

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071290.D
 Acq On : 15 Mar 2022 14:28
 Operator : JC\MD
 Sample : N1851-03
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUM-35

Quant Time: Mar 15 14:55:39 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)

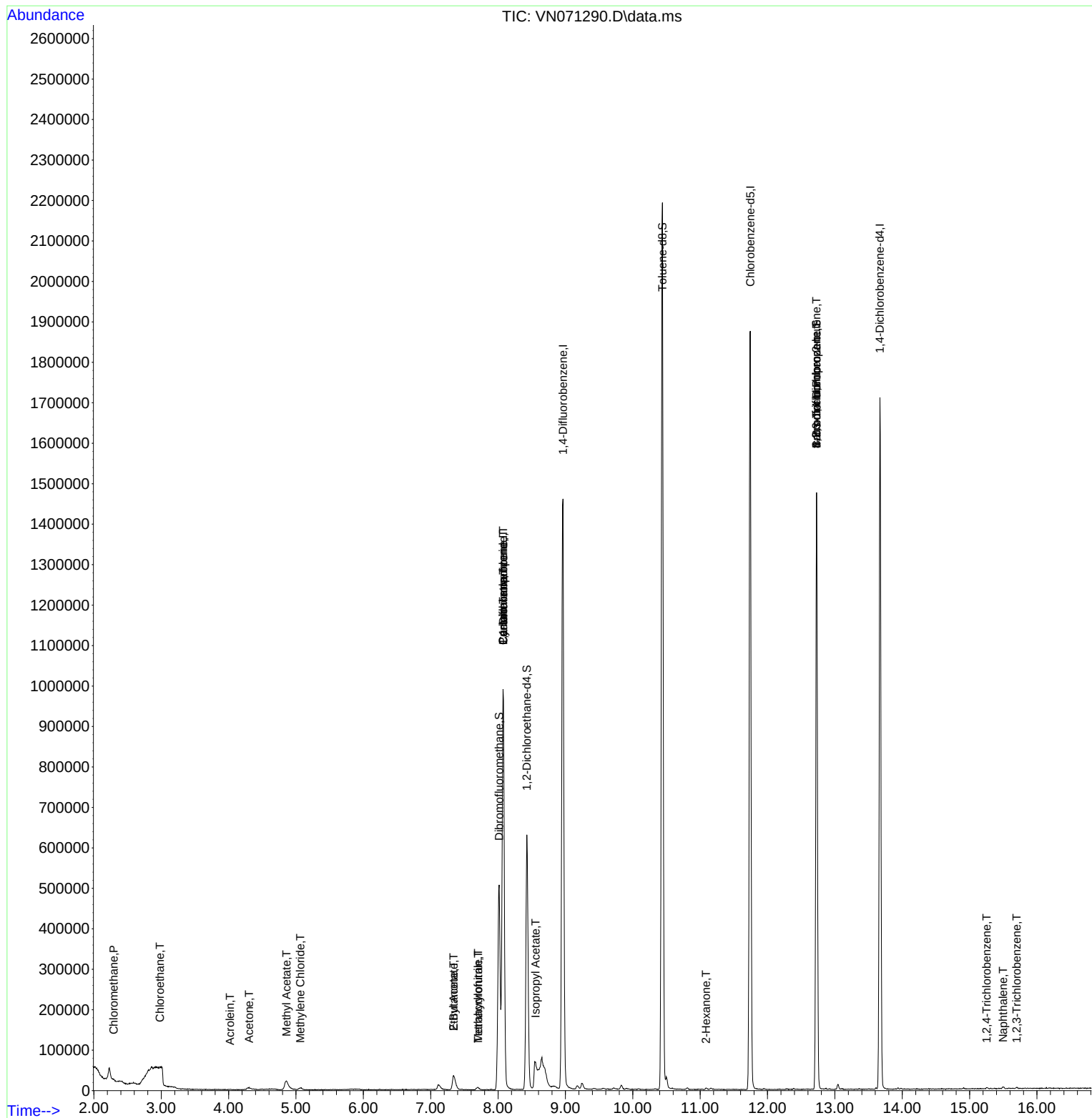
Internal Standards						
1) Pentafluorobenzene	8.075	168	790157	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.963	114	1314934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1097664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	464090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	511971	47.276	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.560%		
35) Dibromofluoromethane	8.016	113	372688	44.915	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.820%		
50) Toluene-d8	10.439	98	1534662	45.936	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.880%		
62) 4-Bromofluorobenzene	12.727	95	504849	44.625	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	3601	0.275	ug/l	89
5) Bromomethane	2.804	94	2125	Below Cal		98
6) Chloroethane	2.981	64	1825	0.284	ug/l #	42
13) Acrolein	4.022	56	565	0.251	ug/l #	51
16) Acetone	4.304	43	3907	0.741	ug/l	93
18) Methyl Acetate	4.857	43	59396	4.628	ug/l #	71
20) Methylene Chloride	5.063	84	3595	0.752	ug/l #	74
25) 2-Butanone	7.339	43	75895	8.941	ug/l #	89
29) Tetrahydrofuran	7.704	42	6120	1.041	ug/l #	59
31) Cyclohexane	8.075	56	17057	0.986	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	61648	4.637	ug/l #	49
37) Ethyl Acetate	7.339	43	75895	4.148	ug/l #	68
38) Carbon Tetrachloride	8.075	117	75858	5.899	ug/l #	16
41) Methacrylonitrile	7.704	41	3191	0.356	ug/l #	37
43) Isopropyl Acetate	8.557	43	70166	2.564	ug/l #	57
59) 2-Hexanone	11.086	43	3680	0.318	ug/l	72
71) Bromoform	12.727	173	3108	0.473	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.821	83	397	Below Cal	#	41
76) 1,2,3-Trichloropropane	12.727	75	259686	21.477	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	259686	60.488	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	1202	3.138	ug/l #	18
95) Naphthalene	15.498	128	4684	5.265	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.698	180	1523	2.929	ug/l	85

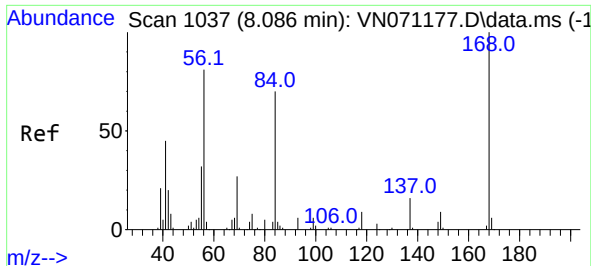
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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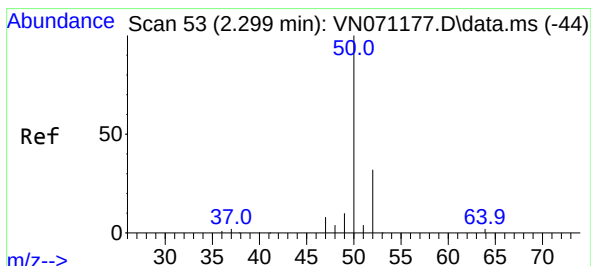
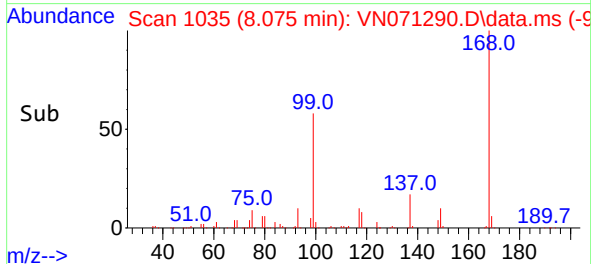
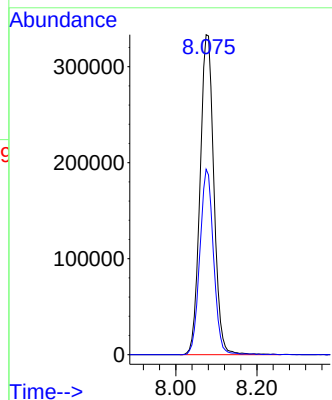
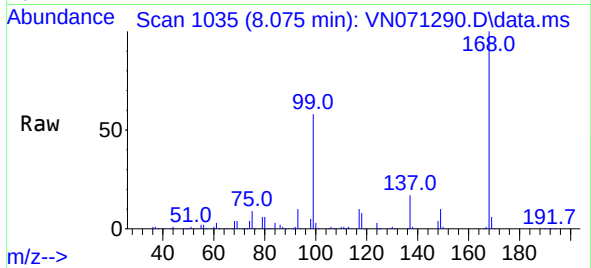




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.011 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

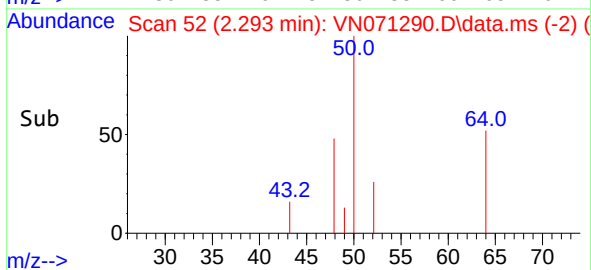
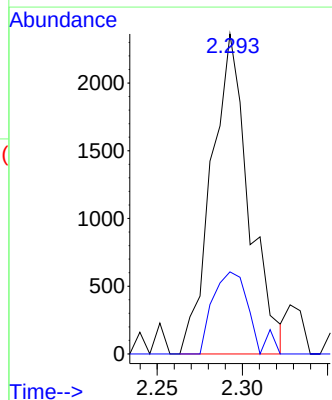
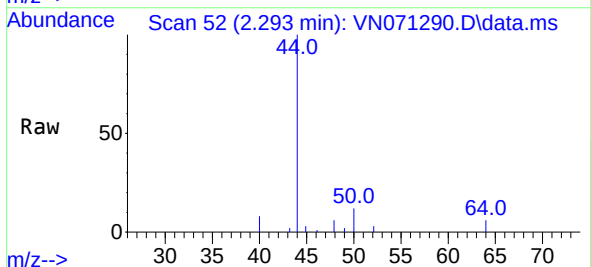
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

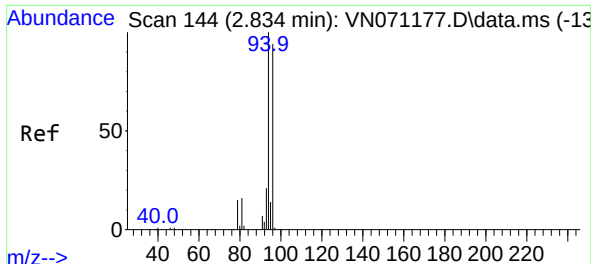
Tgt Ion:168 Resp: 790157
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 50 Resp: 3601
Ion Ratio Lower Upper
50 100
52 25.7 25.4 38.0

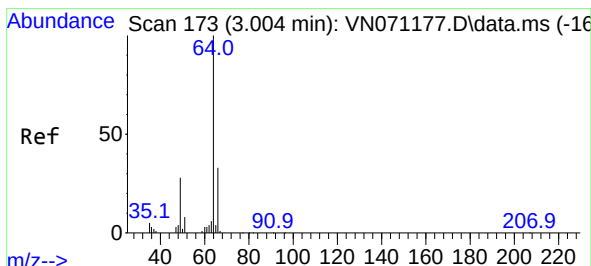
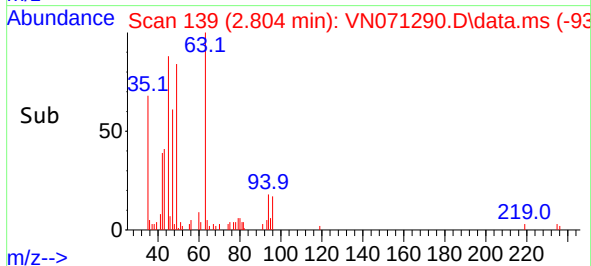
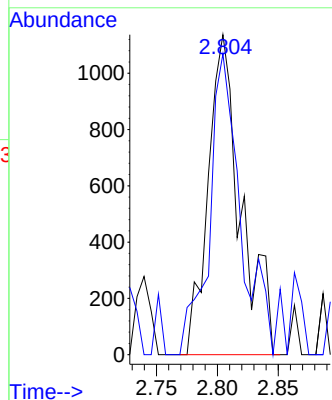
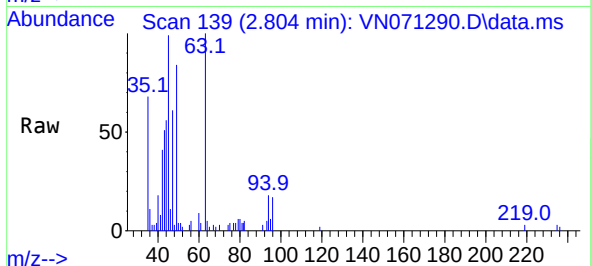




#5
Bromomethane
Concen: Below Cal
RT: 2.804 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

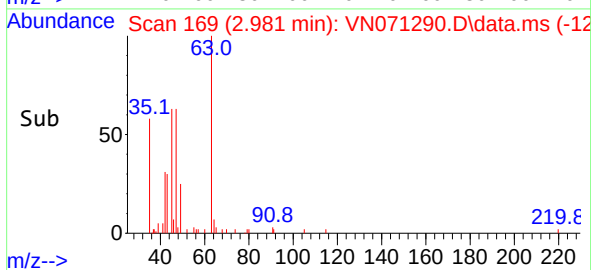
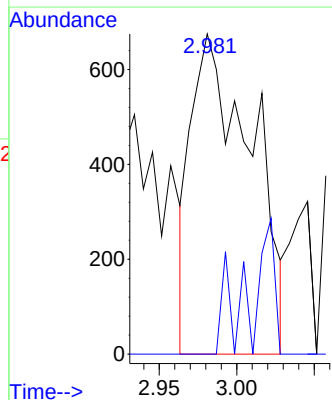
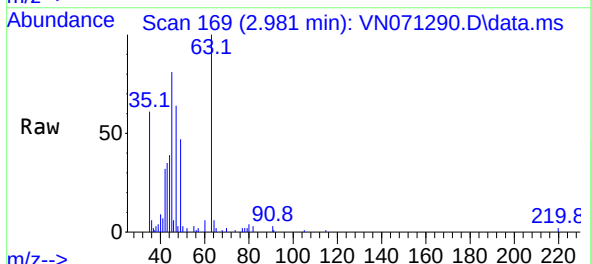
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

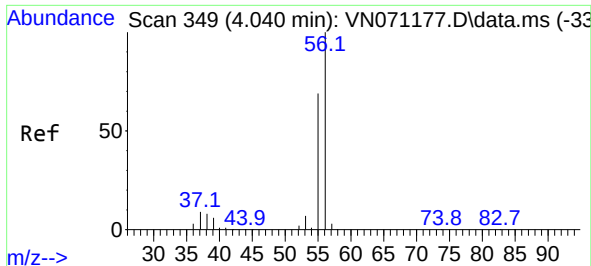
Tgt Ion: 94 Resp: 2125
Ion Ratio Lower Upper
94 100
96 94.0 73.8 110.8



#6
Chloroethane
Concen: 0.284 ug/l
RT: 2.981 min Scan# 169
Delta R.T. -0.023 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 64 Resp: 1825
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

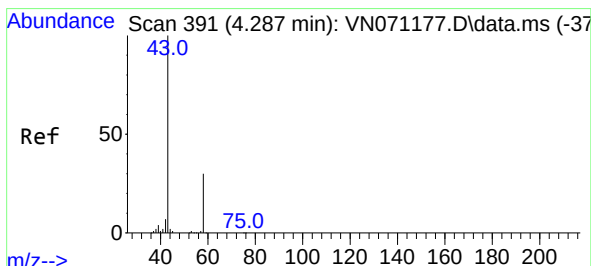
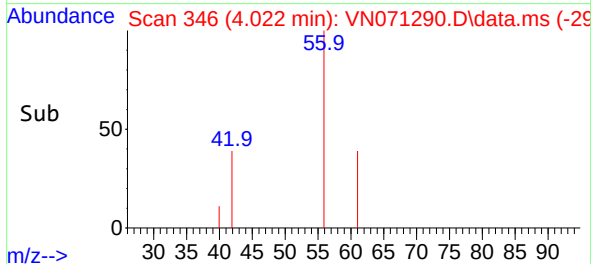
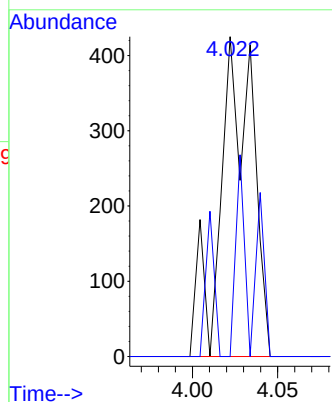
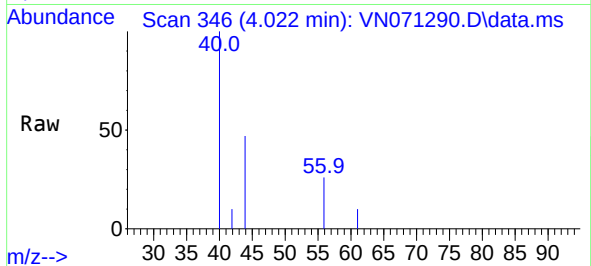




#13
Acrolein
Concen: 0.251 ug/l
RT: 4.022 min Scan# 34
Delta R.T. -0.018 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

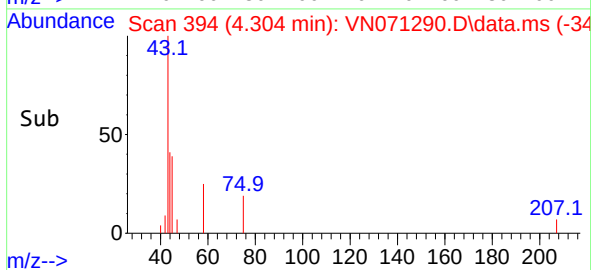
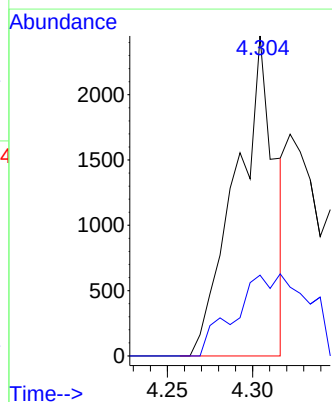
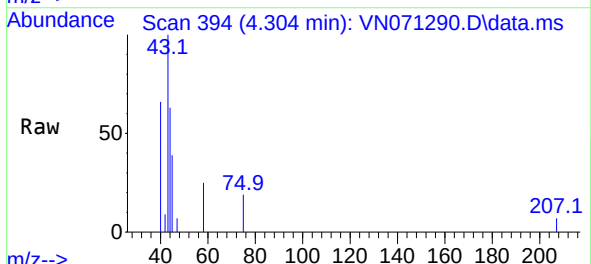
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

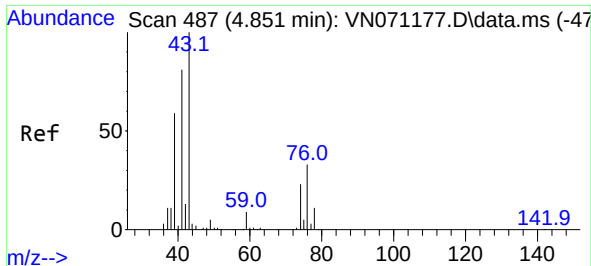
Tgt Ion: 56 Resp: 565
Ion Ratio Lower Upper
56 100
55 30.4 56.6 85.0#



#16
Acetone
Concen: 0.741 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.018 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 43 Resp: 3907
Ion Ratio Lower Upper
43 100
58 25.2 23.1 34.7

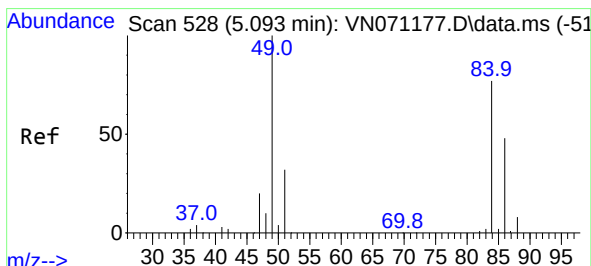
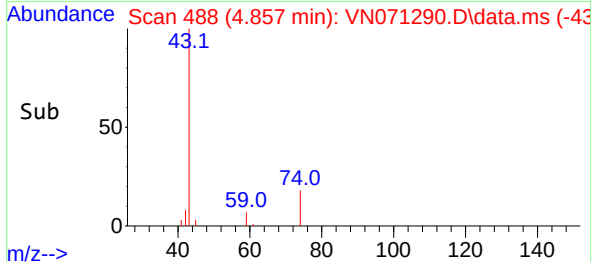
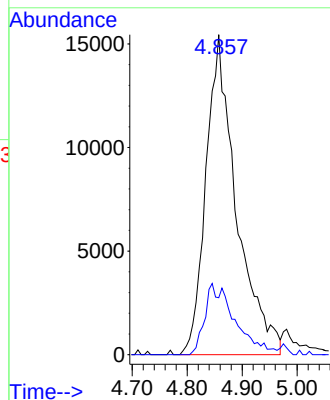
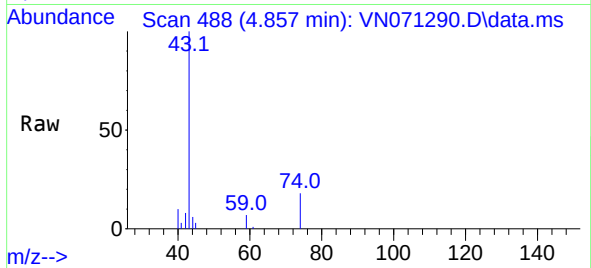




#18
Methyl Acetate
Concen: 4.628 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

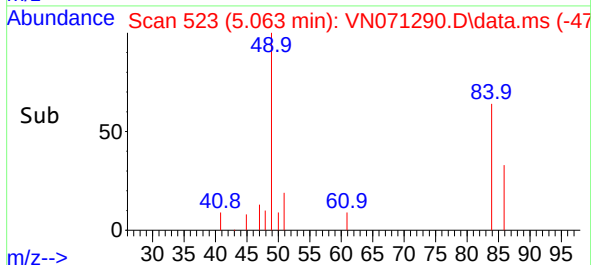
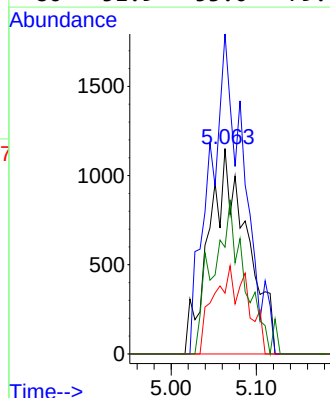
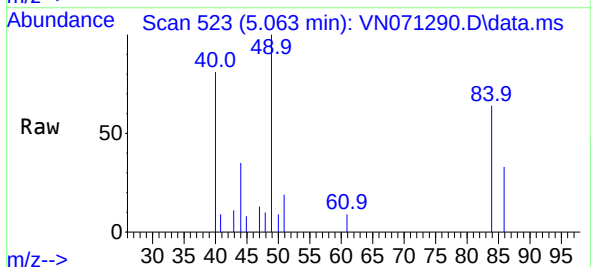
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

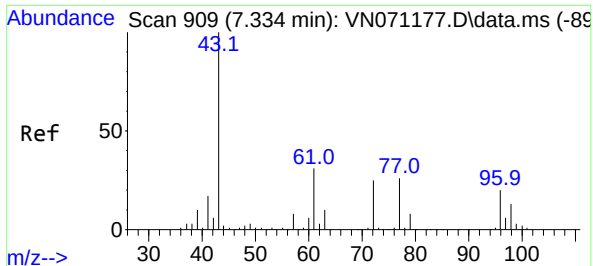
Tgt Ion: 43 Resp: 59396
Ion Ratio Lower Upper
43 100
74 10.0 19.4 29.2#



#20
Methylene Chloride
Concen: 0.752 ug/l
RT: 5.063 min Scan# 523
Delta R.T. -0.030 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 84 Resp: 3595
Ion Ratio Lower Upper
84 100
49 155.7 93.5 140.3#
51 29.6 29.4 44.2
86 51.9 53.0 79.4#





#25

2-Butanone

Concen: 8.941 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.006 min

Lab File: VN071290.D

Acq: 15 Mar 2022 14:28

Instrument :

MSVOA_N

ClientSampleId :

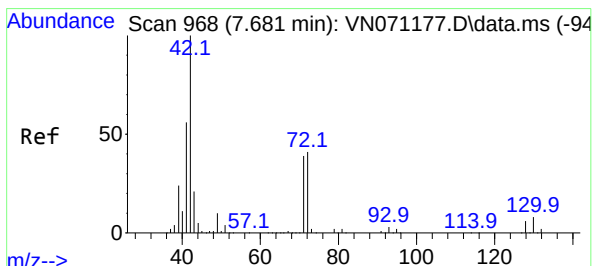
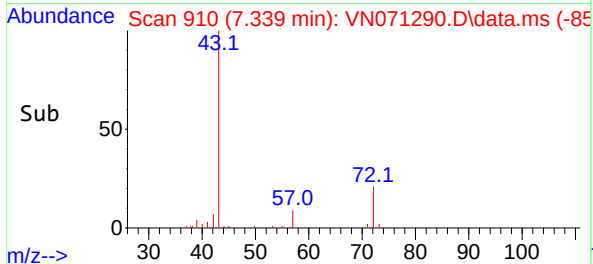
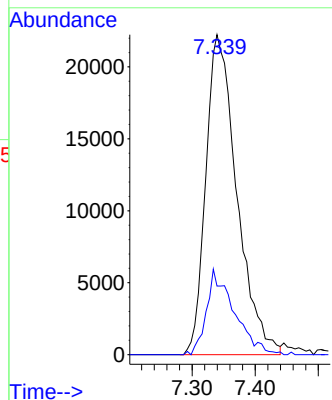
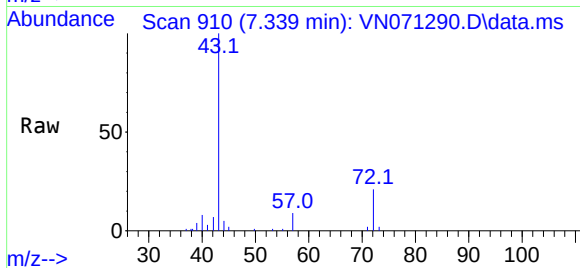
DUM-35

Tgt Ion: 43 Resp: 75895

Ion Ratio Lower Upper

43 100

72 21.4 21.7 32.5#



#29

Tetrahydrofuran

Concen: 1.041 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.024 min

Lab File: VN071290.D

Acq: 15 Mar 2022 14:28

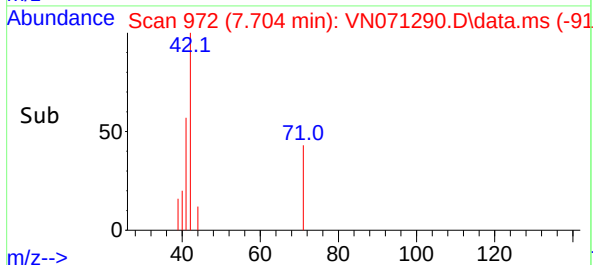
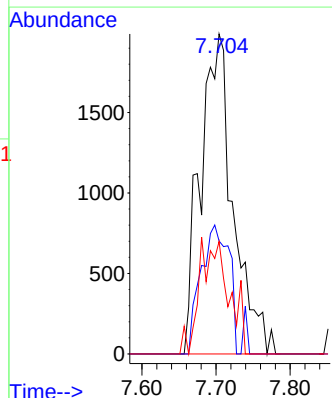
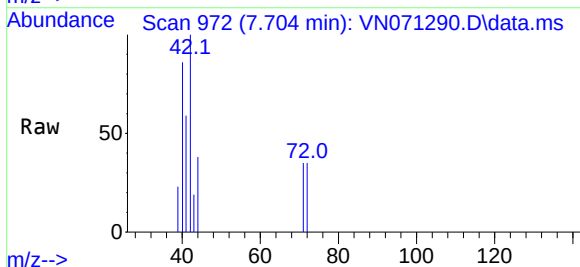
Tgt Ion: 42 Resp: 6120

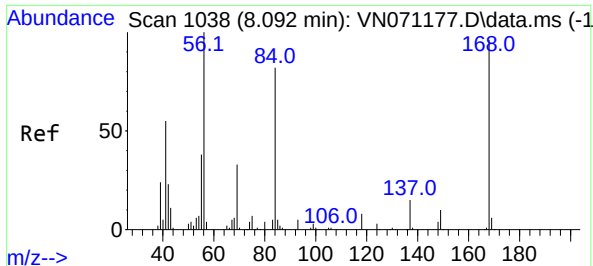
Ion Ratio Lower Upper

42 100

72 34.6 36.3 54.5#

71 0.0 34.7 52.1#

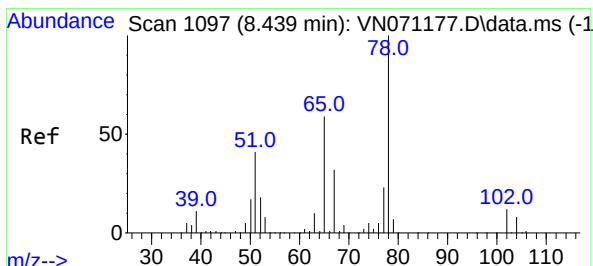
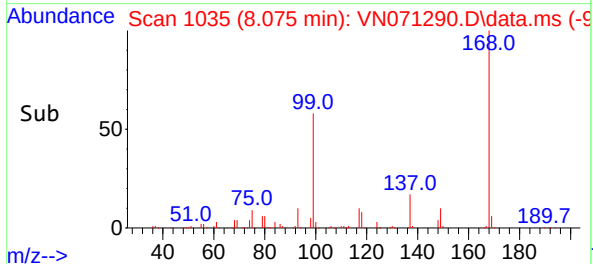
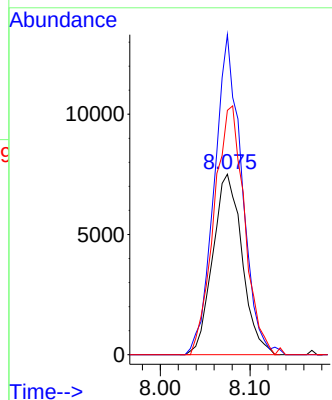
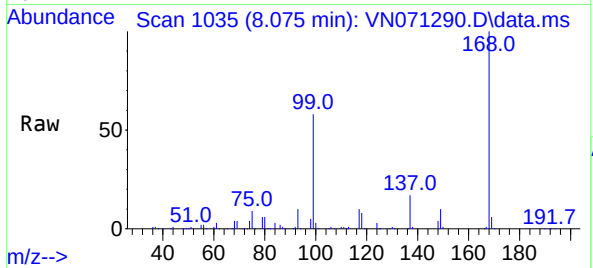




#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.018 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

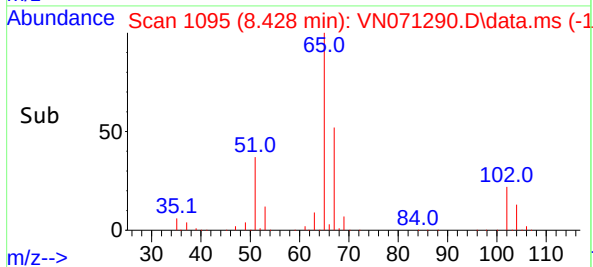
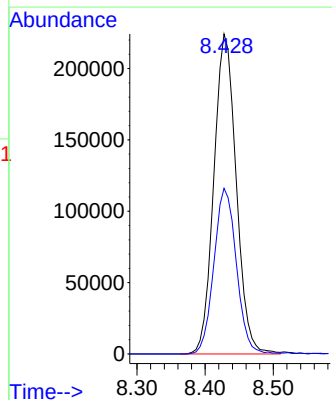
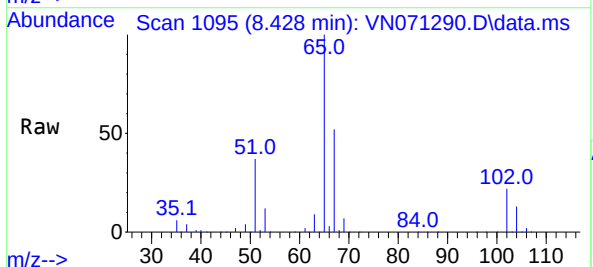
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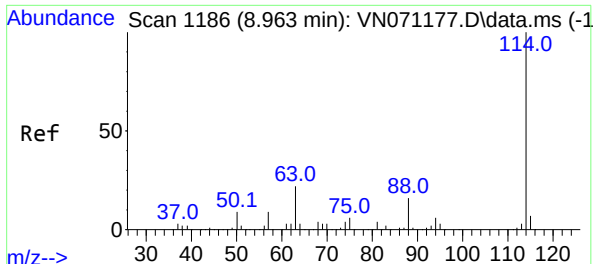
Tgt Ion: 56 Resp: 17057
Ion Ratio Lower Upper
56 100
69 177.4 27.1 40.7#
84 135.5 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.276 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.012 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 65 Resp: 511971
Ion Ratio Lower Upper
65 100
67 51.9 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: VN071290.D

Acq: 15 Mar 2022 14:28

Instrument :

MSVOA_N

ClientSampleId :

DUM-35

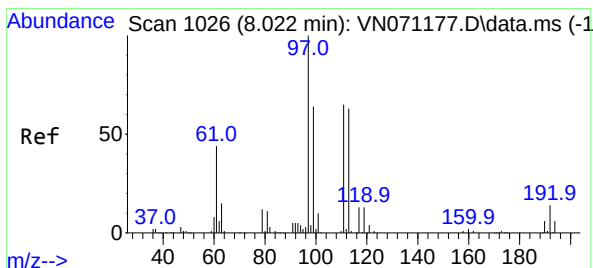
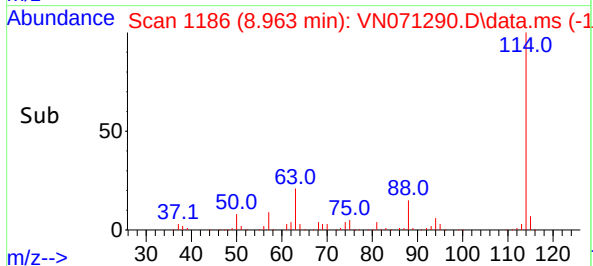
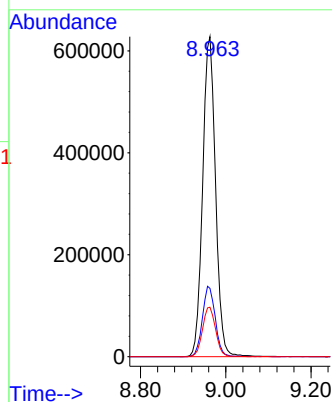
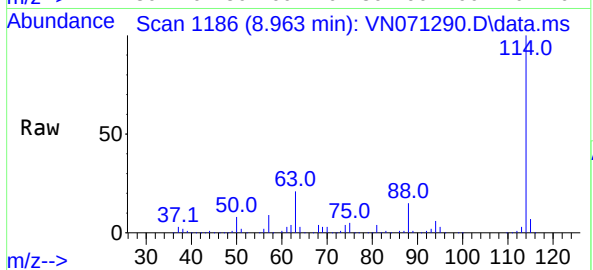
Tgt Ion:114 Resp: 1314934

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 15.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 44.915 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071290.D

Acq: 15 Mar 2022 14:28

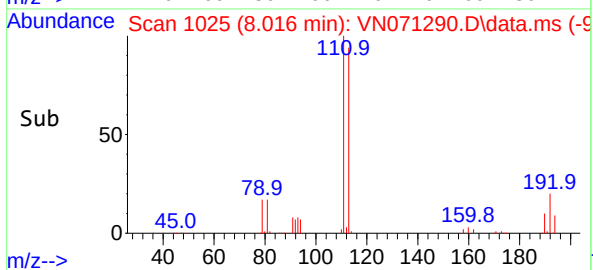
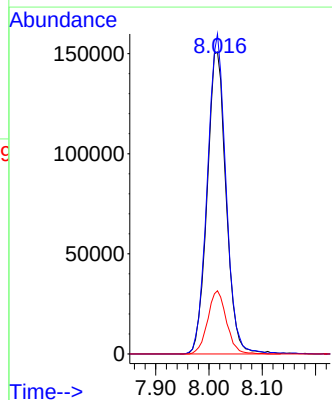
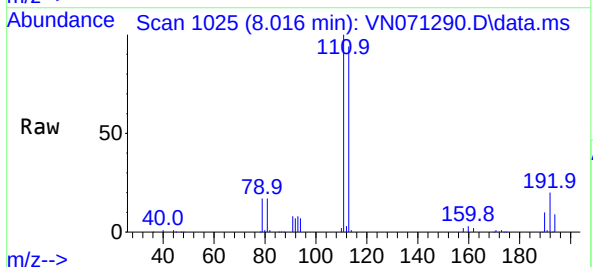
Tgt Ion:113 Resp: 372688

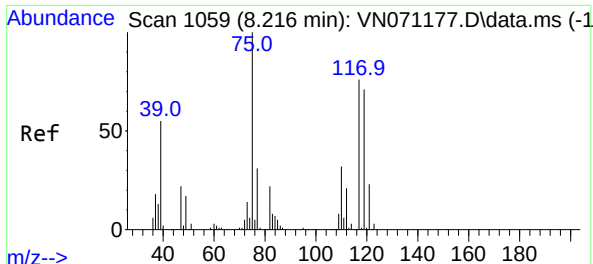
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.2

192 20.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.637 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN071290.D

Acq: 15 Mar 2022 14:28

Instrument :

MSVOA_N

ClientSampleId :

DUM-35

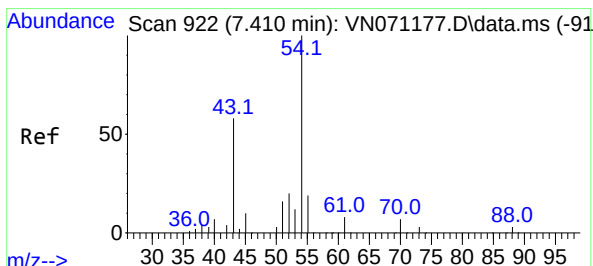
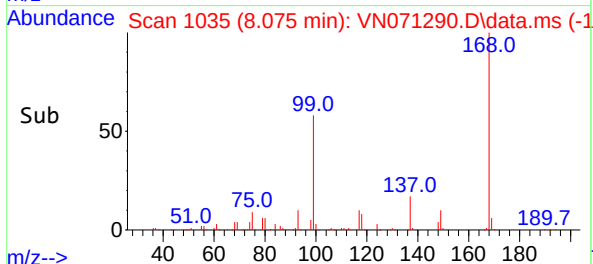
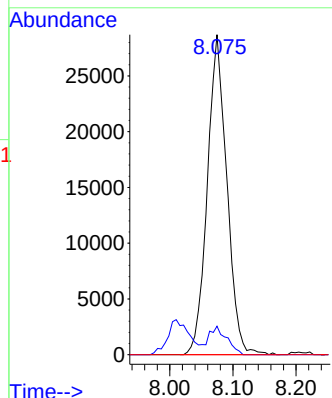
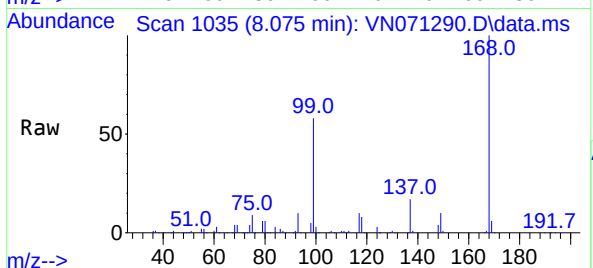
Tgt Ion: 75 Resp: 61648

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.148 ug/l

RT: 7.339 min Scan# 910

Delta R.T. -0.071 min

Lab File: VN071290.D

Acq: 15 Mar 2022 14:28

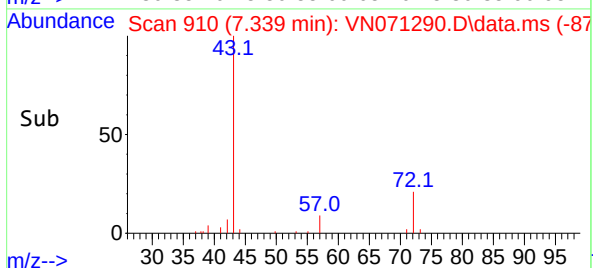
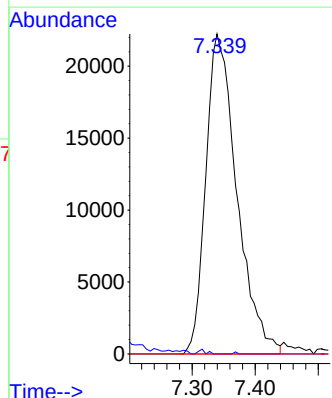
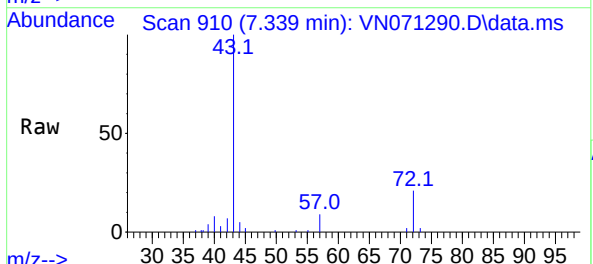
Tgt Ion: 43 Resp: 75895

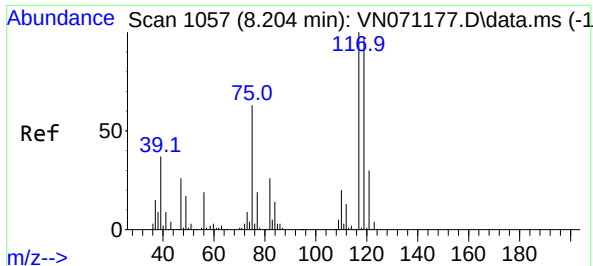
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#

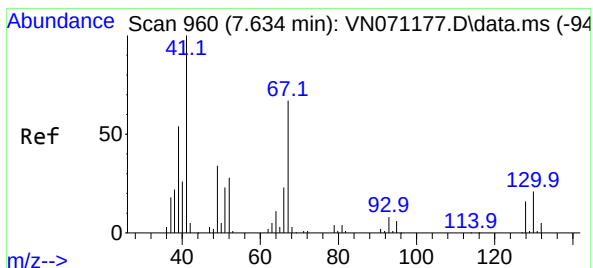
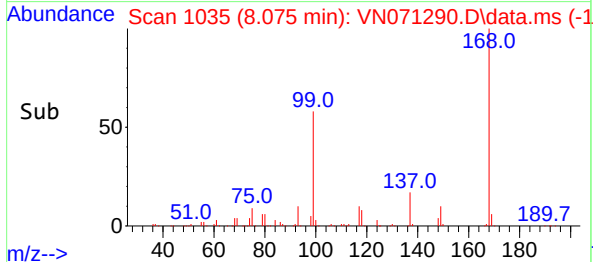
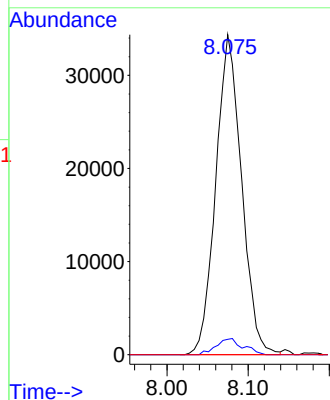
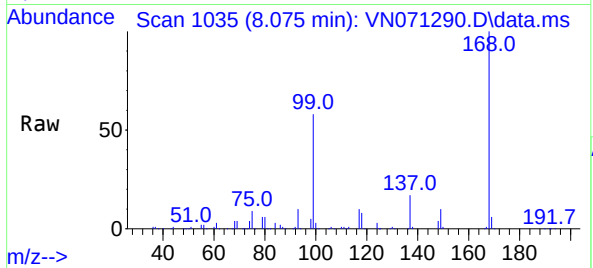




#38
Carbon Tetrachloride
Concen: 5.899 ug/l
RT: 8.075 min Scan# 1057
Delta R.T. -0.129 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

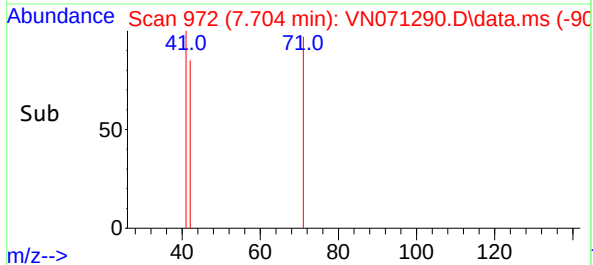
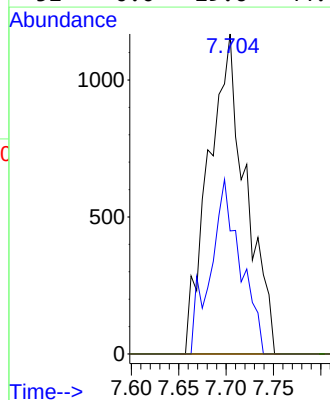
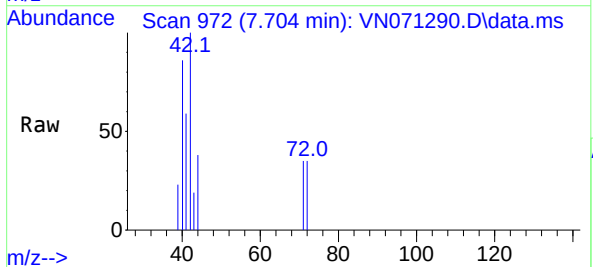
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

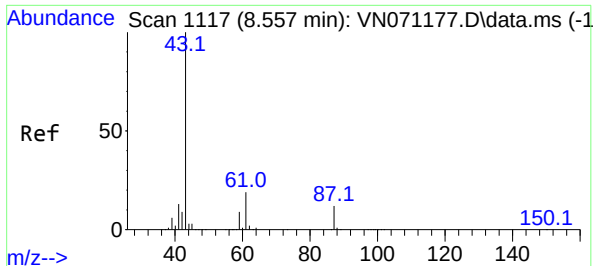
Tgt Ion:117 Resp: 75858
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.356 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.071 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 41 Resp: 3191
Ion Ratio Lower Upper
41 100
39 44.0 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

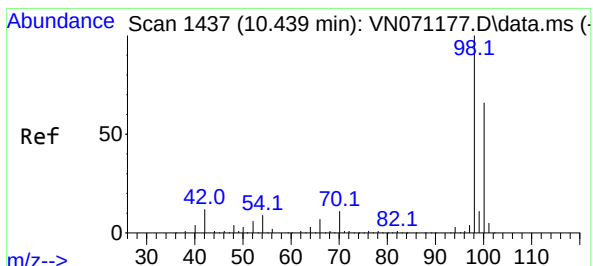
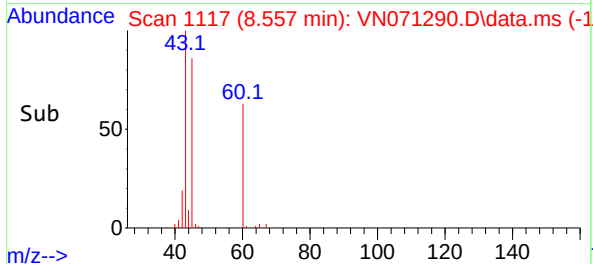
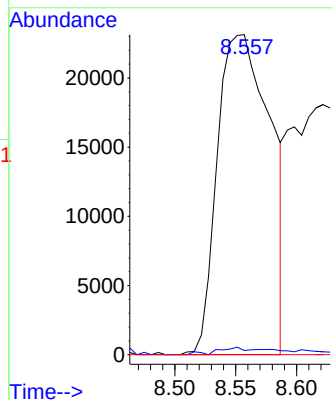
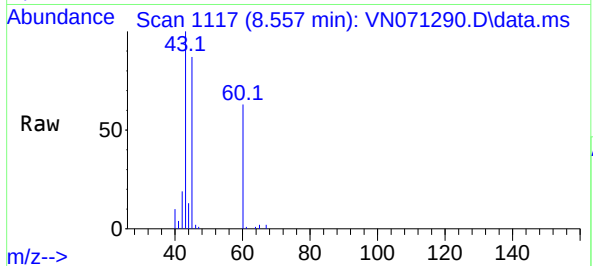




#43
Isopropyl Acetate
Concen: 2.564 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

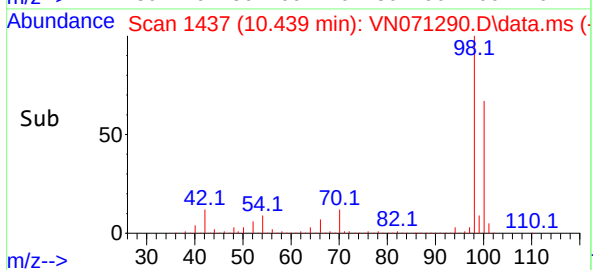
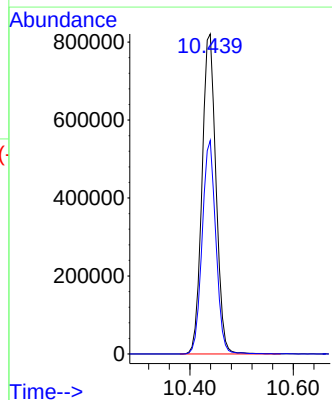
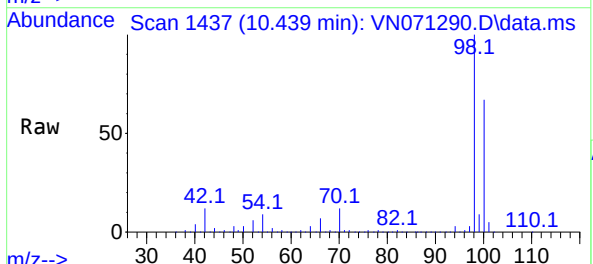
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

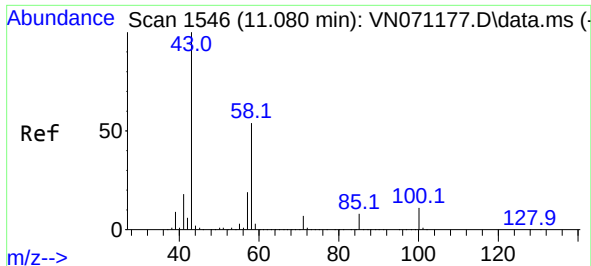
Tgt Ion: 43 Resp: 70166
Ion Ratio Lower Upper
43 100
61 1.4 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 45.936 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 98 Resp: 1534662
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6

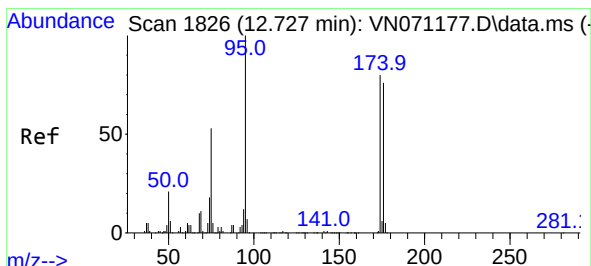
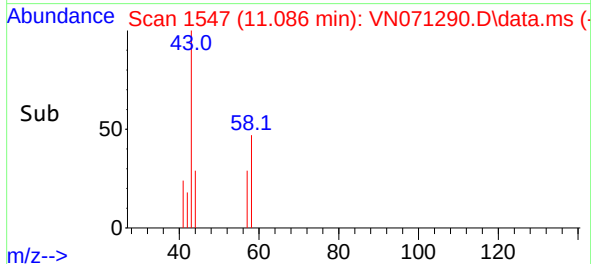
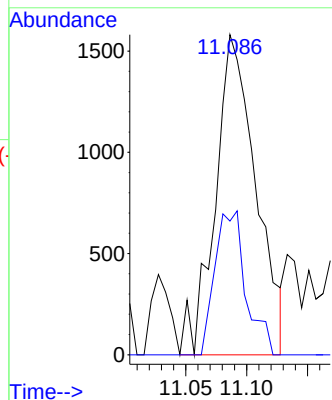
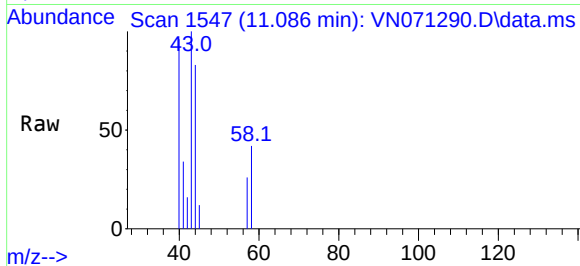




#59
2-Hexanone
Concen: 0.318 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

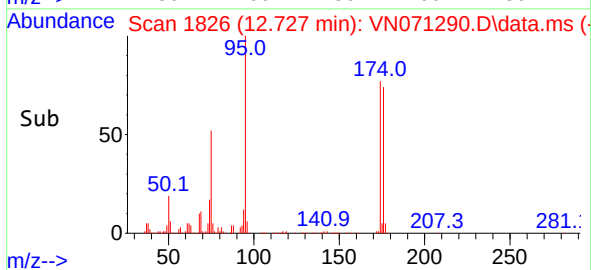
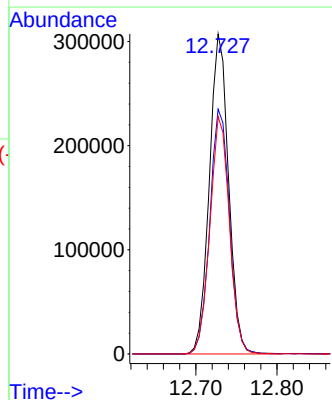
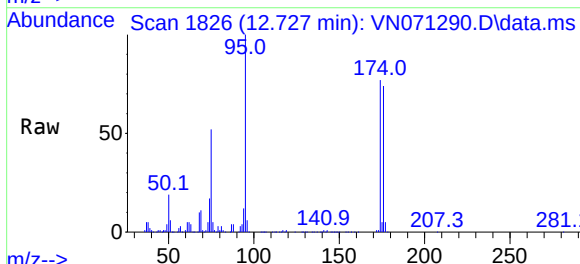
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

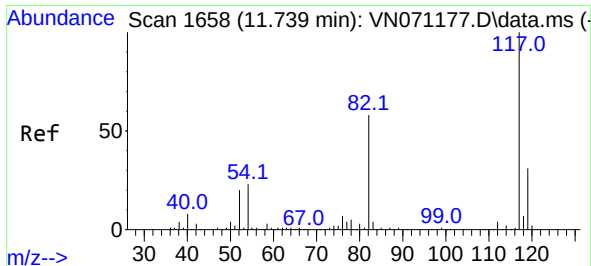
Tgt Ion: 43 Resp: 3680
Ion Ratio Lower Upper
43 100
58 34.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 44.625 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 95 Resp: 504849
Ion Ratio Lower Upper
95 100
174 78.5 0.0 187.2
176 75.1 0.0 181.4

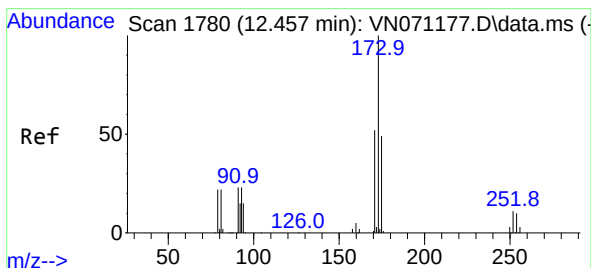
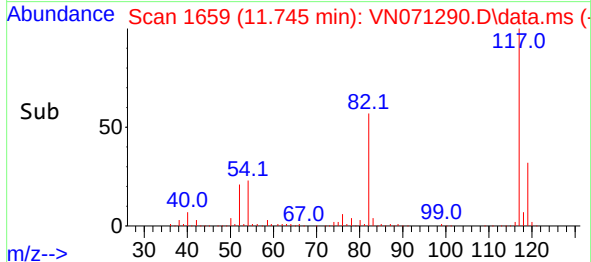
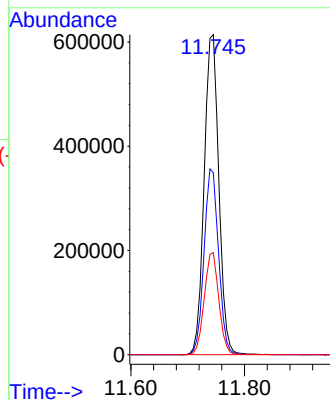
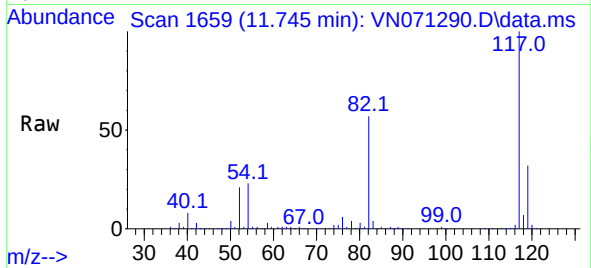




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

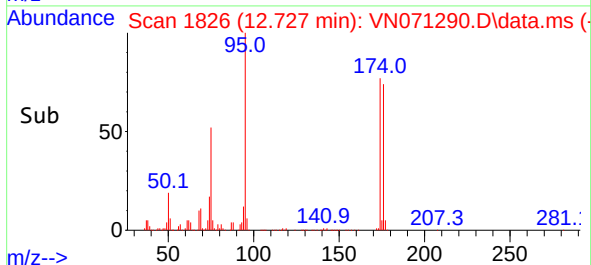
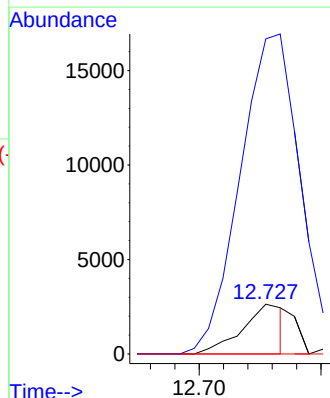
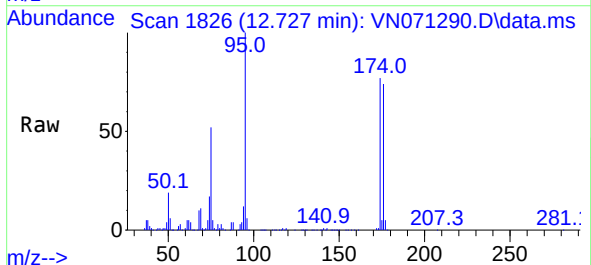
Instrument :
MSVOA_N
ClientSampleId :
DUM-35

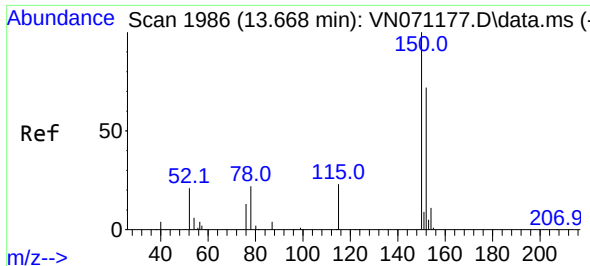
Tgt Ion:117 Resp: 1097664
Ion Ratio Lower Upper
117 100
82 56.9 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.473 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

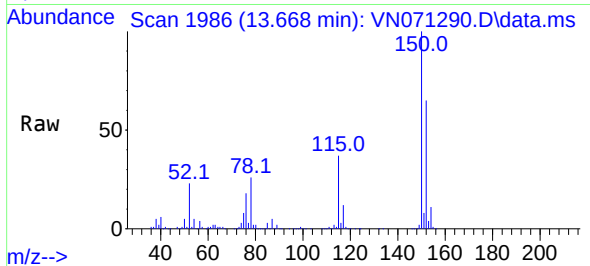
Tgt Ion:173 Resp: 3108
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



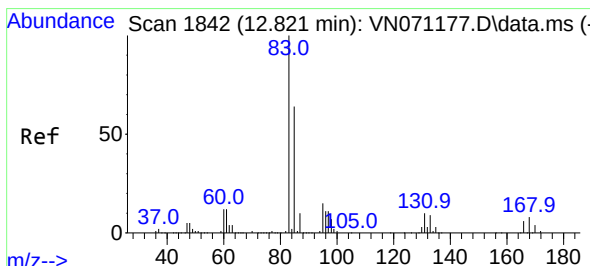
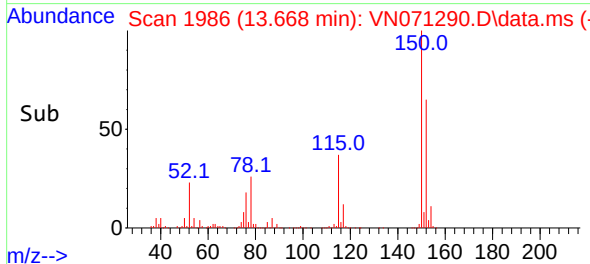
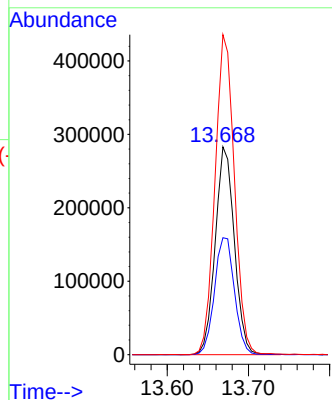


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Instrument :
MSVOA_N
ClientSampleId :
DUM-35

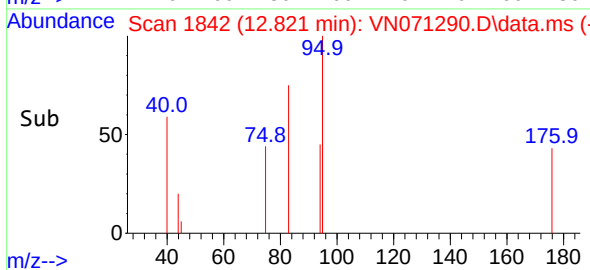
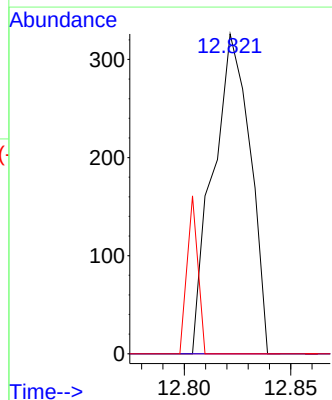
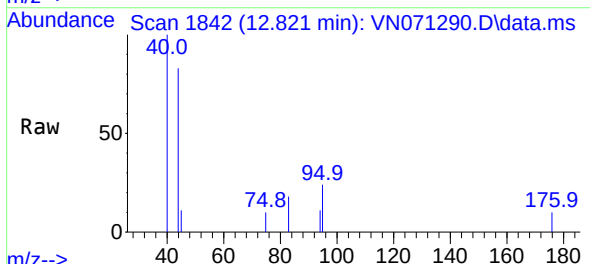


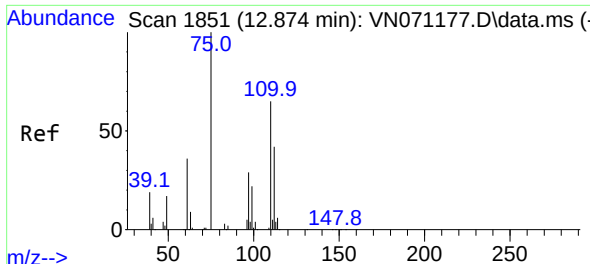
Tgt Ion:152 Resp: 464090
Ion Ratio Lower Upper
152 100
115 58.9 27.5 82.5
150 156.2 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.821 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 83 Resp: 397
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 14.4 32.4 97.2#

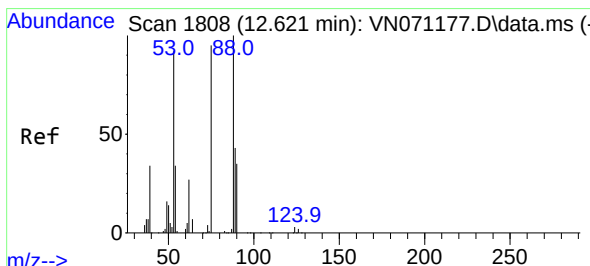
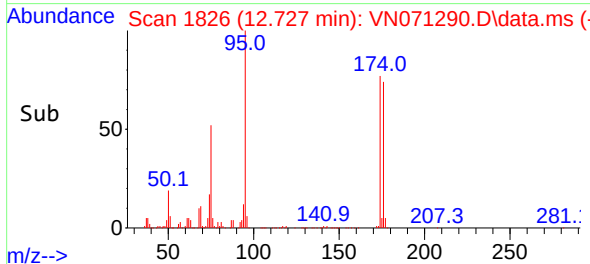
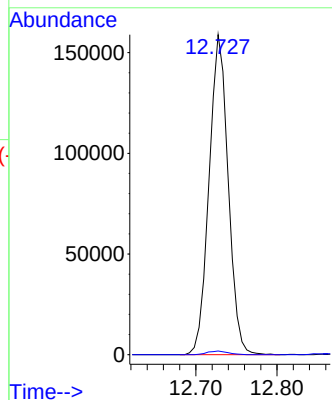
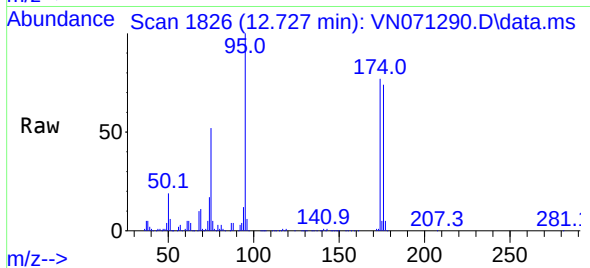




#76
1,2,3-Trichloropropane
Concen: 21.477 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

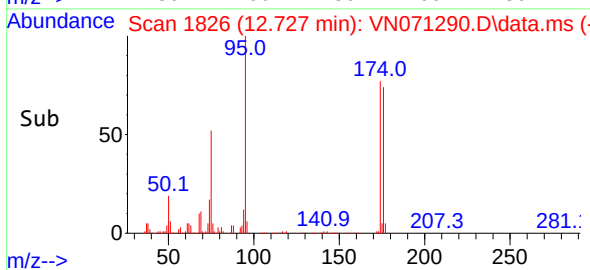
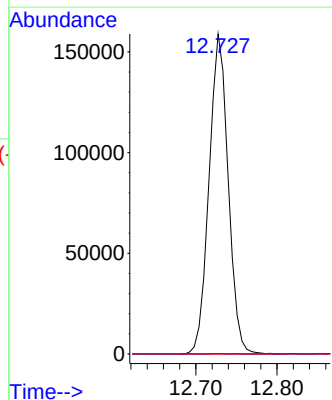
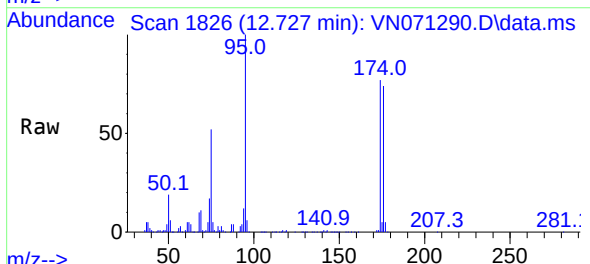
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ClientSampleId :
DUM-35

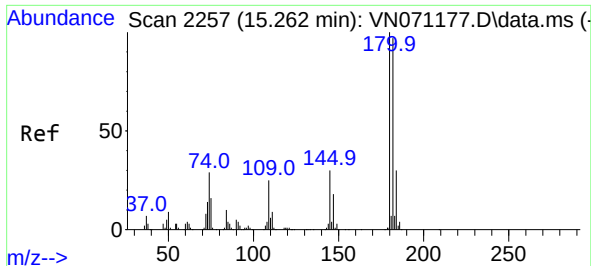
Tgt Ion: 75 Resp: 259686
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.488 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion: 75 Resp: 259686
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

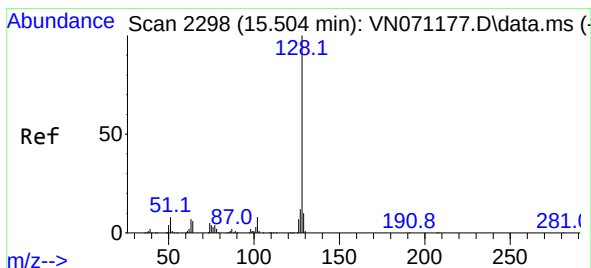
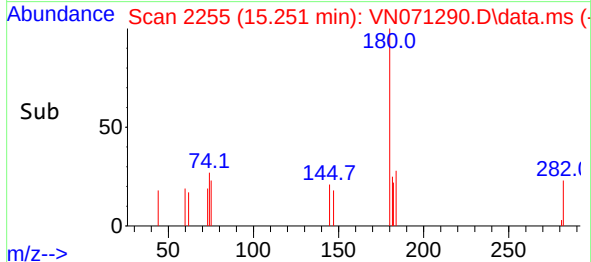
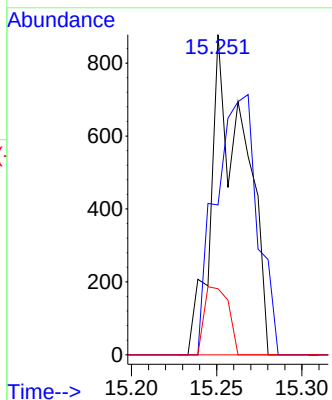
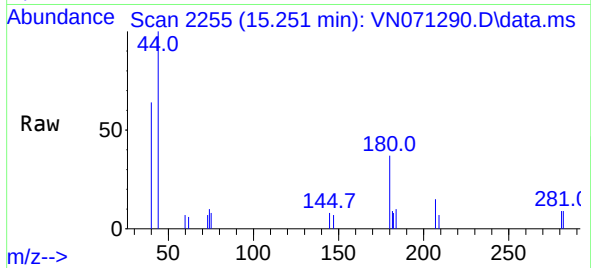




#93
1,2,4-Trichlorobenzene
Concen: 3.138 ug/l
RT: 15.251 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

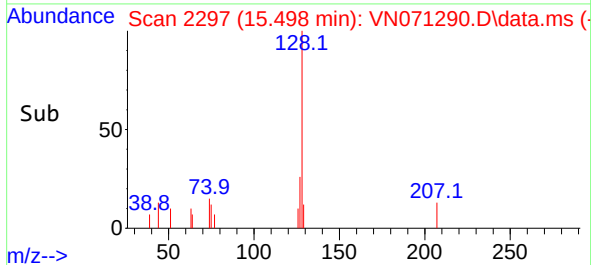
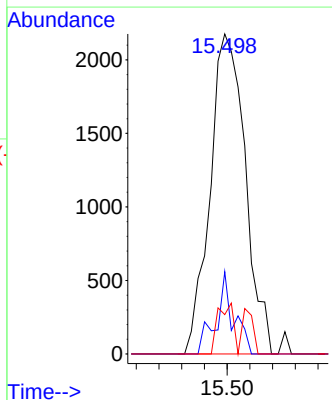
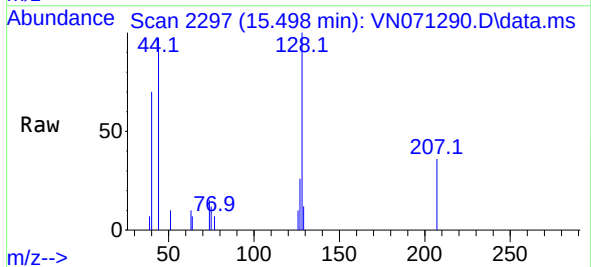
Instrument :
MSVOA_N
ClientSampleId :
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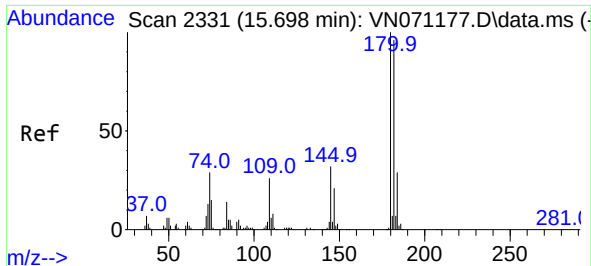
Tgt Ion:180 Resp: 1202
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 15.2 14.5 43.5



#95
Naphthalene
Concen: 5.265 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071290.D
Acq: 15 Mar 2022 14:28

Tgt Ion:128 Resp: 4684
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 7.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.929 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071290.D
 Acq: 15 Mar 2022 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUM-35

Tgt Ion:	180	Resp:	1523
Ion	Ratio	Lower	Upper
180	100		
182	80.5	47.4	142.2
145	21.7	15.0	45.1

