

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071728.D
 Acq On : 01 Apr 2022 01:38
 Operator : JC\MD
 Sample : N2090-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB032322

Quant Time: Apr 01 06:04:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.087	168	640100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1099257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1084554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	385244	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	367065	50.231	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.460%
35) Dibromofluoromethane	8.022	113	313553	48.474	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.940%
50) Toluene-d8	10.439	98	1355059	51.209	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.420%
62) 4-Bromofluorobenzene	12.727	95	443164	51.784	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.560%

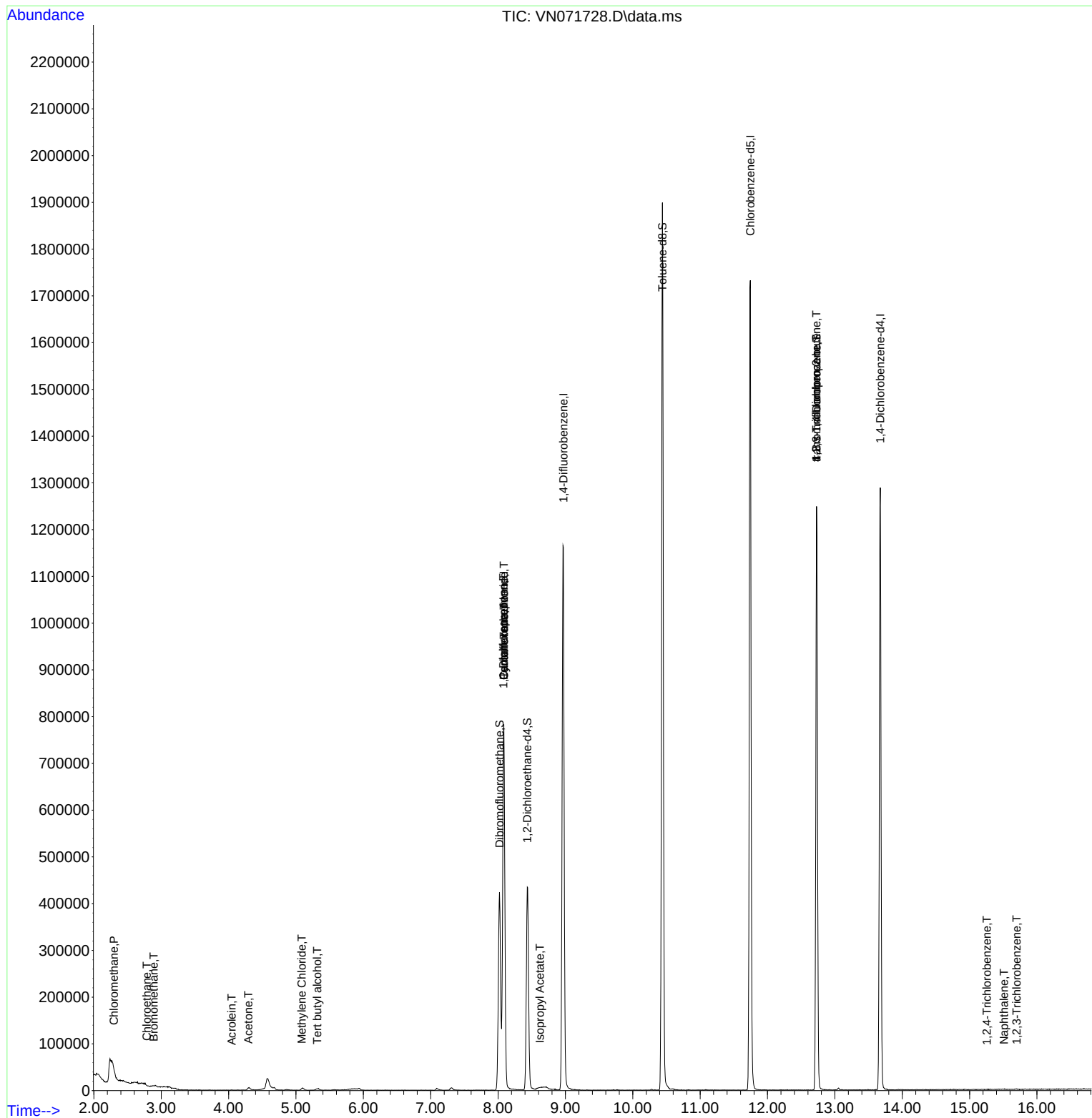
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	3170	0.492	ug/l	95
5) Bromomethane	2.887	94	1605	0.349	ug/l #	65
6) Chloroethane	2.787	64	3162	0.621	ug/l #	74
11) Tert butyl alcohol	5.316	59	1774	1.496	ug/l #	72
13) Acrolein	4.046	56	299	0.207	ug/l #	79
16) Acetone	4.293	43	7040	2.254	ug/l	97
18) Methyl Acetate	4.863	43	3073	Below Cal	#	66
20) Methylene Chloride	5.087	84	3798	0.577	ug/l #	86
31) Cyclohexane	8.087	56	11082	1.115	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	44907	4.971	ug/l #	48
38) Carbon Tetrachloride	8.087	117	57959	6.547	ug/l #	17
43) Isopropyl Acetate	8.622	43	6130	0.373	ug/l #	53
76) 1,2,3-Trichloropropane	12.727	75	217492	24.370	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	217492	75.523	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	390	2.147	ug/l #	23
95) Naphthalene	15.510	128	1217	3.867	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	421	2.482	ug/l #	31

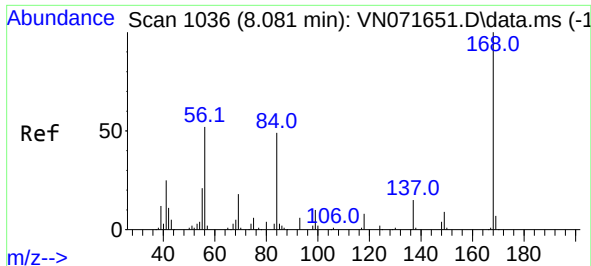
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

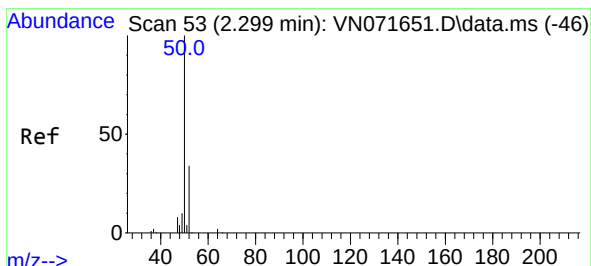
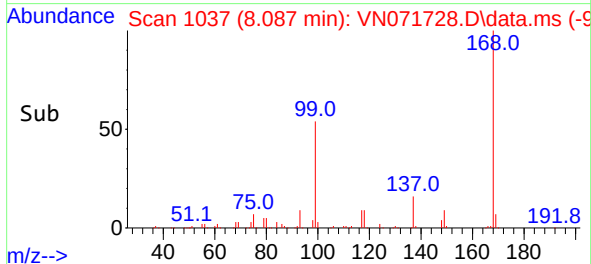
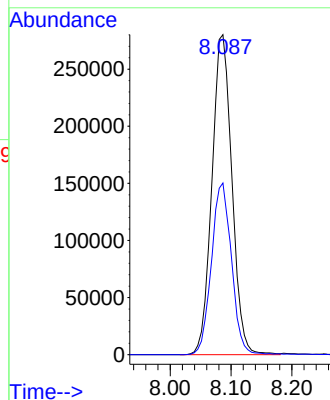
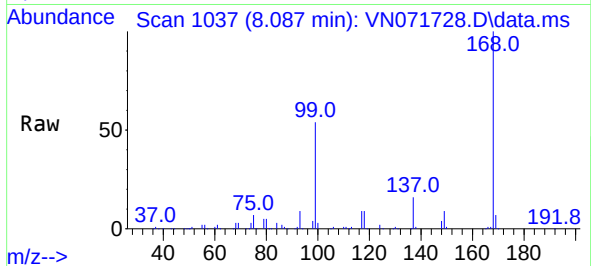




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

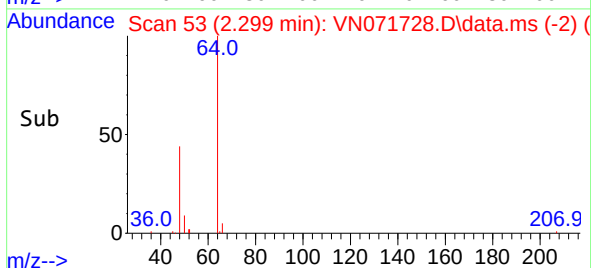
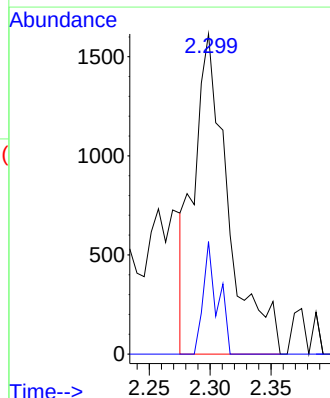
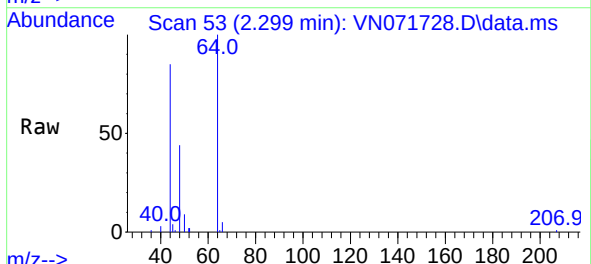
Instrument :
MSVOA_N
ClientSampleId :
FB032322

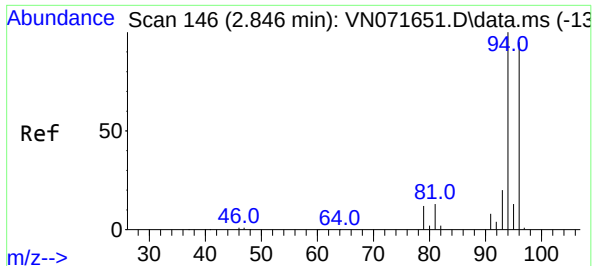
Tgt Ion:168 Resp: 640100
Ion Ratio Lower Upper
168 100
99 53.7 42.3 63.5



#3
Chloromethane
Concen: 0.492 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Tgt Ion: 50 Resp: 3170
Ion Ratio Lower Upper
50 100
52 35.1 25.7 38.5

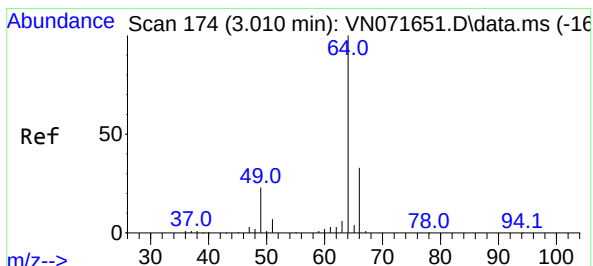
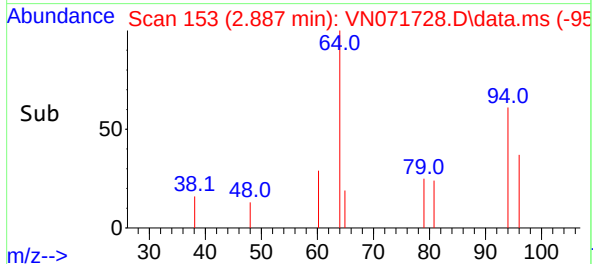
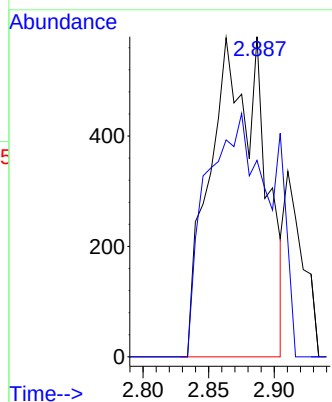
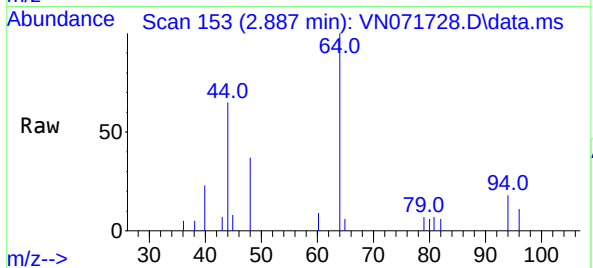




#5
Bromomethane
Concen: 0.349 ug/l
RT: 2.887 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

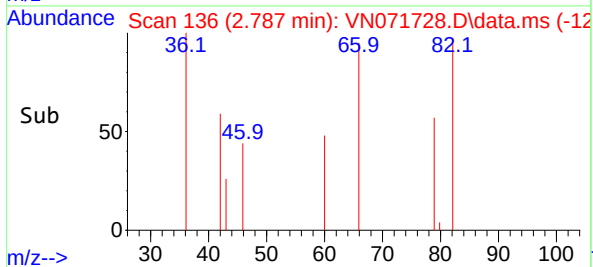
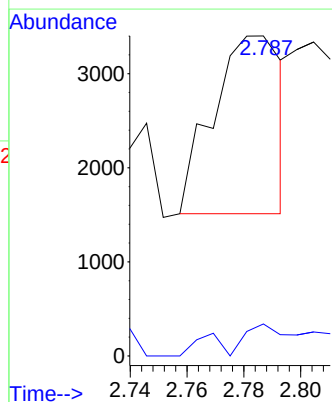
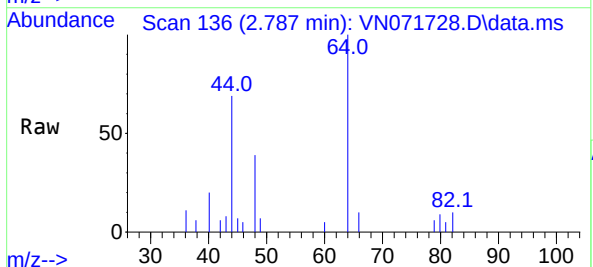
Instrument :
MSVOA_N
ClientSampleId :
FB032322

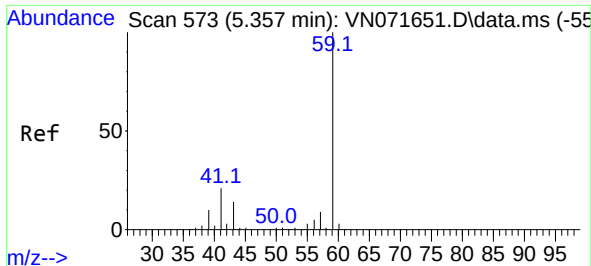
Tgt Ion: 94 Resp: 1605
Ion Ratio Lower Upper
94 100
96 61.4 76.0 114.0#



#6
Chloroethane
Concen: 0.621 ug/l
RT: 2.787 min Scan# 136
Delta R.T. -0.223 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Tgt Ion: 64 Resp: 3162
Ion Ratio Lower Upper
64 100
66 18.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 1.496 ug/l

RT: 5.316 min Scan# 5

Delta R.T. -0.041 min

Lab File: VN071728.D

Acq: 01 Apr 2022 01:38

Instrument :

MSVOA_N

ClientSampleId :

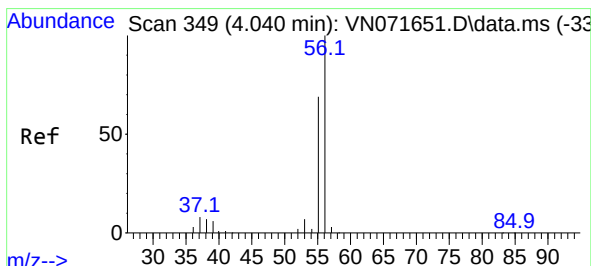
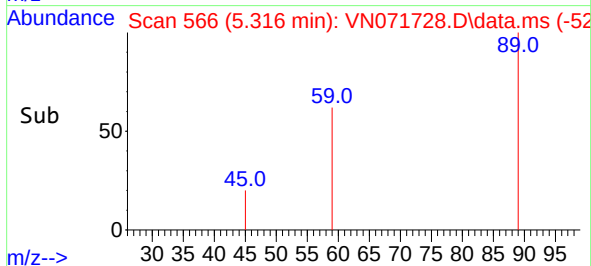
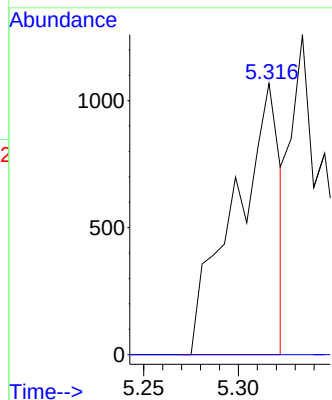
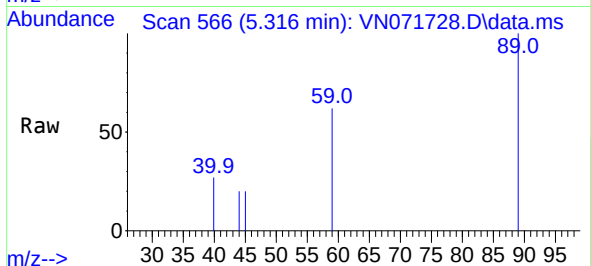
FB032322

Tgt Ion: 59 Resp: 1774

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.207 ug/l

RT: 4.046 min Scan# 350

Delta R.T. 0.006 min

Lab File: VN071728.D

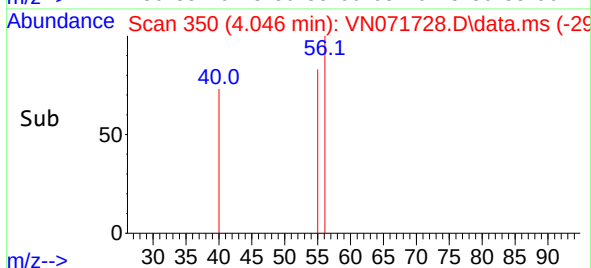
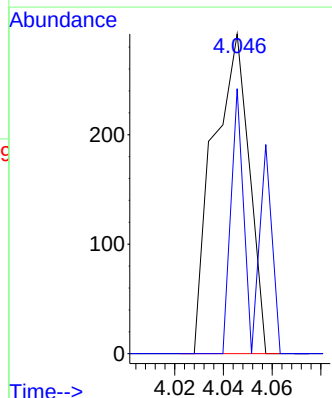
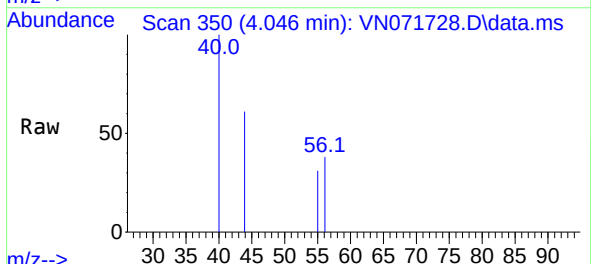
Acq: 01 Apr 2022 01:38

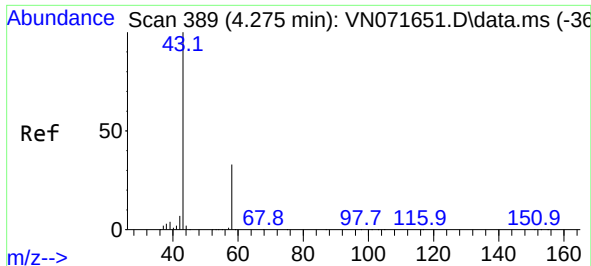
Tgt Ion: 56 Resp: 299

Ion Ratio Lower Upper

56 100

55 51.2 54.8 82.2#

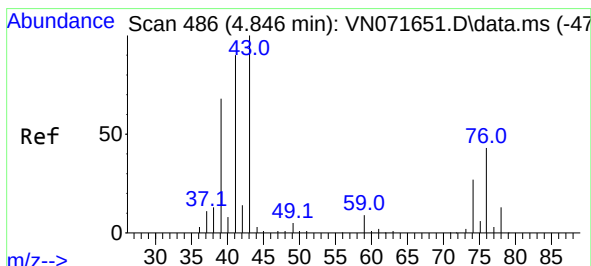
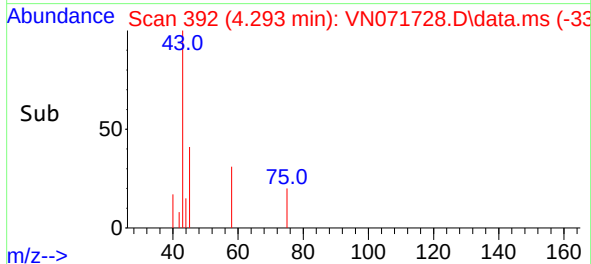
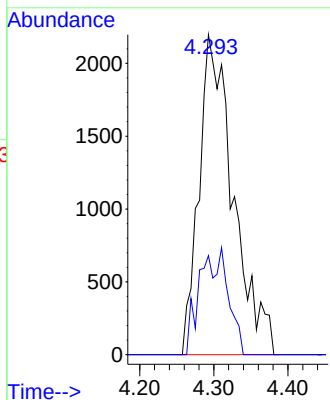
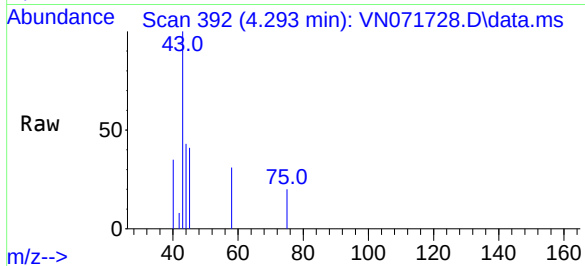




#16
Acetone
Concen: 2.254 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

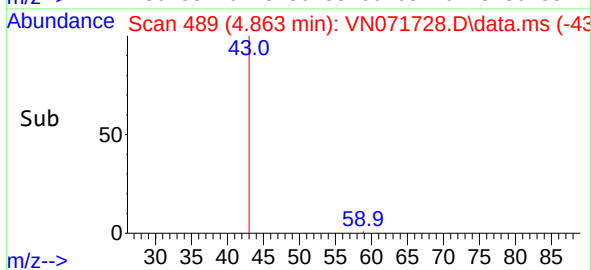
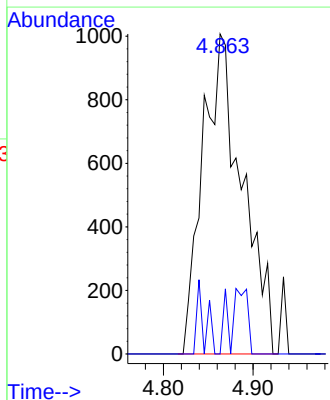
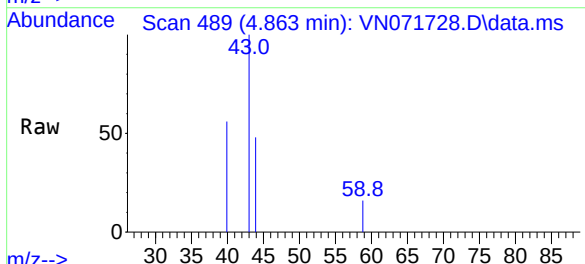
Instrument :
MSVOA_N
ClientSampleId :
FB032322

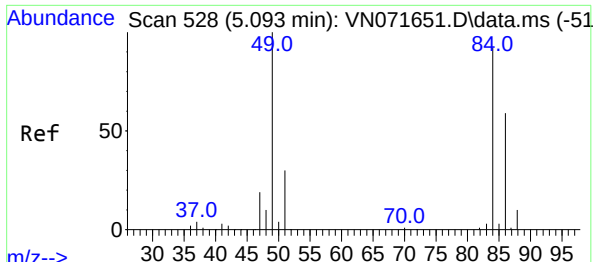
Tgt Ion: 43 Resp: 7040
Ion Ratio Lower Upper
43 100
58 31.0 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

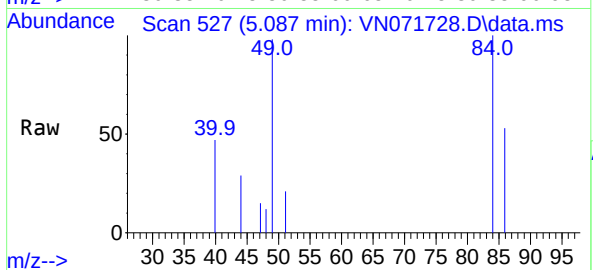
Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
74 9.2 21.6 32.4#





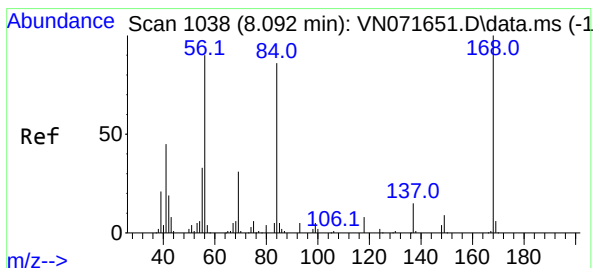
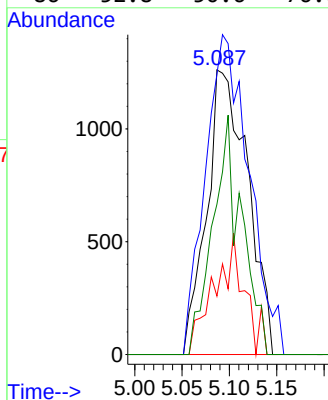
#20
Methylene Chloride
Concen: 0.577 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Instrument :
MSVOA_N
ClientSampleId :
FB032322



Tgt Ion: 84 Resp: 3798

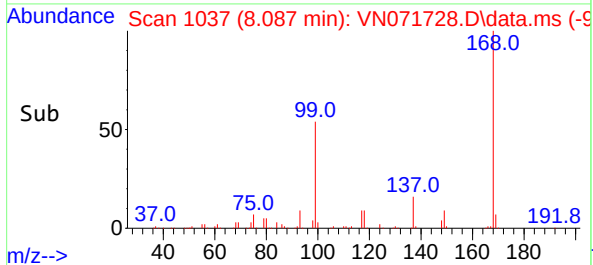
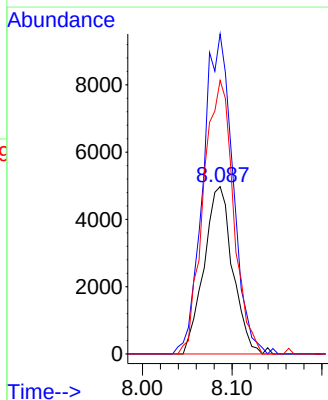
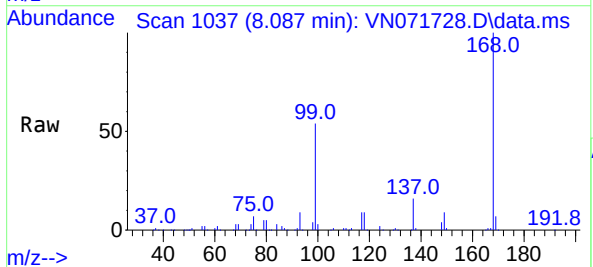
Ion	Ratio	Lower	Upper
84	100		
49	98.5	88.3	132.5
51	20.5	28.2	42.2#
86	52.8	50.6	76.0

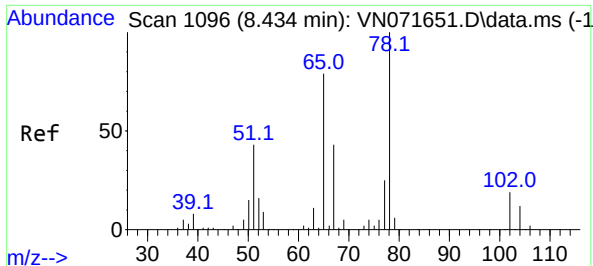


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Tgt Ion: 56 Resp: 11082

Ion	Ratio	Lower	Upper
56	100		
69	191.2	27.8	41.8#
84	163.5	76.9	115.3#

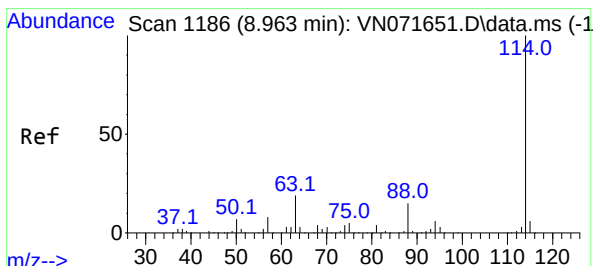
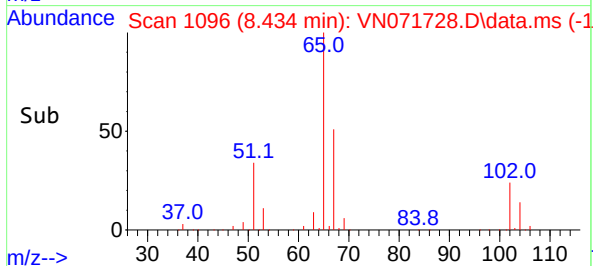
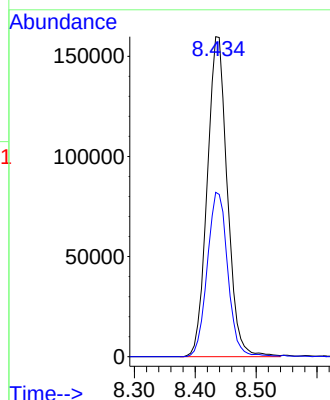
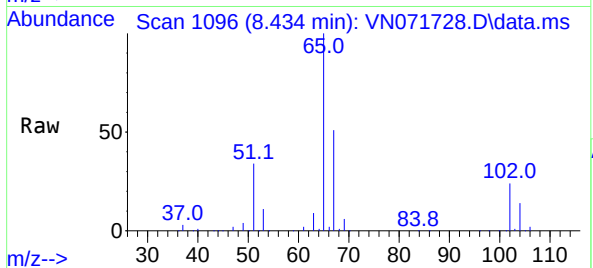




#33
1,2-Dichloroethane-d4
Concen: 50.231 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

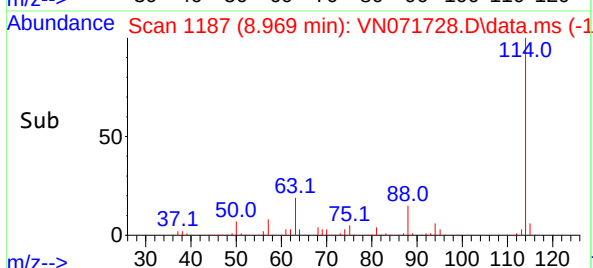
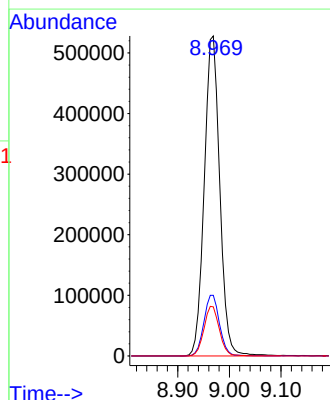
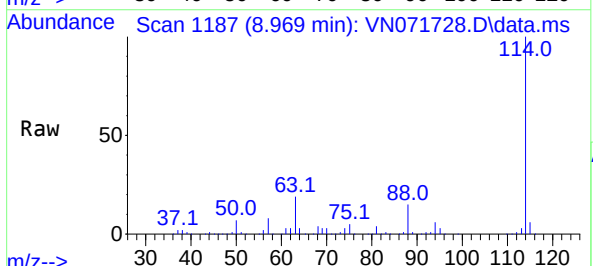
Instrument :
MSVOA_N
ClientSampleId :
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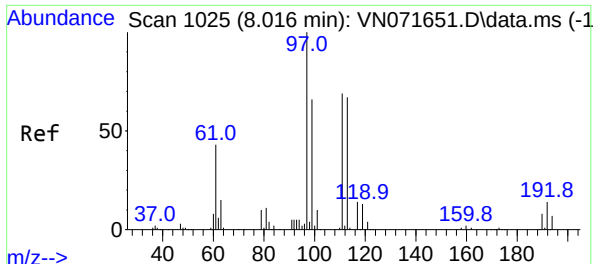
Tgt Ion: 65 Resp: 367065
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Tgt Ion:114 Resp: 1099257
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.4 0.0 32.6

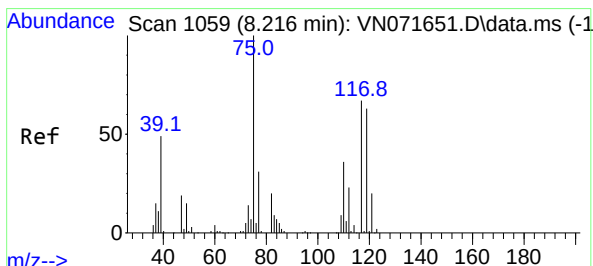
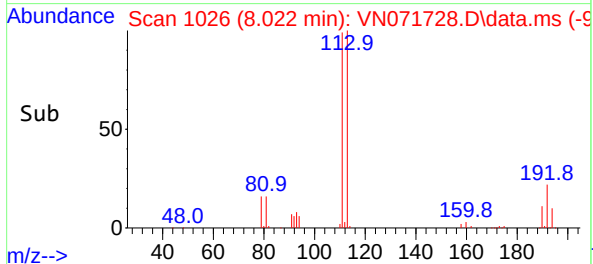
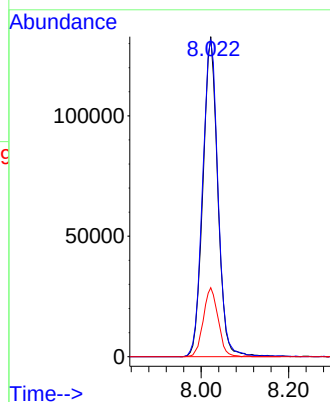
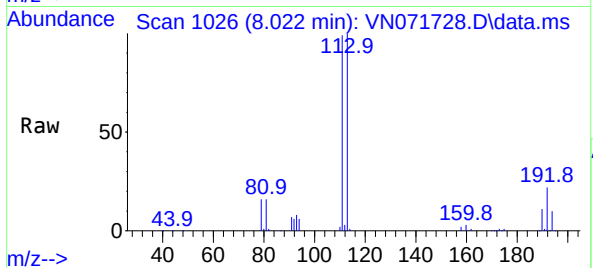




#35
Dibromofluoromethane
Concen: 48.474 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

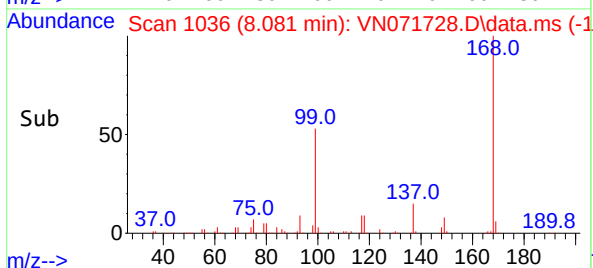
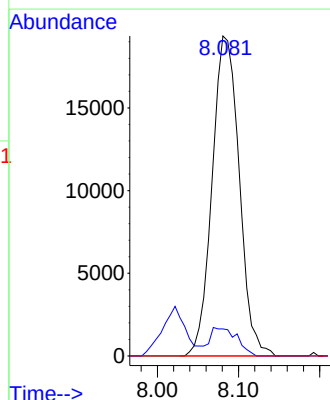
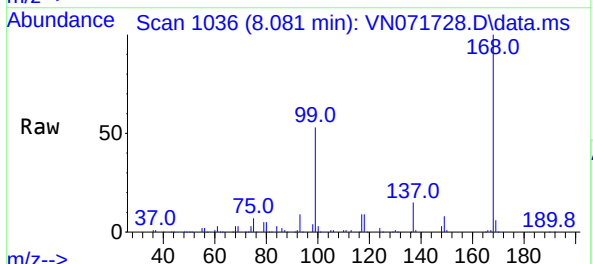
Instrument :
MSVOA_N
ClientSampleId :
FB032322

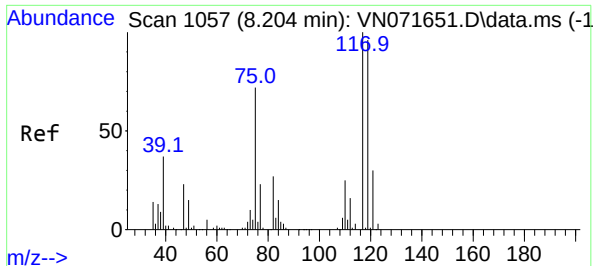
Tgt Ion:113 Resp: 313553
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

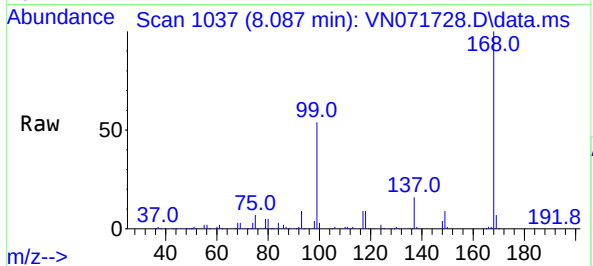
Tgt Ion: 75 Resp: 44907
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#



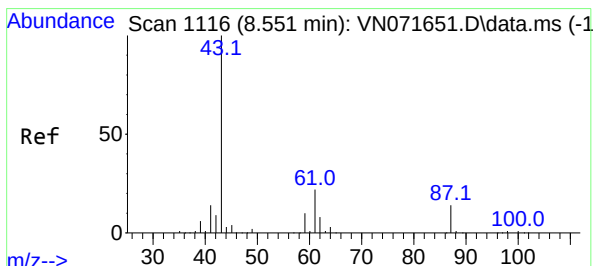
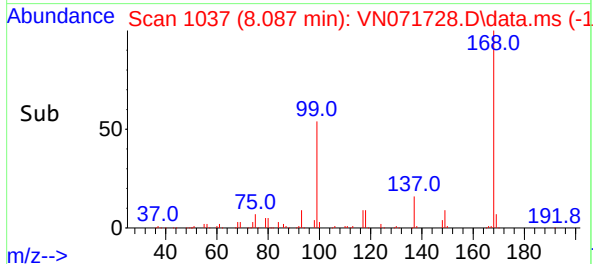
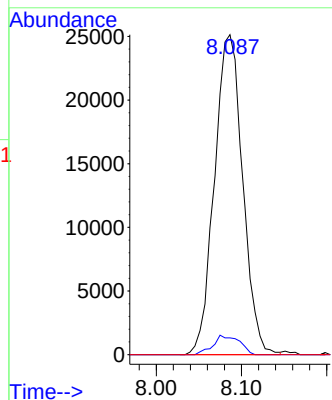


#38
Carbon Tetrachloride
Concen: 6.547 ug/l
RT: 8.087 min Scan# 1128
Delta R.T. -0.117 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Instrument :
MSVOA_N
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FB032322

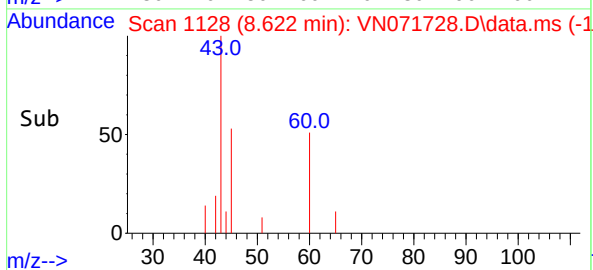
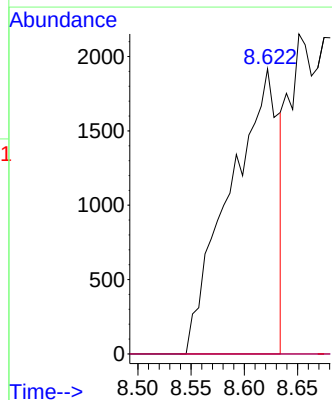
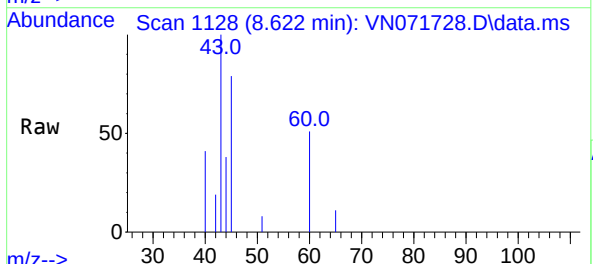


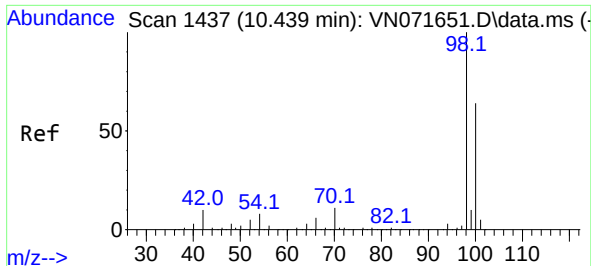
Tgt Ion:117 Resp: 57959
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.373 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.071 min
Lab File: VN071728.D
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Tgt Ion: 43 Resp: 6130
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

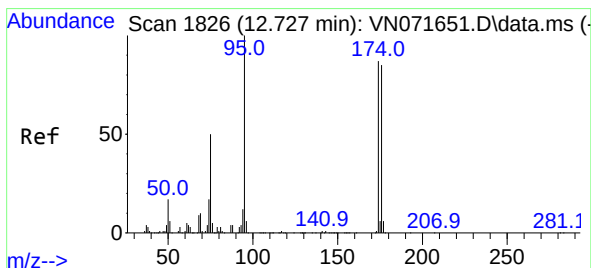
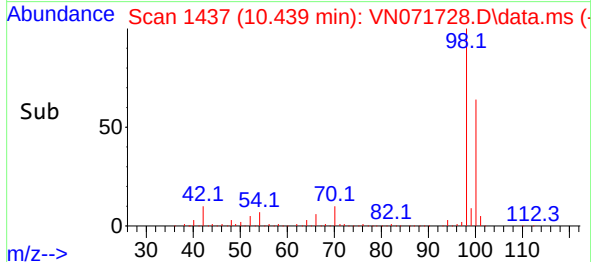
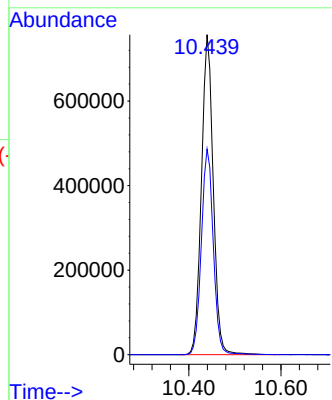
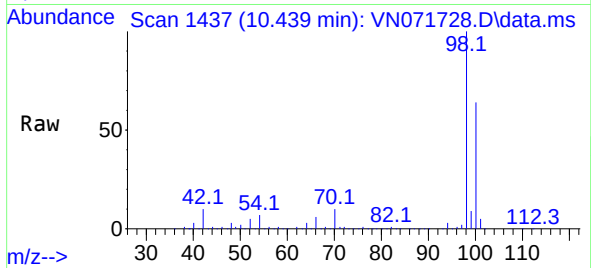




#50
Toluene-d8
Concen: 51.209 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

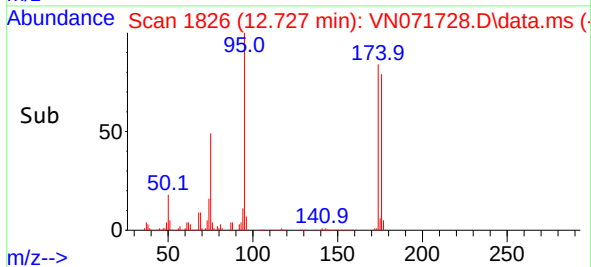
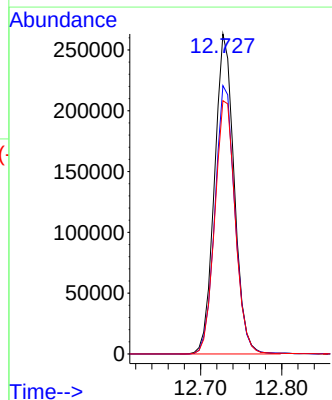
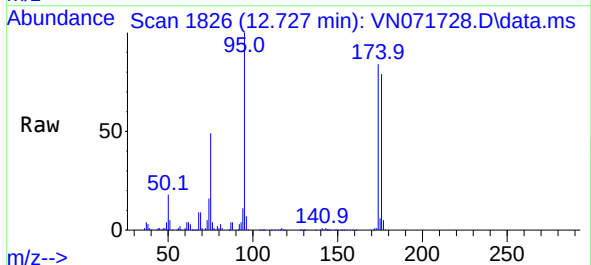
Instrument :
MSVOA_N
ClientSampleId :
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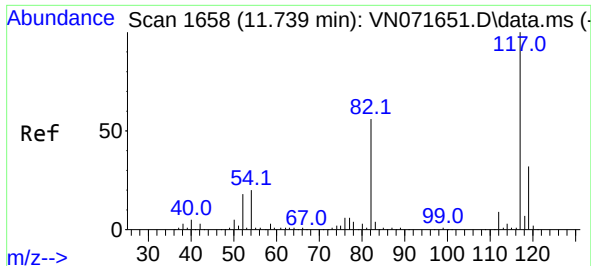
Tgt Ion: 98 Resp: 1355059
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.784 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Tgt Ion: 95 Resp: 443164
Ion Ratio Lower Upper
95 100
174 85.0 0.0 167.6
176 82.4 0.0 163.4

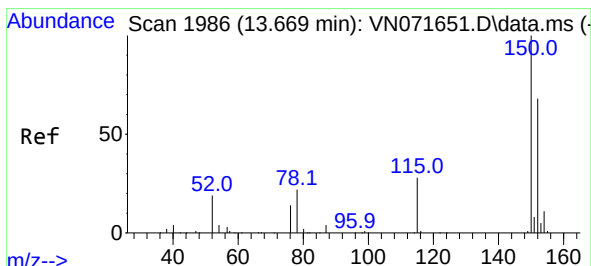
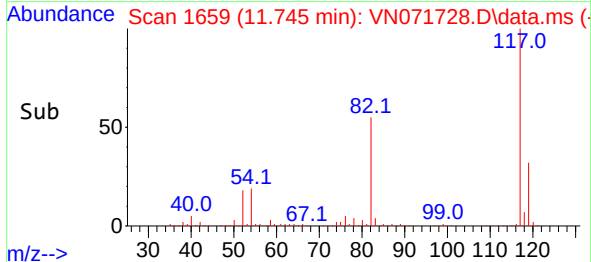
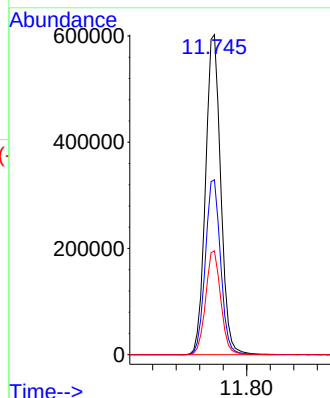
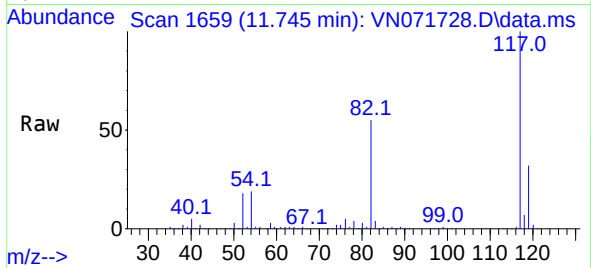




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

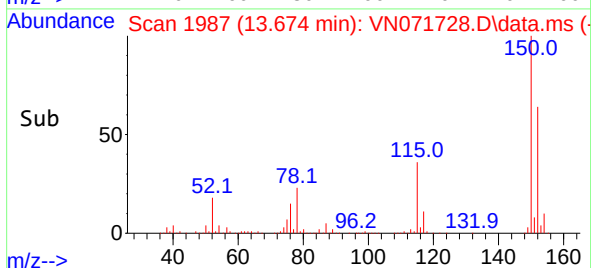
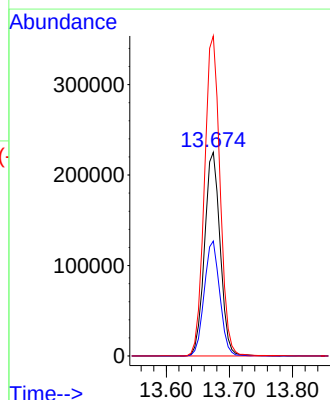
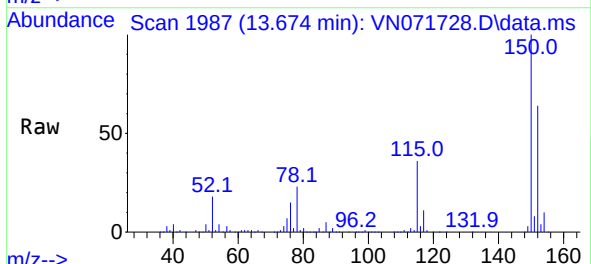
Instrument :
MSVOA_N
ClientSampleId :
FB032322

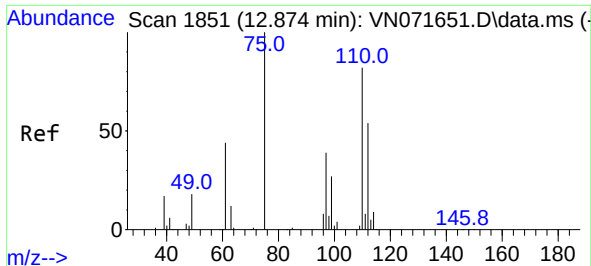
Tgt Ion:117 Resp: 1084554
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Tgt Ion:152 Resp: 385244
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 157.0 0.0 356.2

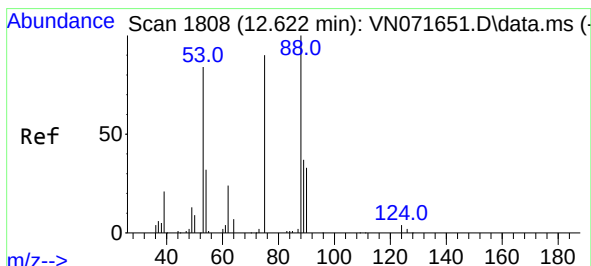
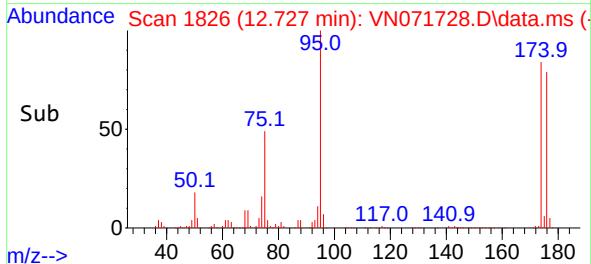
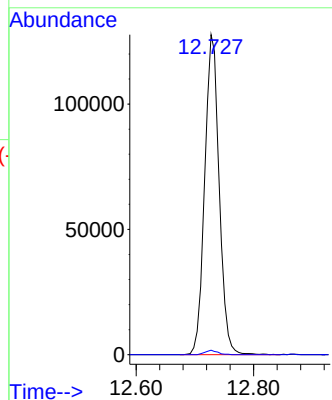
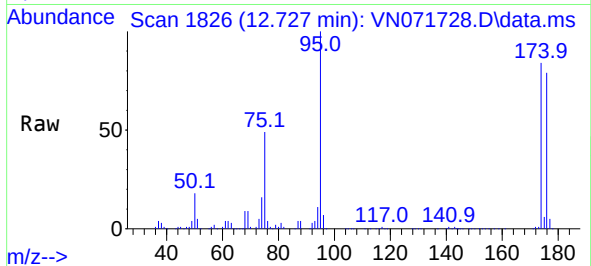




#76
1,2,3-Trichloropropane
Concen: 24.370 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

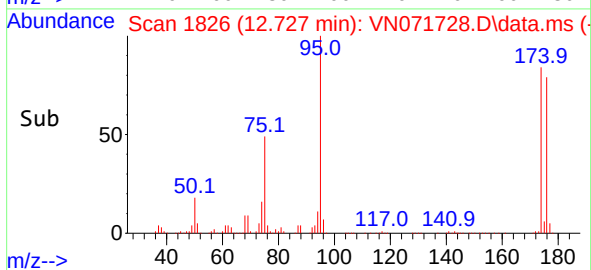
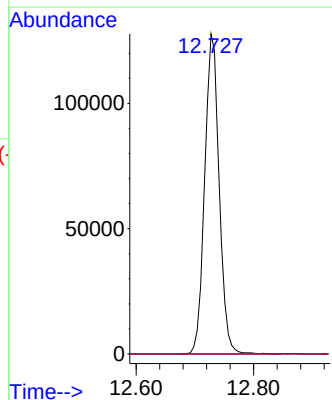
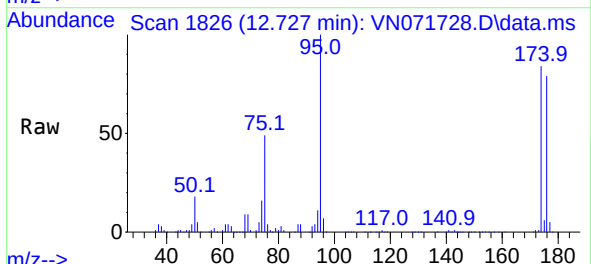
Instrument :
MSVOA_N
ClientSampleId :
FB032322

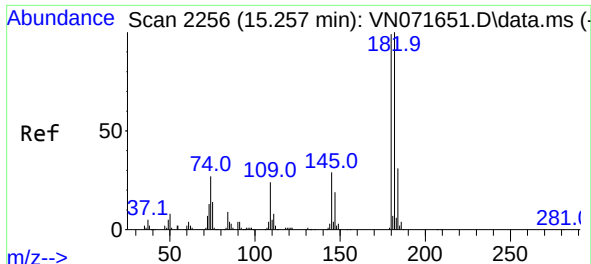
Tgt Ion: 75 Resp: 217492
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.523 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

Tgt Ion: 75 Resp: 217492
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

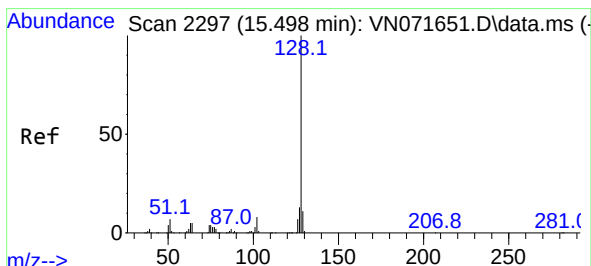
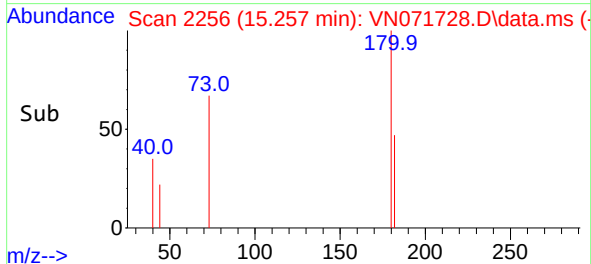
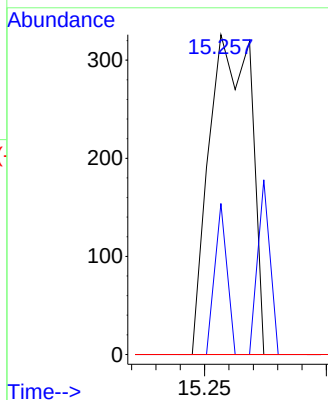
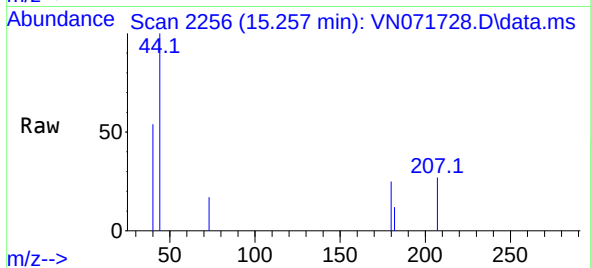




#93
1,2,4-Trichlorobenzene
Concen: 2.147 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

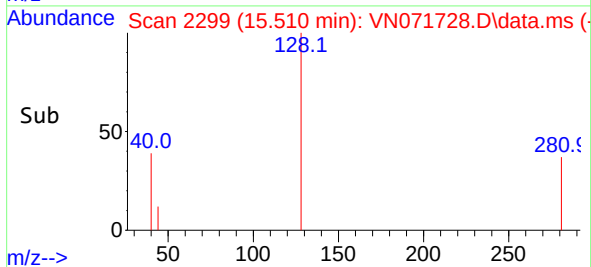
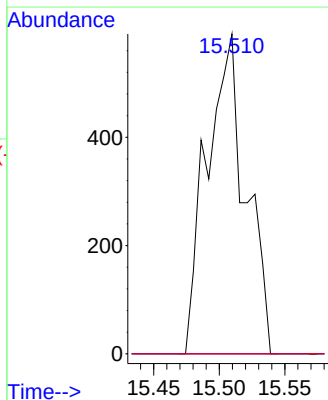
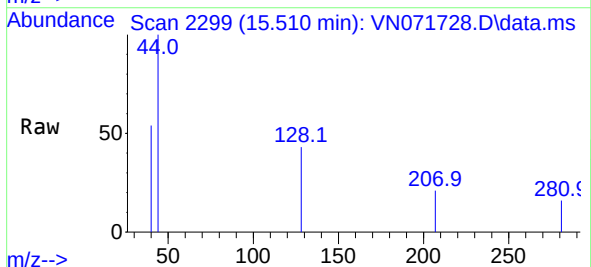
Instrument :
MSVOA_N
ClientSampleId :
FB032322

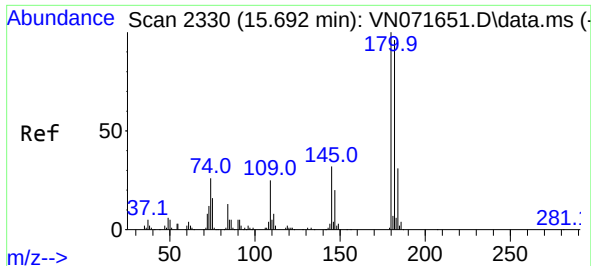
Tgt Ion:180 Resp: 390
Ion Ratio Lower Upper
180 100
182 13.8 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.867 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN071728.D
Acq: 01 Apr 2022 01:38

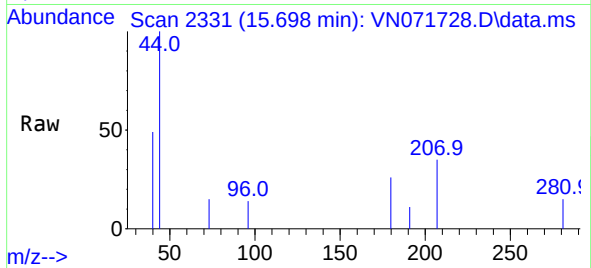
Tgt Ion:128 Resp: 1217
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.482 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071728.D
 Acq: 01 Apr 2022 01:38

Instrument :
 MSVOA_N
 ClientSampleId :
 FB032322



Tgt Ion:180 Resp: 421
 Ion Ratio Lower Upper
 180 100
 182 23.8 47.8 143.3#
 145 0.0 15.5 46.5#

