

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071215.D
 Acq On : 09 Mar 2022 17:21
 Operator : JC\MD
 Sample : PB143182ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 00:58:19 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

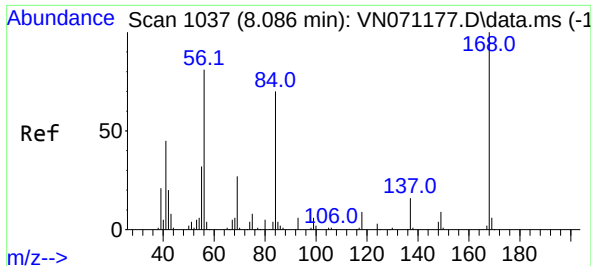
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	858713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1408809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1296065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	451226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	542269	46.076	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.160%
35) Dibromofluoromethane	8.022	113	409261	46.036	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.080%
50) Toluene-d8	10.439	98	1749194	48.868	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.740%
62) 4-Bromofluorobenzene	12.727	95	605172	49.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3108	0.212	ug/l	94
5) Bromomethane	2.846	94	472	Below Cal		92
13) Acrolein	4.057	56	894	0.365	ug/l	99
16) Acetone	4.287	43	47784	8.344	ug/l #	87
18) Methyl Acetate	4.869	43	12856	1.298	ug/l #	77
20) Methylene Chloride	5.098	84	52829	5.391	ug/l #	86
25) 2-Butanone	7.339	43	8827	0.957	ug/l	98
29) Tetrahydrofuran	7.704	42	1507	0.236	ug/l #	39
31) Cyclohexane	8.092	56	18439	0.981	ug/l #	27
36) 1,1-Dichloropropene	8.086	75	68023	4.776	ug/l #	49
37) Ethyl Acetate	7.339	43	8827	0.450	ug/l #	68
38) Carbon Tetrachloride	8.086	117	84121	6.106	ug/l #	18
43) Isopropyl Acetate	8.557	43	92624	3.160	ug/l #	87
45) 1,2-Dichloropropane	9.616	63	5386	0.468	ug/l #	44
48) Methyl methacrylate	9.545	41	21149	1.557	ug/l #	8
49) 1,4-Dioxane	9.580	88	120	0.508	ug/l #	27
51) 4-Methyl-2-Pentanone	10.327	43	16513	0.908	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	119507	6.924	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	71094	3.740	ug/l #	43
59) 2-Hexanone	11.086	43	1117895	90.058	ug/l #	49
71) Bromoform	12.727	173	3057	0.394	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.733	83	342	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	308090	26.866	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	308090	73.809	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	627	3.069	ug/l #	92
95) Naphthalene	15.498	128	2464	5.175	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.686	180	611	2.813	ug/l #	90

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

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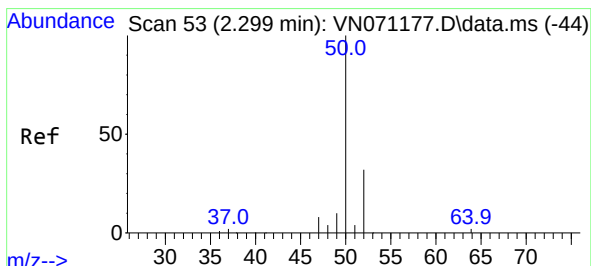
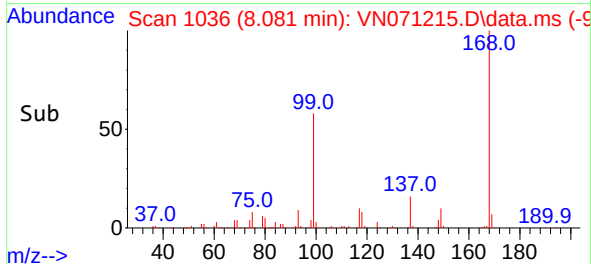
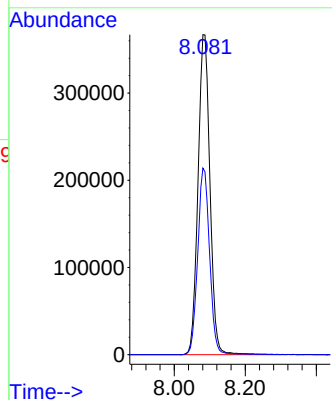
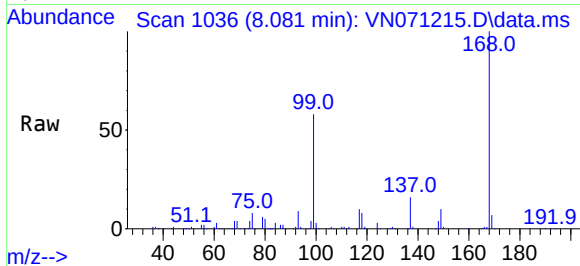




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

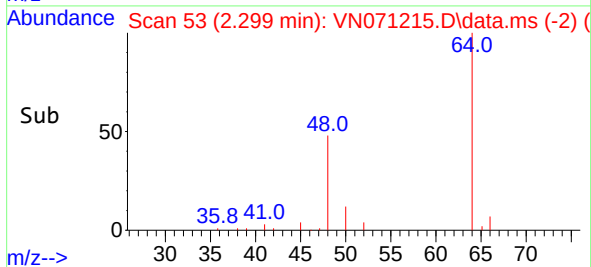
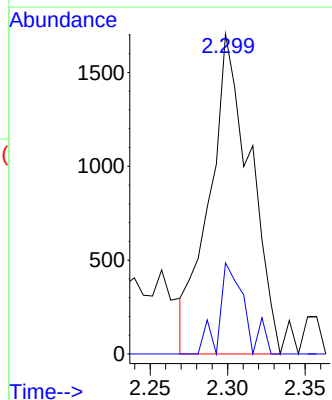
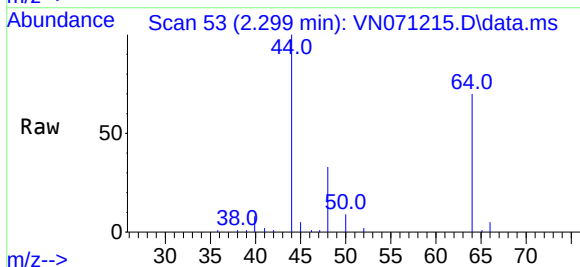
Instrument :
MSVOA_N
ClientSampleId :

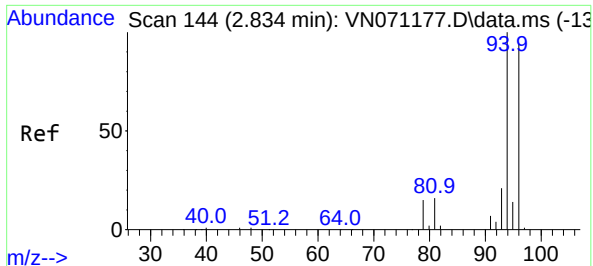
Tgt Ion:168 Resp: 858713
Ion Ratio Lower Upper
168 100
99 58.3 41.3 61.9



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 50 Resp: 3108
Ion Ratio Lower Upper
50 100
52 28.4 25.4 38.0

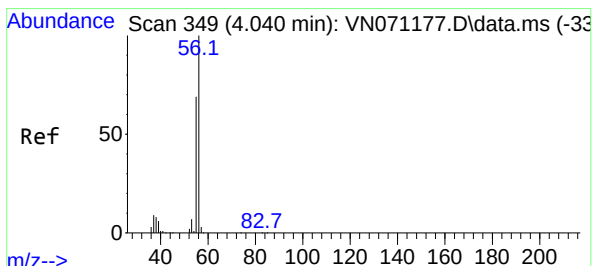
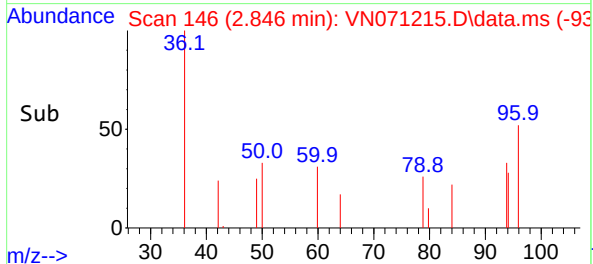
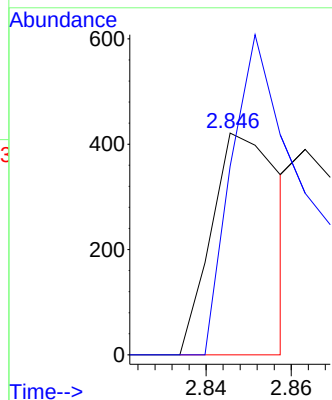
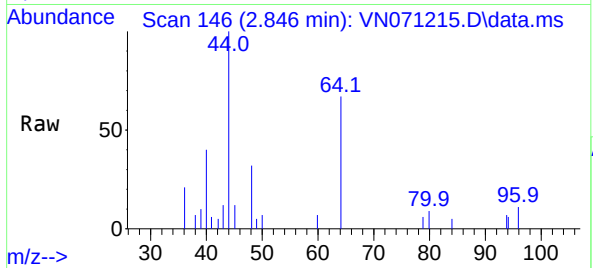




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

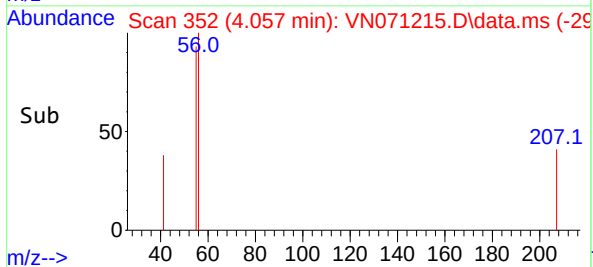
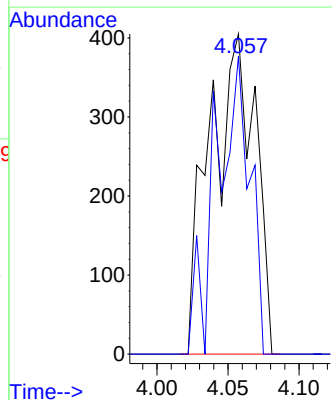
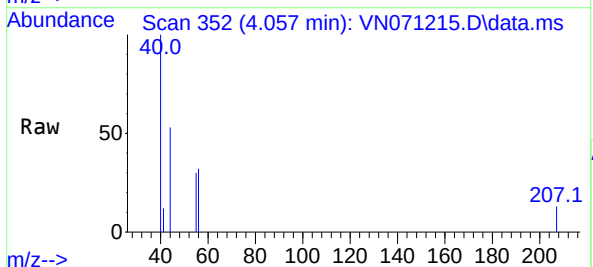
Instrument :
MSVOA_N
ClientSampleId :

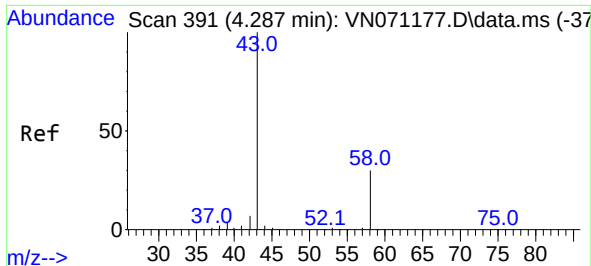
Tgt Ion: 94 Resp: 472
Ion Ratio Lower Upper
94 100
96 85.0 73.8 110.8



#13
Acrolein
Concen: 0.365 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.018 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 56 Resp: 894
Ion Ratio Lower Upper
56 100
55 69.8 56.6 85.0

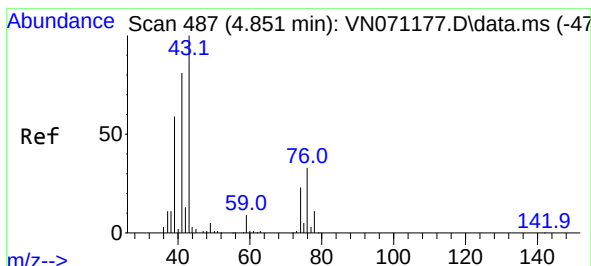
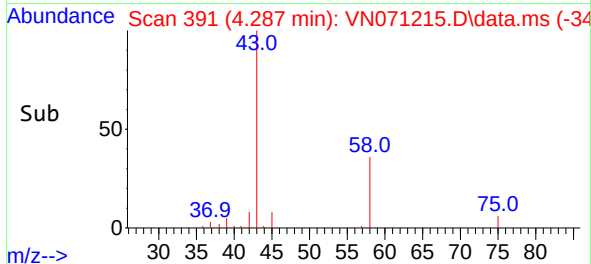
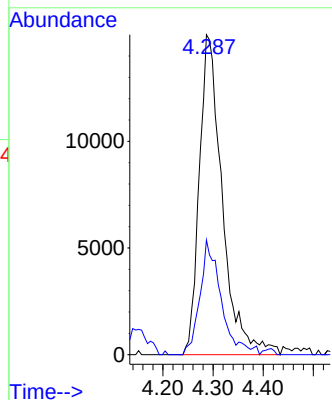
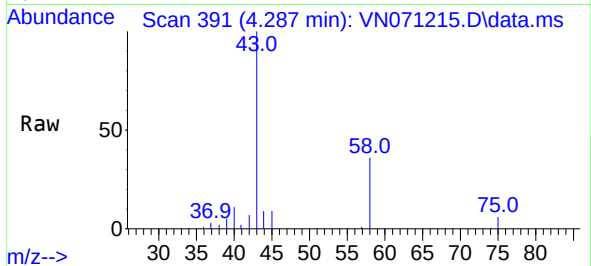




#16
Acetone
Concen: 8.344 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

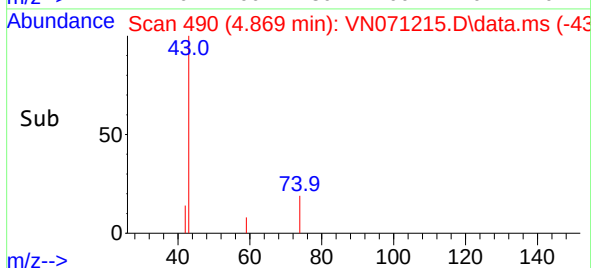
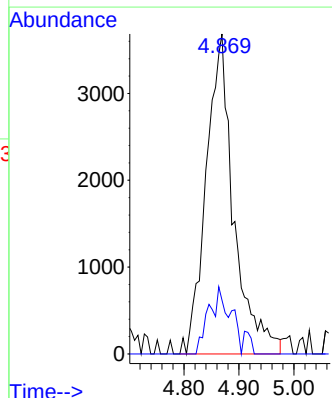
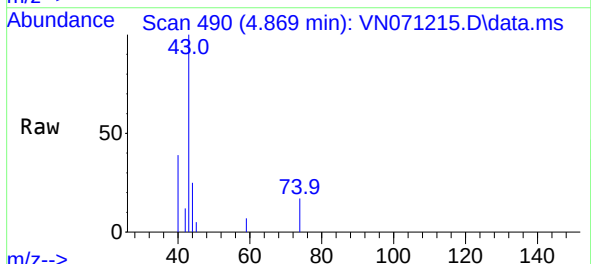
Instrument :
MSVOA_N
ClientSampleId :

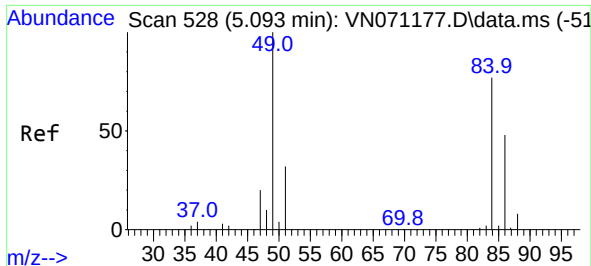
Tgt Ion: 43 Resp: 47784
Ion Ratio Lower Upper
43 100
58 35.8 23.1 34.7#



#18
Methyl Acetate
Concen: 1.298 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

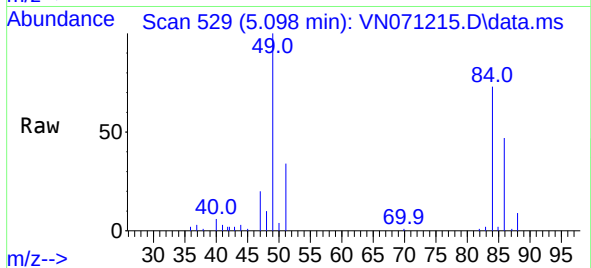
Tgt Ion: 43 Resp: 12856
Ion Ratio Lower Upper
43 100
74 12.7 19.4 29.2#





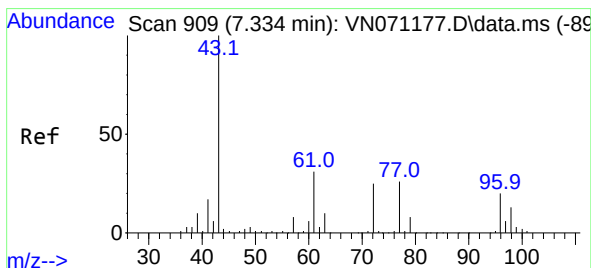
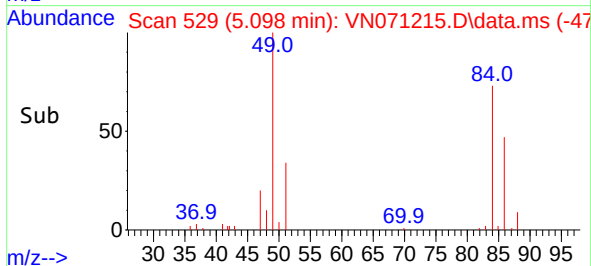
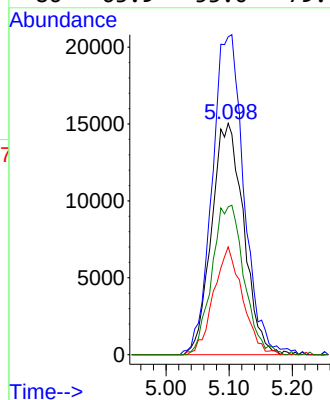
#20
Methylene Chloride
Concen: 5.391 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 52829

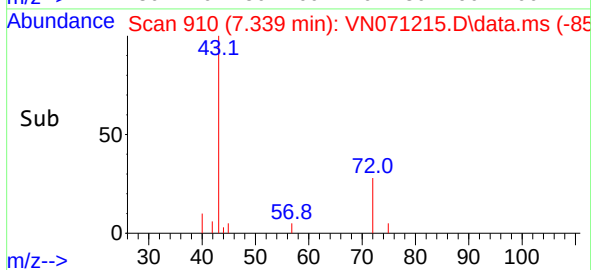
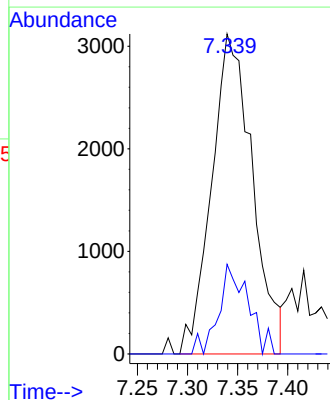
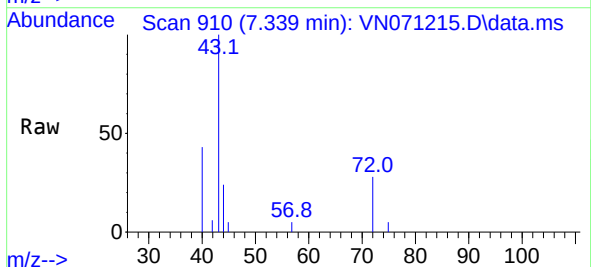
Ion	Ratio	Lower	Upper
84	100		
49	137.4	93.5	140.3
51	46.6	29.4	44.2
86	63.9	53.0	79.4

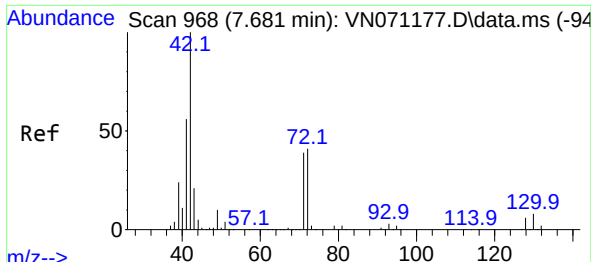


#25
2-Butanone
Concen: 0.957 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 43 Resp: 8827

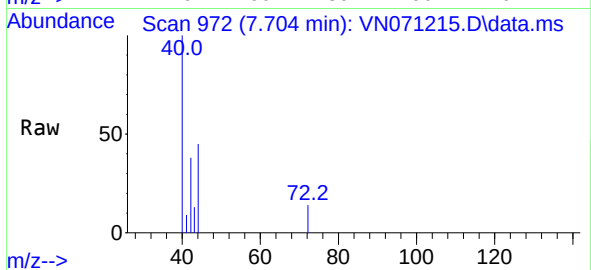
Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.7	32.5



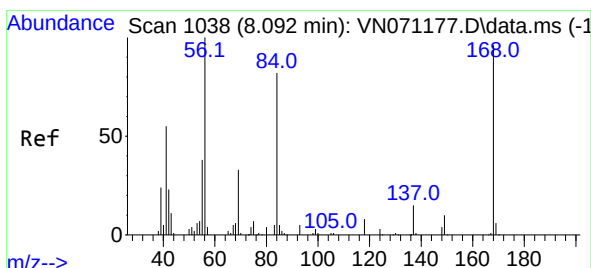
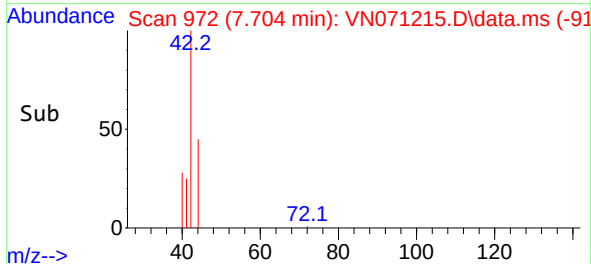
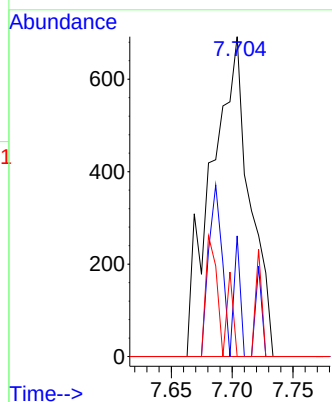


#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Instrument :
MSVOA_N
ClientSampleId :

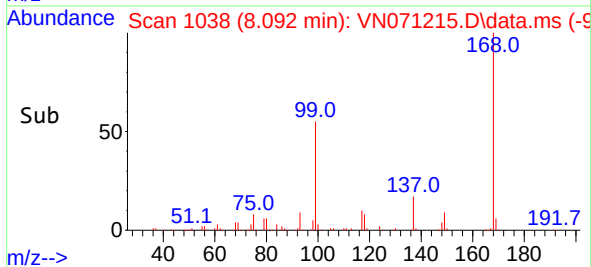
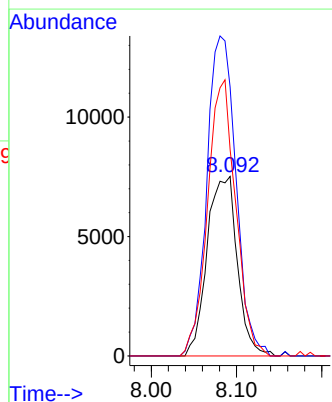
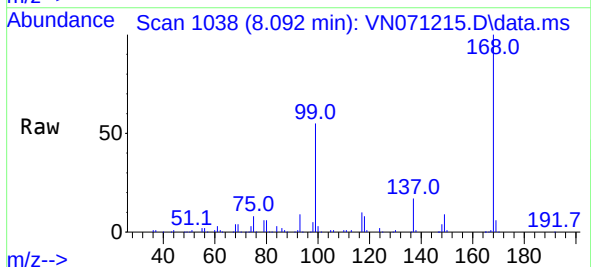


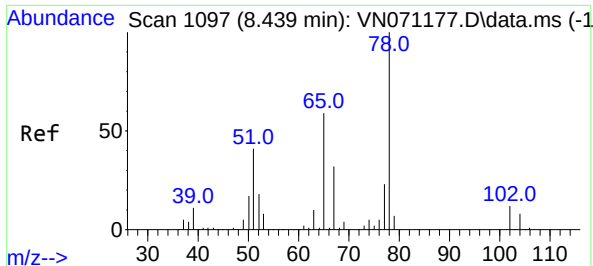
Tgt Ion: 42 Resp: 1507
Ion Ratio Lower Upper
42 100
72 4.6 36.3 54.5#
71 5.4 34.7 52.1#



#31
Cyclohexane
Concen: 0.981 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 56 Resp: 18439
Ion Ratio Lower Upper
56 100
69 149.8 27.1 40.7#
84 115.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.076 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071215.D

Acq: 09 Mar 2022 17:21

Instrument :

MSVOA_N

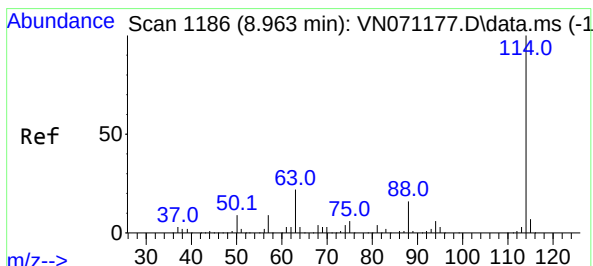
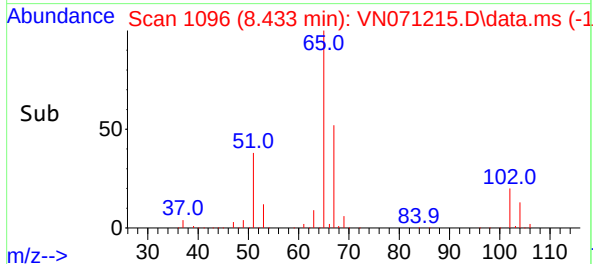
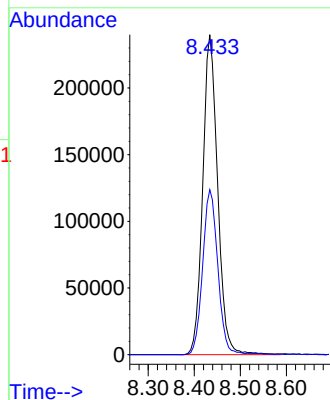
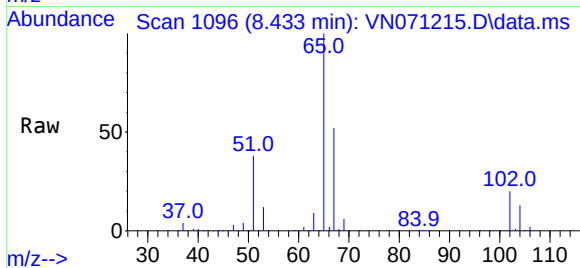
ClientSampleId :

Tgt Ion: 65 Resp: 542269

Ion Ratio Lower Upper

65 100

67 52.3 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: VN071215.D

Acq: 09 Mar 2022 17:21

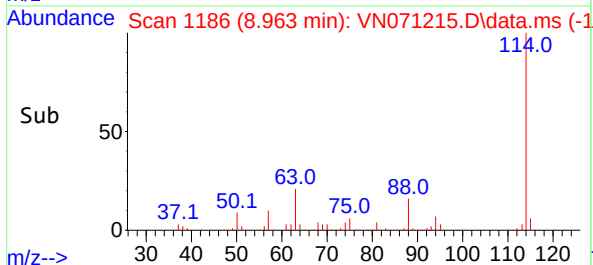
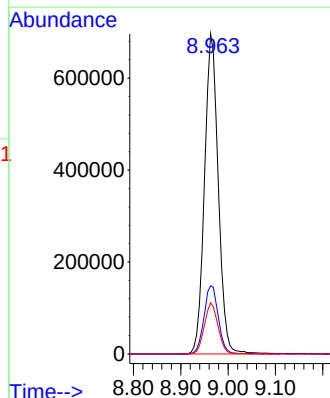
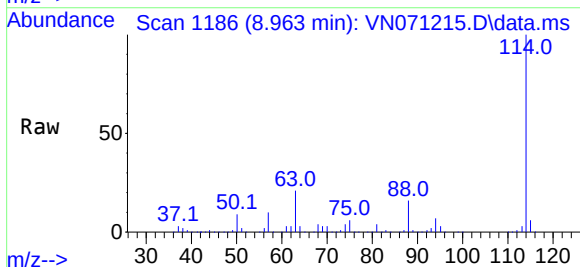
Tgt Ion:114 Resp: 1408809

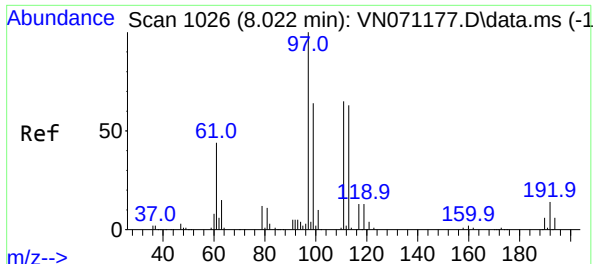
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

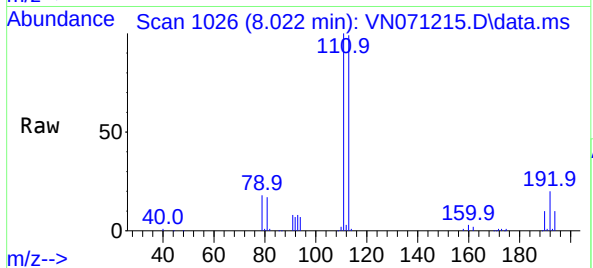
88 16.0 0.0 27.4



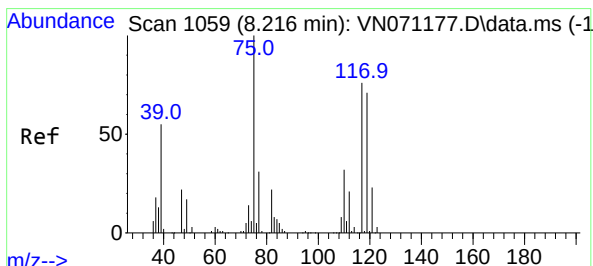
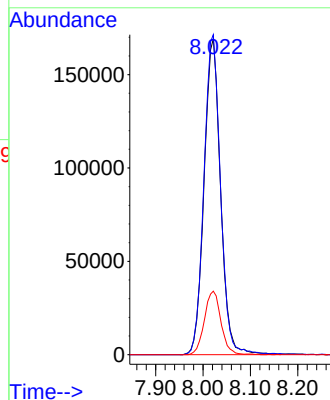
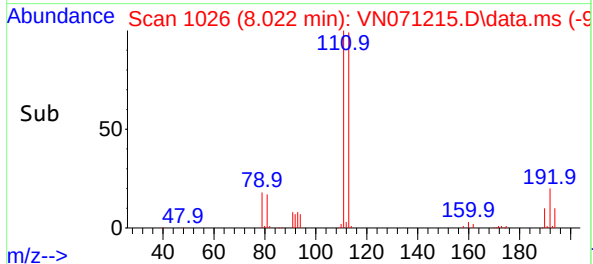


#35
Dibromofluoromethane
Concen: 46.036 ug/l
RT: 8.022 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

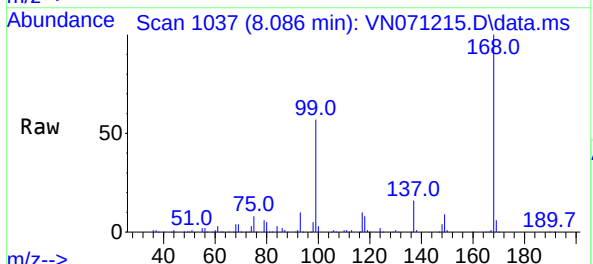
Instrument :
MSVOA_N
ClientSampleId :



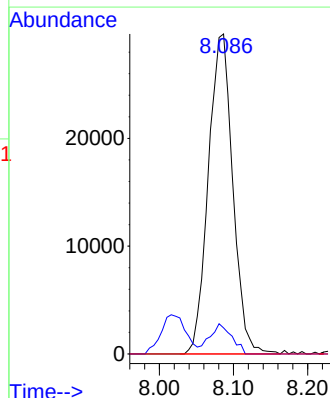
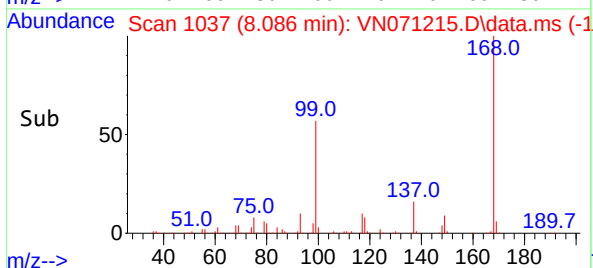
Tgt Ion:113 Resp: 409261
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 20.1 16.9 25.3

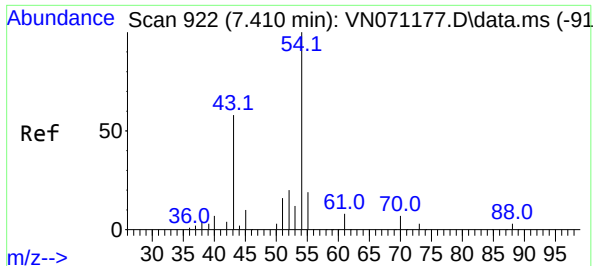


#36
1,1-Dichloropropene
Concen: 4.776 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21



Tgt Ion: 75 Resp: 68023
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.450 ug/l

RT: 7.339 min Scan# 91

Delta R.T. -0.071 min

Lab File: VN071215.D

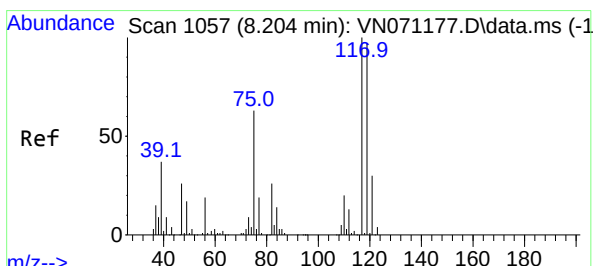
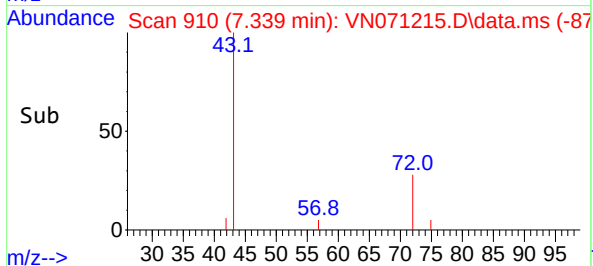
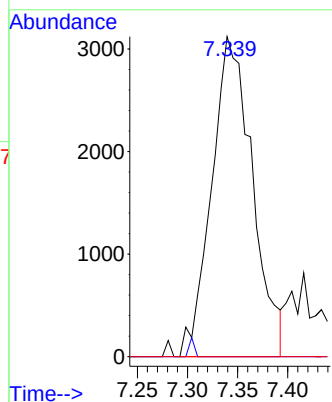
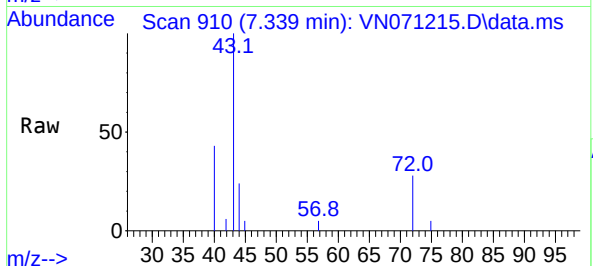
Acq: 09 Mar 2022 17:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 8827
Ion Ratio	Lower Upper
43 100	
61 0.0	11.5 17.3#
70 0.0	7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.106 ug/l

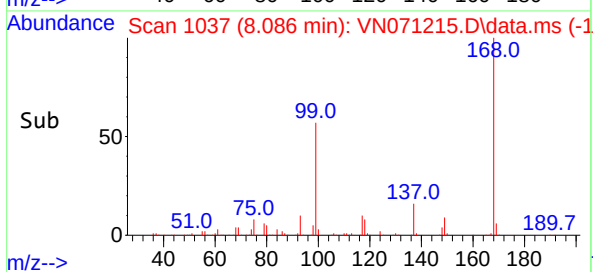
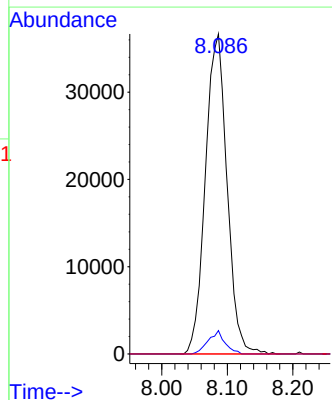
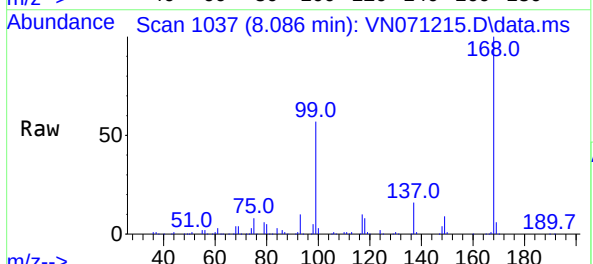
RT: 8.086 min Scan# 1037

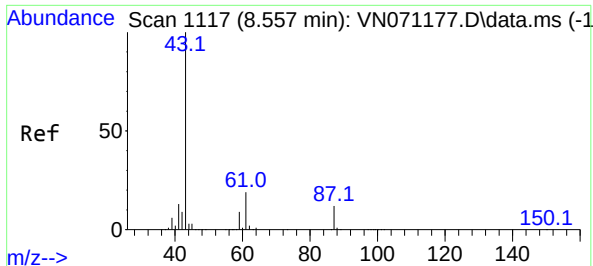
Delta R.T. -0.118 min

Lab File: VN071215.D

Acq: 09 Mar 2022 17:21

Tgt Ion: 117	Resp: 84121
Ion Ratio	Lower Upper
117 100	
119 7.3	76.1 114.1#
121 0.0	24.2 36.2#

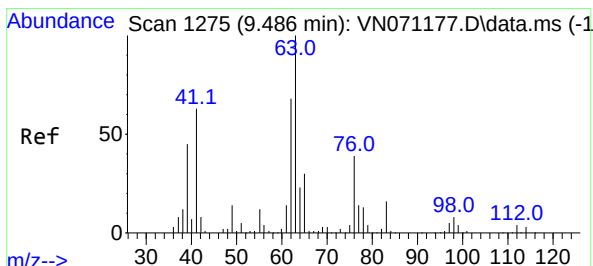
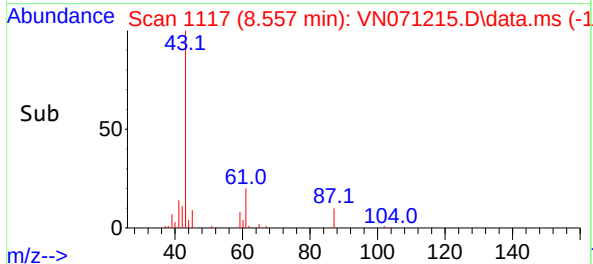
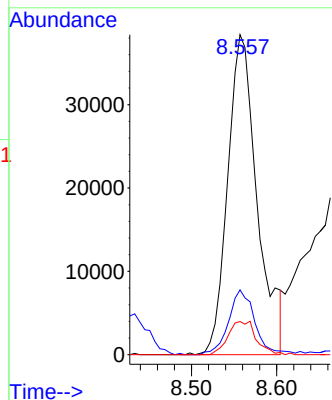
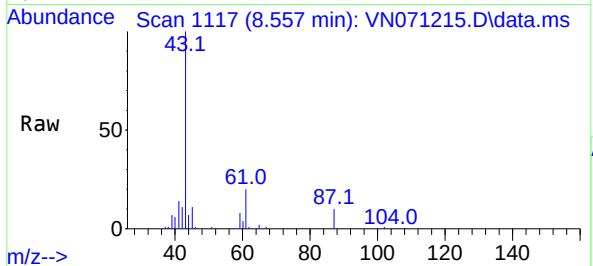




#43
Isopropyl Acetate
Concen: 3.160 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

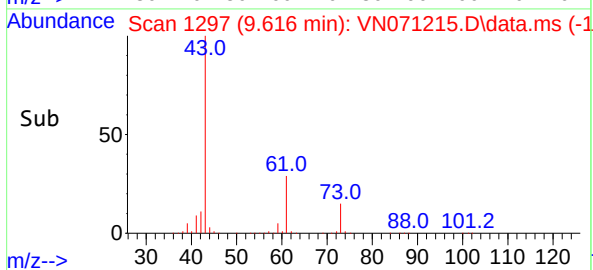
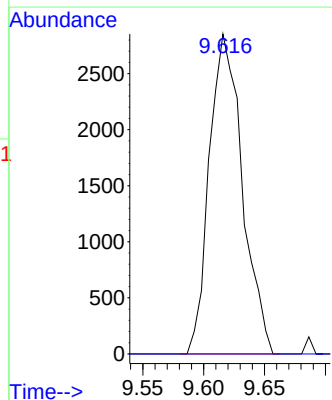
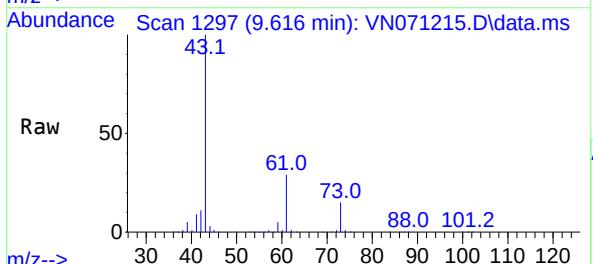
Instrument :
MSVOA_N
ClientSampleId :

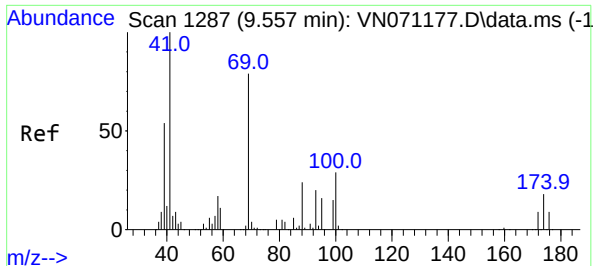
Tgt Ion: 43 Resp: 92624
Ion Ratio Lower Upper
43 100
61 18.1 20.4 30.6#
87 10.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.468 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 63 Resp: 5386
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

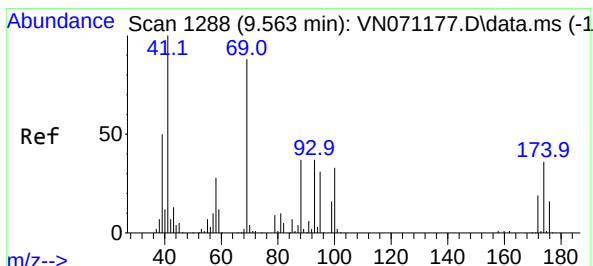
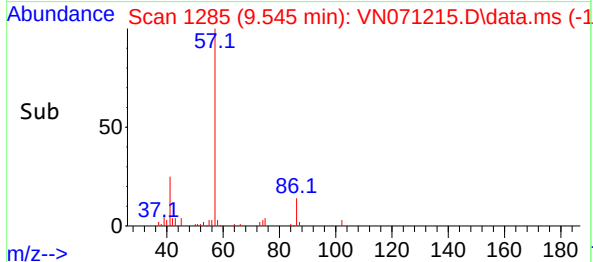
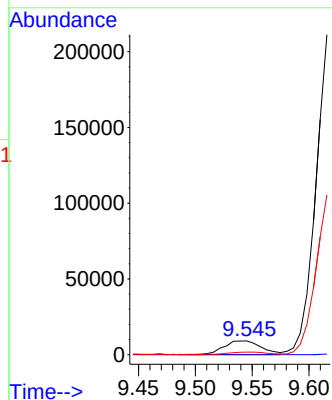
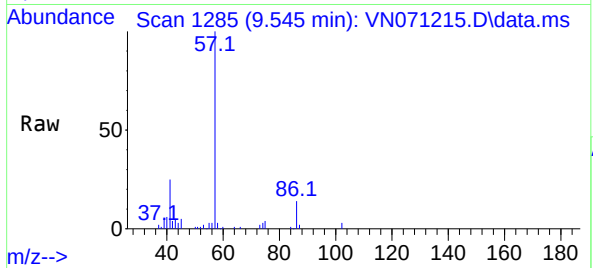




#48
Methyl methacrylate
Concen: 1.557 ug/l
RT: 9.545 min Scan# 1291
Delta R.T. -0.012 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

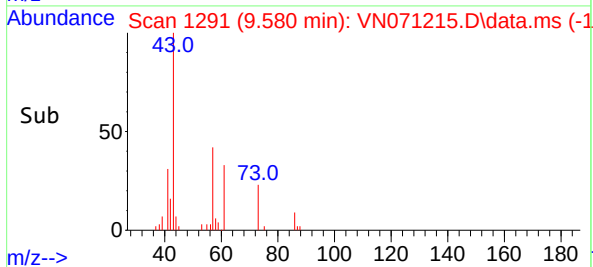
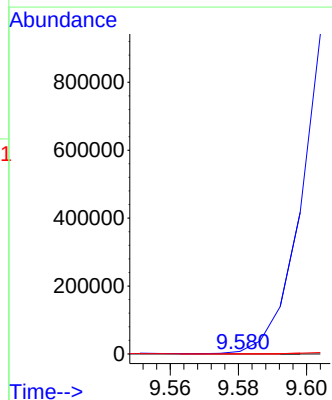
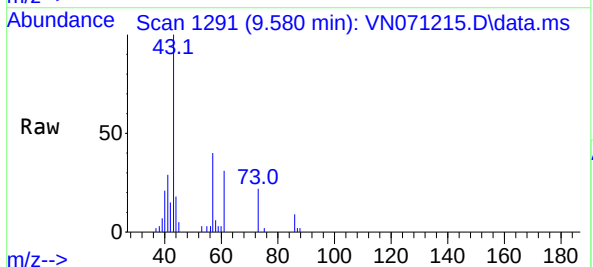
Instrument :
MSVOA_N
ClientSampleId :

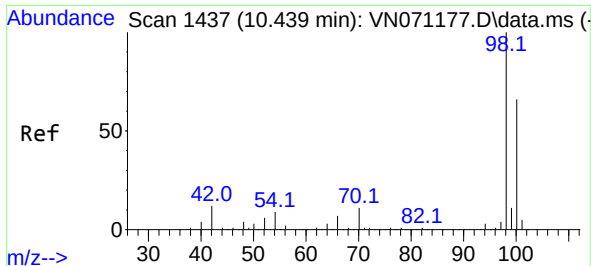
Tgt Ion: 41 Resp: 21149
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.508 ug/l
RT: 9.580 min Scan# 1291
Delta R.T. 0.017 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

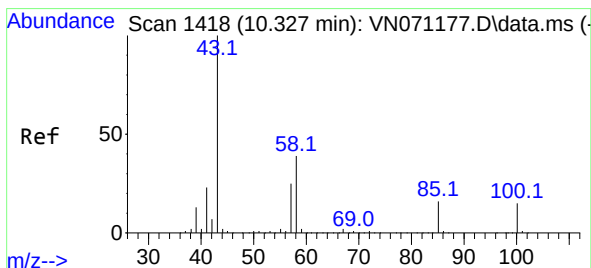
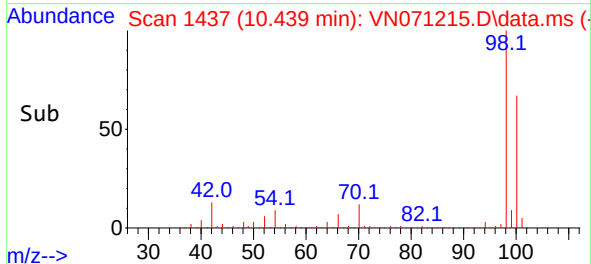
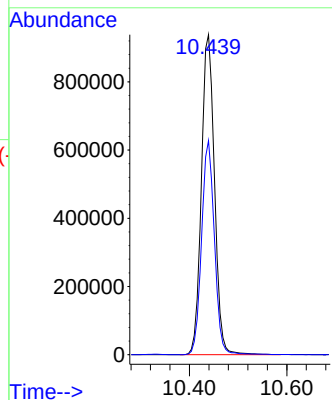
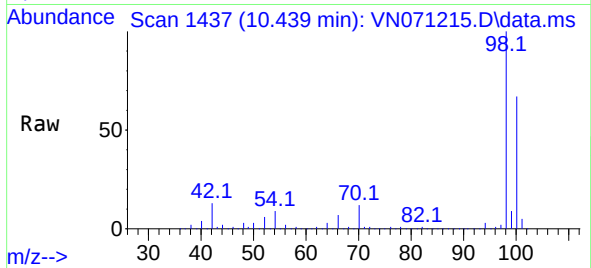




#50
Toluene-d8
Concen: 48.868 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

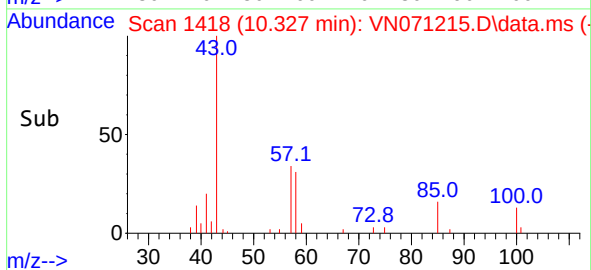
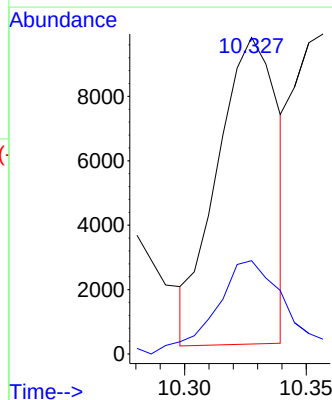
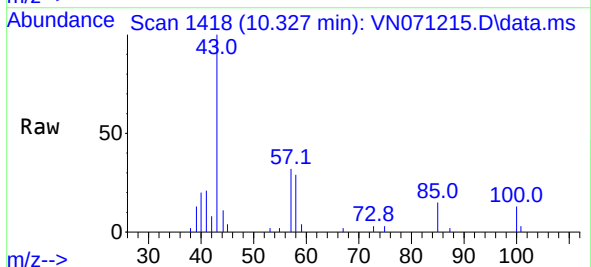
Instrument :
MSVOA_N
ClientSampleId :

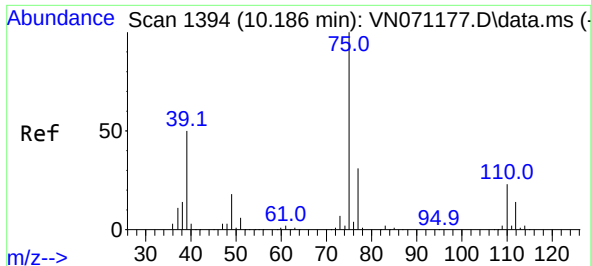
Tgt Ion: 98 Resp: 1749194
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.908 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 43 Resp: 16513
Ion Ratio Lower Upper
43 100
58 35.7 30.4 45.6

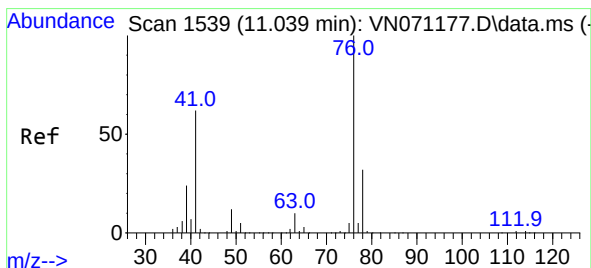
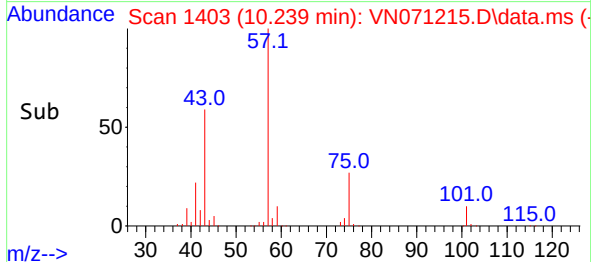
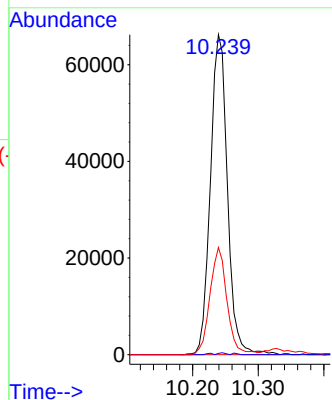
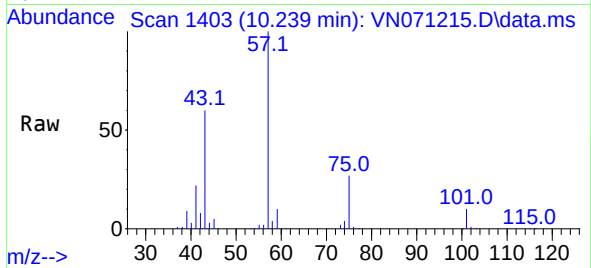




#54
cis-1,3-Dichloropropene
Concen: 6.924 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

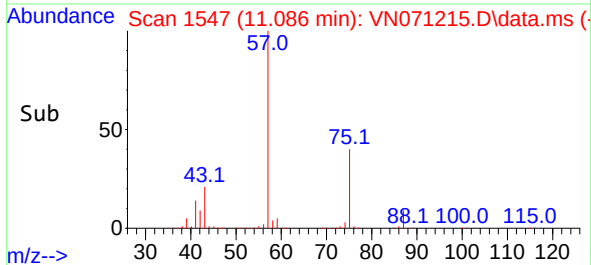
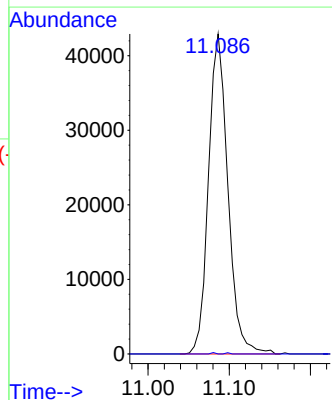
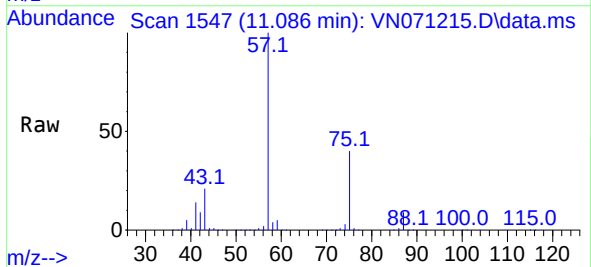
Instrument :
MSVOA_N
ClientSampleId :

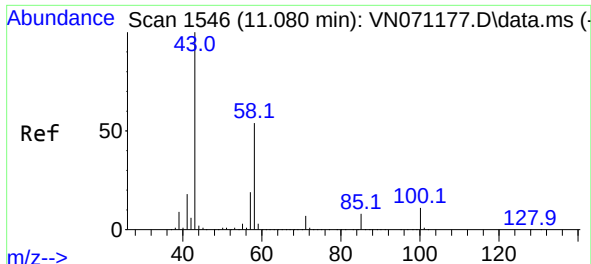
Tgt Ion: 75 Resp: 119507
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 33.5 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 3.740 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 76 Resp: 71094
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

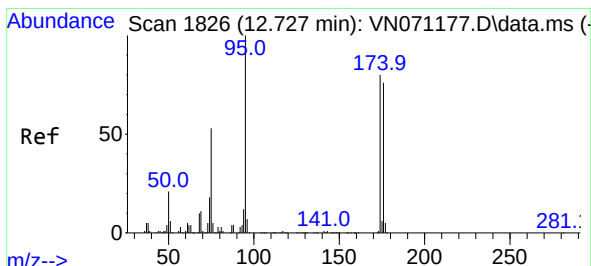
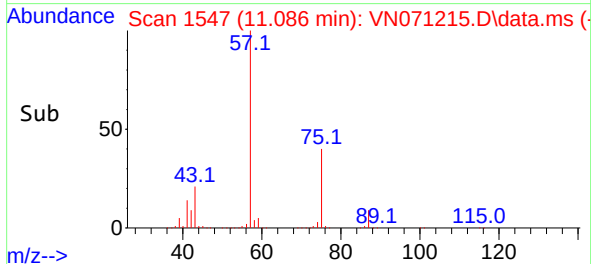
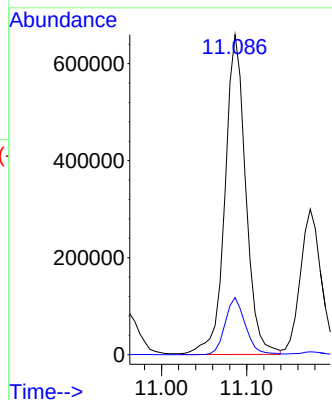
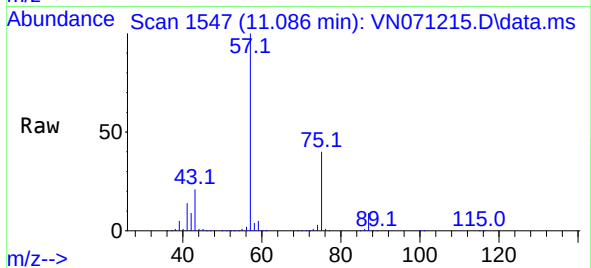




#59
2-Hexanone
Concen: 90.058 ug/l
RT: 11.086 min Scan# 1117895
Delta R.T. 0.006 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

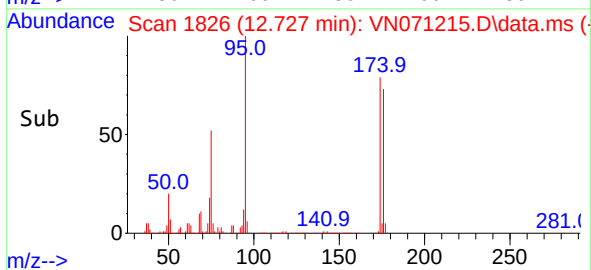
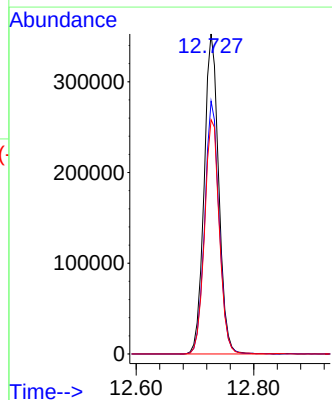
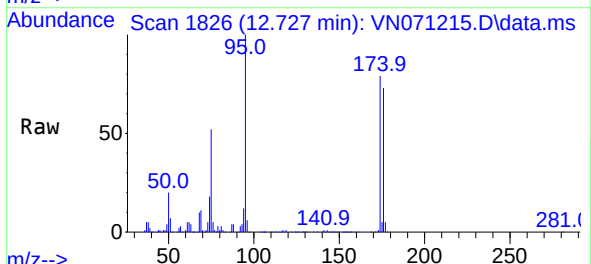
Instrument :
MSVOA_N
ClientSampleId :

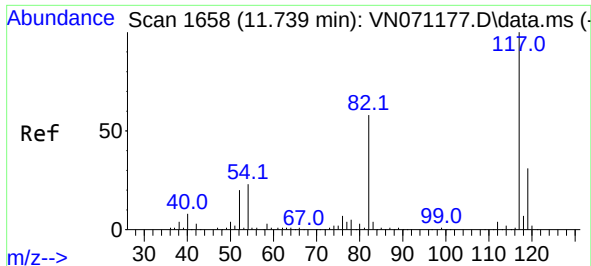
Tgt Ion: 43 Resp: 1117895
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.929 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 95 Resp: 605172
Ion Ratio Lower Upper
95 100
174 78.1 0.0 187.2
176 74.5 0.0 181.4

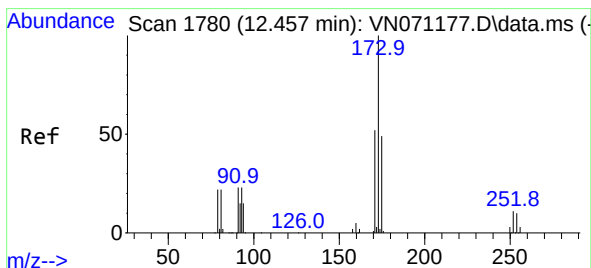
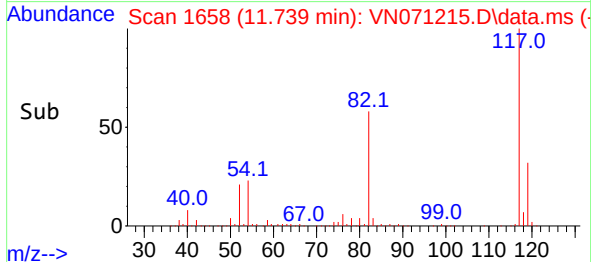
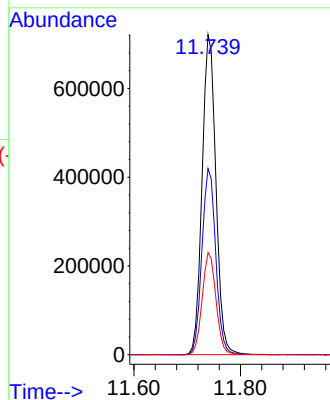
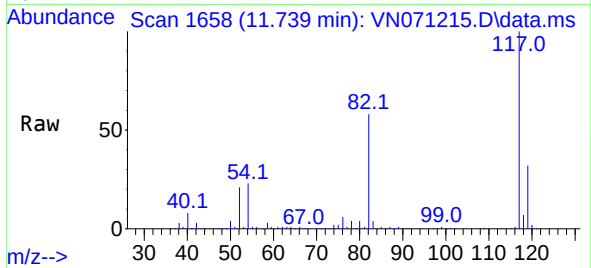




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

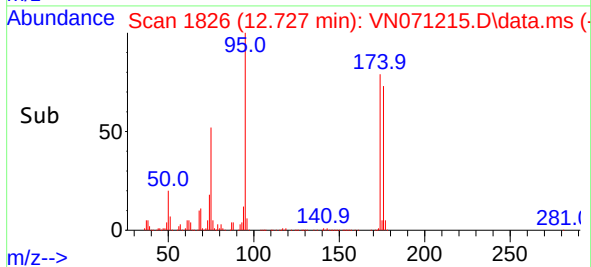
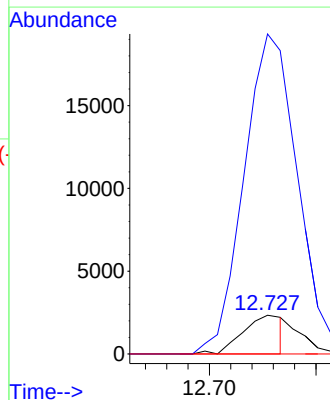
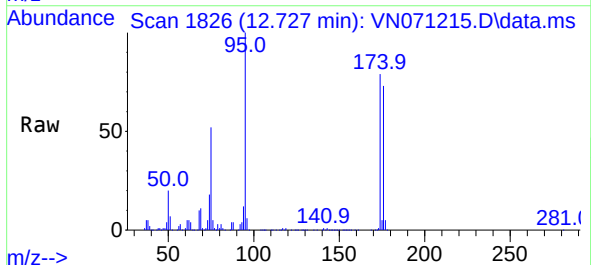
Instrument :
MSVOA_N
ClientSampleId :

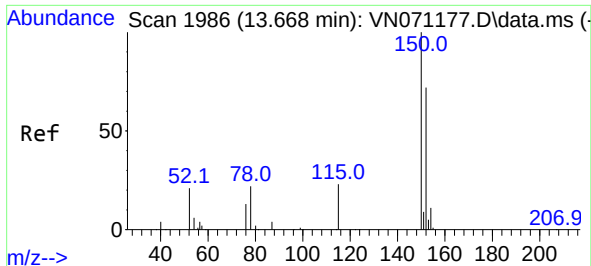
Tgt Ion:117 Resp: 1296065
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.394 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

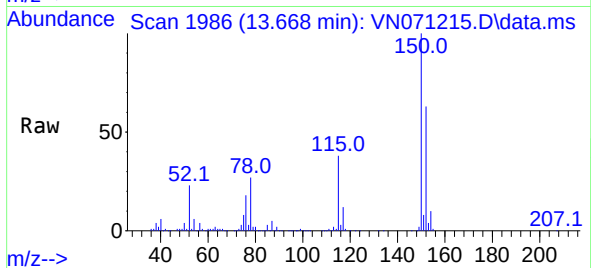
Tgt Ion:173 Resp: 3057
Ion Ratio Lower Upper
173 100
175 812.0 24.2 72.6#
254 0.0 0.0 0.0



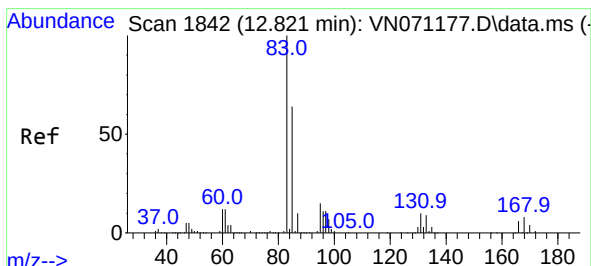
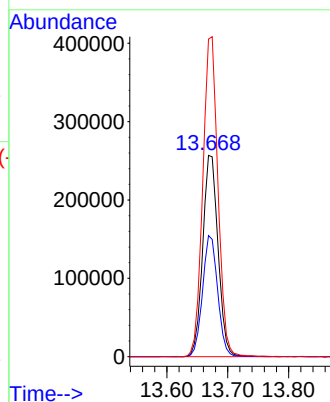
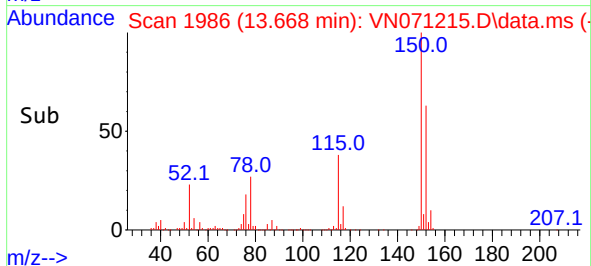


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071215.D
 Acq: 09 Mar 2022 17:21

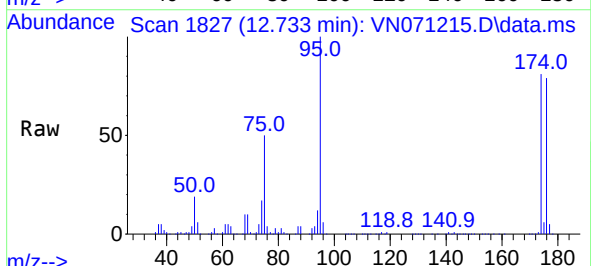
Instrument :
 MSVOA_N
 ClientSampleId :



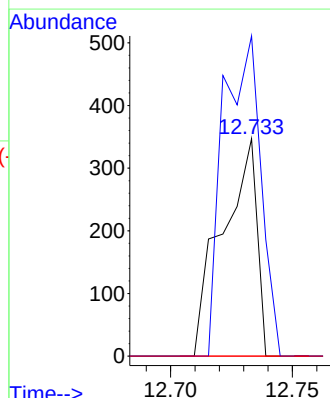
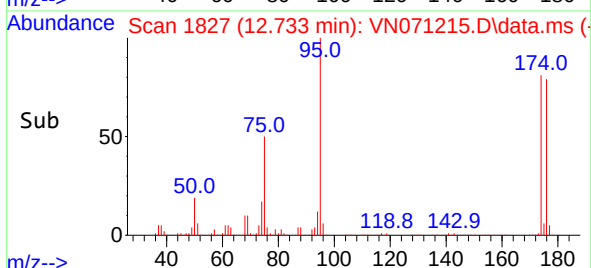
Tgt Ion:152 Resp: 451226
 Ion Ratio Lower Upper
 152 100
 115 59.2 27.5 82.5
 150 156.8 0.0 344.4

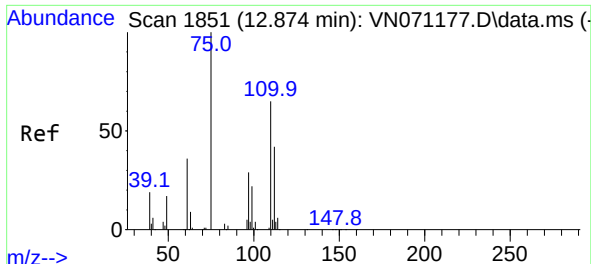


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.733 min Scan# 1827
 Delta R.T. -0.088 min
 Lab File: VN071215.D
 Acq: 09 Mar 2022 17:21



Tgt Ion: 83 Resp: 342
 Ion Ratio Lower Upper
 83 100
 131 159.6 5.5 16.5#
 85 0.0 32.4 97.2#

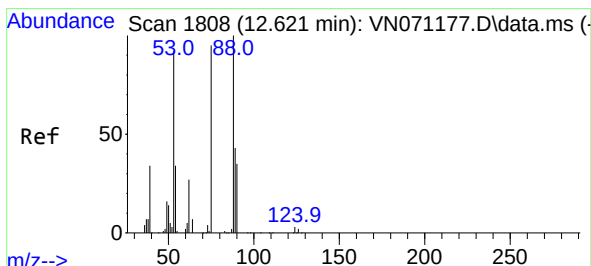
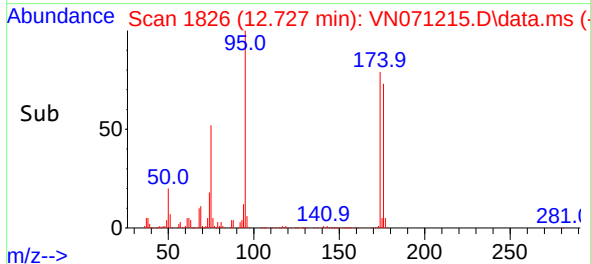
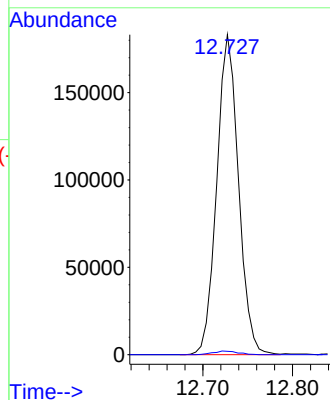
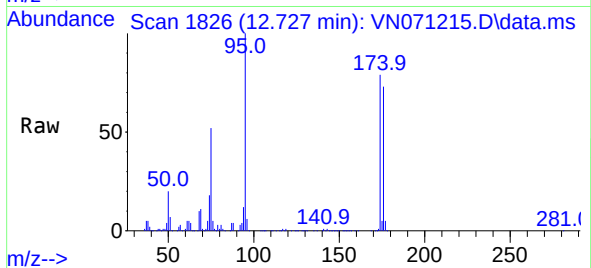




#76
1,2,3-Trichloropropane
Concen: 26.866 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

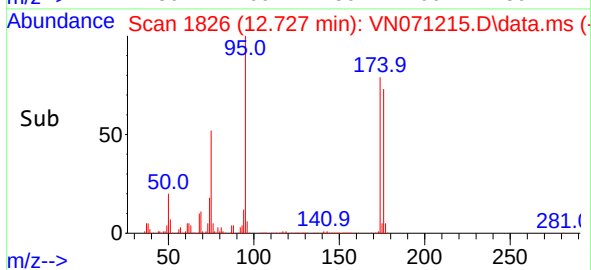
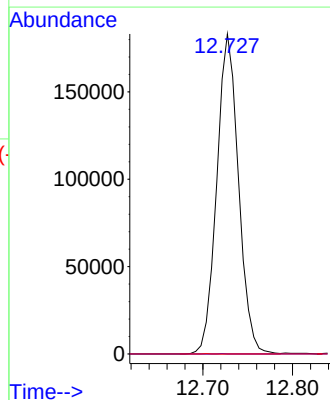
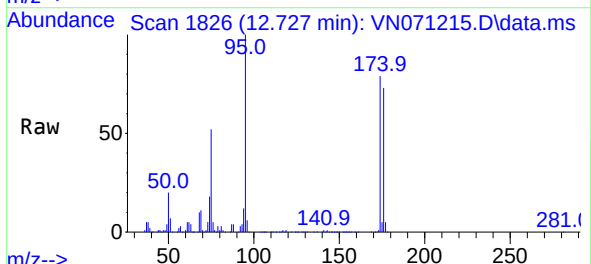
Instrument :
MSVOA_N
ClientSampleId :

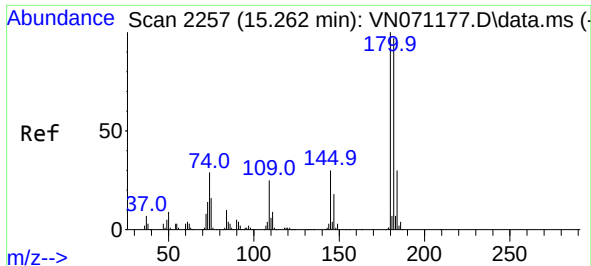
Tgt Ion: 75 Resp: 308090
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.809 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071215.D
Acq: 09 Mar 2022 17:21

Tgt Ion: 75 Resp: 308090
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: 3.069 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN071215.D

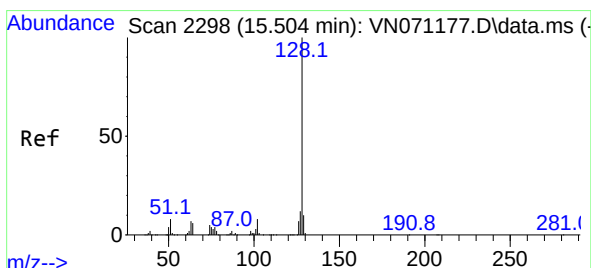
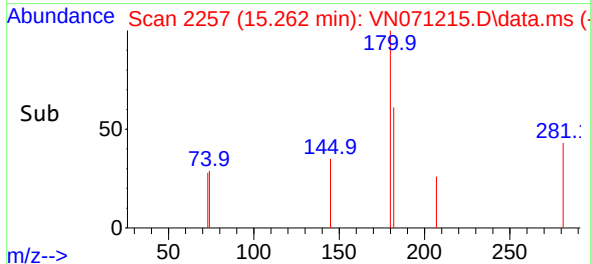
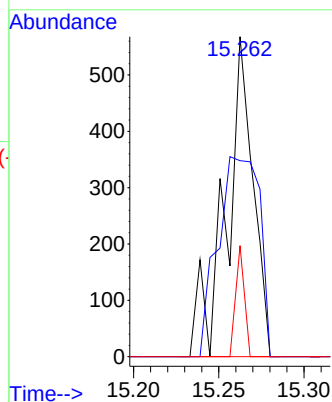
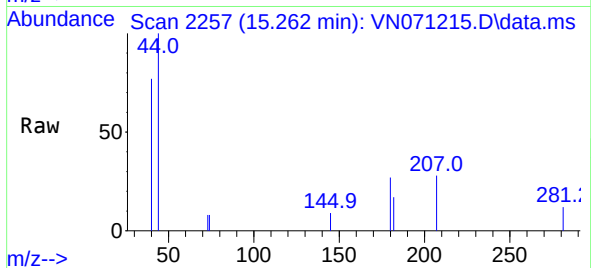
Acq: 09 Mar 2022 17:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	627
Ion Ratio	Lower	Upper
180	100	
182	96.5	48.3 144.9
145	11.2	14.5 43.5#



#95

Naphthalene

Concen: 5.175 ug/l

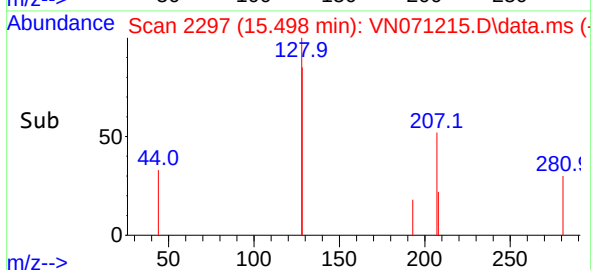
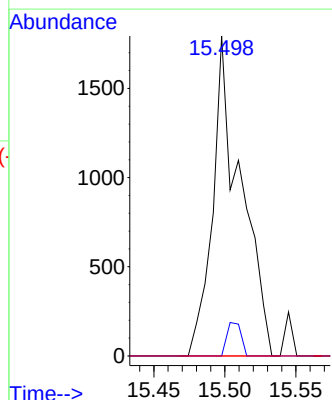
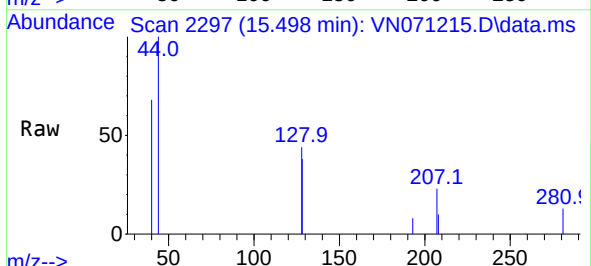
RT: 15.498 min Scan# 2297

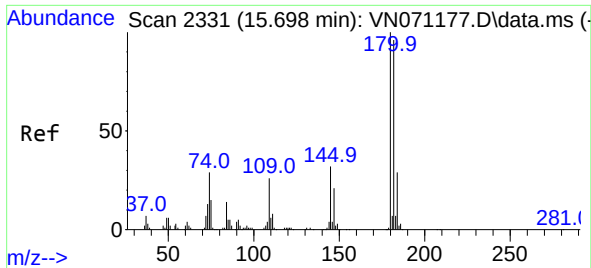
Delta R.T. -0.006 min

Lab File: VN071215.D

Acq: 09 Mar 2022 17:21

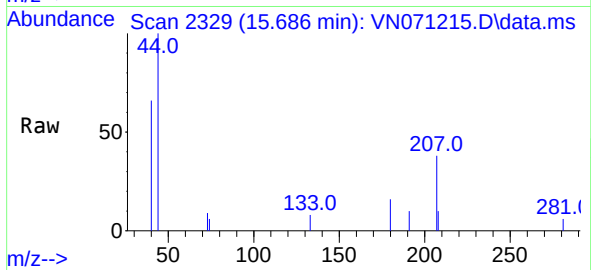
Tgt Ion:128	Resp:	2464
Ion Ratio	Lower	Upper
128	100	
127	5.2	10.5 15.7#
129	0.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.813 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN071215.D
 Acq: 09 Mar 2022 17:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 611
 Ion Ratio Lower Upper
 180 100
 182 91.0 47.4 142.2
 145 14.7 15.0 45.1#

