

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030822\
 Data File : VN071192.D
 Acq On : 08 Mar 2022 16:05
 Operator : JC\MD
 Sample : N1802-01
 Misc : 5.16g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 09 04:03:11 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)

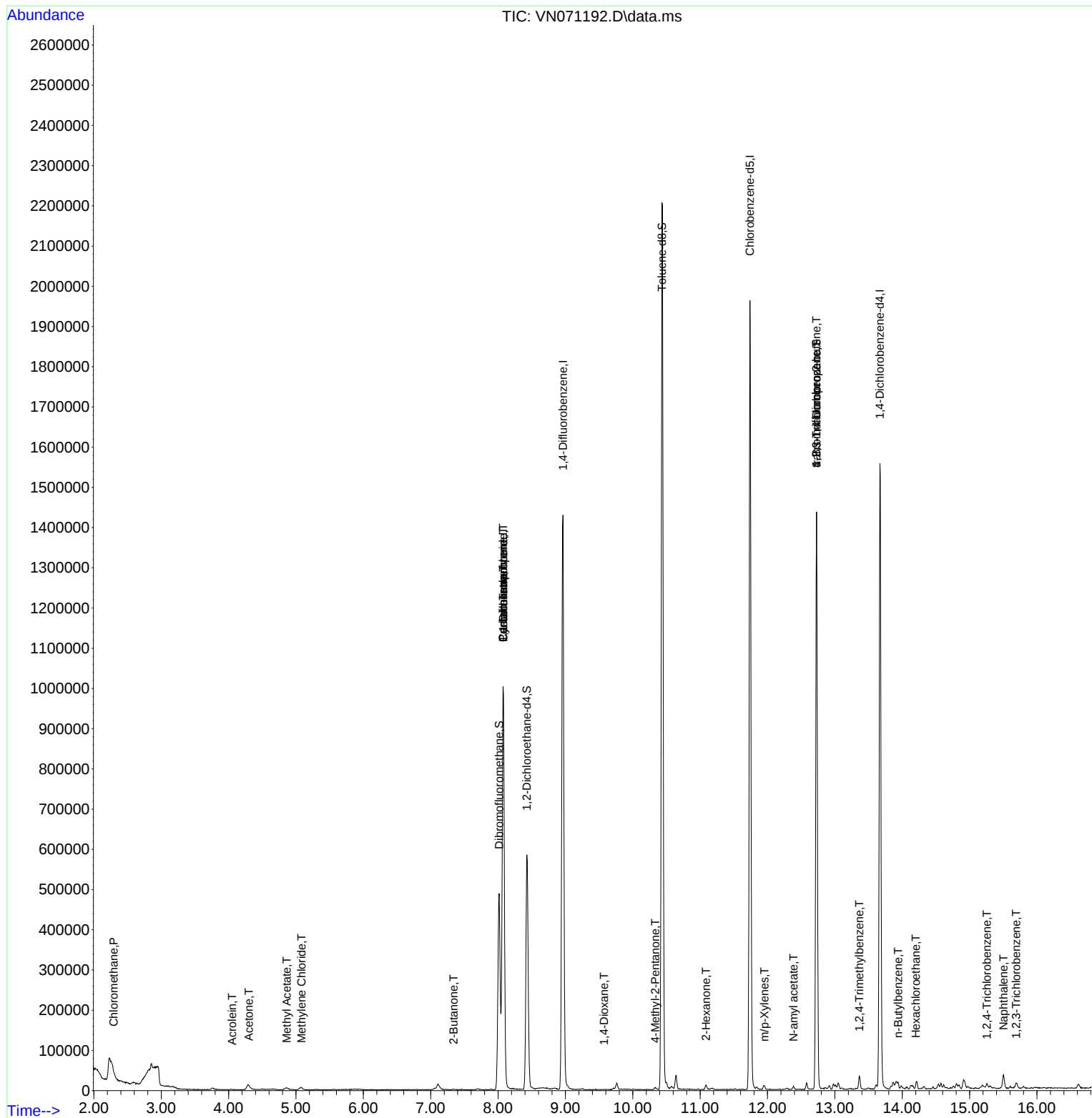
Internal Standards						
1) Pentafluorobenzene	8.075	168	788781	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.963	114	1289503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1105654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	431768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	494160	45.711	ug/l	-0.01
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.420%
35) Dibromofluoromethane	8.016	113	362204	44.512	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.020%
50) Toluene-d8	10.433	98	1565411	47.780	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.727	95	499001	44.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	3440	0.262	ug/l #	78
5) Bromomethane	2.810	94	1931	Below Cal		92
13) Acrolein	4.051	56	840	0.374	ug/l #	77
16) Acetone	4.299	43	11107	2.112	ug/l #	89
18) Methyl Acetate	4.863	43	11889	1.304	ug/l #	69
20) Methylene Chloride	5.081	84	4634	0.860	ug/l #	88
25) 2-Butanone	7.340	43	2749	0.324	ug/l #	48
31) Cyclohexane	8.075	56	16978	0.983	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	62281	4.777	ug/l #	49
38) Carbon Tetrachloride	8.075	117	75955	6.023	ug/l #	16
49) 1,4-Dioxane	9.575	88	275	1.272	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	4477	0.269	ug/l	98
59) 2-Hexanone	11.086	43	8537	0.751	ug/l	96
68) m/p-Xylenes	11.957	106	3309	0.215	ug/l	92
74) N-amyl acetate	12.386	43	4750	0.304	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.833	83	714	Below Cal	#	95
76) 1,2,3-Trichloropropane	12.727	75	257027	23.040	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	257027	64.351	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.363	105	18683	0.602	ug/l	99
89) n-Butylbenzene	13.939	91	11488	0.486	ug/l #	77
90) Hexachloroethane	14.204	117	1355	0.226	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.257	180	3980	3.518	ug/l	96
95) Naphthalene	15.504	128	33063	6.569	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	4528	3.363	ug/l	96

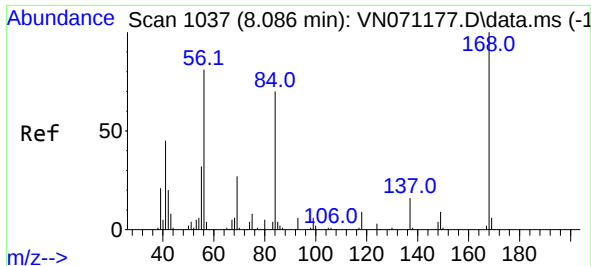
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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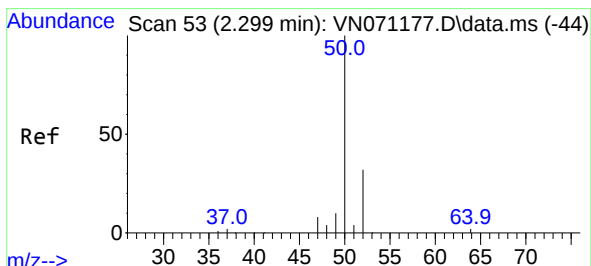
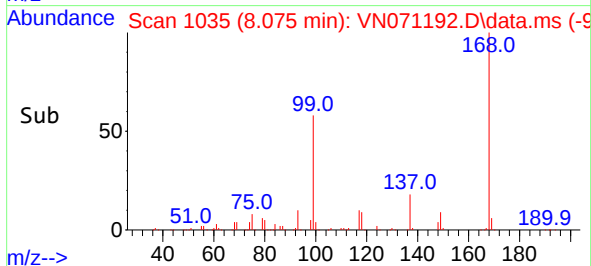
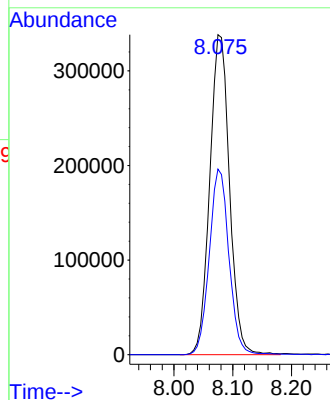
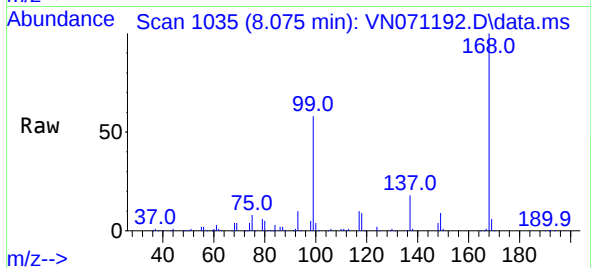




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.011 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

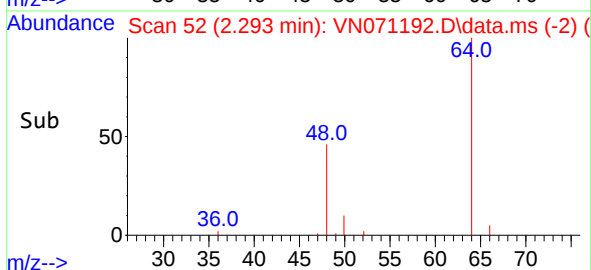
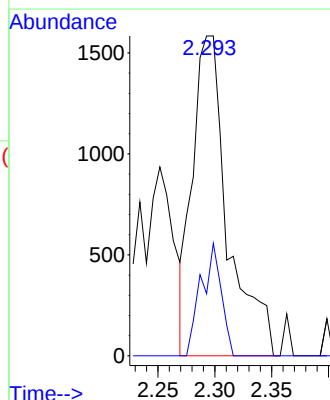
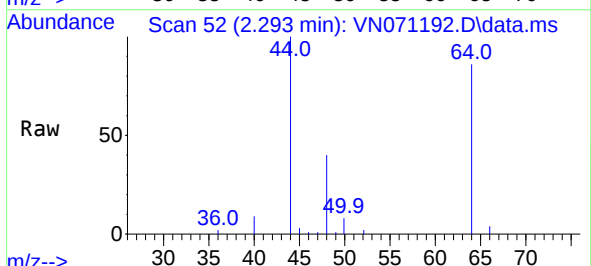
Instrument :
MSVOA_N
ClientSampleId :

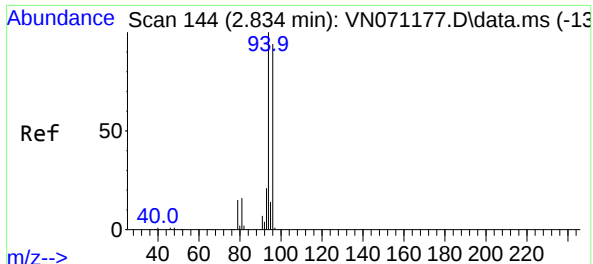
Tgt Ion:168 Resp: 788781
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.262 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

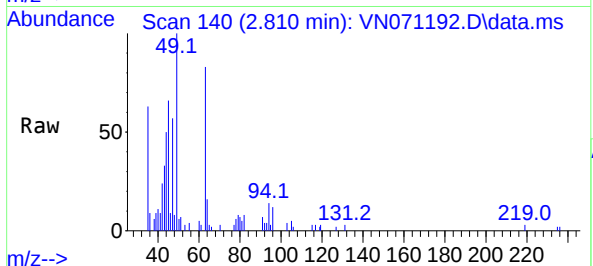
Tgt Ion: 50 Resp: 3440
Ion Ratio Lower Upper
50 100
52 19.4 25.4 38.0#



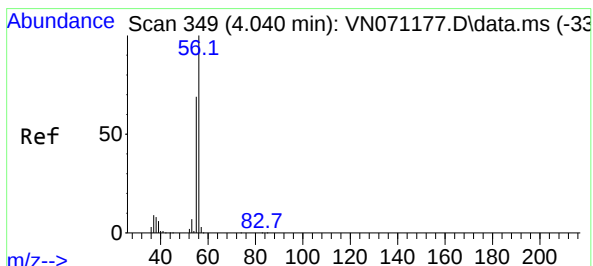
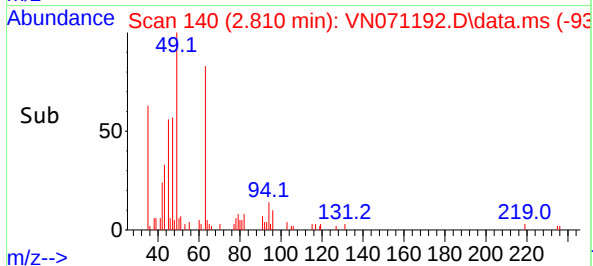
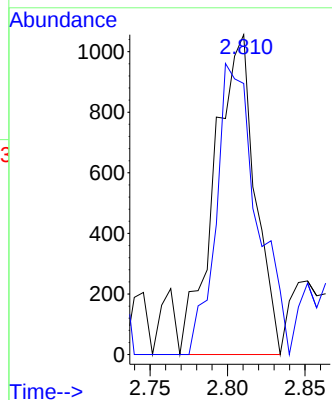


#5
Bromomethane
Concen: Below Cal
RT: 2.810 min Scan# 14
Delta R.T. -0.024 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Instrument :
MSVOA_N
ClientSampleId :

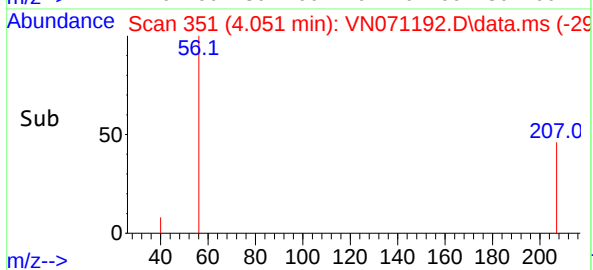
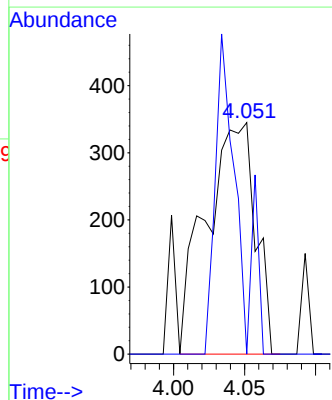
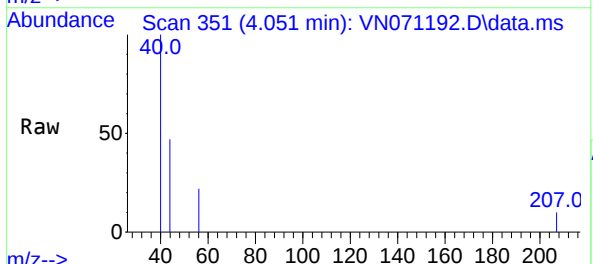


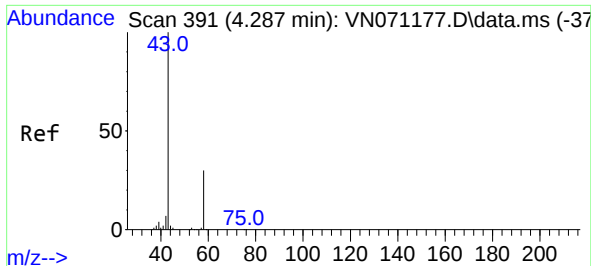
Tgt Ion: 94 Resp: 1931
Ion Ratio Lower Upper
94 100
96 84.8 73.8 110.8



#13
Acrolein
Concen: 0.374 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion: 56 Resp: 840
Ion Ratio Lower Upper
56 100
55 51.4 56.6 85.0#

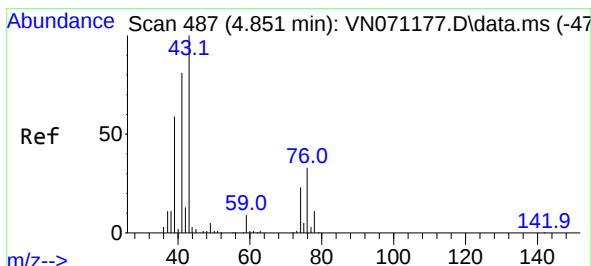
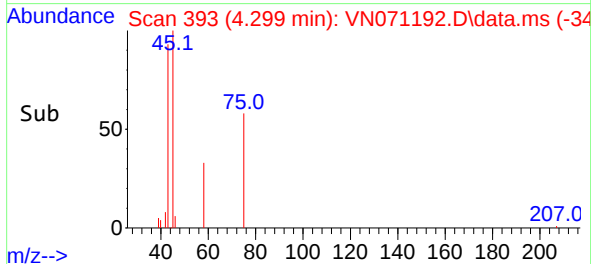
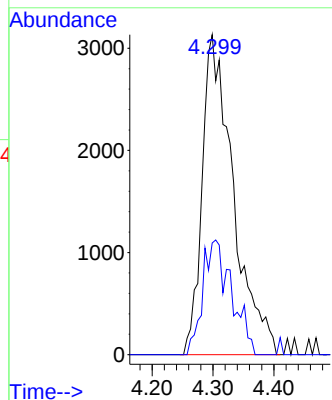
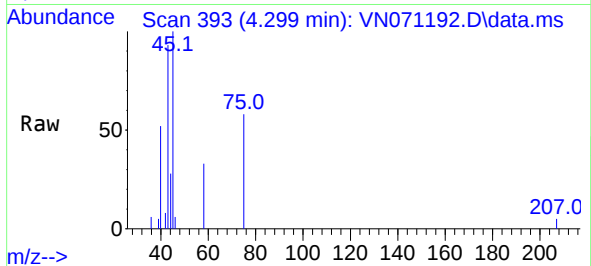




#16
Acetone
Concen: 2.112 ug/l
RT: 4.299 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

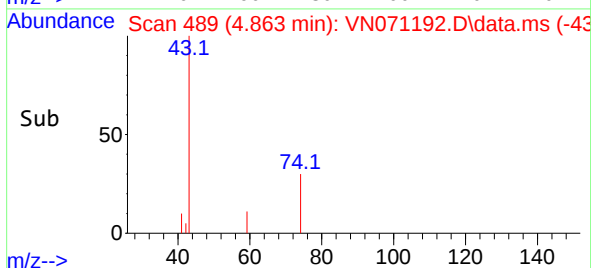
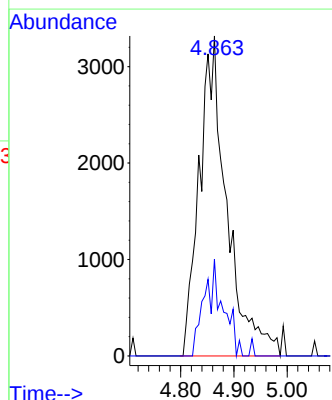
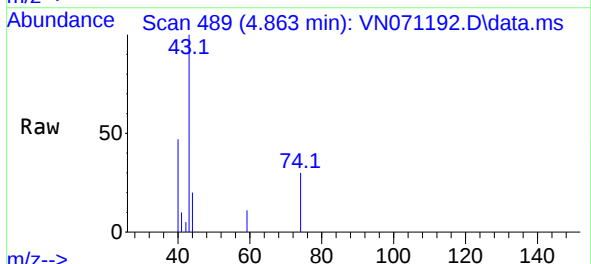
Instrument :
MSVOA_N
ClientSampleId :

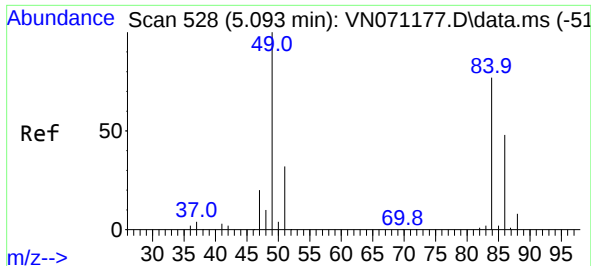
Tgt Ion: 43 Resp: 11107
Ion Ratio Lower Upper
43 100
58 34.9 23.1 34.7#



#18
Methyl Acetate
Concen: 1.304 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

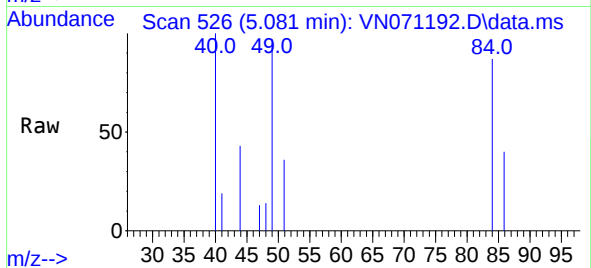
Tgt Ion: 43 Resp: 11889
Ion Ratio Lower Upper
43 100
74 9.0 19.4 29.2#



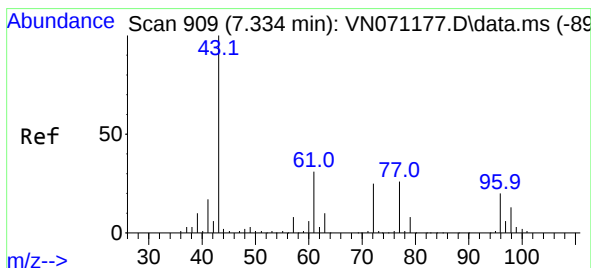
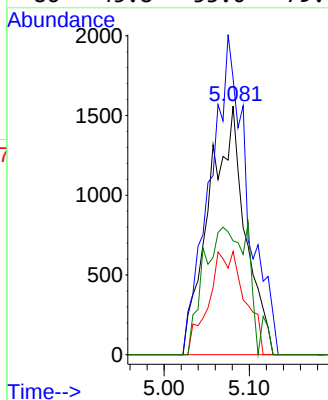
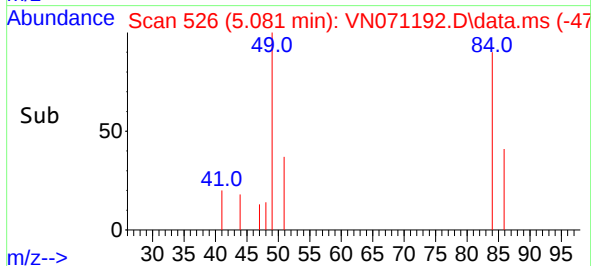


#20
Methylene Chloride
Concen: 0.860 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Instrument :
MSVOA_N
ClientSampleId :

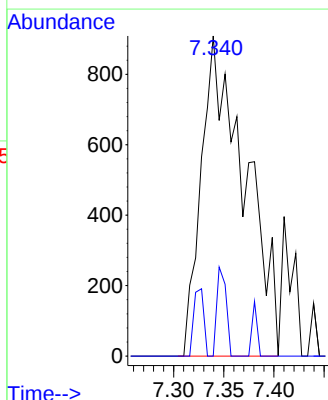
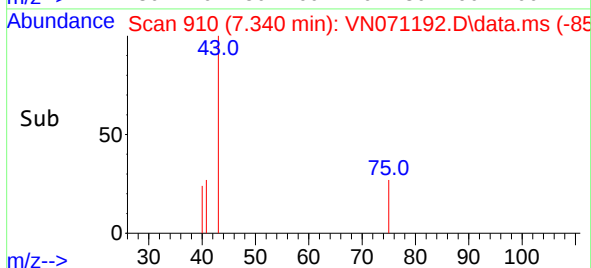
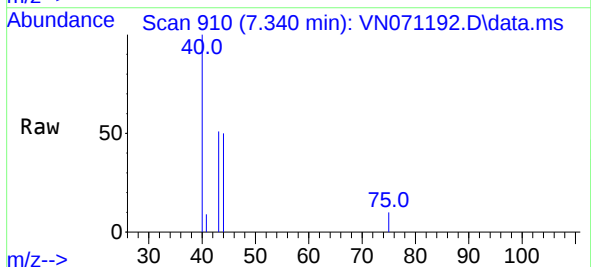


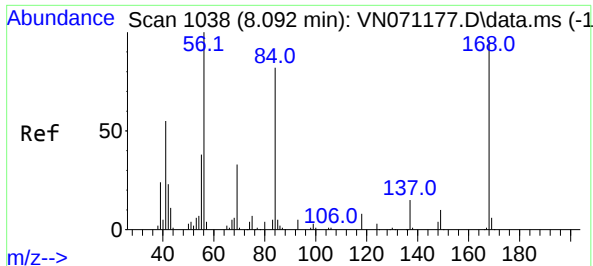
Tgt Ion: 84 Resp: 4634
Ion Ratio Lower Upper
84 100
49 111.2 93.5 140.3
51 41.5 29.4 44.2
86 45.8 53.0 79.4#



#25
2-Butanone
Concen: 0.324 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion: 43 Resp: 2749
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#





#31

Cyclohexane

Concen: 0.983 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.018 min

Lab File: VN071192.D

Acq: 08 Mar 2022 16:05

Instrument :

MSVOA_N

ClientSampleId :

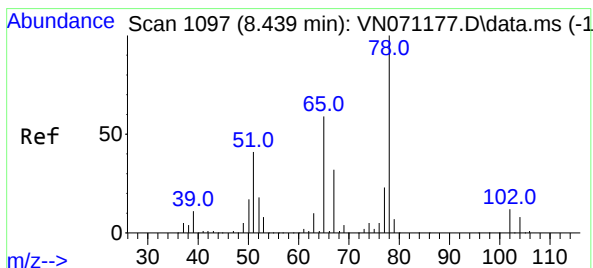
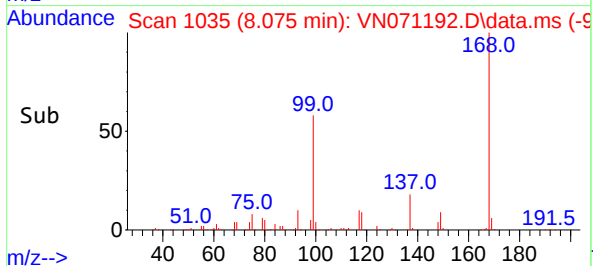
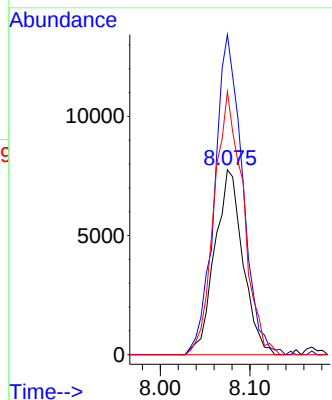
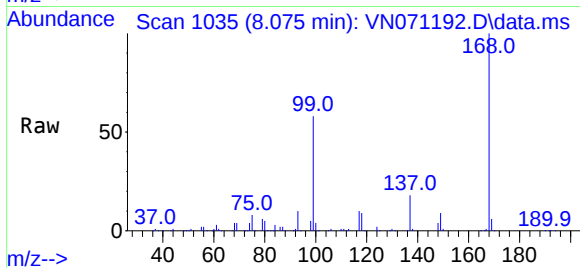
Tgt Ion: 56 Resp: 16978

Ion Ratio Lower Upper

56 100

69 173.0 27.1 40.7#

84 142.2 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.711 ug/l

RT: 8.428 min Scan# 1095

Delta R.T. -0.012 min

Lab File: VN071192.D

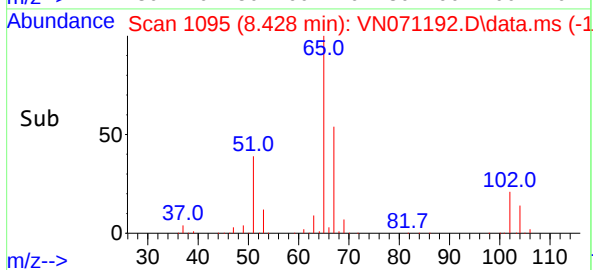
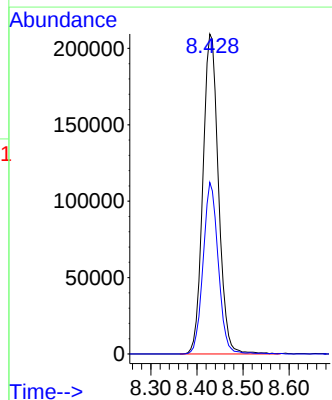
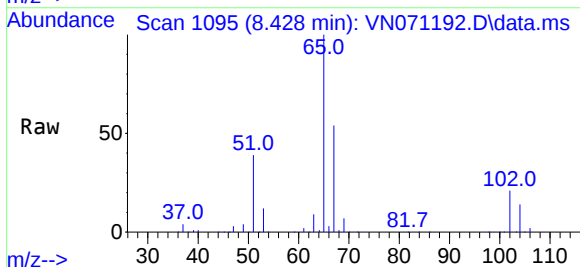
Acq: 08 Mar 2022 16:05

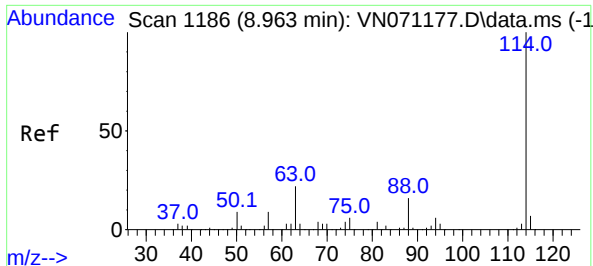
Tgt Ion: 65 Resp: 494160

Ion Ratio Lower Upper

65 100

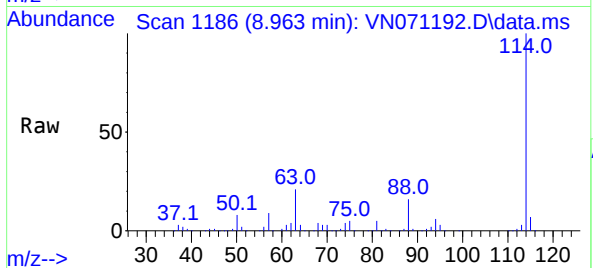
67 51.7 0.0 103.0



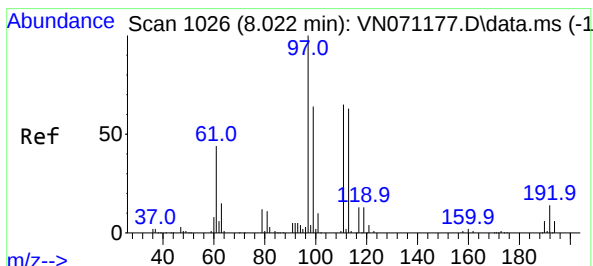
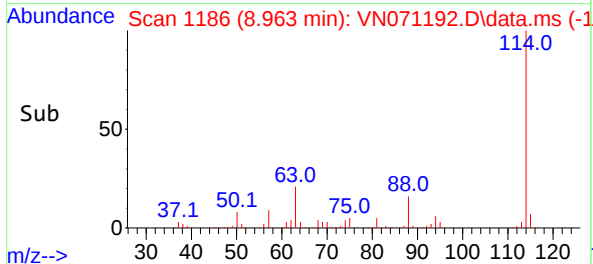
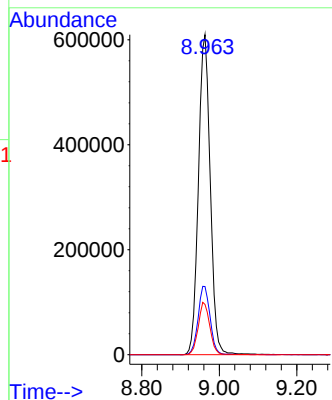


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

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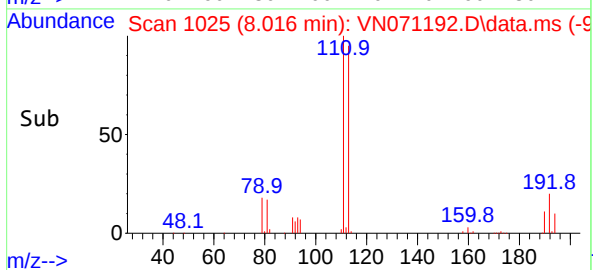
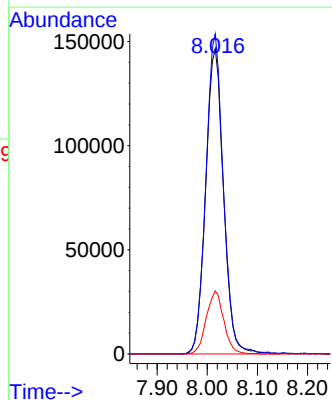
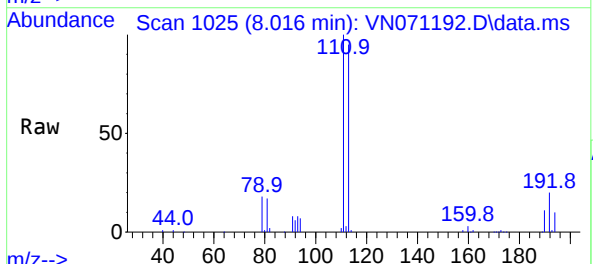


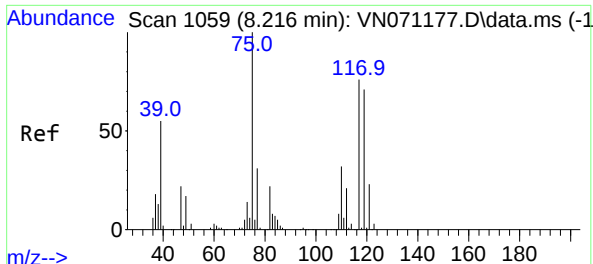
Tgt Ion:114 Resp: 1289503
Ion Ratio Lower Upper
114 100
63 21.3 0.0 37.8
88 15.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 44.512 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion:113 Resp: 362204
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.777 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN071192.D

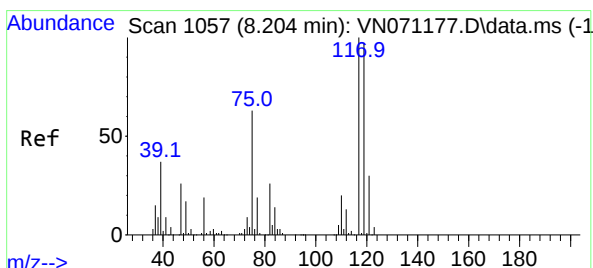
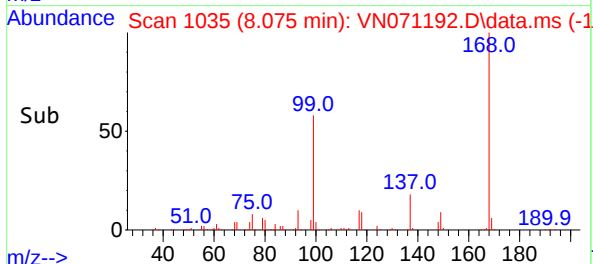
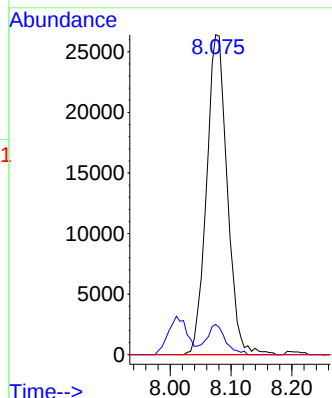
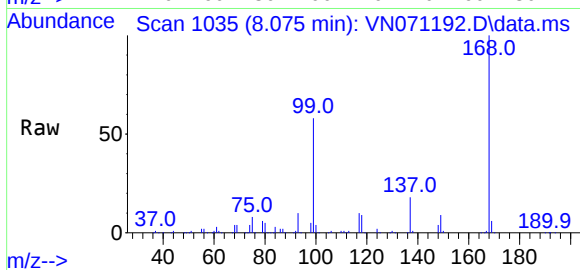
Acq: 08 Mar 2022 16:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 62281
Ion Ratio	Lower Upper
75	100
110	8.5 18.4 55.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.023 ug/l

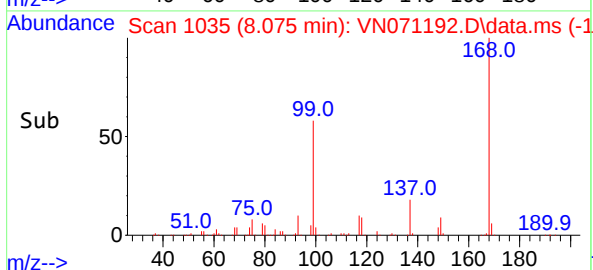
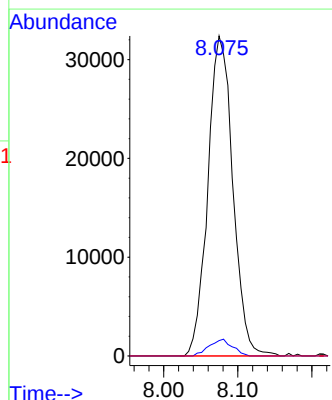
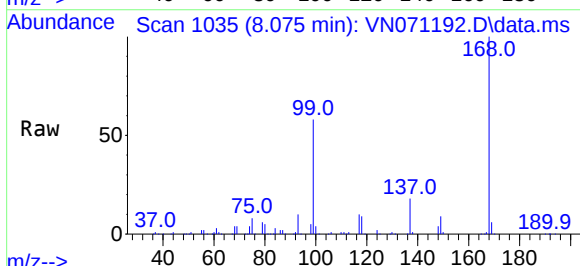
RT: 8.075 min Scan# 1035

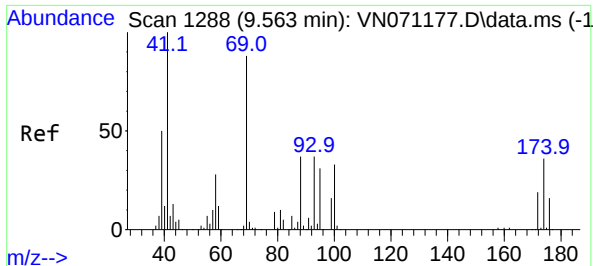
Delta R.T. -0.129 min

Lab File: VN071192.D

Acq: 08 Mar 2022 16:05

Tgt Ion: 117	Resp: 75955
Ion Ratio	Lower Upper
117	100
119	4.8 76.1 114.1#
121	0.0 24.2 36.2#

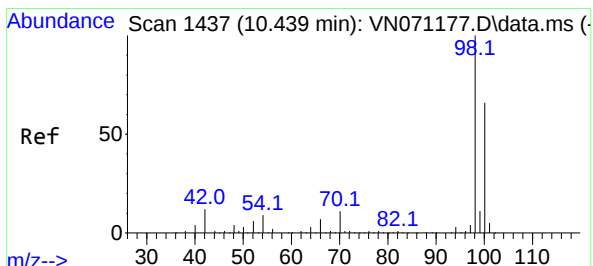
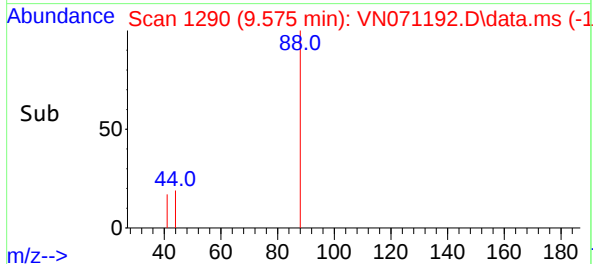
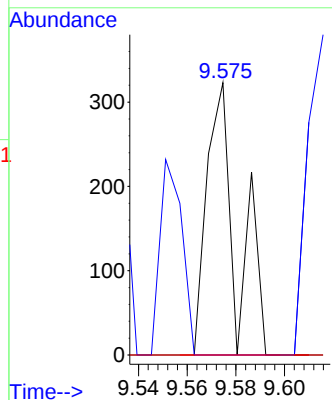
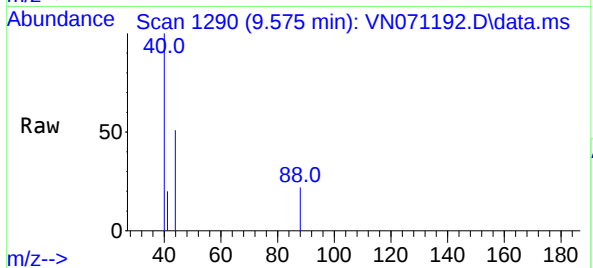




#49
1,4-Dioxane
Concen: 1.272 ug/l
RT: 9.575 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

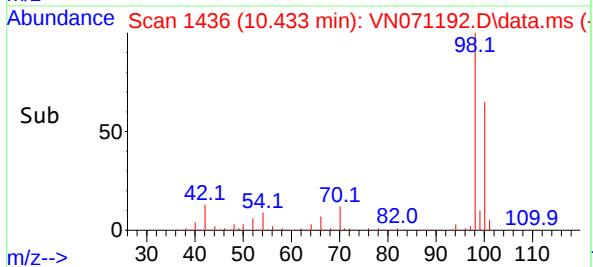
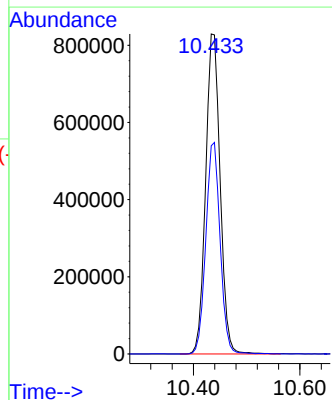
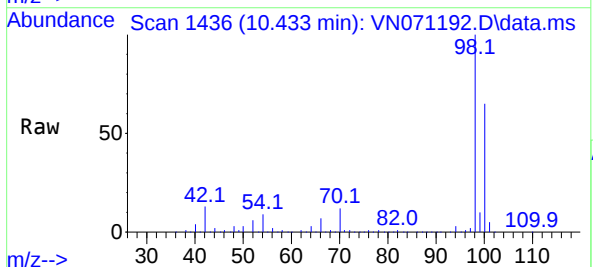
Instrument :
MSVOA_N
ClientSampleId :

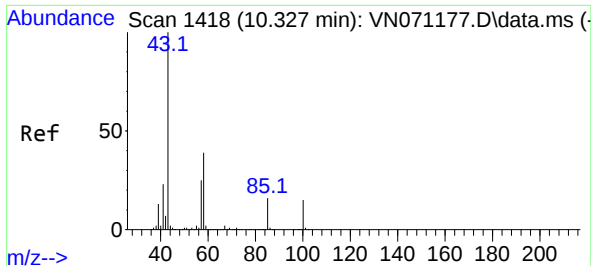
Tgt Ion: 88 Resp: 275
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 47.780 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

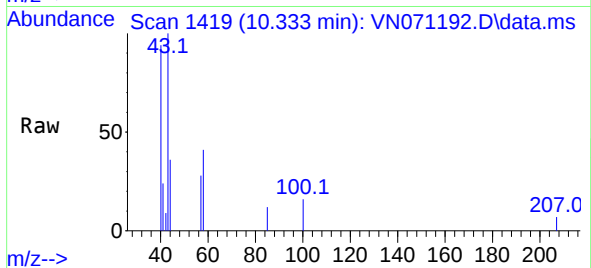
Tgt Ion: 98 Resp: 1565411
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6



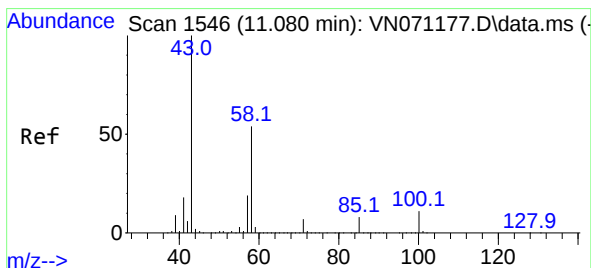
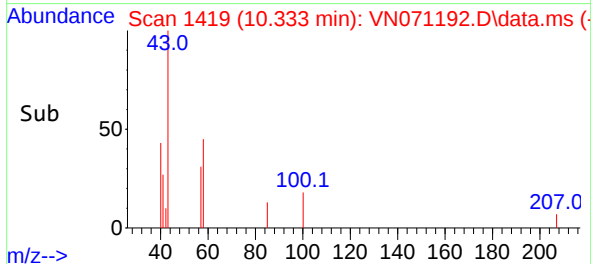
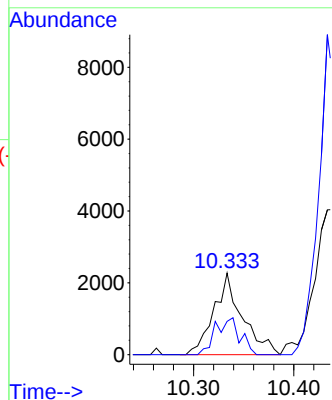


#51
4-Methyl-2-Pentanone
Concen: 0.269 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Instrument :
MSVOA_N
ClientSampleId :

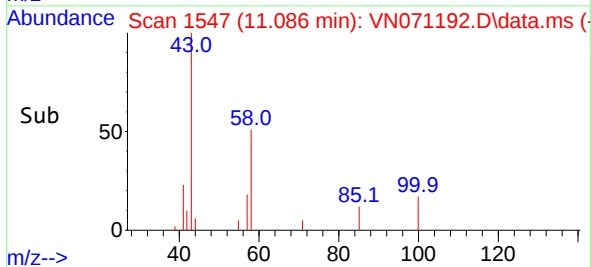
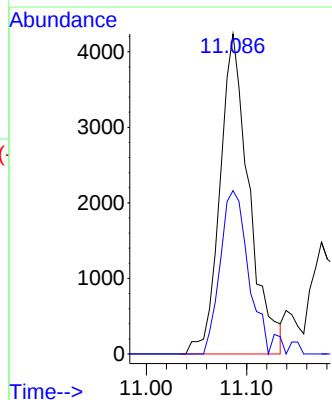
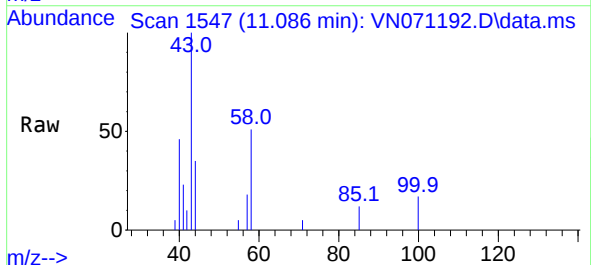


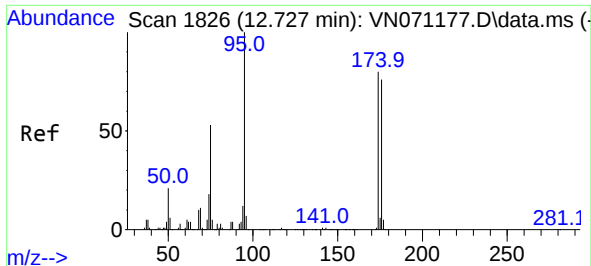
Tgt Ion: 43 Resp: 4477
Ion Ratio Lower Upper
43 100
58 39.0 30.4 45.6



#59
2-Hexanone
Concen: 0.751 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion: 43 Resp: 8537
Ion Ratio Lower Upper
43 100
58 50.9 26.9 80.7

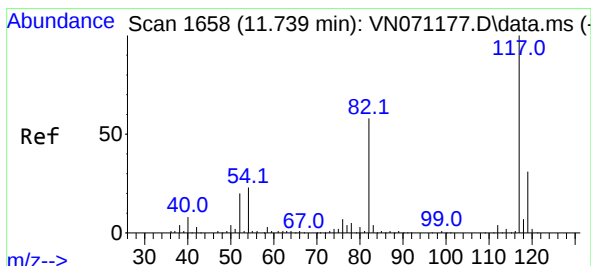
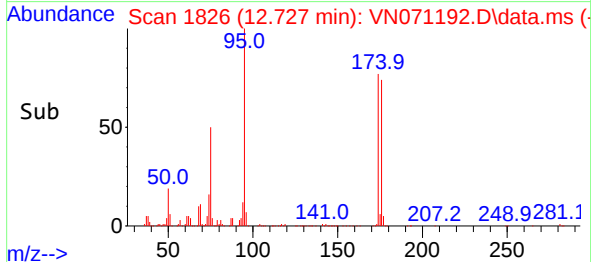
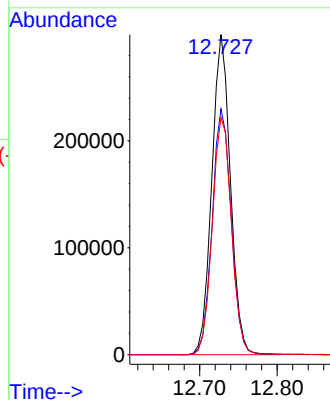
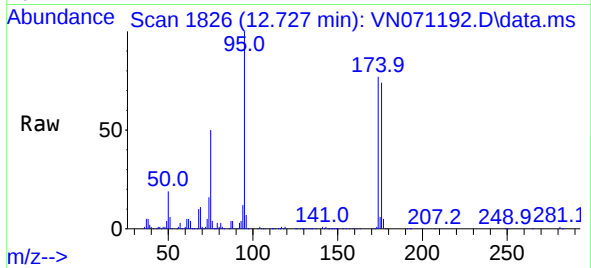




#62
4-Bromofluorobenzene
Concen: 44.978 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

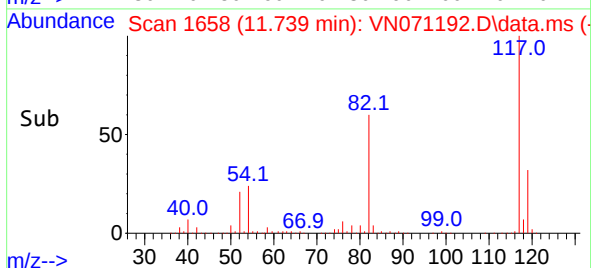
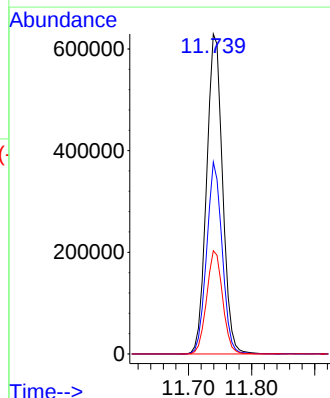
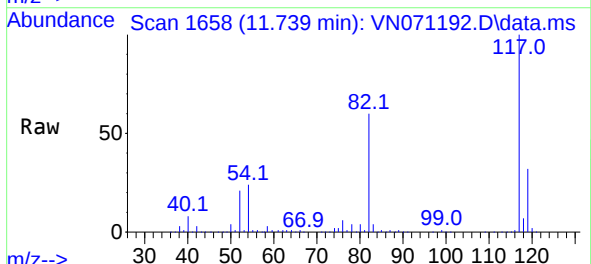
Instrument :
MSVOA_N
ClientSampleId :

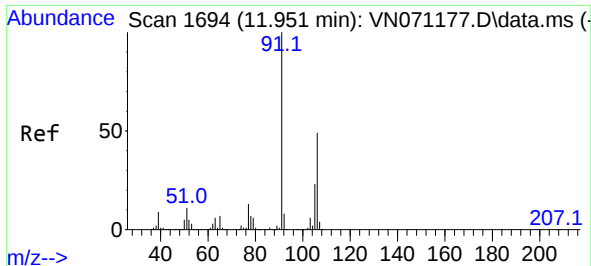
Tgt Ion: 95 Resp: 499001
Ion Ratio Lower Upper
95 100
174 78.8 0.0 187.2
176 76.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion: 117 Resp: 1105654
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.3 25.4 38.2

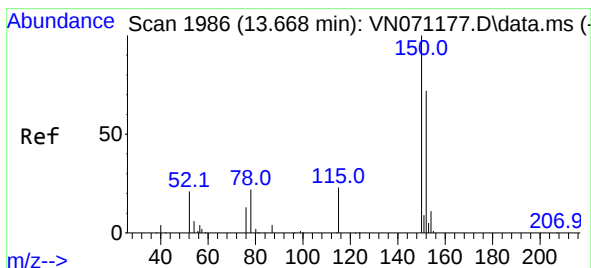
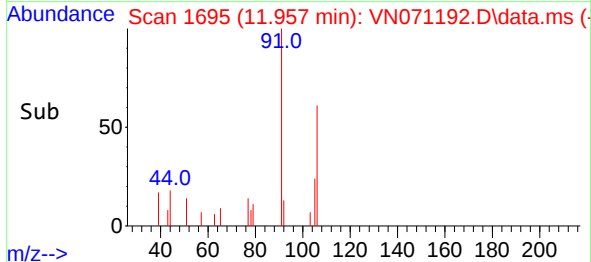
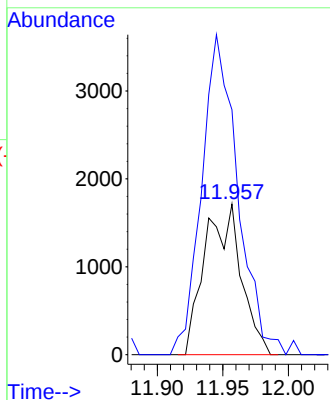
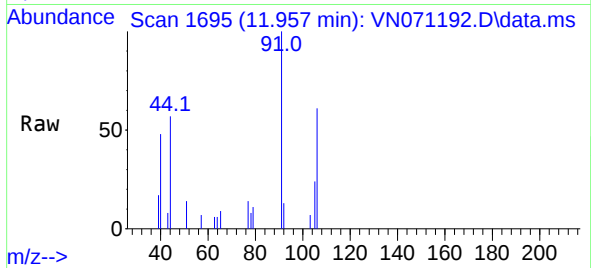




#68
m/p-Xylenes
Concen: 0.215 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

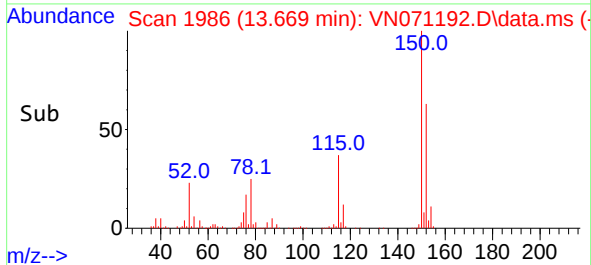
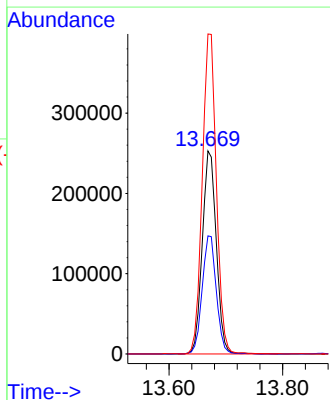
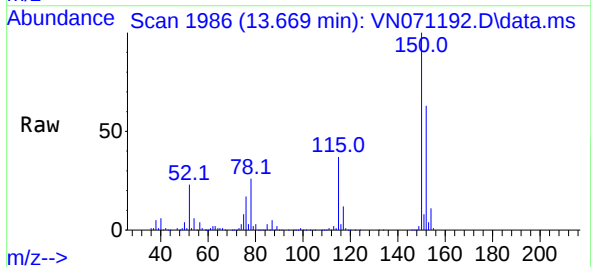
Instrument :
MSVOA_N
ClientSampleId :

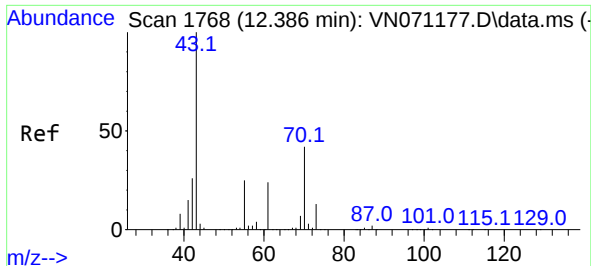
Tgt Ion:106 Resp: 3309
Ion Ratio Lower Upper
106 100
91 212.5 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

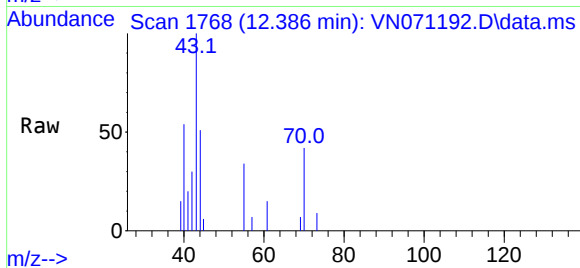
Tgt Ion:152 Resp: 431768
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 158.1 0.0 344.4



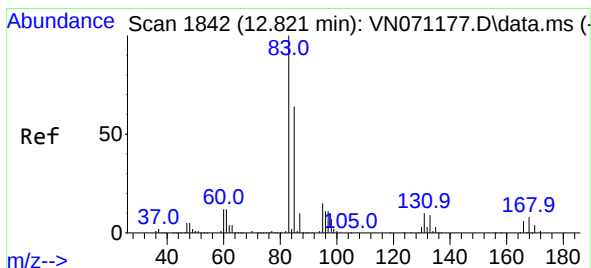
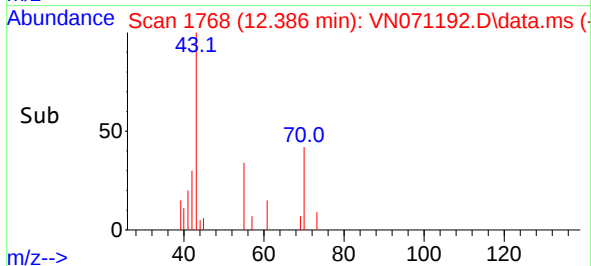
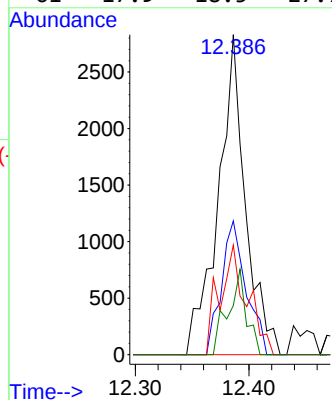


#74
N-amy1 acetate
Concen: 0.304 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Instrument :
MSVOA_N
ClientSampleId :

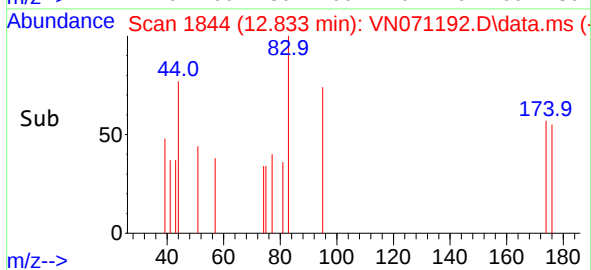
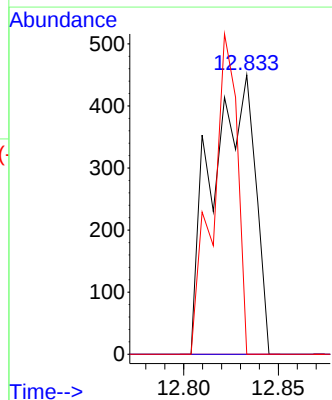
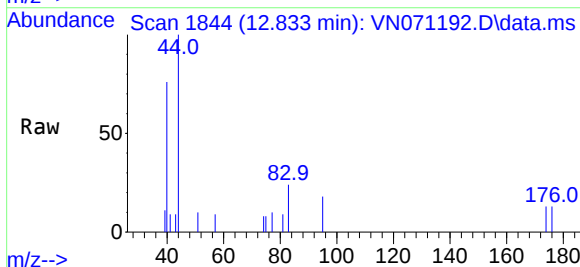


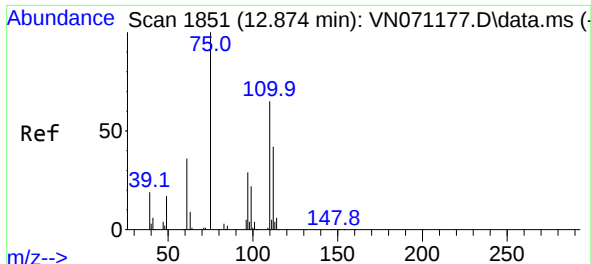
Tgt Ion: 43	Resp: 4750
Ion Ratio	Lower Upper
43 100	
70 37.6	33.4 50.0
55 34.0	19.3 28.9#
61 17.9	18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.833 min Scan# 1844
Delta R.T. 0.012 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion: 83	Resp: 714
Ion Ratio	Lower Upper
83 100	
131 0.0	5.5 16.5#
85 66.0	32.4 97.2

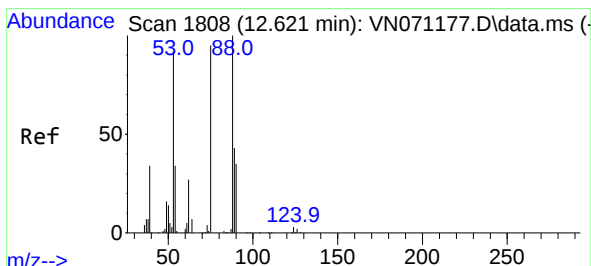
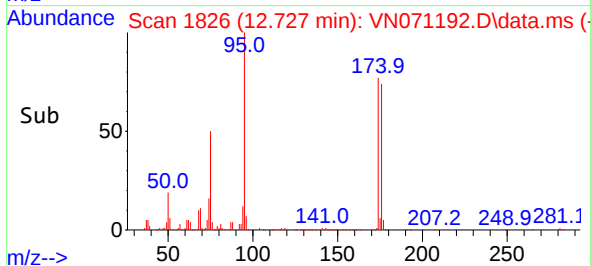
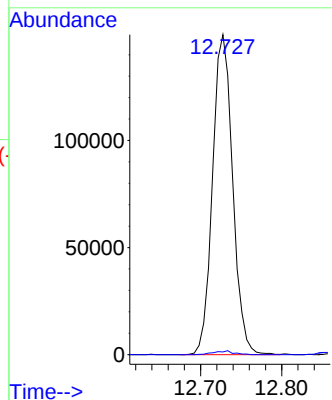
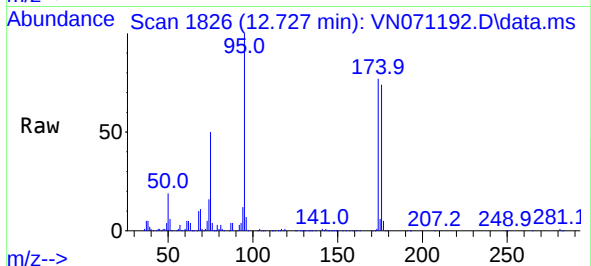




#76
1,2,3-Trichloropropane
Concen: 23.040 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

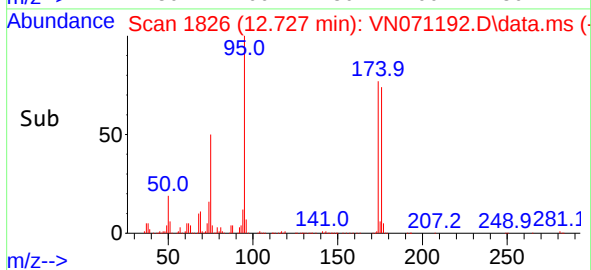
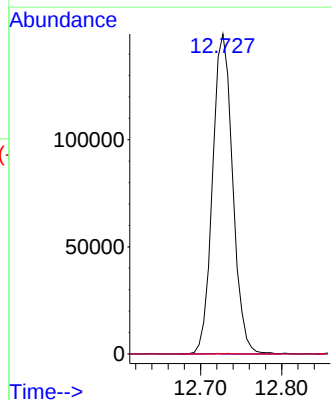
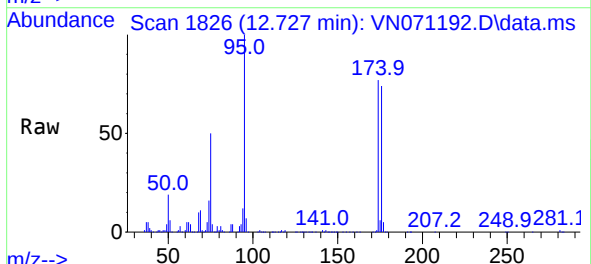
Instrument :
MSVOA_N
ClientSampleId :

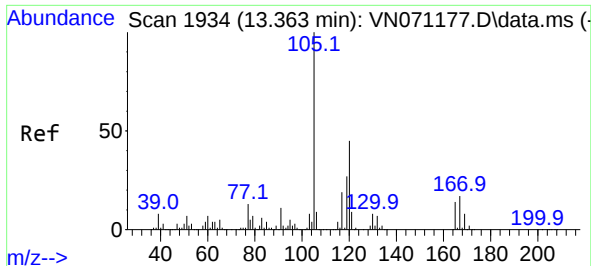
Tgt Ion: 75 Resp: 257027
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.351 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion: 75 Resp: 257027
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 38.2 57.4#

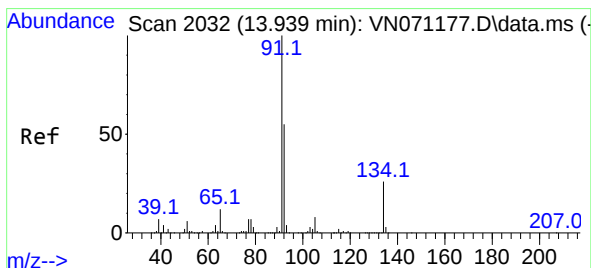
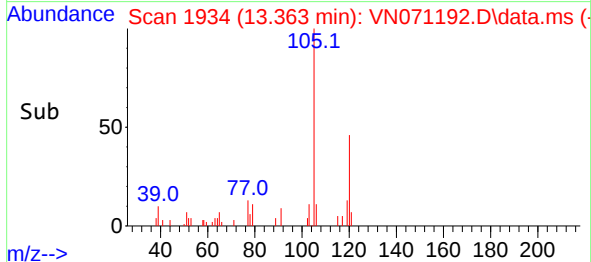
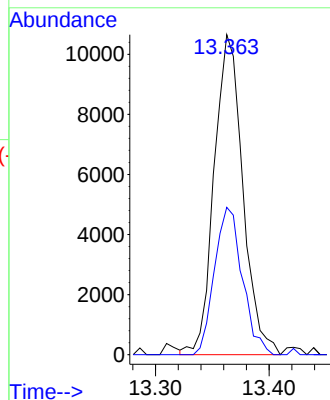
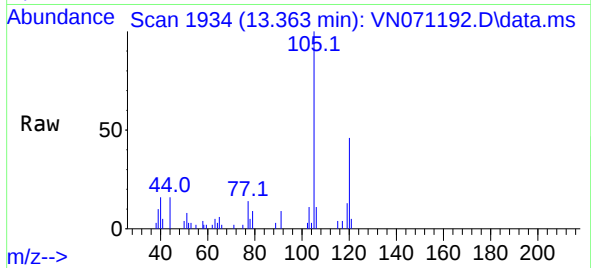




#84
1,2,4-Trimethylbenzene
Concen: 0.602 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

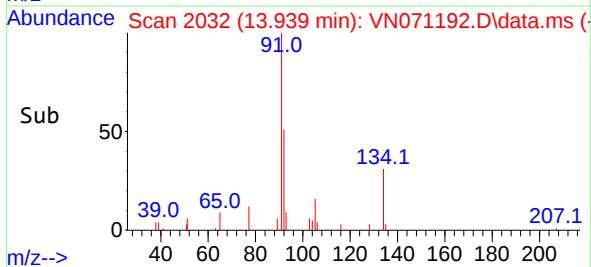
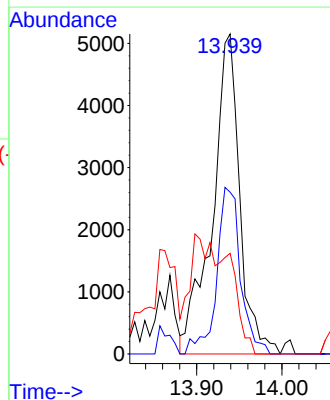
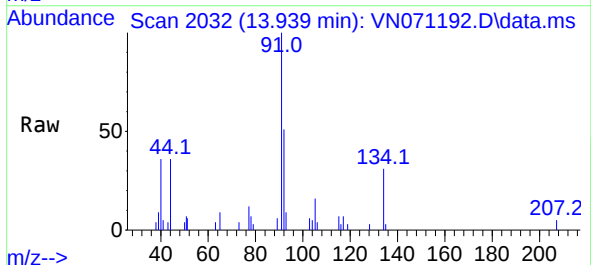
Instrument :
MSVOA_N
ClientSampleId :

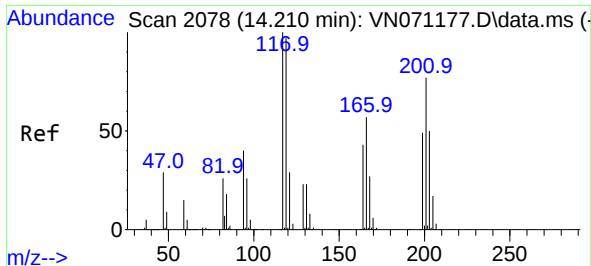
Tgt Ion:105 Resp: 18683
Ion Ratio Lower Upper
105 100
120 44.7 22.8 68.4



#89
n-Butylbenzene
Concen: 0.486 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

Tgt Ion: 91 Resp: 11488
Ion Ratio Lower Upper
91 100
92 45.4 25.4 76.0
134 0.0 13.6 40.8#

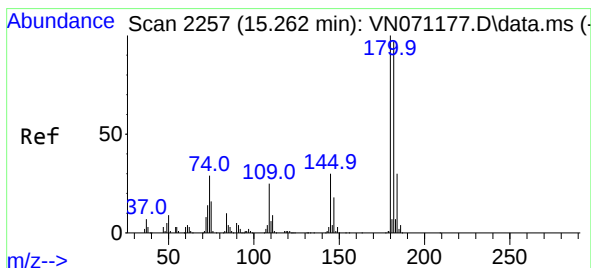
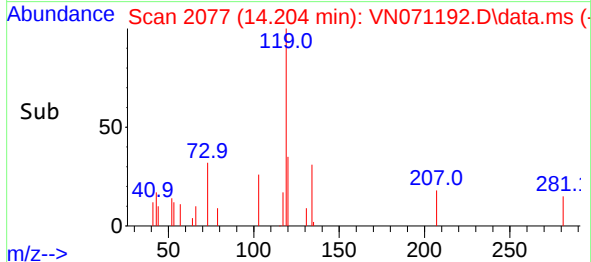
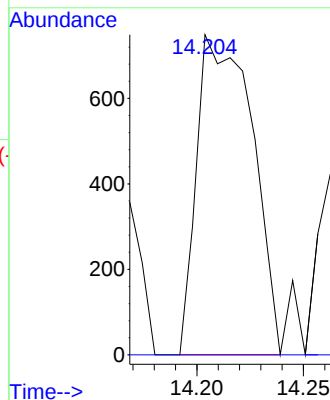
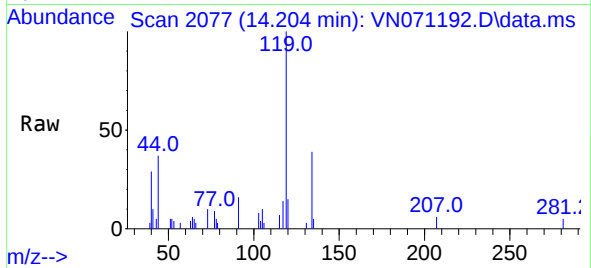




#90
Hexachloroethane
Concen: 0.226 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. -0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

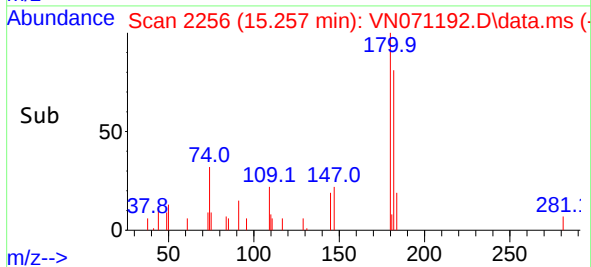
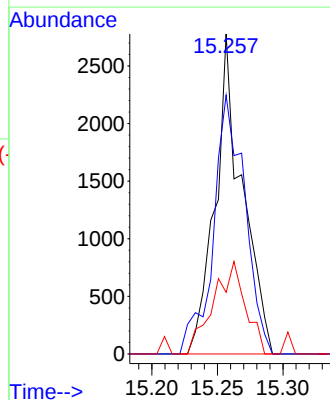
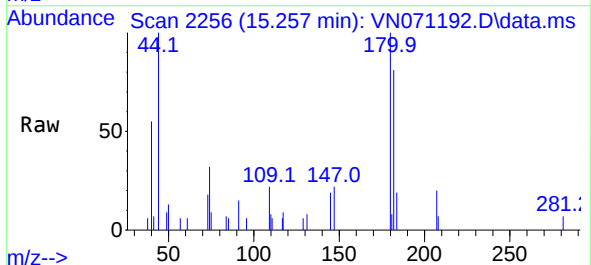
Instrument :
MSVOA_N
ClientSampleId :

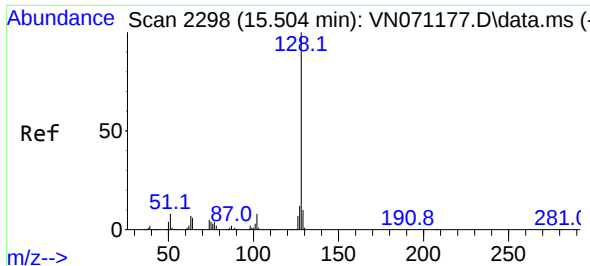
Tgt Ion:117 Resp: 1355
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



#93
1,2,4-Trichlorobenzene
Concen: 3.518 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

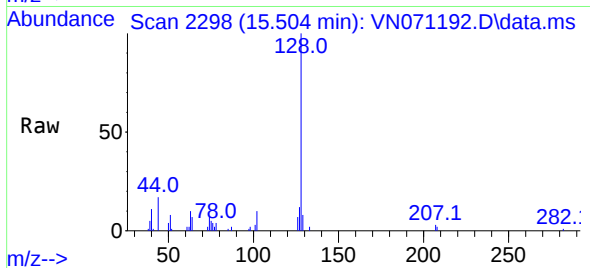
Tgt Ion:180 Resp: 3980
Ion Ratio Lower Upper
180 100
182 93.9 48.3 144.9
145 34.3 14.5 43.5



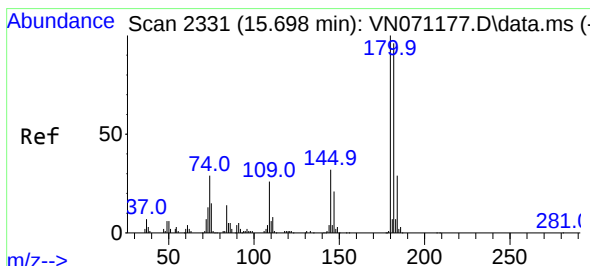
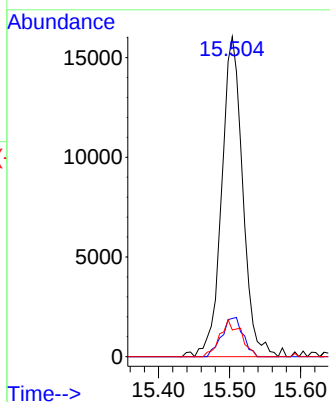
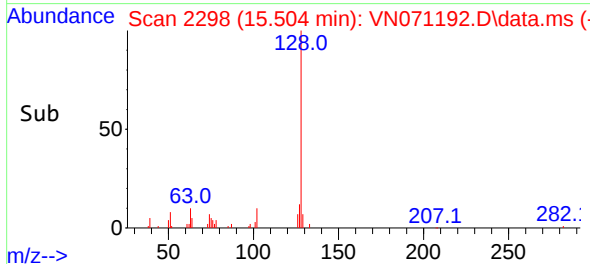


#95
Naphthalene
Concen: 6.569 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05

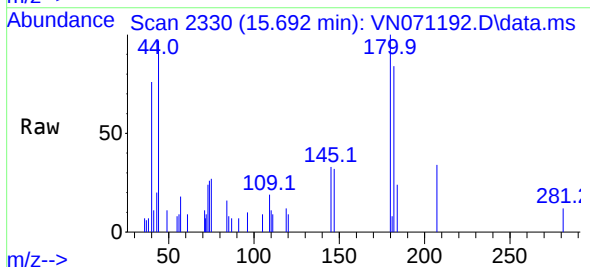
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 33063
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.363 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071192.D
Acq: 08 Mar 2022 16:05



Tgt Ion:180 Resp: 4528
Ion Ratio Lower Upper
180 100
182 96.2 47.4 142.2
145 36.9 15.0 45.1

