43	17703	1.574	ug/l	93
20) Methylene Chloride	5.093	84	394	0.418	ug/l	# 64
25) 2-Butanone	7.339	43	2781	0.292	ug/l	# 78
31) Cyclohexane	8.081	56	18280	0.942	ug/l	# 1
36) 1,1-Dichloropropene	8.081	75	69501	4.679	ug/l	# 50
38) Carbon Tetrachloride	8.086	117	85994	5.986	ug/l	# 17
43) Isopropyl Acetate	8.675	43	165605	5.418	ug/l	# 55
60) Dibromochloromethane	10.969	129	11910	1.086	ug/l	# 11
64) Tetrachloroethene	10.980	164	13107	1.366	ug/l	89
71) Bromoform	12.727	173	3820	0.464	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.721	83	658	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	345010	26.382	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	345010	72.612	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.262	180	350	3.028	ug/l	# 46
95) Naphthalene	15.510	128	949	5.104	ug/l	# 76
96) 1,2,3-Trichlorobenzene	15.692	180	62	2.739	ug/l	# 1

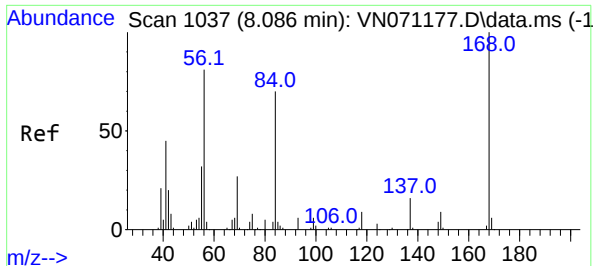
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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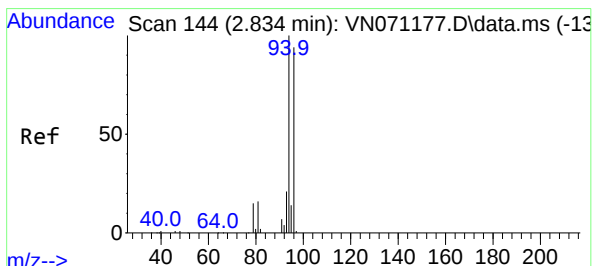
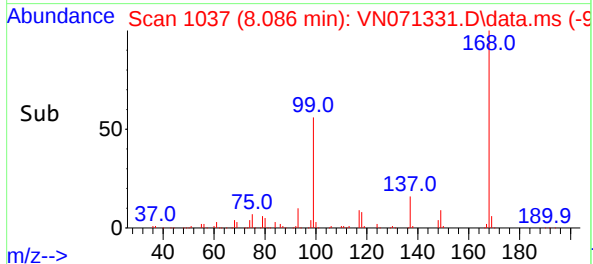
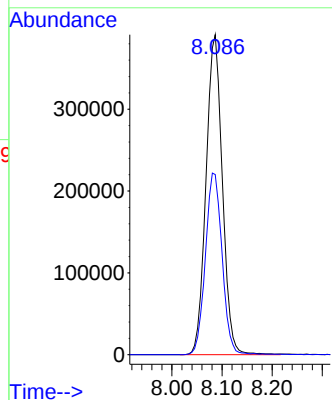
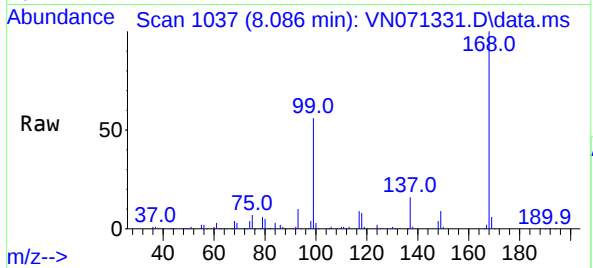




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

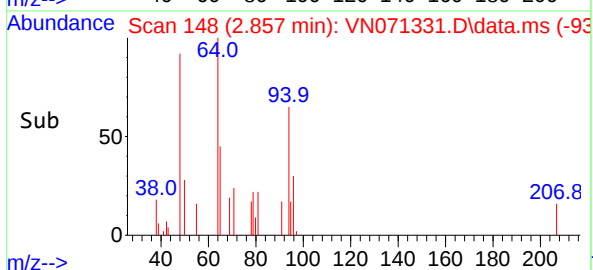
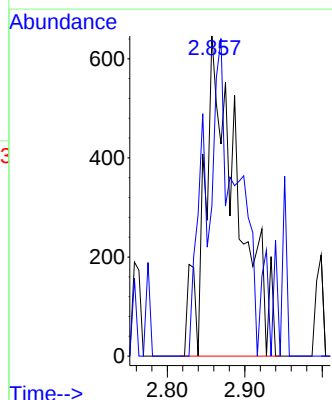
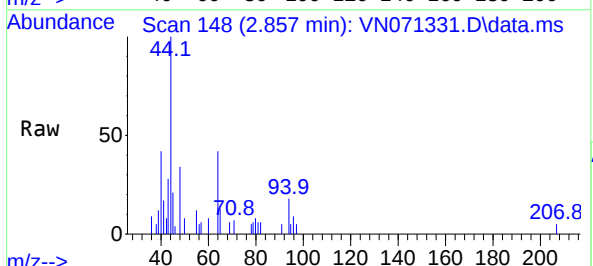
Instrument :
MSVOA_N
ClientSampleId :
D-13

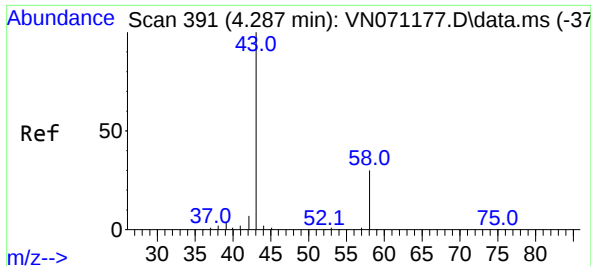
Tgt Ion:168 Resp: 886846
Ion Ratio Lower Upper
168 100
99 56.3 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 148
Delta R.T. 0.023 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion: 94 Resp: 1955
Ion Ratio Lower Upper
94 100
96 46.9 73.8 110.8#

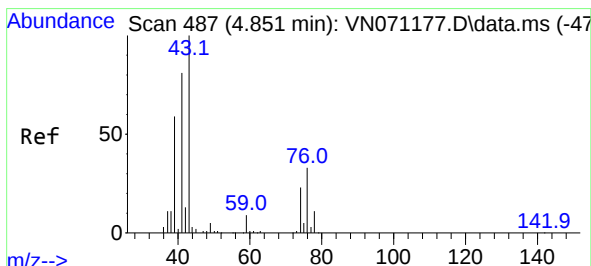
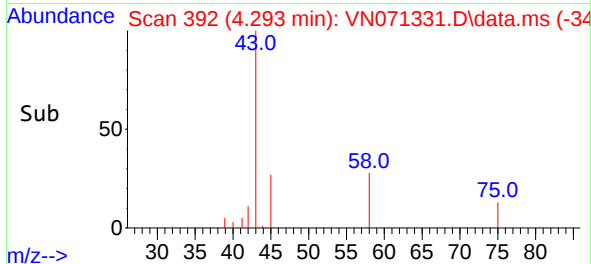
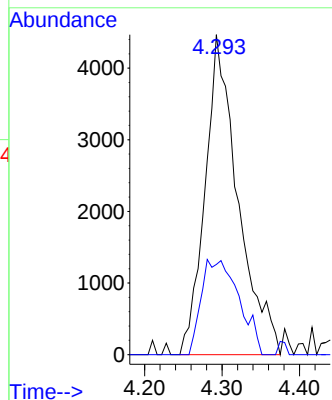
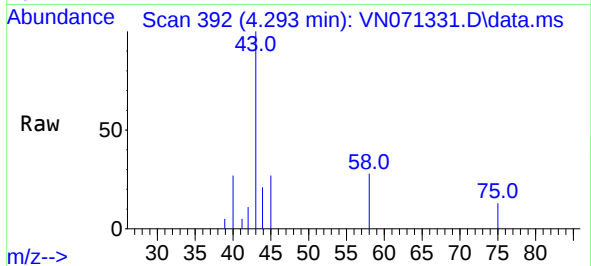




#16
Acetone
Concen: 2.230 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

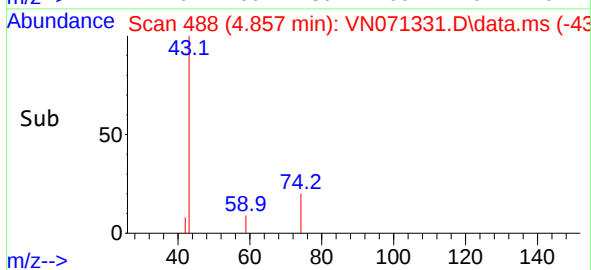
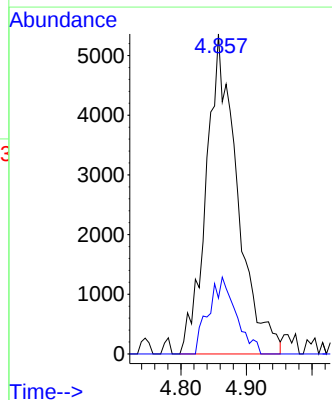
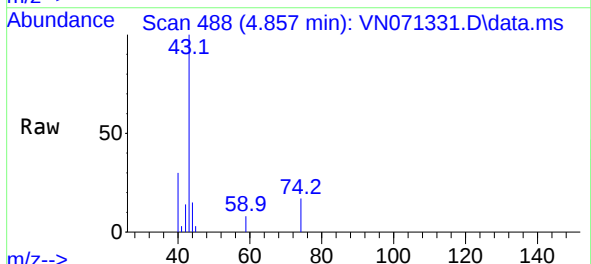
Instrument :
MSVOA_N
ClientSampleId :
D-13

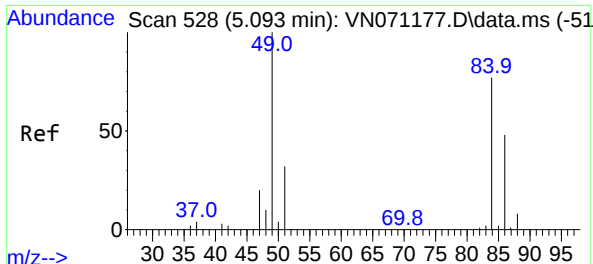
Tgt Ion: 43 Resp: 13188
Ion Ratio Lower Upper
43 100
58 28.2 23.1 34.7



#18
Methyl Acetate
Concen: 1.574 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion: 43 Resp: 17703
Ion Ratio Lower Upper
43 100
74 21.0 19.4 29.2

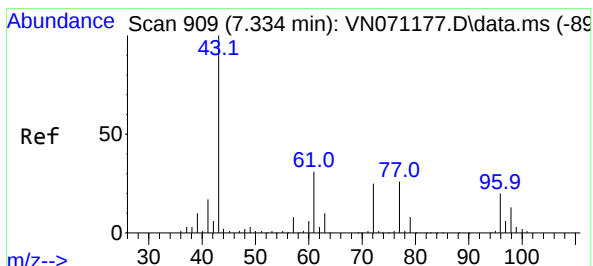
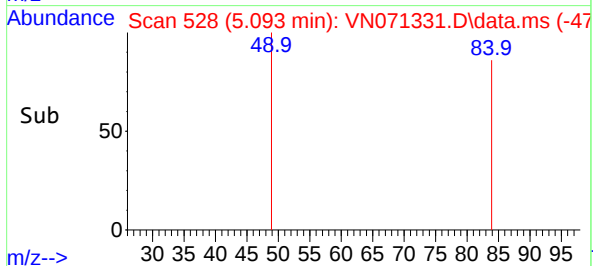
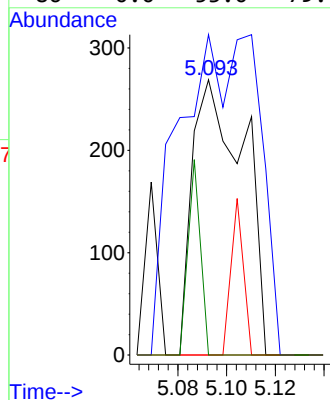
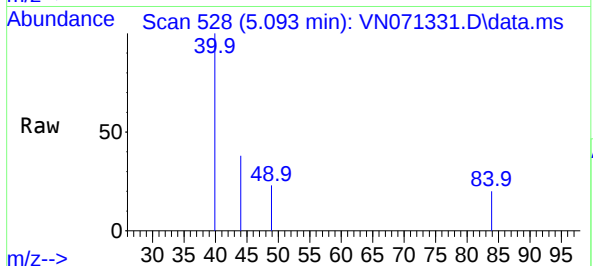




#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

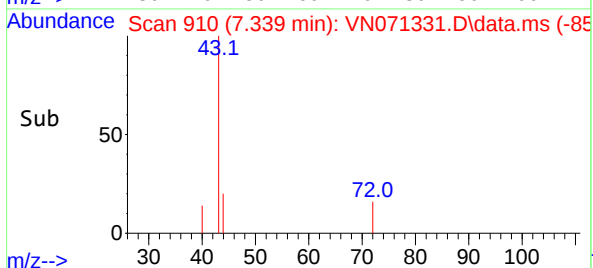
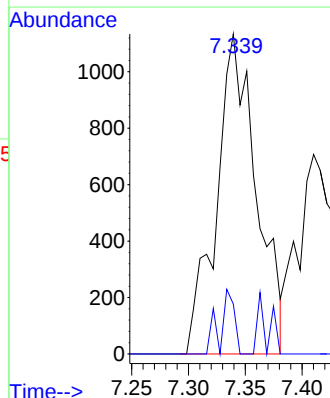
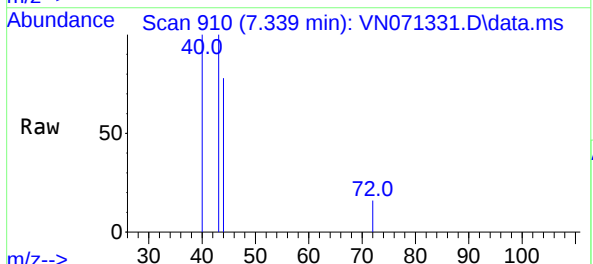
Instrument :
MSVOA_N
ClientSampleId :
D-13

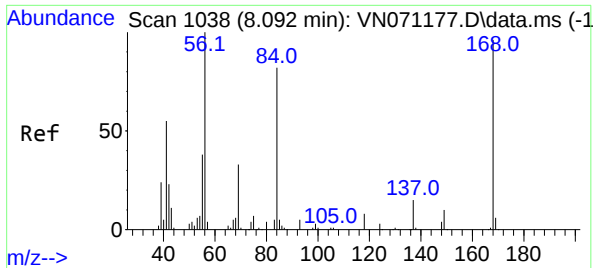
Tgt Ion:	84	Resp:	394
Ion	Ratio	Lower	Upper
84	100		
49	116.4	93.5	140.3
51	0.0	29.4	44.2#
86	0.0	53.0	79.4#



#25
2-Butanone
Concen: 0.292 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion:	43	Resp:	2781
Ion	Ratio	Lower	Upper
43	100		
72	15.6	21.7	32.5#

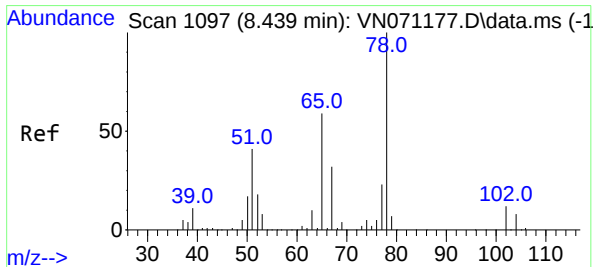
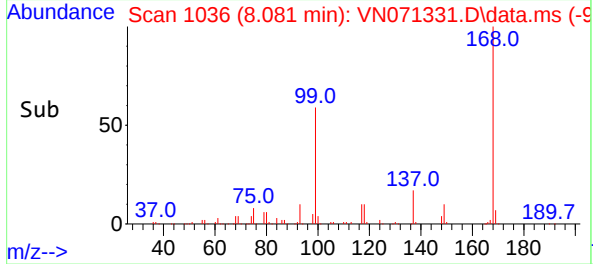
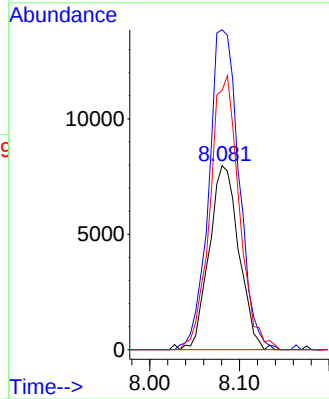
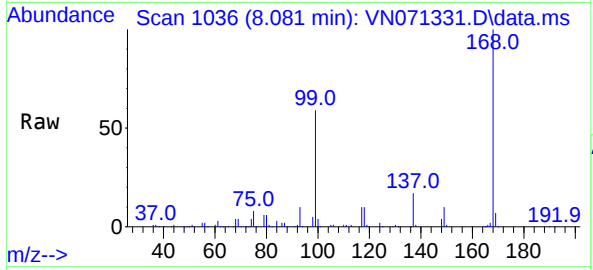




#31
Cyclohexane
Concen: 0.942 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

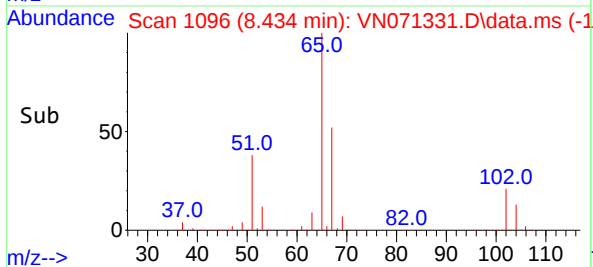
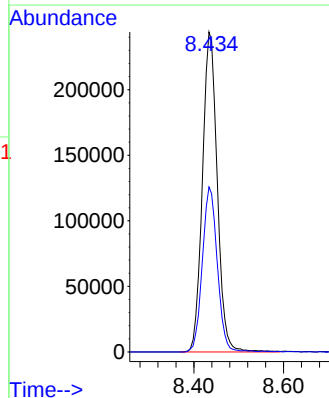
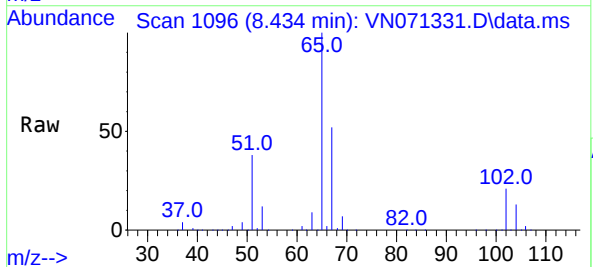
Instrument :
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ClientSampleId :
D-13

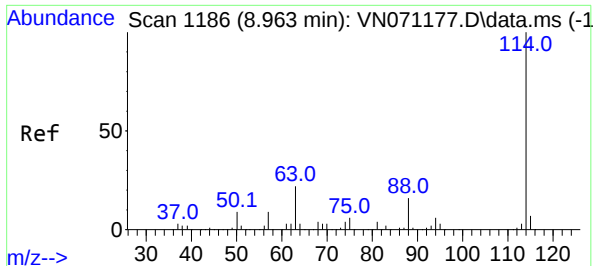
Tgt Ion: 56 Resp: 18280
Ion Ratio Lower Upper
56 100
69 173.9 27.1 40.7#
84 140.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.079 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion: 65 Resp: 560073
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0

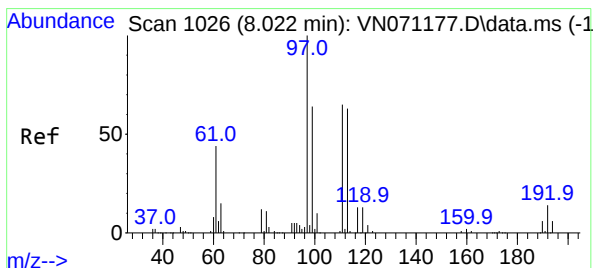
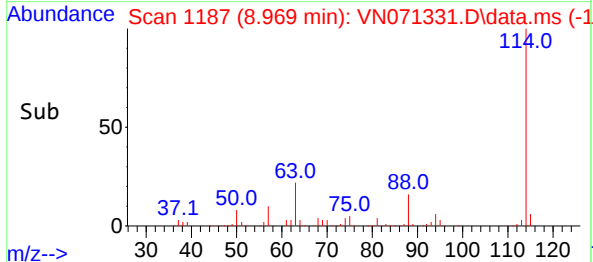
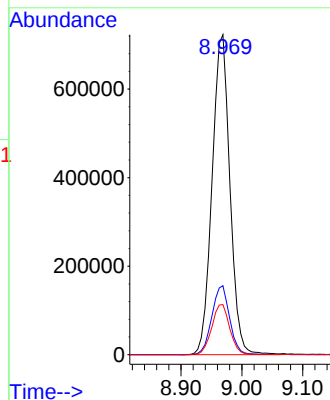
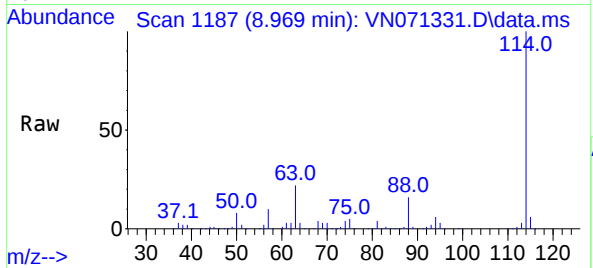




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1186
Delta R.T. 0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

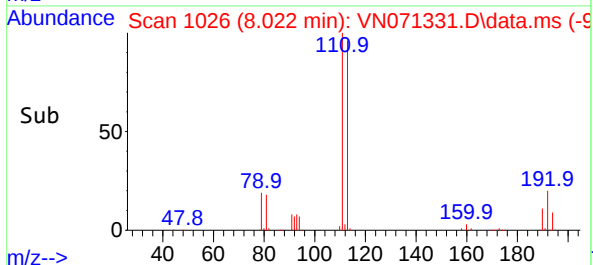
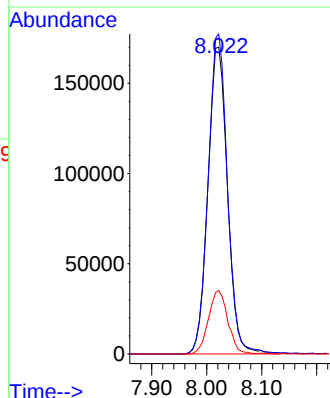
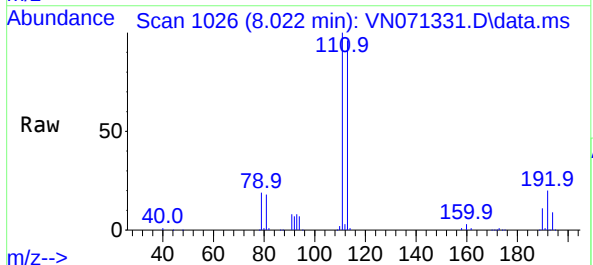
Instrument :
MSVOA_N
ClientSampleId :
D-13

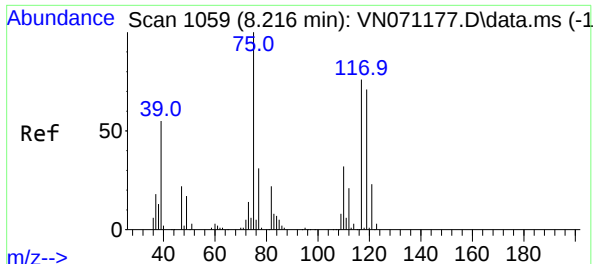
Tgt Ion:114 Resp: 1469013
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.8
88 15.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.347 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion:113 Resp: 420367
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.679 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071331.D

Acq: 16 Mar 2022 19:37

Instrument :

MSVOA_N

ClientSampleId :

D-13

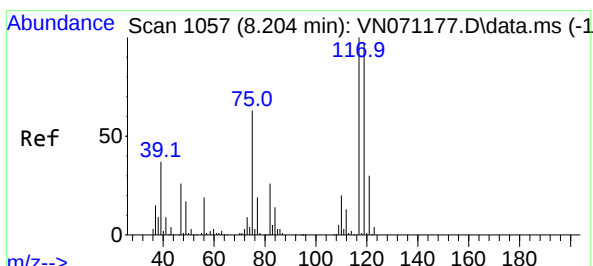
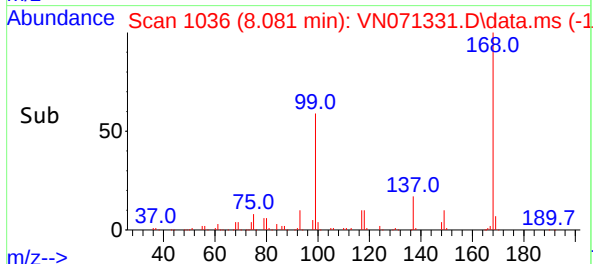
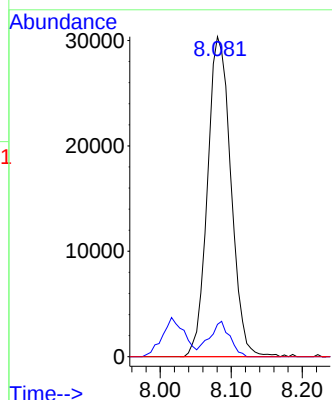
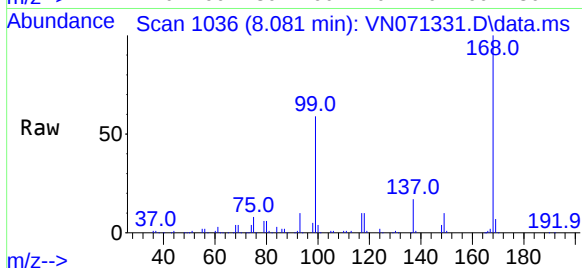
Tgt Ion: 75 Resp: 69501

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.986 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071331.D

Acq: 16 Mar 2022 19:37

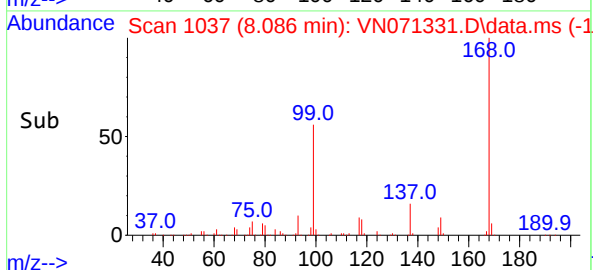
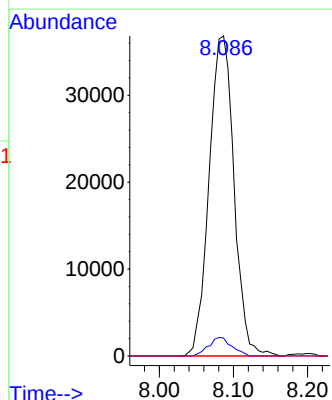
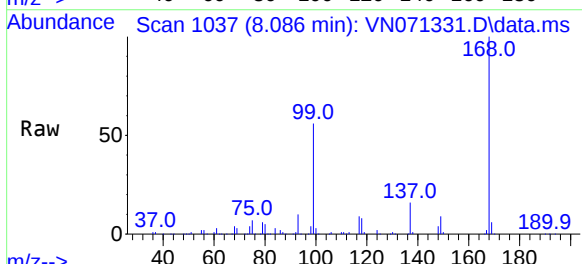
Tgt Ion: 117 Resp: 85994

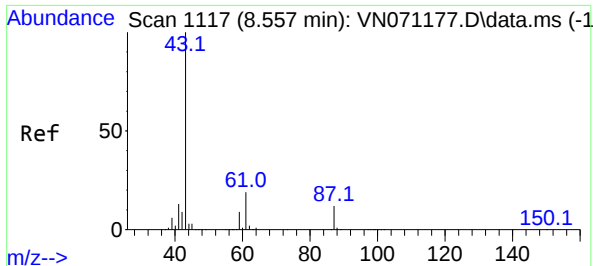
Ion Ratio Lower Upper

117 100

119 5.6 76.1 114.1#

121 0.0 24.2 36.2#

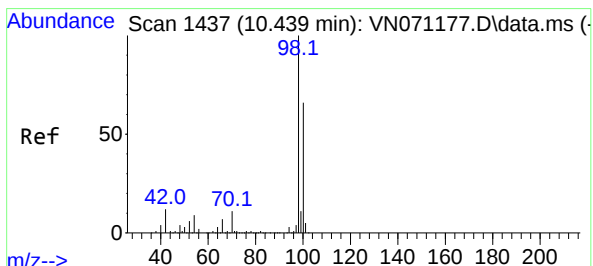
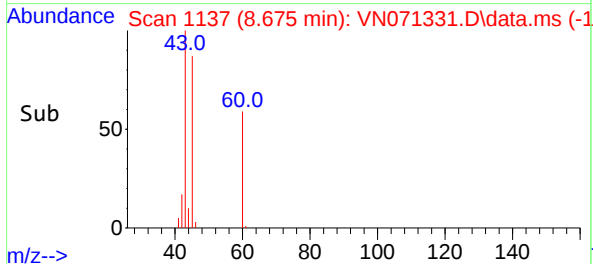
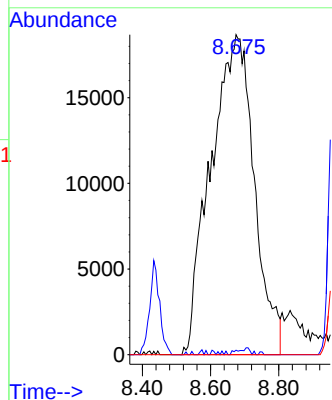
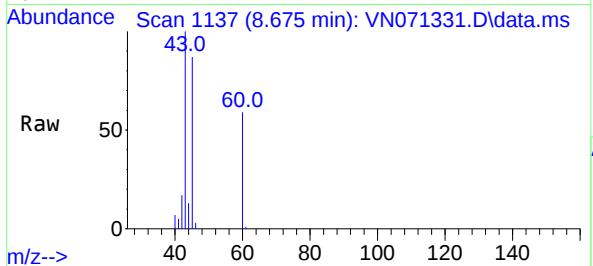




#43
Isopropyl Acetate
Concen: 5.418 ug/l
RT: 8.675 min Scan# 1117
Delta R.T. 0.118 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

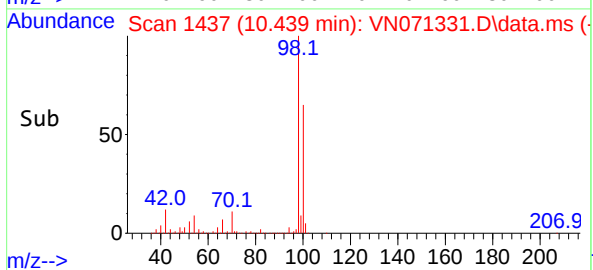
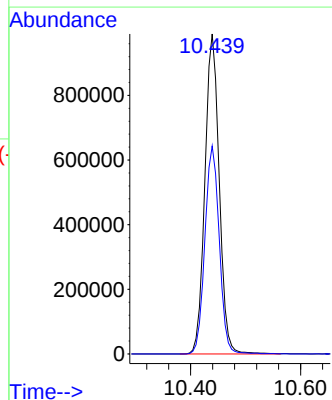
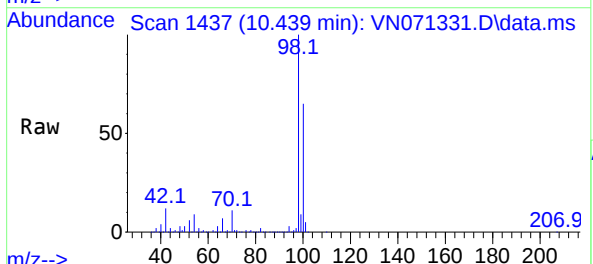
Instrument :
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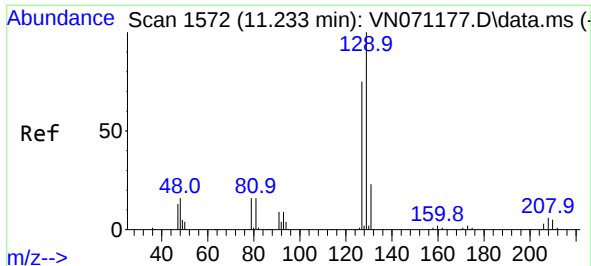
Tgt Ion: 43 Resp: 165605
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 47.965 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion: 98 Resp: 1790241
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6

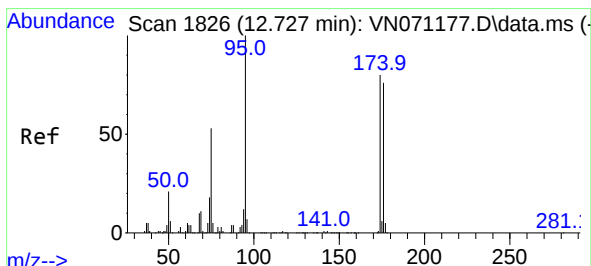
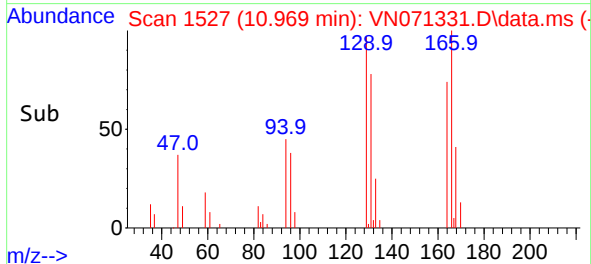
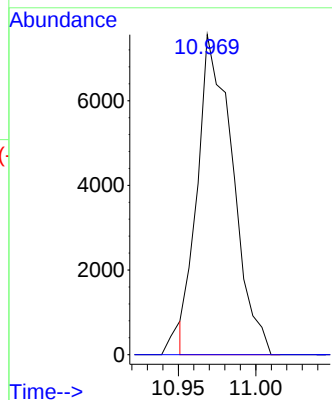
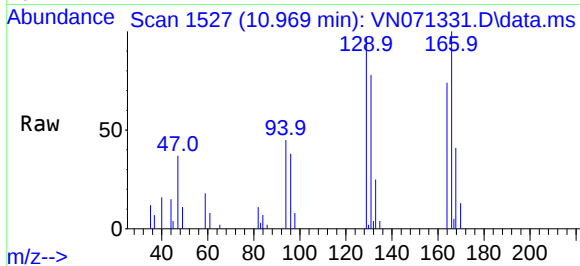




#60
Dibromochloromethane
Concen: 1.086 ug/l
RT: 10.969 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

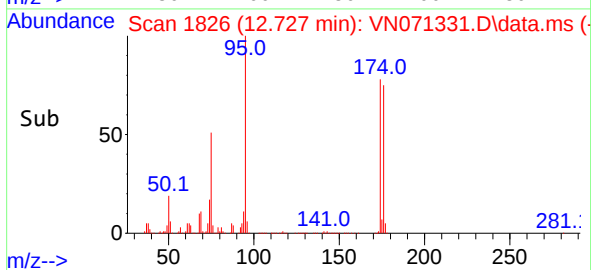
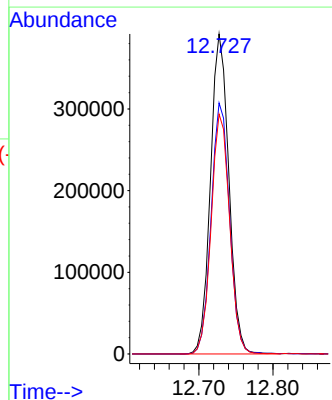
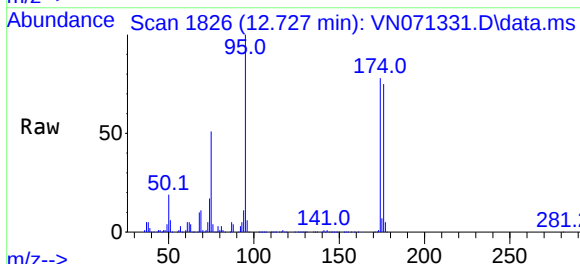
Instrument :
MSVOA_N
ClientSampleId :
D-13

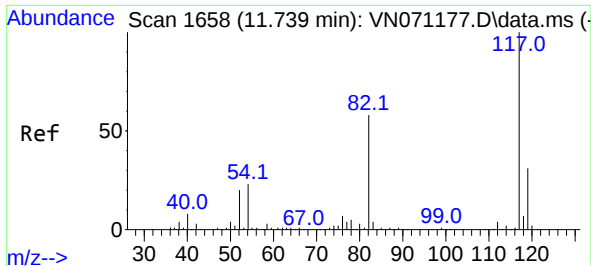
Tgt Ion:129 Resp: 11910
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.317 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion: 95 Resp: 673856
Ion Ratio Lower Upper
95 100
174 78.8 0.0 187.2
176 75.4 0.0 181.4

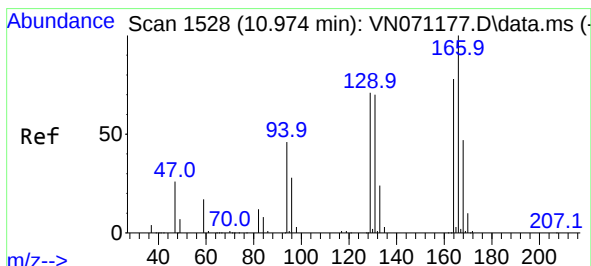
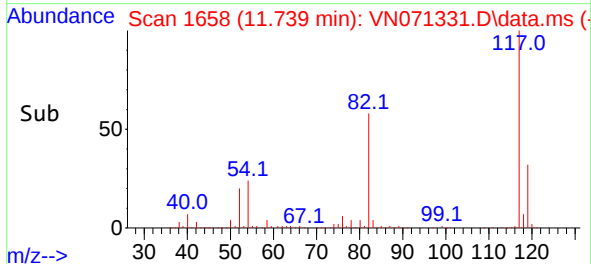
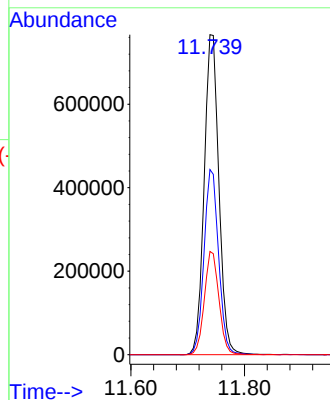
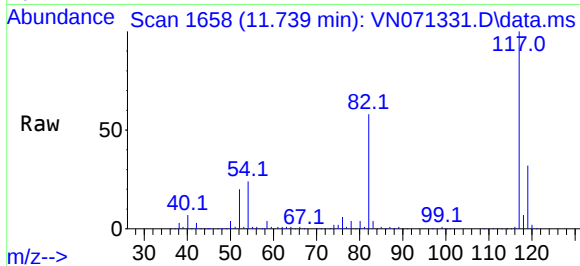




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

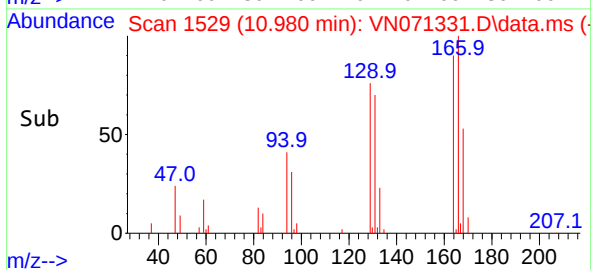
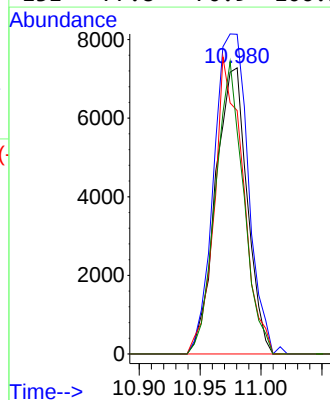
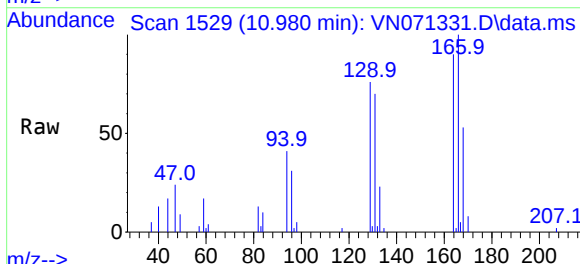
Instrument :
MSVOA_N
ClientSampleId :
D-13

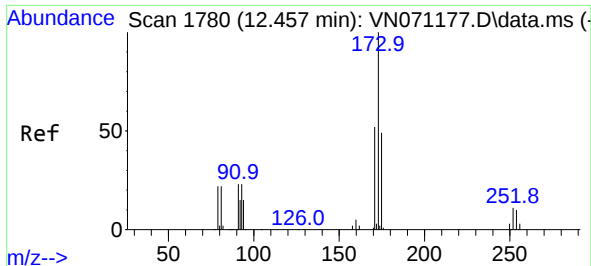
Tgt Ion:117 Resp: 1375731
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 1.366 ug/l
RT: 10.980 min Scan# 1529
Delta R.T. 0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion:164 Resp: 13107
Ion Ratio Lower Upper
164 100
166 111.7 101.9 152.9
129 85.1 72.0 108.0
131 77.8 70.9 106.3

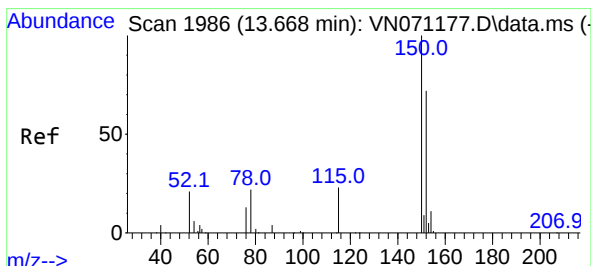
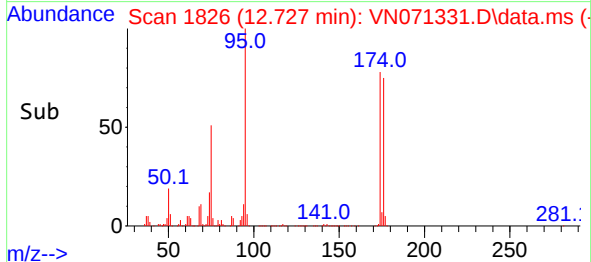
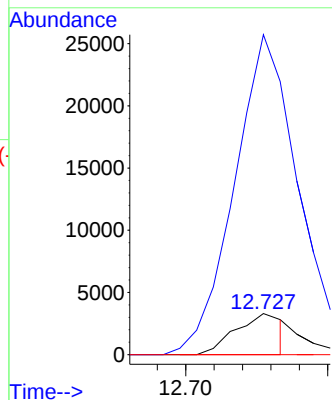
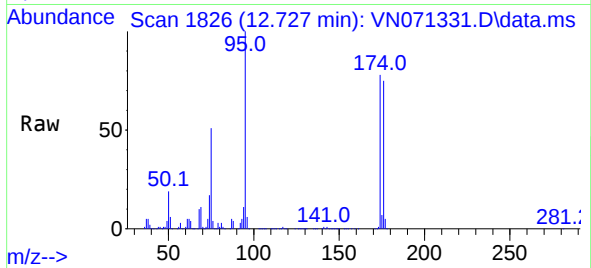




#71
Bromoform
Concen: 0.464 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

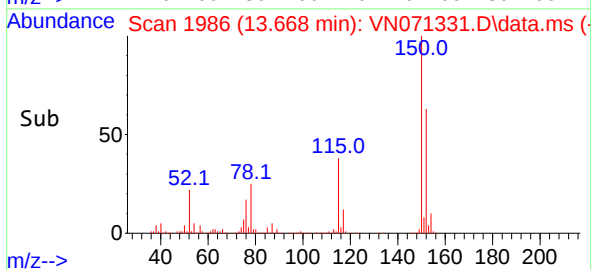
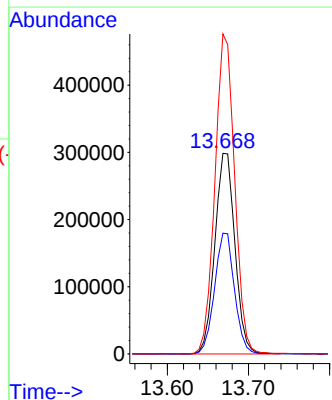
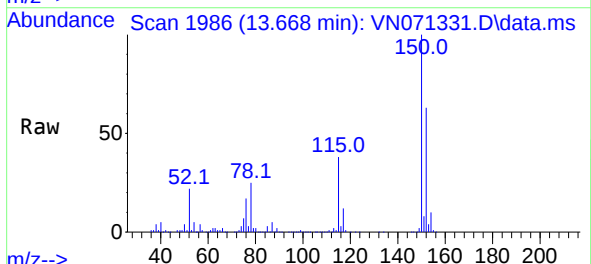
Instrument :
MSVOA_N
ClientSampleId :
D-13

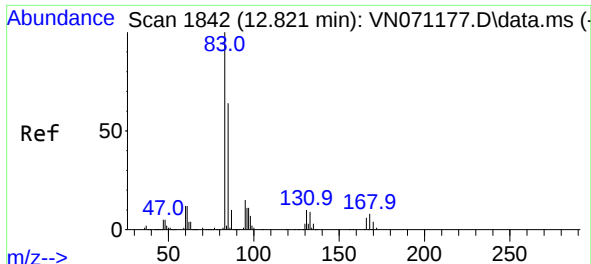
Tgt Ion:173 Resp: 3820
Ion Ratio Lower Upper
173 100
175 801.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion:152 Resp: 513625
Ion Ratio Lower Upper
152 100
115 59.9 27.5 82.5
150 156.8 0.0 344.4

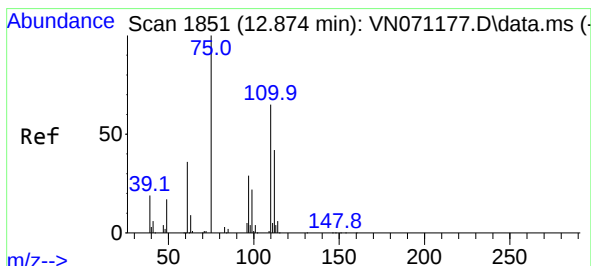
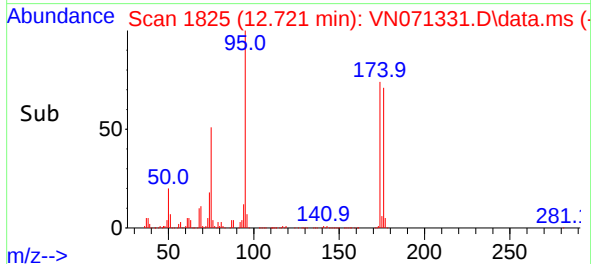
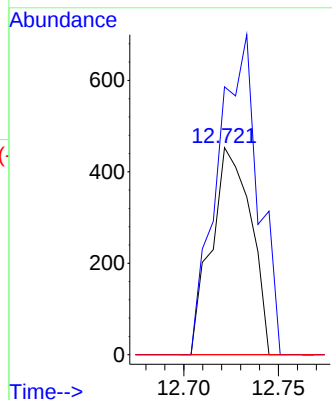
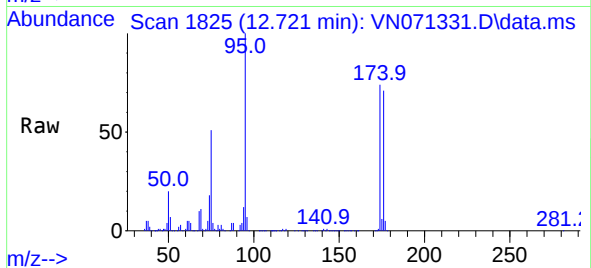




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.721 min Scan# 1842
Delta R.T. -0.100 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

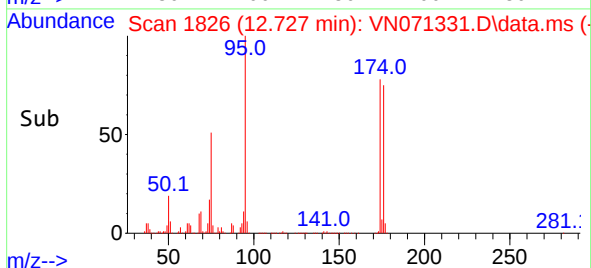
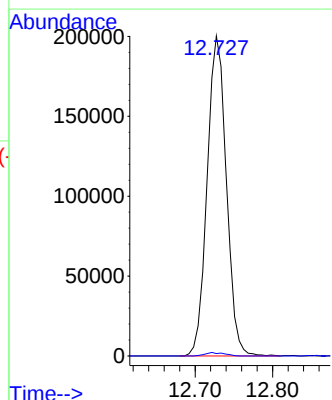
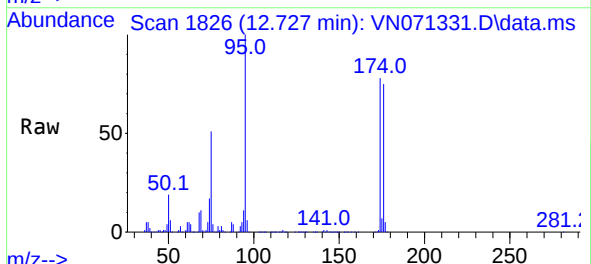
Instrument :
MSVOA_N
ClientSampleId :
D-13

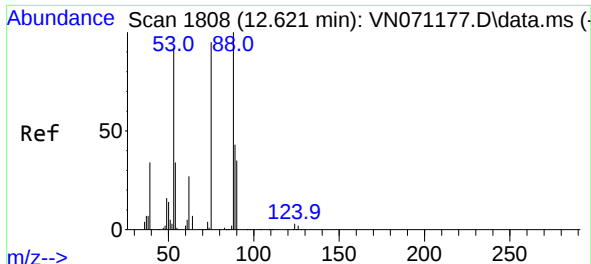
Tgt Ion: 83 Resp: 658
Ion Ratio Lower Upper
83 100
131 159.6 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.382 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion: 75 Resp: 345010
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

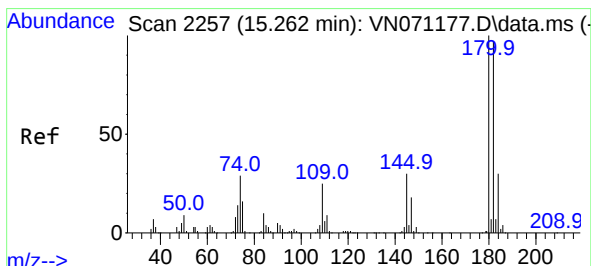
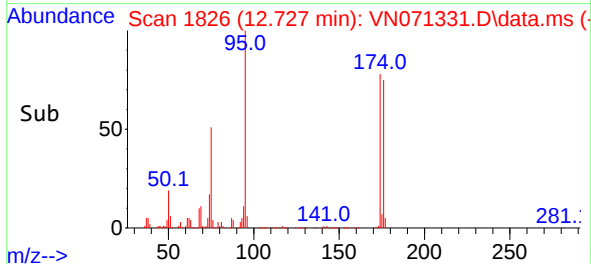
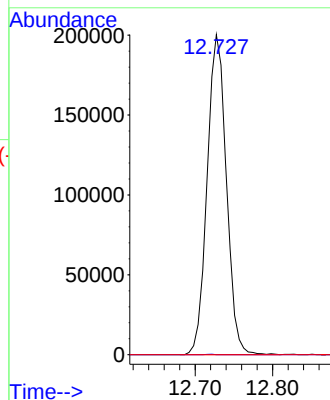
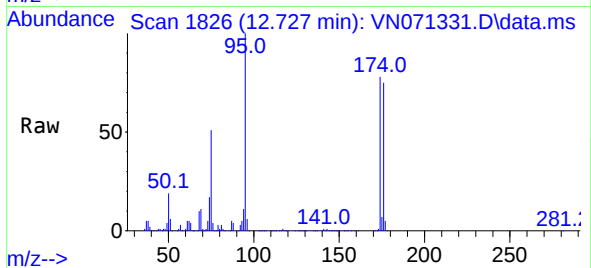




#81
trans-1,4-Dichloro-2-butene
Concen: 72.612 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

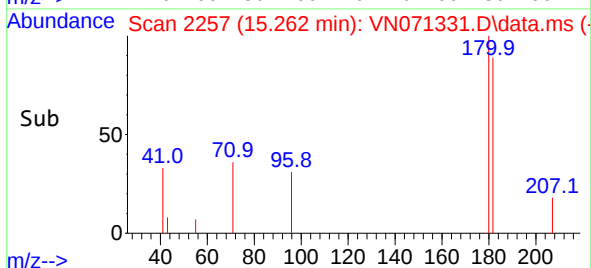
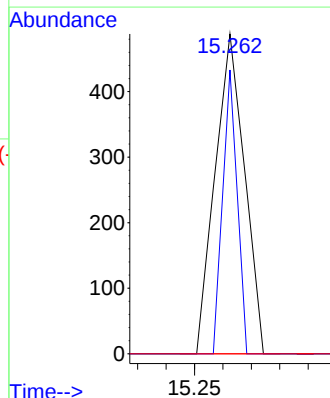
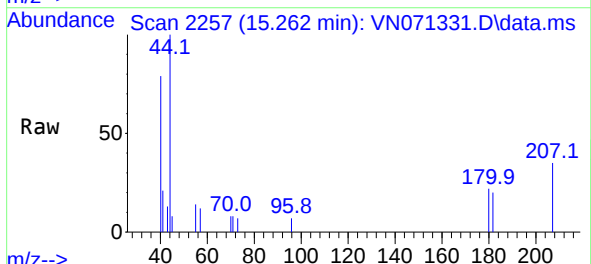
Instrument :
MSVOA_N
ClientSampleId :
D-13

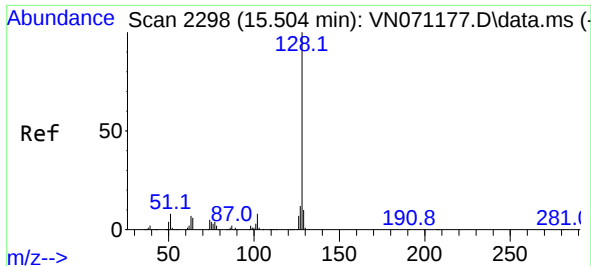
Tgt Ion: 75 Resp: 345010
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.028 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion:180 Resp: 350
Ion Ratio Lower Upper
180 100
182 43.7 48.3 144.9#
145 0.0 14.5 43.5#

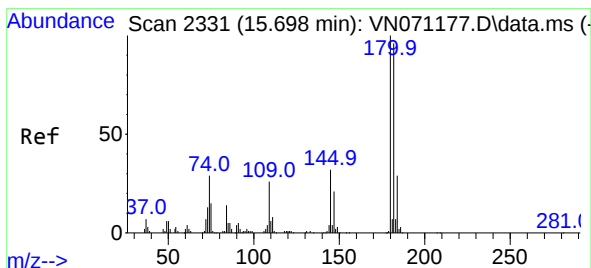
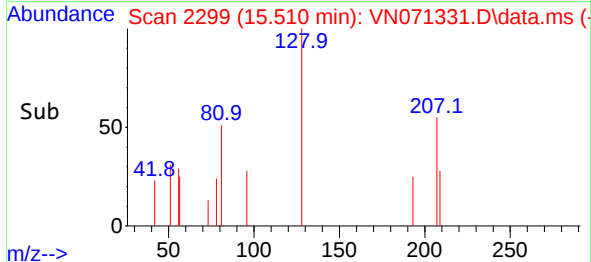
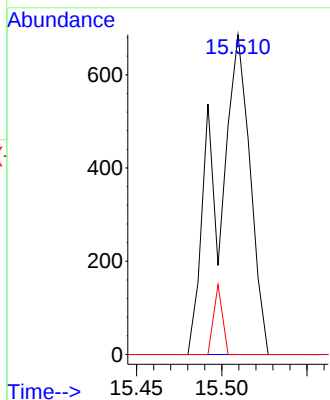
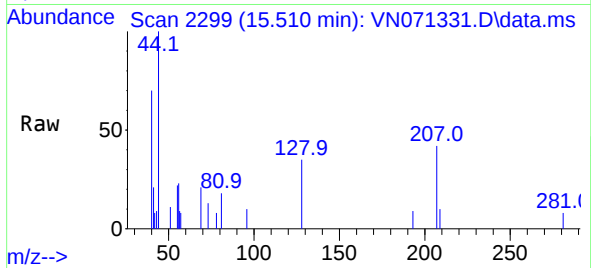




#95
Naphthalene
Concen: 5.104 ug/l
RT: 15.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Instrument :
MSVOA_N
ClientSampleId :
D-13

Tgt Ion:128 Resp: 949
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 5.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.739 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071331.D
Acq: 16 Mar 2022 19:37

Tgt Ion:180 Resp: 62
Ion Ratio Lower Upper
180 100
182 406.5 47.4 142.2#
145 104.8 15.0 45.1#

