

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073806.D
 Acq On : 07 Jul 2022 13:59
 Operator : VA/SY
 Sample : N3562-10RE
 Misc : 5.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11B

Quant Time: Jul 08 06:31:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 05:39:57 2022
 Response via : Initial Calibration

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

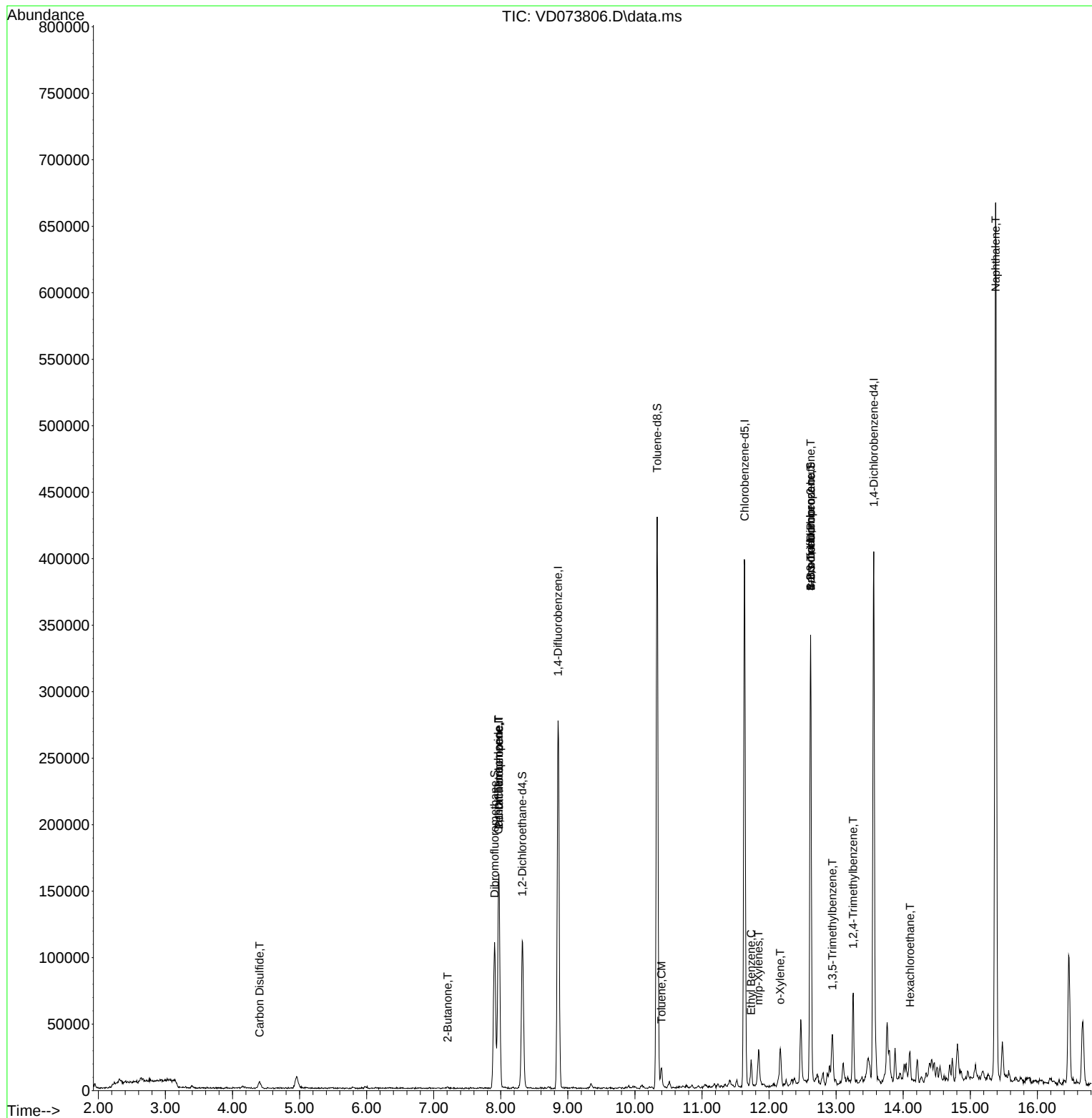
Internal Standards						
1) Pentafluorobenzene	7.973	168	104180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	228042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	213089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	92874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	86165	67.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.440%	
35) Dibromofluoromethane	7.908	113	76301	54.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.060%	
50) Toluene-d8	10.332	98	282394	59.576	ug/l	0.00
Spiked Amount	50.000	Range	78 - 12	Recovery	= 119.160%#	
62) 4-Bromofluorobenzene	12.620	95	104565	53.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 14	Recovery	= 107.340%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	73	Below Cal	#	42
3) Chloromethane	2.209	50	440	Below Cal		95
4) Vinyl Chloride	2.338	62	227	Below Cal	#	1
5) Bromomethane	2.779	94	636	Below Cal	#	69
16) Acetone	4.156	43	2865	Below Cal	#	64
17) Carbon Disulfide	4.403	76	9477	2.484	ug/l #	86
18) Methyl Acetate	4.785	43	56	Below Cal	#	53
20) Methylene Chloride	4.956	84	6331	Below Cal	#	87
25) 2-Butanone	7.208	43	566	1.344	ug/l #	52
31) Cyclohexane	7.961	56	4155	Below Cal	#	56
36) 1,1-Dichloropropene	7.973	75	10003	5.588	ug/l #	52
38) Carbon Tetrachloride	7.967	117	12315	6.051	ug/l #	15
52) Toluene	10.396	92	5874	1.678	ug/l	98
64) Tetrachloroethene	10.861	164	54	Below Cal	#	26
67) Ethyl Benzene	11.732	91	12431	1.684	ug/l	96
68) m/p-Xylenes	11.843	106	6257	2.241	ug/l	91
69) o-Xylene	12.167	106	6886	2.562	ug/l	99
71) Bromoform	12.620	173	825	1.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	58870	58.219	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.943	105	13543	2.267	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.620	75	58870	130.067	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.255	105	35394	5.985	ug/l	97
90) Hexachloroethane	14.102	117	1563	1.200	ug/l #	25
95) Naphthalene	15.379	128	552830	154.819	ug/l	100

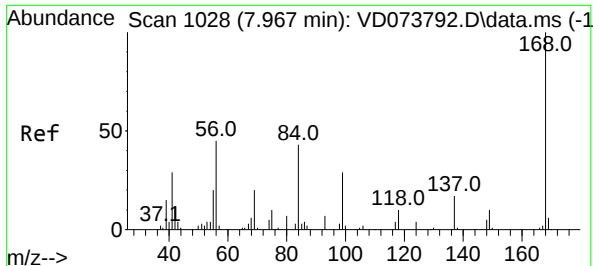
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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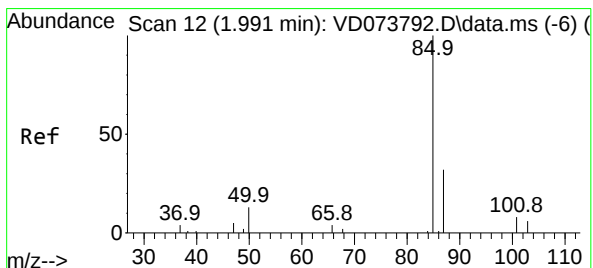
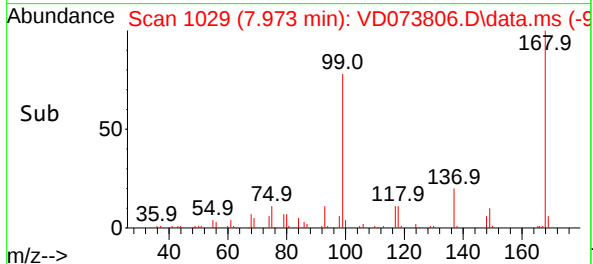
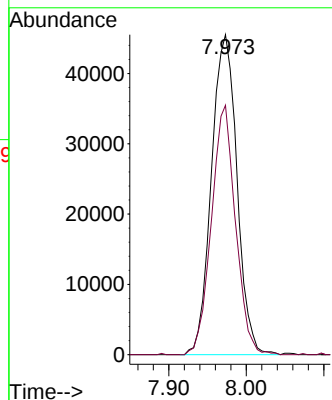
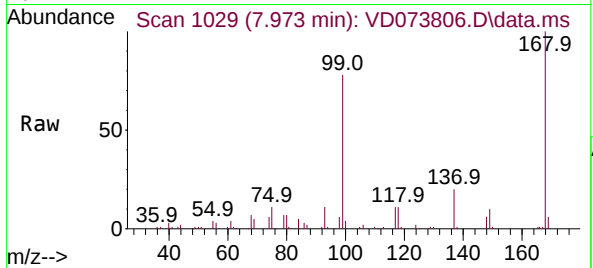




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

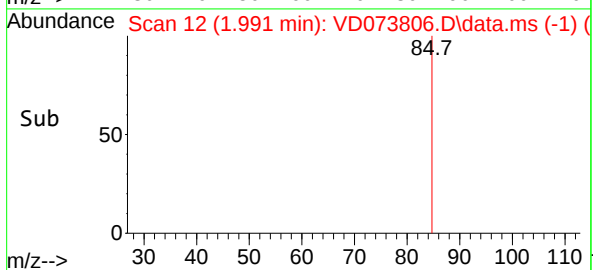
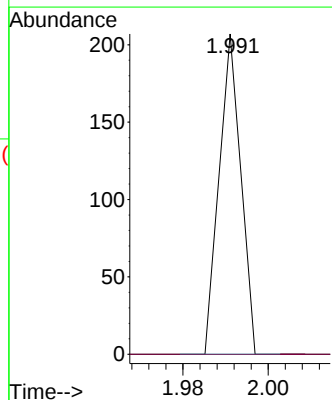
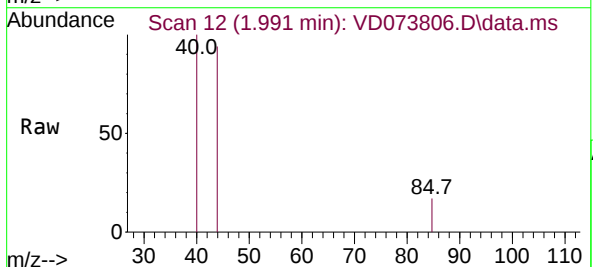
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

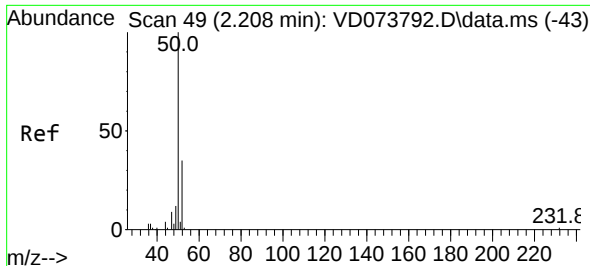
Tgt Ion:168 Resp: 104180
Ion Ratio Lower Upper
168 100
99 78.0 58.4 87.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 85 Resp: 73
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.5#

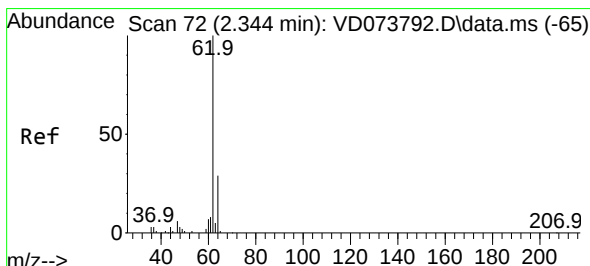
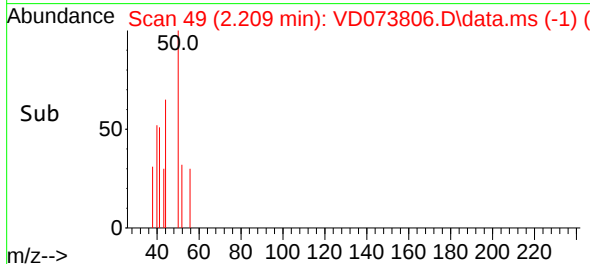
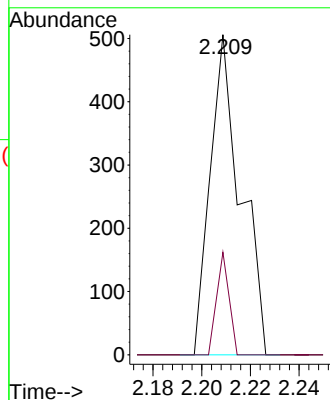
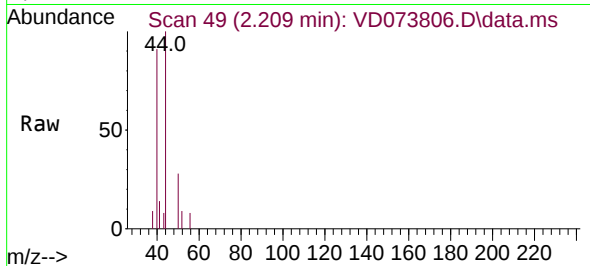




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. 0.001 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

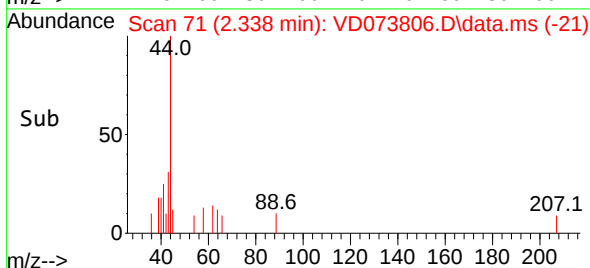
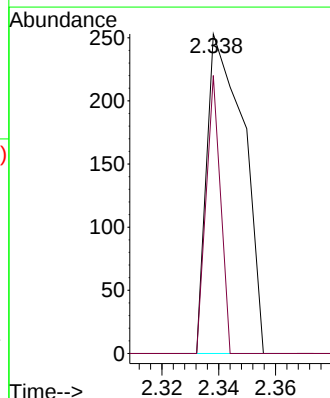
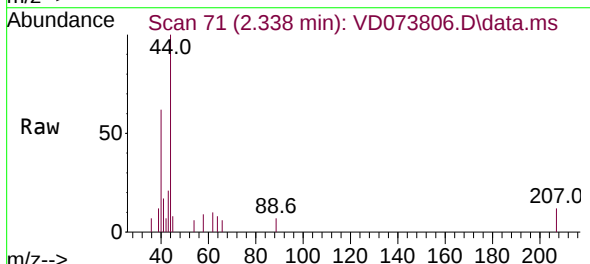
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

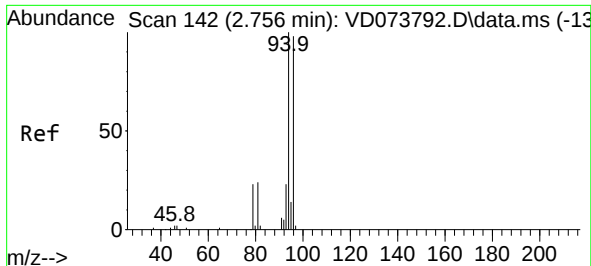
Tgt Ion: 50 Resp: 440
Ion Ratio Lower Upper
50 100
52 32.0 27.8 41.6



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.338 min Scan# 71
Delta R.T. -0.006 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 62 Resp: 227
Ion Ratio Lower Upper
62 100
64 87.0 23.4 35.2#

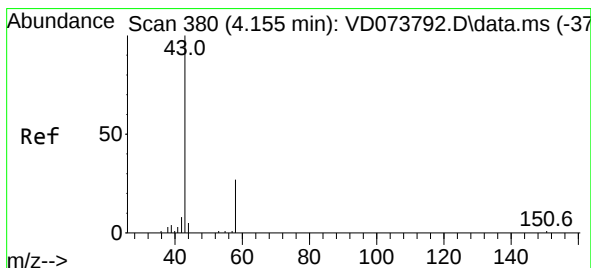
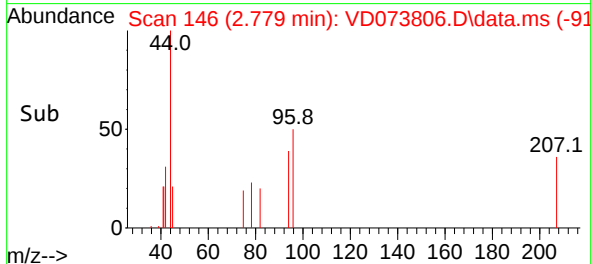
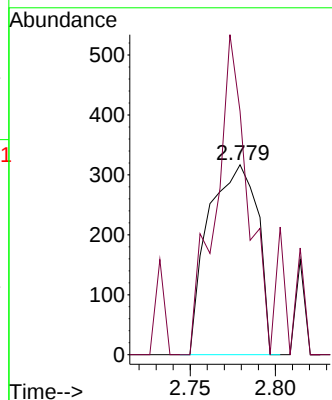
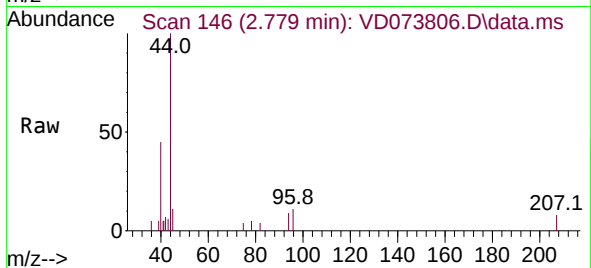




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 14
Delta R.T. 0.023 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

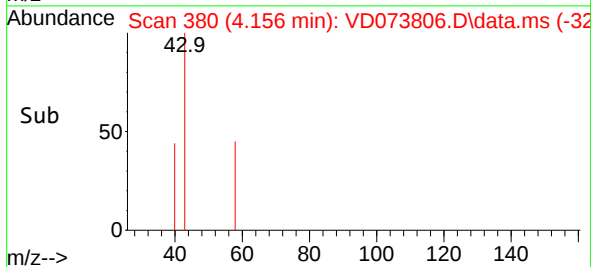
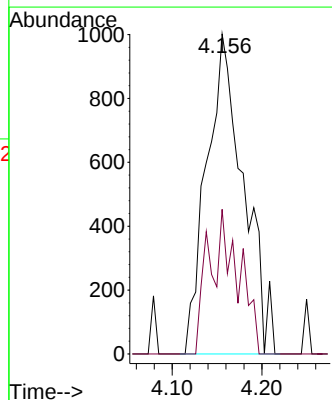
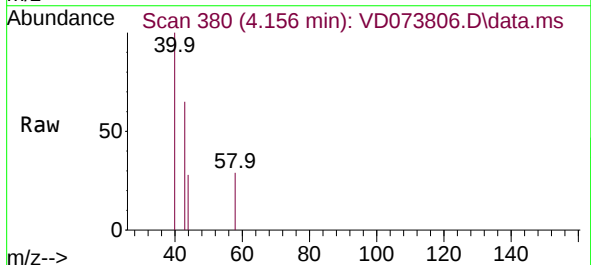
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

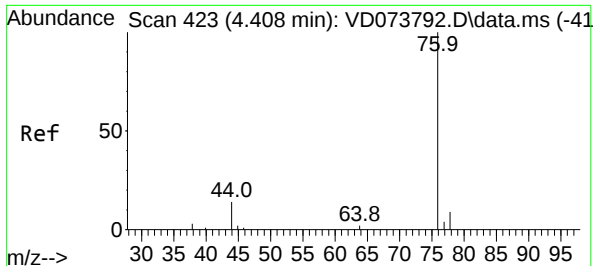
Tgt Ion: 94 Resp: 636
Ion Ratio Lower Upper
94 100
96 128.1 78.3 117.5#



#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
58 45.2 21.3 31.9#

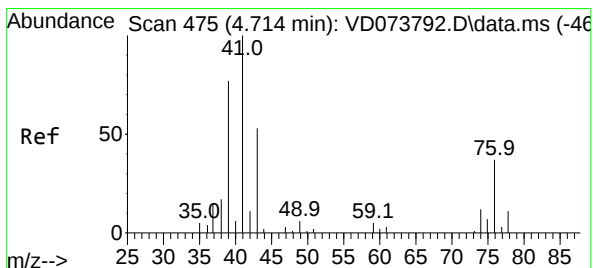
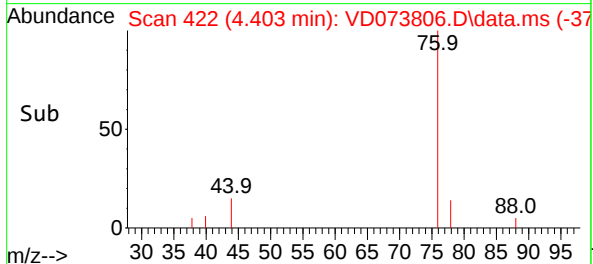
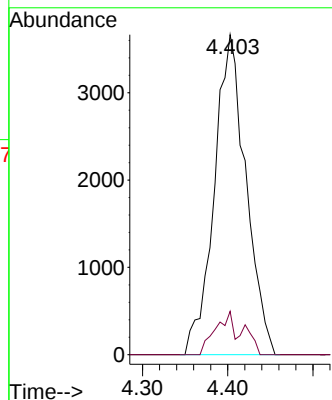
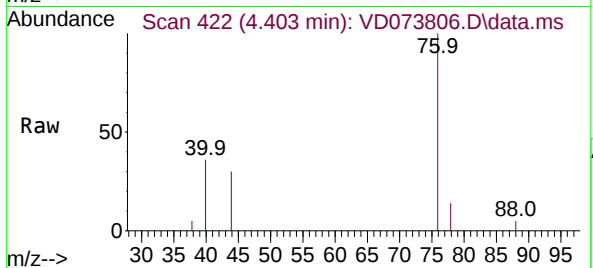




#17
Carbon Disulfide
Concen: 2.484 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

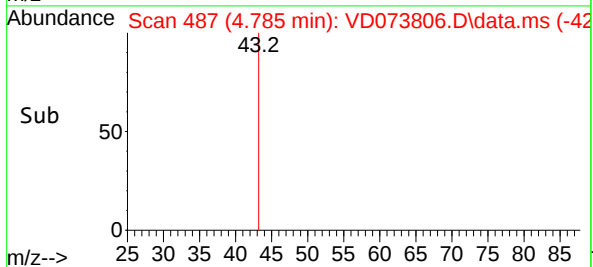
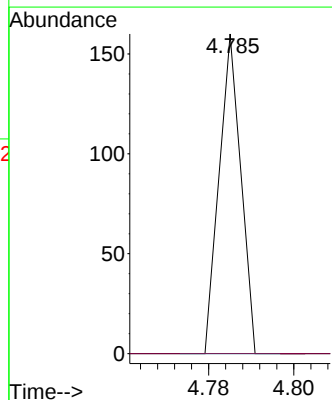
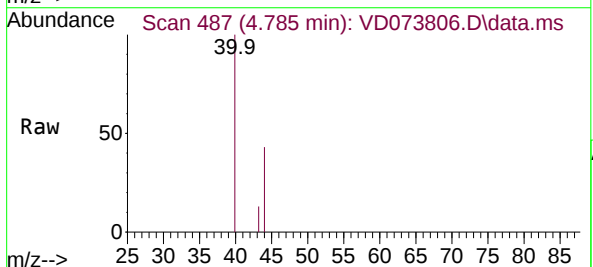
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

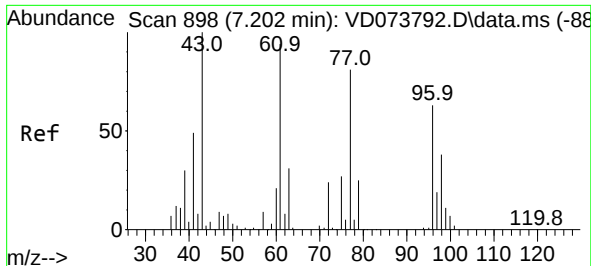
Tgt Ion: 76 Resp: 9477
Ion Ratio Lower Upper
76 100
78 13.6 6.8 10.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.785 min Scan# 487
Delta R.T. 0.071 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#

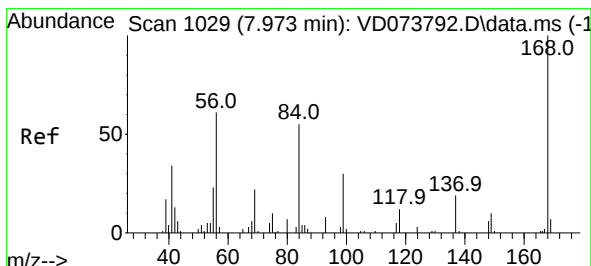
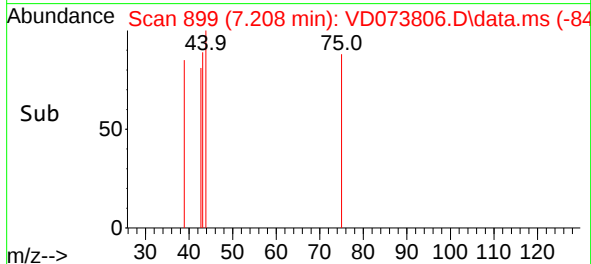
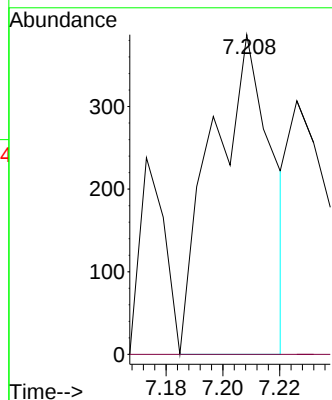
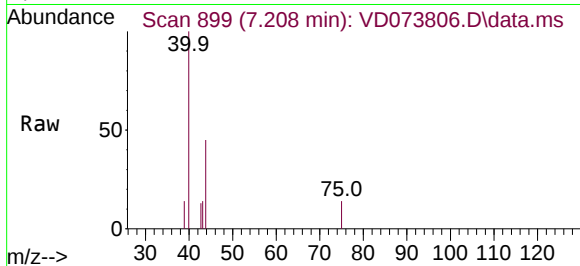




#25
2-Butanone
Concen: 1.344 ug/l
RT: 7.208 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

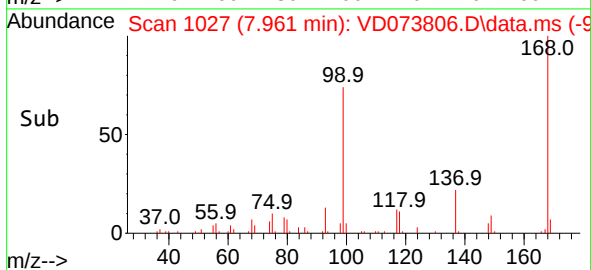
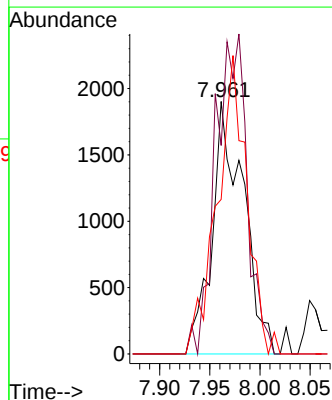
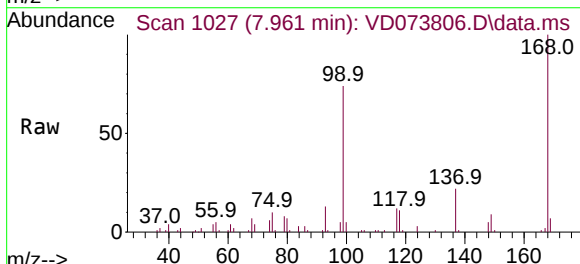
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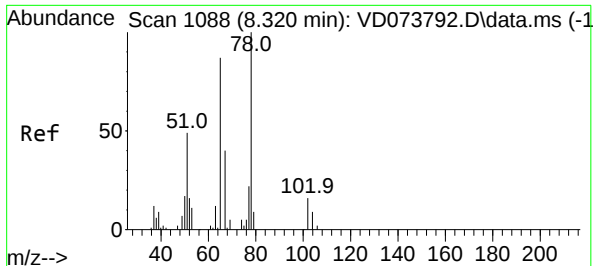
Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.961 min Scan# 1027
Delta R.T. -0.012 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 56 Resp: 4155
Ion Ratio Lower Upper
56 100
69 82.6 29.4 44.2#
84 61.3 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 67.221 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073806.D

Acq: 07 Jul 2022 13:59

Instrument :

MSVOA_D

ClientSampleId :

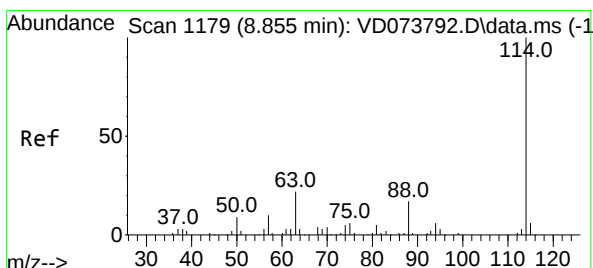
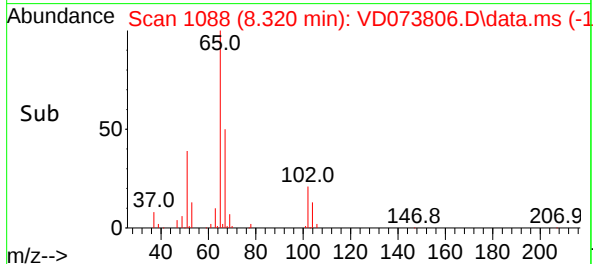
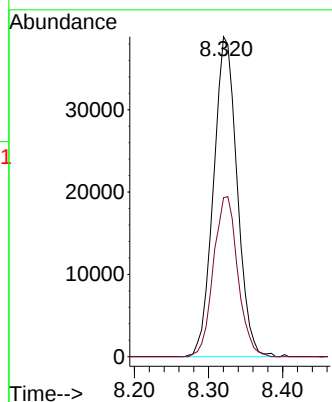
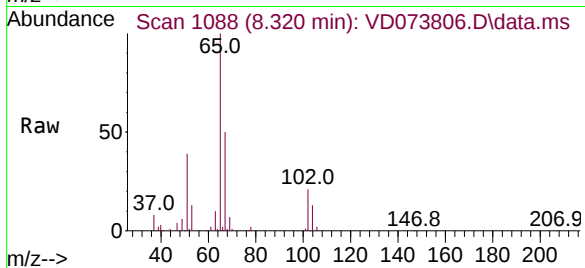
SB-11B

Tgt Ion: 65 Resp: 86165

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073806.D

Acq: 07 Jul 2022 13:59

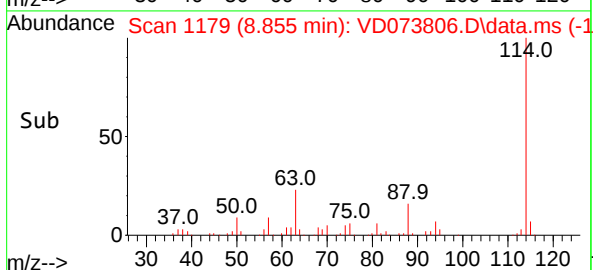
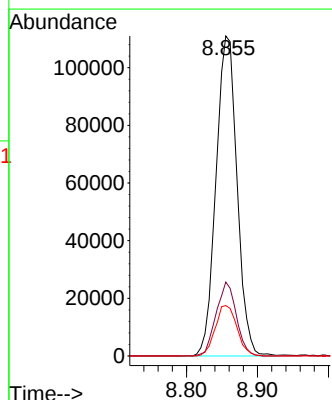
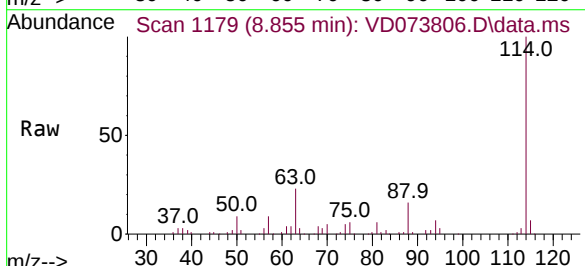
Tgt Ion: 114 Resp: 228042

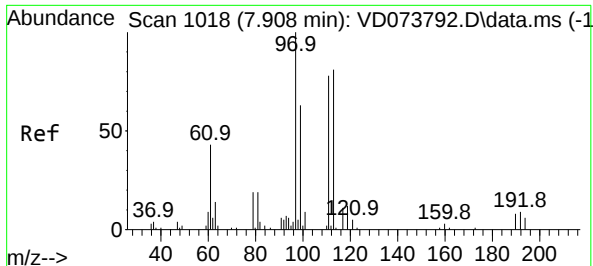
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.2

88 15.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 54.531 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073806.D

Acq: 07 Jul 2022 13:59

Instrument :

MSVOA_D

ClientSampleId :

SB-11B

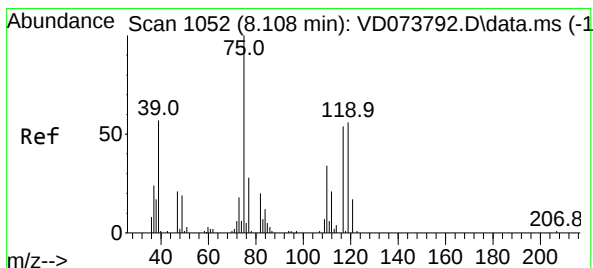
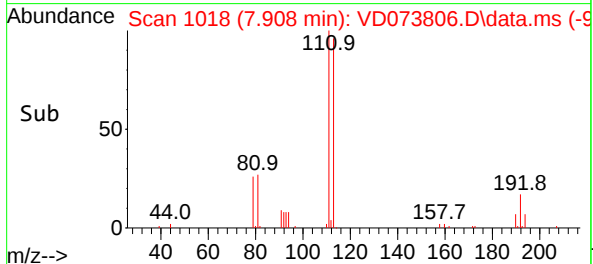
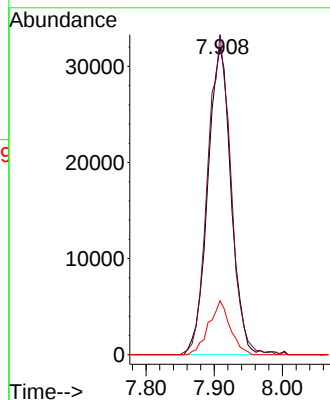
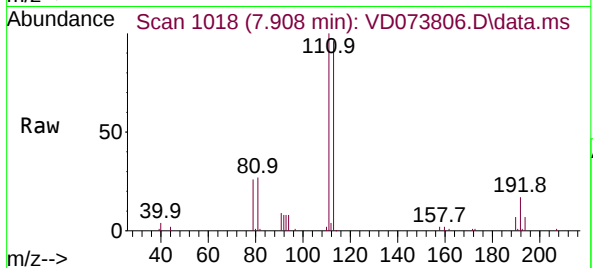
Tgt Ion:113 Resp: 76301

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

192 16.0 11.7 17.5



#36

1,1-Dichloropropene

Concen: 5.588 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073806.D

Acq: 07 Jul 2022 13:59

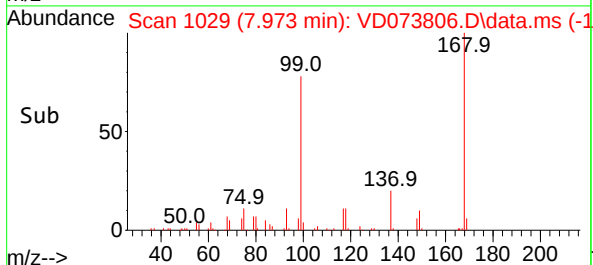
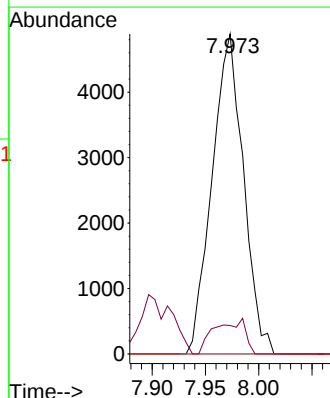
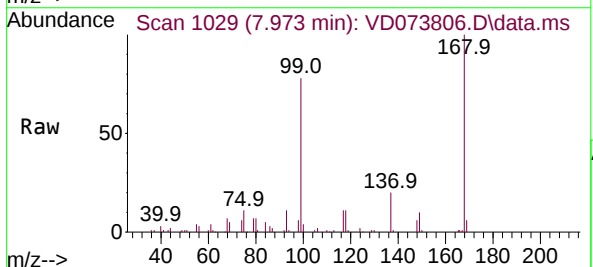
Tgt Ion: 75 Resp: 10003

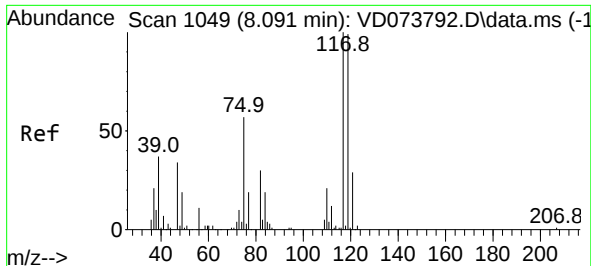
Ion Ratio Lower Upper

75 100

110 10.7 16.9 50.7#

77 0.0 24.8 37.2#

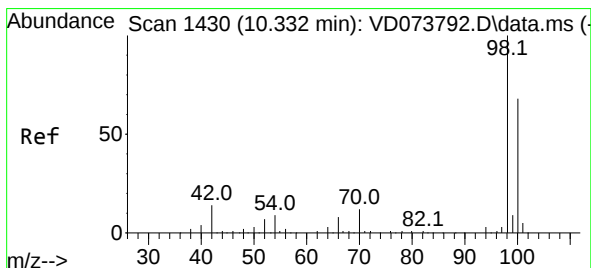
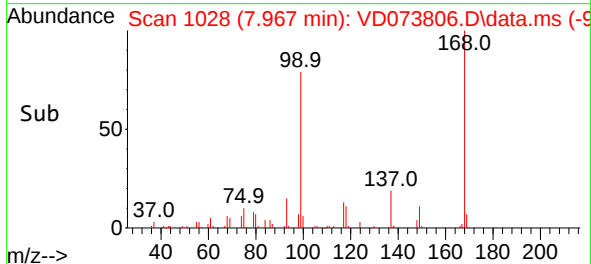
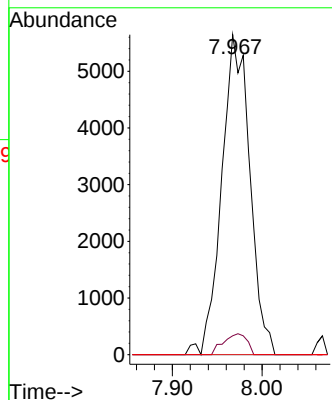
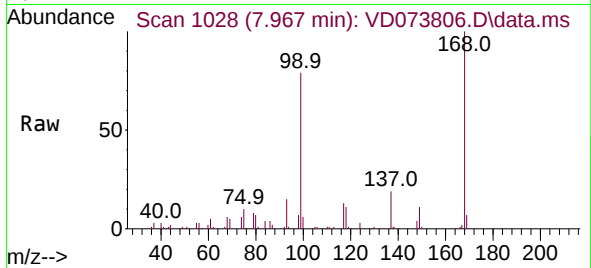




#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

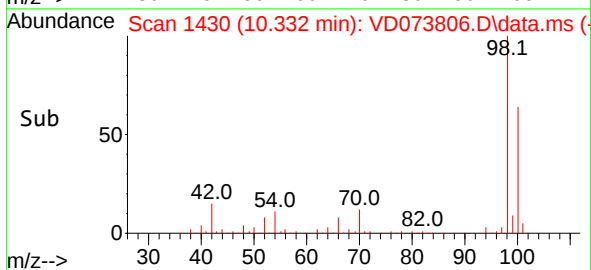
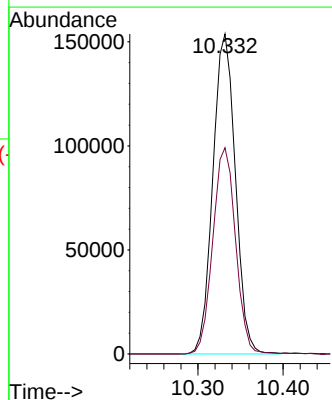
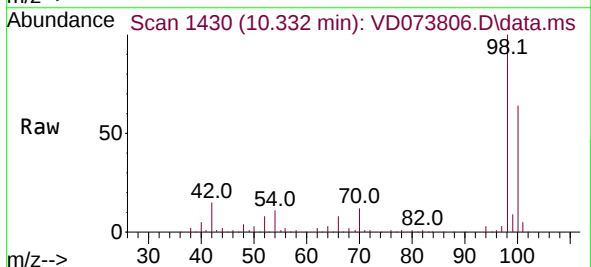
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

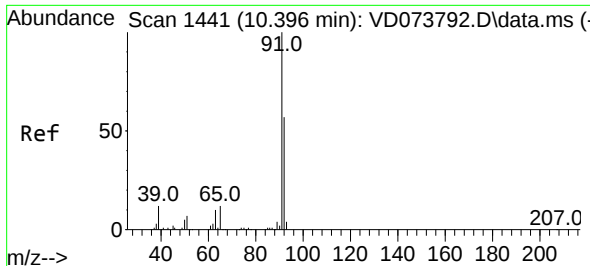
Tgt Ion:117 Resp: 12315
Ion Ratio Lower Upper
117 100
119 5.9 79.3 118.9#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 59.576 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 98 Resp: 282394
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

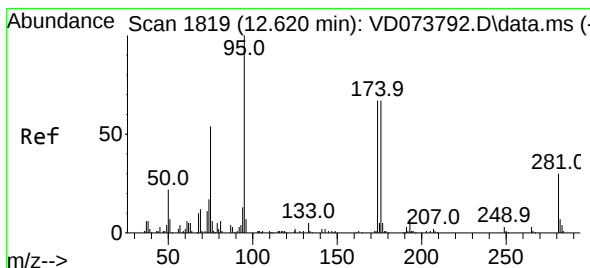
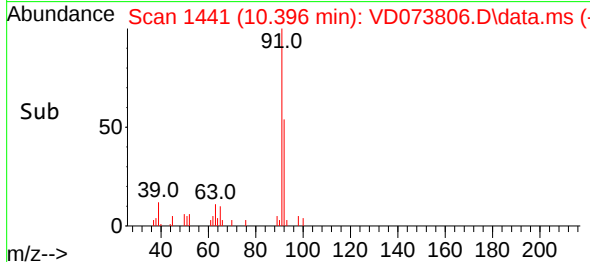
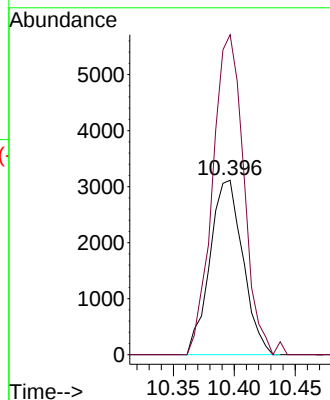
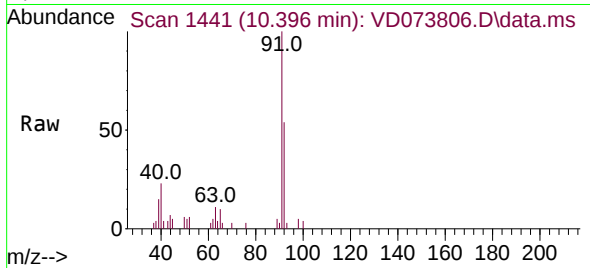




#52
Toluene
Concen: 1.678 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

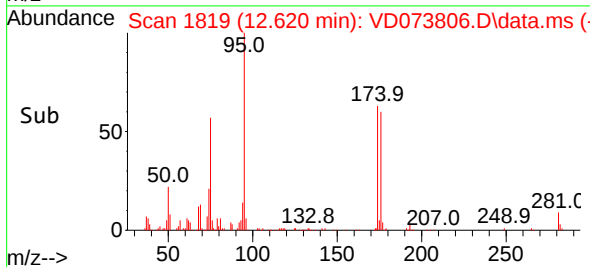
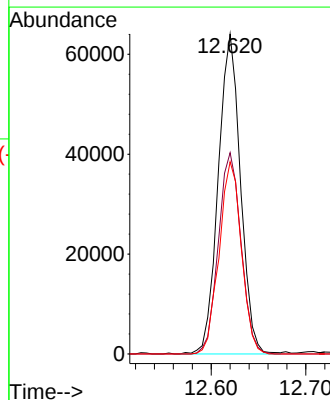
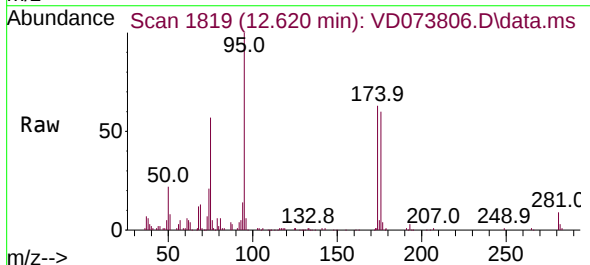
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

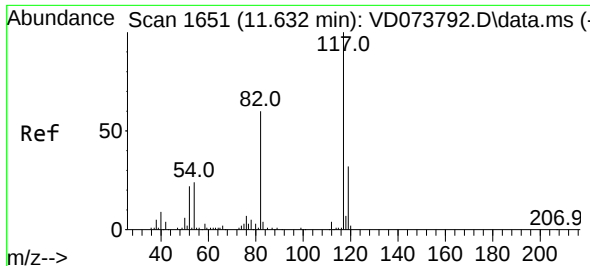
Tgt Ion: 92 Resp: 5874
Ion Ratio Lower Upper
92 100
91 174.0 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 53.668 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 95 Resp: 104565
Ion Ratio Lower Upper
95 100
174 64.0 0.0 132.4
176 60.0 0.0 129.0

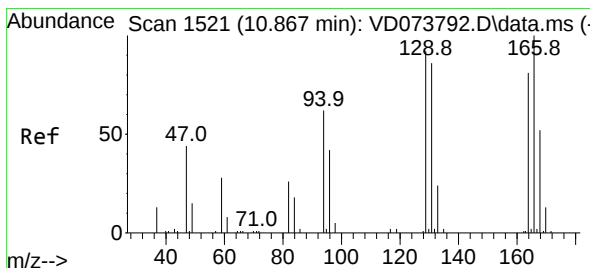
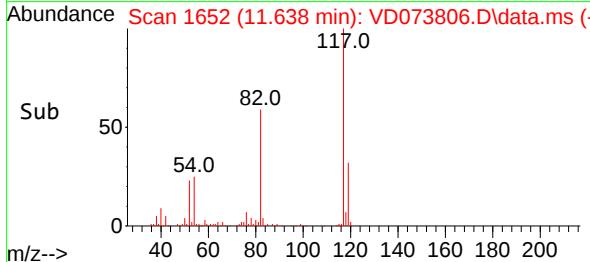
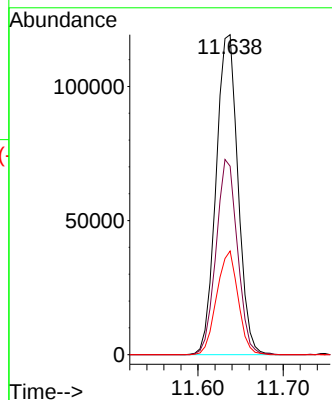
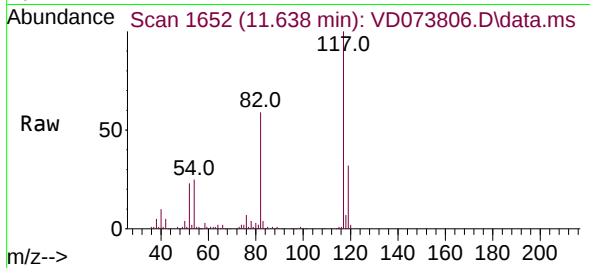




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

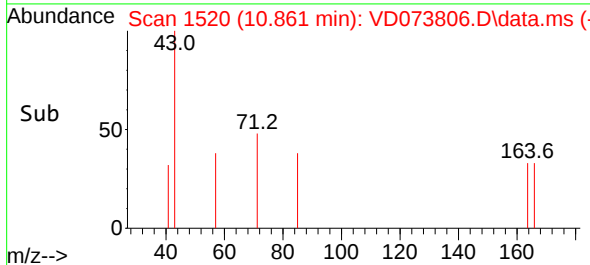
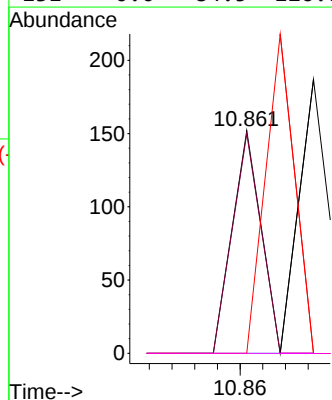
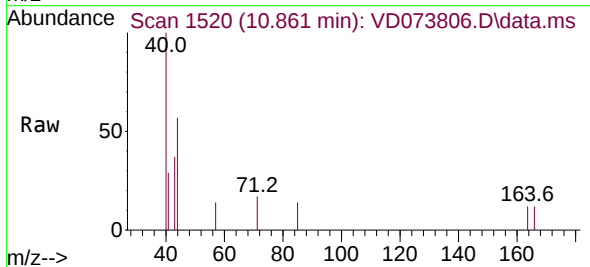
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

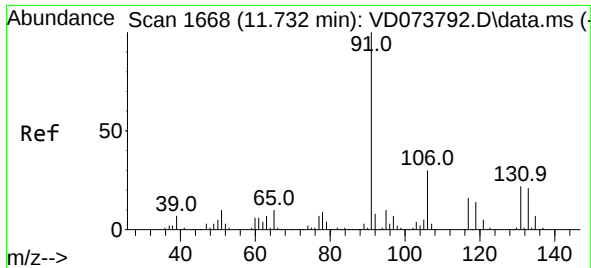
Tgt Ion:117 Resp: 213089
Ion Ratio Lower Upper
117 100
82 58.9 48.2 72.2
119 32.4 25.2 37.8



#64
Tetrachloroethene
Concen: Below Cal
RT: 10.861 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion:164 Resp: 54
Ion Ratio Lower Upper
164 100
166 98.7 98.8 148.2#
129 0.0 91.0 136.4#
131 0.0 84.5 126.7#

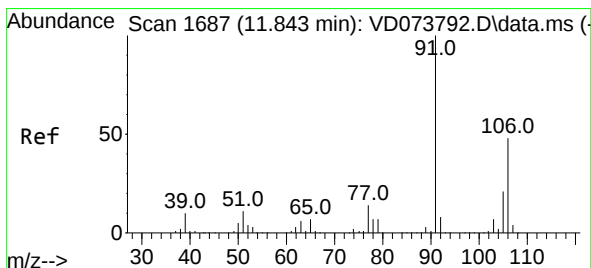
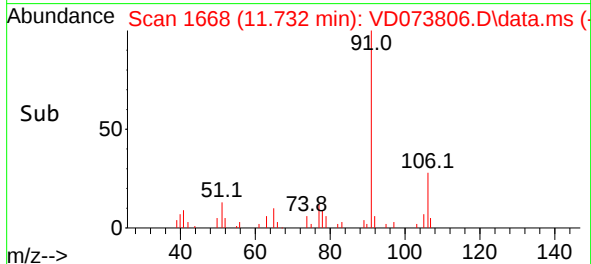
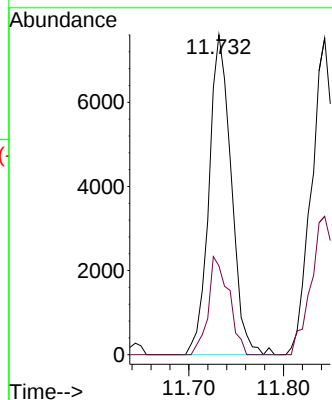
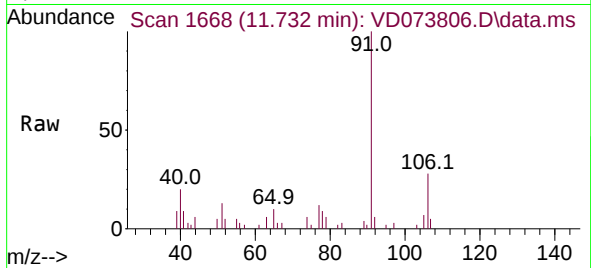




#67
Ethyl Benzene
Concen: 1.684 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

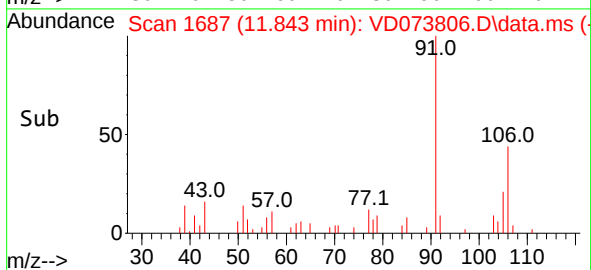
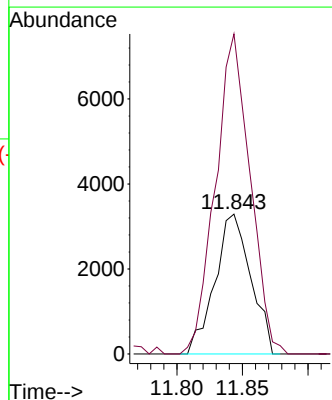
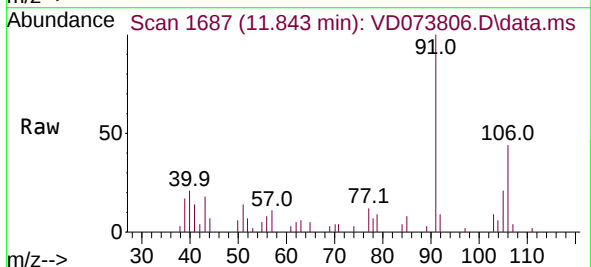
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

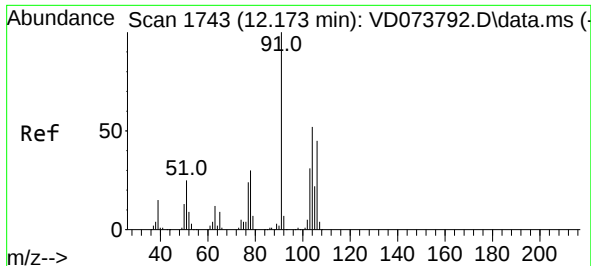
Tgt Ion: 91 Resp: 12431
Ion Ratio Lower Upper
91 100
106 27.8 24.1 36.1



#68
m/p-Xylenes
Concen: 2.241 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 106 Resp: 6257
Ion Ratio Lower Upper
106 100
91 221.1 165.4 248.2

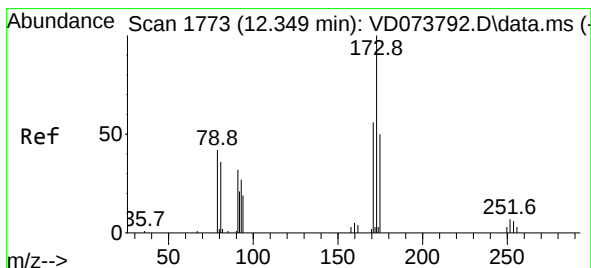
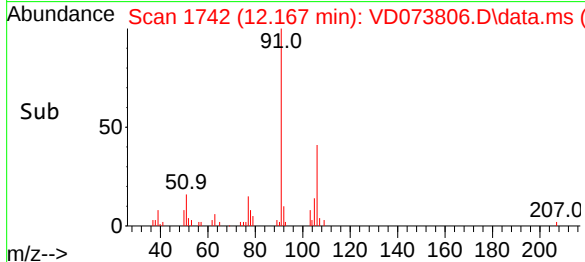
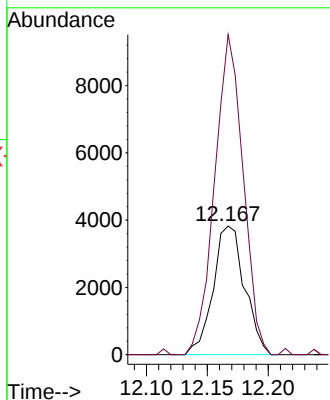
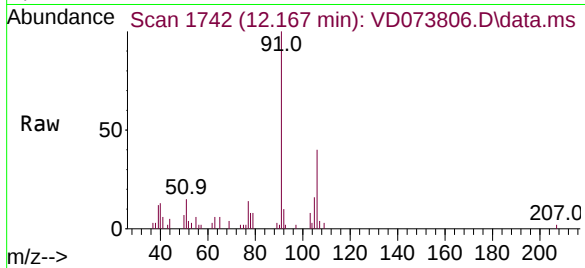




#69
o-Xylene
Concen: 2.562 ug/l
RT: 12.167 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

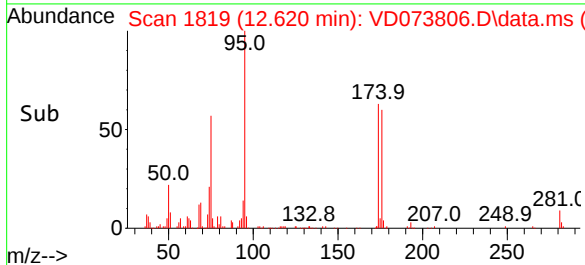
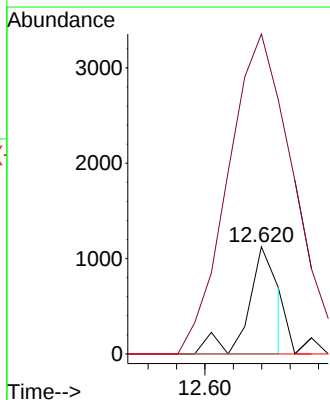
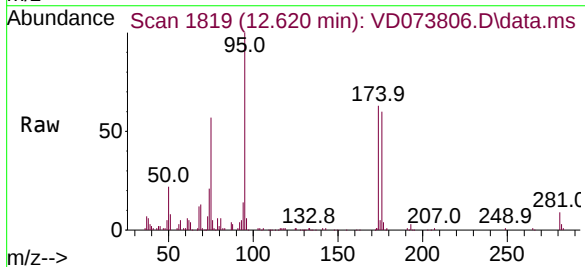
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

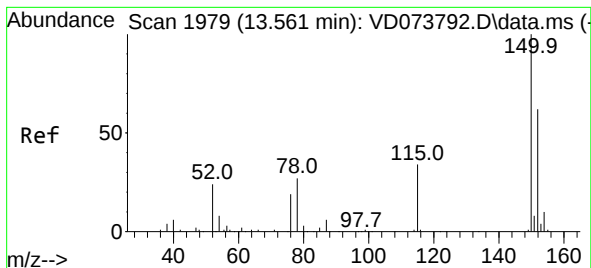
Tgt Ion:106 Resp: 6886
Ion Ratio Lower Upper
106 100
91 225.4 112.3 336.8



#71
Bromoform
Concen: 1.025 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion:173 Resp: 825
Ion Ratio Lower Upper
173 100
175 513.9 23.8 71.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073806.D

Acq: 07 Jul 2022 13:59

Instrument :

MSVOA_D

ClientSampleId :

SB-11B

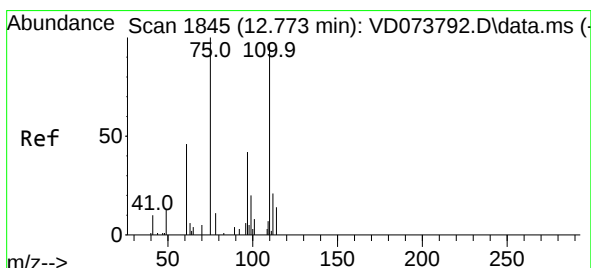
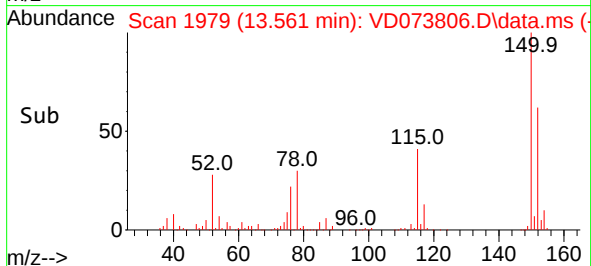
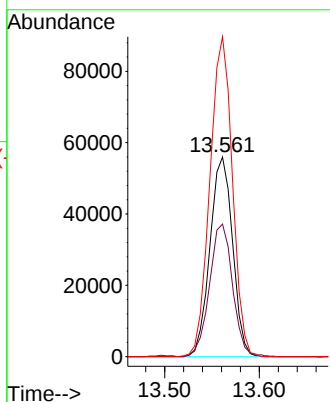
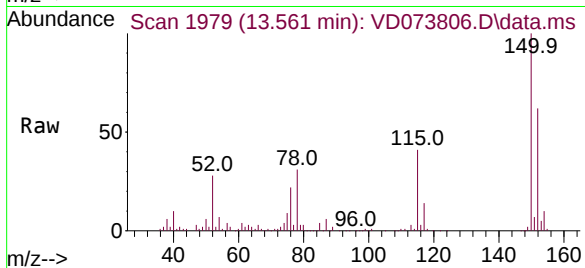
Tgt Ion:152 Resp: 92874

Ion Ratio Lower Upper

152 100

115 67.6 32.2 96.6

150 159.0 0.0 353.0



#76

1,2,3-Trichloropropane

Concen: 58.219 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD073806.D

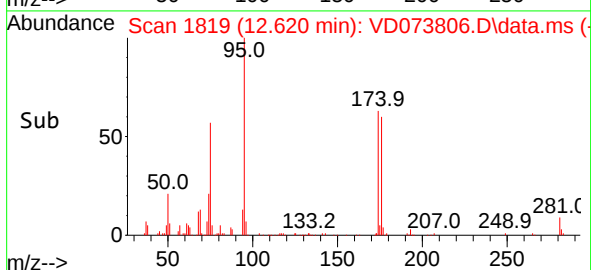
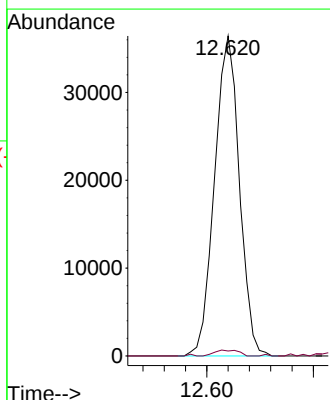
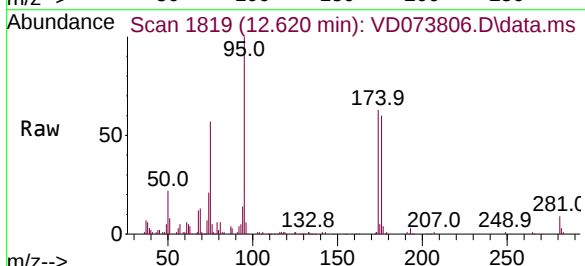
Acq: 07 Jul 2022 13:59

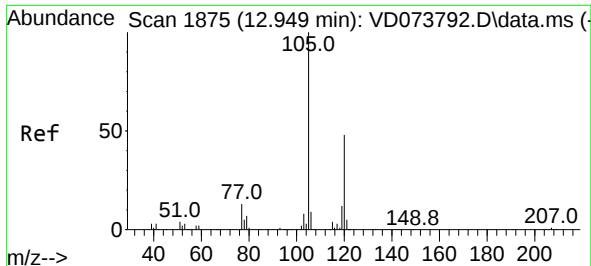
Tgt Ion: 75 Resp: 58870

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

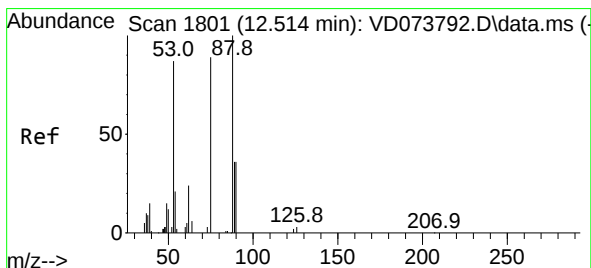
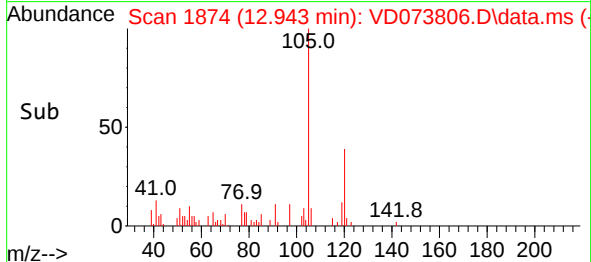
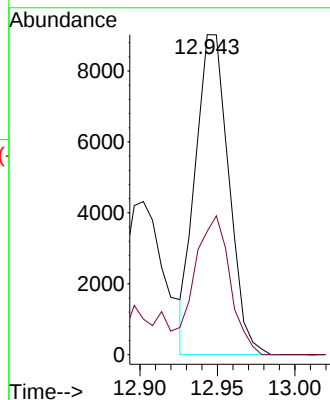
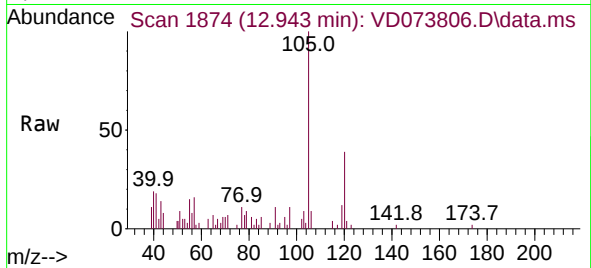




#80
1,3,5-Trimethylbenzene
Concen: 2.267 ug/l
RT: 12.943 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

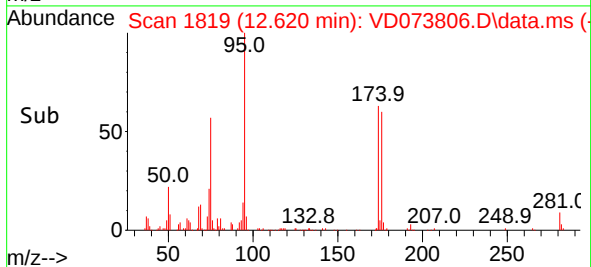
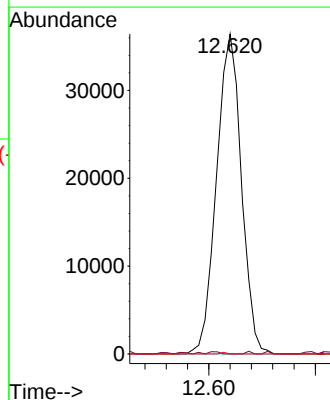
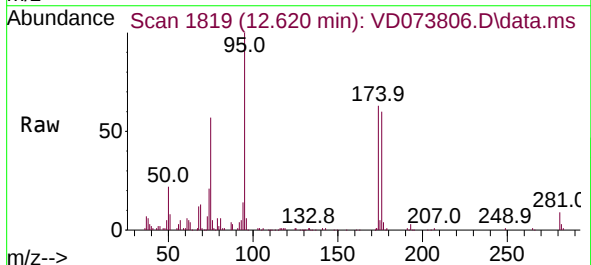
Instrument :
MSVOA_D
ClientSampleId :
SB-11B

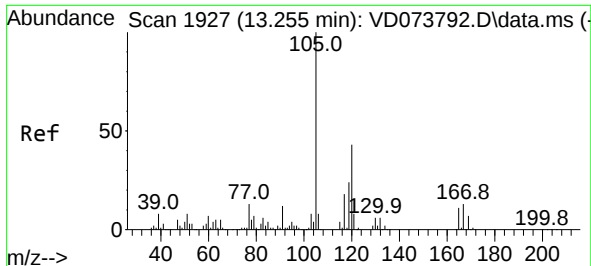
Tgt Ion:105 Resp: 13543
Ion Ratio Lower Upper
105 100
120 46.5 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 130.067 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Tgt Ion: 75 Resp: 58870
Ion Ratio Lower Upper
75 100
53 0.4 77.6 116.4#
89 0.1 37.2 55.8#

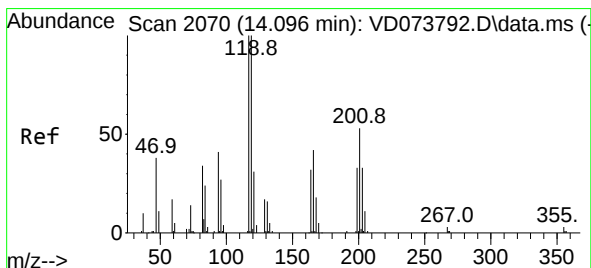
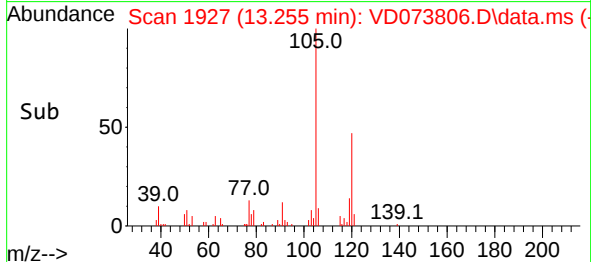
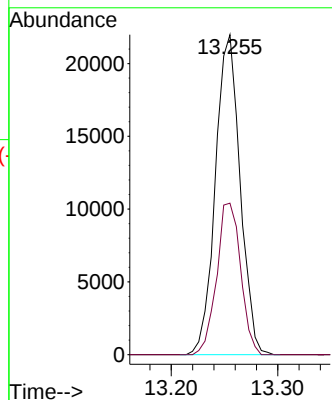
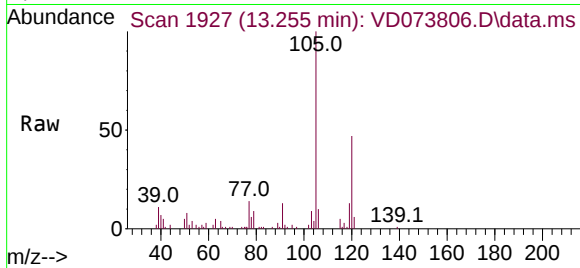




#84
 1,2,4-Trimethylbenzene
 Concen: 5.985 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. 0.000 min
 Lab File: VD073806.D
 Acq: 07 Jul 2022 13:59

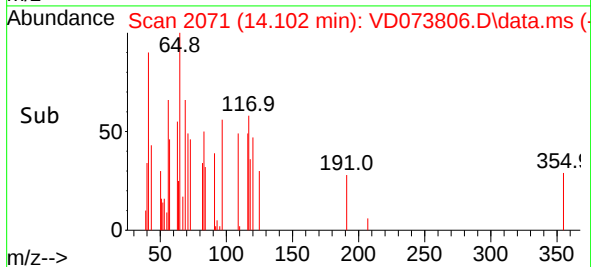
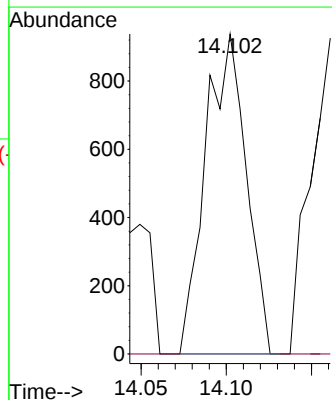
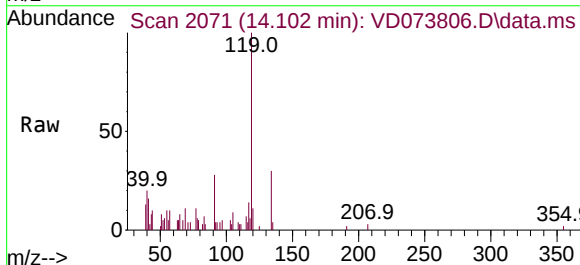
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11B

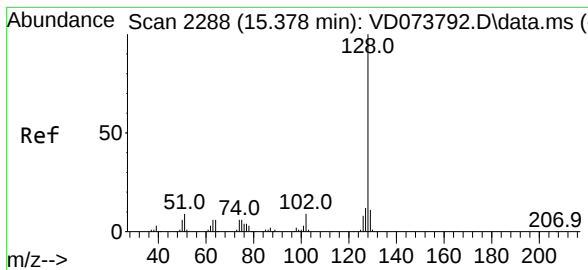
Tgt Ion:105 Resp: 35394
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.1 66.5



#90
 Hexachloroethane
 Concen: 1.200 ug/l
 RT: 14.102 min Scan# 2071
 Delta R.T. 0.006 min
 Lab File: VD073806.D
 Acq: 07 Jul 2022 13:59

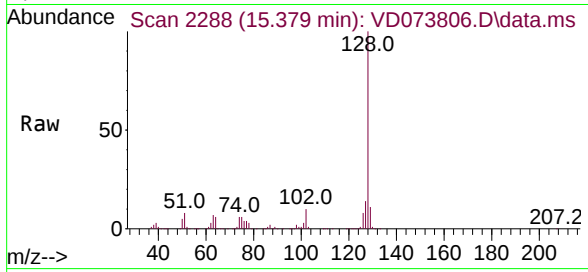
Tgt Ion:117 Resp: 1563
 Ion Ratio Lower Upper
 117 100
 201 0.0 26.6 79.8#





#95
Naphthalene
Concen: 154.819 ug/l
RT: 15.379 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD073806.D
Acq: 07 Jul 2022 13:59

Instrument :
MSVOA_D
ClientSampleId :
SB-11B



Tgt Ion:	128	Resp:	552830
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.8	13.2

