

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071204.D
 Acq On : 09 Mar 2022 12:07
 Operator : JC\MD
 Sample : VN0309WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 00:56:27 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)

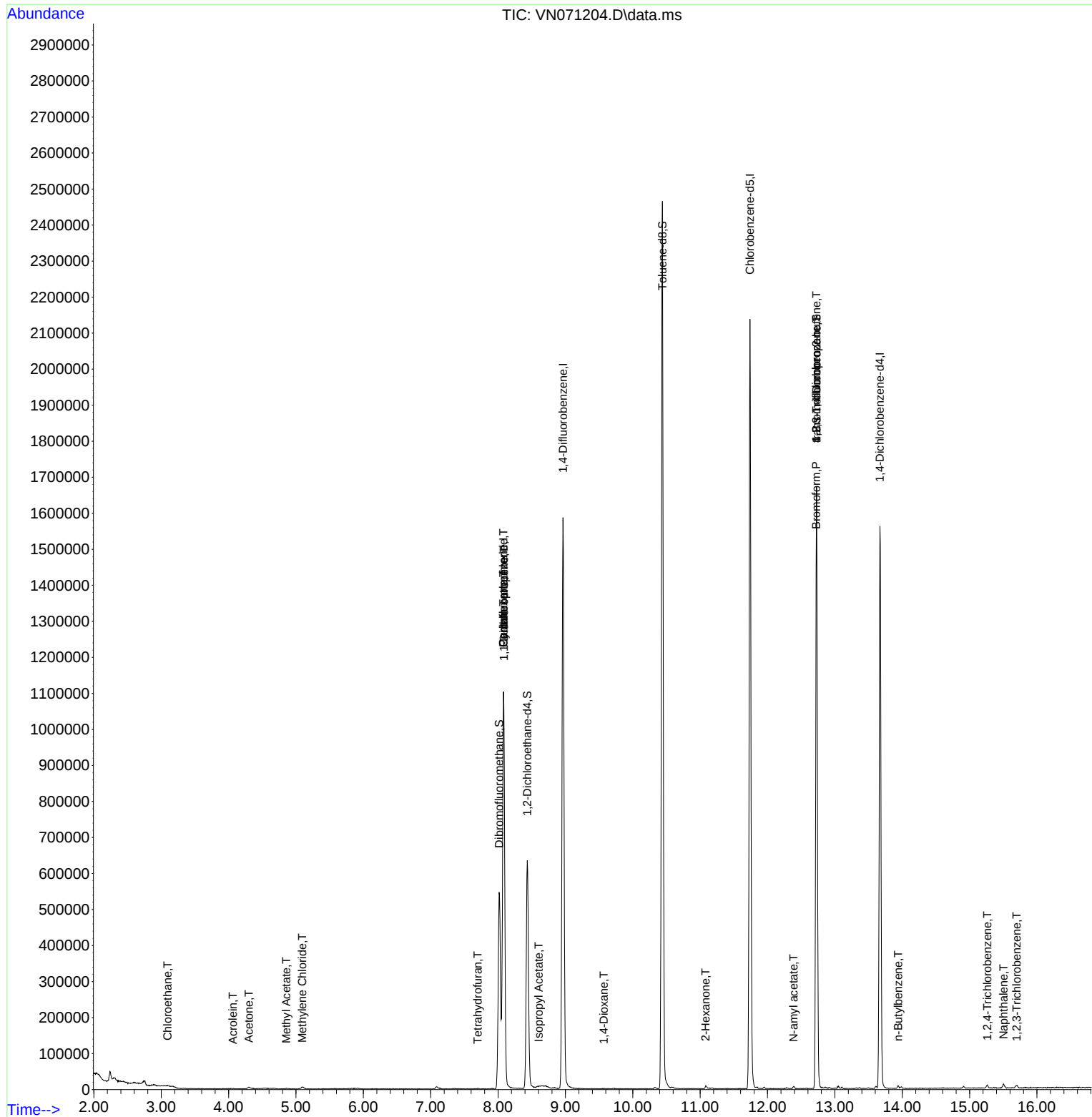
Internal Standards						
1) Pentafluorobenzene	8.080	168	849755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1390087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1250497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	435924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	532953	45.762	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.520%		
35) Dibromofluoromethane	8.016	113	405757	46.256	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.520%		
50) Toluene-d8	10.439	98	1687787	47.788	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.580%		
62) 4-Bromofluorobenzene	12.727	95	582041	48.667	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.340%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.857	94	2449	Below Cal	#	73
6) Chloroethane	3.093	64	4805	0.695	ug/l #	42
13) Acrolein	4.063	56	1125	0.465	ug/l #	36
16) Acetone	4.298	43	5426	0.958	ug/l #	89
18) Methyl Acetate	4.857	43	1573	0.572	ug/l #	67
20) Methylene Chloride	5.092	84	2156	0.588	ug/l #	92
29) Tetrahydrofuran	7.698	42	1318	0.208	ug/l #	40
31) Cyclohexane	8.080	56	18229	0.980	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	66995	4.767	ug/l #	48
38) Carbon Tetrachloride	8.080	117	84960	6.250	ug/l #	16
43) Isopropyl Acetate	8.604	43	6465	0.224	ug/l #	55
49) 1,4-Dioxane	9.569	88	70	0.300	ug/l #	1
59) 2-Hexanone	11.080	43	7462	0.609	ug/l	95
71) Bromoform	12.721	173	3698	0.495	ug/l #	1
74) N-amyl acetate	12.386	43	4184	0.265	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.815	83	665	Below Cal	#	82
76) 1,2,3-Trichloropropane	12.727	75	304840	27.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	304840	75.594	ug/l #	5
89) n-Butylbenzene	13.939	91	4860	0.204	ug/l	95
93) 1,2,4-Trichlorobenzene	15.262	180	3193	3.409	ug/l	98
95) Naphthalene	15.504	128	10371	5.534	ug/l	97
96) 1,2,3-Trichlorobenzene	15.698	180	3181	3.171	ug/l	90

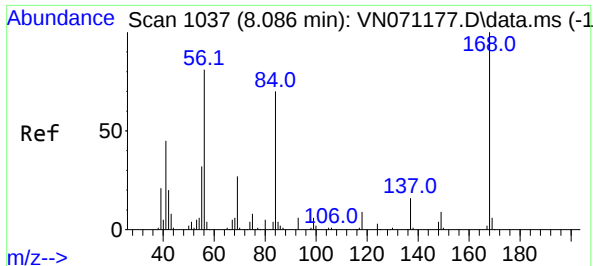
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0309WBL01
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Mar 10 00:56:27 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

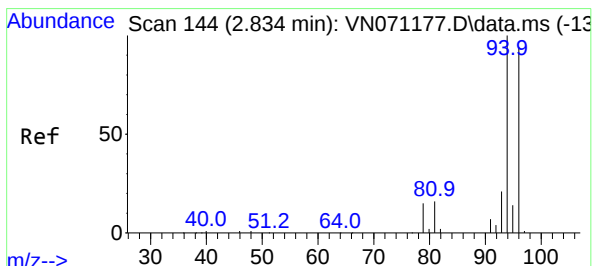
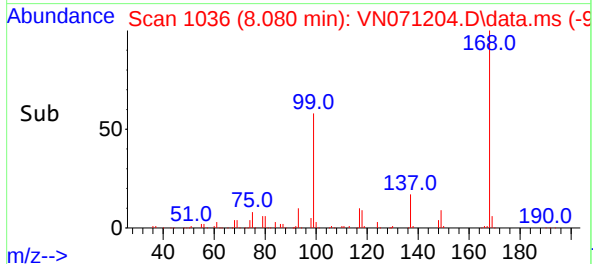
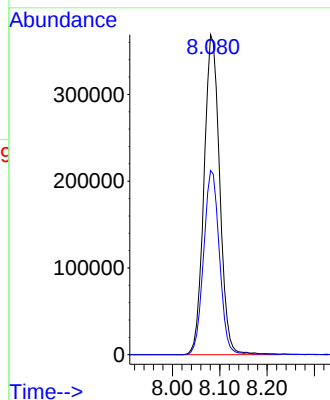
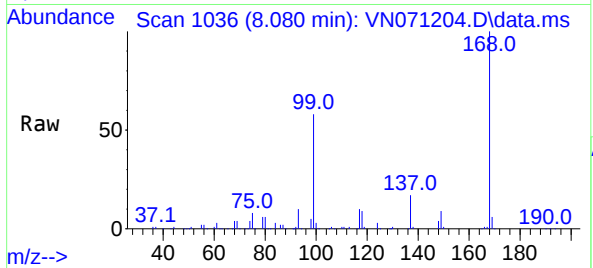




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

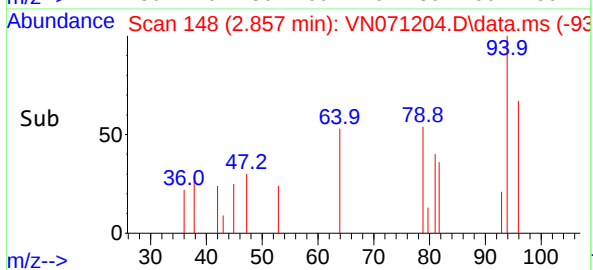
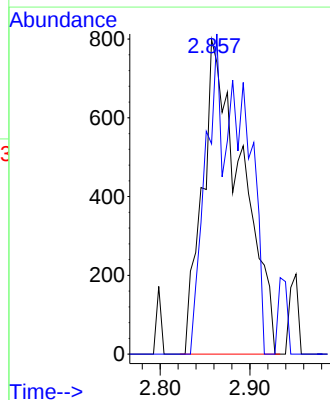
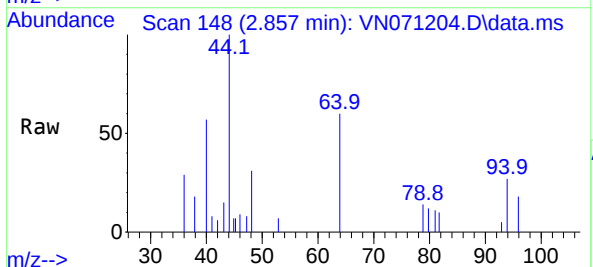
Instrument :
MSVOA_N
ClientSampleId :

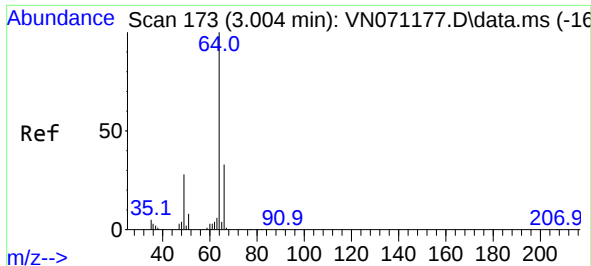
Tgt Ion:168 Resp: 849755
Ion Ratio Lower Upper
168 100
99 57.5 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 148
Delta R.T. 0.023 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Tgt Ion: 94 Resp: 2449
Ion Ratio Lower Upper
94 100
96 66.8 73.8 110.8#

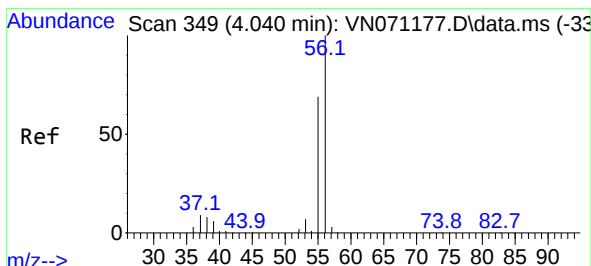
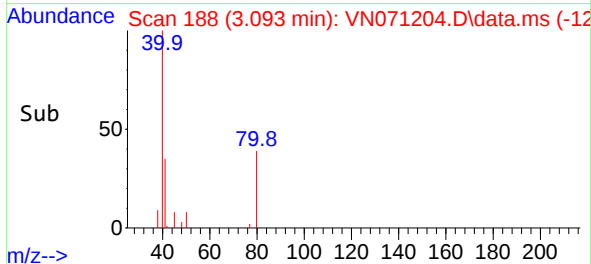
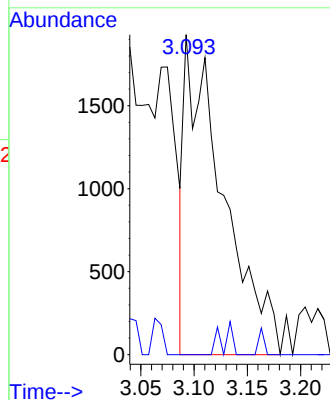
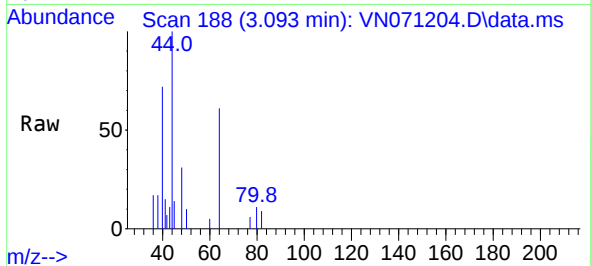




#6
Chloroethane
Concen: 0.695 ug/l
RT: 3.093 min Scan# 11
Delta R.T. 0.089 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

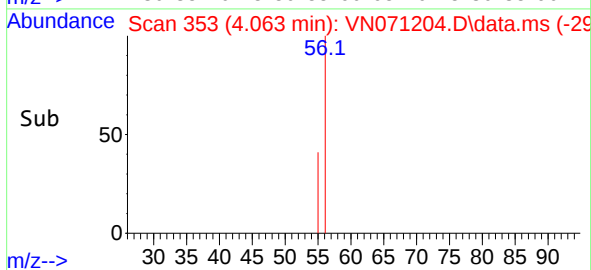
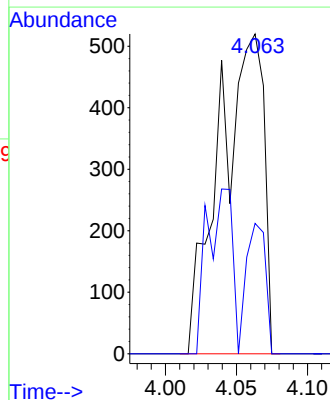
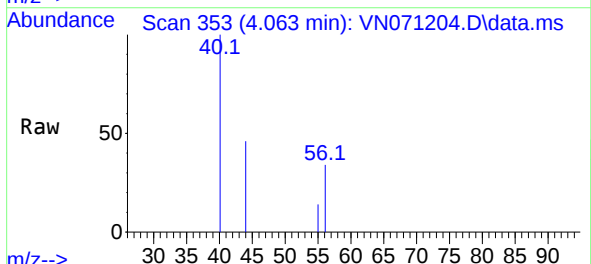
Instrument :
MSVOA_N
ClientSampleId :

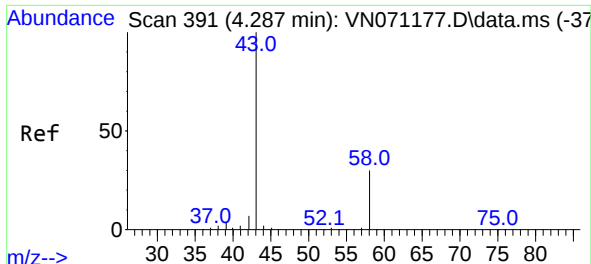
Tgt Ion: 64 Resp: 4805
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#13
Acrolein
Concen: 0.465 ug/l
RT: 4.063 min Scan# 353
Delta R.T. 0.023 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Tgt Ion: 56 Resp: 1125
Ion Ratio Lower Upper
56 100
55 17.8 56.6 85.0#

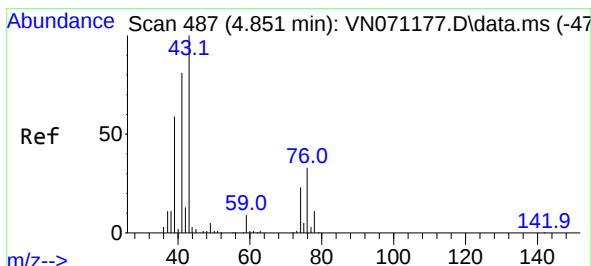
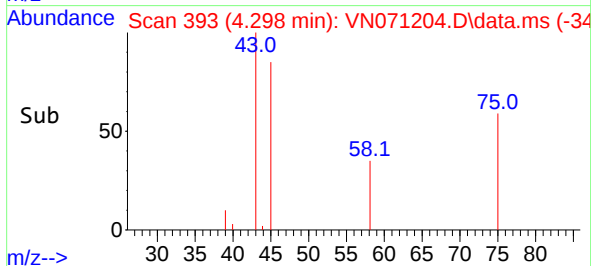
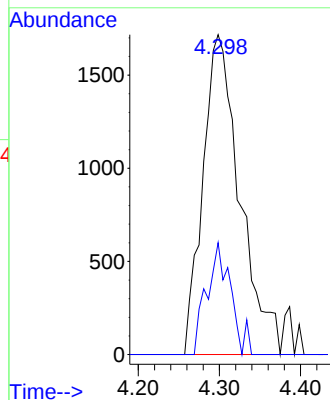
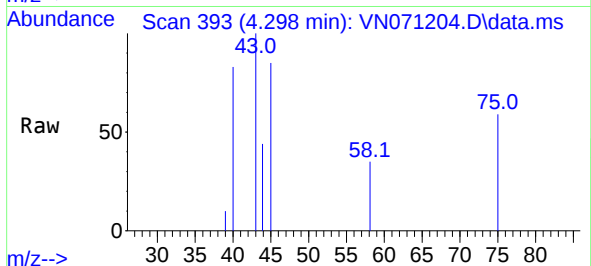




#16
Acetone
Concen: 0.958 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

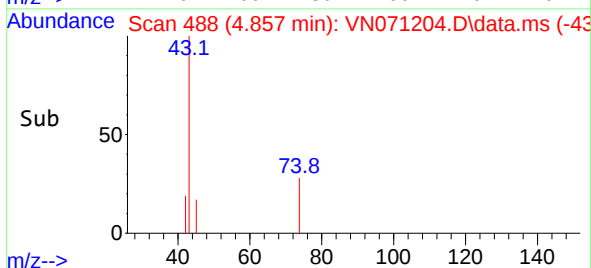
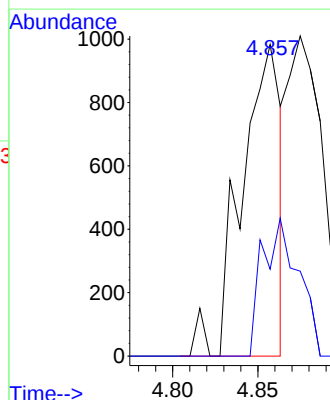
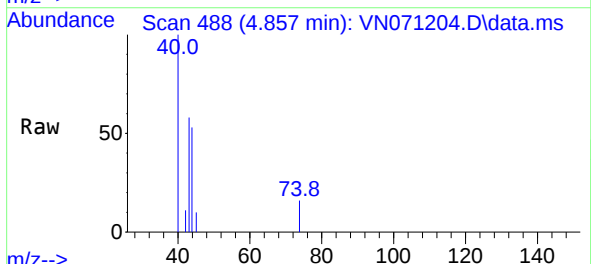
Instrument :
MSVOA_N
ClientSampleId :

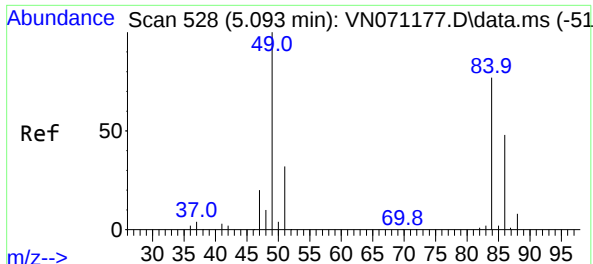
Tgt Ion: 43 Resp: 5426
Ion Ratio Lower Upper
43 100
58 35.0 23.1 34.7#



#18
Methyl Acetate
Concen: 0.572 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

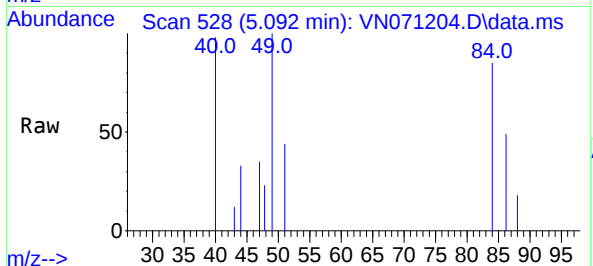
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
74 40.6 19.4 29.2#





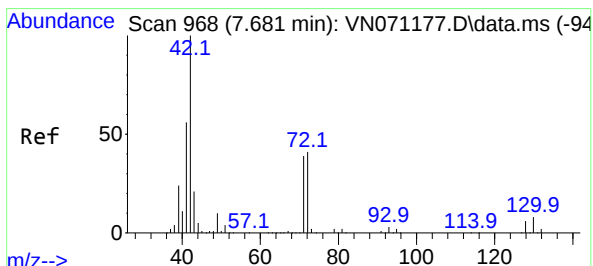
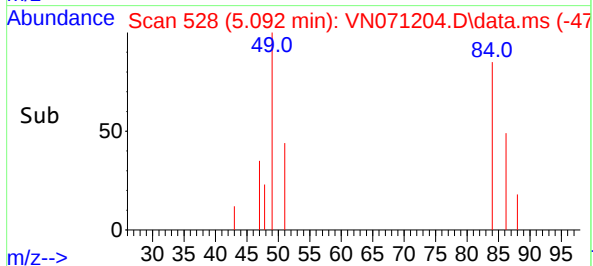
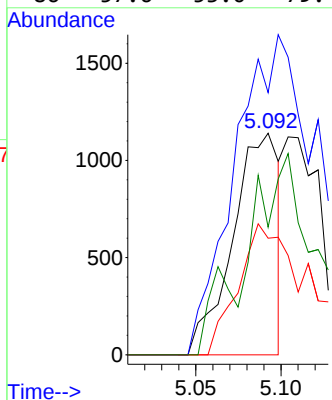
#20
Methylene Chloride
Concen: 0.588 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2156

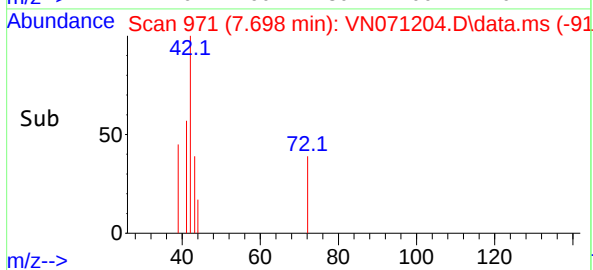
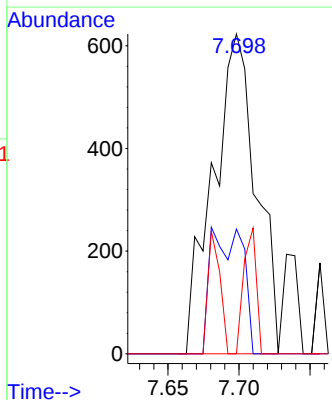
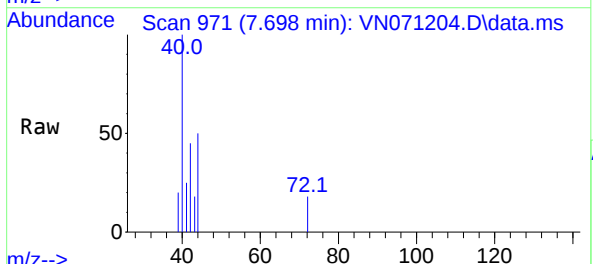
Ion	Ratio	Lower	Upper
84	100		
49	118.3	93.5	140.3
51	52.6	29.4	44.2#
86	57.6	53.0	79.4

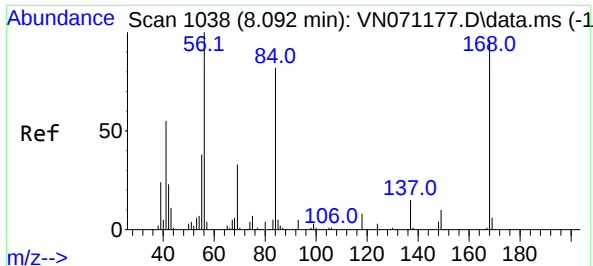


#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.018 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Tgt Ion: 42 Resp: 1318

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.3	54.5#
71	11.5	34.7	52.1#





#31

Cyclohexane

Concen: 0.980 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071204.D

Acq: 09 Mar 2022 12:07

Instrument :

MSVOA_N

ClientSampleId :

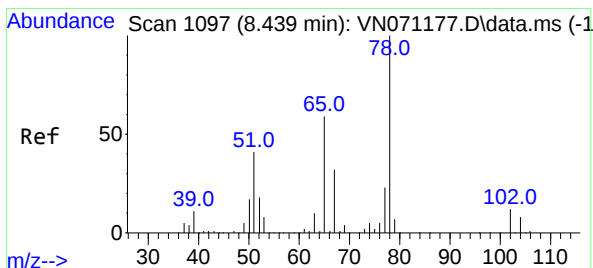
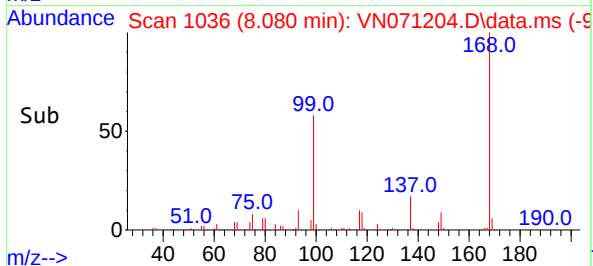
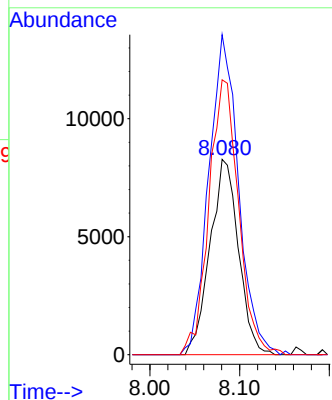
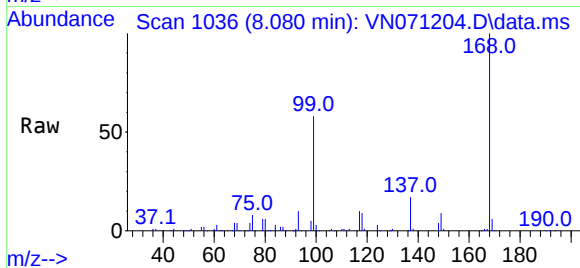
Tgt Ion: 56 Resp: 18229

Ion Ratio Lower Upper

56 100

69 163.8 27.1 40.7#

84 140.7 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.762 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071204.D

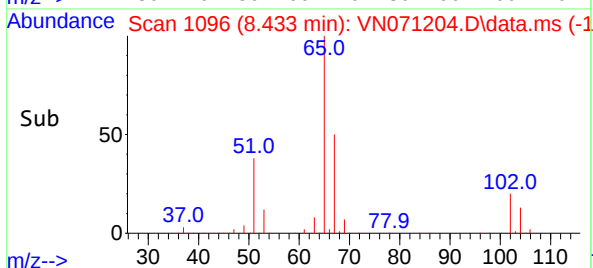
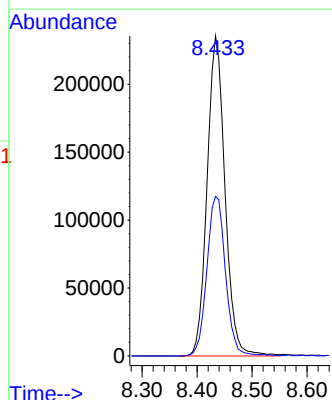
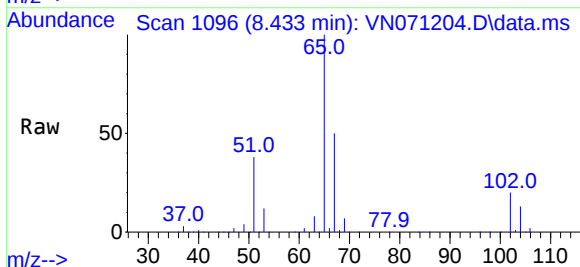
Acq: 09 Mar 2022 12:07

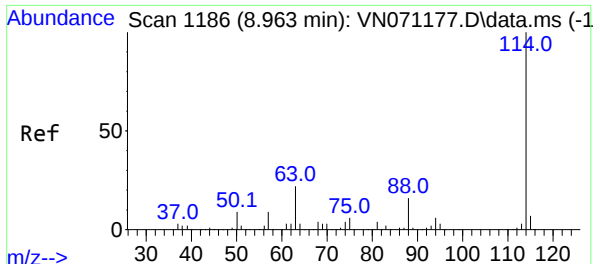
Tgt Ion: 65 Resp: 532953

Ion Ratio Lower Upper

65 100

67 52.0 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: VN071204.D

Acq: 09 Mar 2022 12:07

Instrument :

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ClientSampleId :

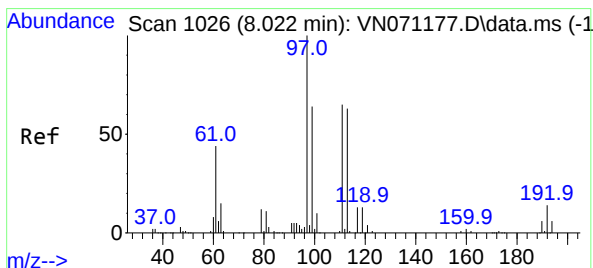
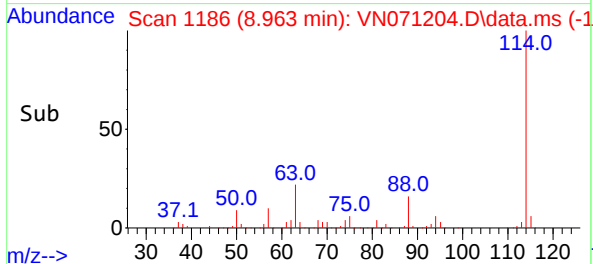
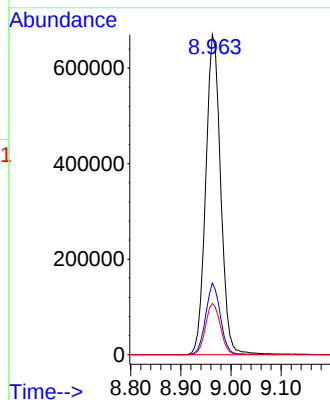
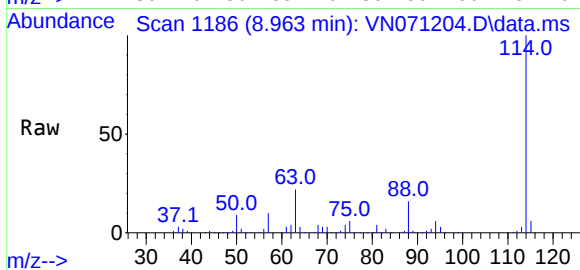
Tgt Ion:114 Resp: 1390087

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.256 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071204.D

Acq: 09 Mar 2022 12:07

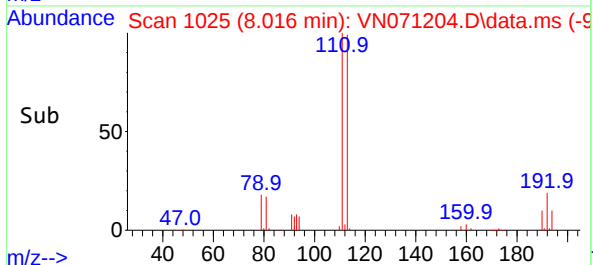
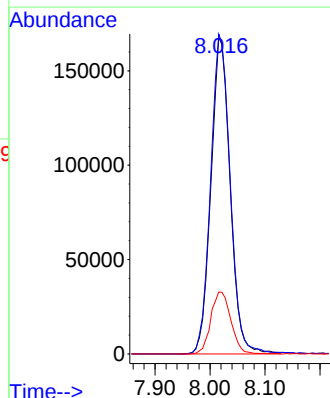
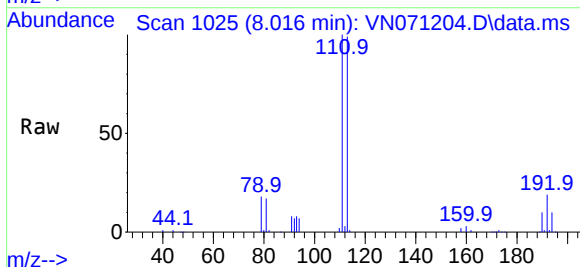
Tgt Ion:113 Resp: 405757

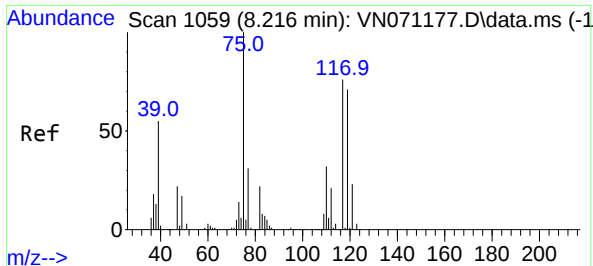
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 20.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.767 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071204.D

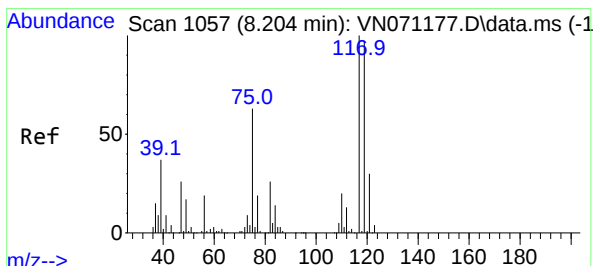
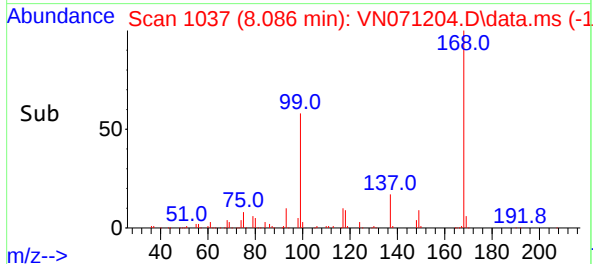
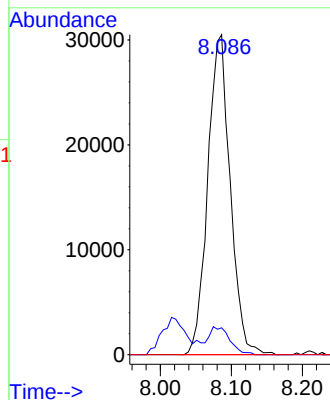
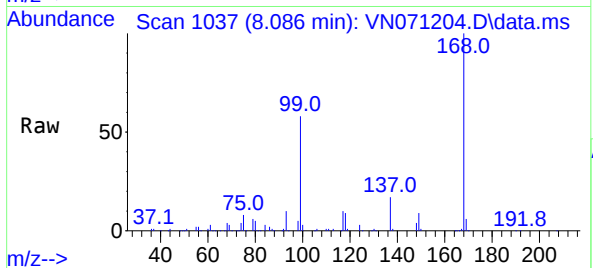
Acq: 09 Mar 2022 12:07

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	66995
Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.250 ug/l

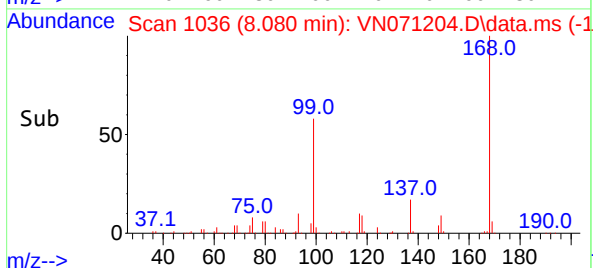
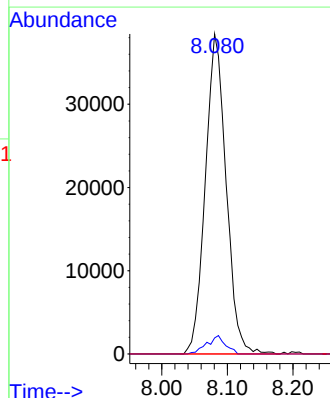
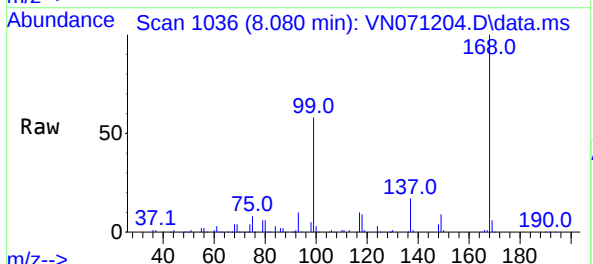
RT: 8.080 min Scan# 1036

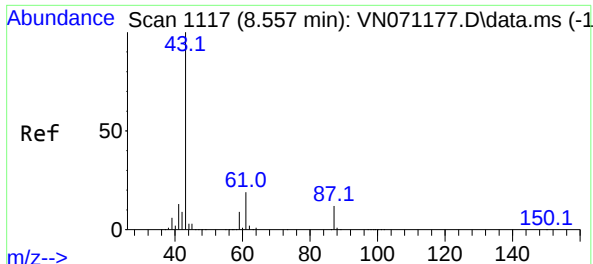
Delta R.T. -0.124 min

Lab File: VN071204.D

Acq: 09 Mar 2022 12:07

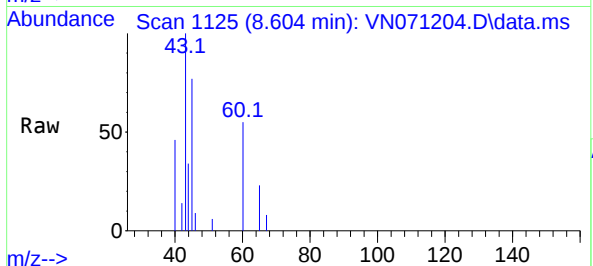
Tgt Ion:	117	Resp:	84960
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.1	114.1#
121	0.0	24.2	36.2#



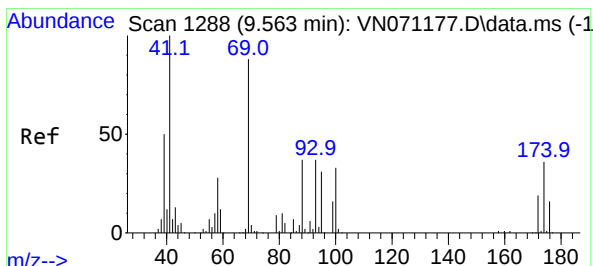
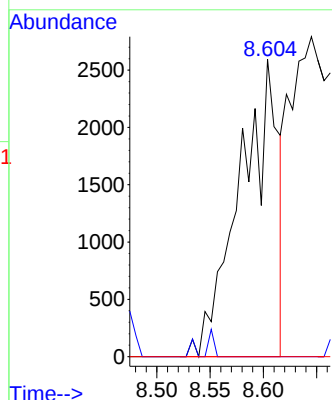
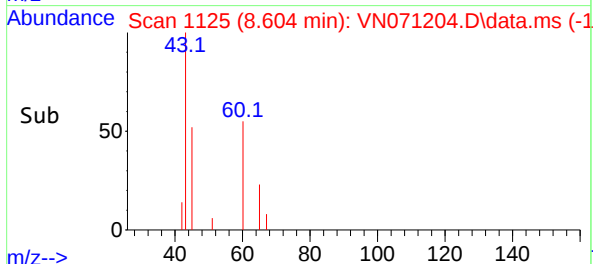


#43
Isopropyl Acetate
Concen: 0.224 ug/l
RT: 8.604 min Scan# 1117
Delta R.T. 0.047 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

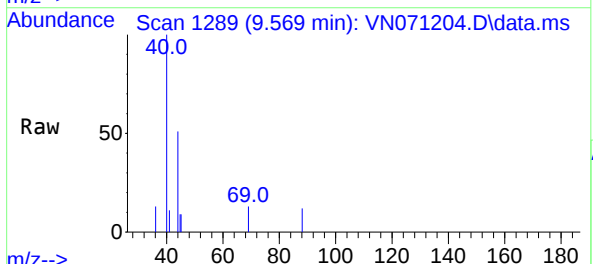
Instrument :
MSVOA_N
ClientSampleId :



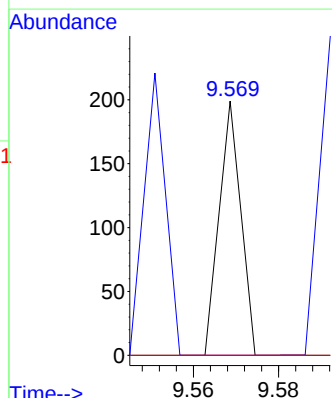
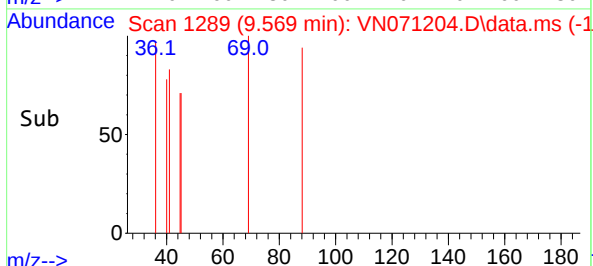
Tgt Ion: 43 Resp: 6465
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

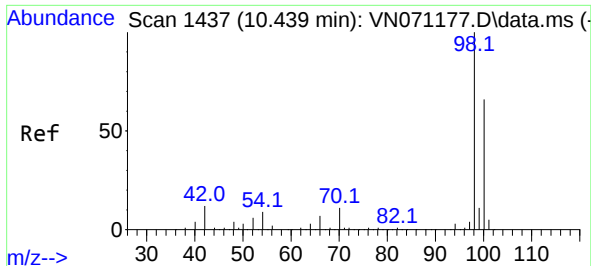


#49
1,4-Dioxane
Concen: 0.300 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07



Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 111.4 23.4 35.2#
58 0.0 50.6 75.8#

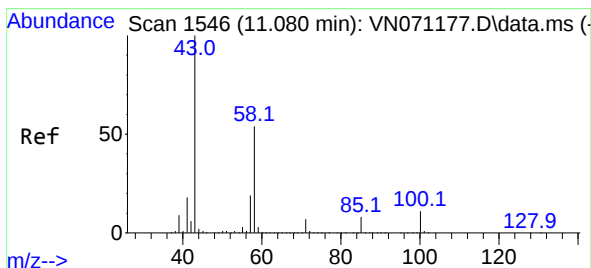
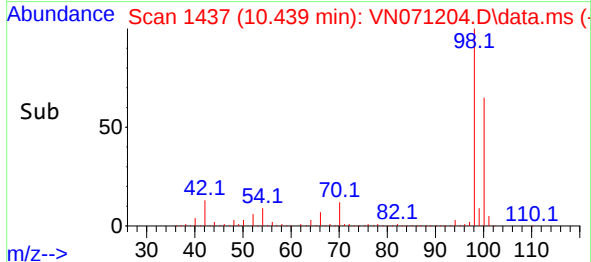
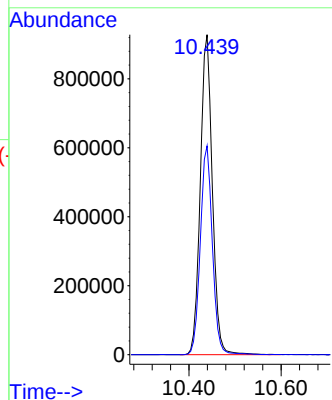
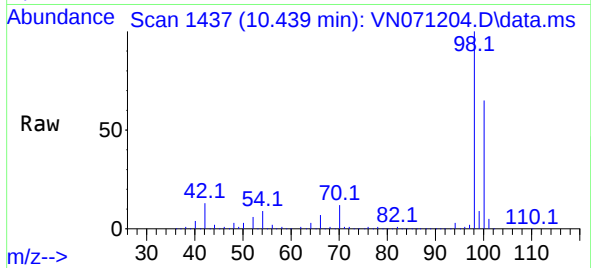




#50
Toluene-d8
Concen: 47.788 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

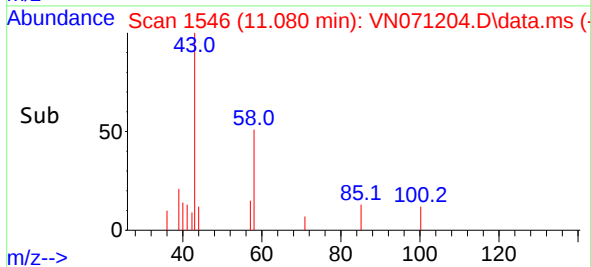
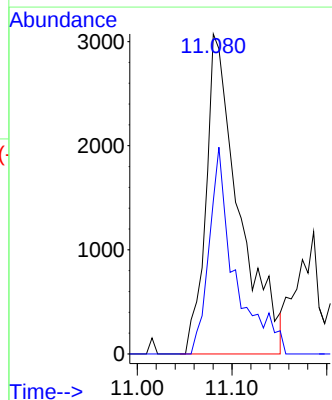
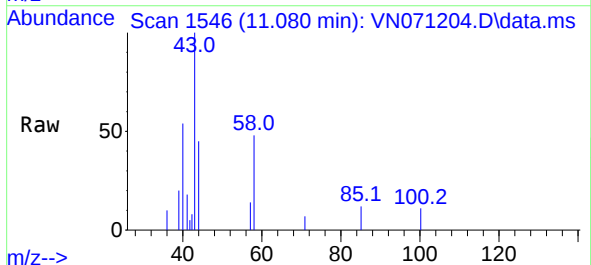
Instrument :
MSVOA_N
ClientSampleId :

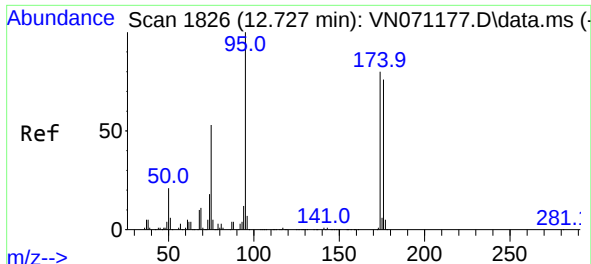
Tgt Ion: 98 Resp: 1687787
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6



#59
2-Hexanone
Concen: 0.609 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Tgt Ion: 43 Resp: 7462
Ion Ratio Lower Upper
43 100
58 50.1 26.9 80.7

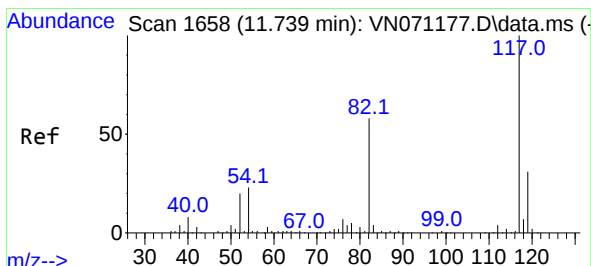
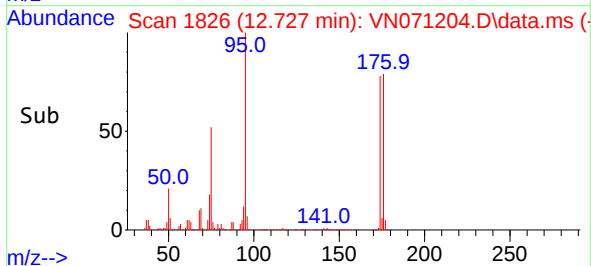
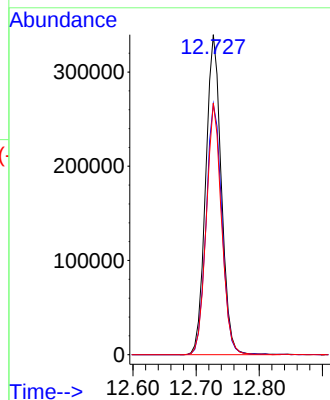
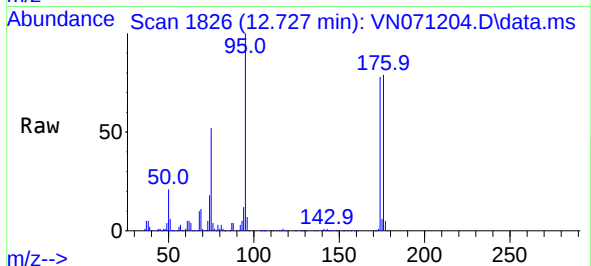




#62
4-Bromofluorobenzene
Concen: 48.667 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

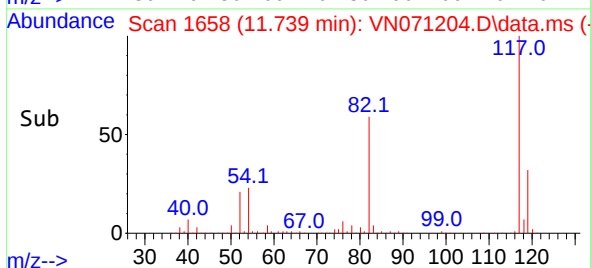
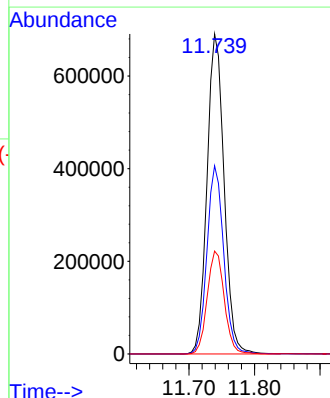
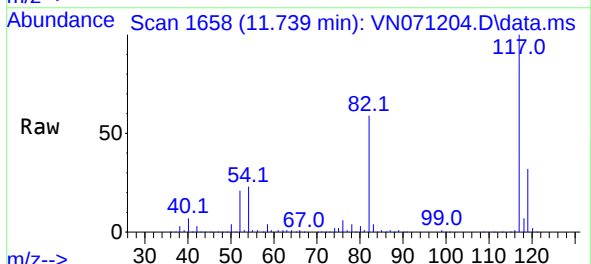
Instrument :
MSVOA_N
ClientSampleId :

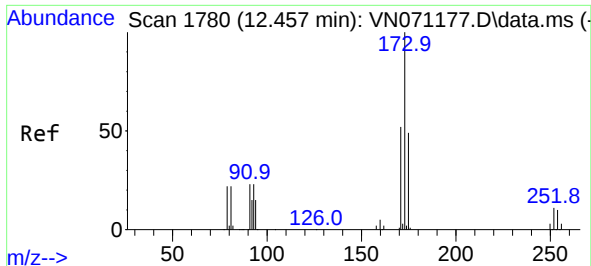
Tgt Ion: 95 Resp: 582041
Ion Ratio Lower Upper
95 100
174 79.3 0.0 187.2
176 76.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Tgt Ion: 117 Resp: 1250497
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.2 25.4 38.2

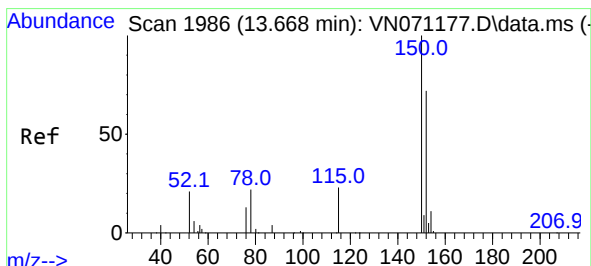
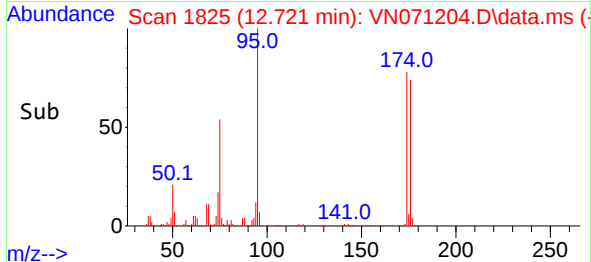
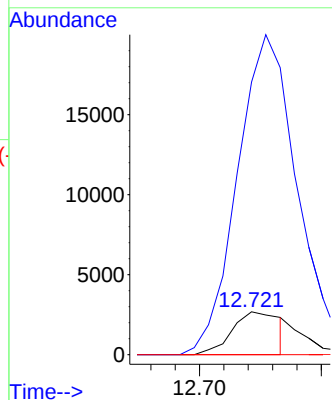
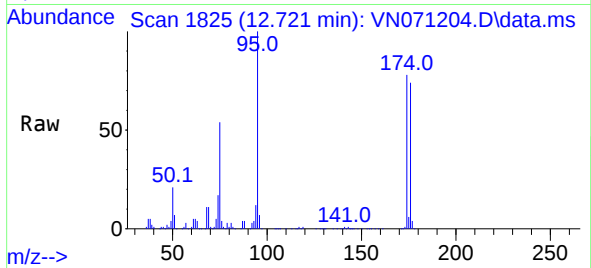




#71
Bromoform
Concen: 0.495 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

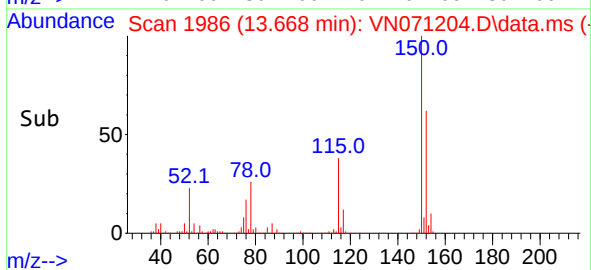
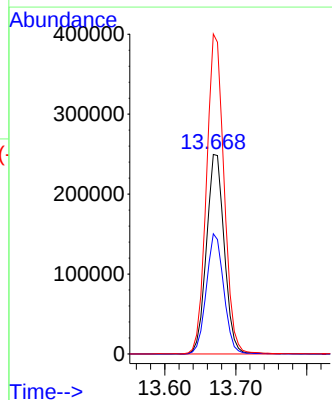
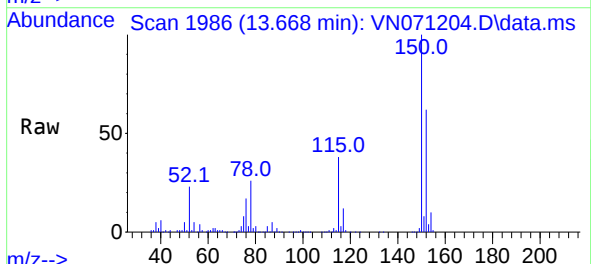
Instrument :
MSVOA_N
ClientSampleId :

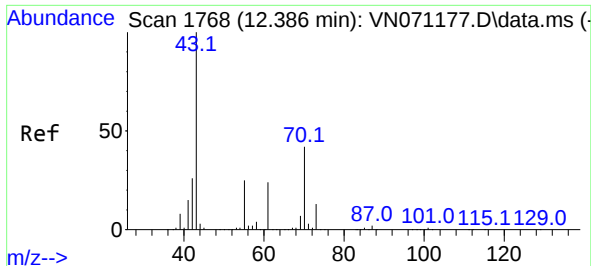
Tgt Ion:173 Resp: 3698
Ion Ratio Lower Upper
173 100
175 702.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

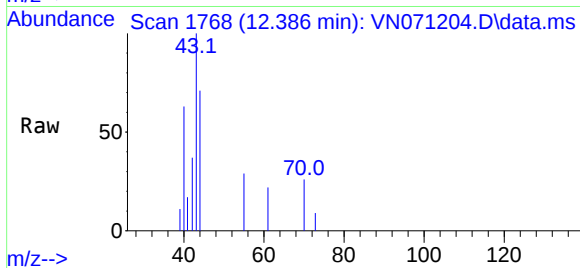
Tgt Ion:152 Resp: 435924
Ion Ratio Lower Upper
152 100
115 59.1 27.5 82.5
150 158.3 0.0 344.4



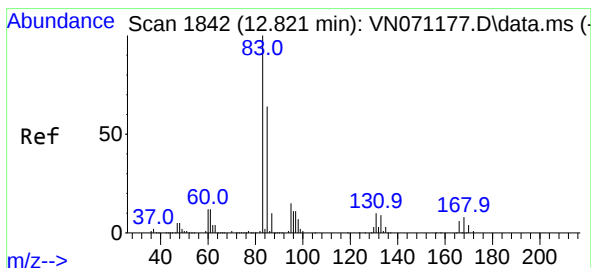
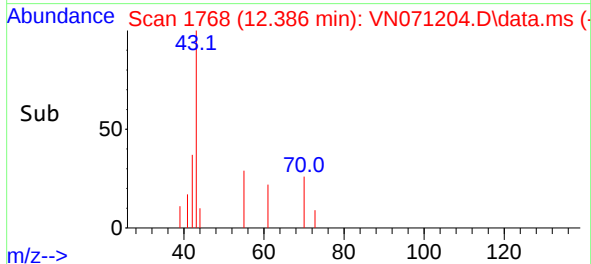
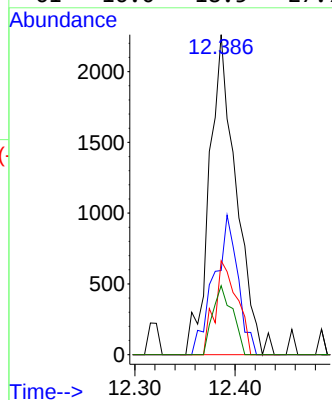


#74
N-amy1 acetate
Concen: 0.265 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Instrument :
MSVOA_N
ClientSampleId :

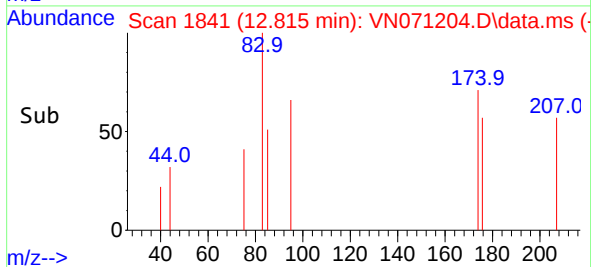
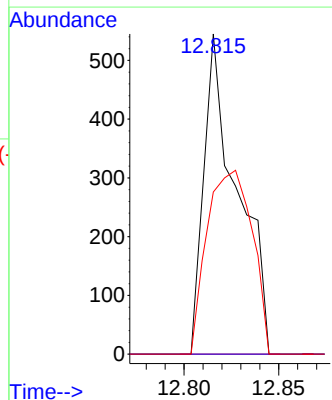
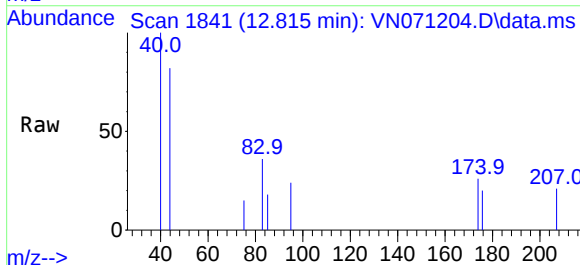


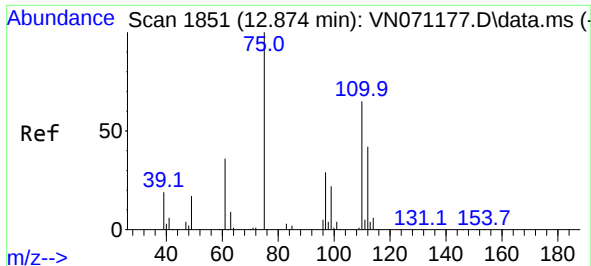
Tgt Ion:	43	Resp:	4184
Ion	Ratio	Lower	Upper
43	100		
70	38.9	33.4	50.0
55	24.4	19.3	28.9
61	16.0	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.815 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Tgt Ion:	83	Resp:	665
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	77.9	32.4	97.2

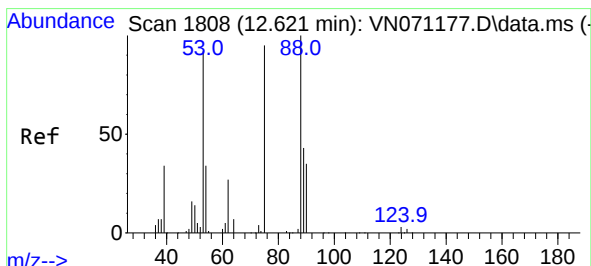
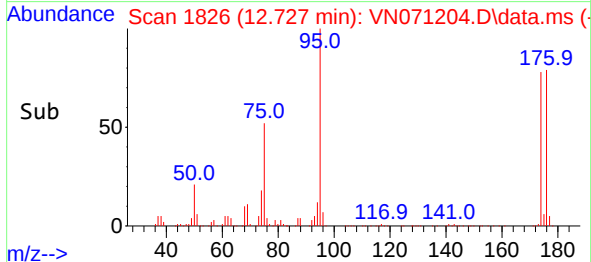
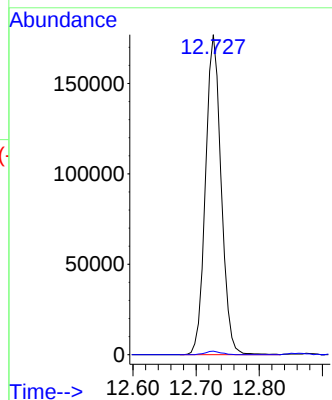
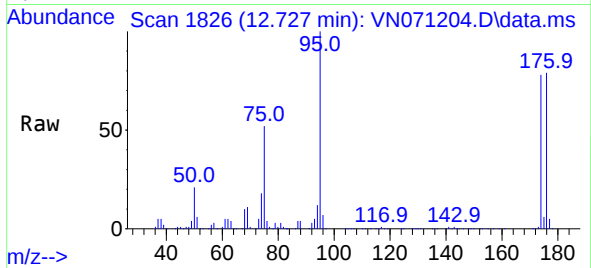




#76
1,2,3-Trichloropropane
Concen: 27.588 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

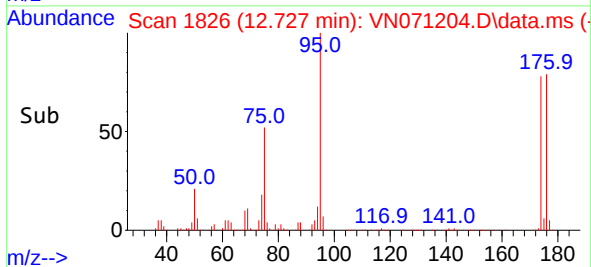
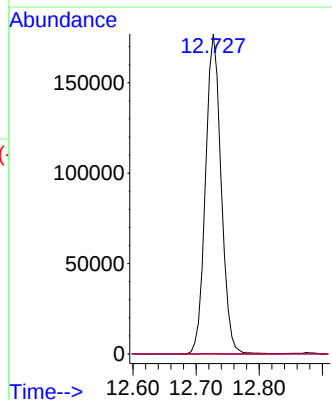
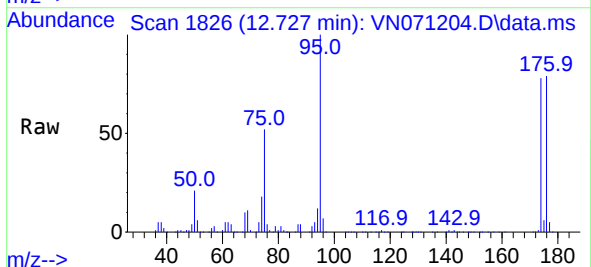
Instrument :
MSVOA_N
ClientSampleId :

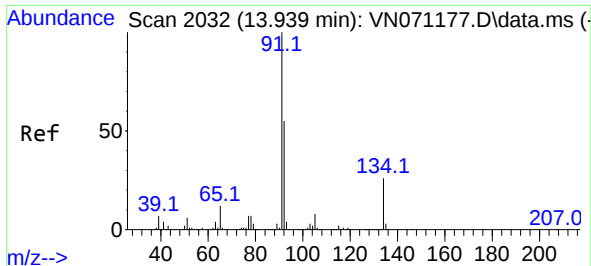
Tgt Ion: 75 Resp: 304840
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.594 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

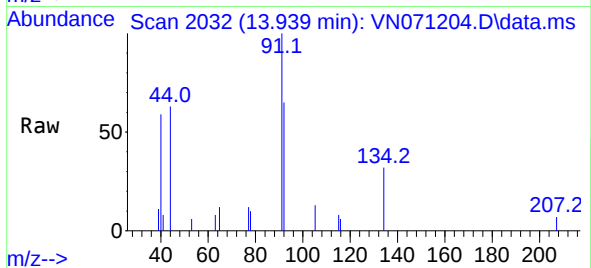
Tgt Ion: 75 Resp: 304840
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



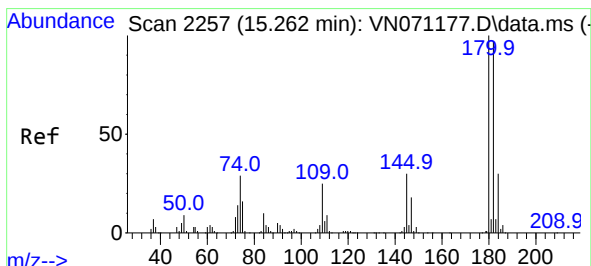
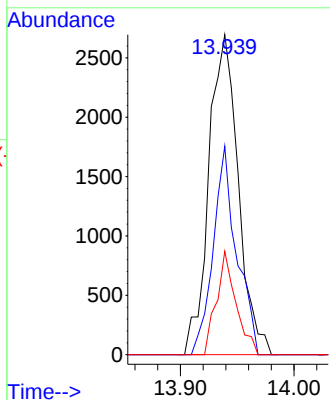
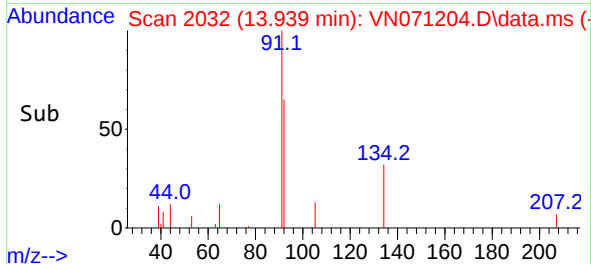


#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

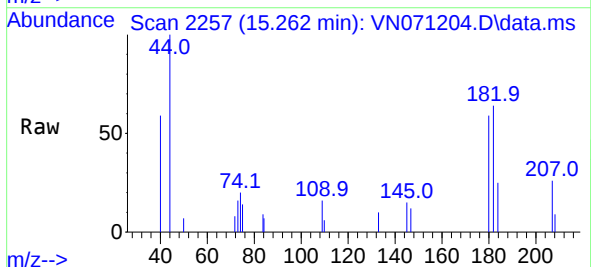
Instrument :
MSVOA_N
ClientSampleId :



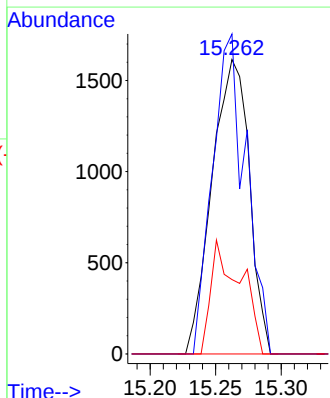
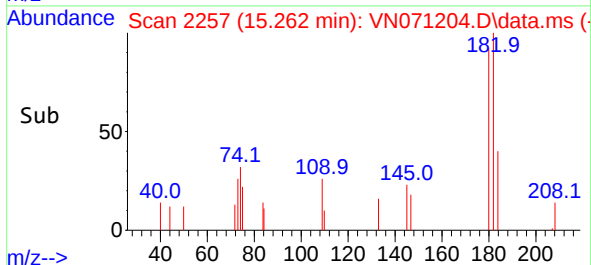
Tgt Ion:	91	Resp:	4860
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.4	76.0
134	21.4	13.6	40.8

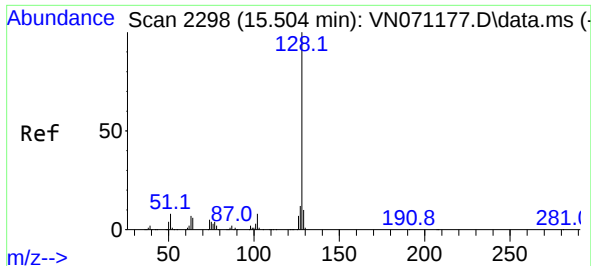


#93
1,2,4-Trichlorobenzene
Concen: 3.409 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07



Tgt Ion:	180	Resp:	3193
Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.3	144.9
145	30.9	14.5	43.5

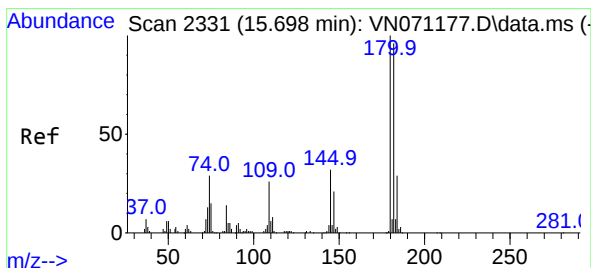
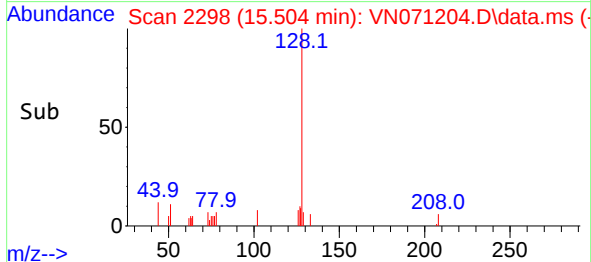
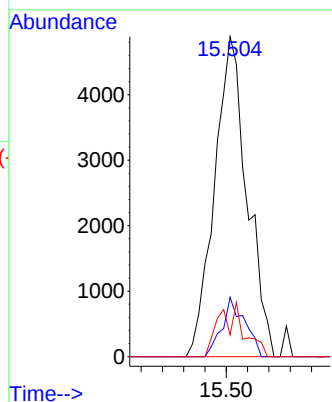
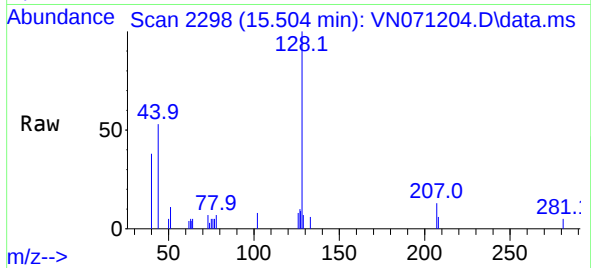




#95
Naphthalene
Concen: 5.534 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 10371
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 12.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.171 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071204.D
Acq: 09 Mar 2022 12:07

Tgt Ion:180 Resp: 3181
Ion Ratio Lower Upper
180 100
182 106.9 47.4 142.2
145 31.5 15.0 45.1

