

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073697.D
 Acq On : 24 Jun 2022 19:53
 Operator : VA/SY
 Sample : N3502-03
 Misc : 5.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-42-UC

Quant Time: Jun 25 07:24:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

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

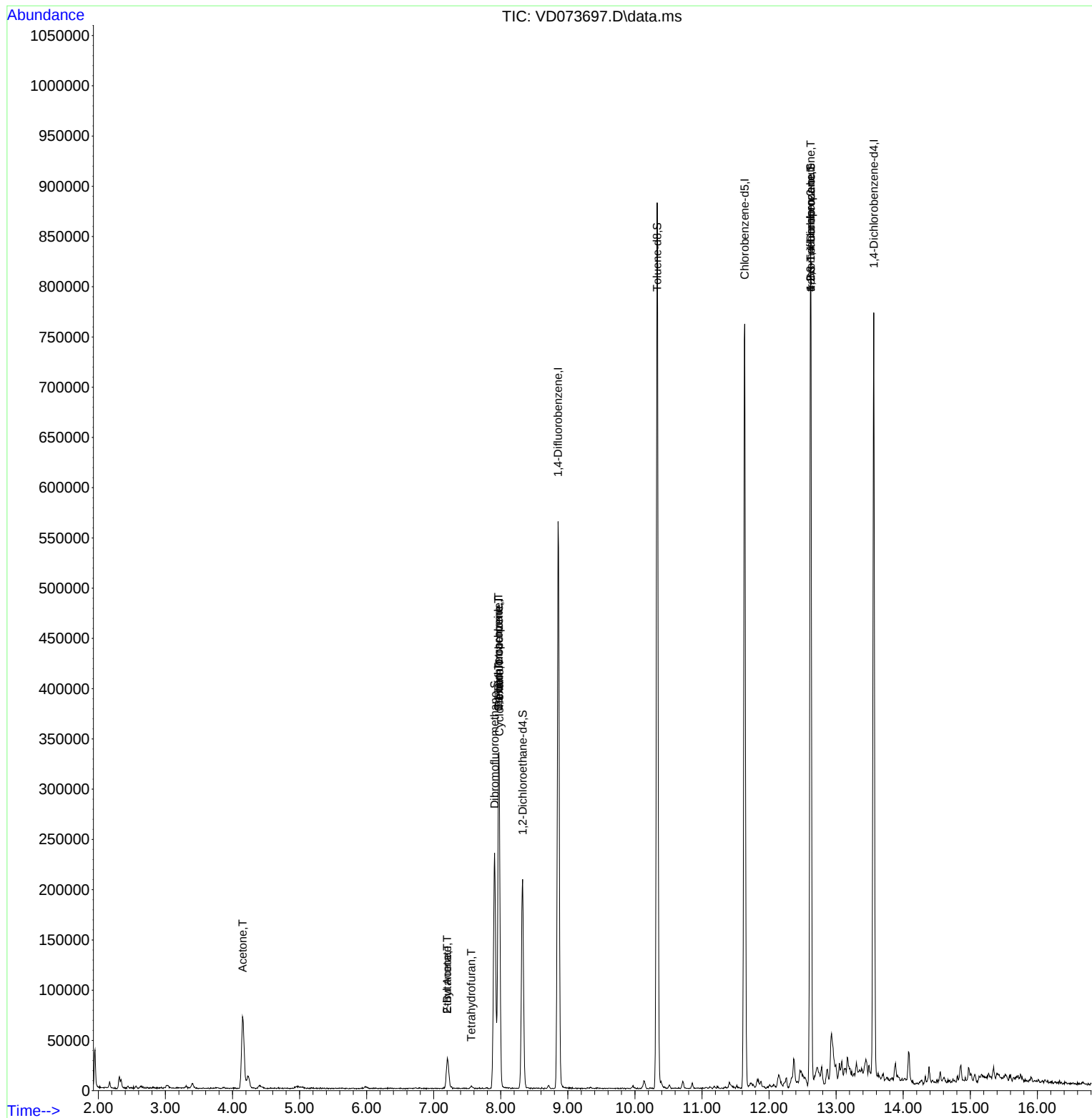
Internal Standards						
1) Pentafluorobenzene	7.973	168	252856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	482969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	454409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	203020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166344	53.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.120%	
35) Dibromofluoromethane	7.908	113	168612	44.816	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.640%	
50) Toluene-d8	10.331	98	579346	42.887	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 85.780%	
62) 4-Bromofluorobenzene	12.620	95	211274	41.699	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.400%	
Target Compounds						
						Qvalue
3) Chloromethane	2.202	50	247	Below Cal	#	40
5) Bromomethane	2.773	94	343	Below Cal		92
11) Tert butyl alcohol	5.214	59	123	Below Cal	#	100
16) Acetone	4.149	43	126066	252.356	ug/l	95
18) Methyl Acetate	4.714	43	268	Below Cal	#	50
20) Methylene Chloride	4.949	84	1062	Below Cal	#	57
25) 2-Butanone	7.202	43	49676	63.472	ug/l	98
29) Tetrahydrofuran	7.561	42	1071	2.251	ug/l #	84
31) Cyclohexane	7.979	56	5890	1.264	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	20131	3.812	ug/l #	50
37) Ethyl Acetate	7.202	43	49676	23.965	ug/l #	68
38) Carbon Tetrachloride	7.967	117	26232	4.266	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	107615	54.469	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	107615	111.203	ug/l #	11

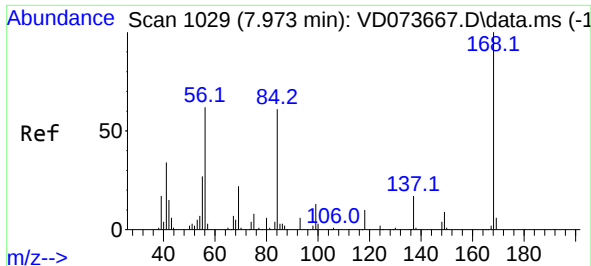
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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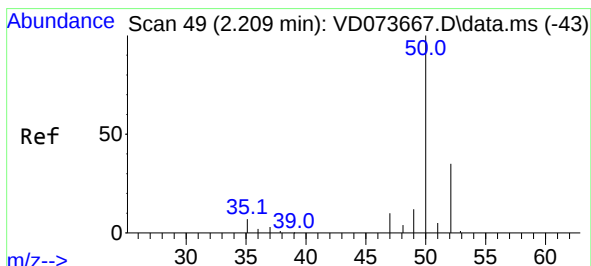
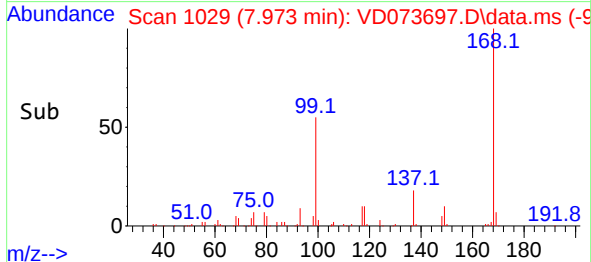
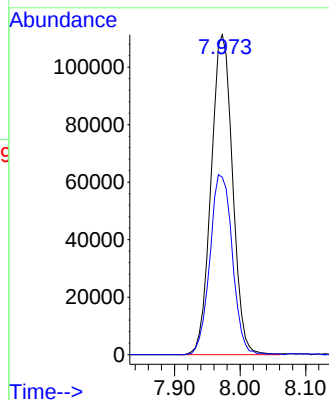
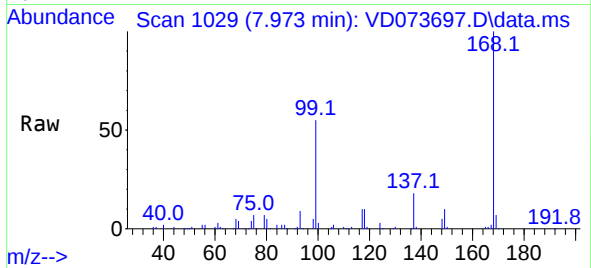




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

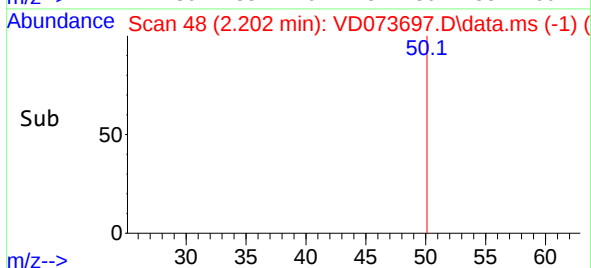
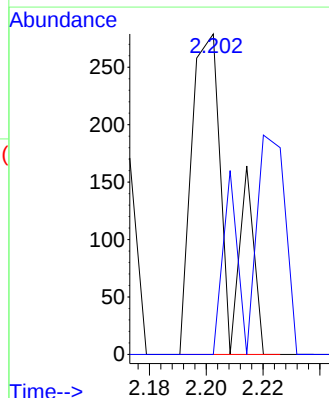
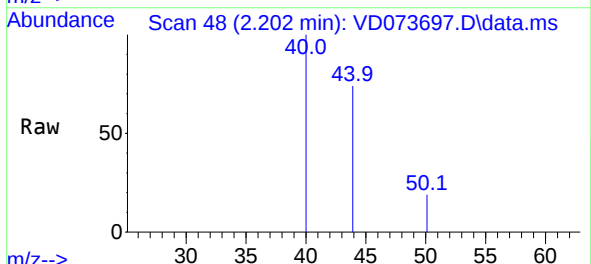
Instrument :
MSVOA_D
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D-42-UC

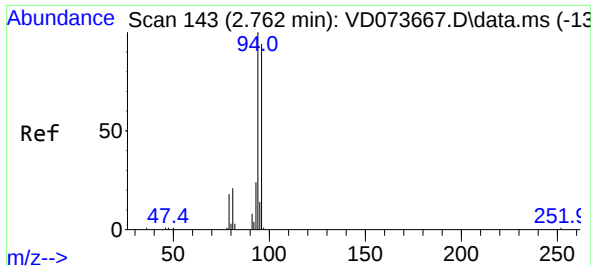
Tgt Ion:168 Resp: 252856
Ion Ratio Lower Upper
168 100
99 55.4 46.4 69.6



#3
Chloromethane
Concen: Below Cal
RT: 2.202 min Scan# 48
Delta R.T. -0.007 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 50 Resp: 247
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

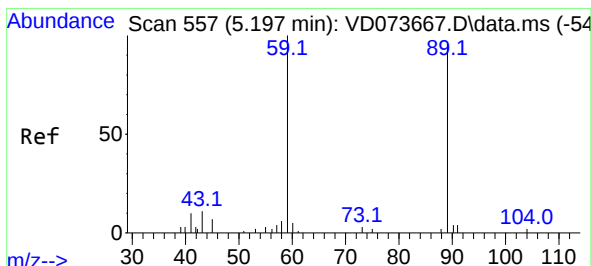
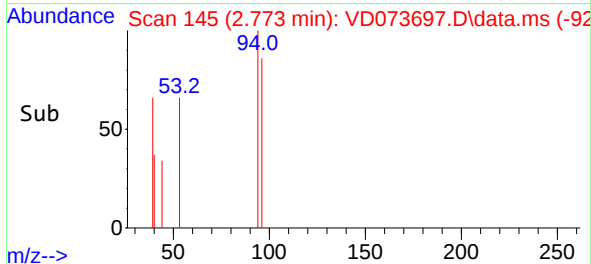
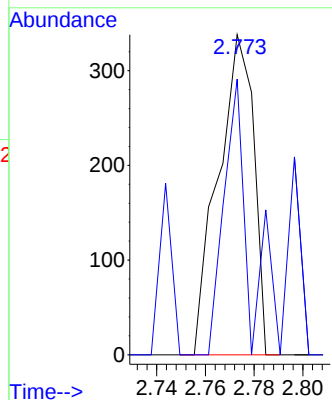
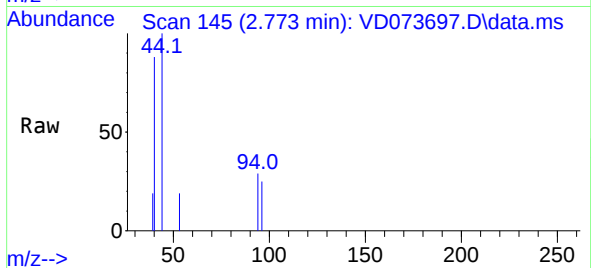




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

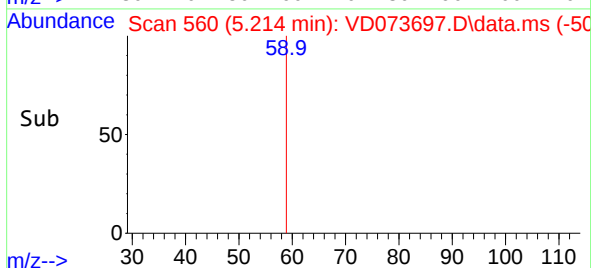
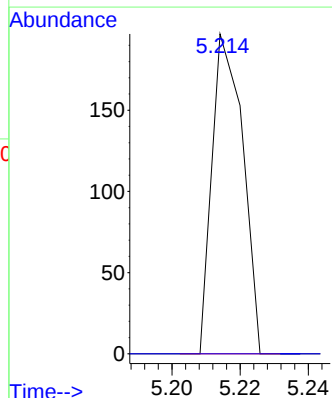
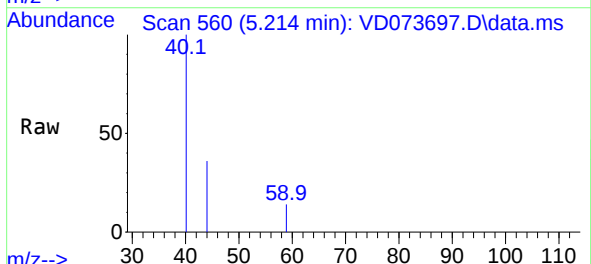
Instrument :
MSVOA_D
ClientSampleId :
D-42-UC

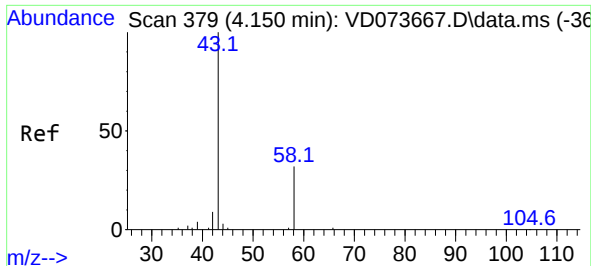
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 86.1 75.1 112.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. 0.017 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

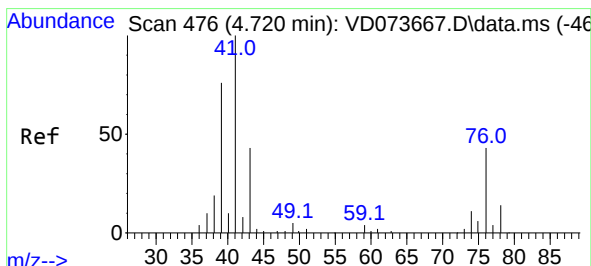
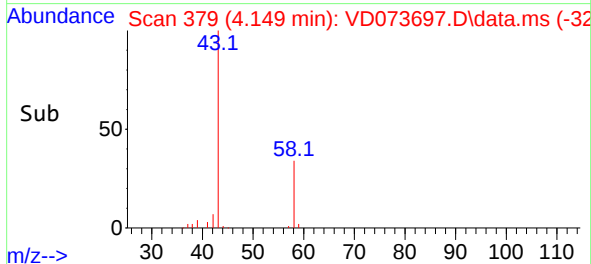
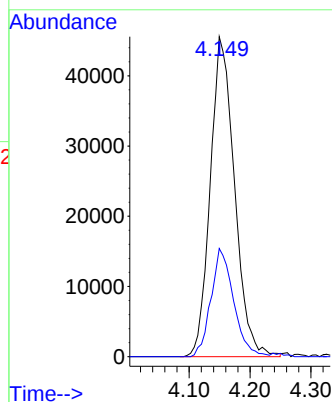
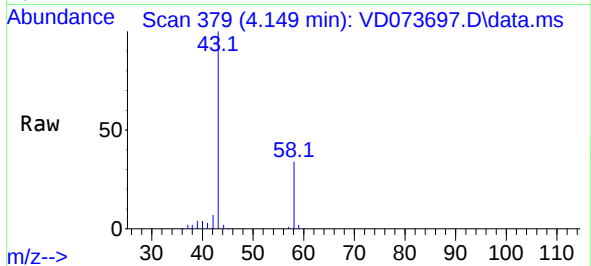




#16
Acetone
Concen: 252.356 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.001 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

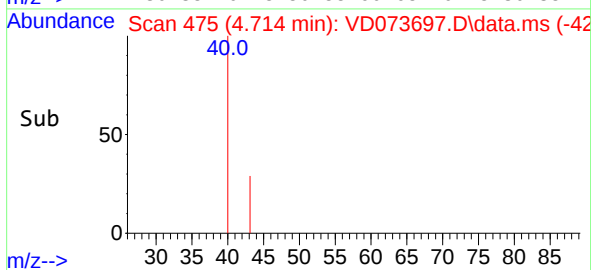
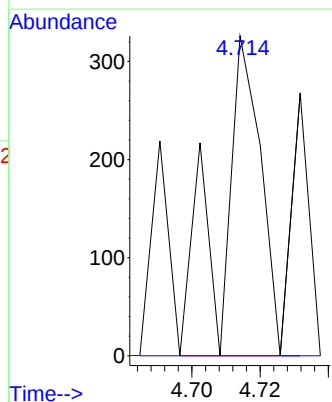
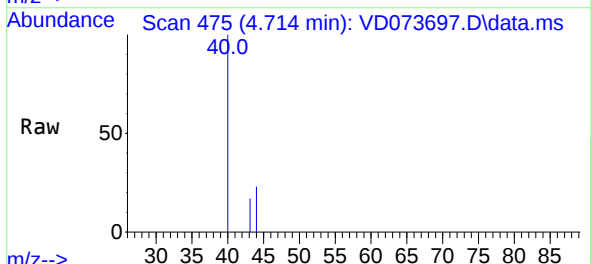
Instrument :
MSVOA_D
ClientSampleId :
D-42-UC

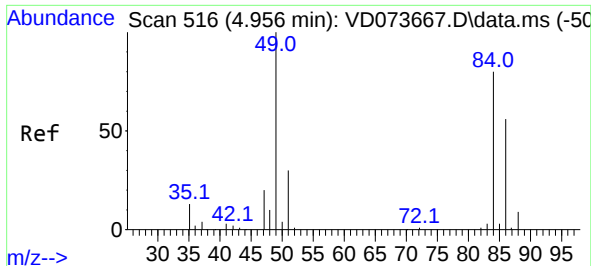
Tgt Ion: 43 Resp: 126066
Ion Ratio Lower Upper
43 100
58 34.1 25.2 37.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



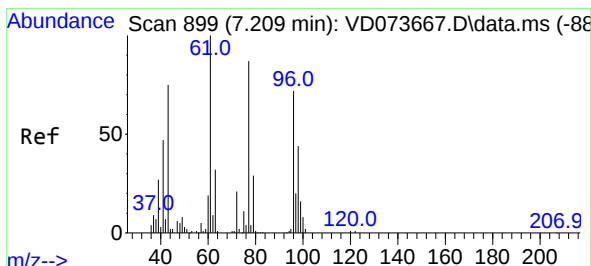
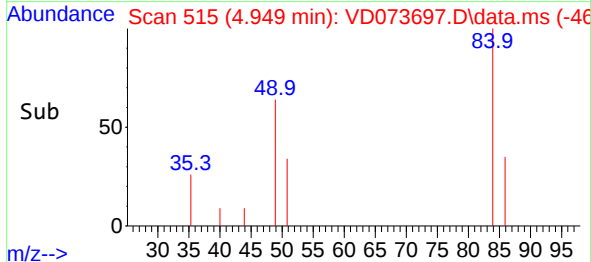
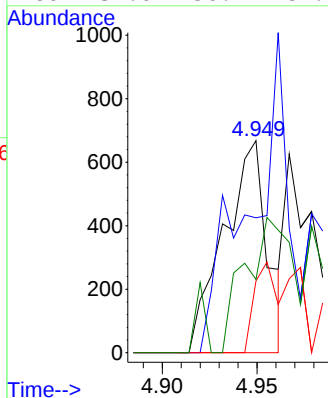
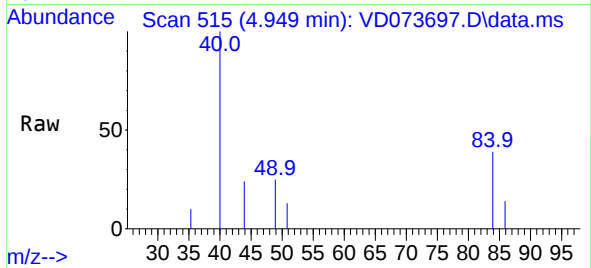


#20
Methylene Chloride
Concen: Below Cal
RT: 4.949 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Instrument :
MSVOA_D
ClientSampleId :
D-42-UC

Tgt Ion: 84 Resp: 1062

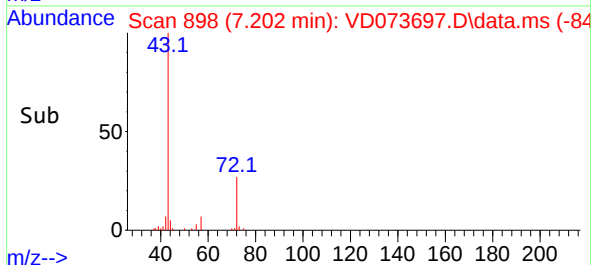
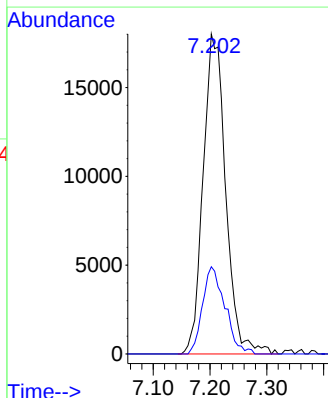
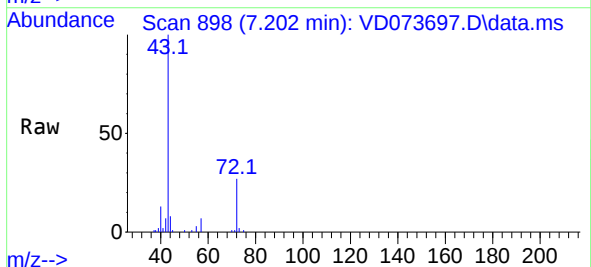
Ion	Ratio	Lower	Upper
84	100		
49	63.6	100.6	150.8#
51	33.8	29.8	44.6
86	34.6	56.1	84.1#

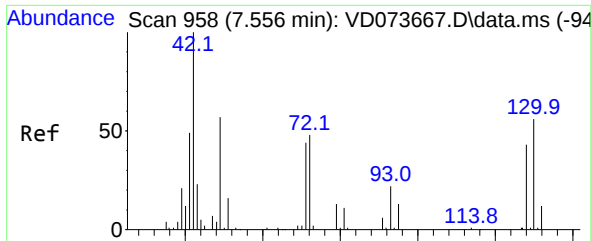


#25
2-Butanone
Concen: 63.472 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 43 Resp: 49676

Ion	Ratio	Lower	Upper
43	100		
72	27.2	22.6	33.8

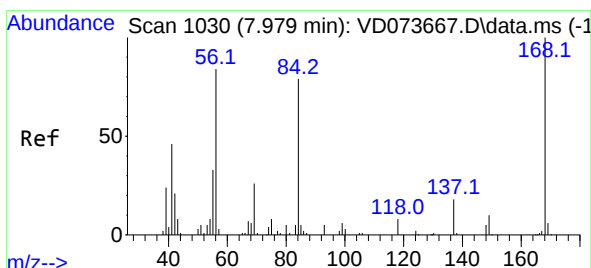
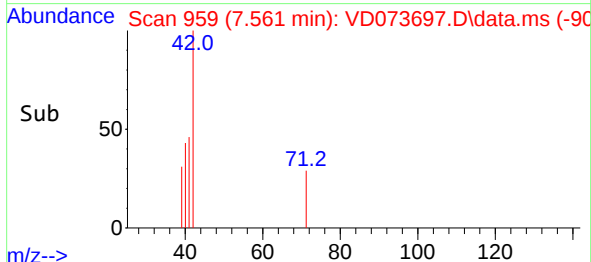
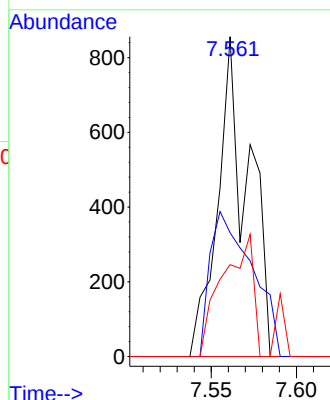
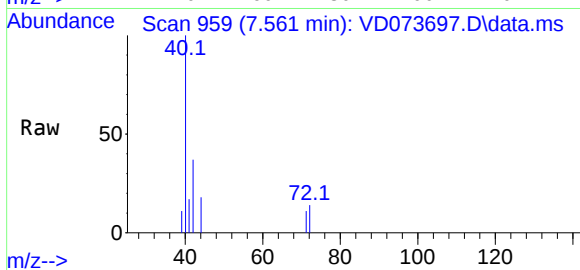




#29
Tetrahydrofuran
Concen: 2.251 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.005 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

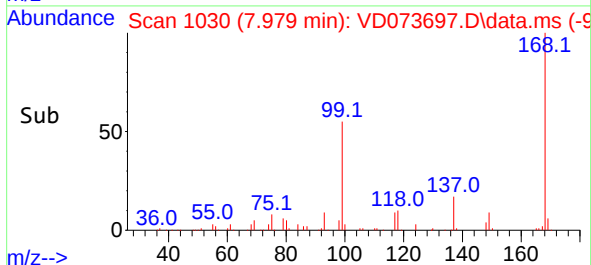
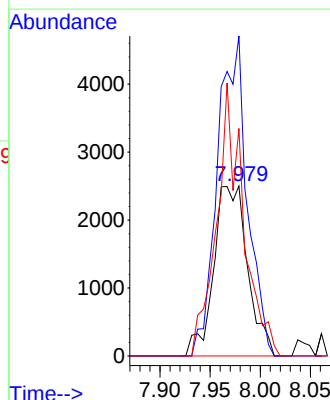
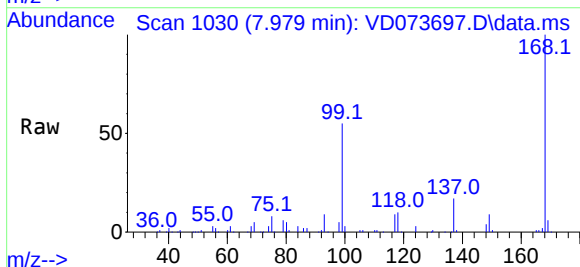
Instrument :
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ClientSampleId :
D-42-UC

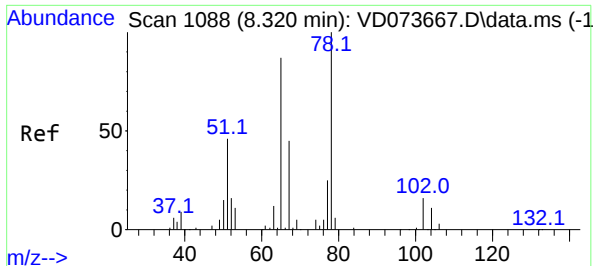
Tgt Ion: 42 Resp: 1071
Ion Ratio Lower Upper
42 100
72 62.5 37.8 56.6#
71 38.5 35.5 53.3



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 56 Resp: 5890
Ion Ratio Lower Upper
56 100
69 188.4 25.2 37.8#
84 134.0 75.4 113.2#

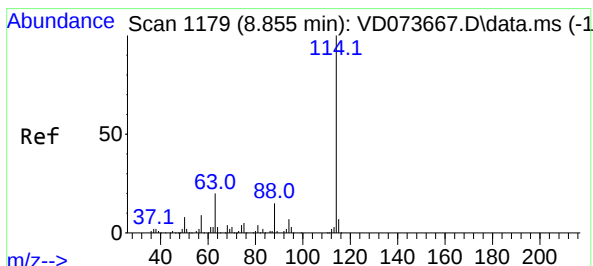
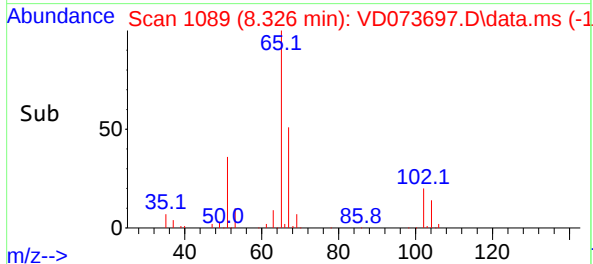
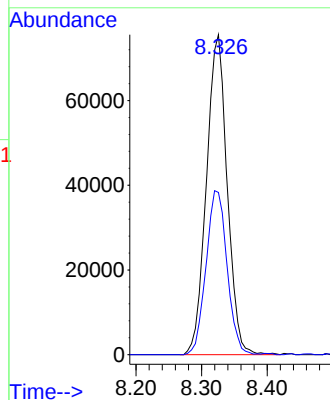
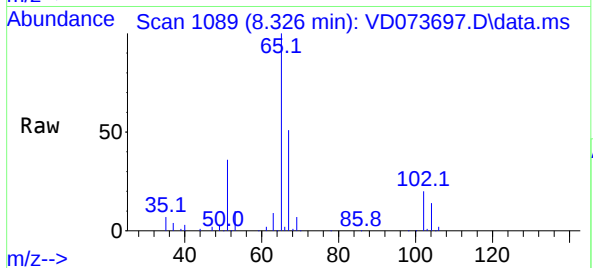




#33
1,2-Dichloroethane-d4
Concen: 53.562 ug/l
RT: 8.326 min Scan# 1088
Delta R.T. 0.005 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

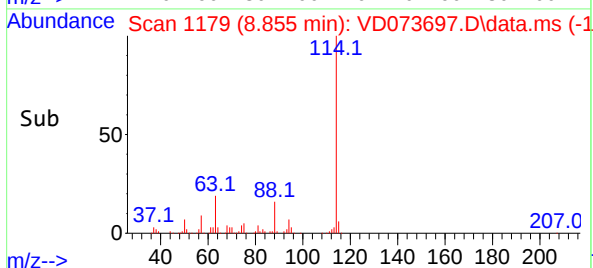
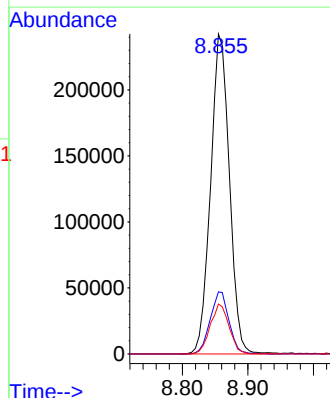
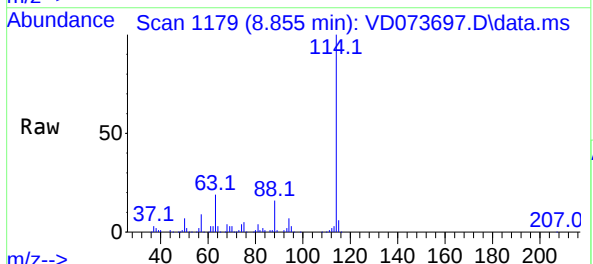
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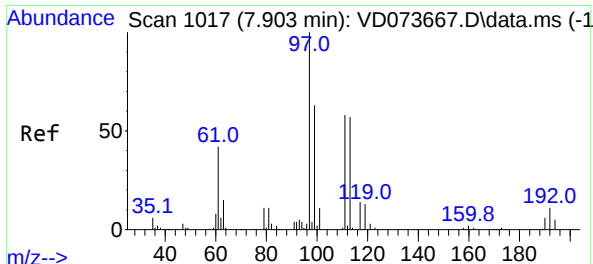
Tgt Ion: 65 Resp: 166344
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion:114 Resp: 482969
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.2
88 15.6 0.0 29.4

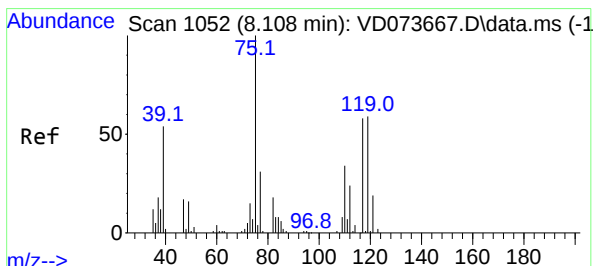
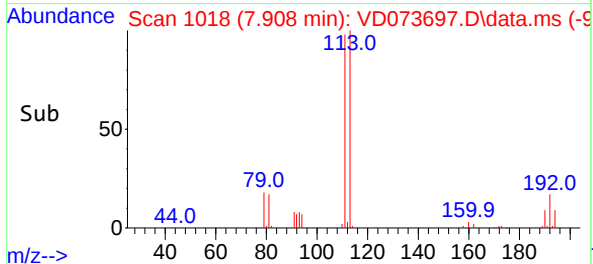
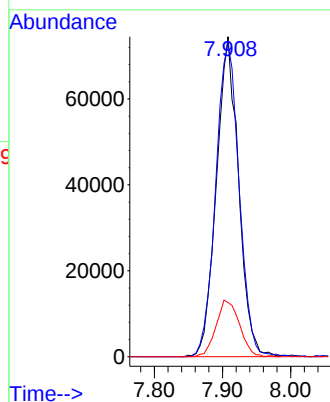
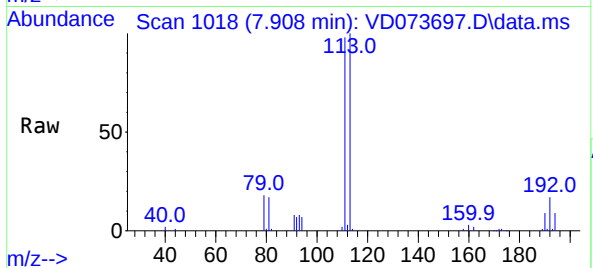




#35
Dibromofluoromethane
Concen: 44.816 ug/l
RT: 7.908 min Scan# 1017
Delta R.T. 0.005 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

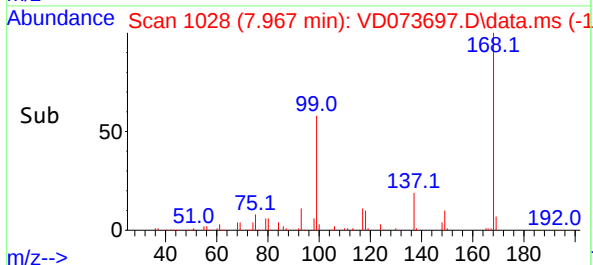
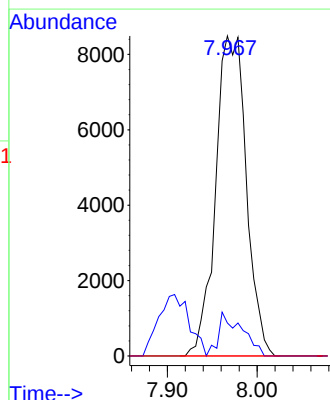
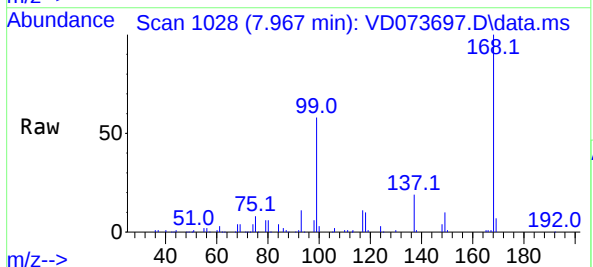
Instrument :
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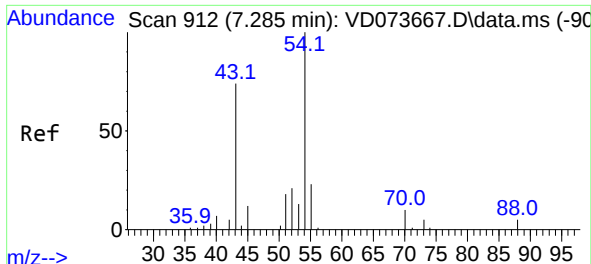
Tgt Ion:113 Resp: 168612
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 18.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.812 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.142 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 75 Resp: 20131
Ion Ratio Lower Upper
75 100
110 10.4 18.0 54.0#
77 0.0 25.6 38.4#





#37

Ethyl Acetate

Concen: 23.965 ug/l

RT: 7.202 min Scan# 898

Delta R.T. -0.083 min

Lab File: VD073697.D

Acq: 24 Jun 2022 19:53

Instrument :

MSVOA_D

ClientSampleId :

D-42-UC

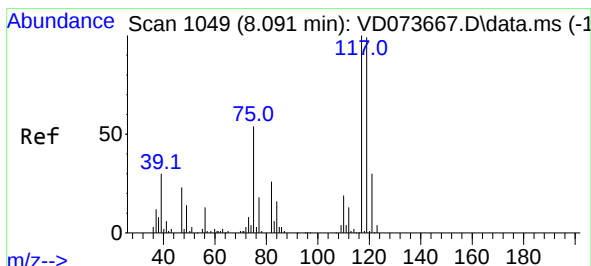
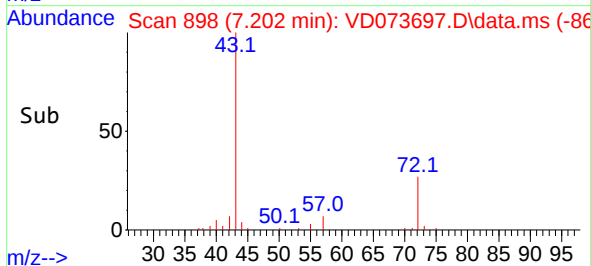
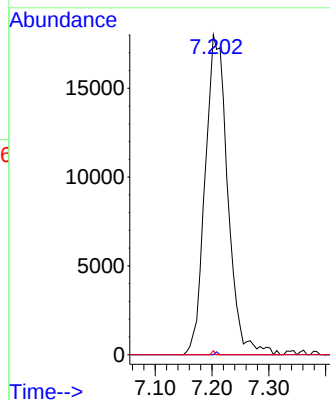
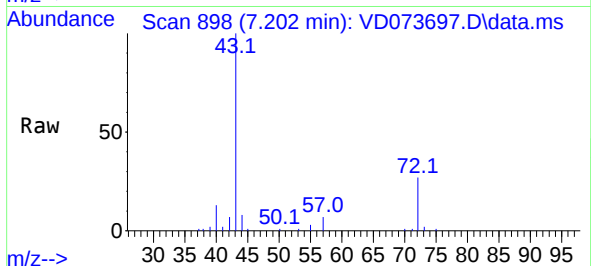
Tgt Ion: 43 Resp: 49676

Ion Ratio Lower Upper

43 100

61 0.1 10.6 16.0#

70 0.2 9.9 14.9#



#38

Carbon Tetrachloride

Concen: 4.266 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073697.D

Acq: 24 Jun 2022 19:53

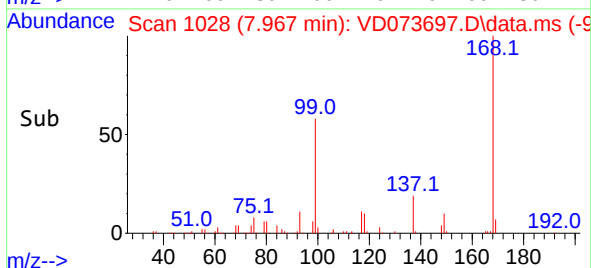
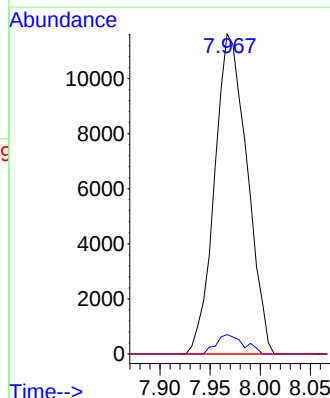
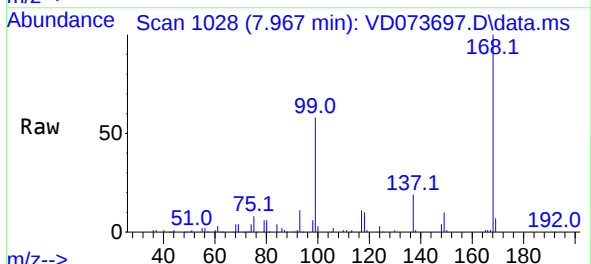
Tgt Ion: 117 Resp: 26232

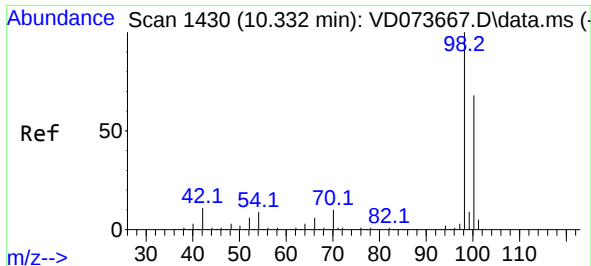
Ion Ratio Lower Upper

117 100

119 6.0 79.2 118.8#

121 0.0 23.8 35.8#

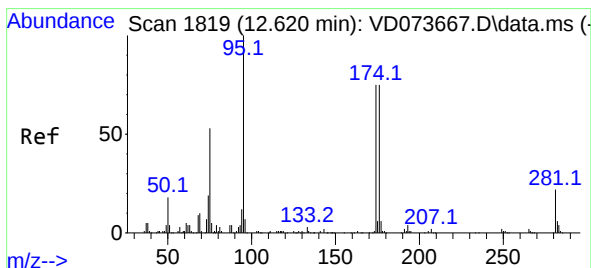
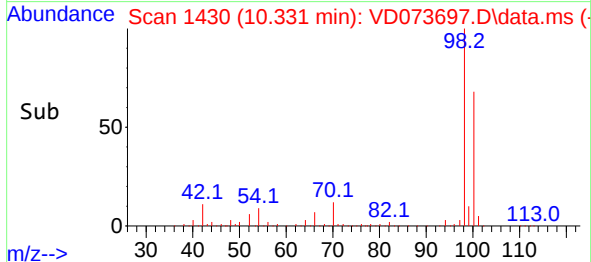
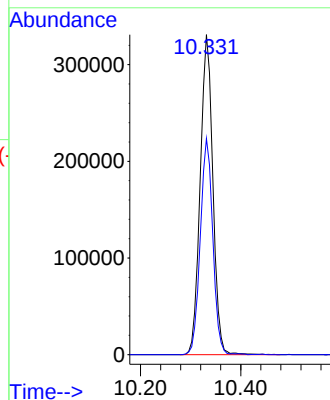
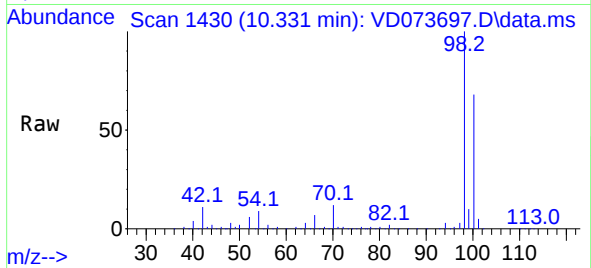




#50
Toluene-d8
Concen: 42.887 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

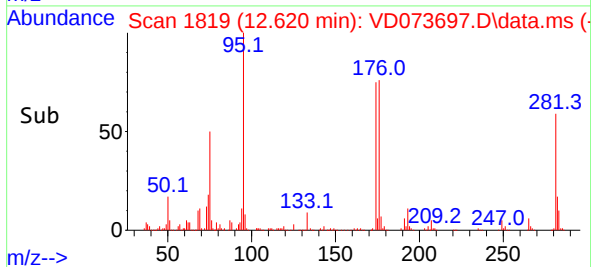
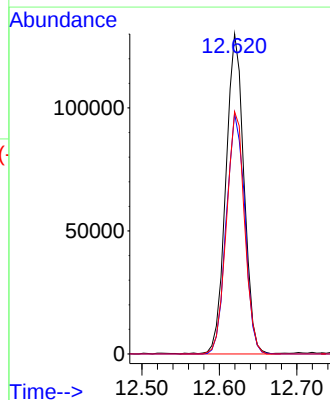
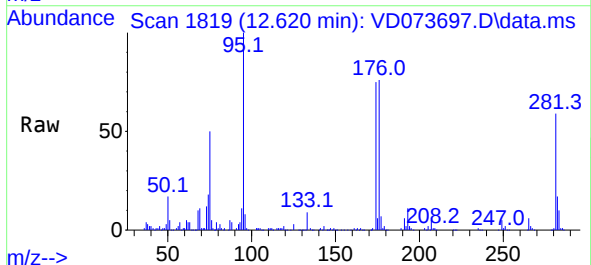
Instrument :
MSVOA_D
ClientSampleId :
D-42-UC

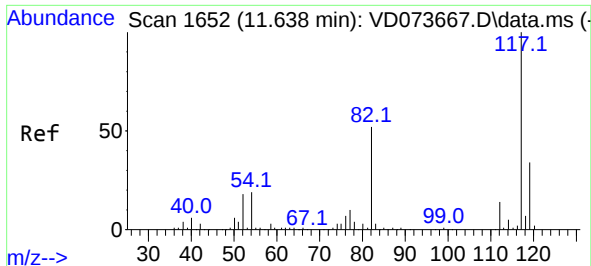
Tgt Ion: 98 Resp: 579346
Ion Ratio Lower Upper
98 100
100 66.9 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 41.699 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 95 Resp: 211274
Ion Ratio Lower Upper
95 100
174 76.4 0.0 158.4
176 75.8 0.0 154.8

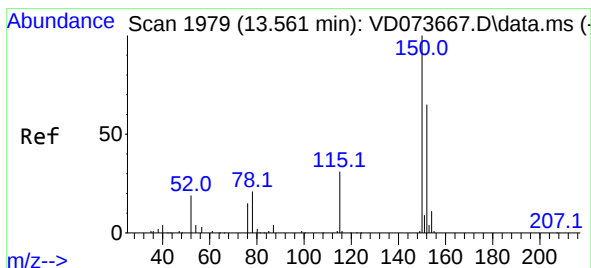
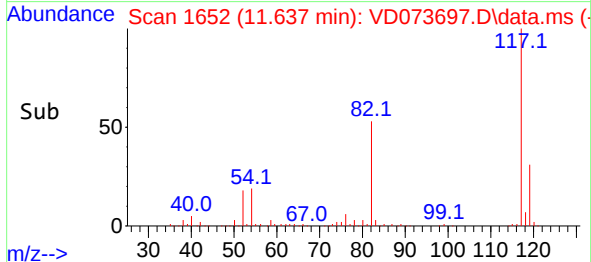
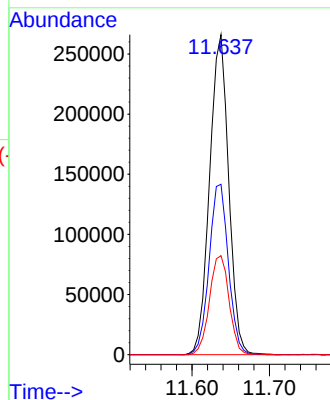
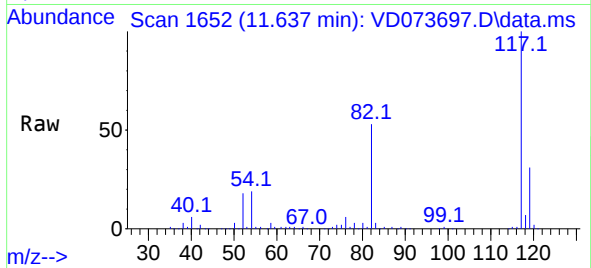




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

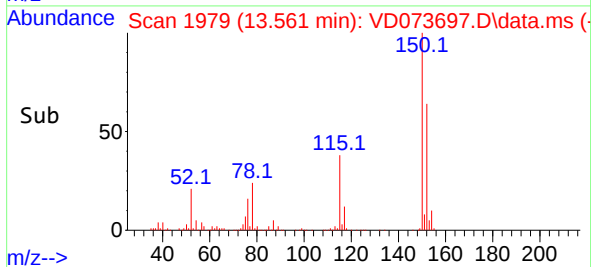
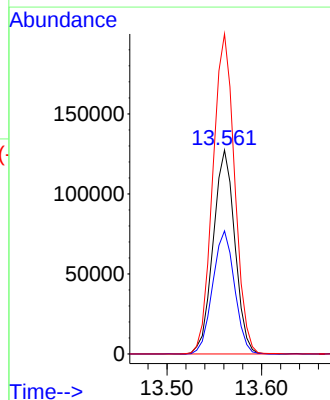
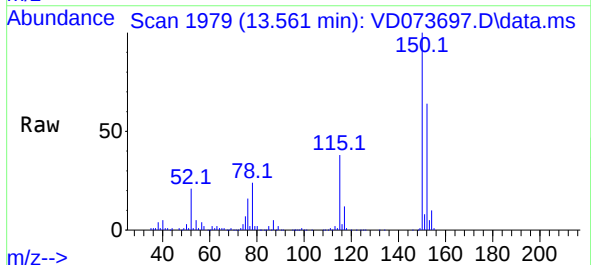
Instrument :
MSVOA_D
ClientSampleId :
D-42-UC

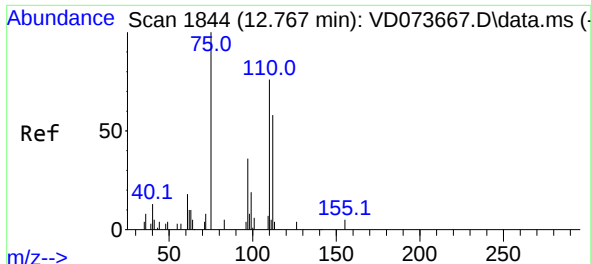
Tgt Ion:117 Resp: 454409
Ion Ratio Lower Upper
117 100
82 53.3 41.5 62.3
119 30.9 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion:152 Resp: 203020
Ion Ratio Lower Upper
152 100
115 60.9 30.6 91.6
150 158.2 0.0 355.0

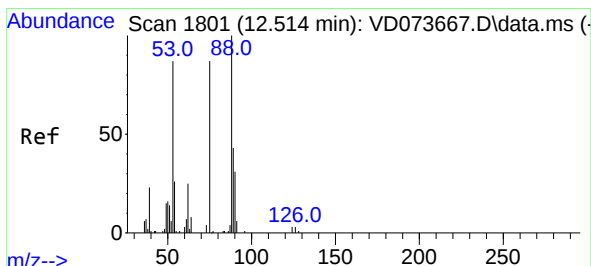
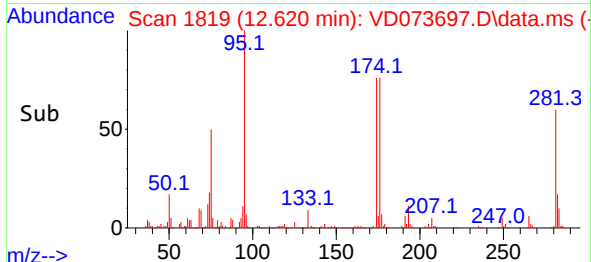
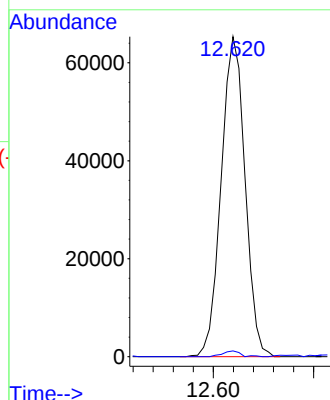
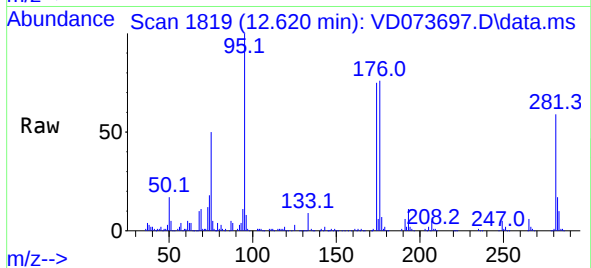




#76
1,2,3-Trichloropropane
Concen: 54.469 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Instrument :
MSVOA_D
ClientSampleId :
D-42-UC

Tgt Ion: 75 Resp: 107615
Ion Ratio Lower Upper
75 100
77 1.4 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.203 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.105 min
Lab File: VD073697.D
Acq: 24 Jun 2022 19:53

Tgt Ion: 75 Resp: 107615
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 0.5 37.8 56.8#

