

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073807.D
 Acq On : 07 Jul 2022 14:28
 Operator : VA/SY
 Sample : N3562-11RE
 Misc : 4.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12A

Quant Time: Jul 08 06:32:10 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)

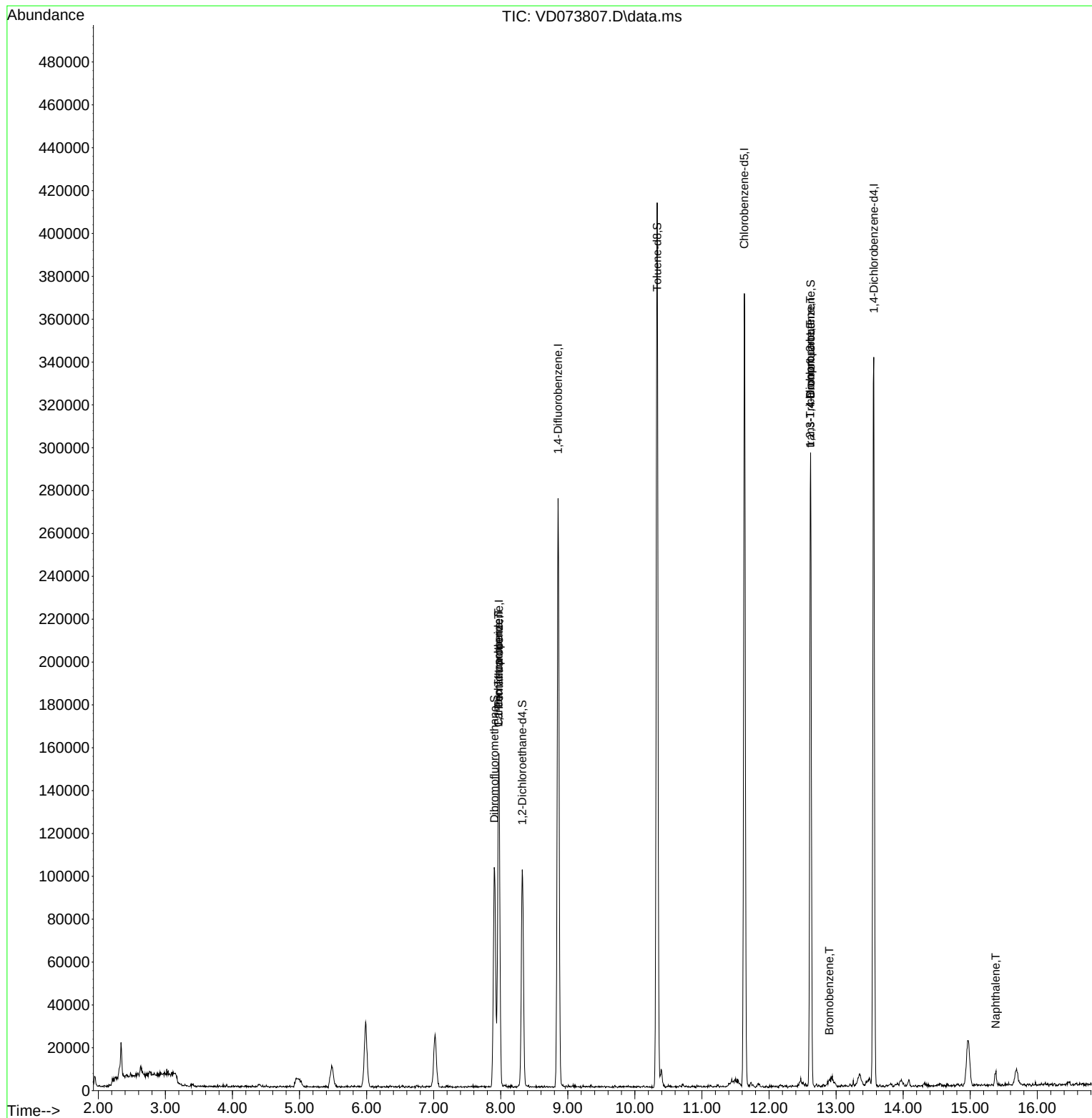
Internal Standards						
1) Pentafluorobenzene	7.973	168	97905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	216047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	195803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	79802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	81947	68.028	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.060%			
35) Dibromofluoromethane	7.903	113	72839	54.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.900%			
50) Toluene-d8	10.332	98	267478	59.562	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 119.120%#			
62) 4-Bromofluorobenzene	12.620	95	92813	50.281	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 100.560%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	496	Below Cal	#	58
4) Vinyl Chloride	2.344	62	65	Below Cal	#	45
5) Bromomethane	2.774	94	764	Below Cal		85
16) Acetone	4.156	43	343	Below Cal	#	48
17) Carbon Disulfide	4.397	76	2065	Below Cal	#	76
18) Methyl Acetate	4.926	43	153	Below Cal	#	53
20) Methylene Chloride	4.944	84	1226	Below Cal	#	68
31) Cyclohexane	7.962	56	3440	Below Cal	#	37
36) 1,1-Dichloropropene	7.967	75	10290	6.067	ug/l #	50
38) Carbon Tetrachloride	7.967	117	12442	6.453	ug/l #	14
64) Tetrachloroethene	10.873	164	56	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.614	75	52524	60.452	ug/l #	100
77) Bromobenzene	12.897	156	2275	1.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.614	75	52524	135.055	ug/l #	11
95) Naphthalene	15.379	128	5355	1.745	ug/l #	94

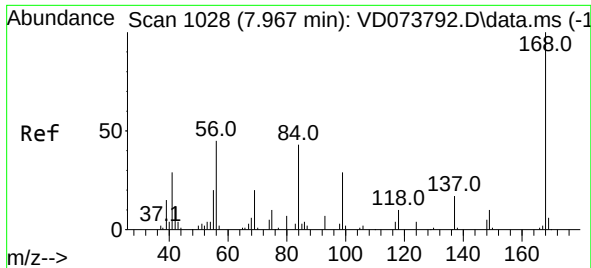
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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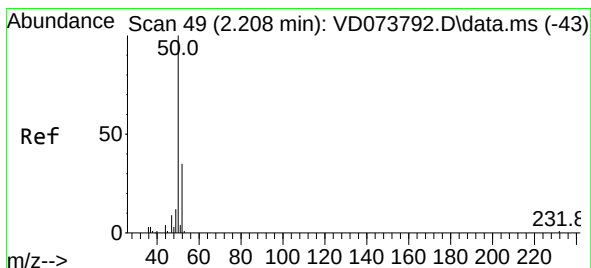
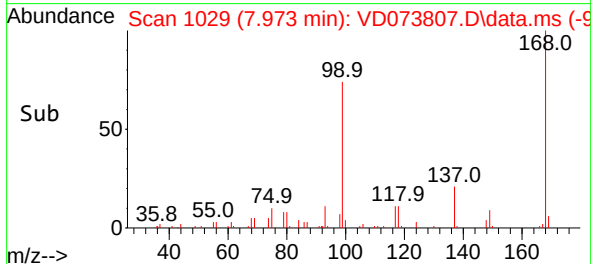
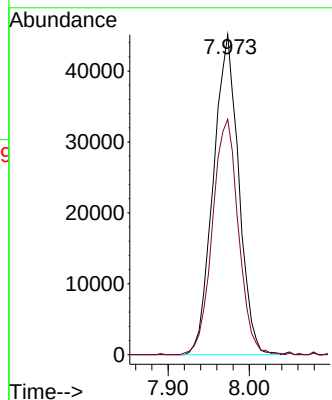
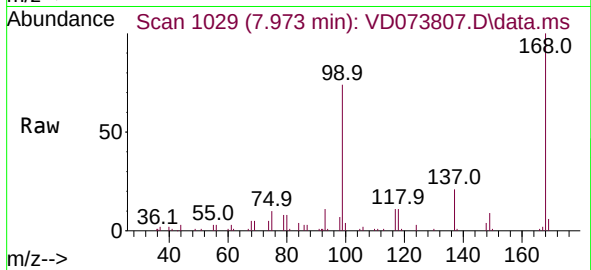




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

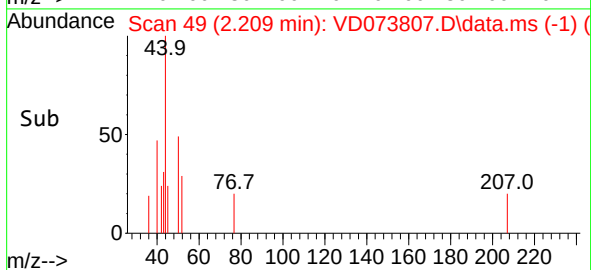
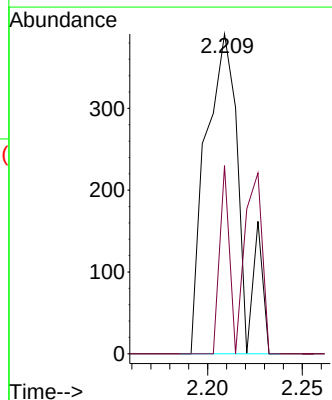
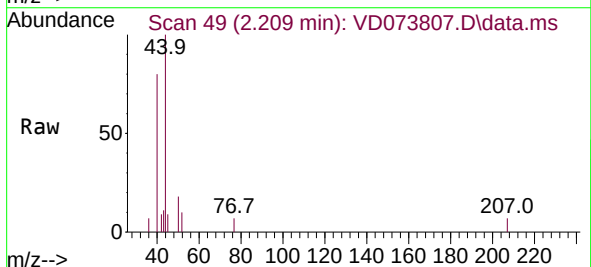
Instrument :
MSVOA_D
ClientSampleId :
SB-12A

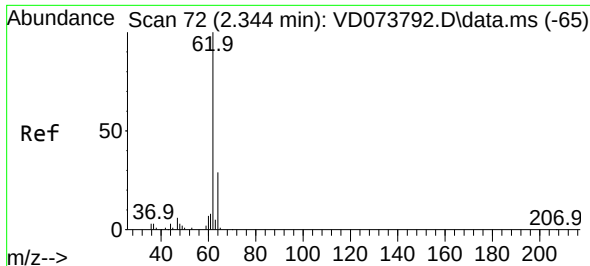
Tgt Ion:168 Resp: 97905
Ion Ratio Lower Upper
168 100
99 73.5 58.4 87.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. 0.001 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion: 50 Resp: 496
Ion Ratio Lower Upper
50 100
52 58.8 27.8 41.6#

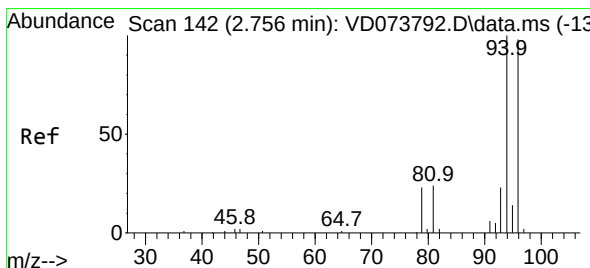
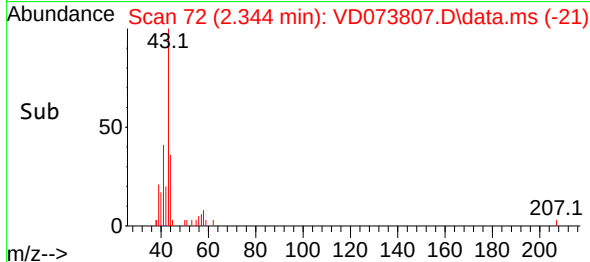
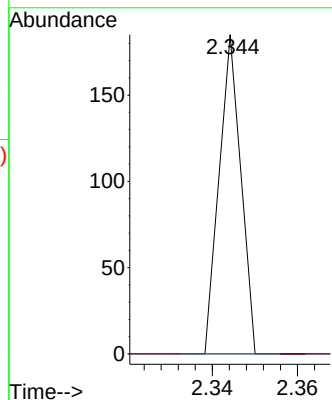
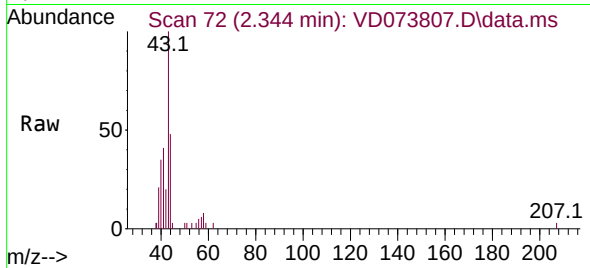




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.344 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VD073807.D
 Acq: 07 Jul 2022 14:28

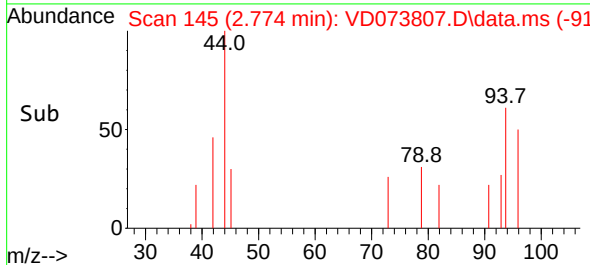
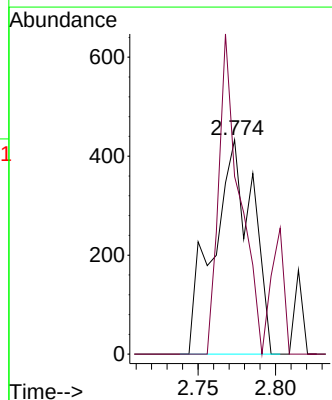
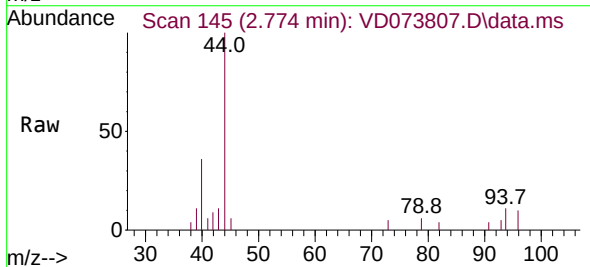
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12A

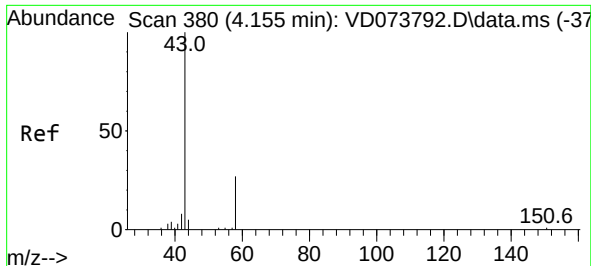
Tgt Ion: 62 Resp: 65
 Ion Ratio Lower Upper
 62 100
 64 0.0 23.4 35.2#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.774 min Scan# 145
 Delta R.T. 0.018 min
 Lab File: VD073807.D
 Acq: 07 Jul 2022 14:28

Tgt Ion: 94 Resp: 764
 Ion Ratio Lower Upper
 94 100
 96 82.9 78.3 117.5

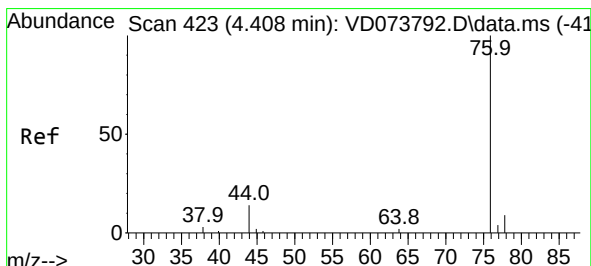
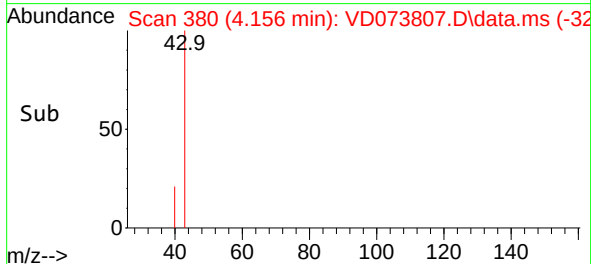
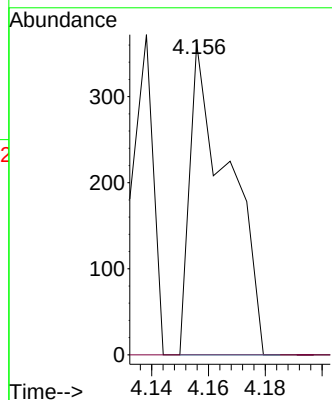
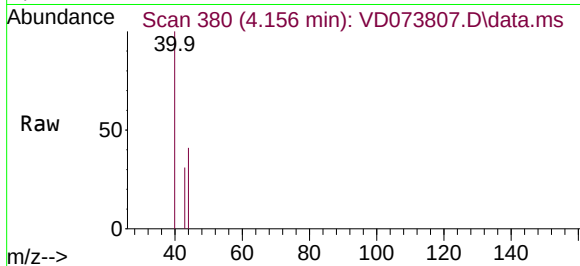




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 31
Delta R.T. 0.001 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

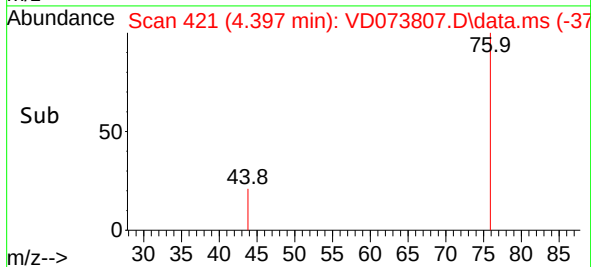
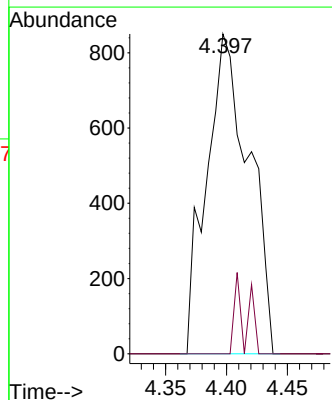
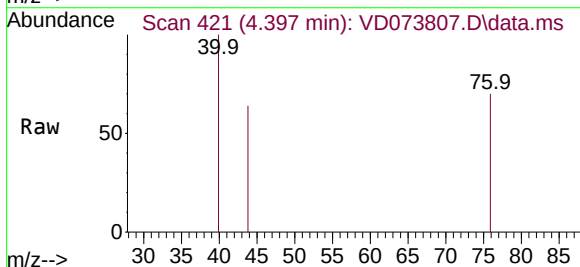
Instrument :
MSVOA_D
ClientSampleId :
SB-12A

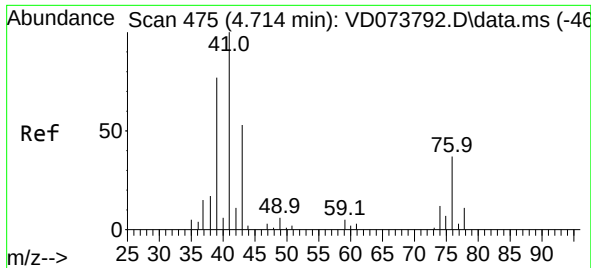
Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
58 0.0 21.3 31.9#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.011 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion: 76 Resp: 2065
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

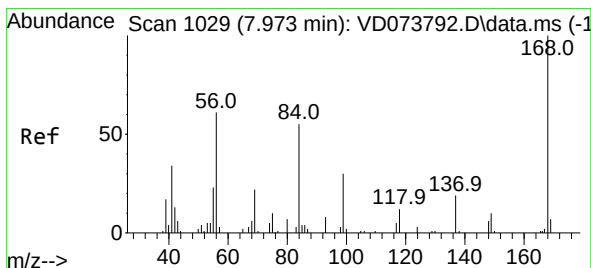
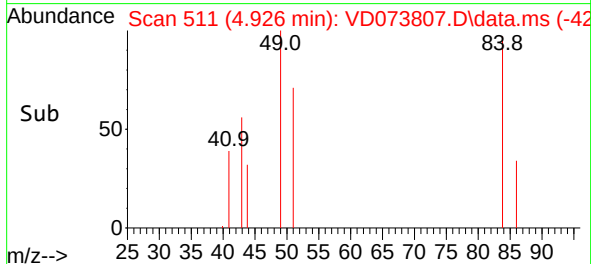
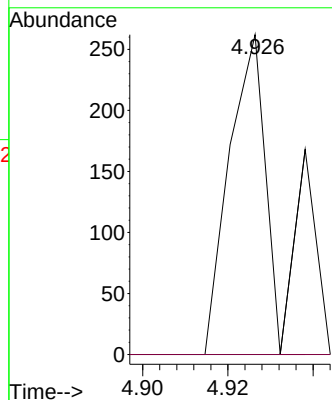
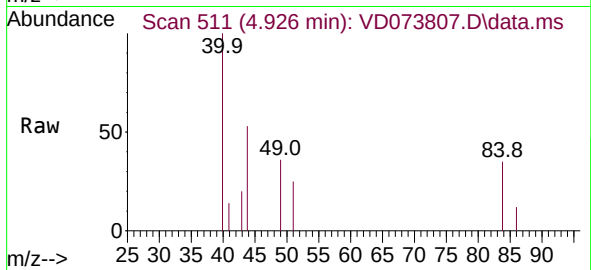




#18
Methyl Acetate
Concen: Below Cal
RT: 4.926 min Scan# 511
Delta R.T. 0.212 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

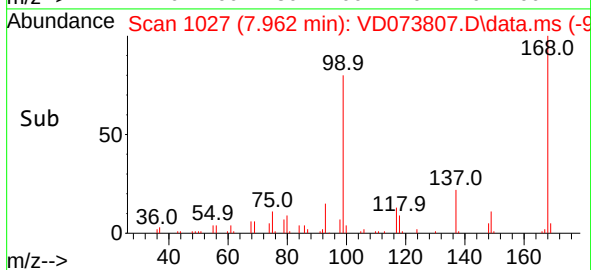
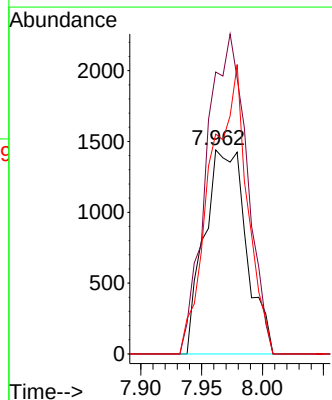
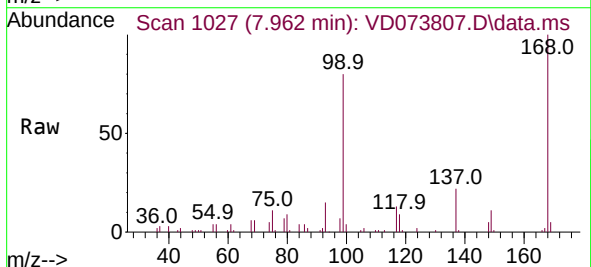
Instrument :
MSVOA_D
ClientSampleId :
SB-12A

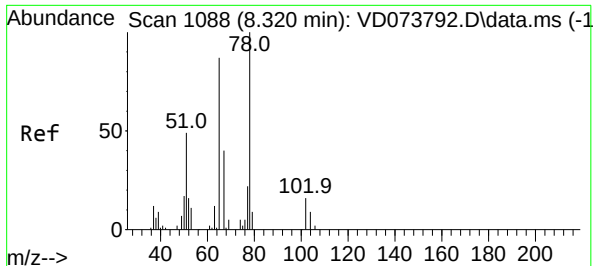
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.962 min Scan# 1027
Delta R.T. -0.011 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion: 56 Resp: 3440
Ion Ratio Lower Upper
56 100
69 138.2 29.4 44.2#
84 107.8 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 68.028 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073807.D

Acq: 07 Jul 2022 14:28

Instrument :

MSVOA_D

ClientSampleId :

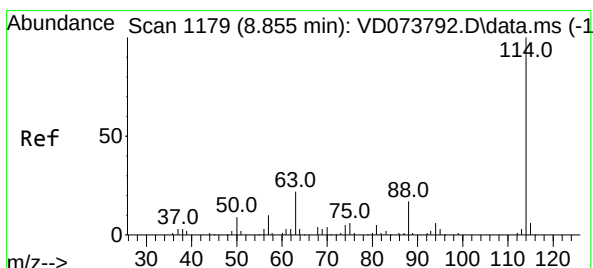
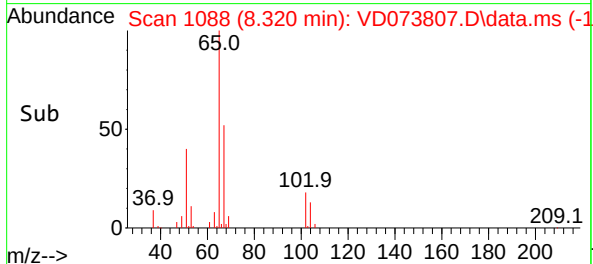
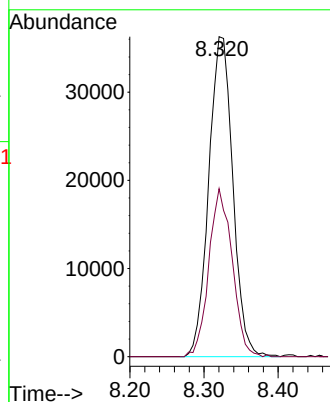
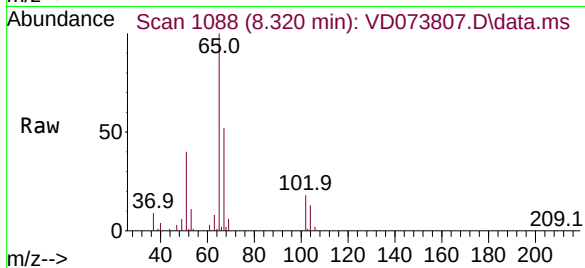
SB-12A

Tgt Ion: 65 Resp: 81947

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073807.D

Acq: 07 Jul 2022 14:28

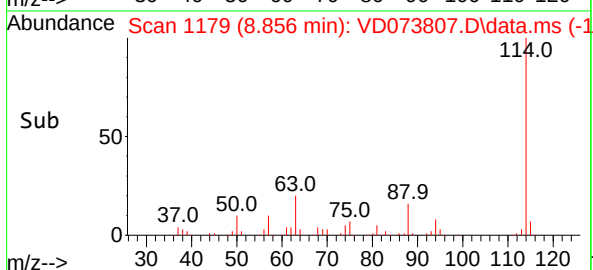
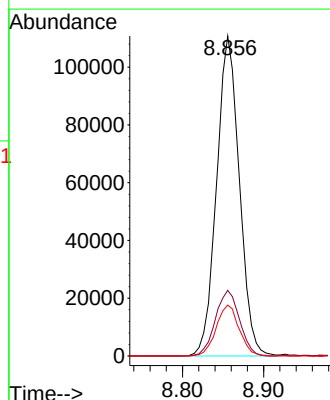
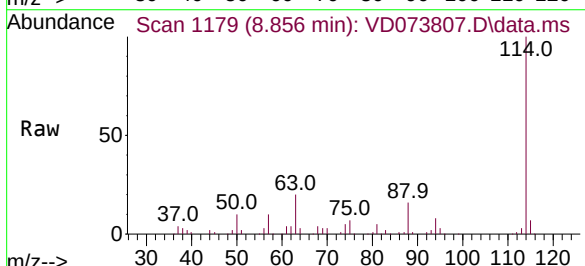
Tgt Ion: 114 Resp: 216047

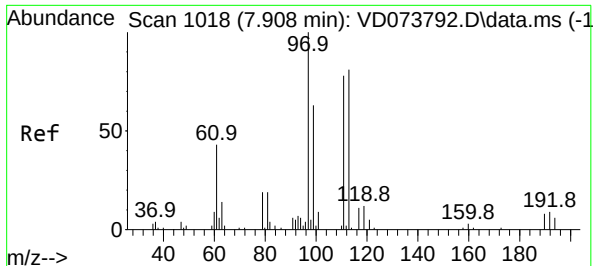
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 15.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 54.947 ug/l

RT: 7.903 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073807.D

Acq: 07 Jul 2022 14:28

Instrument :

MSVOA_D

ClientSampleId :

SB-12A

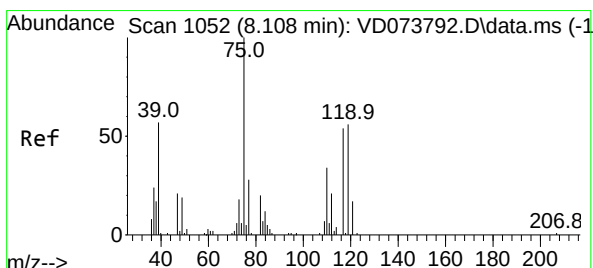
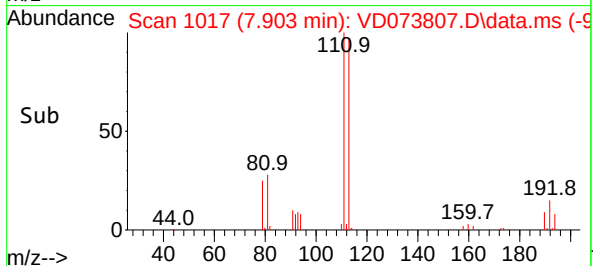
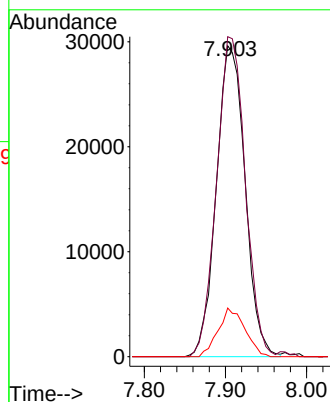
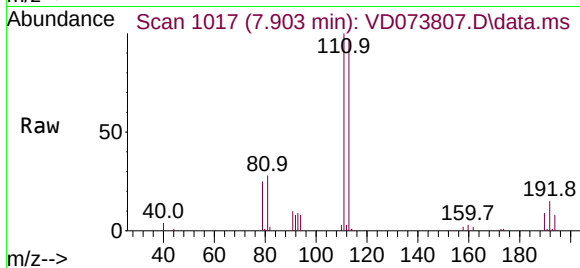
Tgt Ion:113 Resp: 72839

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

192 14.6 11.7 17.5



#36

1,1-Dichloropropene

Concen: 6.067 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073807.D

Acq: 07 Jul 2022 14:28

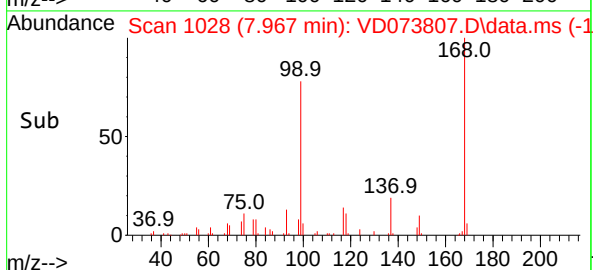
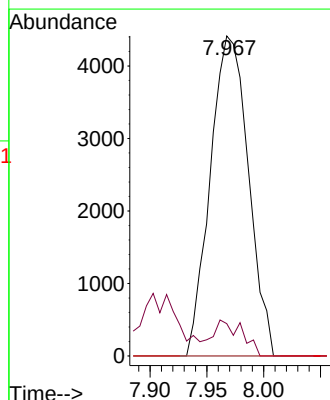
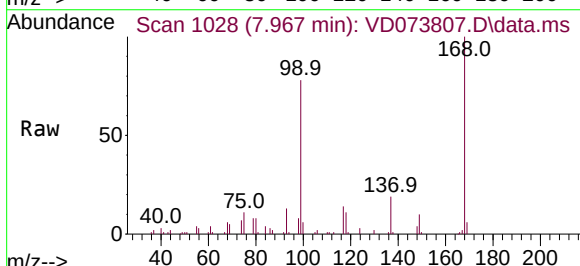
Tgt Ion: 75 Resp: 10290

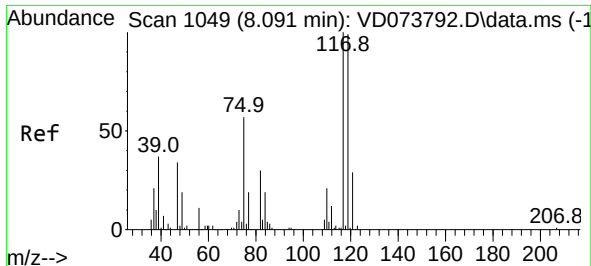
Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

77 0.0 24.8 37.2#

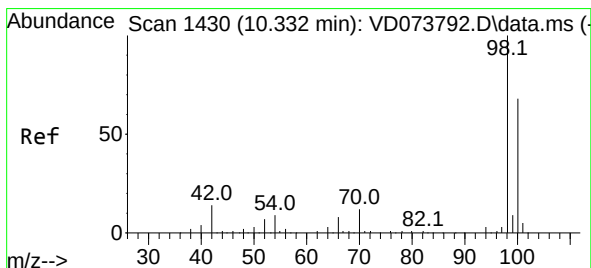
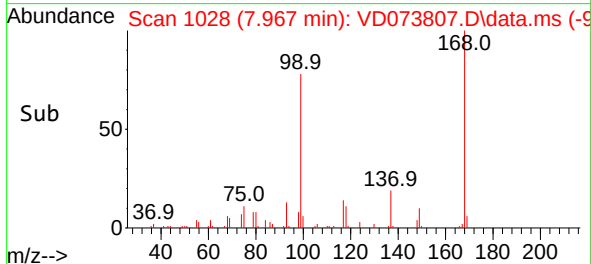
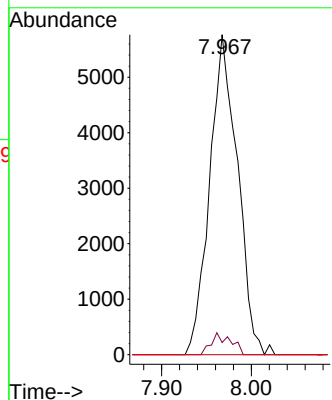
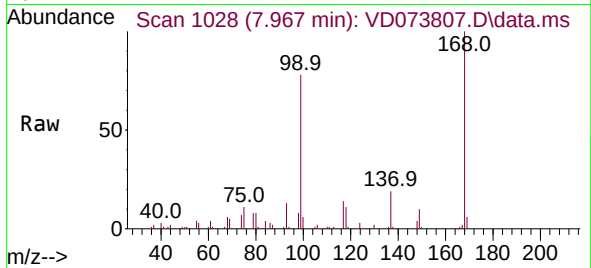




#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

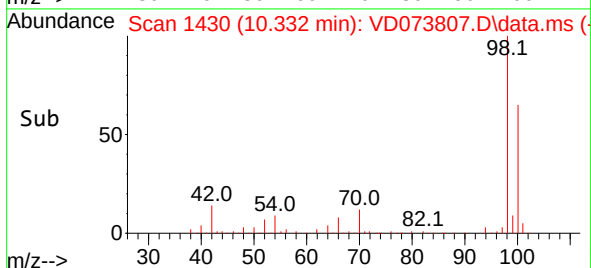
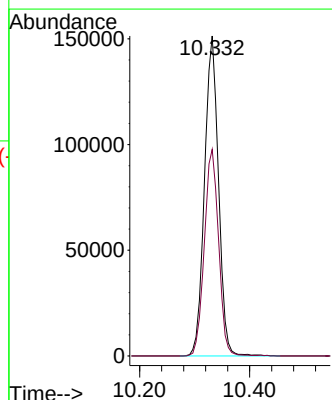
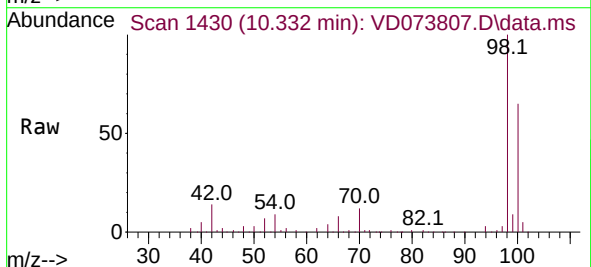
Instrument :
MSVOA_D
ClientSampleId :
SB-12A

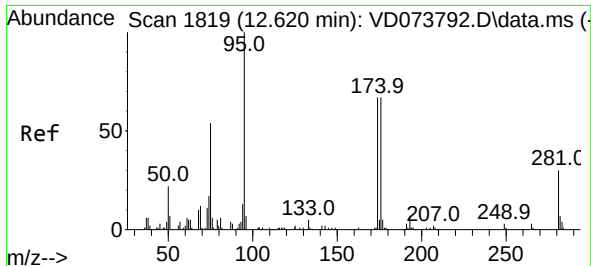
Tgt Ion:117 Resp: 12442
Ion Ratio Lower Upper
117 100
119 3.8 79.3 118.9#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 59.562 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion: 98 Resp: 267478
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

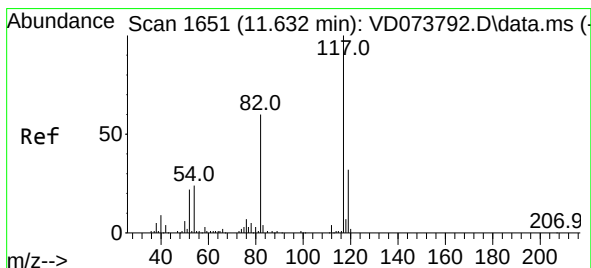
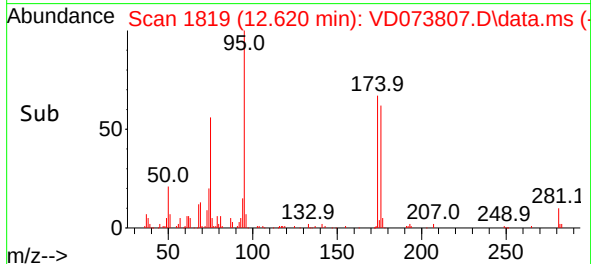
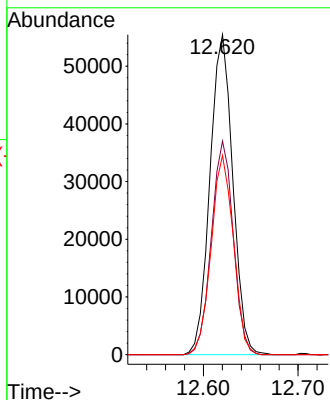
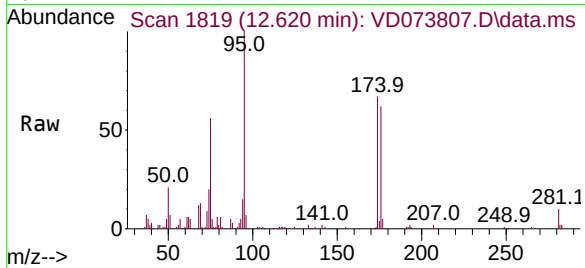




#62
4-Bromofluorobenzene
Concen: 50.281 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

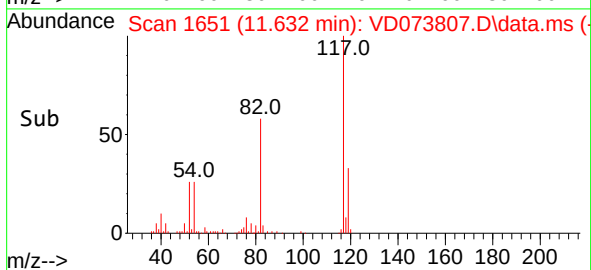
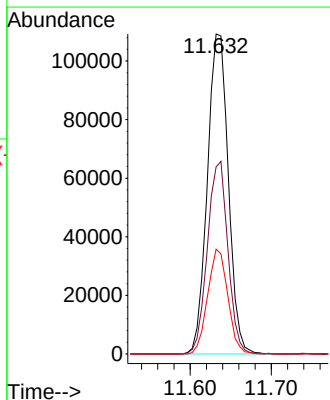
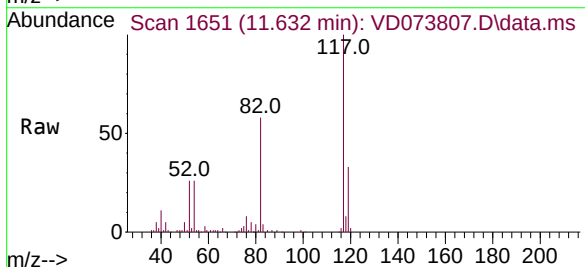
Instrument :
MSVOA_D
ClientSampleId :
SB-12A

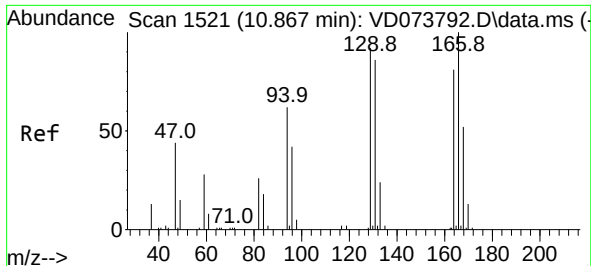
Tgt Ion: 95 Resp: 92813
Ion Ratio Lower Upper
95 100
174 64.0 0.0 132.4
176 60.7 0.0 129.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion: 117 Resp: 195803
Ion Ratio Lower Upper
117 100
82 58.5 48.2 72.2
119 32.8 25.2 37.8

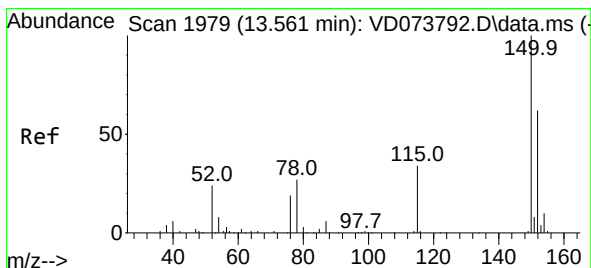
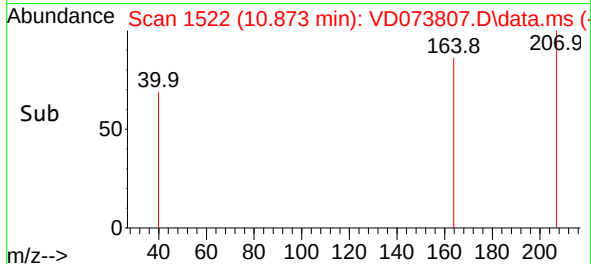
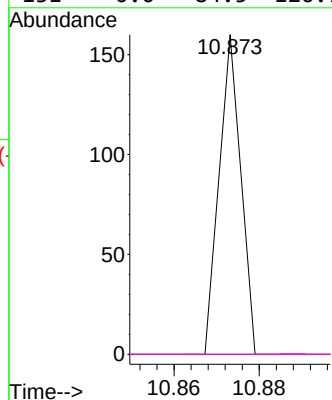
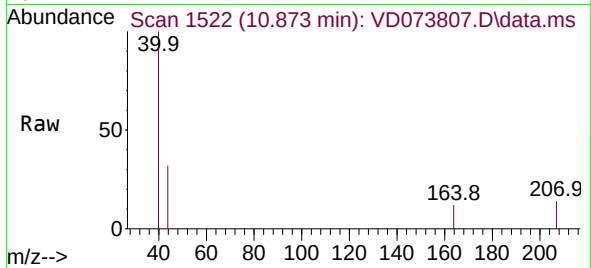




#64
Tetrachloroethene
Concen: Below Cal
RT: 10.873 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

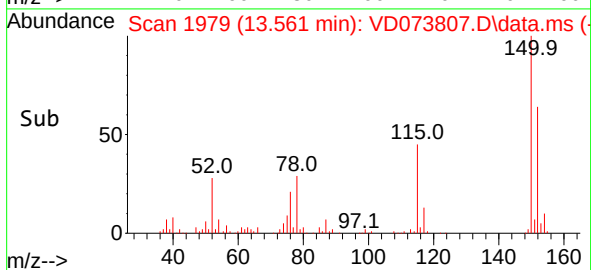
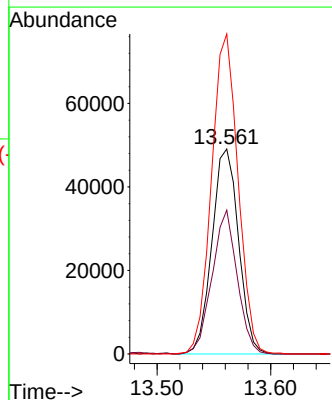
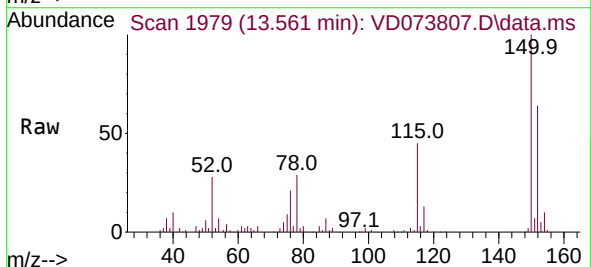
Instrument :
MSVOA_D
ClientSampleId :
SB-12A

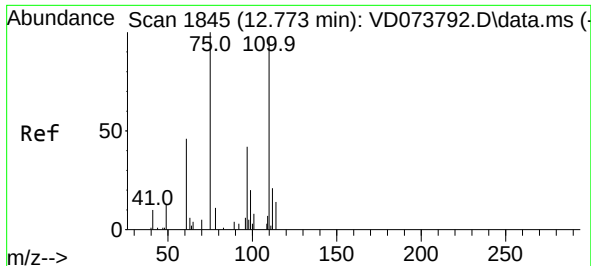
Tgt Ion:164 Resp: 56
Ion Ratio Lower Upper
164 100
166 0.0 98.8 148.2#
129 0.0 91.0 136.4#
131 0.0 84.5 126.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion:152 Resp: 79802
Ion Ratio Lower Upper
152 100
115 66.4 32.2 96.6
150 155.7 0.0 353.0

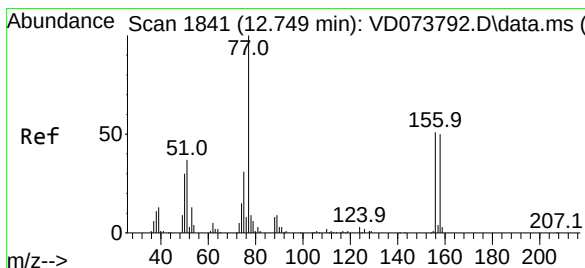
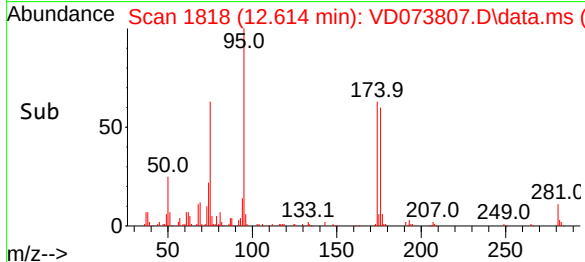
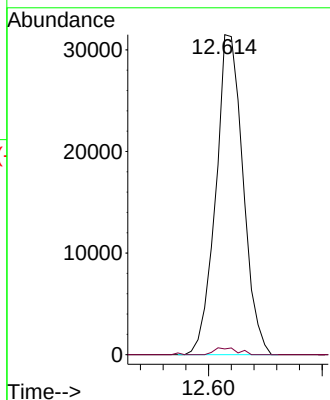
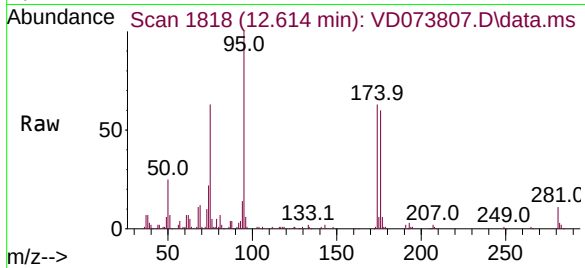




#76
1,2,3-Trichloropropane
Concen: 60.452 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.158 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

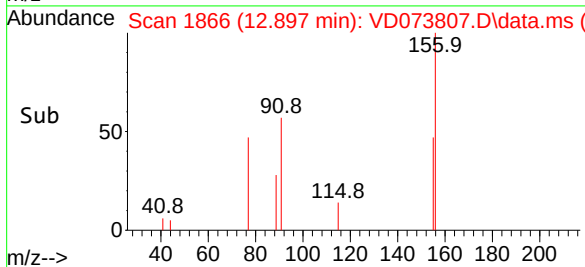
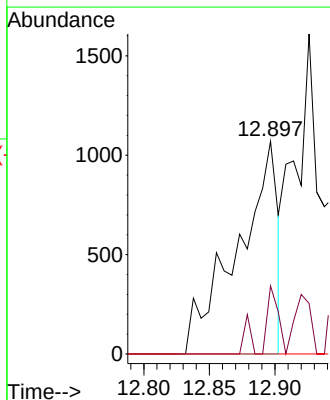
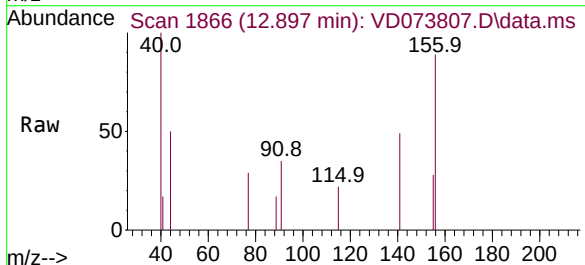
Instrument :
MSVOA_D
ClientSampleId :
SB-12A

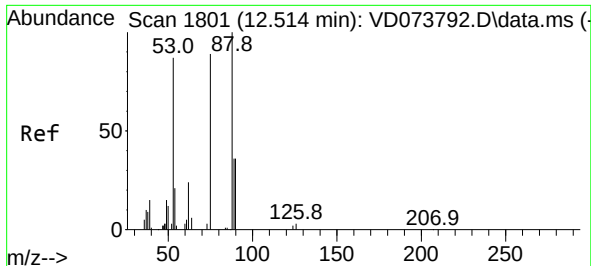
Tgt Ion: 75 Resp: 52524
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#77
Bromobenzene
Concen: 1.779 ug/l
RT: 12.897 min Scan# 1866
Delta R.T. 0.147 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion: 156 Resp: 2275
Ion Ratio Lower Upper
156 100
77 8.6 110.8 332.4#
158 0.0 49.1 147.3#

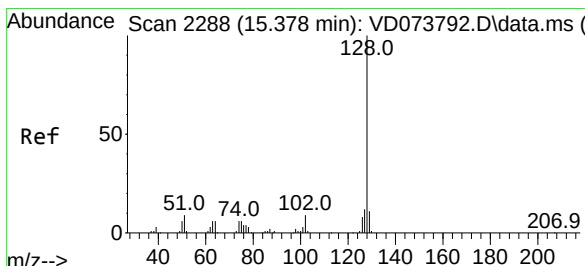
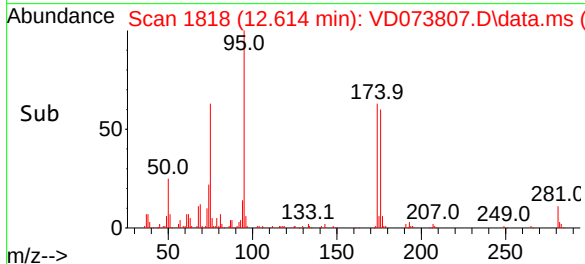
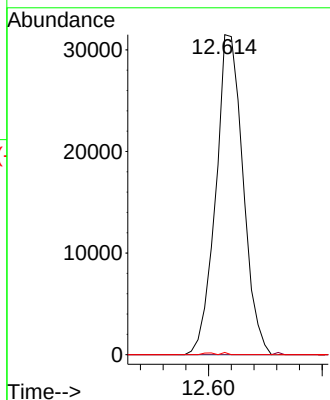
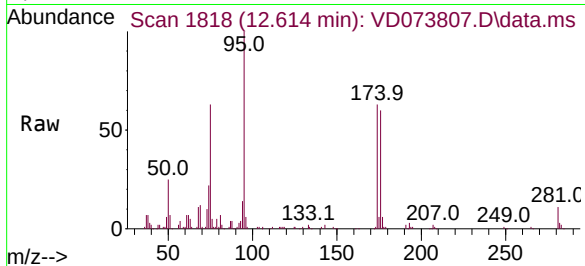




#81
trans-1,4-Dichloro-2-butene
Concen: 135.055 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Instrument :
MSVOA_D
ClientSampleId :
SB-12A

Tgt Ion: 75 Resp: 52524
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.2 37.2 55.8#



#95
Naphthalene
Concen: 1.745 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. 0.000 min
Lab File: VD073807.D
Acq: 07 Jul 2022 14:28

Tgt Ion: 128 Resp: 5355
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 7.0 8.8 13.2#

