

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072897.D
 Acq On : 09 May 2022 18:19
 Operator : VA/SY
 Sample : N2680-06RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B3-6-8

Quant Time: May 10 01:36:57 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)

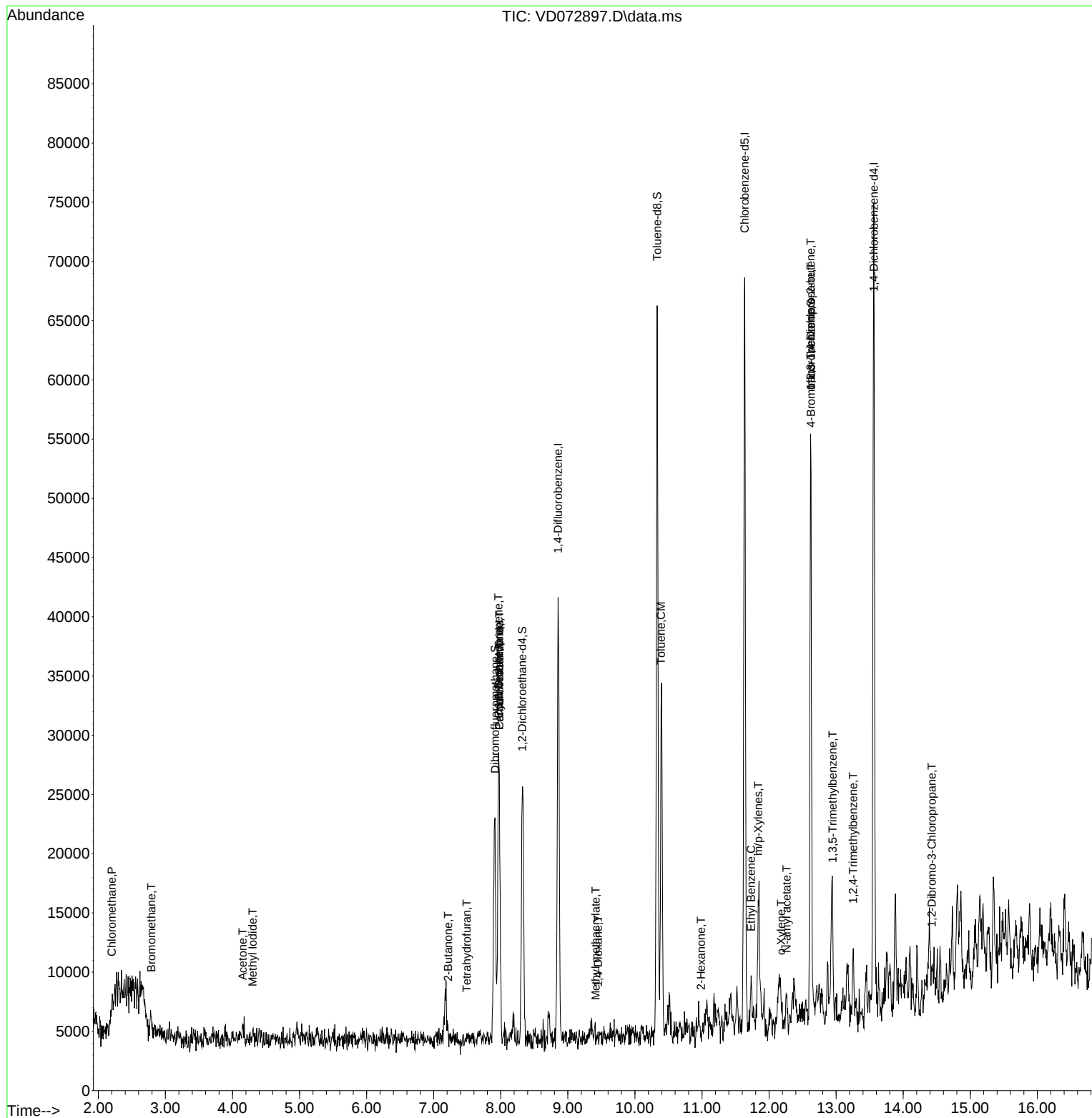
Internal Standards						
1) Pentafluorobenzene	7.979	168	17619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	28977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	35949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	16593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	16478	72.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.100%			
35) Dibromofluoromethane	7.914	113	14504	71.270	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 142.540%			
50) Toluene-d8	10.332	98	38017	52.078	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.626	95	16280	59.809	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.620%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	490	1.935	ug/l #	40
5) Bromomethane	2.791	94	1041	6.093	ug/l #	58
10) Methyl Iodide	4.303	142	356	1.502	ug/l #	67
16) Acetone	4.150	43	1131	13.215	ug/l #	47
20) Methylene Chloride	4.961	84	241	Below Cal	#	19
25) 2-Butanone	7.214	43	116	1.741	ug/l #	52
29) Tetrahydrofuran	7.491	42	101	2.378	ug/l #	38
31) Cyclohexane	7.973	56	655	1.638	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	1601	4.838	ug/l #	43
38) Carbon Tetrachloride	7.979	117	1808	5.263	ug/l #	13
48) Methyl methacrylate	9.414	41	342	2.490	ug/l #	19
49) 1,4-Dioxane	9.449	88	55	35.281	ug/l #	21
52) Toluene	10.391	92	12276	20.593	ug/l	100
59) 2-Hexanone	10.985	43	171	1.742	ug/l #	27
67) Ethyl Benzene	11.732	91	2725	1.894	ug/l #	88
68) m/p-Xylenes	11.838	106	1882	3.395	ug/l	85
69) o-Xylene	12.179	106	817	1.578	ug/l	67
74) N-amyl acetate	12.261	43	591	1.838	ug/l #	66
76) 1,2,3-Trichloropropane	12.620	75	8860	47.886	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.949	105	1198	1.094	ug/l	75
81) trans-1,4-Dichloro-2-b...	12.620	75	8860	110.118	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.255	105	3524	3.221	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.426	75	55	1.331	ug/l #	6

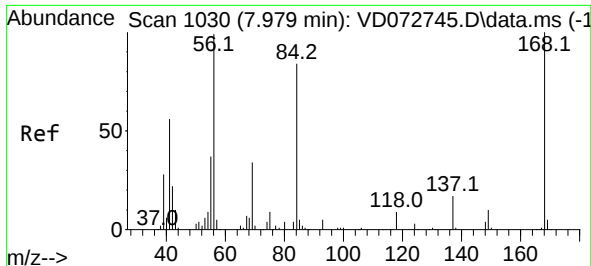
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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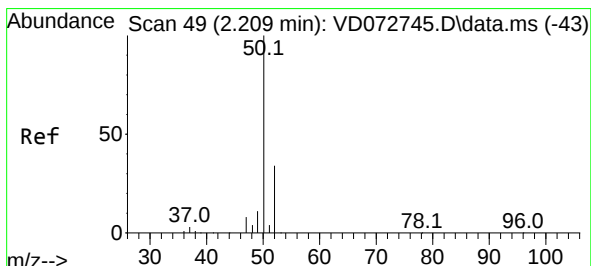
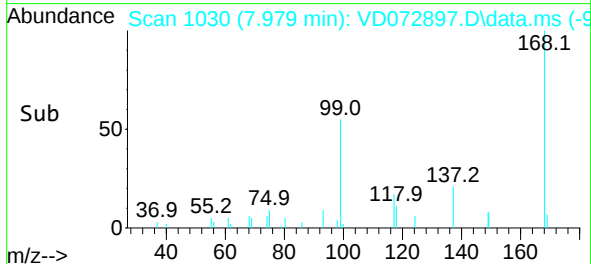
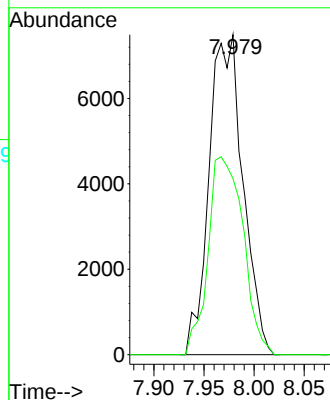
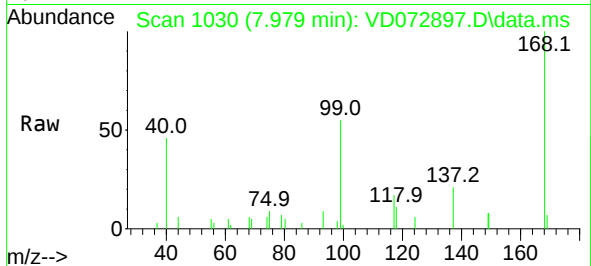




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

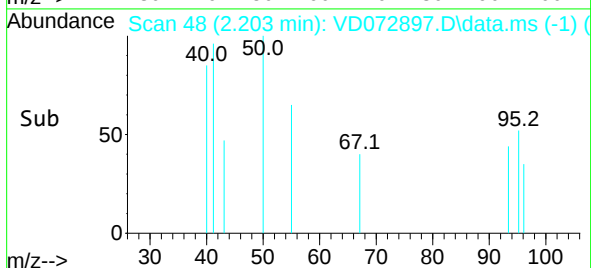
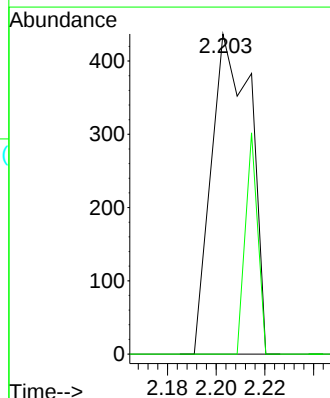
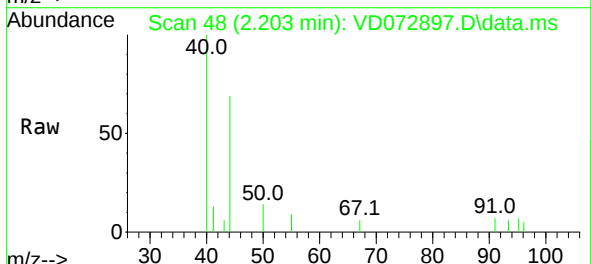
Instrument :
MSVOA_D
ClientSampleId :
B3-6-8

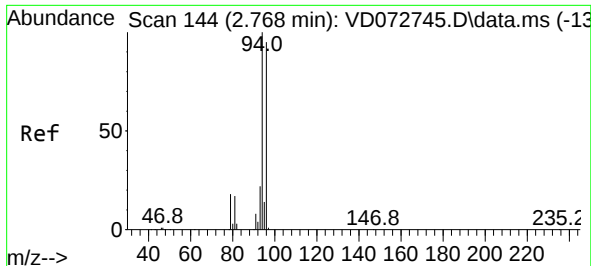
Tgt Ion:168 Resp: 17619
Ion Ratio Lower Upper
168 100
99 55.0 49.8 74.6



#3
Chloromethane
Concen: 1.935 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion: 50 Resp: 490
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

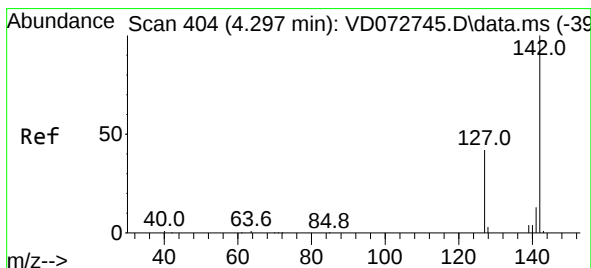
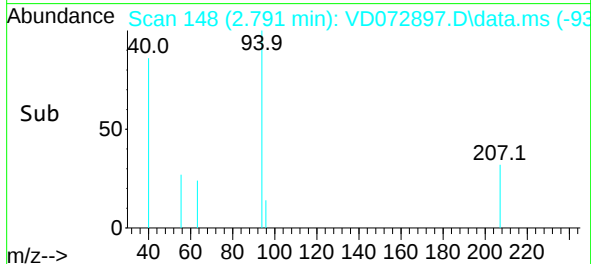
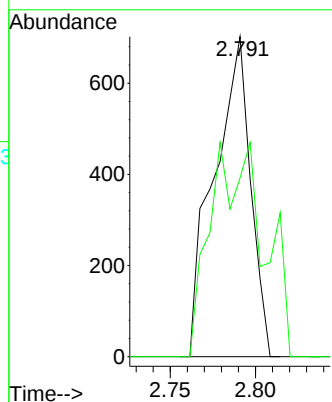
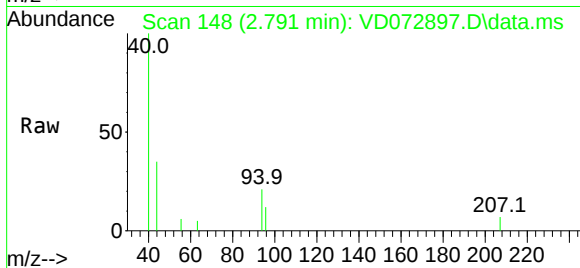




#5
Bromomethane
Concen: 6.093 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.023 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

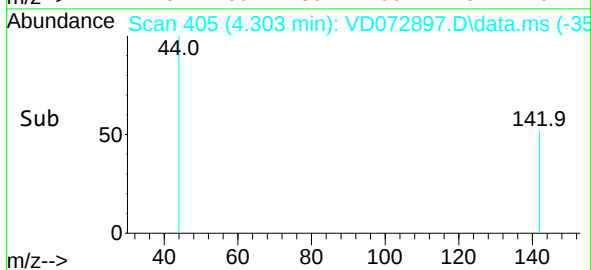
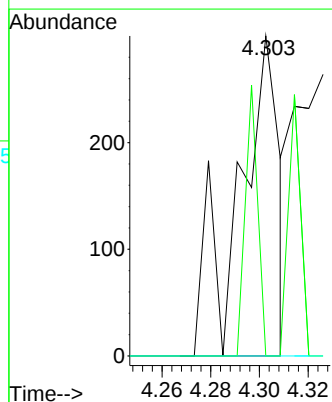
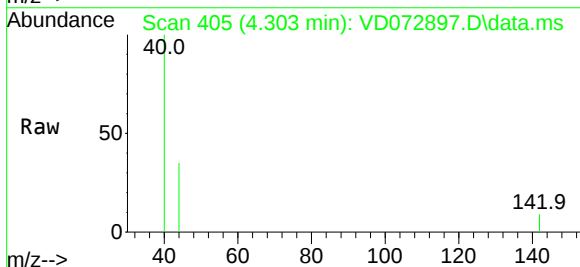
Instrument :
MSVOA_D
ClientSampleId :
B3-6-8

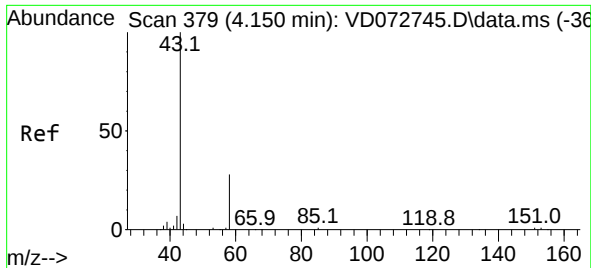
Tgt Ion: 94 Resp: 1041
Ion Ratio Lower Upper
94 100
96 55.8 77.6 116.4#



#10
Methyl Iodide
Concen: 1.502 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion:142 Resp: 356
Ion Ratio Lower Upper
142 100
127 25.3 37.3 55.9#
141 0.0 11.7 17.5#

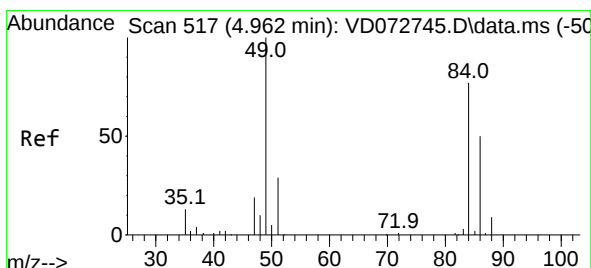
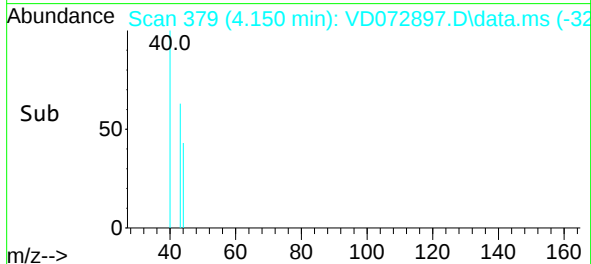
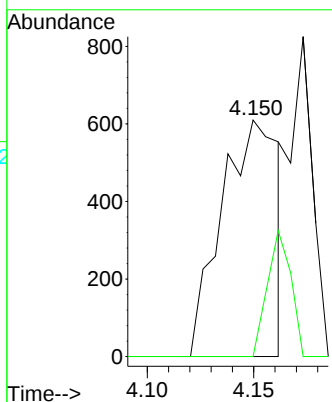
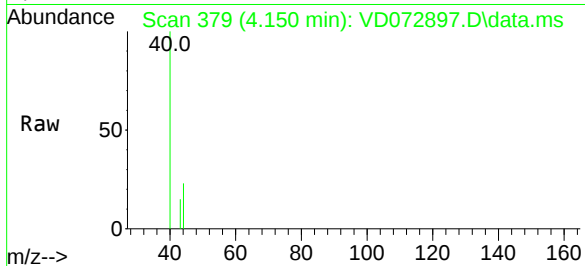




#16
Acetone
Concen: 13.215 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

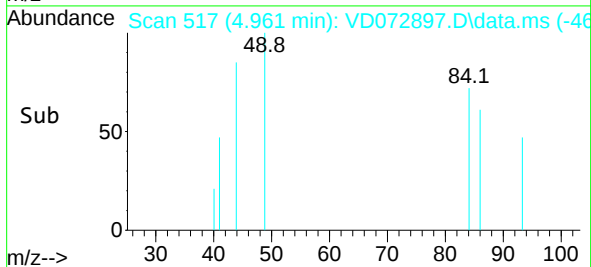
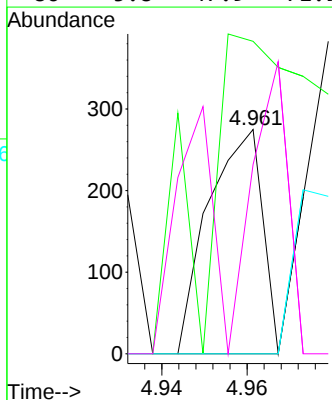
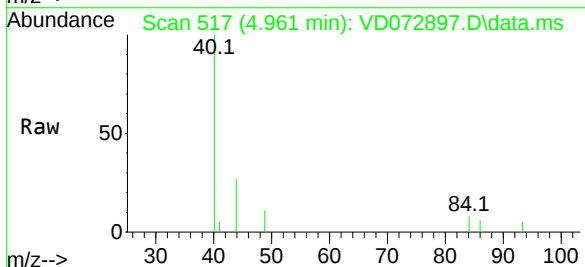
Instrument :
MSVOA_D
ClientSampleId :
B3-6-8

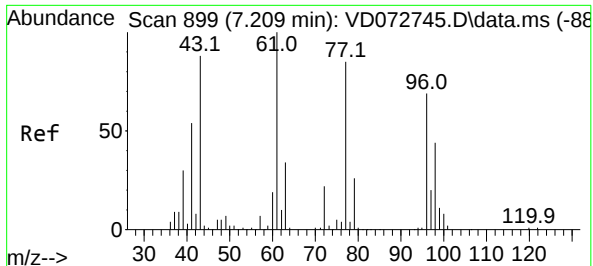
Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion: 84 Resp: 241
Ion Ratio Lower Upper
84 100
49 32.0 112.8 169.2#
51 0.0 32.6 48.8#
86 5.8 47.9 71.9#





#25

2-Butanone

Concen: 1.741 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.005 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

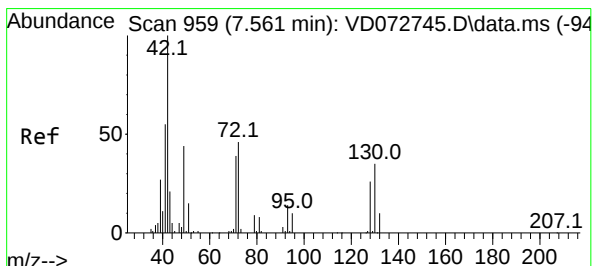
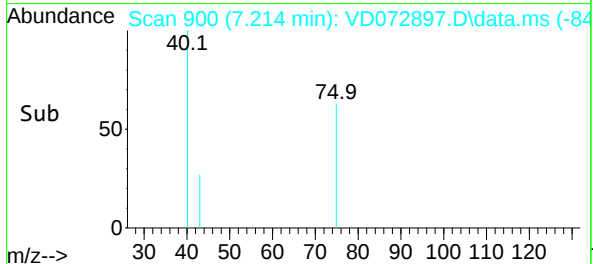
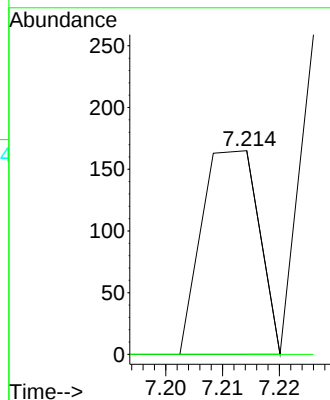
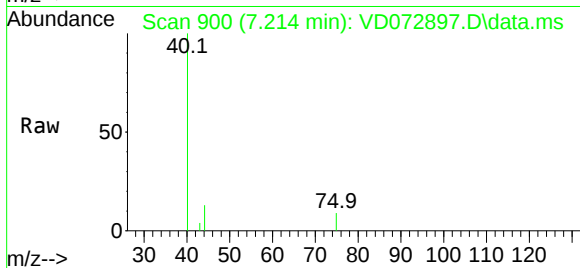
B3-6-8

Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 2.378 ug/l

RT: 7.491 min Scan# 947

Delta R.T. -0.070 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

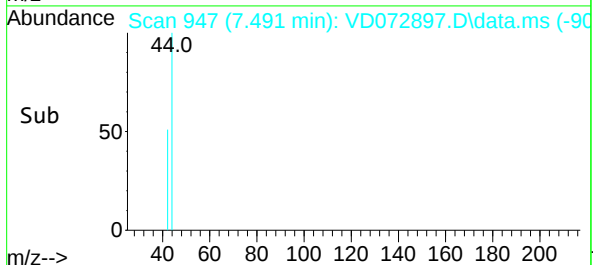
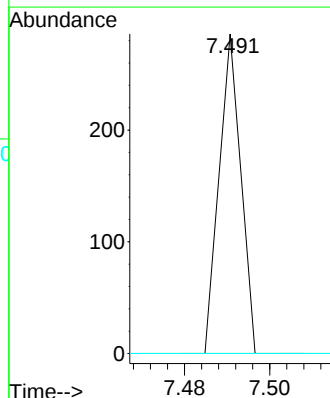
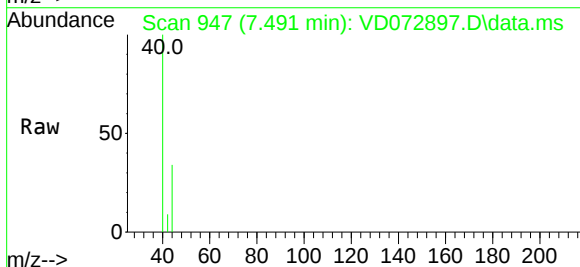
Tgt Ion: 42 Resp: 101

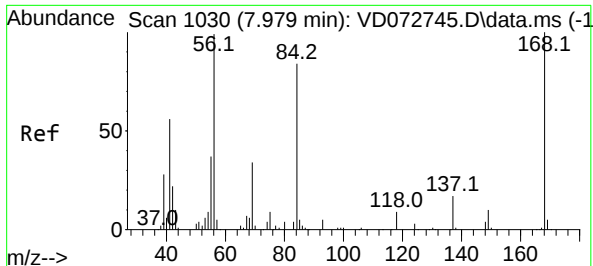
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.638 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

Instrument :

MSVOA_D

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B3-6-8

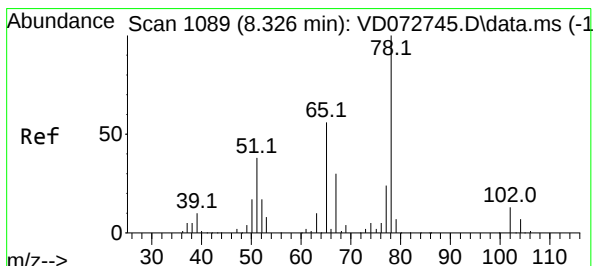
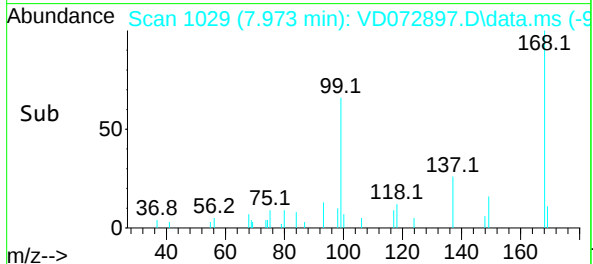
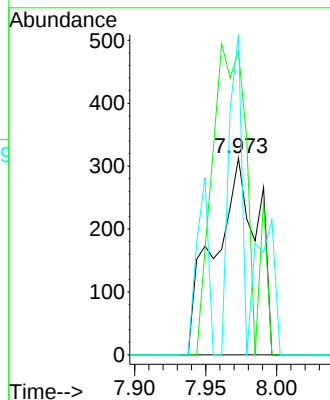
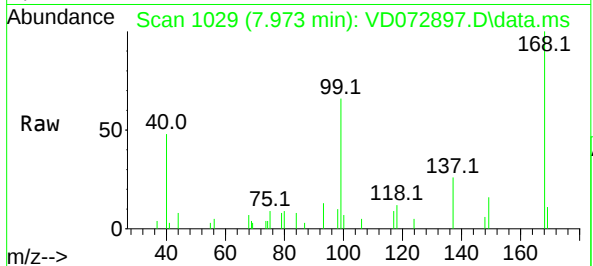
Tgt Ion: 56 Resp: 655

Ion Ratio Lower Upper

56 100

69 154.0 25.4 38.2#

84 162.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 72.048 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD072897.D

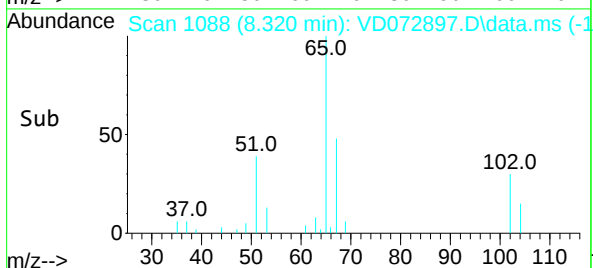
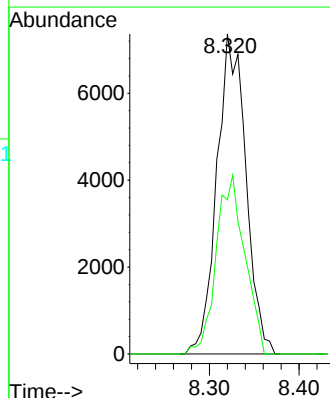
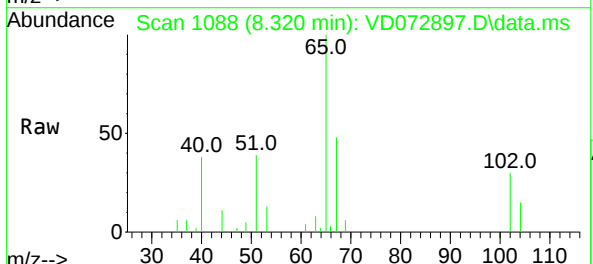
Acq: 09 May 2022 18:19

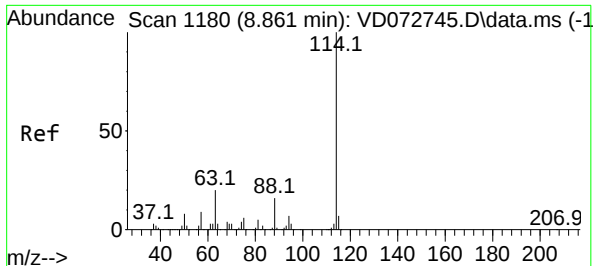
Tgt Ion: 65 Resp: 16478

Ion Ratio Lower Upper

65 100

67 55.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

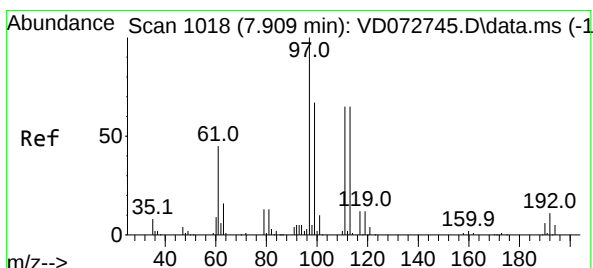
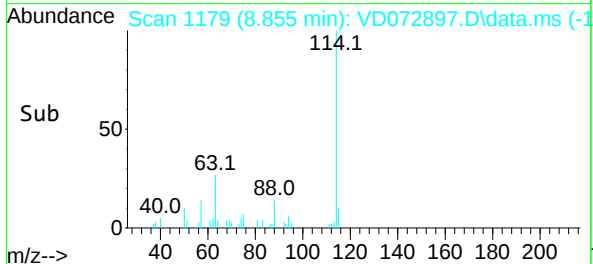
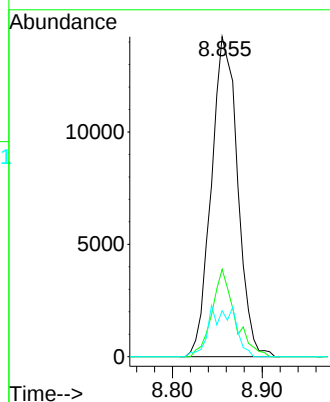
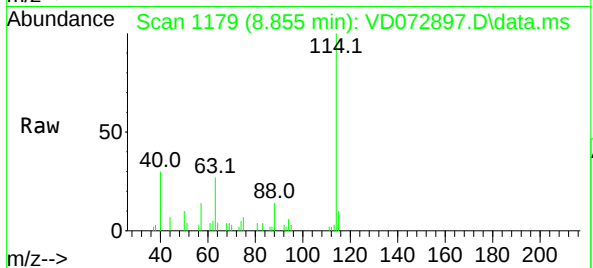
Instrument :

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ClientSampleId :

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Tgt Ion:114	Resp:	28977
Ion	Ratio	Lower Upper
114	100	
63	27.3	0.0 46.6
88	14.3	0.0 33.2



#35

Dibromofluoromethane

Concen: 71.270 ug/l

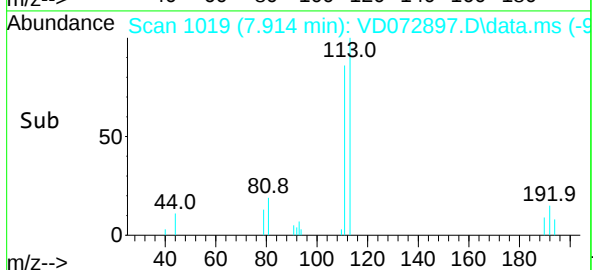
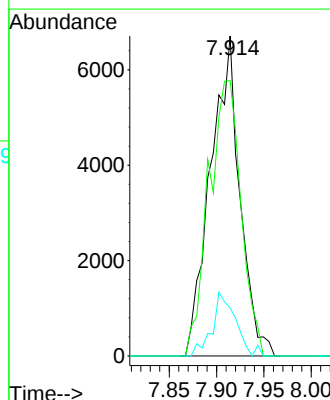
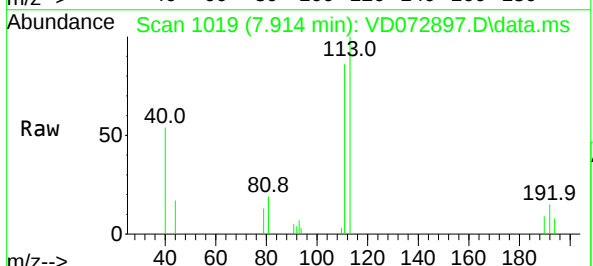
RT: 7.914 min Scan# 1019

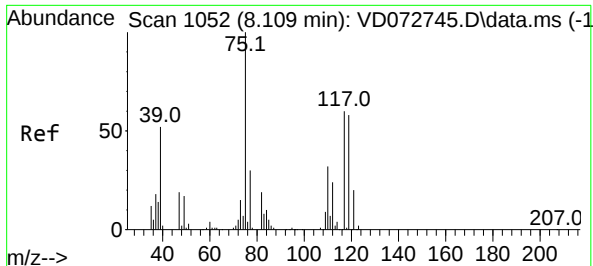
Delta R.T. 0.005 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

Tgt Ion:113	Resp:	14504
Ion	Ratio	Lower Upper
113	100	
111	94.5	83.8 125.6
192	15.3	14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.838 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.142 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

B3-6-8

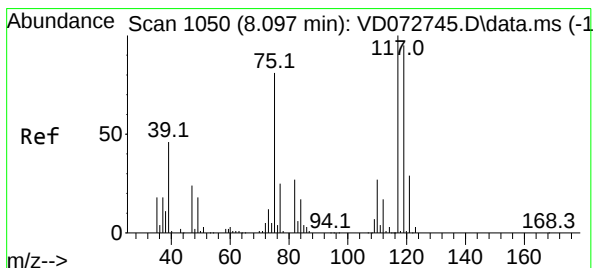
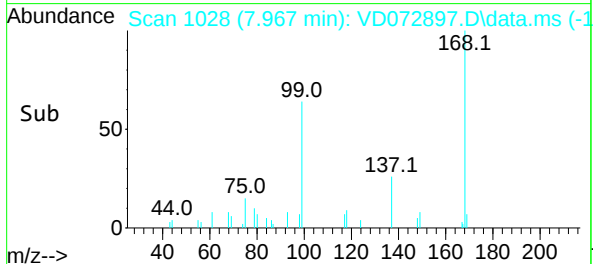
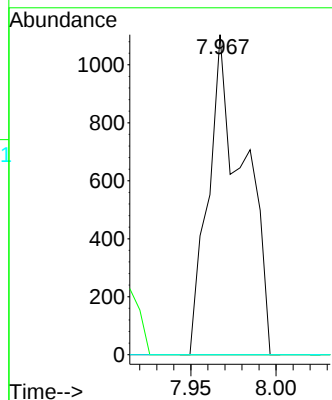
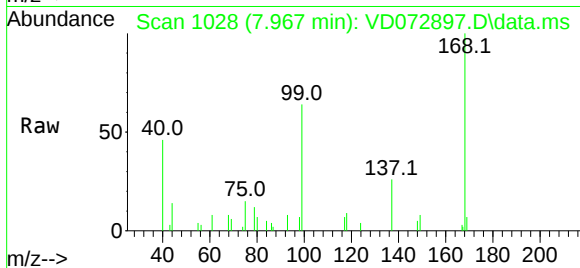
Tgt Ion: 75 Resp: 1601

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.263 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

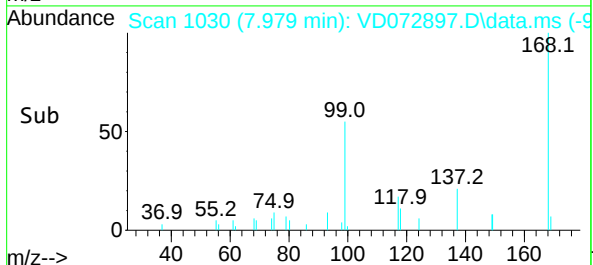
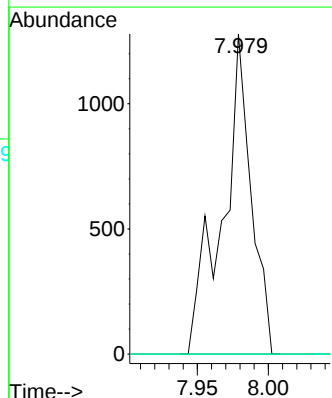
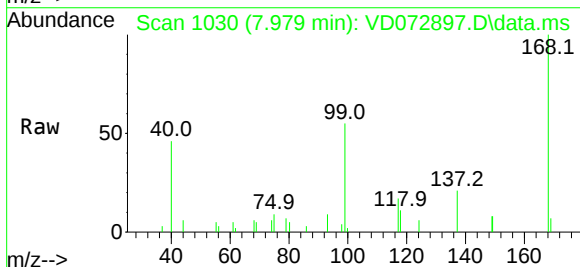
Tgt Ion: 117 Resp: 1808

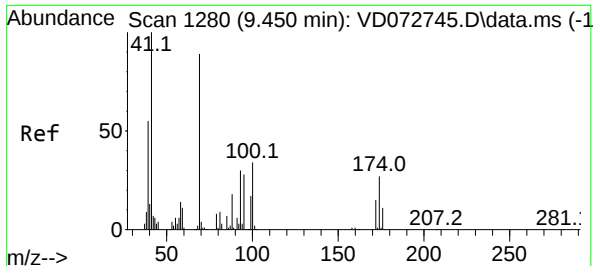
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.490 ug/l

RT: 9.414 min Scan# 11

Delta R.T. -0.036 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

B3-6-8

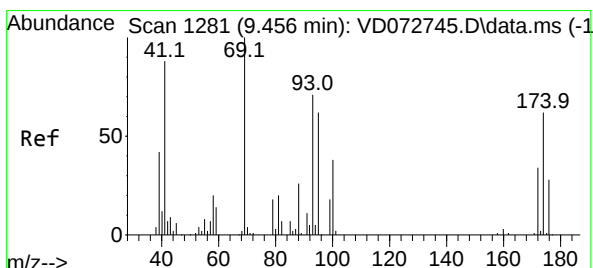
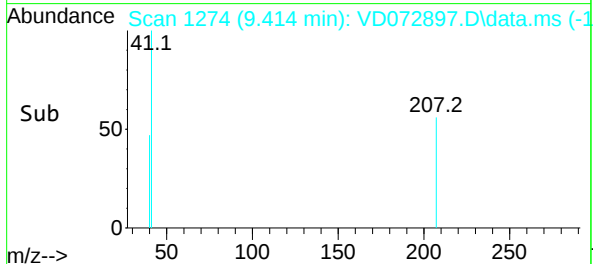
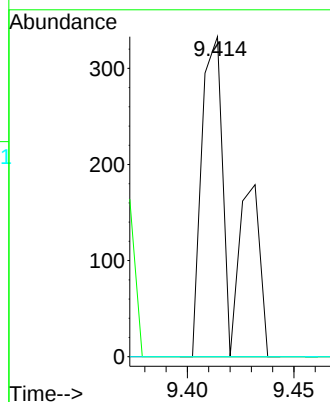
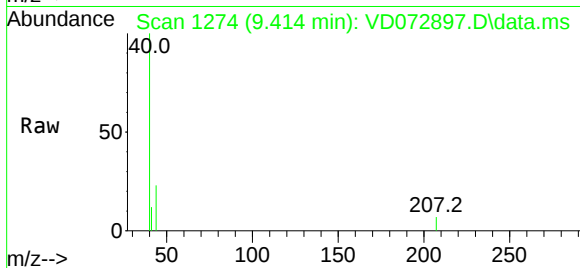
Tgt Ion: 41 Resp: 342

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#49

1,4-Dioxane

Concen: 35.281 ug/l

RT: 9.449 min Scan# 1280

Delta R.T. -0.007 min

Lab File: VD072897.D

Acq: 09 May 2022 18:19

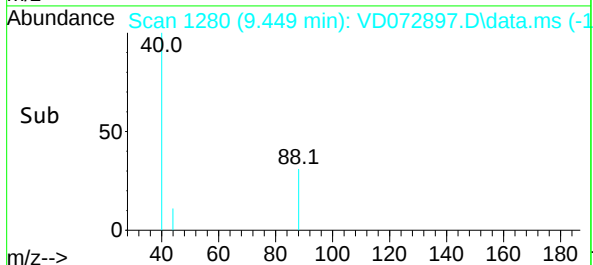
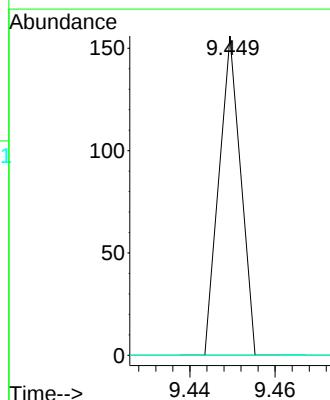
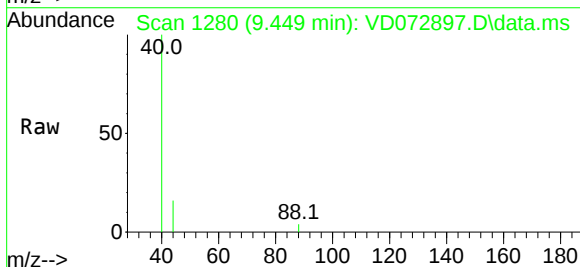
Tgt Ion: 88 Resp: 55

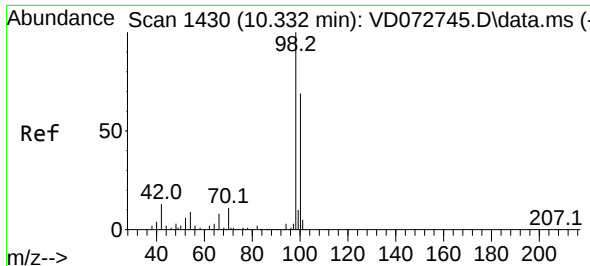
Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#

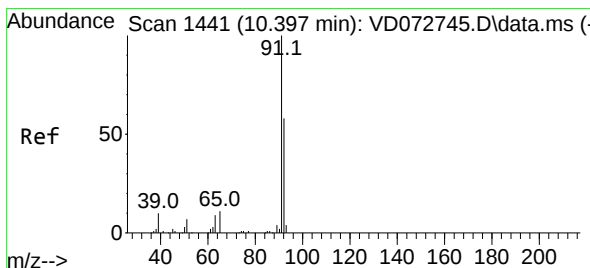
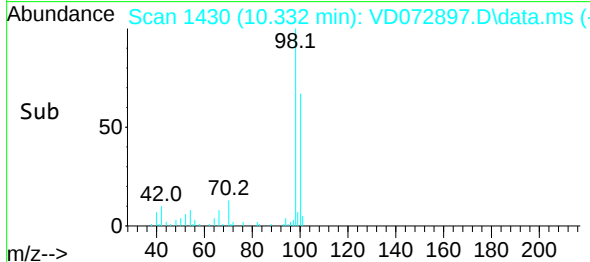
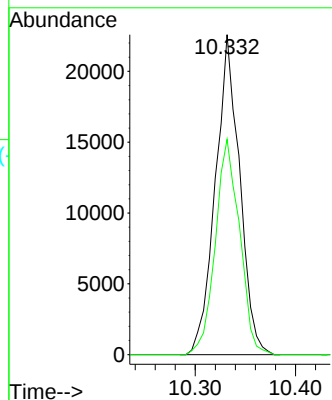
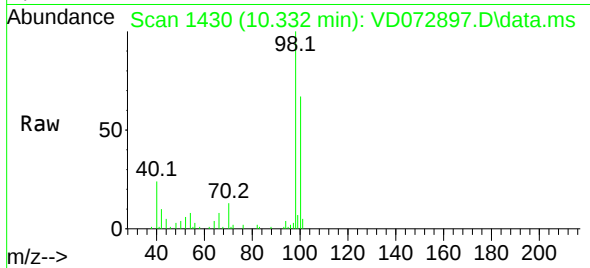




#50
Toluene-d8
Concen: 52.078 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

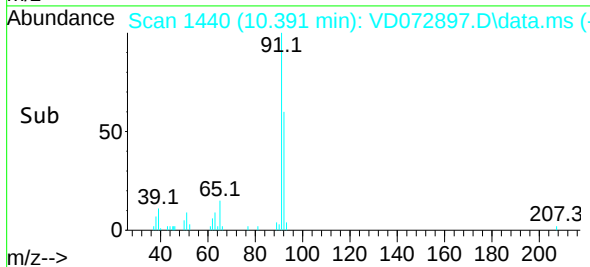
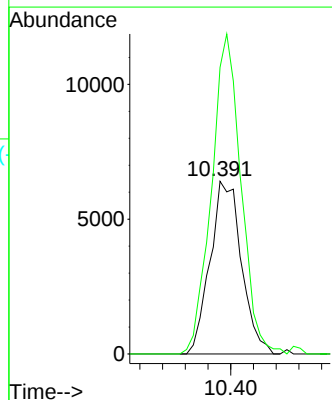
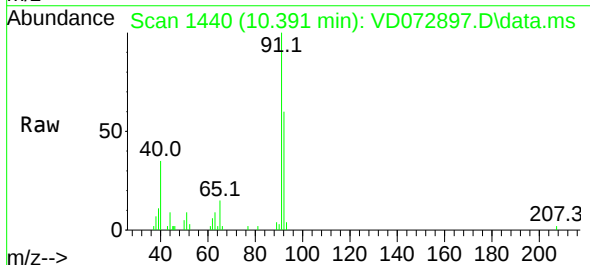
Instrument :
MSVOA_D
ClientSampleId :
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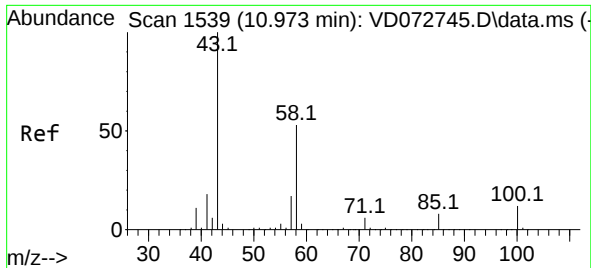
Tgt Ion: 98 Resp: 38017
Ion Ratio Lower Upper
98 100
100 67.1 52.4 78.6



#52
Toluene
Concen: 20.593 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion: 92 Resp: 12276
Ion Ratio Lower Upper
92 100
91 174.3 139.6 209.4

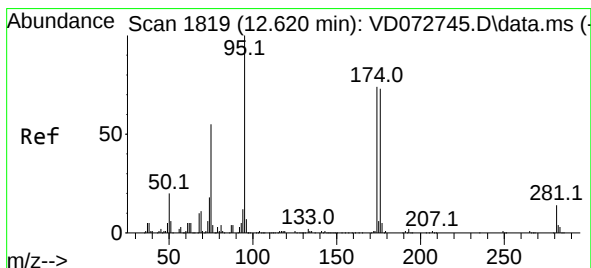
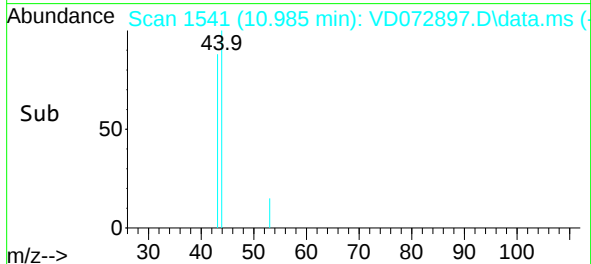
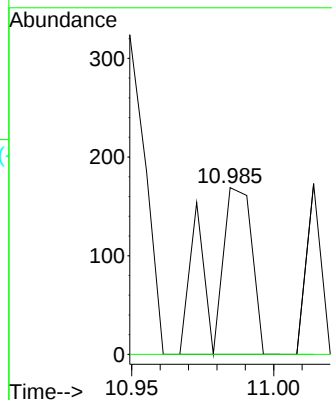
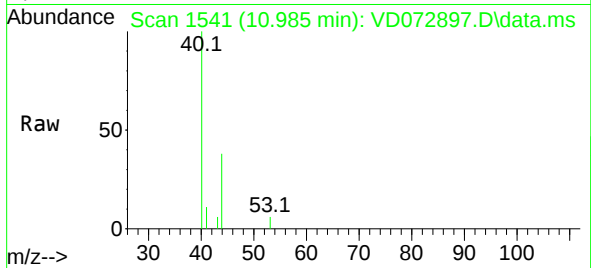




#59
2-Hexanone
Concen: 1.742 ug/l
RT: 10.985 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

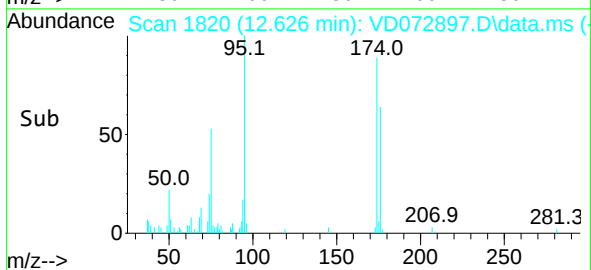
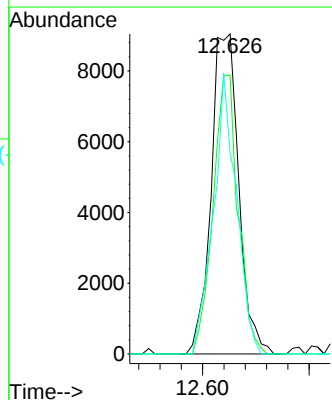
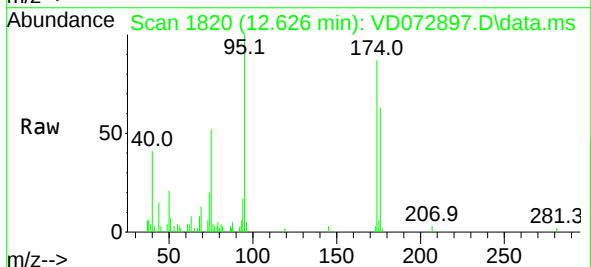
Instrument :
MSVOA_D
ClientSampleId :
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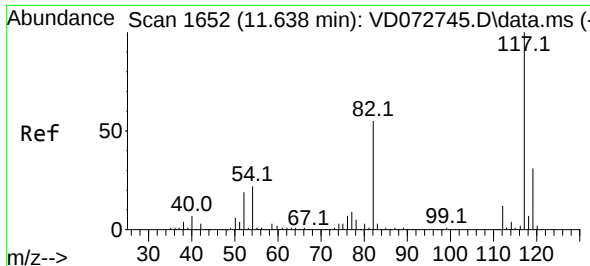
Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 59.809 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion: 95 Resp: 16280
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 73.4 0.0 145.4

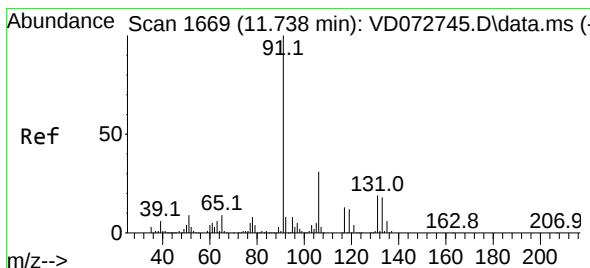
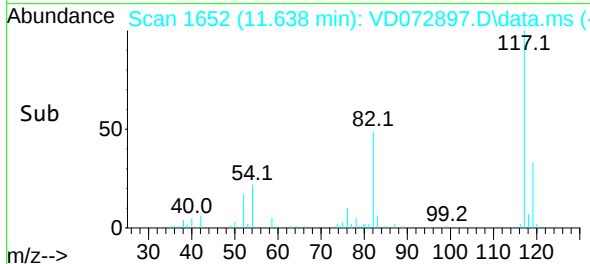
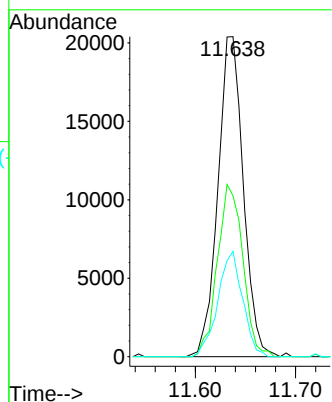
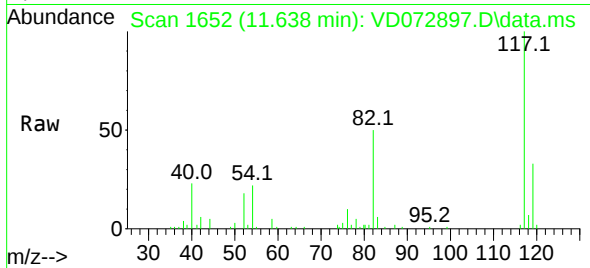




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

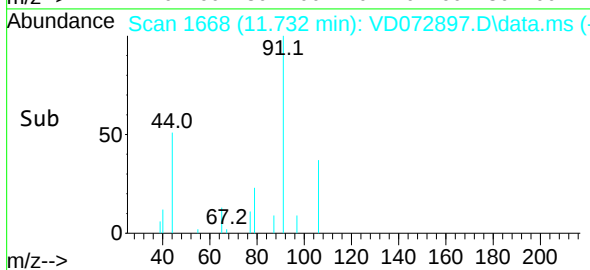
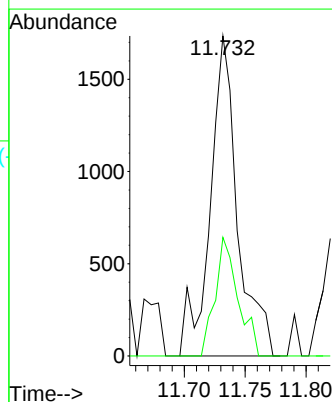
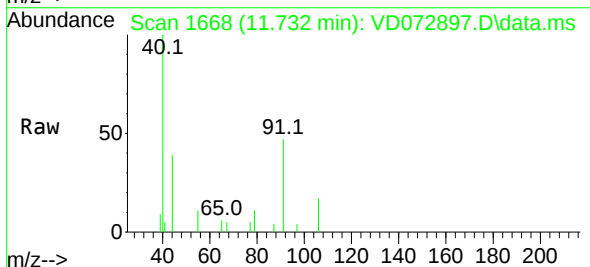
Instrument :
MSVOA_D
ClientSampleId :
B3-6-8

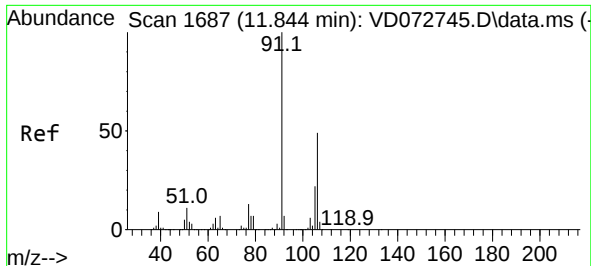
Tgt Ion:117 Resp: 35949
Ion Ratio Lower Upper
117 100
82 50.3 45.3 67.9
119 32.9 26.6 40.0



#67
Ethyl Benzene
Concen: 1.894 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion: 91 Resp: 2725
Ion Ratio Lower Upper
91 100
106 37.1 24.2 36.4#

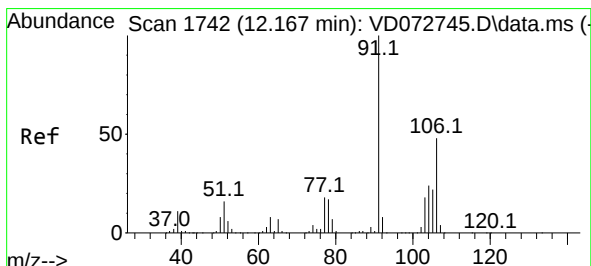
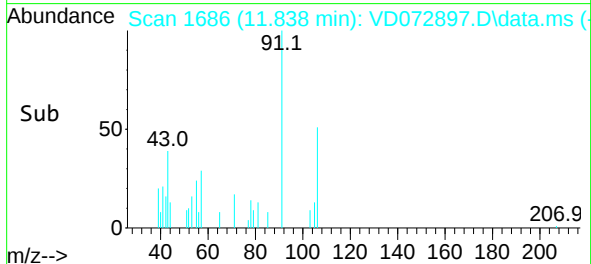
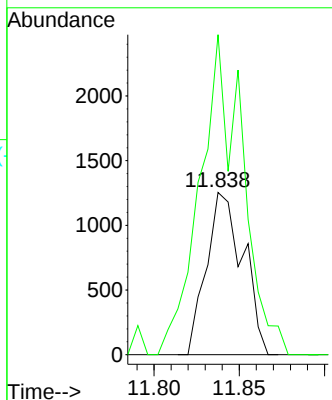
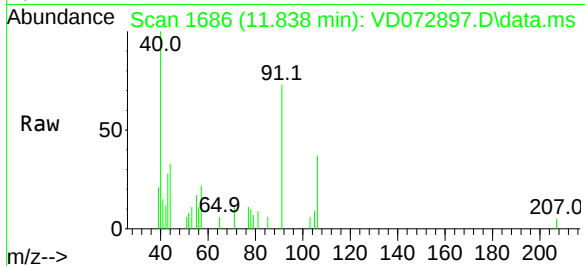




#68
m/p-Xylenes
Concen: 3.395 ug/l
RT: 11.838 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

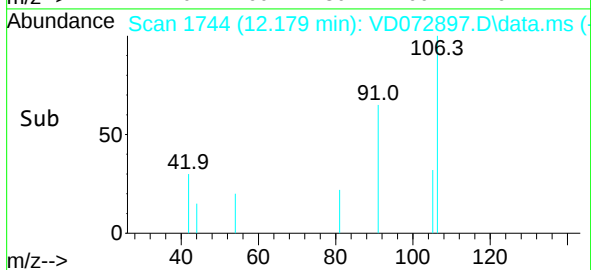
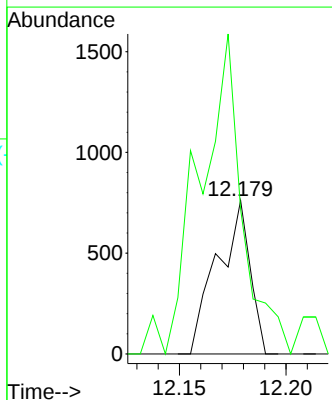
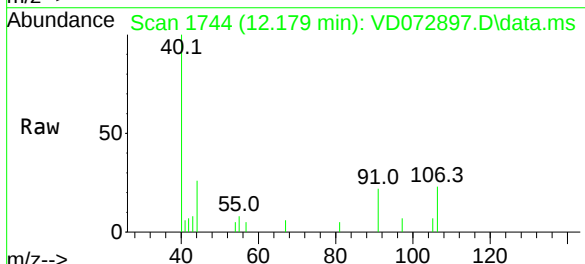
Instrument :
MSVOA_D
ClientSampleId :
B3-6-8

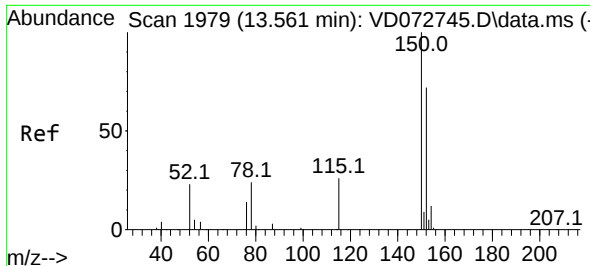
Tgt Ion:106 Resp: 1882
Ion Ratio Lower Upper
106 100
91 228.3 163.7 245.5



#69
o-Xylene
Concen: 1.578 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.012 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion:106 Resp: 817
Ion Ratio Lower Upper
106 100
91 273.9 110.4 331.2

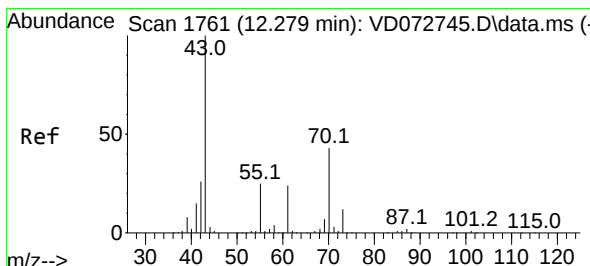
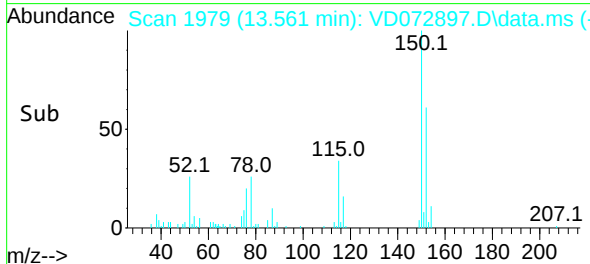
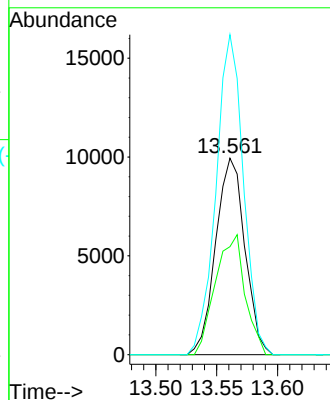
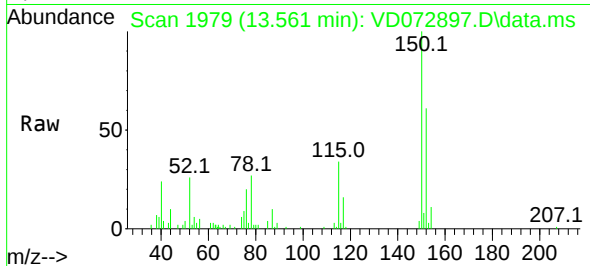




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

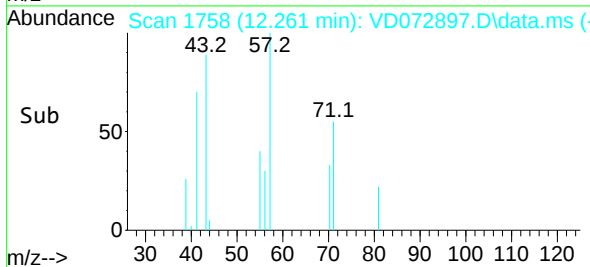
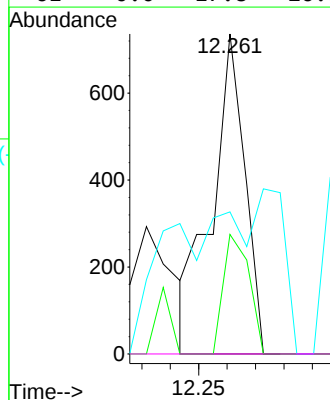
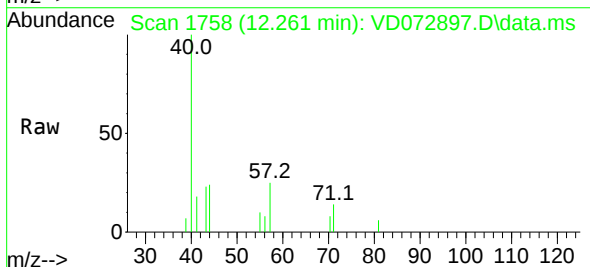
Instrument :
MSVOA_D
ClientSampleId :
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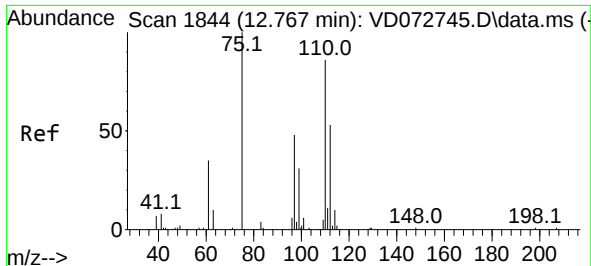
Tgt Ion:152 Resp: 16593
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 153.2 0.0 348.6



#74
N-ethyl acetate
Concen: 1.838 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
70 29.3 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

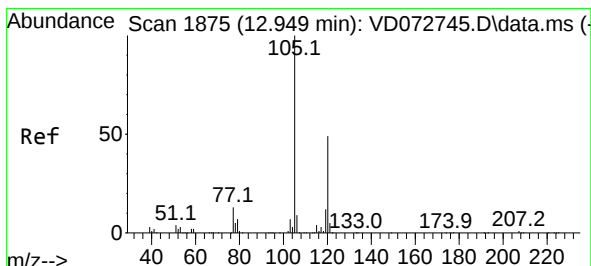
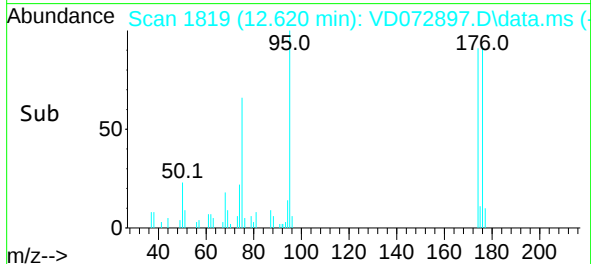
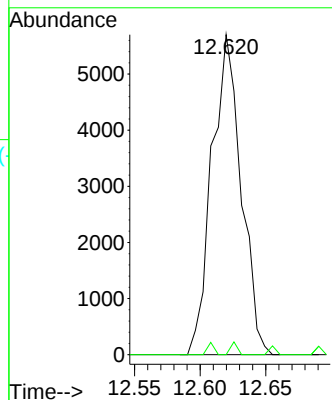
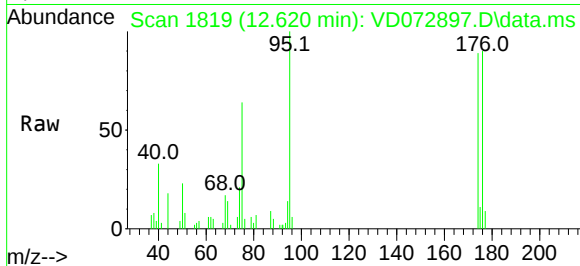




#76
 1,2,3-Trichloropropane
 Concen: 47.886 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072897.D
 Acq: 09 May 2022 18:19

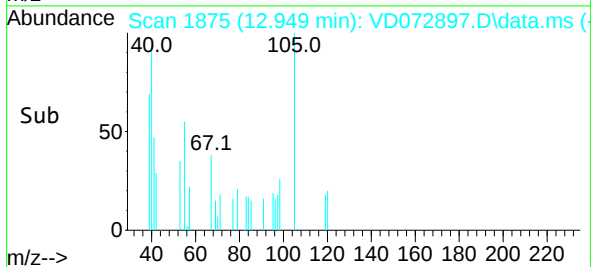
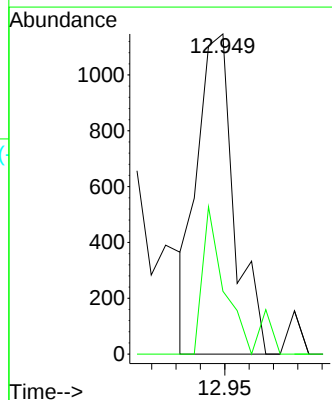
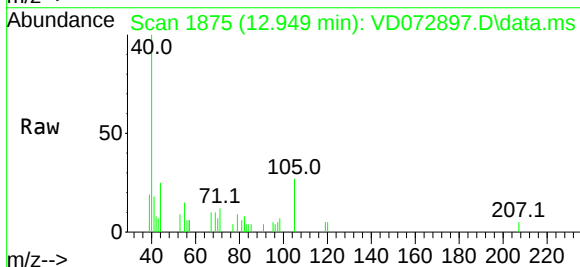
Instrument :
 MSVOA_D
 ClientSampleId :
 B3-6-8

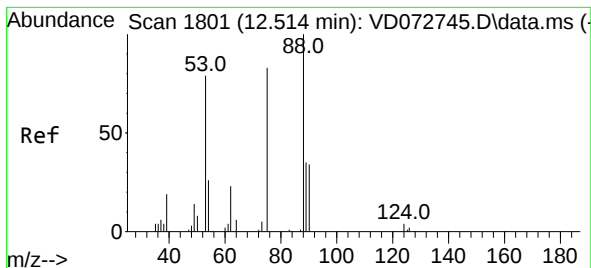
Tgt Ion: 75 Resp: 8860
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.094 ug/l
 RT: 12.949 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VD072897.D
 Acq: 09 May 2022 18:19

Tgt Ion: 105 Resp: 1198
 Ion Ratio Lower Upper
 105 100
 120 31.5 24.3 72.8

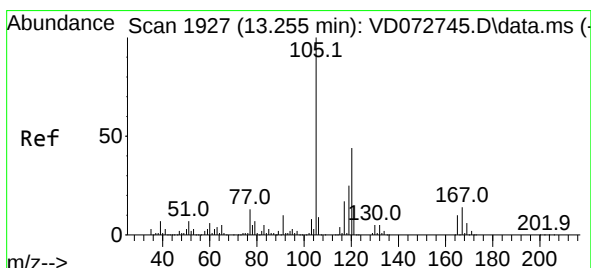
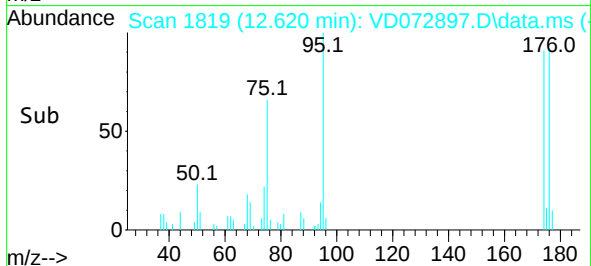
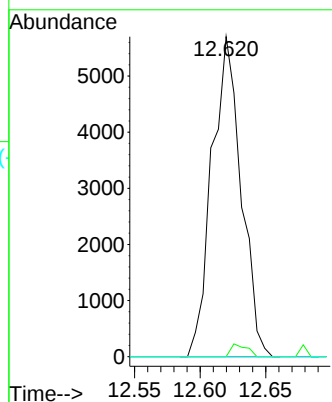
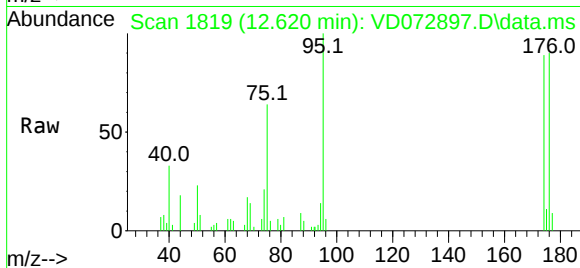




#81
trans-1,4-Dichloro-2-butene
Concen: 110.118 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

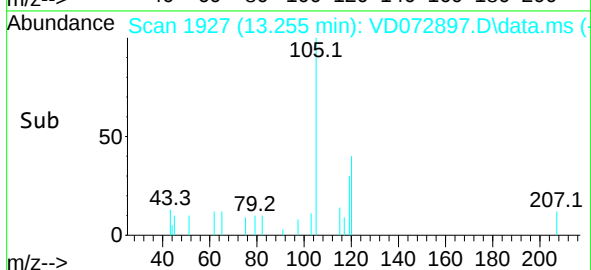
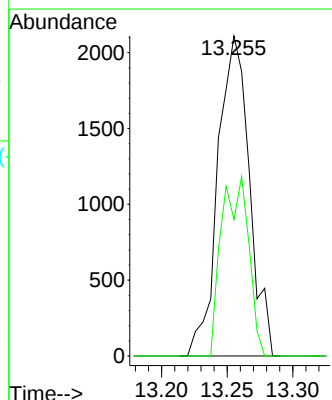
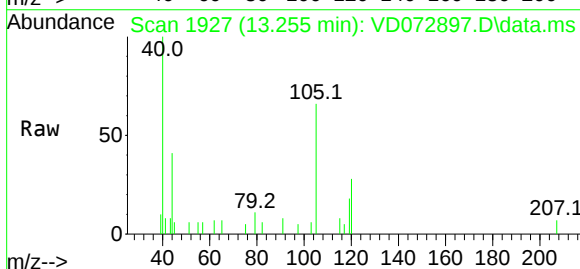
Instrument :
MSVOA_D
ClientSampleId :
B3-6-8

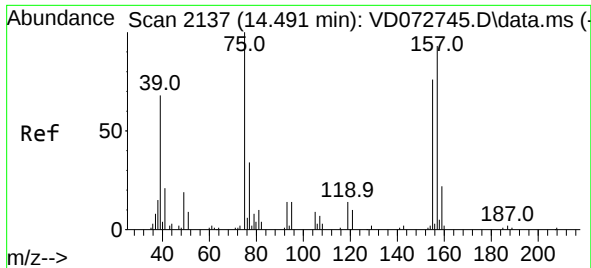
Tgt Ion: 75 Resp: 8860
Ion Ratio Lower Upper
75 100
53 2.2 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 3.221 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072897.D
Acq: 09 May 2022 18:19

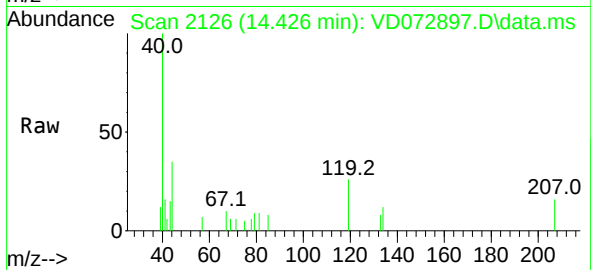
Tgt Ion: 105 Resp: 3524
Ion Ratio Lower Upper
105 100
120 48.0 22.3 66.8





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.331 ug/l
 RT: 14.426 min Scan# 21
 Delta R.T. -0.065 min
 Lab File: VD072897.D
 Acq: 09 May 2022 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
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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#

