

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071492.D
 Acq On : 23 Mar 2022 03:01
 Operator : JC\MD
 Sample : N1970-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:15:10 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

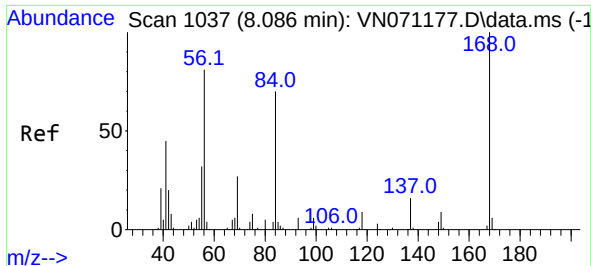
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.080	168	697577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1199508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1159753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	423581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	461490	48.270	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.540%
35) Dibromofluoromethane	8.016	113	350454	46.299	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.600%
50) Toluene-d8	10.439	98	1498169	49.158	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.727	95	550807	53.373	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2469	0.206	ug/l	100
5) Bromomethane	2.875	94	1269	Below Cal	#	50
13) Acrolein	4.028	56	415	0.209	ug/l #	50
16) Acetone	4.298	43	64354	13.834	ug/l	95
18) Methyl Acetate	4.857	43	12407	1.454	ug/l	91
20) Methylene Chloride	5.098	84	10780	1.640	ug/l	93
23) Vinyl Acetate	6.575	43	7664	0.302	ug/l #	72
25) 2-Butanone	7.333	43	11830	1.579	ug/l #	80
31) Cyclohexane	8.080	56	14424	0.945	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	56245	4.638	ug/l #	49
37) Ethyl Acetate	7.333	43	11830	0.709	ug/l #	68
38) Carbon Tetrachloride	8.080	117	69044	5.886	ug/l #	17
40) Benzene	8.457	78	20692	0.566	ug/l	99
43) Isopropyl Acetate	8.563	43	35553	1.424	ug/l #	70
48) Methyl methacrylate	9.539	41	20277	1.753	ug/l #	20
49) 1,4-Dioxane	9.557	88	64	0.318	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	18909	1.221	ug/l #	74
54) cis-1,3-Dichloropropene	10.239	75	26028	1.771	ug/l #	63
59) 2-Hexanone	11.051	43	46253	4.376	ug/l #	25
71) Bromoform	12.727	173	3544	0.511	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	381	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	285374	26.469	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	285374	72.829	ug/l #	5
95) Naphthalene	15.503	128	8045	5.440	ug/l #	97

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

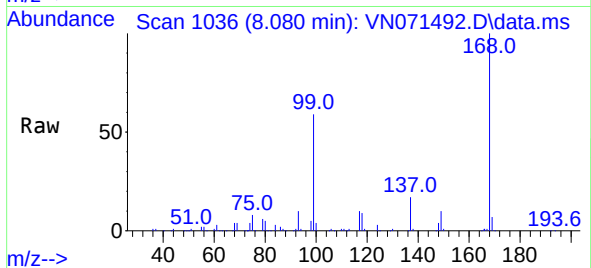
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration



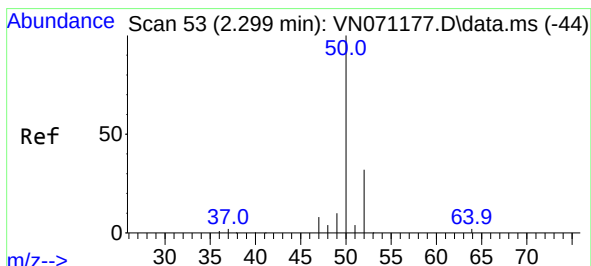
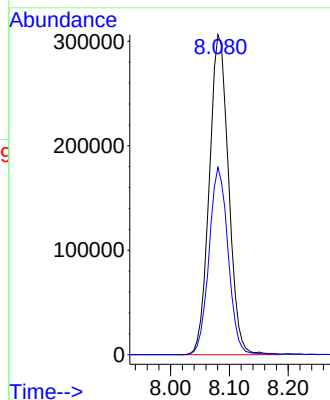
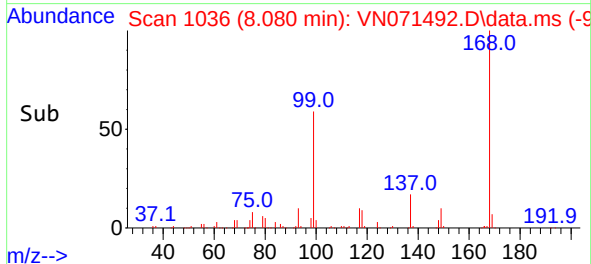


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Instrument :
MSVOA_N
ClientSampleId :

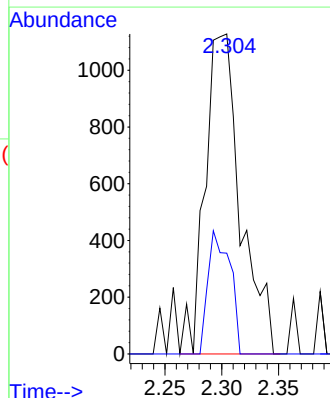
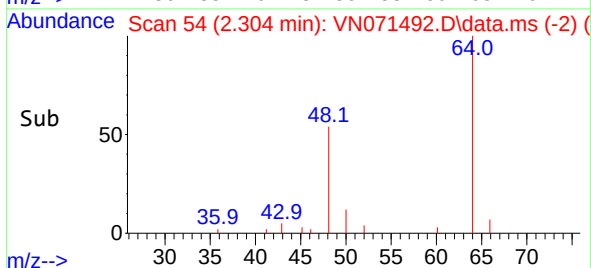
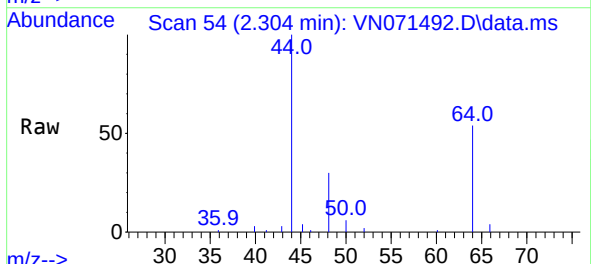


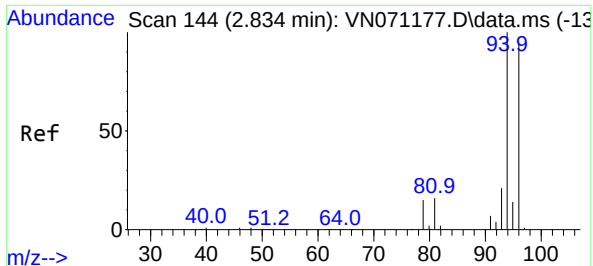
Tgt Ion:168 Resp: 697577
Ion Ratio Lower Upper
168 100
99 58.5 41.3 61.9



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 50 Resp: 2469
Ion Ratio Lower Upper
50 100
52 31.5 25.4 38.0

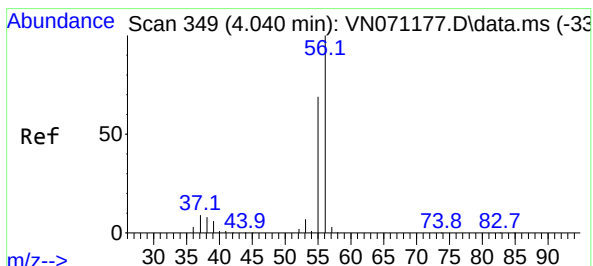
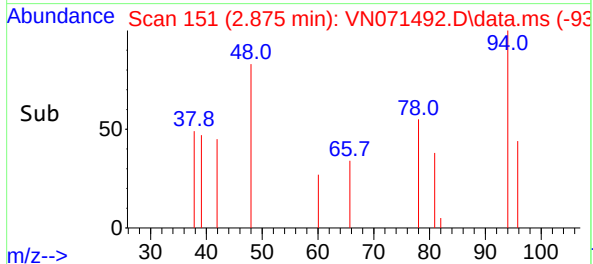
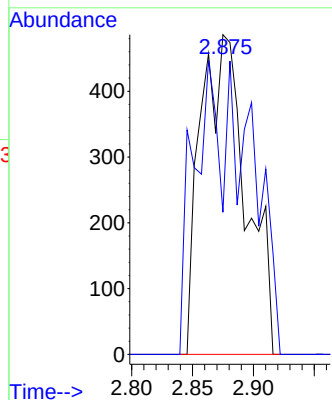
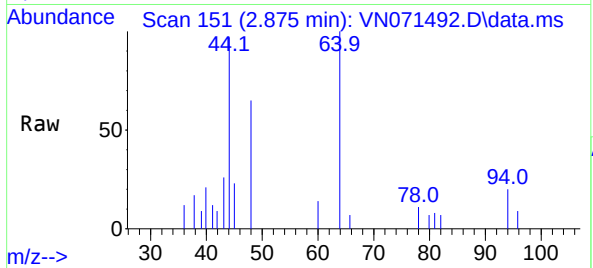




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

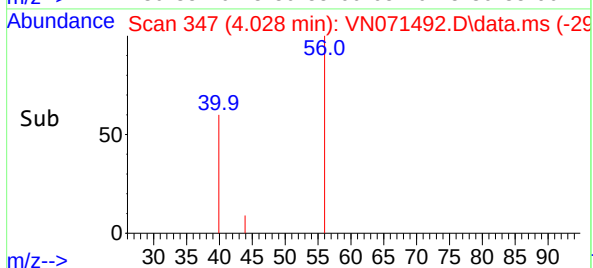
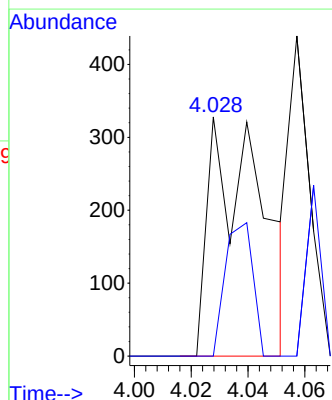
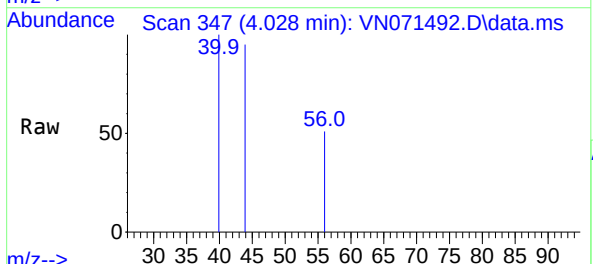
Instrument :
MSVOA_N
ClientSampleId :

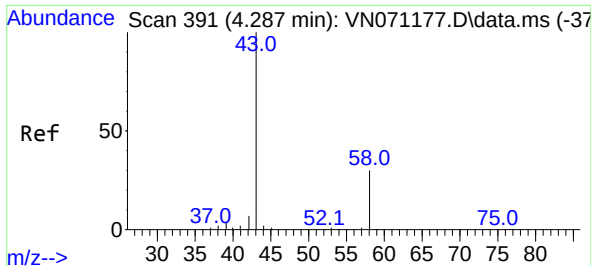
Tgt Ion: 94 Resp: 1269
Ion Ratio Lower Upper
94 100
96 44.4 73.8 110.8#



#13
Acrolein
Concen: 0.209 ug/l
RT: 4.028 min Scan# 347
Delta R.T. -0.012 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 56 Resp: 415
Ion Ratio Lower Upper
56 100
55 29.6 56.6 85.0#

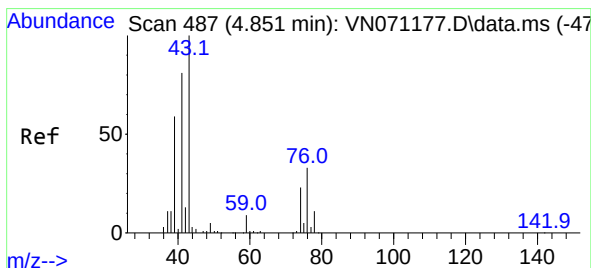
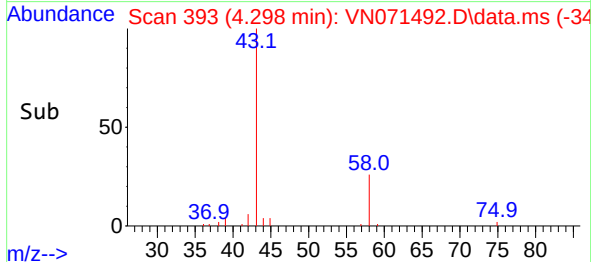
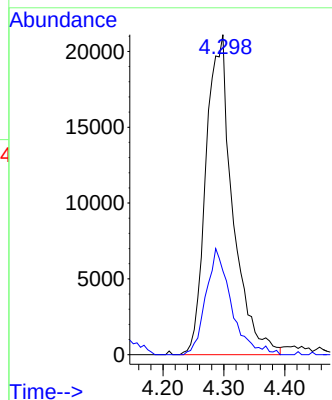
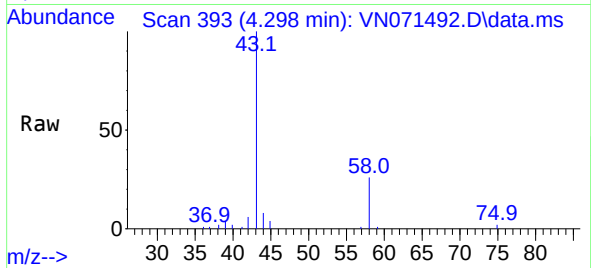




#16
Acetone
Concen: 13.834 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

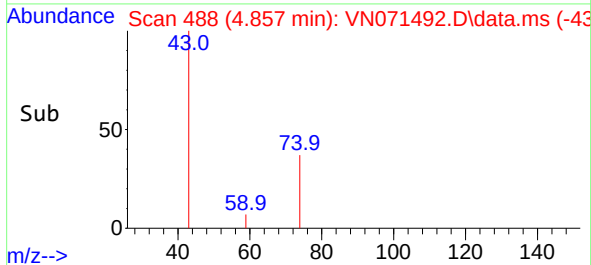
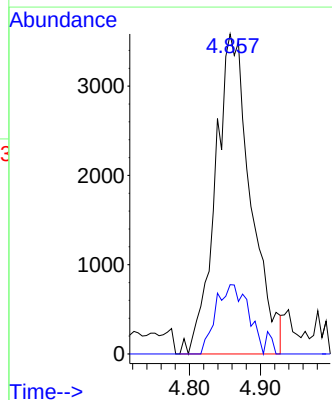
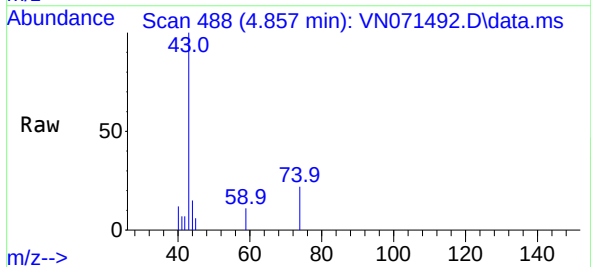
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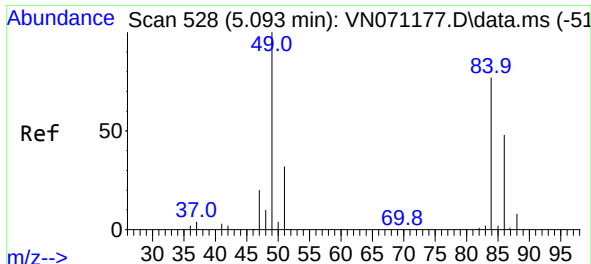
Tgt Ion: 43 Resp: 64354
Ion Ratio Lower Upper
43 100
58 26.2 23.1 34.7



#18
Methyl Acetate
Concen: 1.454 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

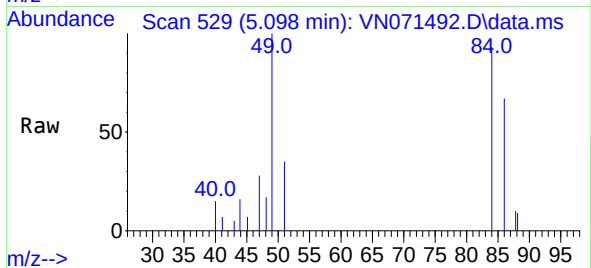
Tgt Ion: 43 Resp: 12407
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2





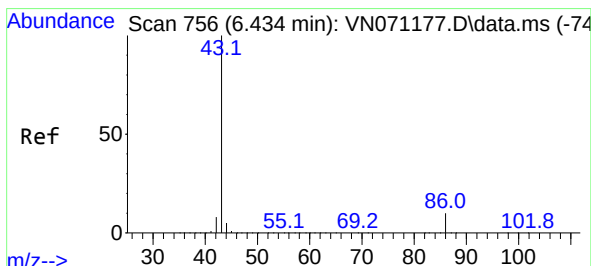
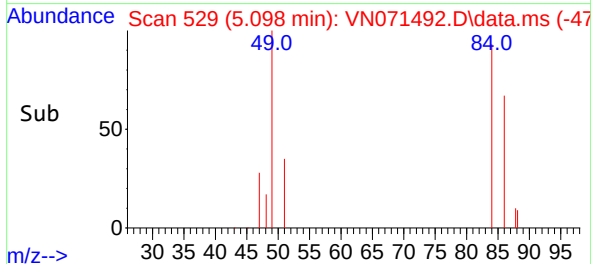
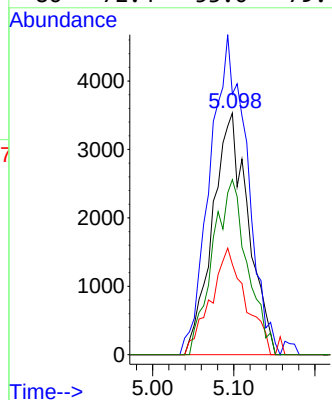
#20
Methylene Chloride
Concen: 1.640 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 10780

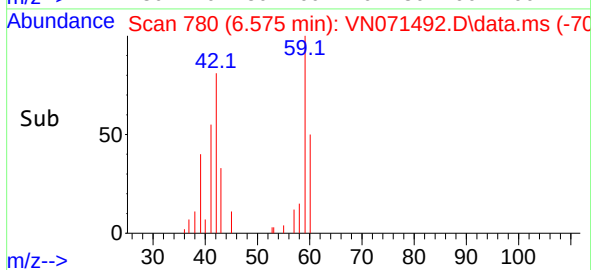
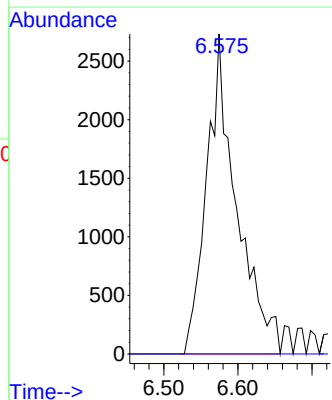
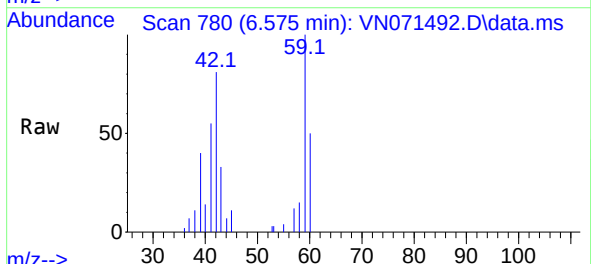
Ion	Ratio	Lower	Upper
84	100		
49	107.9	93.5	140.3
51	37.5	29.4	44.2
86	72.4	53.0	79.4

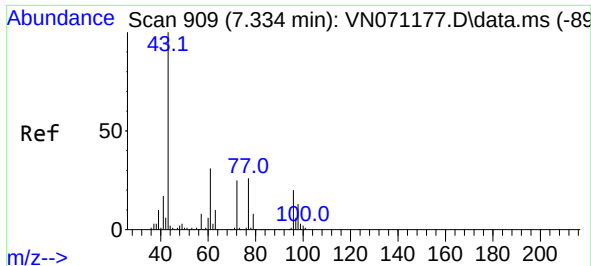


#23
Vinyl Acetate
Concen: 0.302 ug/l
RT: 6.575 min Scan# 780
Delta R.T. 0.141 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 43 Resp: 7664

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#

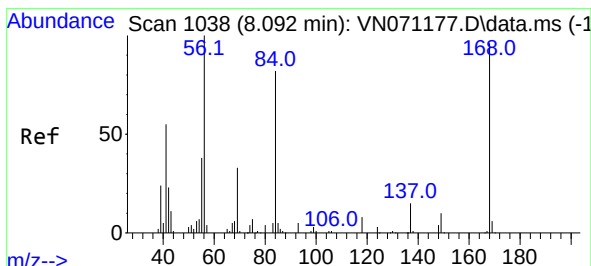
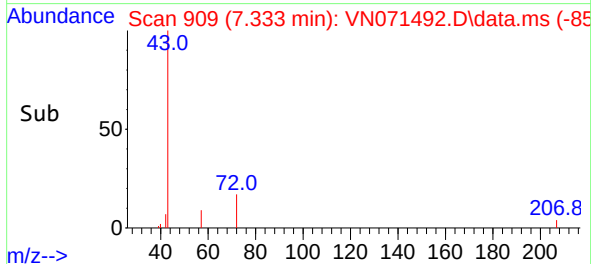
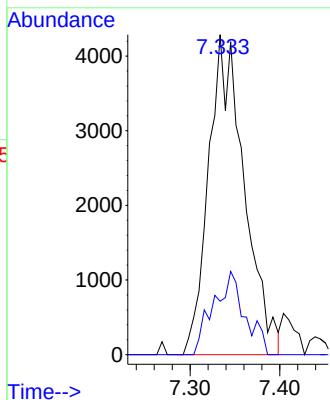
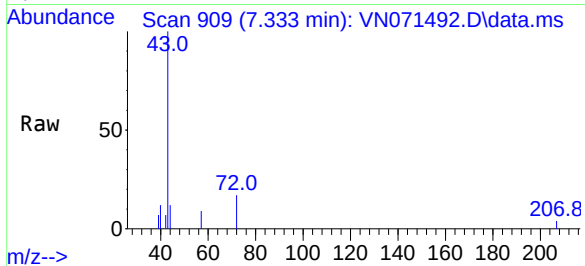




#25
2-Butanone
Concen: 1.579 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

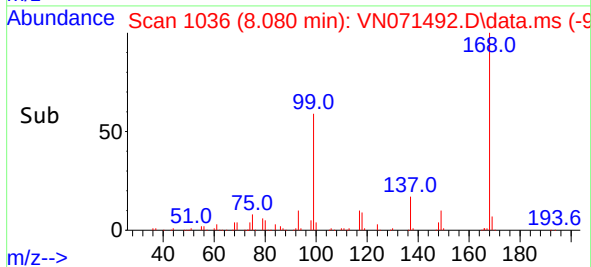
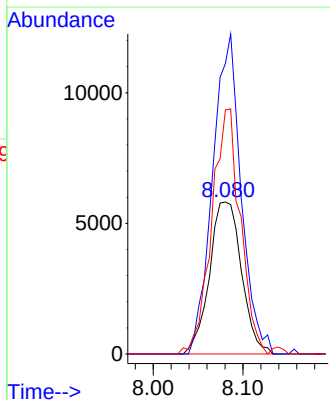
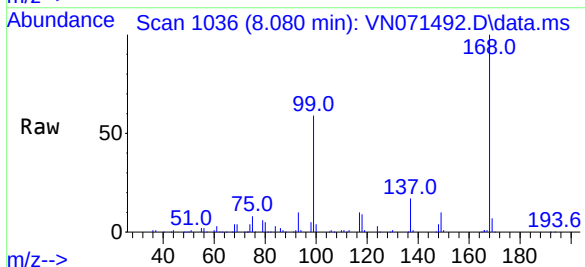
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MSVOA_N
ClientSampleId :

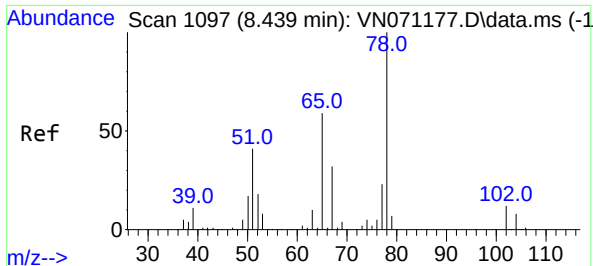
Tgt Ion: 43 Resp: 11830
Ion Ratio Lower Upper
43 100
72 16.7 21.7 32.5#



#31
Cyclohexane
Concen: 0.945 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 56 Resp: 14424
Ion Ratio Lower Upper
56 100
69 191.1 27.1 40.7#
84 160.6 73.4 110.0#

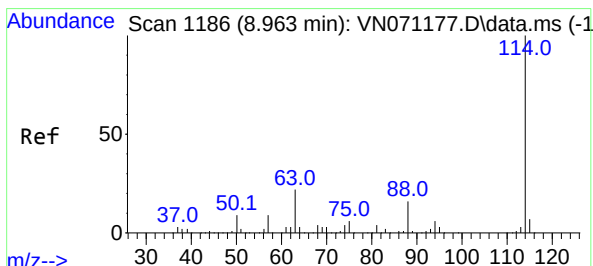
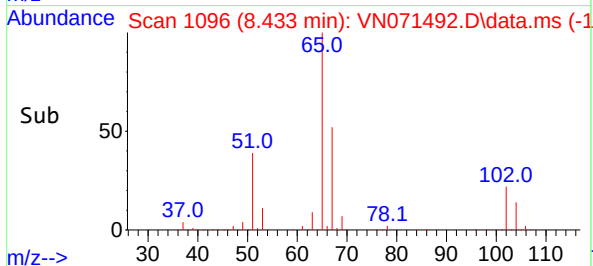
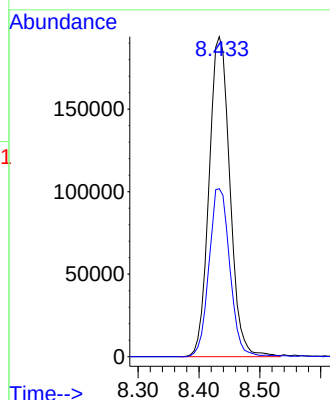
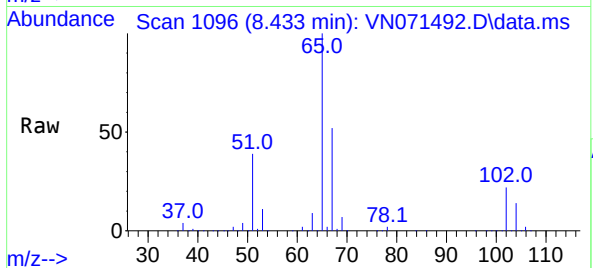




#33
1,2-Dichloroethane-d4
Concen: 48.270 ug/l
RT: 8.433 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

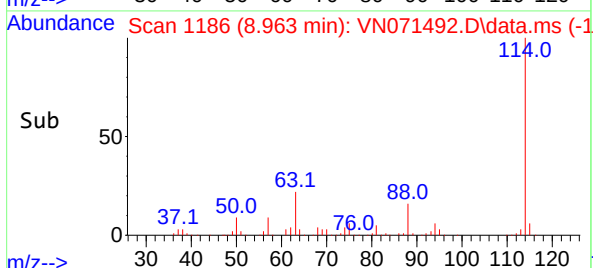
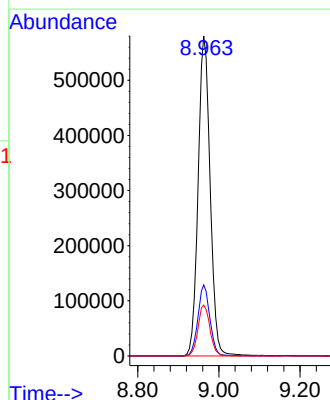
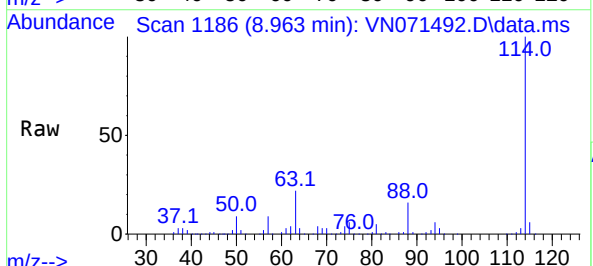
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MSVOA_N
ClientSampleId :

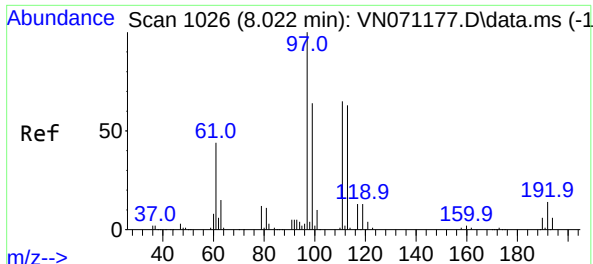
Tgt Ion: 65 Resp: 461490
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

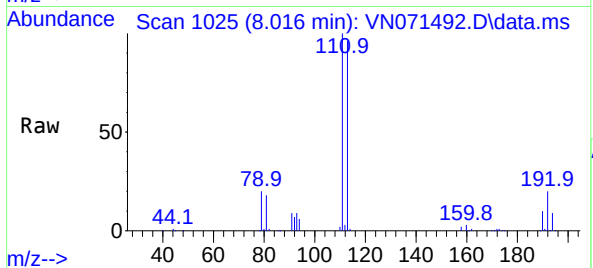
Tgt Ion:114 Resp: 1199508
Ion Ratio Lower Upper
114 100
63 22.2 0.0 37.8
88 15.9 0.0 27.4



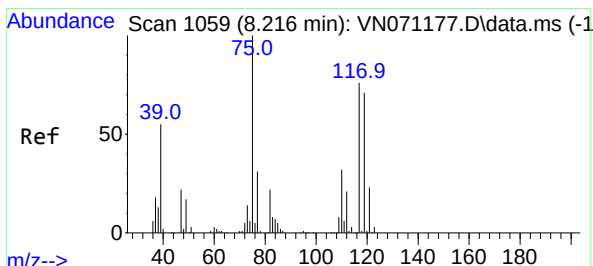
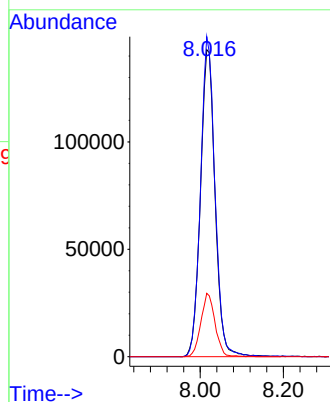
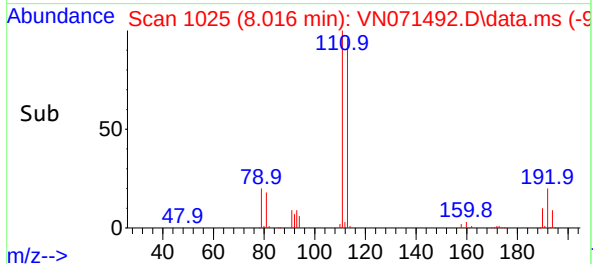


#35
Dibromofluoromethane
Concen: 46.299 ug/l
RT: 8.016 min Scan# 1026
Delta R.T. -0.006 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Instrument :
MSVOA_N
ClientSampleId :

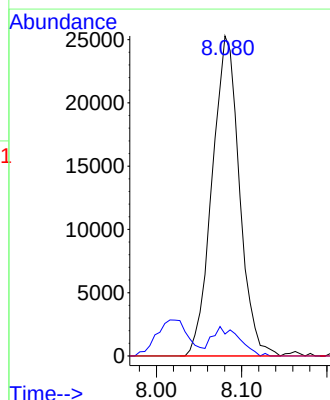
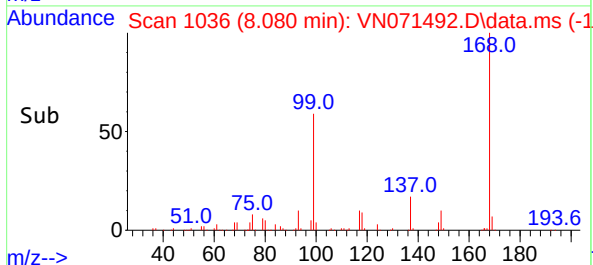
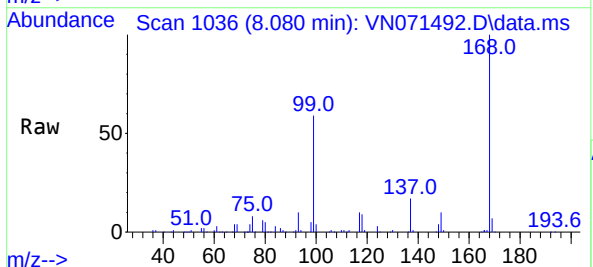


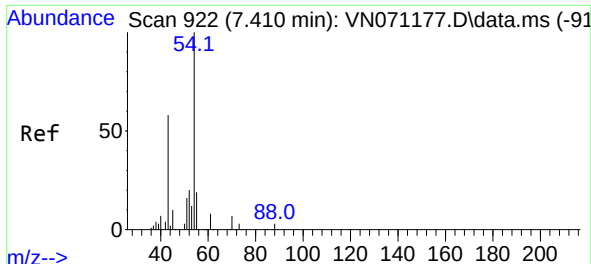
Tgt Ion:113 Resp: 350454
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.638 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

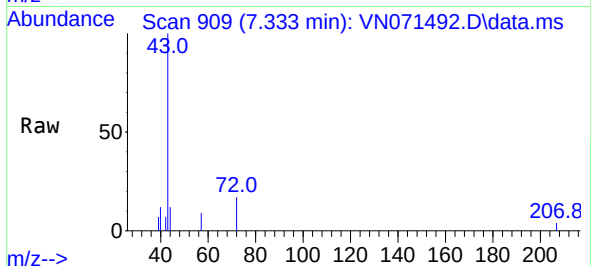
Tgt Ion: 75 Resp: 56245
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



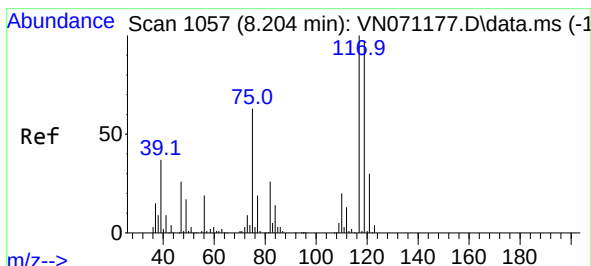
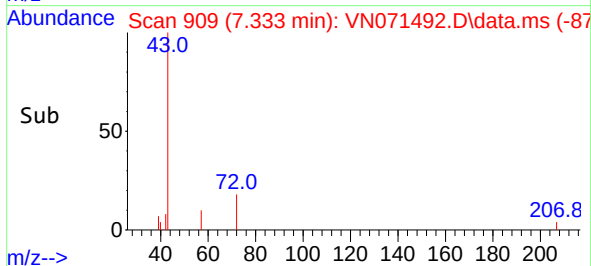
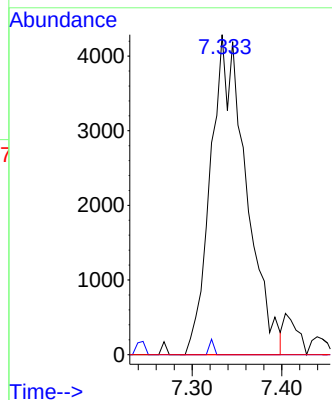


#37
Ethyl Acetate
Concen: 0.709 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.077 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Instrument :
MSVOA_N
ClientSampleId :

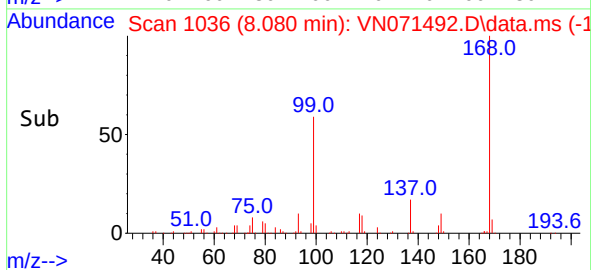
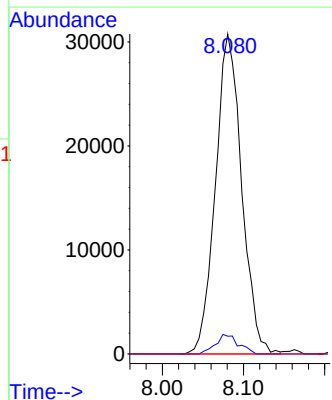
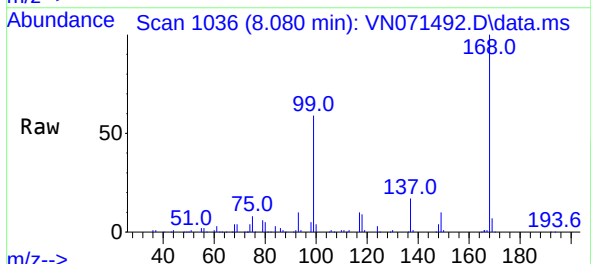


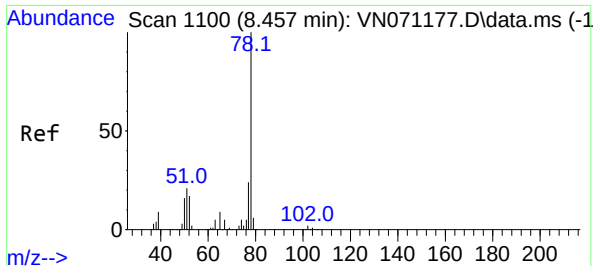
Tgt Ion: 43 Resp: 11830
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.886 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 117 Resp: 69044
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#

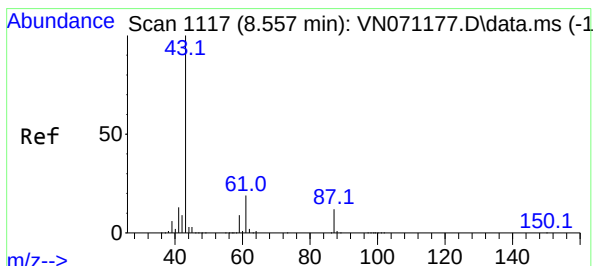
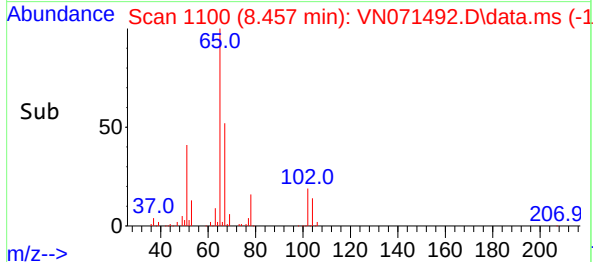
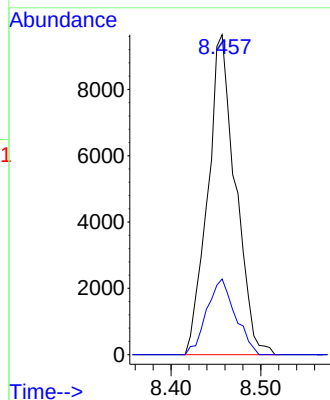
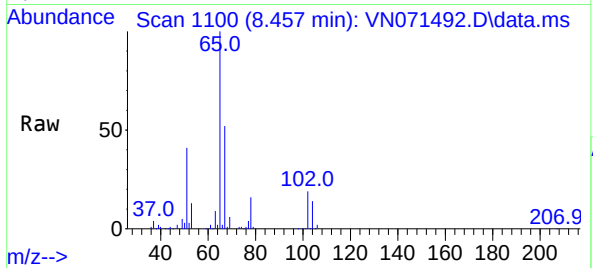




#40
Benzene
Concen: 0.566 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

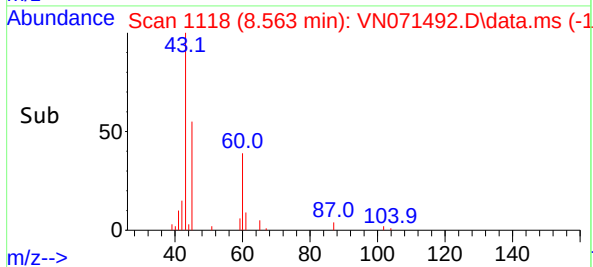
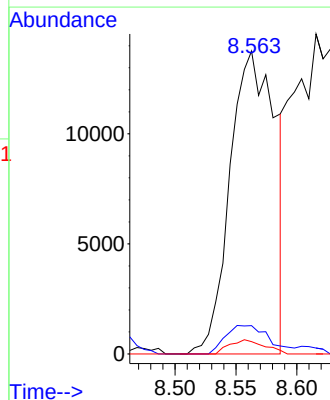
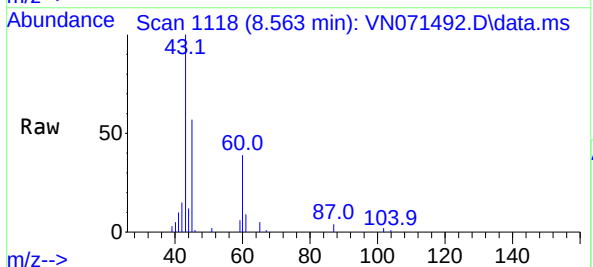
Instrument :
MSVOA_N
ClientSampleId :

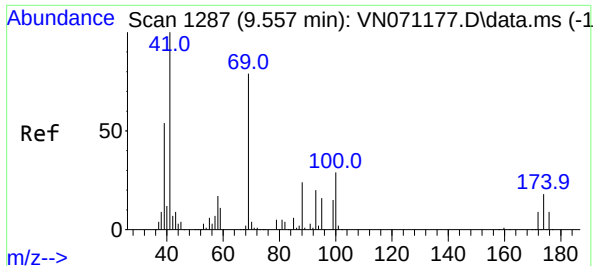
Tgt Ion: 78 Resp: 20692
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8



#43
Isopropyl Acetate
Concen: 1.424 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 43 Resp: 35553
Ion Ratio Lower Upper
43 100
61 9.1 20.4 30.6#
87 3.6 11.2 16.8#

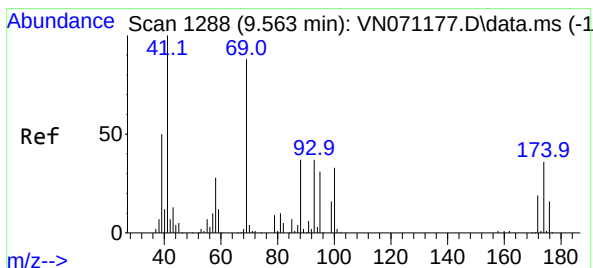
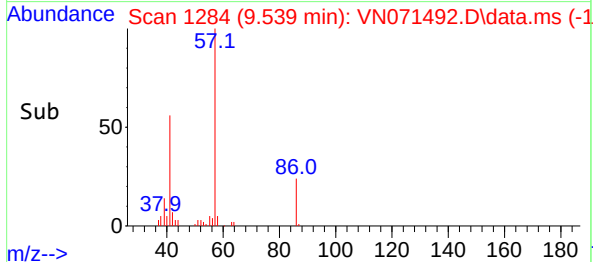
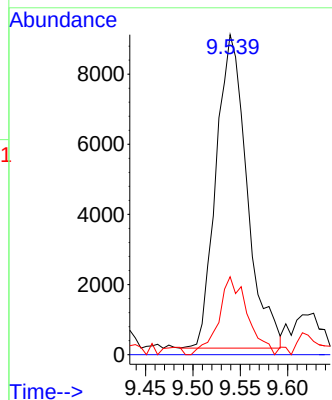
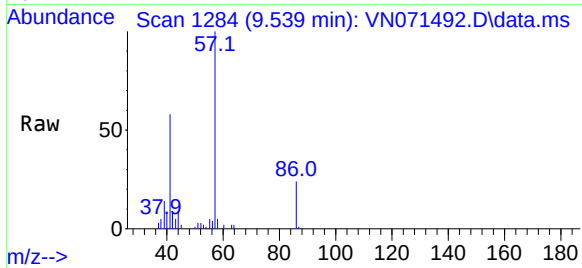




#48
Methyl methacrylate
Concen: 1.753 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

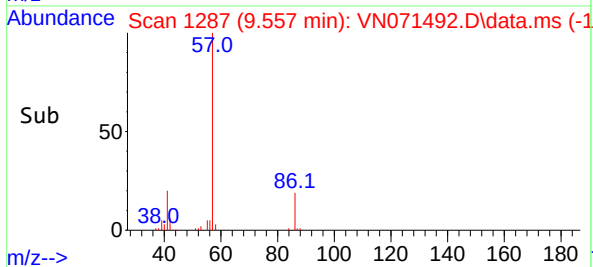
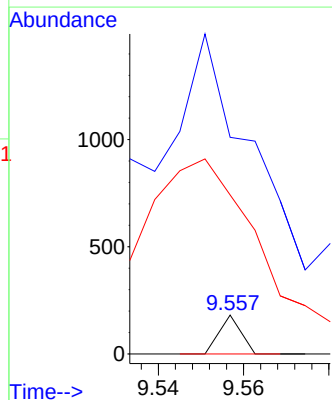
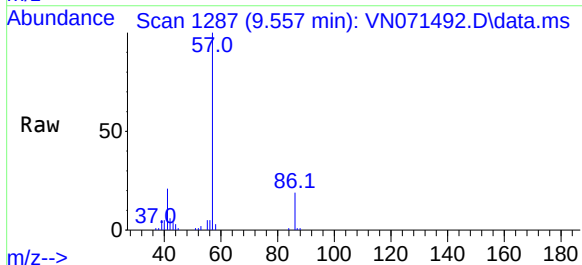
Instrument :
MSVOA_N
ClientSampleId :

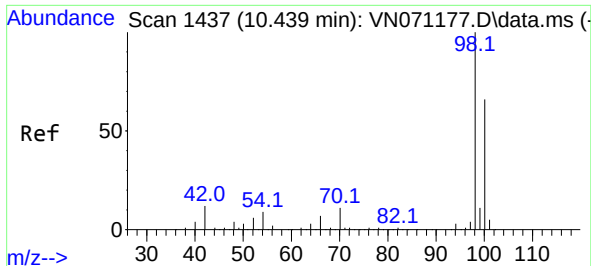
Tgt Ion: 41 Resp: 20277
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 23.1 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.318 ug/l
RT: 9.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 3126.6 23.4 35.2#
58 3028.1 50.6 75.8#

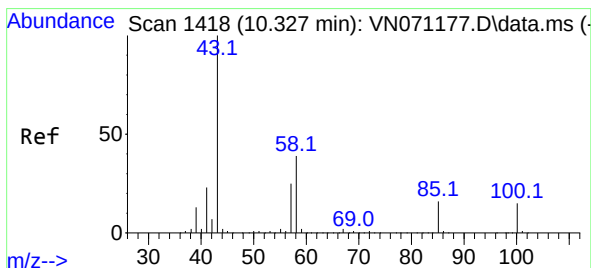
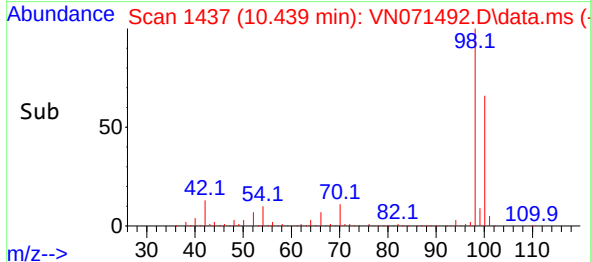
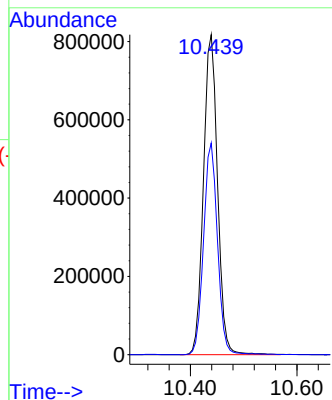
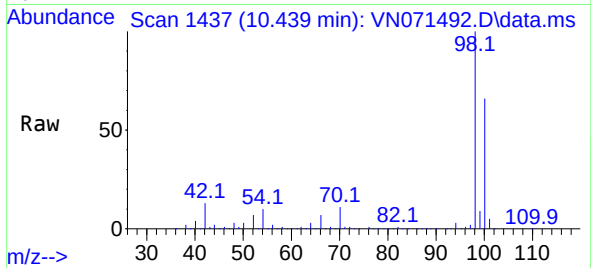




#50
Toluene-d8
Concen: 49.158 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

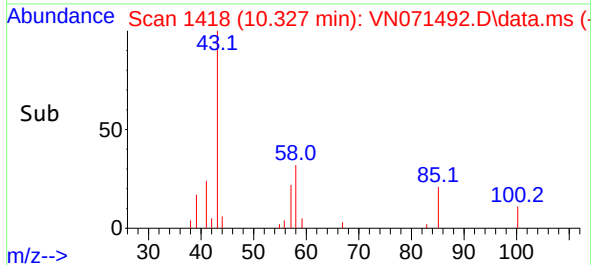
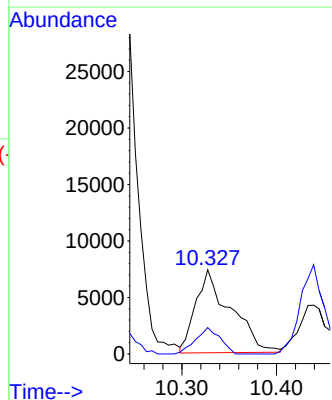
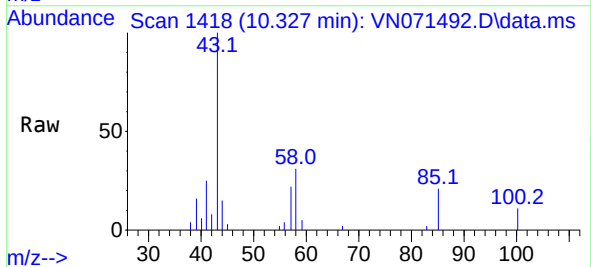
Instrument :
MSVOA_N
ClientSampleId :

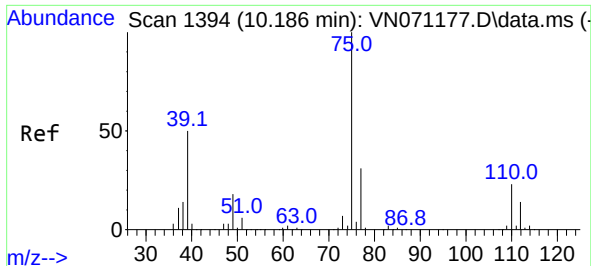
Tgt Ion: 98 Resp: 1498169
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.221 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 43 Resp: 18909
Ion Ratio Lower Upper
43 100
58 22.1 30.4 45.6#

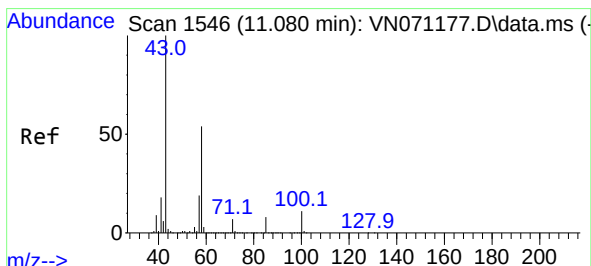
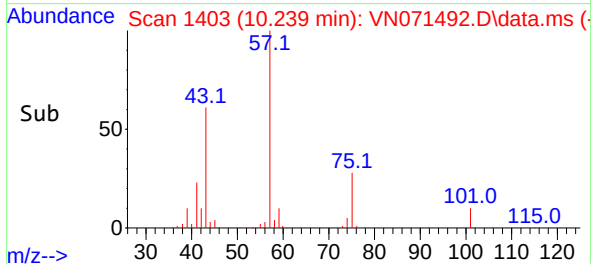
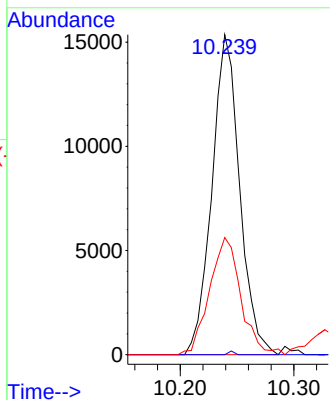
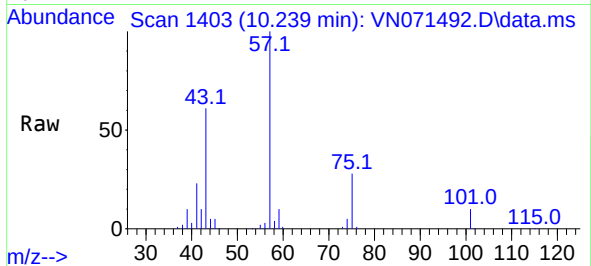




#54
 cis-1,3-Dichloropropene
 Concen: 1.771 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071492.D
 Acq: 23 Mar 2022 03:01

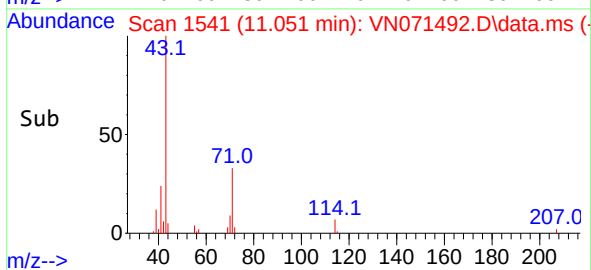
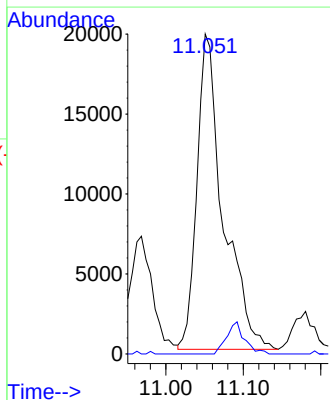
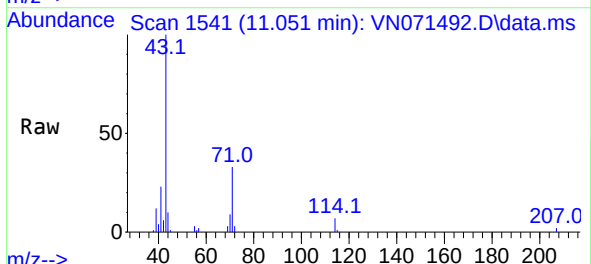
Instrument :
 MSVOA_N
 ClientSampleId :

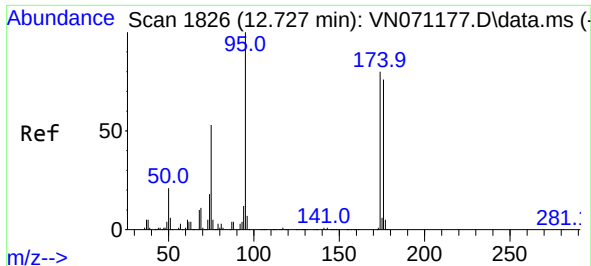
Tgt Ion: 75 Resp: 26028
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 36.6 42.5 63.7#



#59
 2-Hexanone
 Concen: 4.376 ug/l
 RT: 11.051 min Scan# 1541
 Delta R.T. -0.029 min
 Lab File: VN071492.D
 Acq: 23 Mar 2022 03:01

Tgt Ion: 43 Resp: 46253
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.9 80.7#

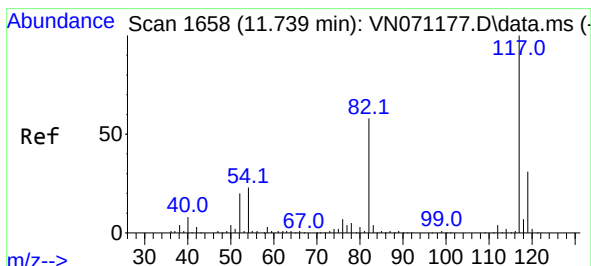
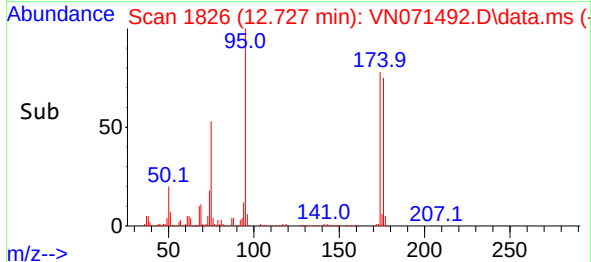
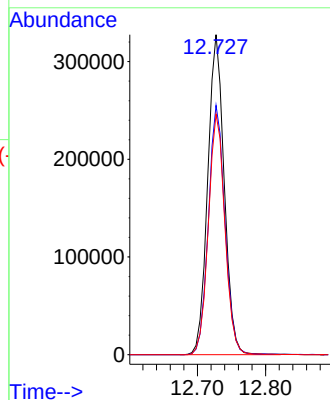
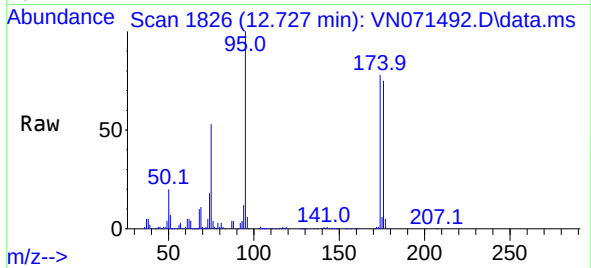




#62
4-Bromofluorobenzene
Concen: 53.373 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

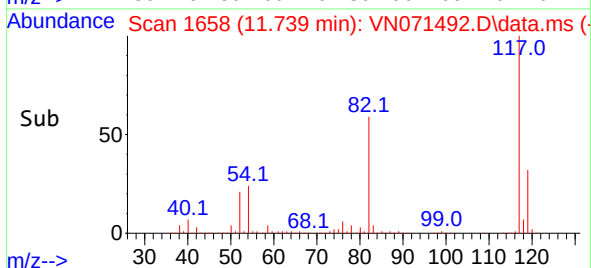
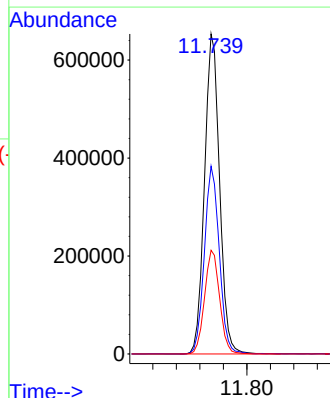
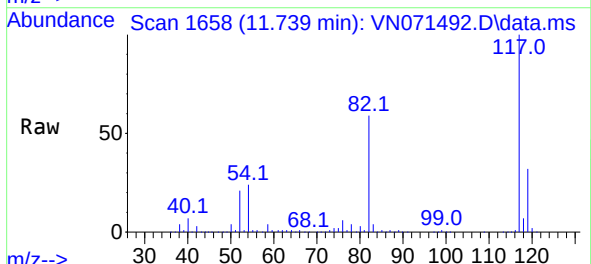
Instrument :
MSVOA_N
ClientSampleId :

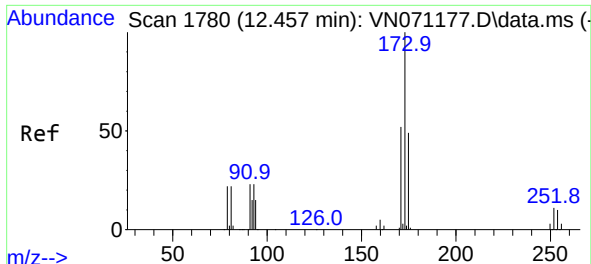
Tgt Ion: 95 Resp: 550807
Ion Ratio Lower Upper
95 100
174 78.3 0.0 187.2
176 75.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion: 117 Resp: 1159753
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.4 25.4 38.2

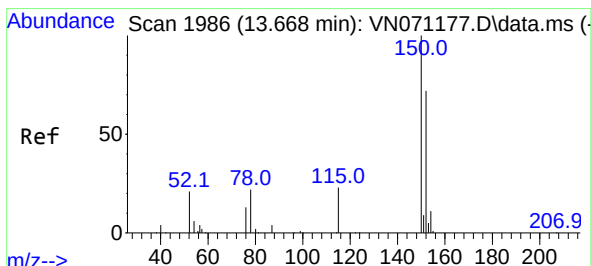
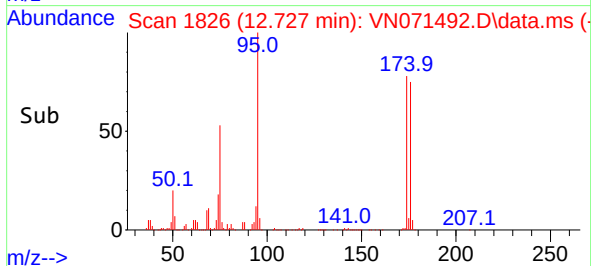
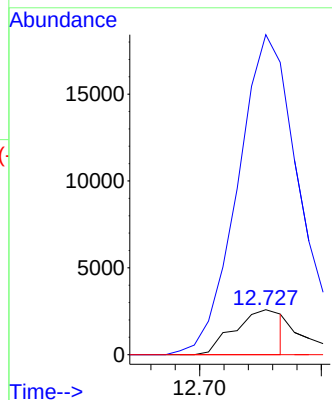
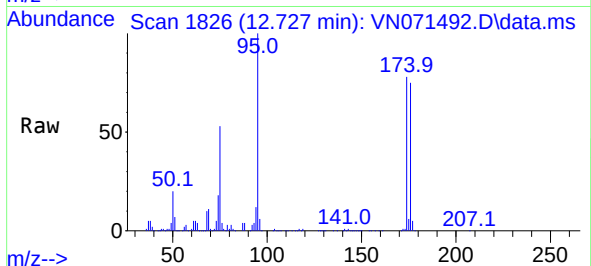




#71
Bromoform
Concen: 0.511 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

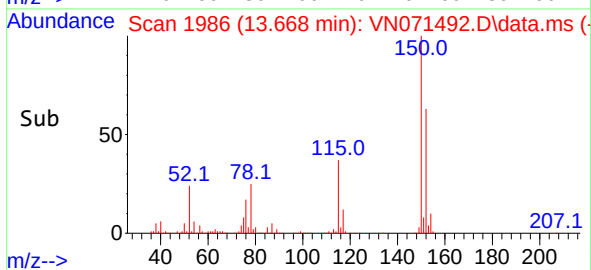
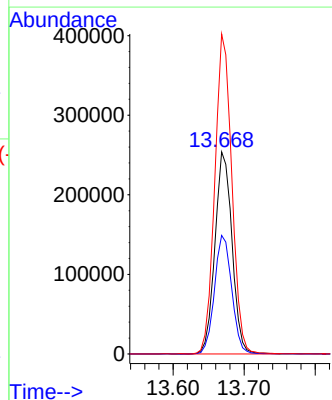
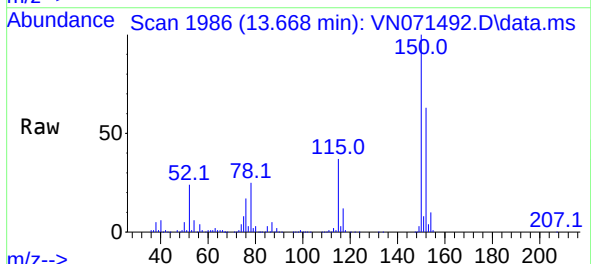
Instrument :
MSVOA_N
ClientSampleId :

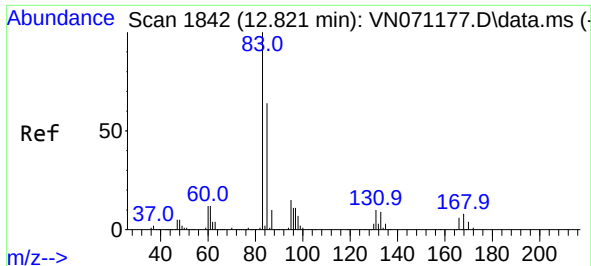
Tgt Ion:173 Resp: 3544
Ion Ratio Lower Upper
173 100
175 677.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

Tgt Ion:152 Resp: 423581
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.5
150 157.7 0.0 344.4

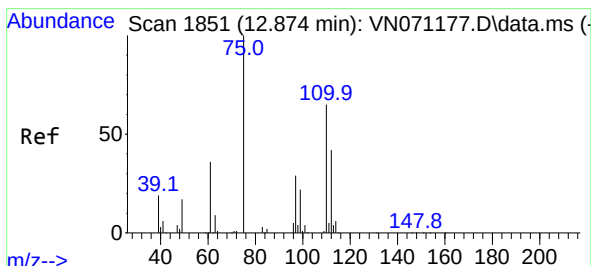
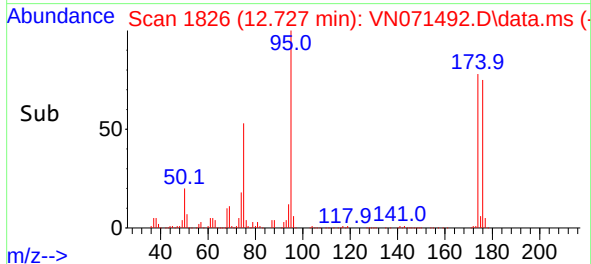
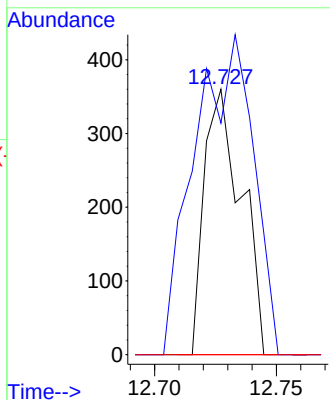
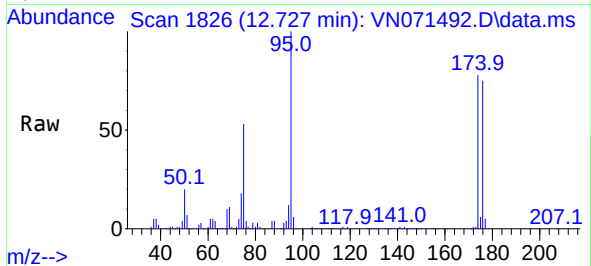




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

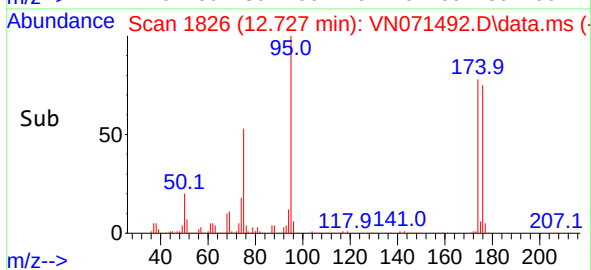
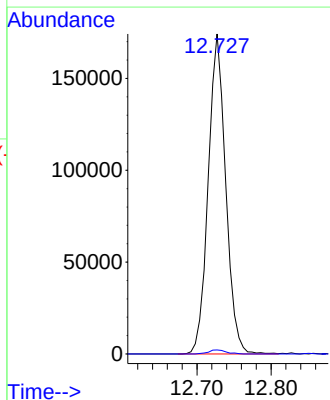
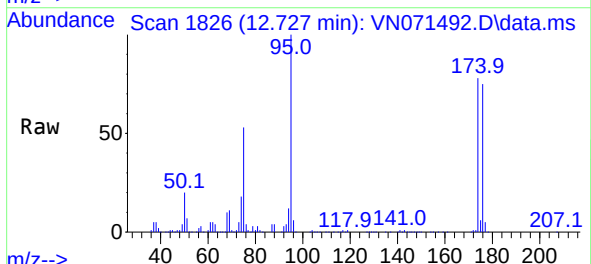
Instrument :
MSVOA_N
ClientSampleId :

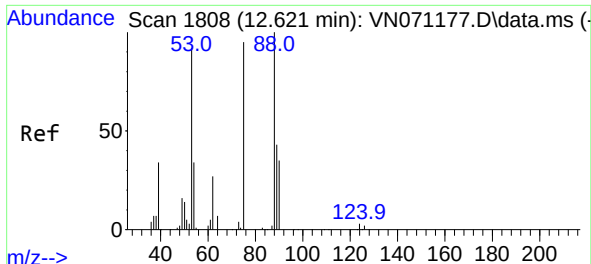
Tgt Ion: 83 Resp: 381
Ion Ratio Lower Upper
83 100
131 190.3 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.469 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

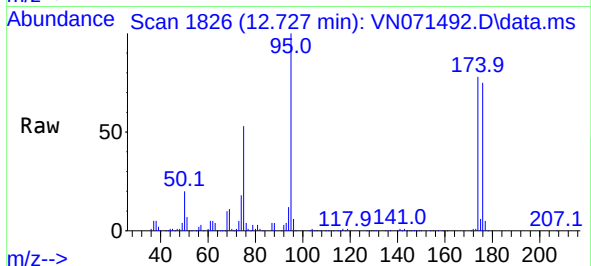
Tgt Ion: 75 Resp: 285374
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



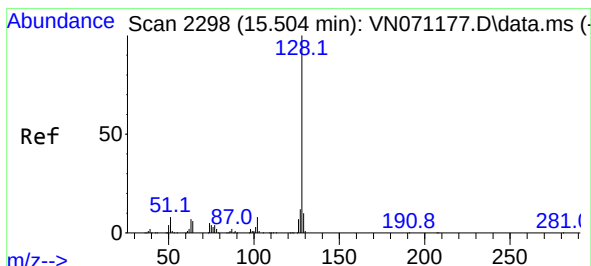
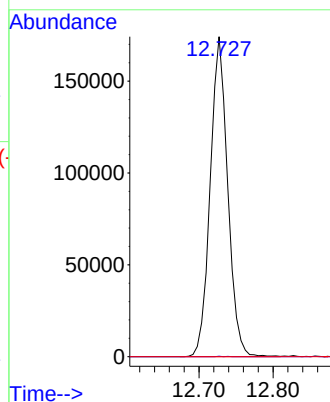
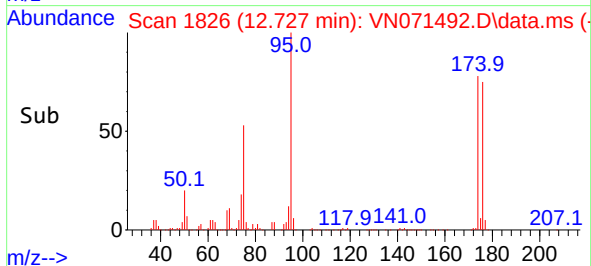


#81
trans-1,4-Dichloro-2-butene
Concen: 72.829 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01

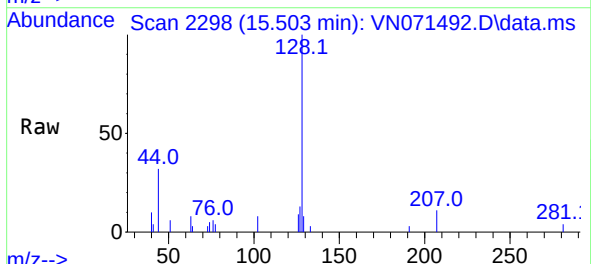
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 285374
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.440 ug/l
RT: 15.503 min Scan# 2298
Delta R.T. -0.001 min
Lab File: VN071492.D
Acq: 23 Mar 2022 03:01



Tgt Ion: 128 Resp: 8045
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 8.7 8.7 13.1#

