

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051122\
 Data File : VD072929.D
 Acq On : 11 May 2022 14:24
 Operator : VA/SY
 Sample : N2745-01RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-31SRE

Quant Time: May 12 02:50:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

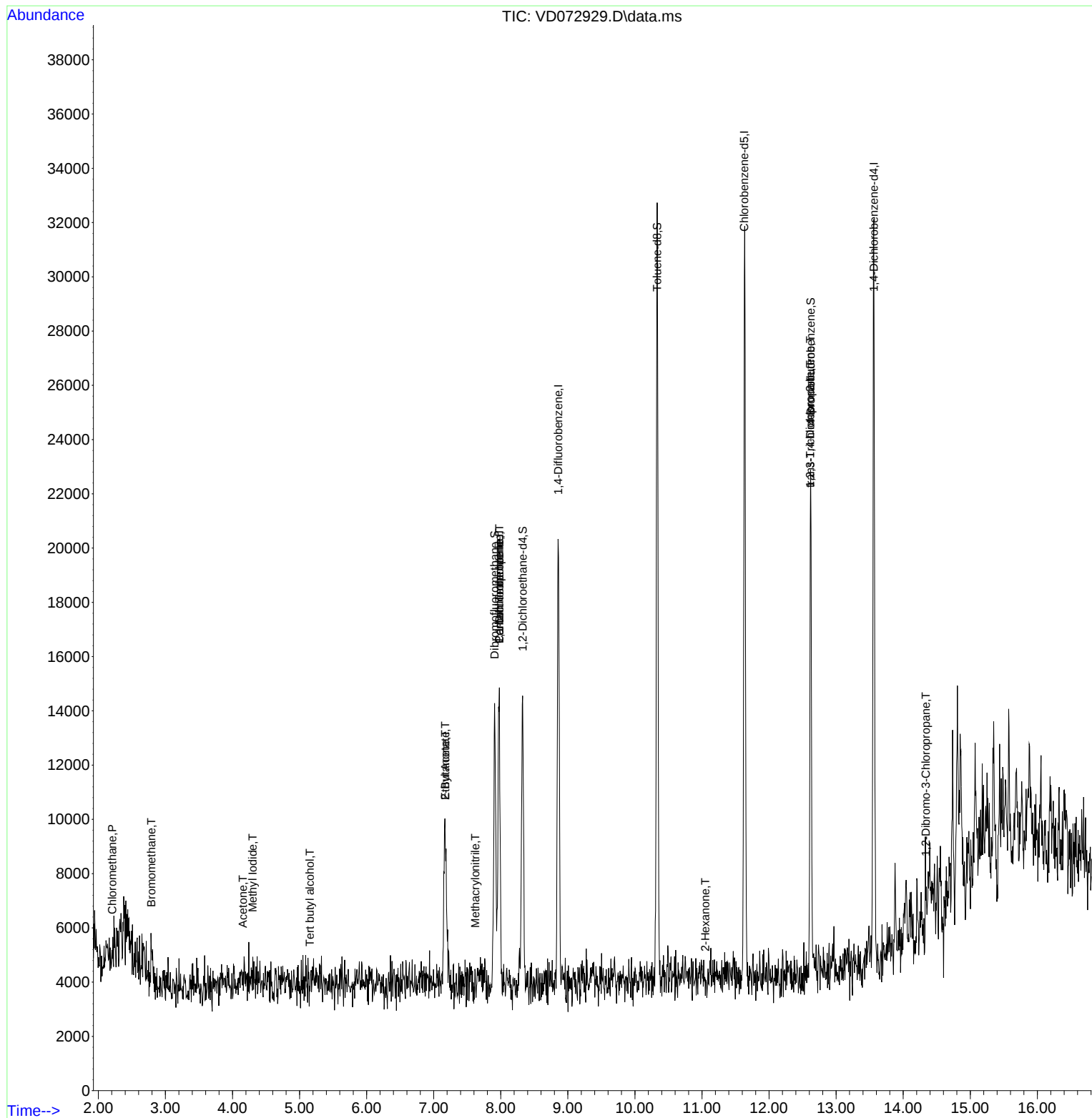
Internal Standards						
1) Pentafluorobenzene	7.979	168	8883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	15106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	16631	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8395	72.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.600%	
35) Dibromofluoromethane	7.908	113	7117	67.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.160%	
50) Toluene-d8	10.332	98	18776	49.338	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.620	95	6867	48.393	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	297	2.327	ug/l #	40
5) Bromomethane	2.791	94	559	6.593	ug/l #	59
10) Methyl Iodide	4.303	142	774	6.476	ug/l #	73
11) Tert butyl alcohol	5.156	59	190	19.045	ug/l #	74
16) Acetone	4.156	43	584	13.892	ug/l #	47
20) Methylene Chloride	4.956	84	57	Below Cal	#	67
25) 2-Butanone	7.173	43	112	3.334	ug/l #	52
36) 1,1-Dichloropropene	7.979	75	796	4.614	ug/l #	43
37) Ethyl Acetate	7.173	43	112	1.412	ug/l #	1
38) Carbon Tetrachloride	7.979	117	638	3.563	ug/l #	13
41) Methacrylonitrile	7.620	41	57	1.207	ug/l #	27
59) 2-Hexanone	11.049	43	93	1.817	ug/l #	27
76) 1,2,3-Trichloropropane	12.614	75	3330	37.664	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	3330	86.612	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.337	75	55	2.786	ug/l #	6

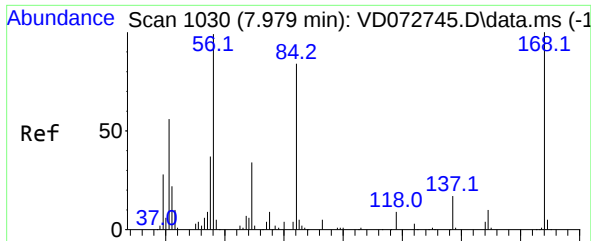
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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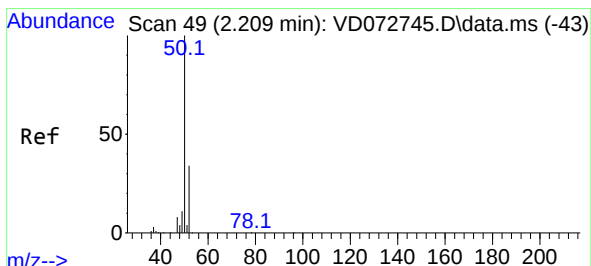
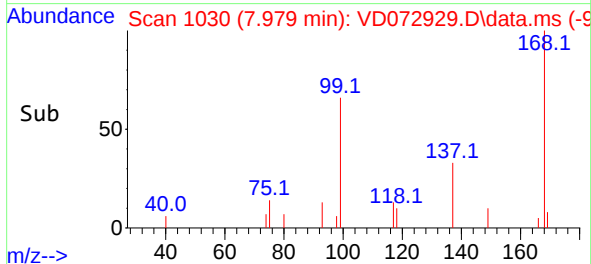
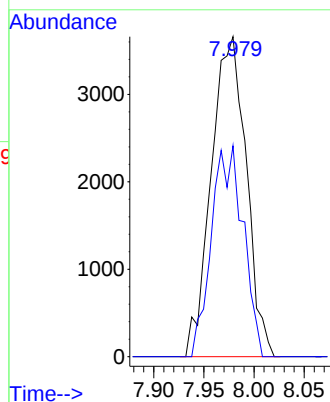
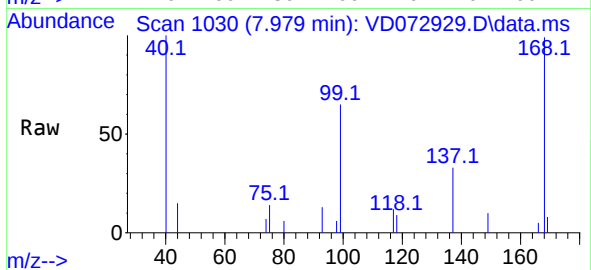




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

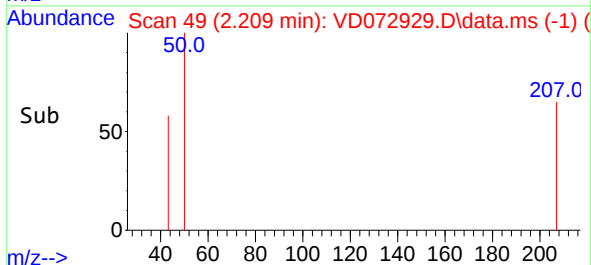
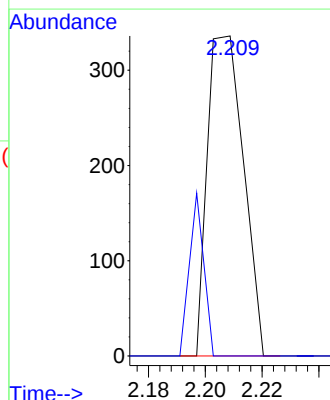
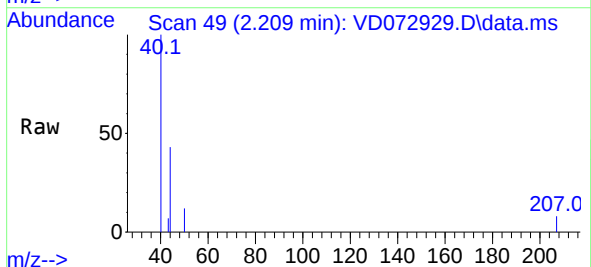
Instrument :
MSVOA_D
ClientSampleId :
MH-31SRE

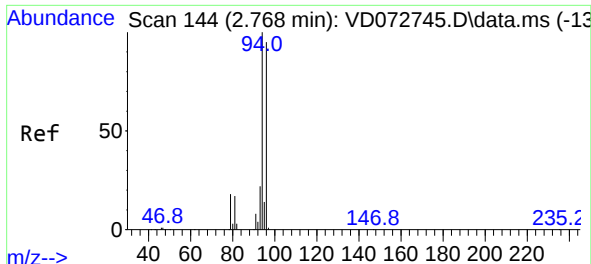
Tgt Ion:168 Resp: 8883
Ion Ratio Lower Upper
168 100
99 65.9 49.8 74.6



#3
Chloromethane
Concen: 2.327 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 50 Resp: 297
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

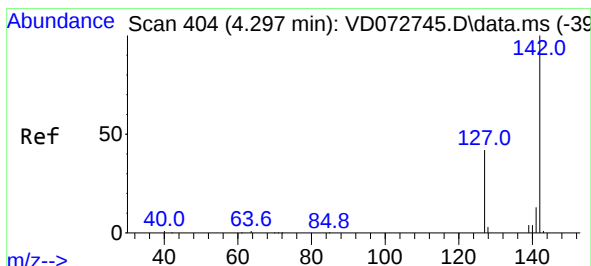
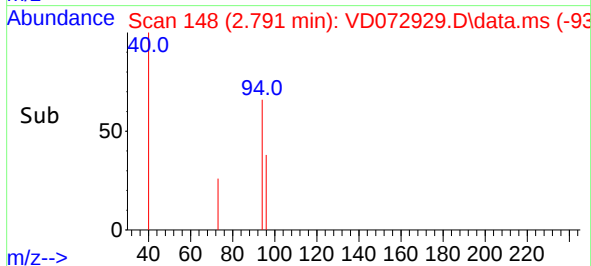
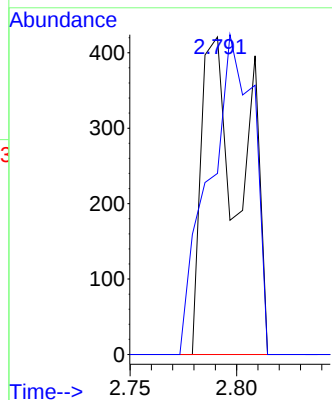
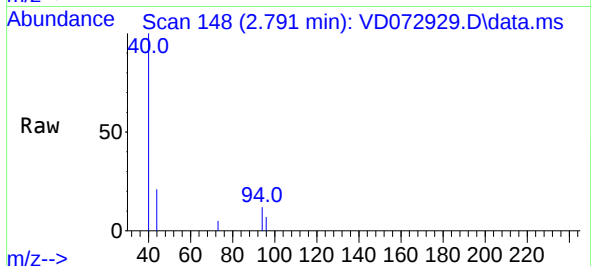




#5
Bromomethane
Concen: 6.593 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.023 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

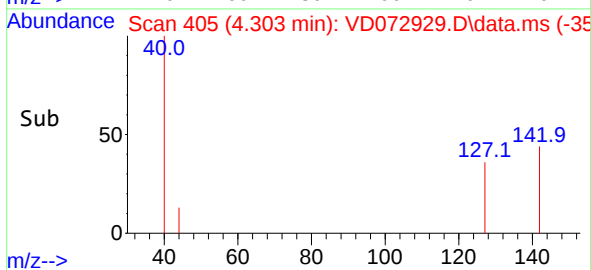
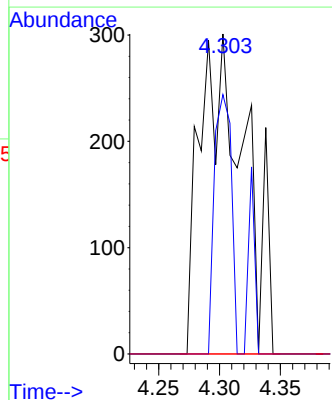
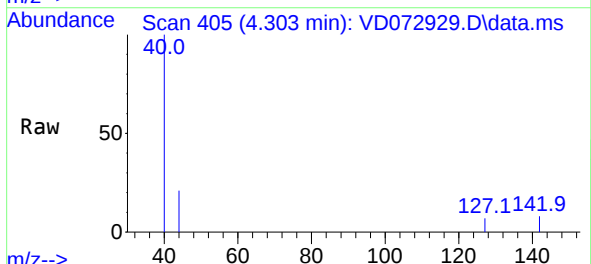
Instrument :
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ClientSampleId :
MH-31SRE

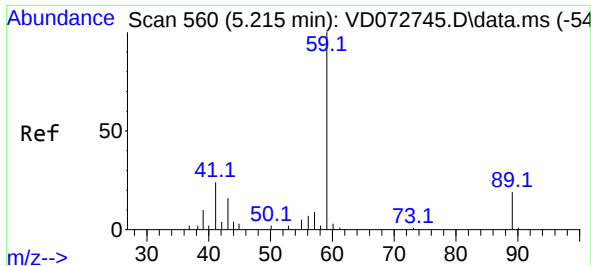
Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 57.0 77.6 116.4#



#10
Methyl Iodide
Concen: 6.476 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 142 Resp: 774
Ion Ratio Lower Upper
142 100
127 30.6 37.3 55.9#
141 0.0 11.7 17.5#

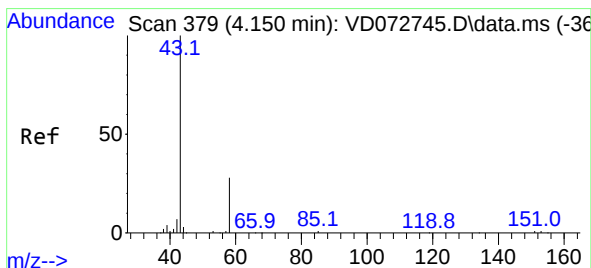
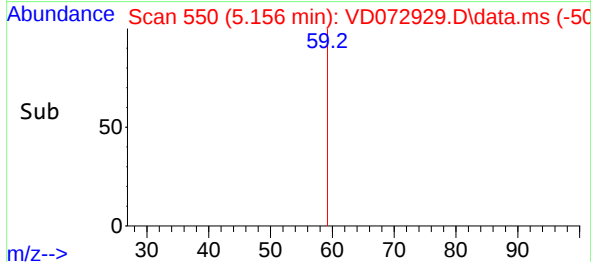
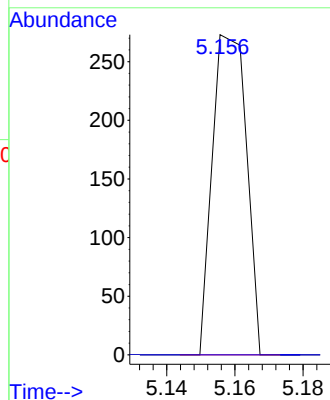
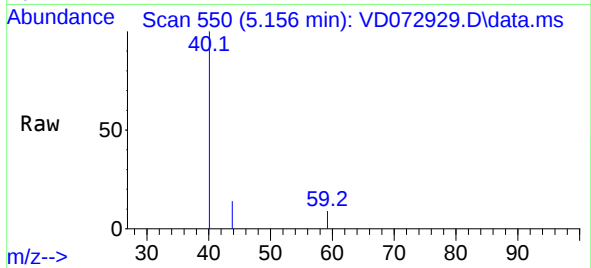




#11
Tert butyl alcohol
Concen: 19.045 ug/l
RT: 5.156 min Scan# 51
Delta R.T. -0.059 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

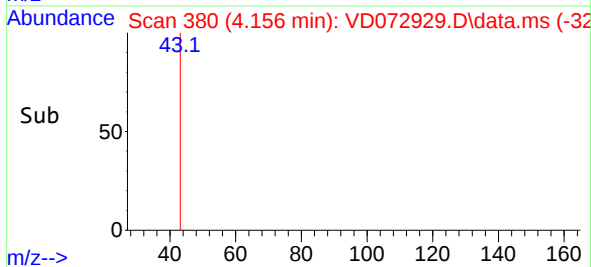
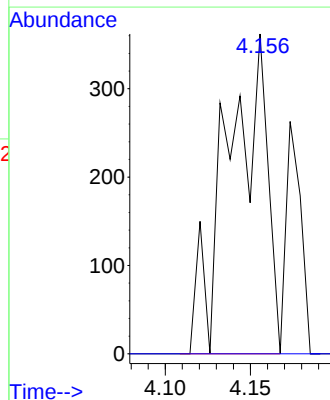
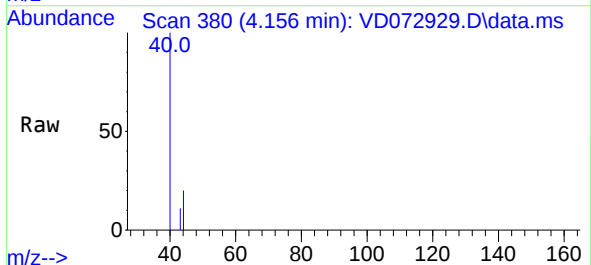
Instrument :
MSVOA_D
ClientSampleId :
MH-31SRE

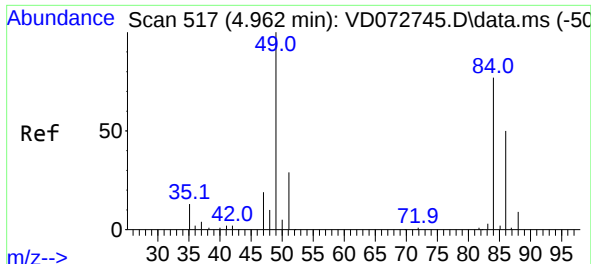
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 13.892 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



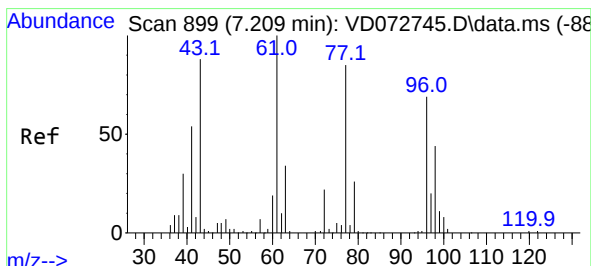
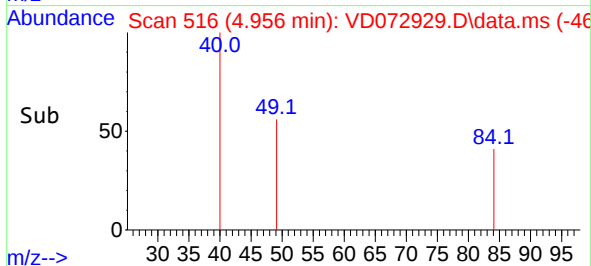
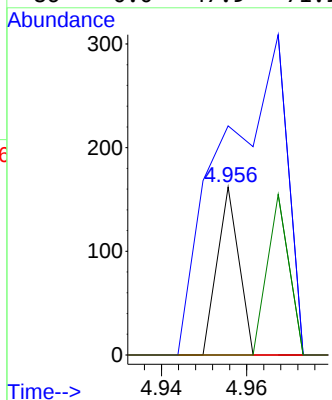
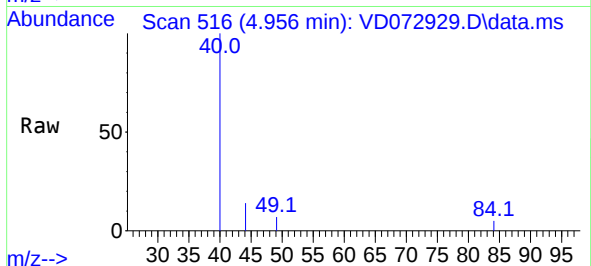


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Instrument :
MSVOA_D
ClientSampleId :
MH-31SRE

Tgt Ion: 84 Resp: 57

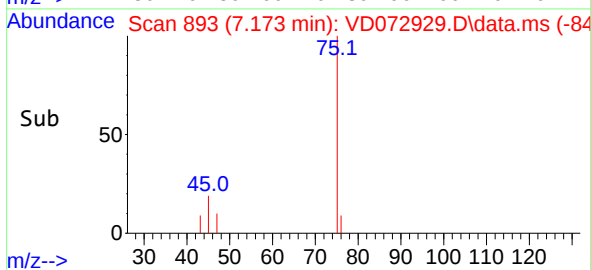
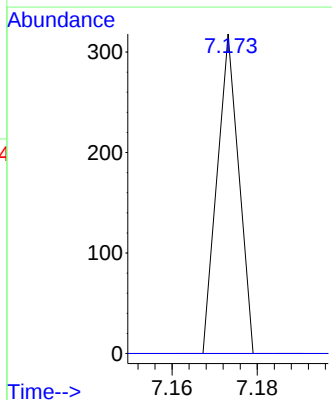
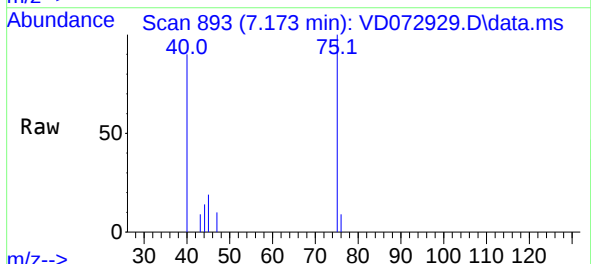
Ion	Ratio	Lower	Upper
84	100		
49	136.4	112.8	169.2
51	0.0	32.6	48.8#
86	0.0	47.9	71.9#

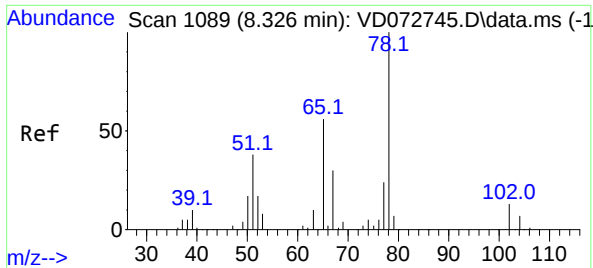


#25
2-Butanone
Concen: 3.334 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.036 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 43 Resp: 112

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

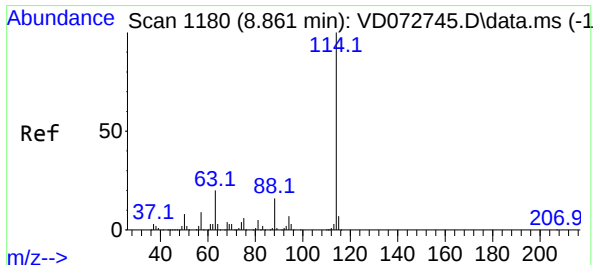
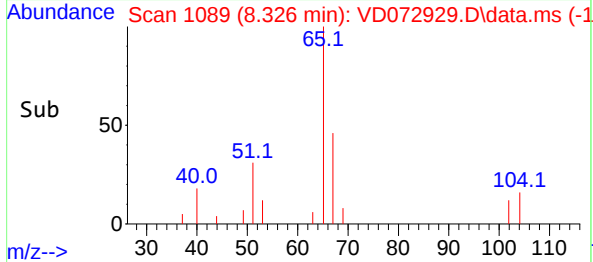
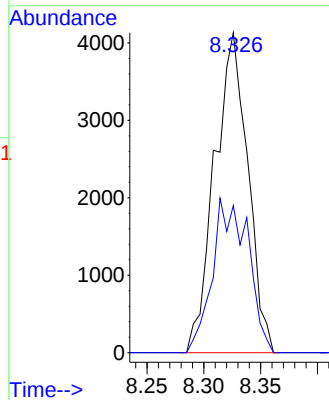
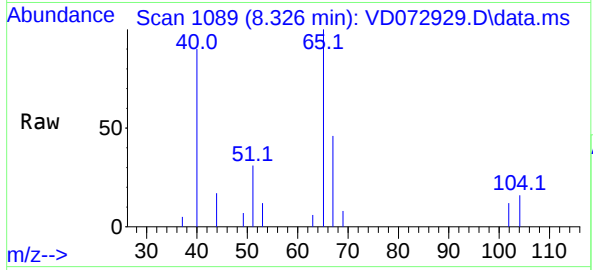




#33
1,2-Dichloroethane-d4
Concen: 72.805 ug/l
RT: 8.326 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

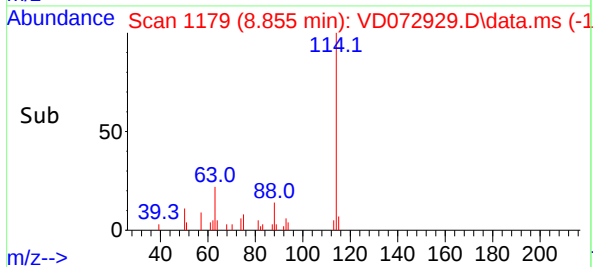
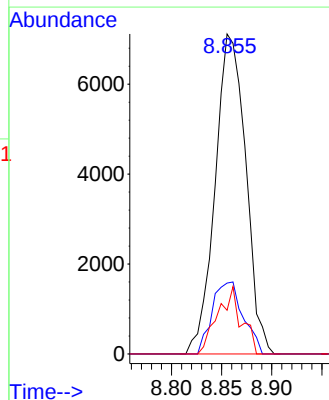
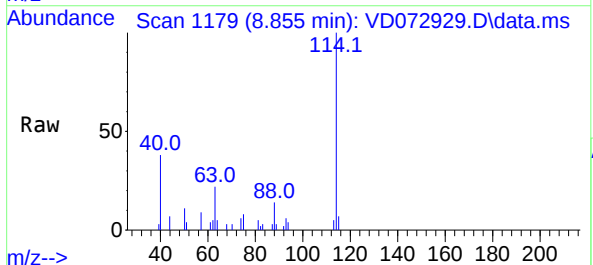
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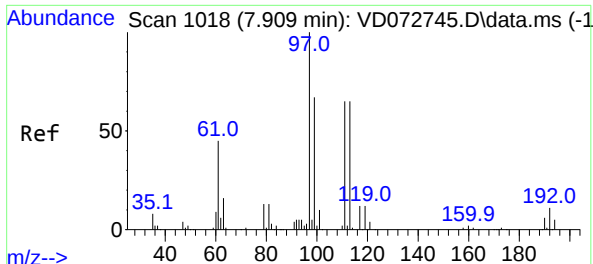
Tgt Ion: 65 Resp: 8395
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 114 Resp: 15106
Ion Ratio Lower Upper
114 100
63 22.1 0.0 46.6
88 13.7 0.0 33.2

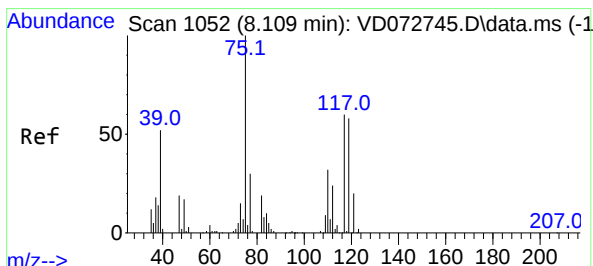
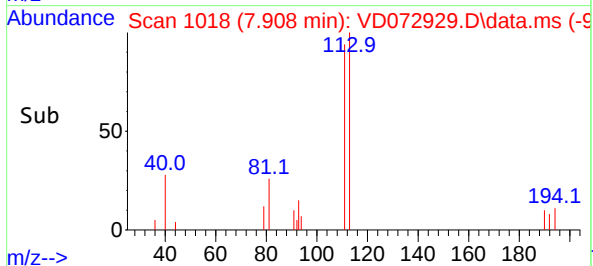
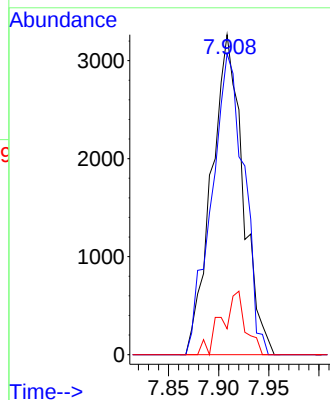
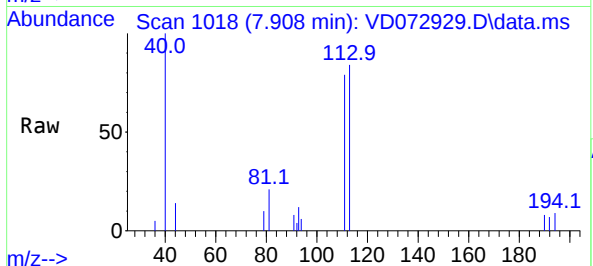




#35
Dibromofluoromethane
Concen: 67.084 ug/l
RT: 7.908 min Scan# 1030
Delta R.T. -0.001 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

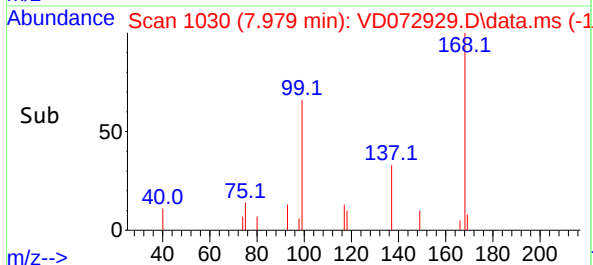
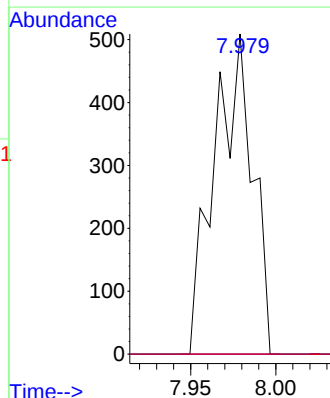
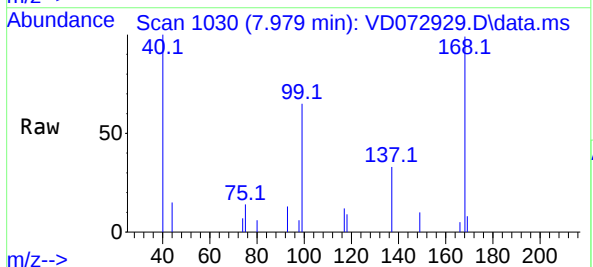
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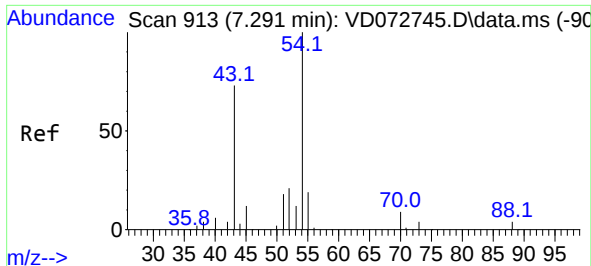
Tgt Ion:113 Resp: 7117
Ion Ratio Lower Upper
113 100
111 96.8 83.8 125.6
192 15.0 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 75 Resp: 796
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

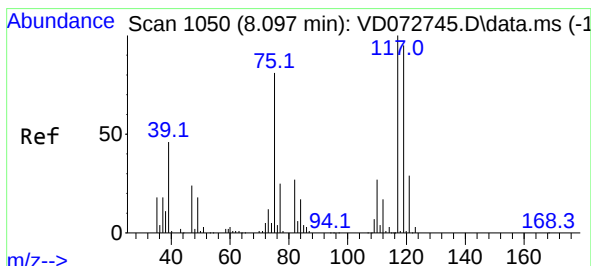
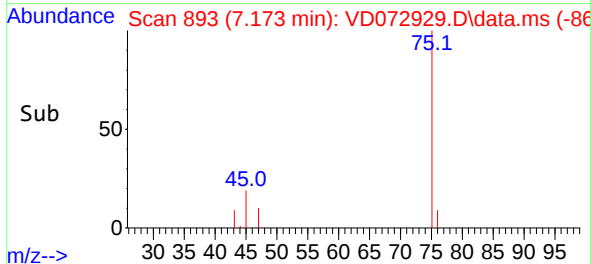
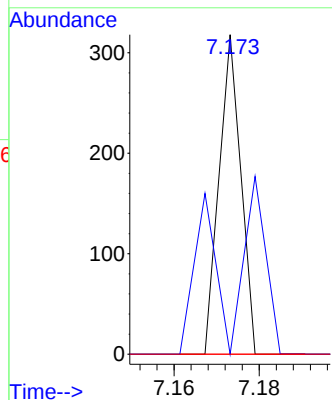
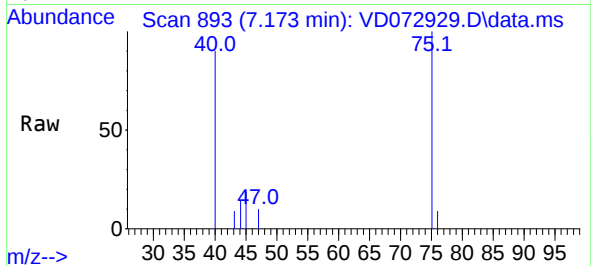




#37
Ethyl Acetate
Concen: 1.412 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.118 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

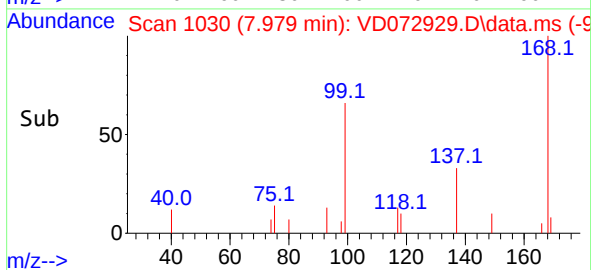
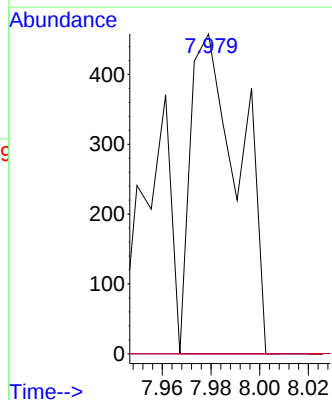
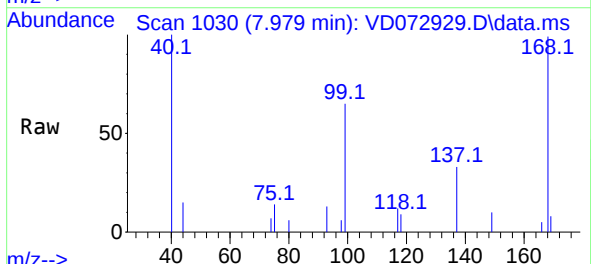
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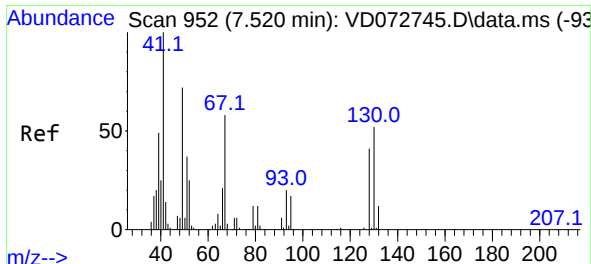
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
61 106.3 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 3.563 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 117 Resp: 638
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

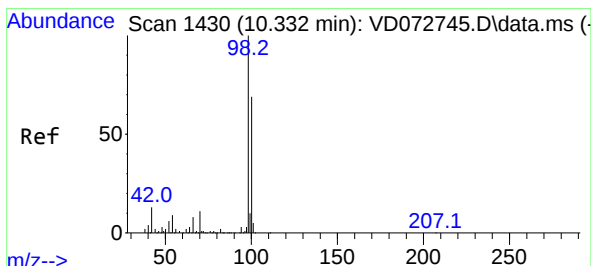
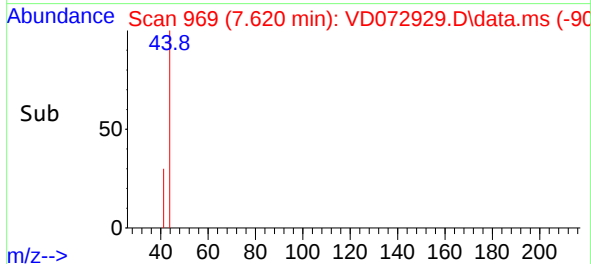
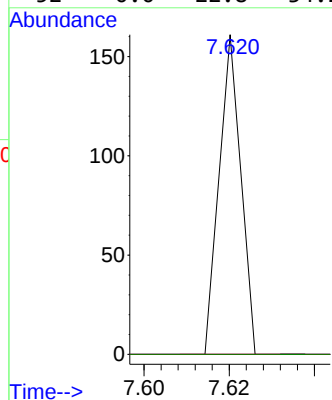
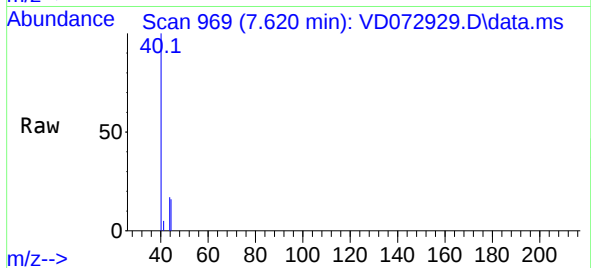




#41
Methacrylonitrile
Concen: 1.207 ug/l
RT: 7.620 min Scan# 90
Delta R.T. 0.100 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

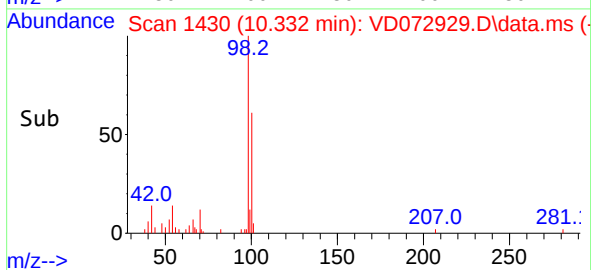
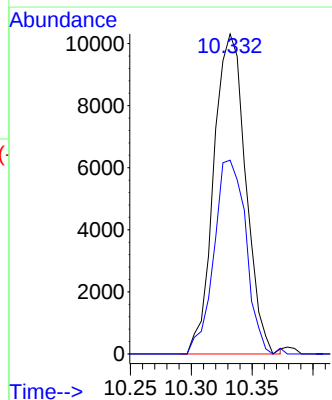
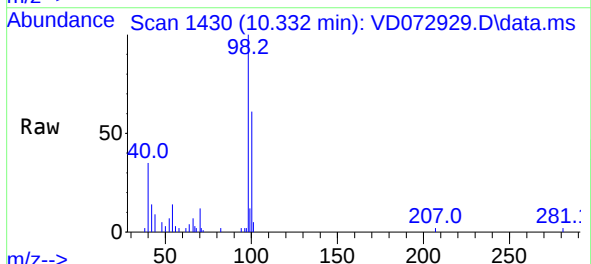
Instrument :
MSVOA_D
ClientSampleId :
MH-31SRE

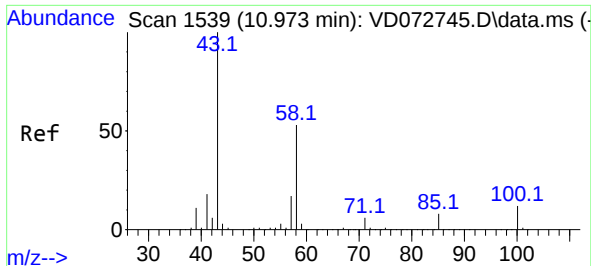
Tgt Ion: 41	Resp: 57
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 49.338 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 98	Resp: 18776
Ion Ratio	Lower Upper
98 100	
100 60.4	52.4 78.6

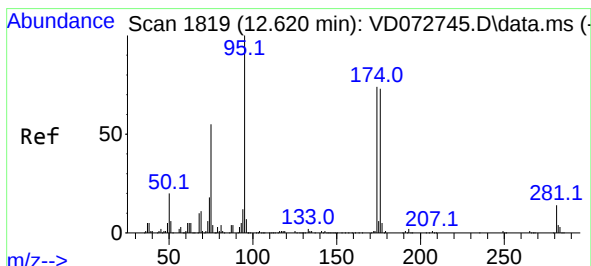
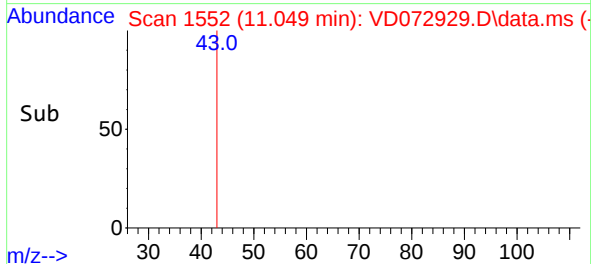
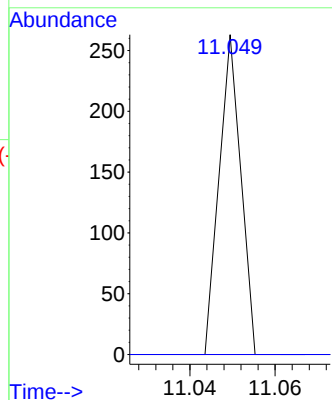
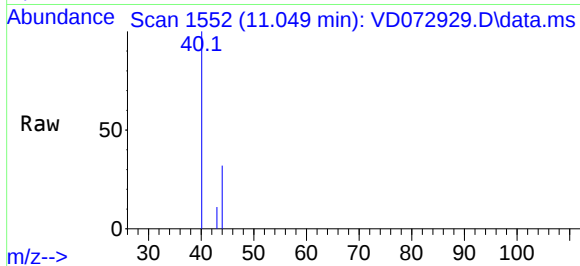




#59
2-Hexanone
Concen: 1.817 ug/l
RT: 11.049 min Scan# 11
Delta R.T. 0.076 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

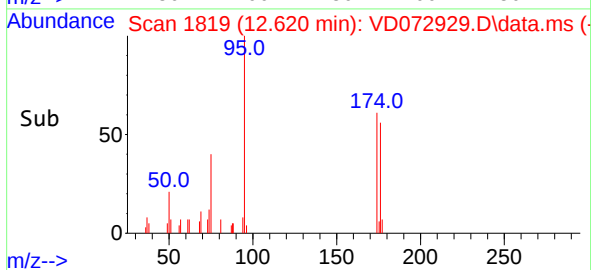
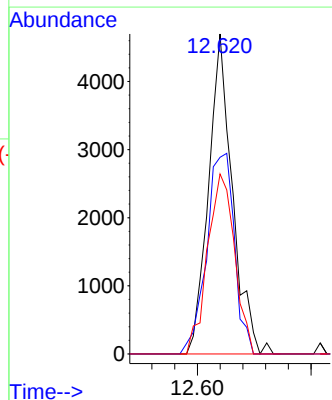
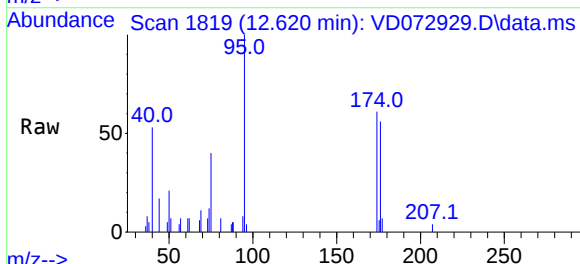
Instrument :
MSVOA_D
ClientSampleId :
MH-31SRE

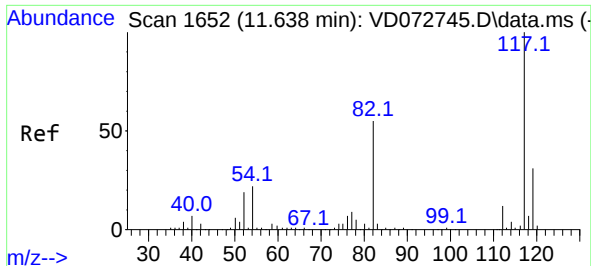
Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 48.393 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 95 Resp: 6867
Ion Ratio Lower Upper
95 100
174 72.7 0.0 152.8
176 63.7 0.0 145.4

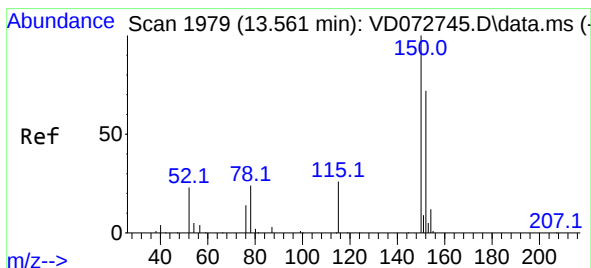
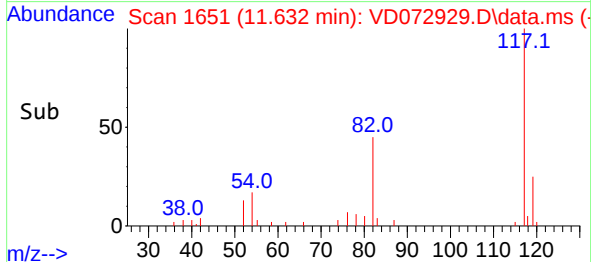
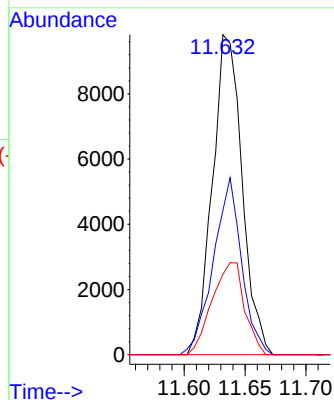
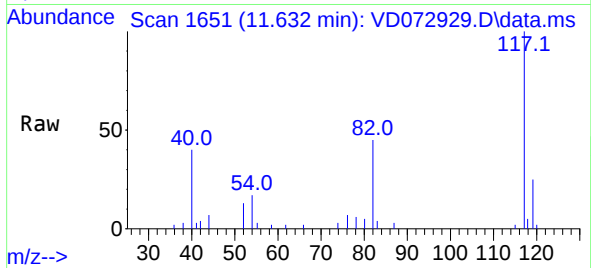




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

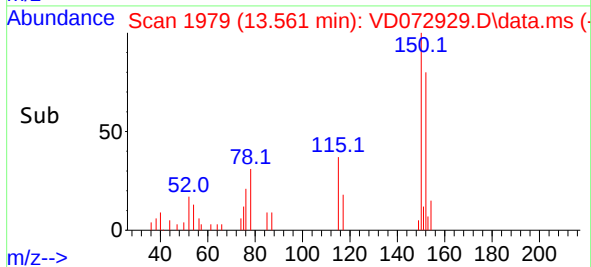
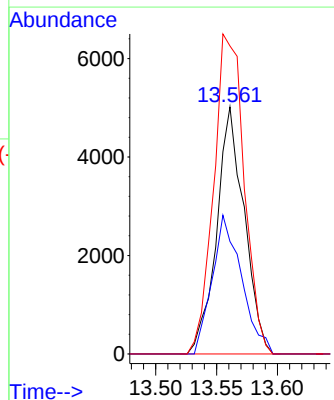
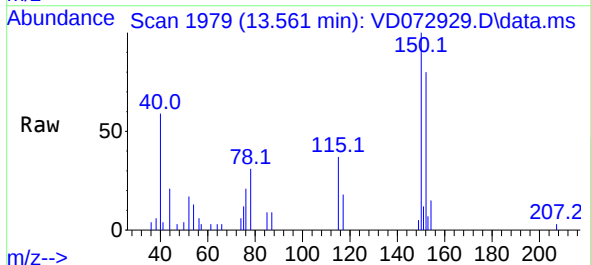
Instrument :
MSVOA_D
ClientSampleId :
MH-31SRE

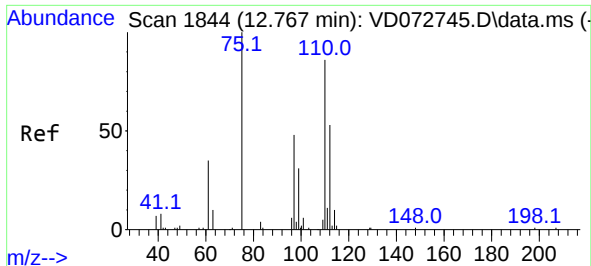
Tgt Ion:117 Resp: 16631
Ion Ratio Lower Upper
117 100
82 45.1 45.3 67.9#
119 25.2 26.6 40.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion:152 Resp: 7929
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 143.0 0.0 348.6

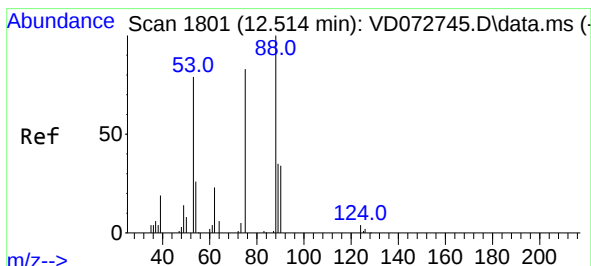
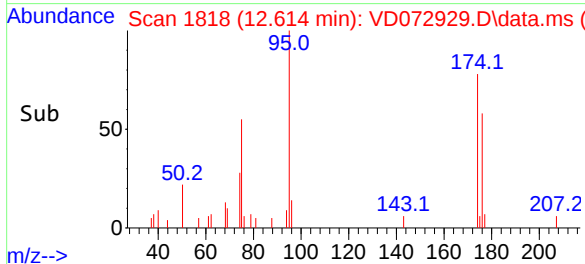
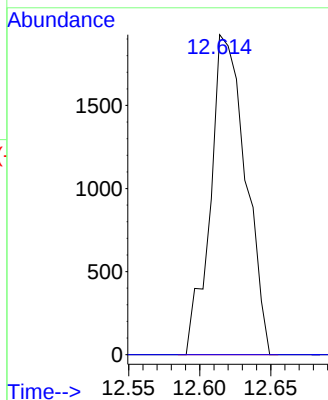
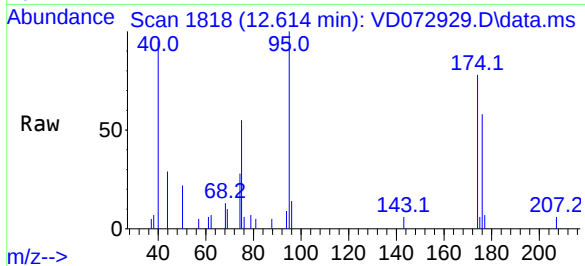




#76
1,2,3-Trichloropropane
Concen: 37.664 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

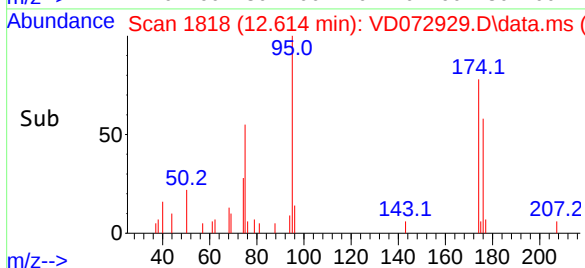
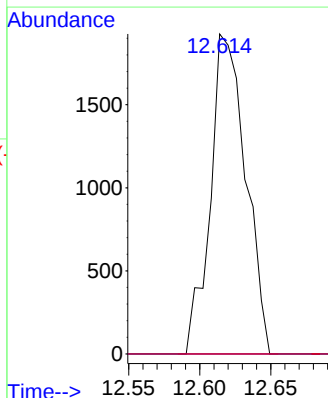
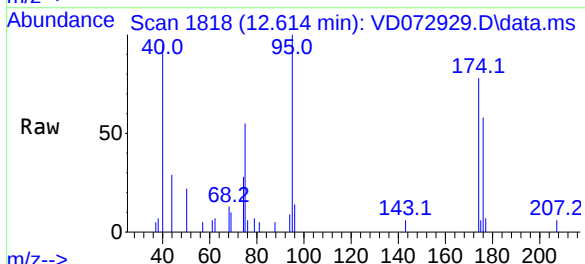
Instrument :
MSVOA_D
ClientSampleId :
MH-31SRE

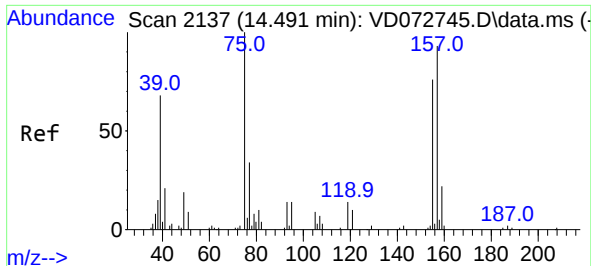
Tgt Ion: 75 Resp: 3330
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 86.612 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD072929.D
Acq: 11 May 2022 14:24

Tgt Ion: 75 Resp: 3330
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.786 ug/l
 RT: 14.337 min Scan# 21
 Delta R.T. -0.154 min
 Lab File: VD072929.D
 Acq: 11 May 2022 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-31SRE

Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.8 110.3#
 157 0.0 48.4 145.0#

