

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071328.D
 Acq On : 16 Mar 2022 18:25
 Operator : JC\MD
 Sample : N1957-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-1D

Quant Time: Mar 17 05:20:20 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)

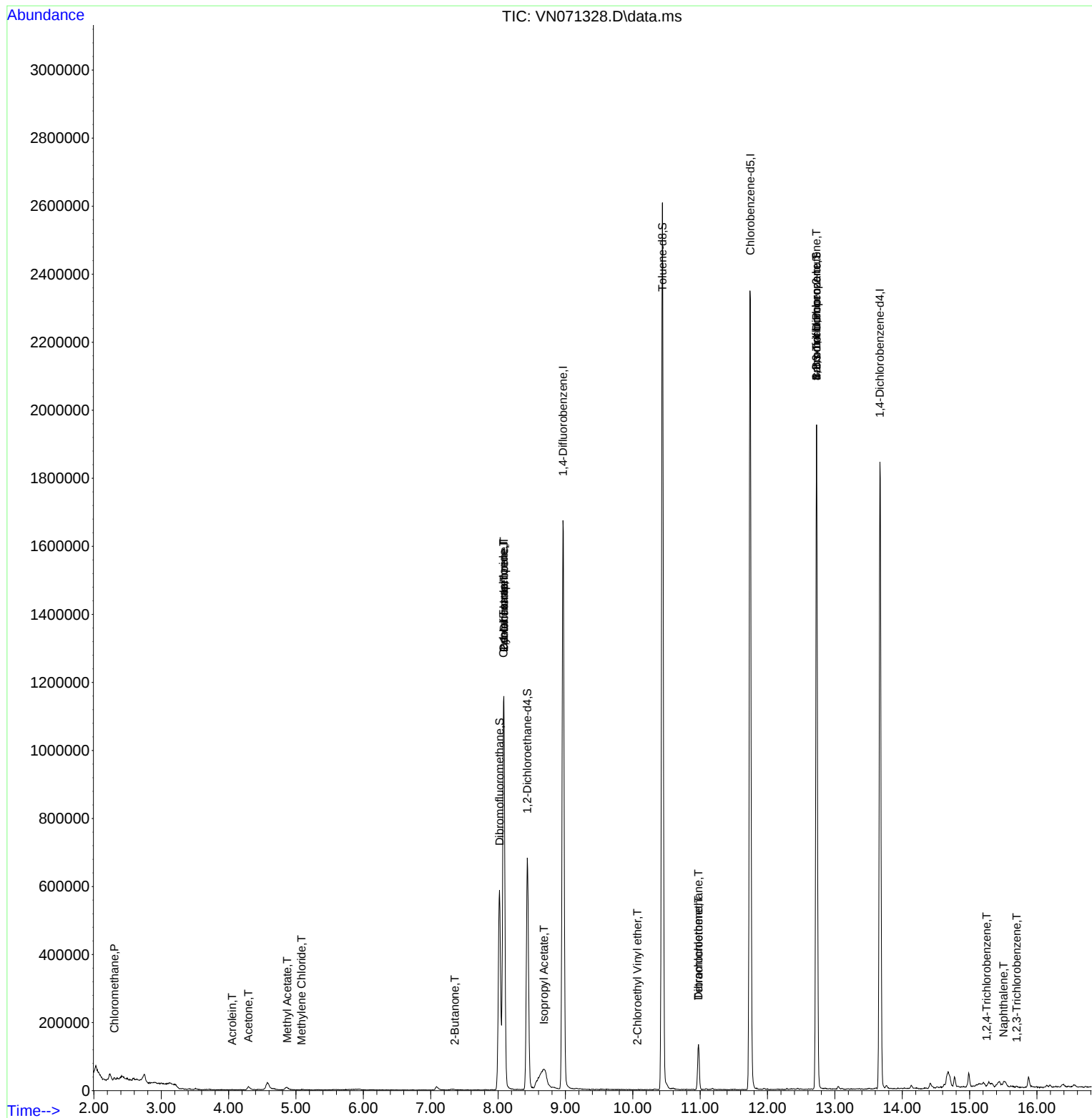
Internal Standards						
1) Pentafluorobenzene	8.086	168	903292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1476446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1375539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	523447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	560841	45.302	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.600%
35) Dibromofluoromethane	8.022	113	429908	46.143	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.280%
50) Toluene-d8	10.439	98	1805482	48.130	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.260%
62) 4-Bromofluorobenzene	12.727	95	675196	53.154	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	5029	0.344	ug/l	89
5) Bromomethane	2.822	94	59	Below Cal	#	3
13) Acrolein	4.051	56	1031	0.401	ug/l	# 69
16) Acetone	4.293	43	14598	2.423	ug/l	93
18) Methyl Acetate	4.869	43	17648	1.551	ug/l	92
20) Methylene Chloride	5.081	84	536	0.430	ug/l	# 79
25) 2-Butanone	7.357	43	2952	0.304	ug/l	# 80
31) Cyclohexane	8.086	56	18887	0.955	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	68797	4.609	ug/l	# 48
38) Carbon Tetrachloride	8.081	117	87917	6.089	ug/l	# 16
43) Isopropyl Acetate	8.681	43	176662	5.750	ug/l	# 56
58) 2-Chloroethyl Vinyl ether	10.069	63	60	27.879	ug/l	# 45
60) Dibromochloromethane	10.975	129	28663	2.599	ug/l	# 11
64) Tetrachloroethene	10.975	164	30759	3.206	ug/l	98
71) Bromoform	12.727	173	4060	0.494	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.833	83	256	Below Cal	#	65
76) 1,2,3-Trichloropropane	12.727	75	352721	26.475	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	352721	72.842	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.251	180	1027	3.102	ug/l	68
95) Naphthalene	15.504	128	4961	5.253	ug/l	# 88
96) 1,2,3-Trichlorobenzene	15.698	180	948	2.841	ug/l	# 57

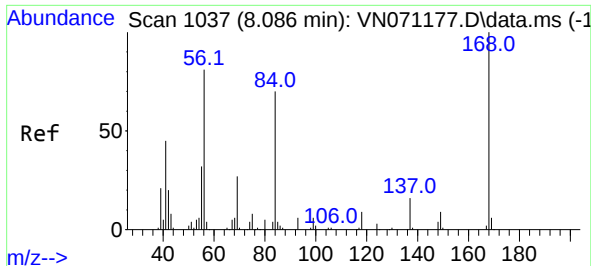
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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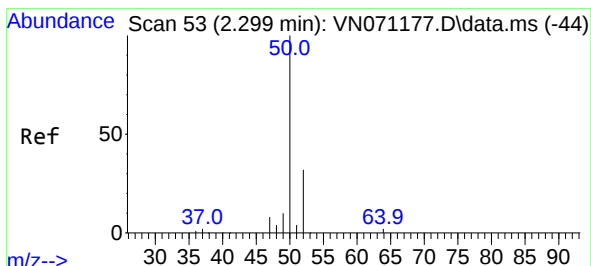
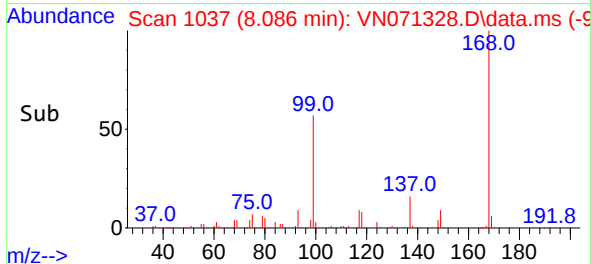
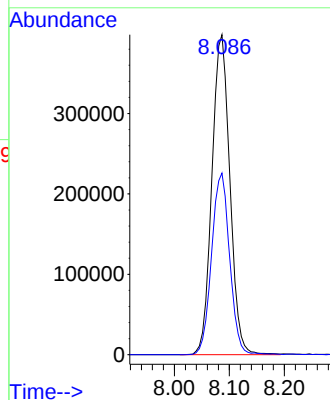
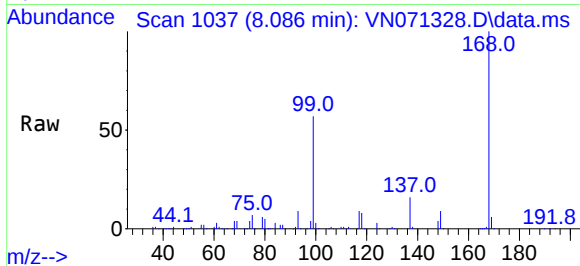




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

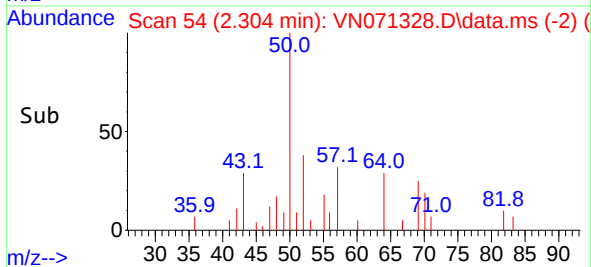
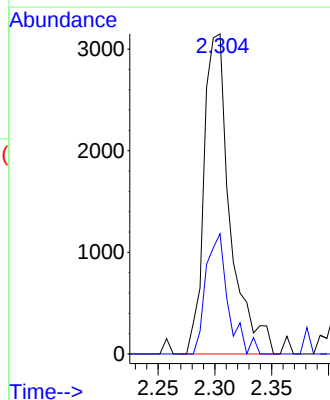
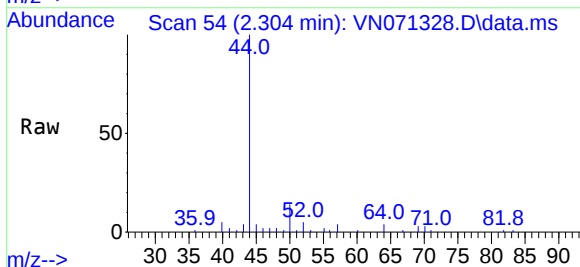
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

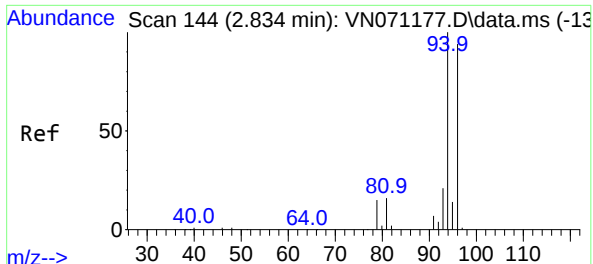
Tgt Ion:168 Resp: 903292
Ion Ratio Lower Upper
168 100
99 56.7 41.3 61.9



#3
Chloromethane
Concen: 0.344 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 50 Resp: 5029
Ion Ratio Lower Upper
50 100
52 37.6 25.4 38.0

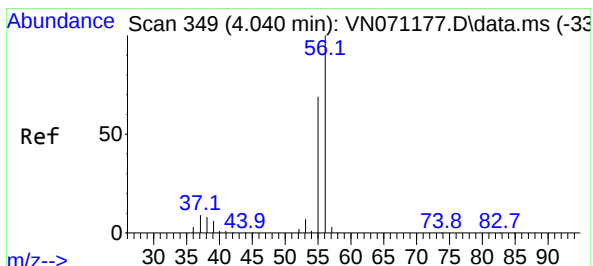
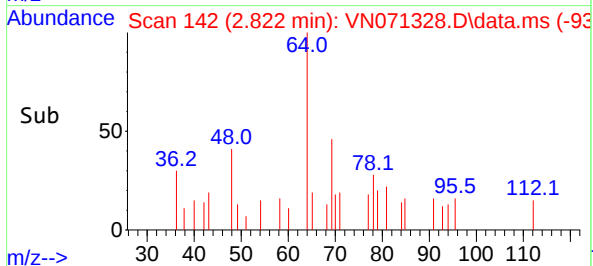
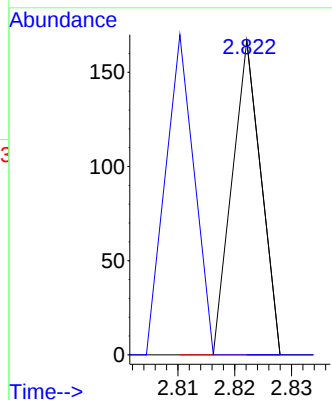
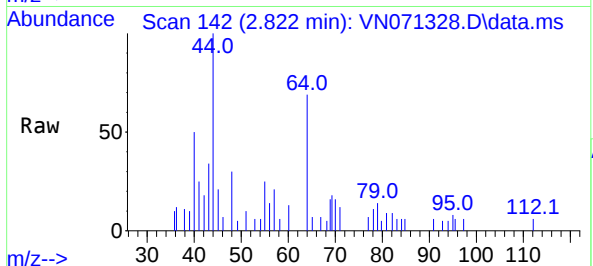




#5
Bromomethane
Concen: Below Cal
RT: 2.822 min Scan# 14
Delta R.T. -0.012 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

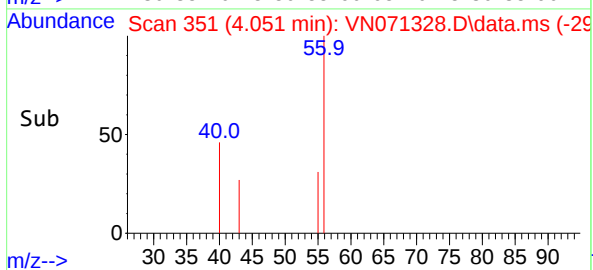
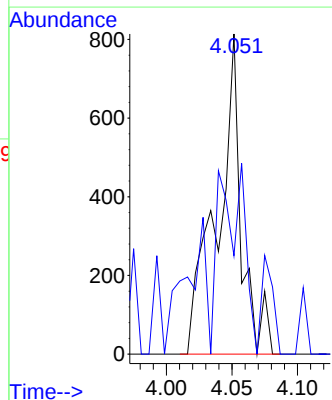
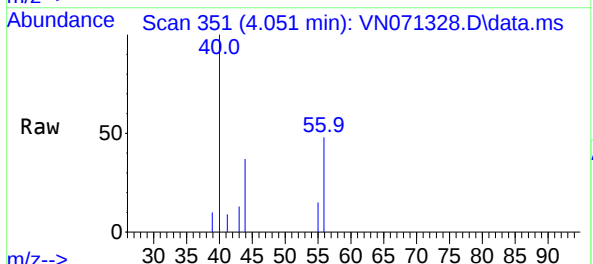
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

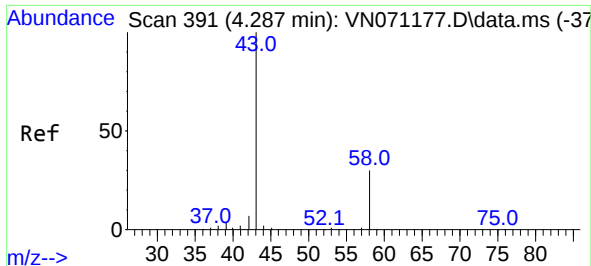
Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#13
Acrolein
Concen: 0.401 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 56 Resp: 1031
Ion Ratio Lower Upper
56 100
55 96.2 56.6 85.0#

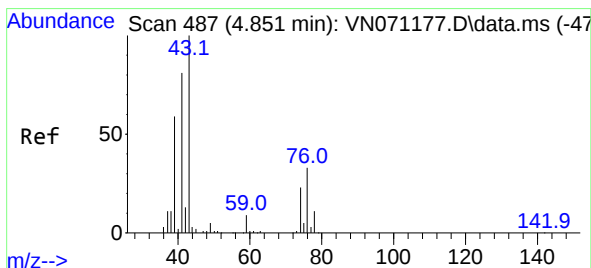
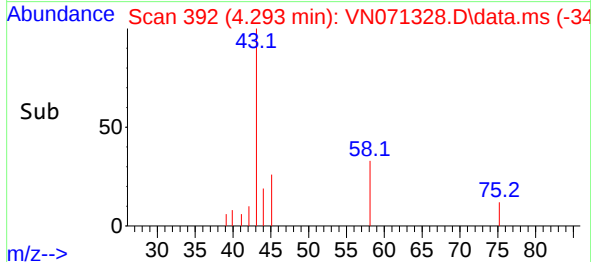
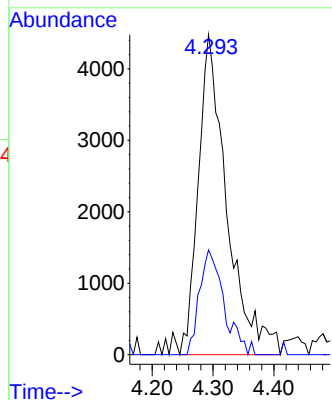
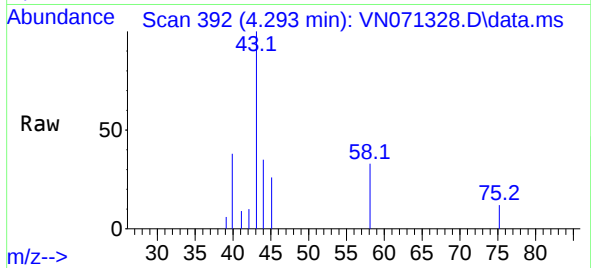




#16
Acetone
Concen: 2.423 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

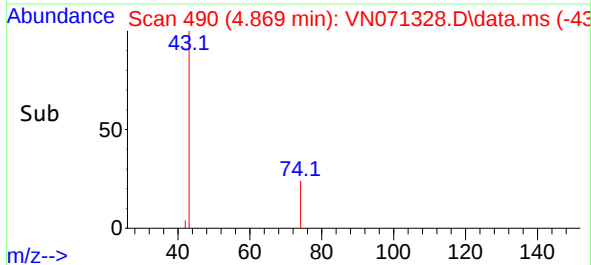
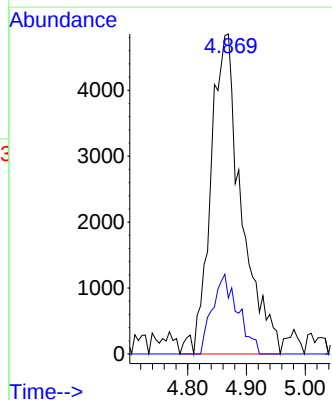
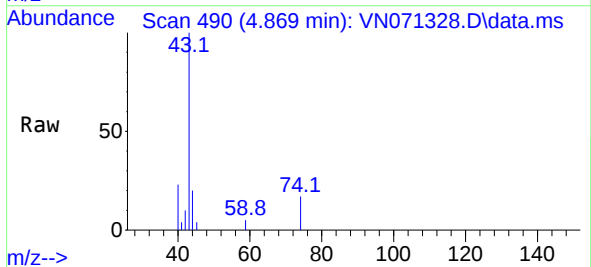
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

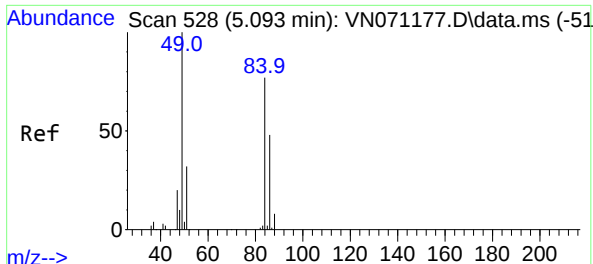
Tgt Ion: 43 Resp: 14598
Ion Ratio Lower Upper
43 100
58 32.8 23.1 34.7



#18
Methyl Acetate
Concen: 1.551 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

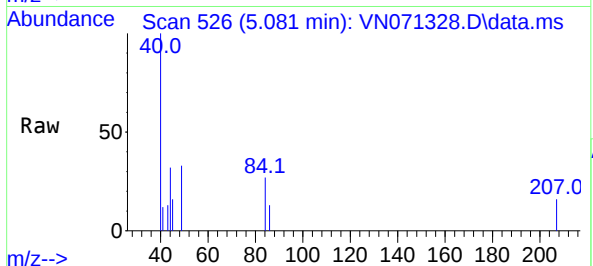
Tgt Ion: 43 Resp: 17648
Ion Ratio Lower Upper
43 100
74 20.6 19.4 29.2





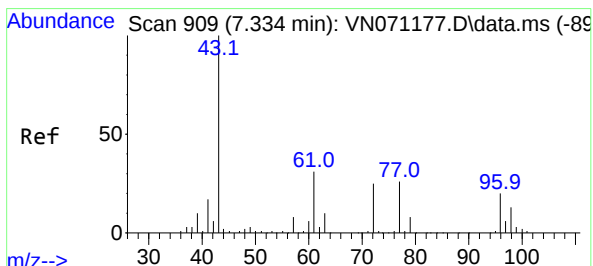
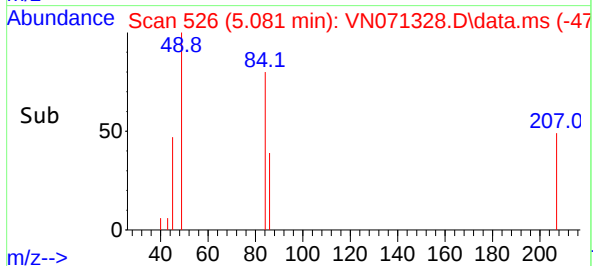
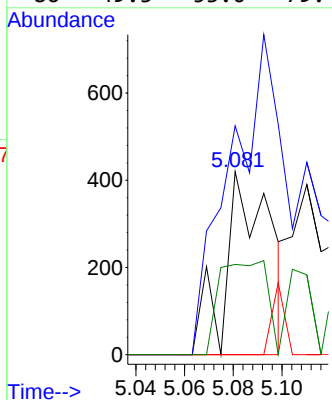
#20
Methylene Chloride
Concen: 0.430 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Instrument :
MSVOA_N
ClientSampleId :
MP-1D



Tgt Ion: 84 Resp: 536

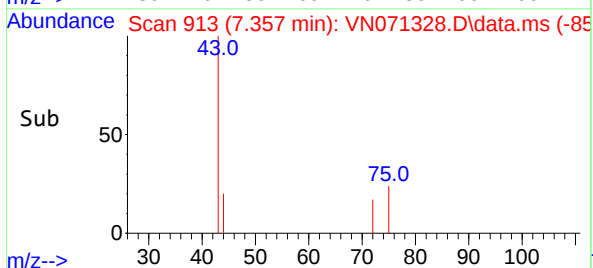
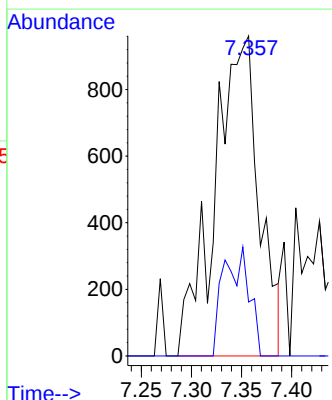
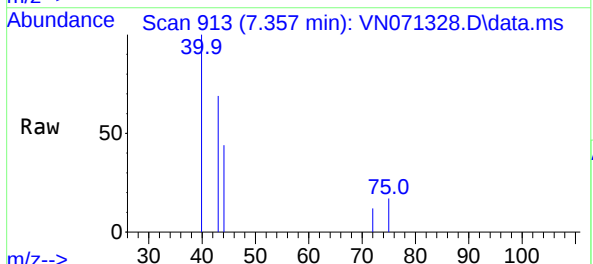
Ion	Ratio	Lower	Upper
84	100		
49	125.0	93.5	140.3
51	0.0	29.4	44.2#
86	49.3	53.0	79.4#

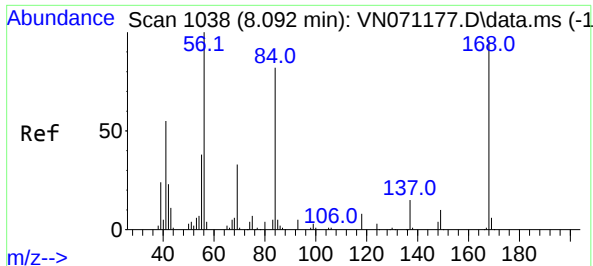


#25
2-Butanone
Concen: 0.304 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.024 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 43 Resp: 2952

Ion	Ratio	Lower	Upper
43	100		
72	16.9	21.7	32.5#





#31

Cyclohexane

Concen: 0.955 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071328.D

Acq: 16 Mar 2022 18:25

Instrument :

MSVOA_N

ClientSampleId :

MP-1D

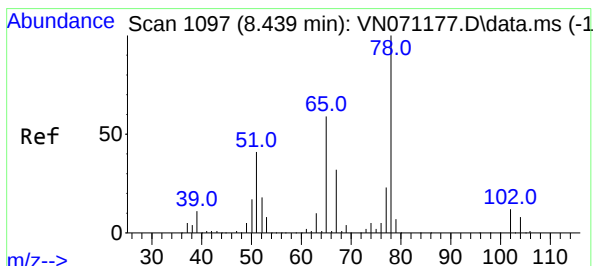
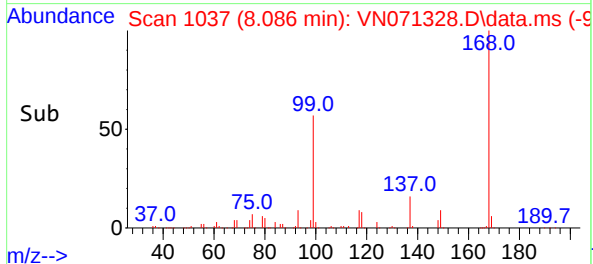
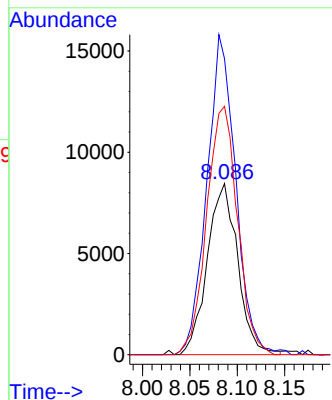
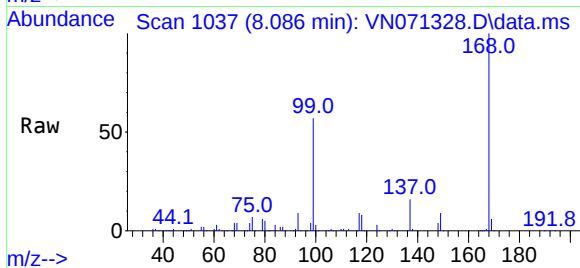
Tgt Ion: 56 Resp: 18887

Ion Ratio Lower Upper

56 100

69 170.9 27.1 40.7#

84 145.0 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.302 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071328.D

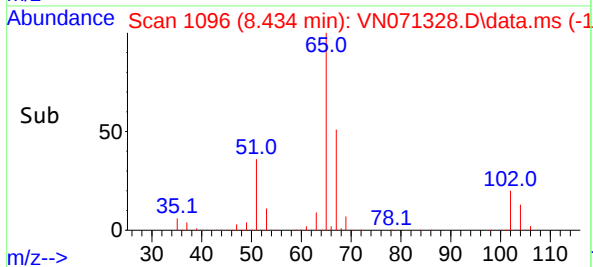
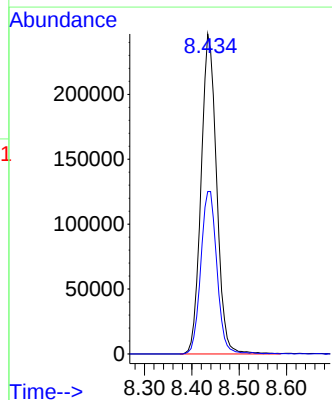
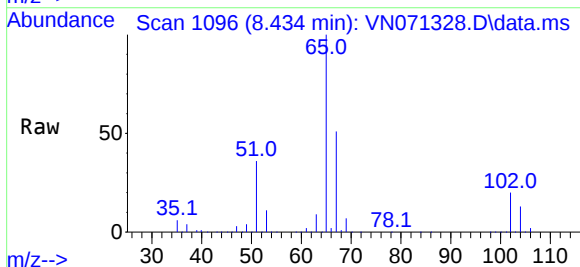
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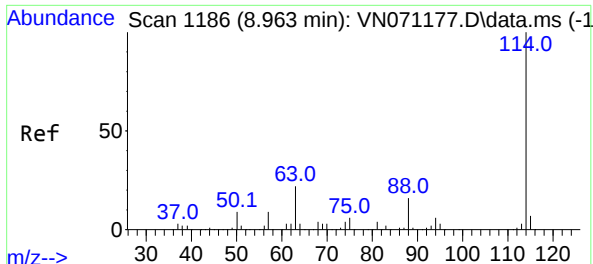
Tgt Ion: 65 Resp: 560841

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0

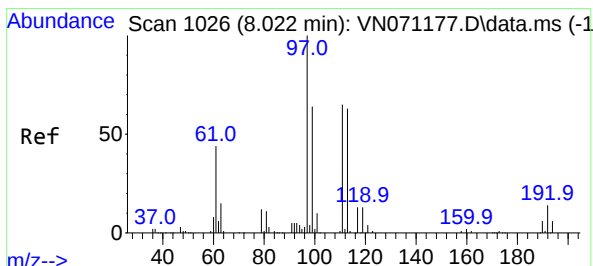
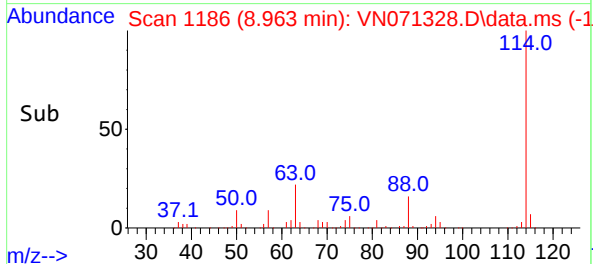
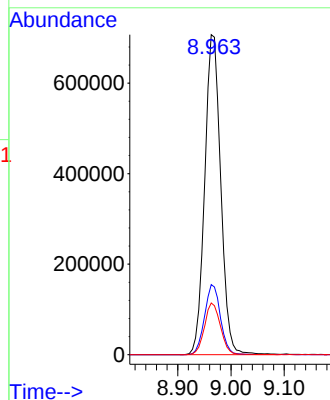
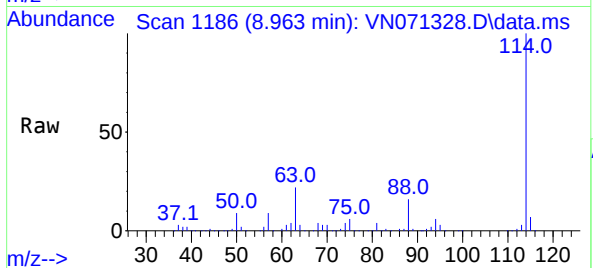




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

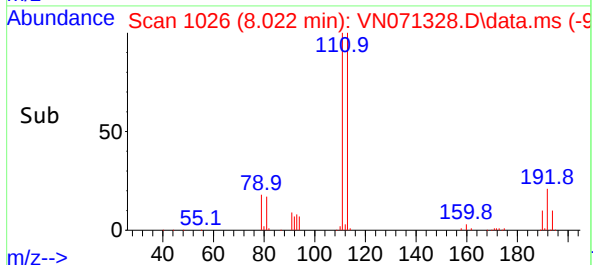
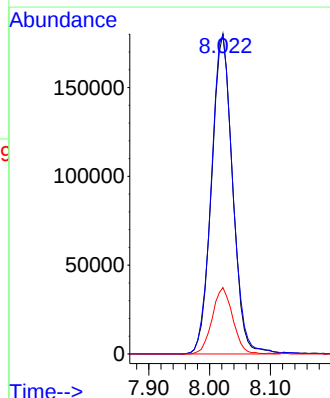
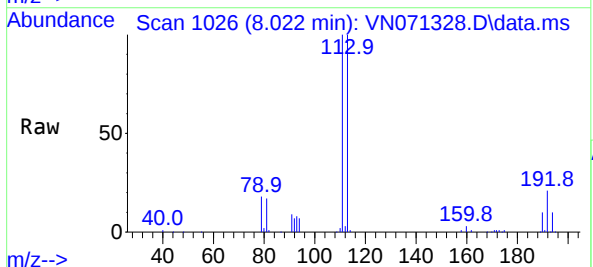
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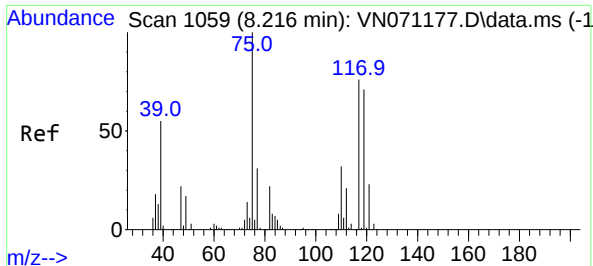
Tgt Ion:114 Resp: 1476446
Ion Ratio Lower Upper
114 100
63 21.9 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.143 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion:113 Resp: 429908
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.3 16.9 25.3

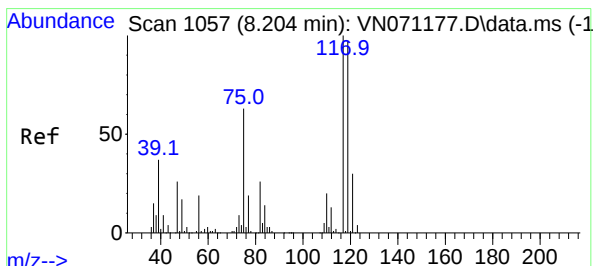
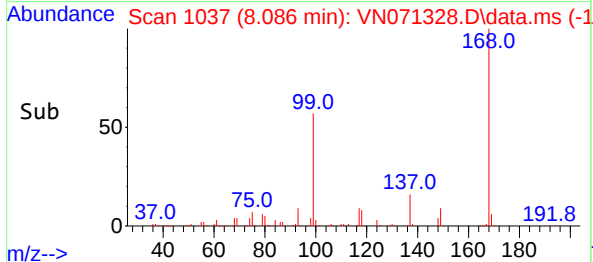
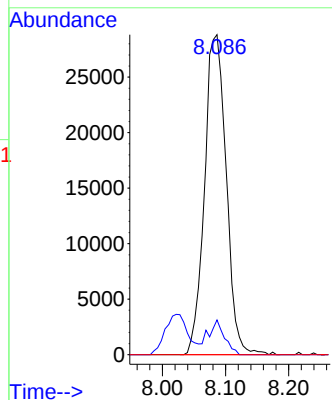
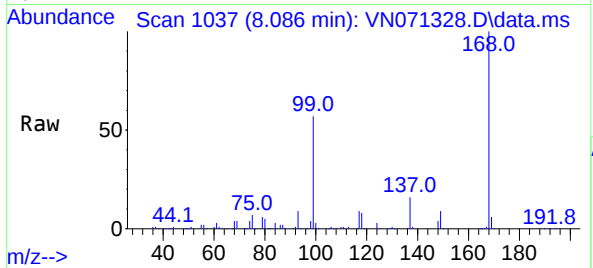




#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

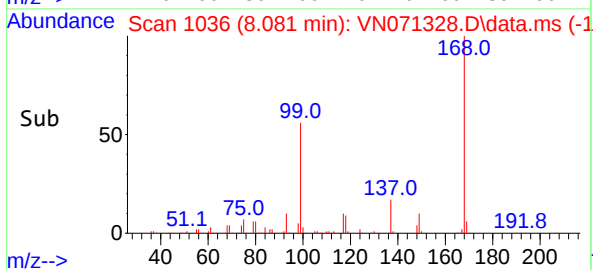
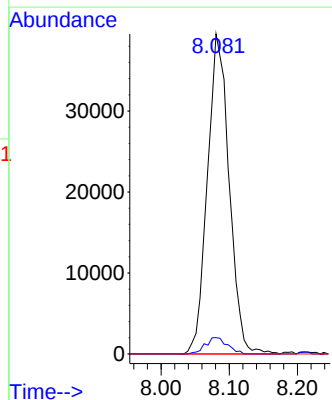
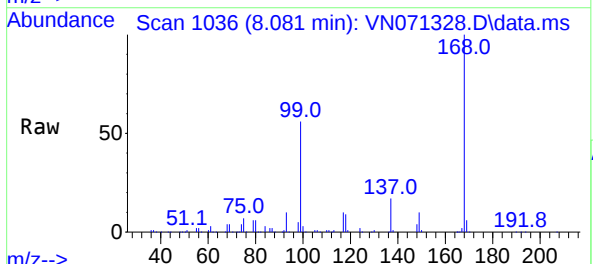
Instrument :
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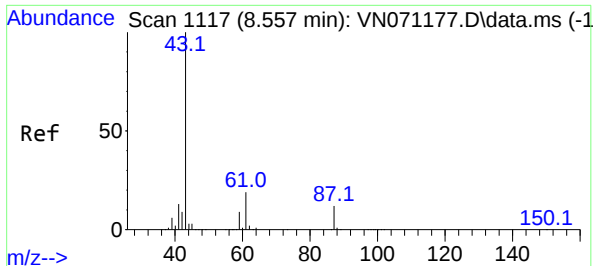
Tgt Ion: 75 Resp: 68797
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 117 Resp: 87917
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#

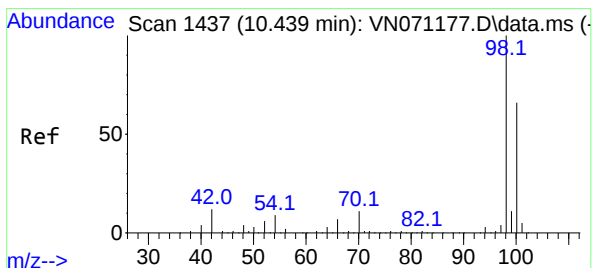
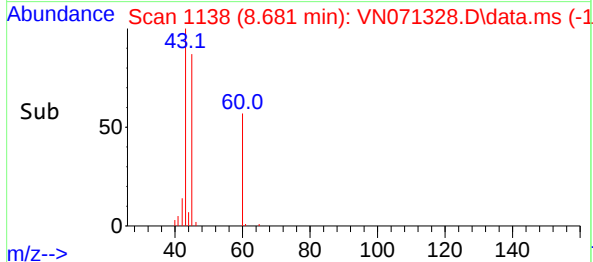
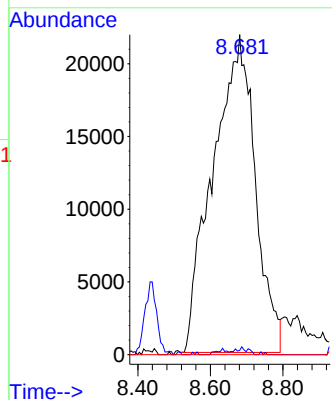
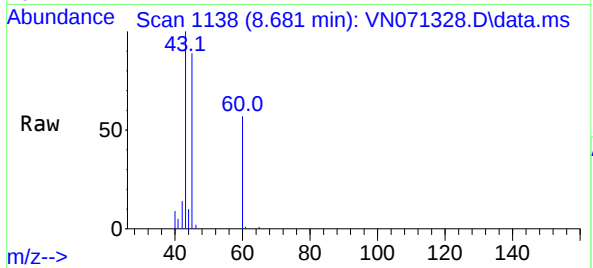




#43
Isopropyl Acetate
Concen: 5.750 ug/l
RT: 8.681 min Scan# 1117
Delta R.T. 0.124 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

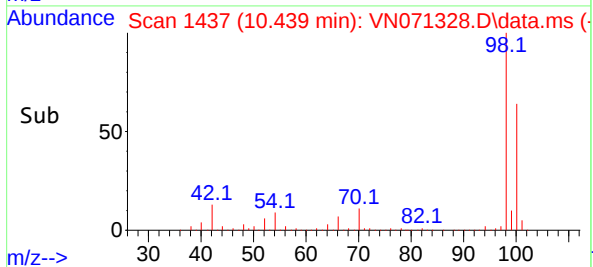
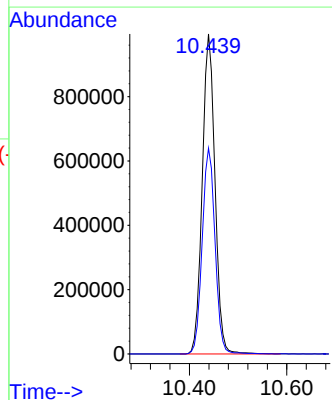
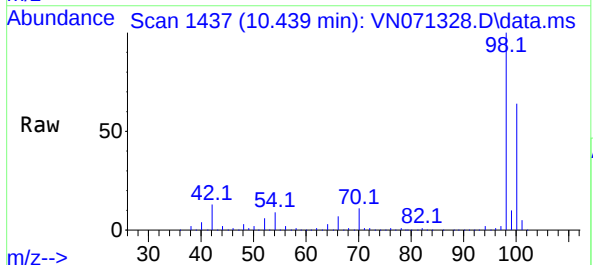
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

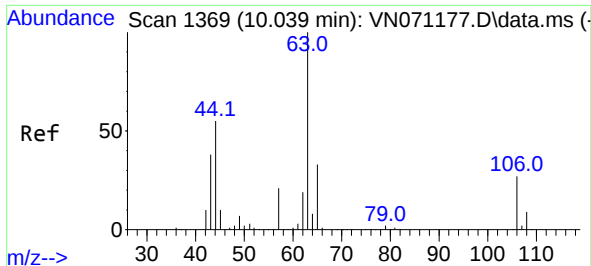
Tgt Ion: 43 Resp: 176662
Ion Ratio Lower Upper
43 100
61 0.3 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.130 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 98 Resp: 1805482
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6

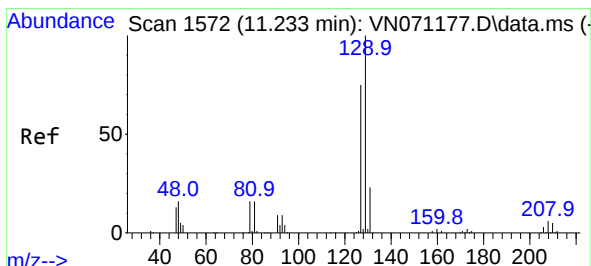
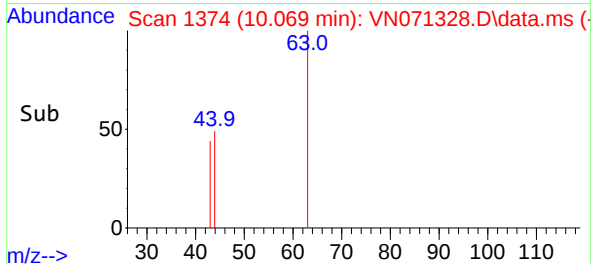
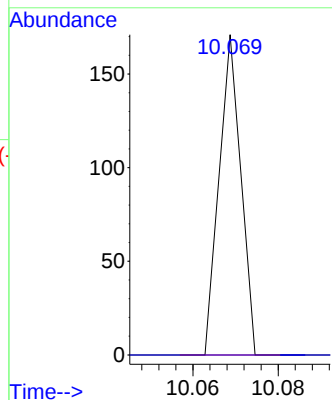
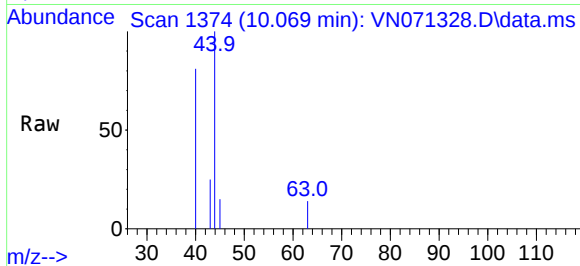




#58
2-Chloroethyl Vinyl ether
Concen: 27.879 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

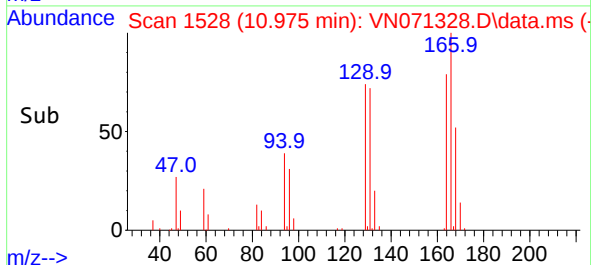
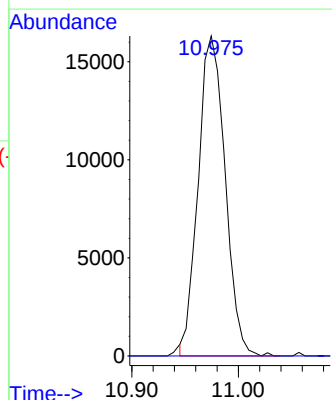
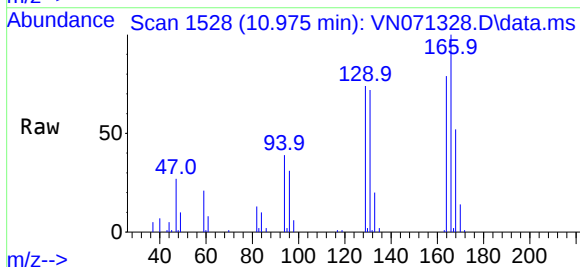
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

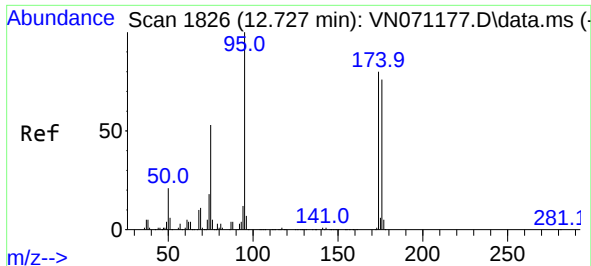
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.599 ug/l
RT: 10.975 min Scan# 1528
Delta R.T. -0.258 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 129 Resp: 28663
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

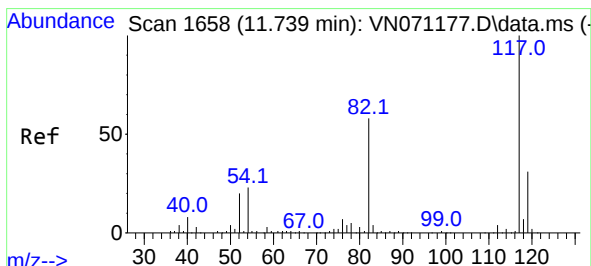
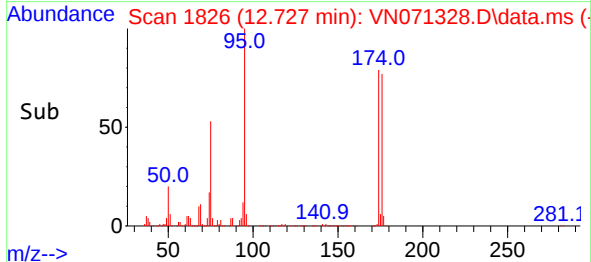
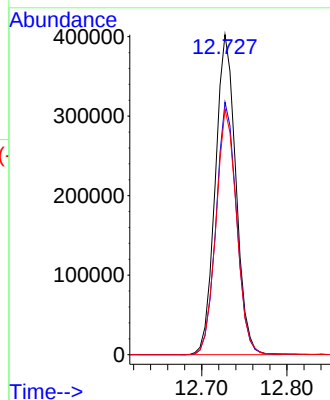
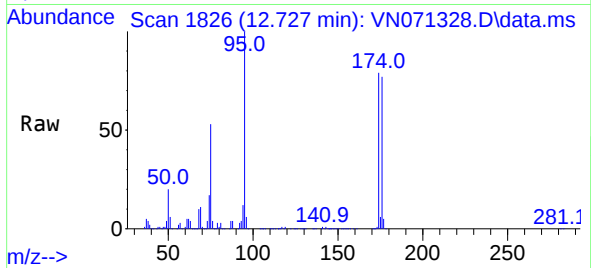




#62
4-Bromofluorobenzene
Concen: 53.154 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

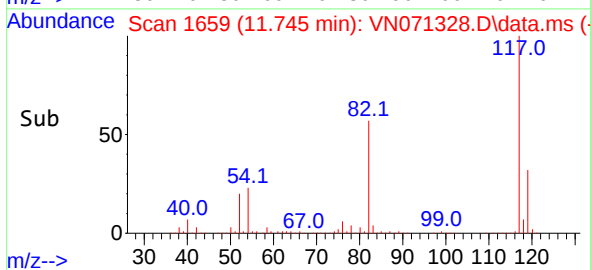
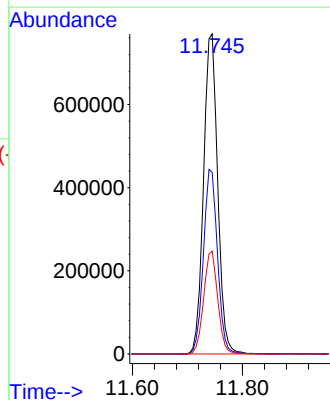
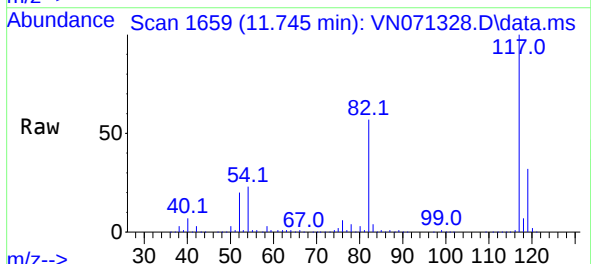
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

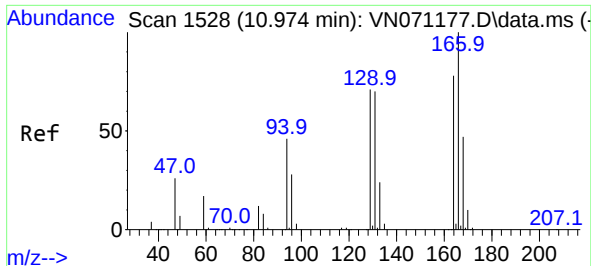
Tgt Ion: 95 Resp: 675196
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 77.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 117 Resp: 1375539
Ion Ratio Lower Upper
117 100
82 56.7 42.4 63.6
119 32.1 25.4 38.2



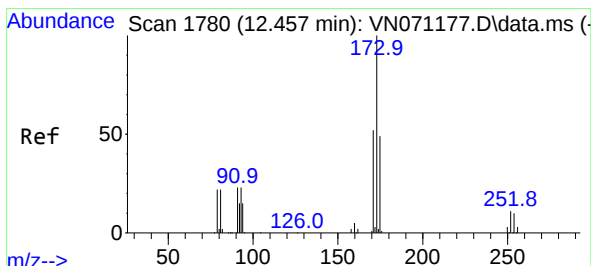
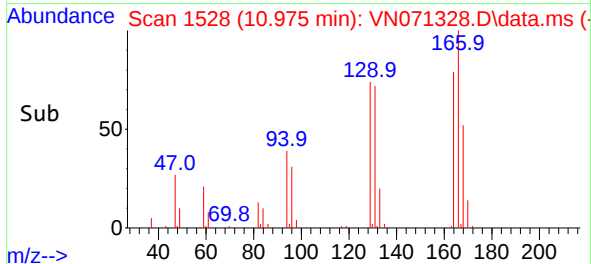
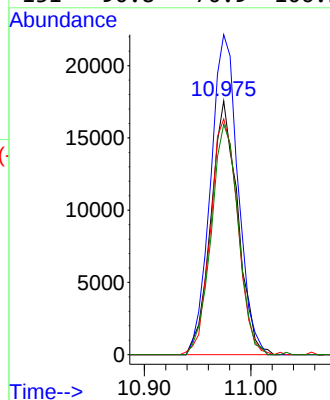
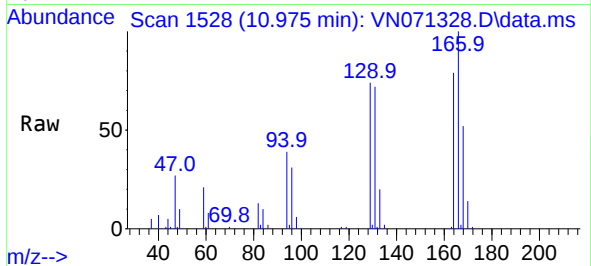


#64
Tetrachloroethene
Concen: 3.206 ug/l
RT: 10.975 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Instrument :
MSVOA_N
ClientSampleId :
MP-1D

Tgt Ion:164 Resp: 30759

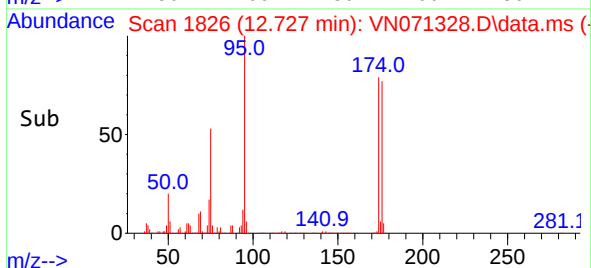
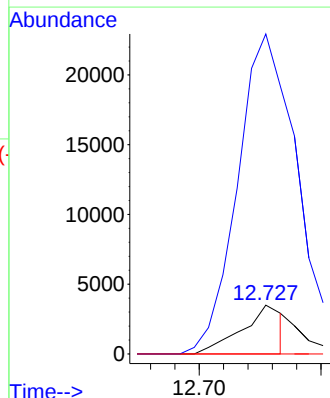
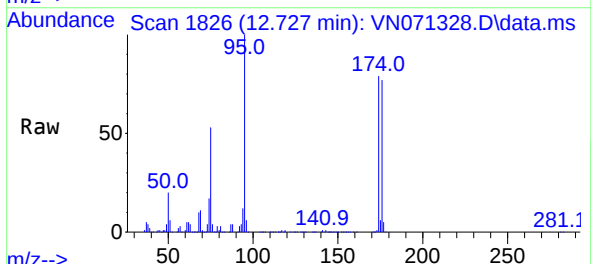
Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.9	152.9
129	92.9	72.0	108.0
131	90.8	70.9	106.3

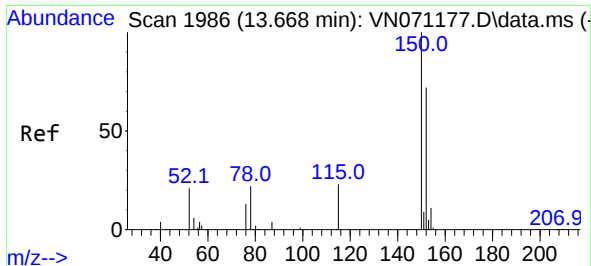


#71
Bromoform
Concen: 0.494 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion:173 Resp: 4060

Ion	Ratio	Lower	Upper
173	100		
175	717.6	24.2	72.6#
254	0.0	0.0	0.0

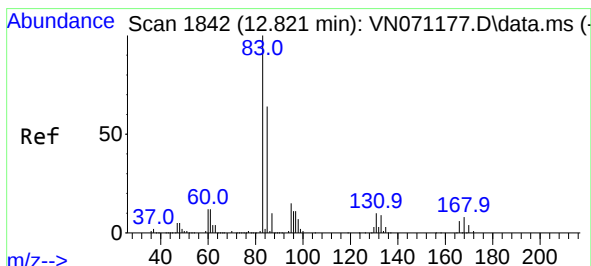
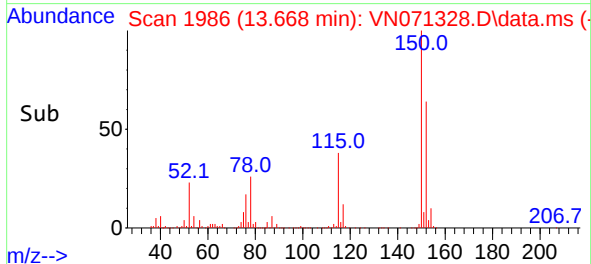
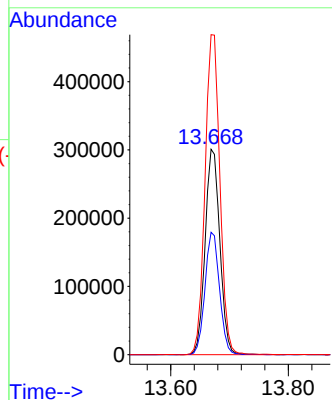
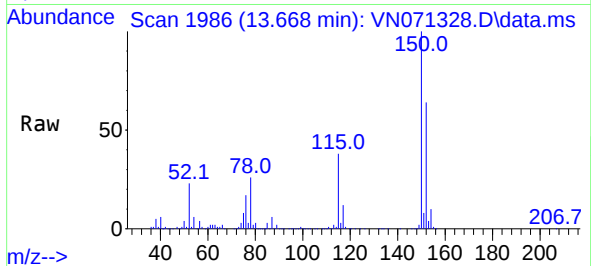




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

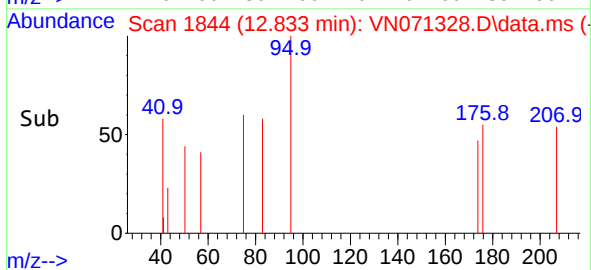
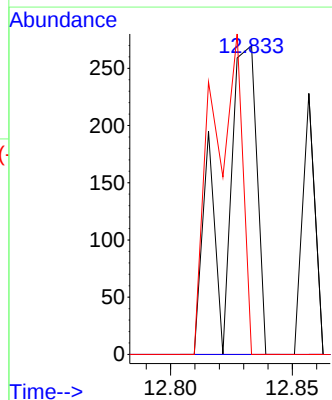
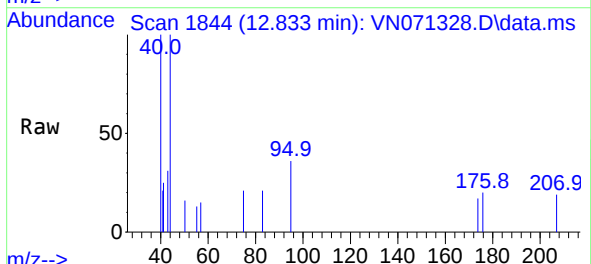
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

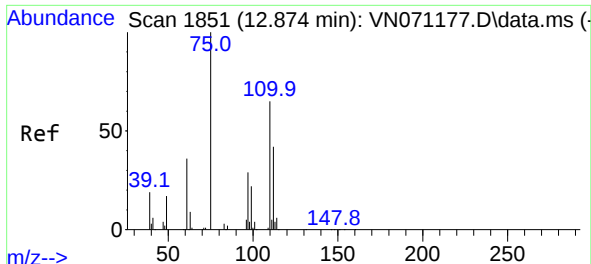
Tgt Ion:152 Resp: 523447
Ion Ratio Lower Upper
152 100
115 58.9 27.5 82.5
150 157.2 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.833 min Scan# 1844
Delta R.T. 0.012 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 83 Resp: 256
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 93.0 32.4 97.2

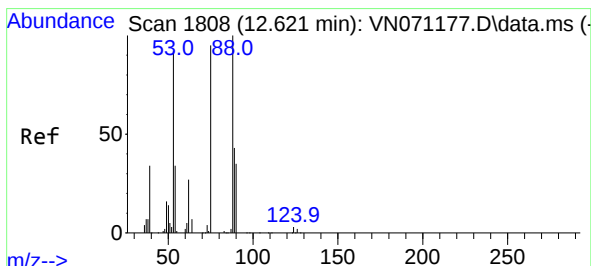
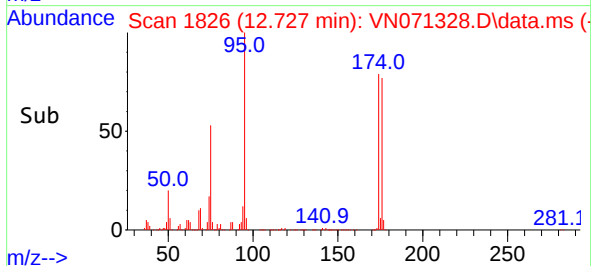
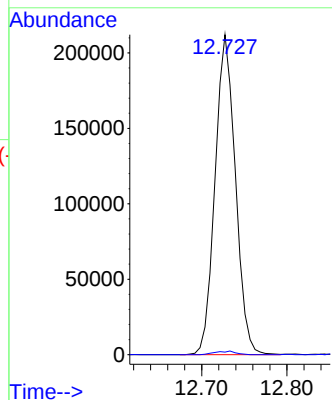
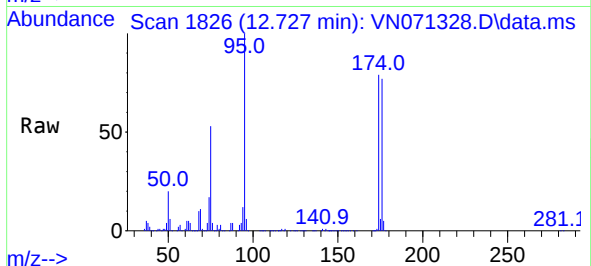




#76
1,2,3-Trichloropropane
Concen: 26.475 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

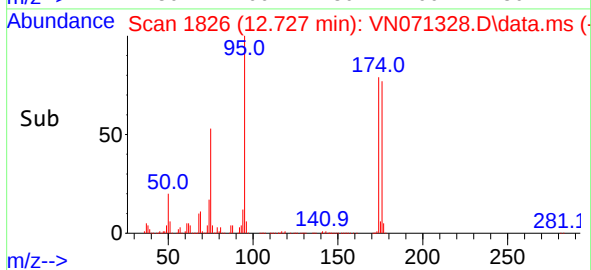
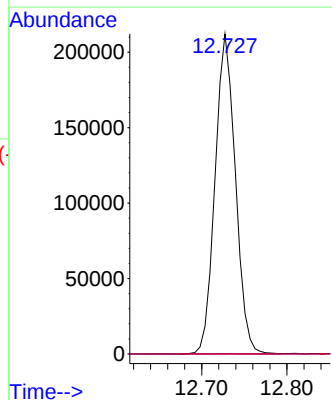
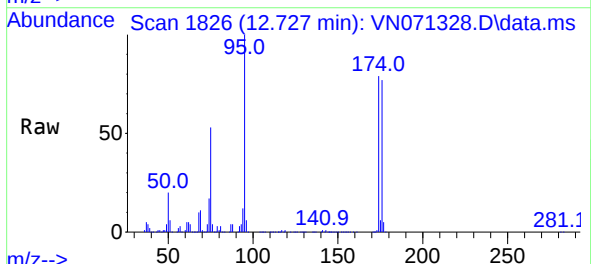
Instrument :
MSVOA_N
ClientSampleId :
MP-1D

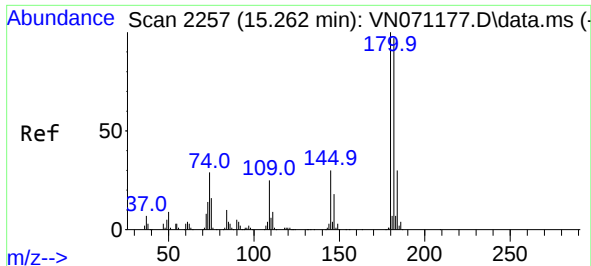
Tgt Ion: 75 Resp: 352721
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.842 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071328.D
Acq: 16 Mar 2022 18:25

Tgt Ion: 75 Resp: 352721
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.102 ug/l

RT: 15.251 min Scan# 21

Delta R.T. -0.011 min

Lab File: VN071328.D

Acq: 16 Mar 2022 18:25

Instrument :

MSVOA_N

ClientSampleId :

MP-1D

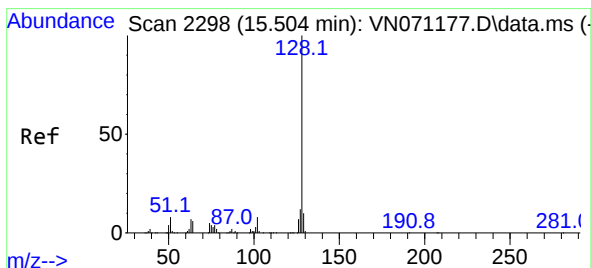
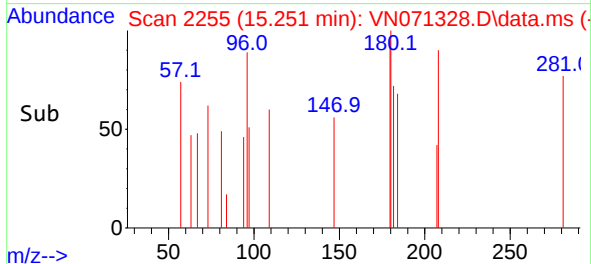
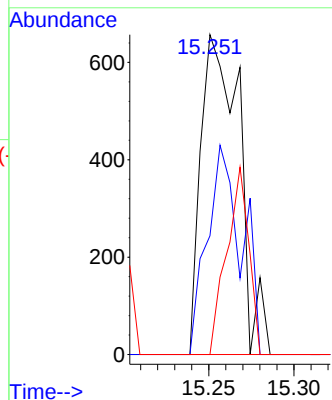
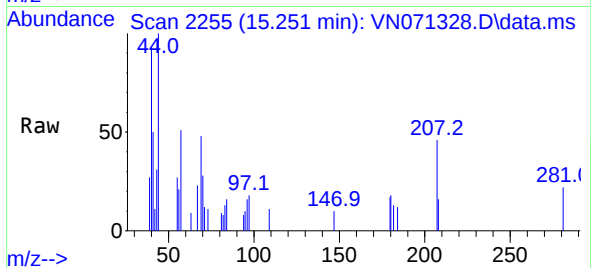
Tgt Ion:180 Resp: 1027

Ion Ratio Lower Upper

180 100

182 58.5 48.3 144.9

145 33.7 14.5 43.5



#95

Naphthalene

Concen: 5.253 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VN071328.D

Acq: 16 Mar 2022 18:25

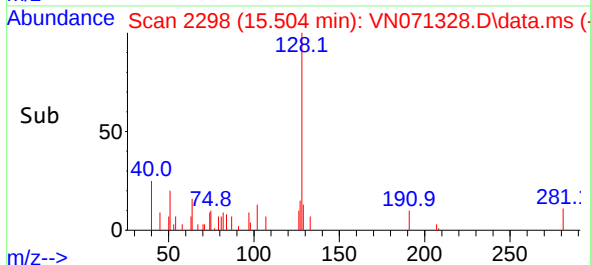
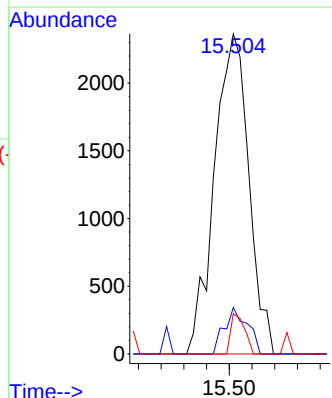
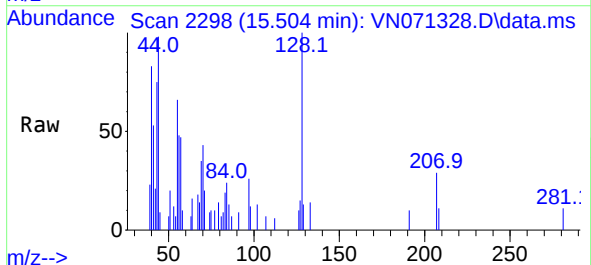
Tgt Ion:128 Resp: 4961

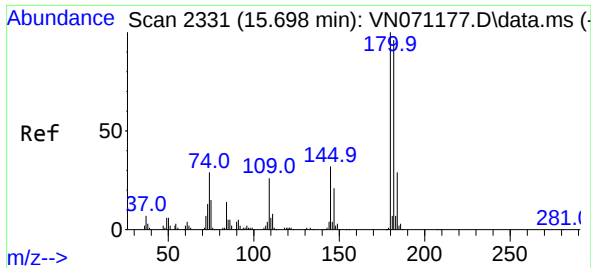
Ion Ratio Lower Upper

128 100

127 9.8 10.5 15.7#

129 5.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.841 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071328.D
 Acq: 16 Mar 2022 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-1D

Tgt Ion	Ratio	Lower	Upper
180	100		
182	137.3	47.4	142.2
145	52.5	15.0	45.1

