

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073801.D
 Acq On : 07 Jul 2022 10:47
 Operator : VA/SY
 Sample : VD0707SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBL01

Quant Time: Jul 08 06:28:49 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)

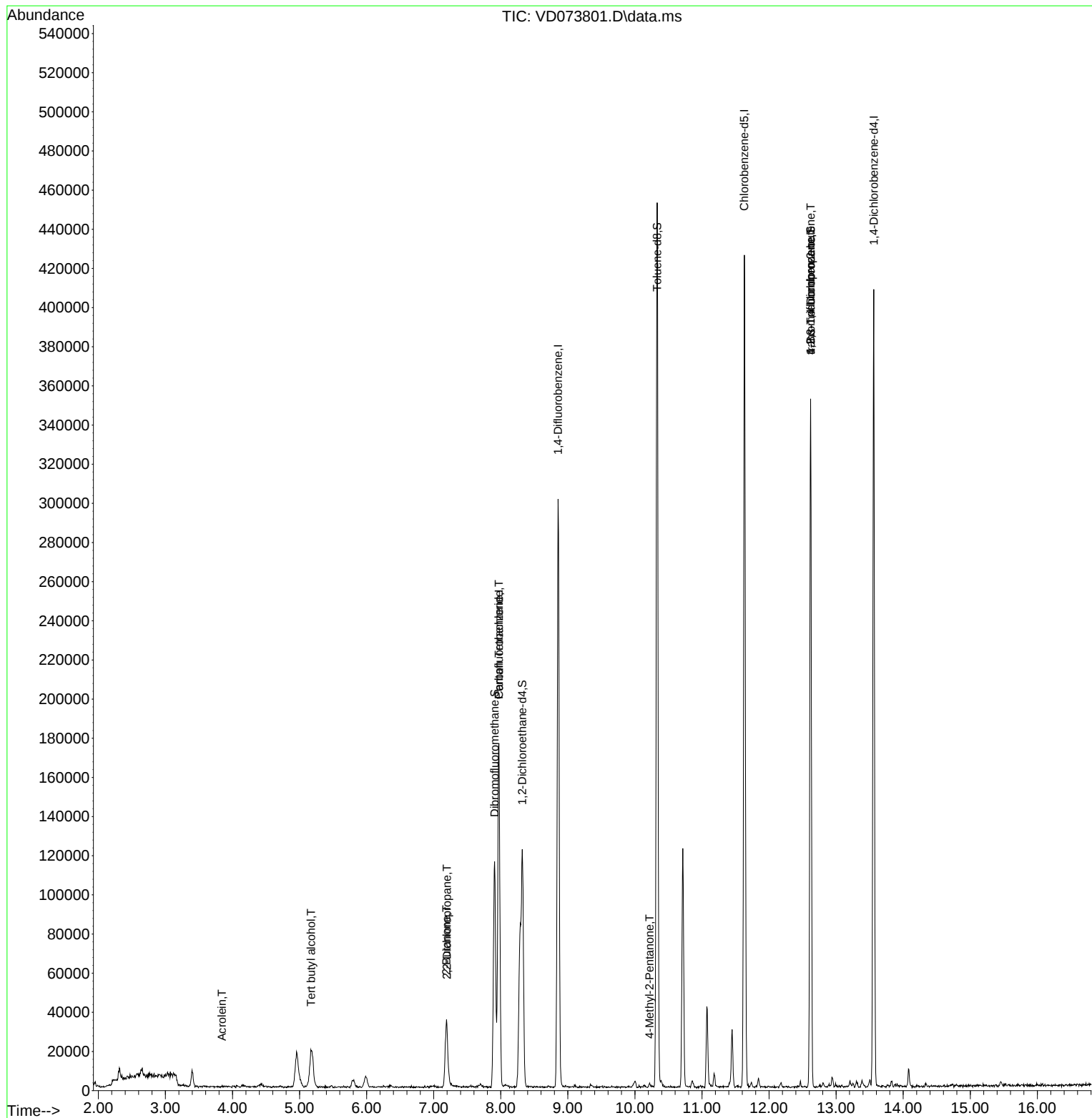
Internal Standards						
1) Pentafluorobenzene	7.973	168	113905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	241666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	222973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	94424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	90205	64.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.720%	
35) Dibromofluoromethane	7.908	113	81088	54.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.360%	
50) Toluene-d8	10.332	98	296723	59.070	ug/l	0.00
Spiked Amount	50.000	Range	78 - 12	Recovery	= 118.140%#	
62) 4-Bromofluorobenzene	12.620	95	108233	52.419	ug/l	0.00
Spiked Amount	50.000	Range	50 - 14	Recovery	= 104.840%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	291	Below Cal	#	42
3) Chloromethane	2.209	50	707	Below Cal		93
4) Vinyl Chloride	2.350	62	600	Below Cal	#	45
5) Bromomethane	2.762	94	746	Below Cal		84
11) Tert butyl alcohol	5.173	59	19318	40.385	ug/l #	91
13) Acrolein	3.844	56	71	21.534	ug/l #	15
16) Acetone	4.162	43	1961	Below Cal	#	86
17) Carbon Disulfide	4.397	76	2106	Below Cal	#	76
18) Methyl Acetate	4.785	43	56	Below Cal	#	53
20) Methylene Chloride	4.962	84	12405	Below Cal		97
25) 2-Butanone	7.191	43	1485	3.225	ug/l #	52
26) 2,2-Dichloropropane	7.197	77	2610	1.096	ug/l #	54
31) Cyclohexane	7.967	56	4280	Below Cal	#	60
38) Carbon Tetrachloride	7.973	117	13682	6.344	ug/l #	15
51) 4-Methyl-2-Pentanone	10.220	43	1524	1.280	ug/l	91
64) Tetrachloroethene	10.861	164	58	Below Cal	#	11
76) 1,2,3-Trichloropropane	12.620	75	61116	59.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	61116	132.812	ug/l #	11

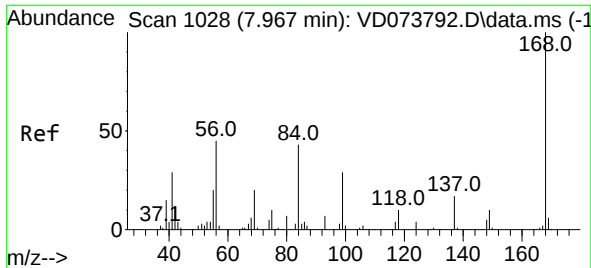
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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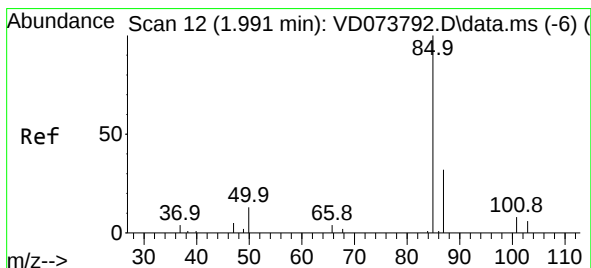
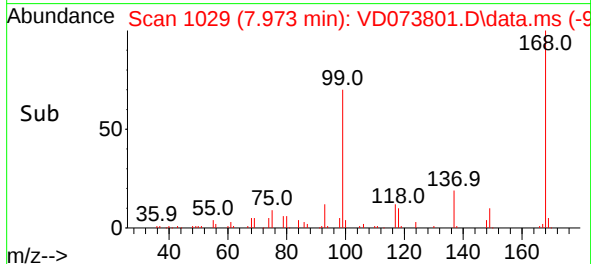
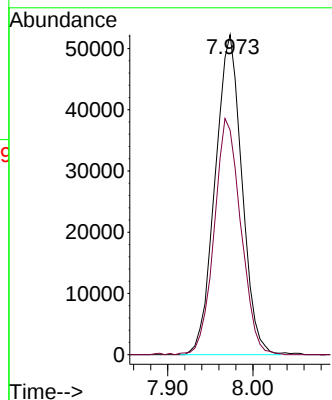
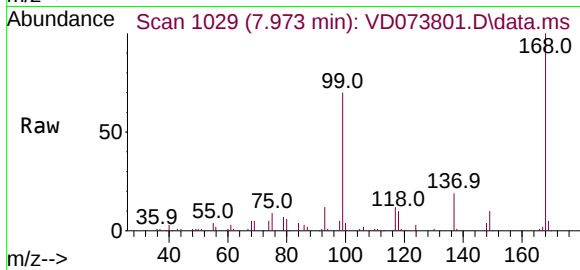




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

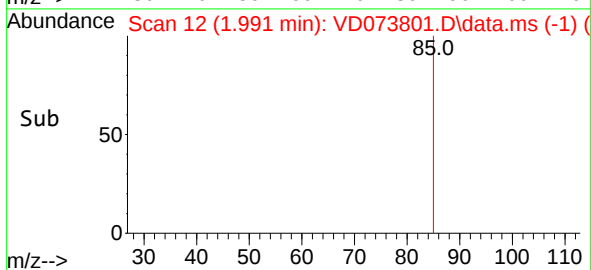
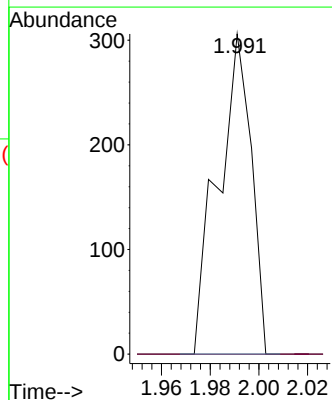
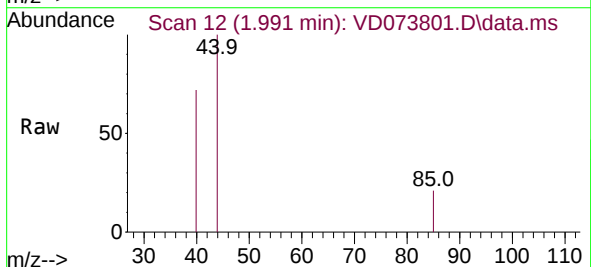
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

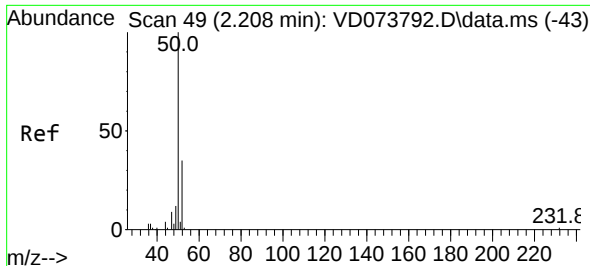
Tgt Ion:168 Resp: 113905
Ion Ratio Lower Upper
168 100
99 69.8 58.4 87.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion: 85 Resp: 291
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.5#

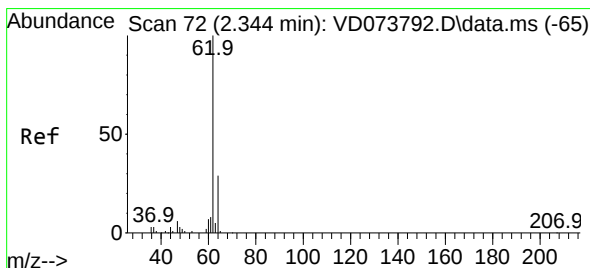
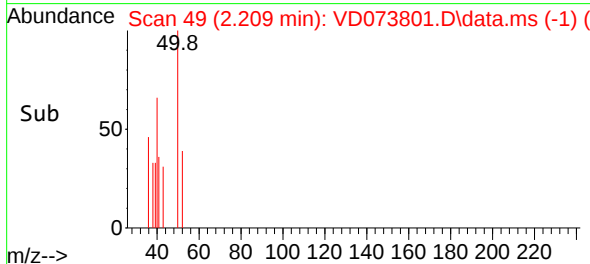
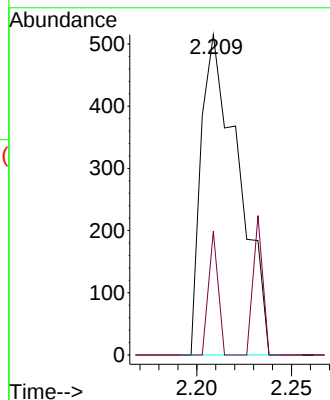
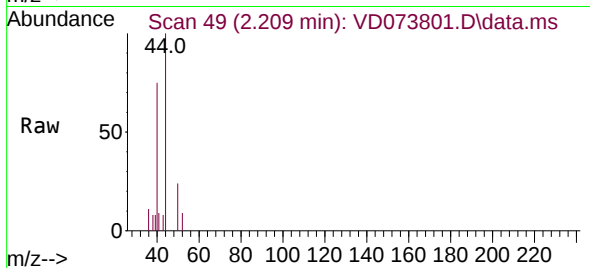




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. 0.001 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

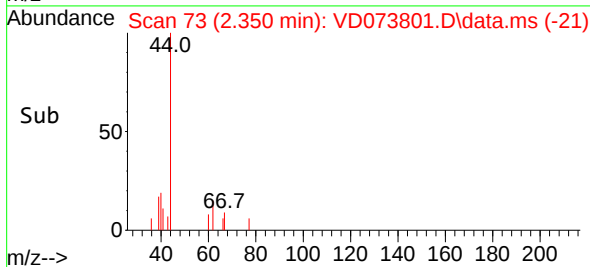
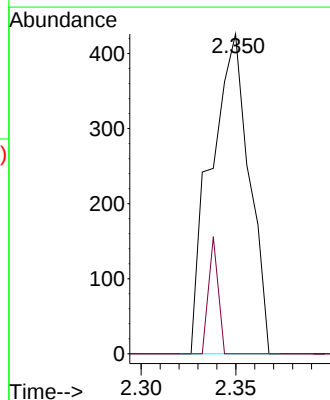
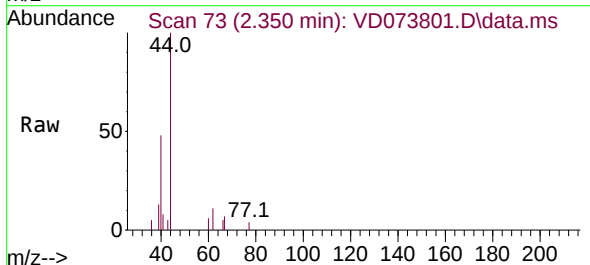
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

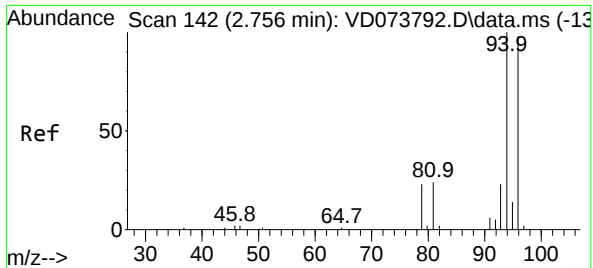
Tgt Ion: 50 Resp: 707
Ion Ratio Lower Upper
50 100
52 38.6 27.8 41.6



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion: 62 Resp: 600
Ion Ratio Lower Upper
62 100
64 0.0 23.4 35.2#

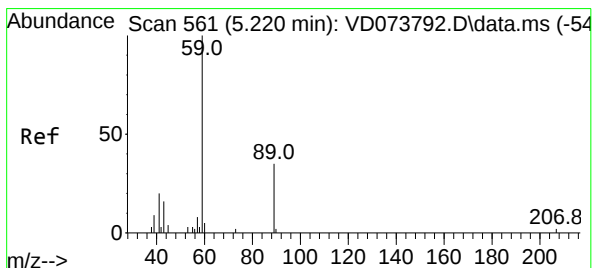
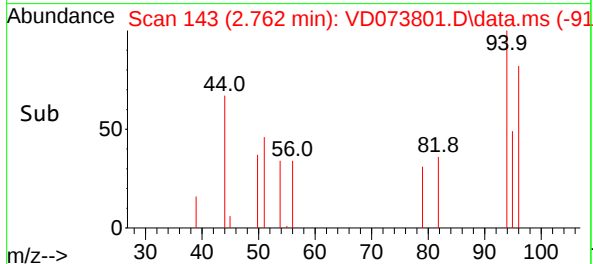
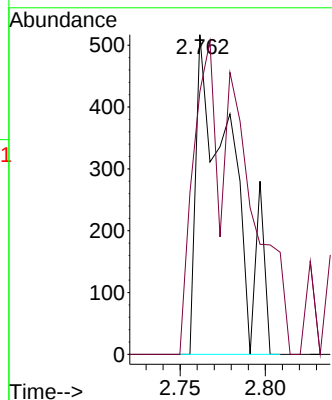
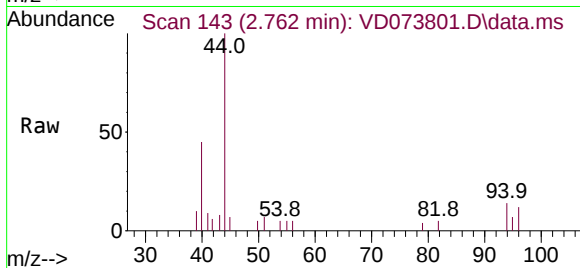




#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

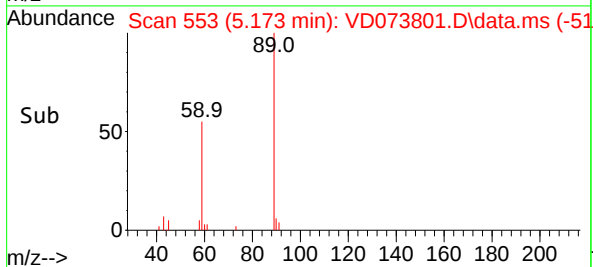
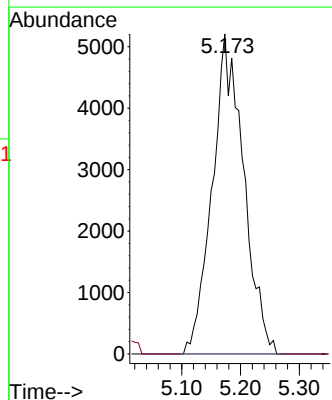
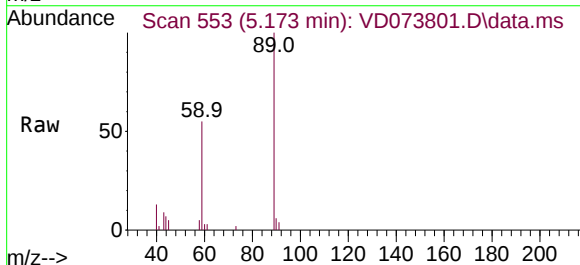
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

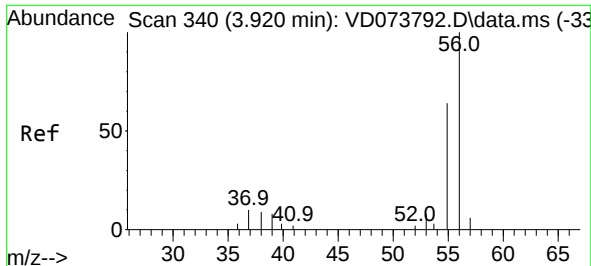
Tgt Ion: 94 Resp: 746
Ion Ratio Lower Upper
94 100
96 82.2 78.3 117.5



#11
Tert butyl alcohol
Concen: 40.385 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion: 59 Resp: 19318
Ion Ratio Lower Upper
59 100
57 0.0 2.4 3.6#

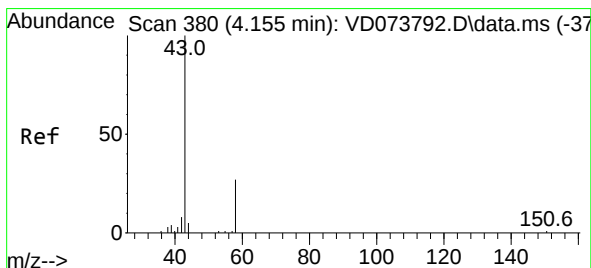
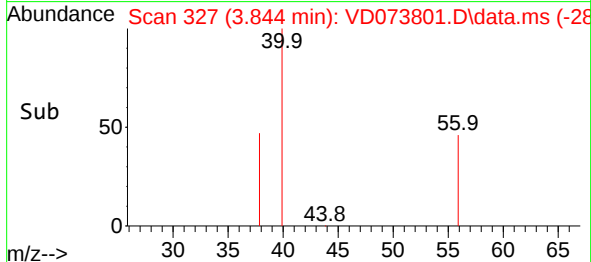
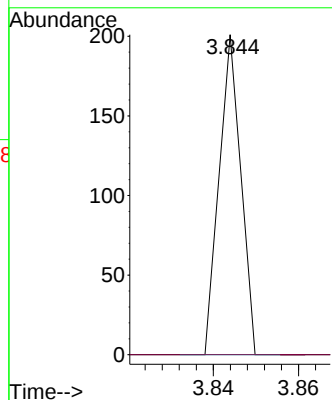
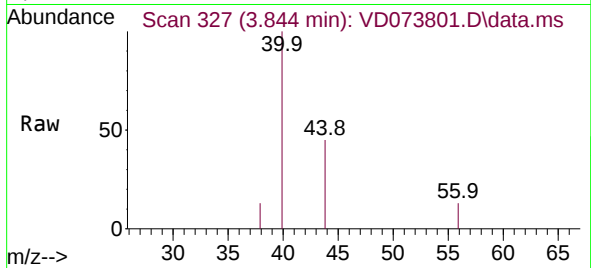




#13
Acrolein
Concen: 21.534 ug/l
RT: 3.844 min Scan# 31
Delta R.T. -0.076 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

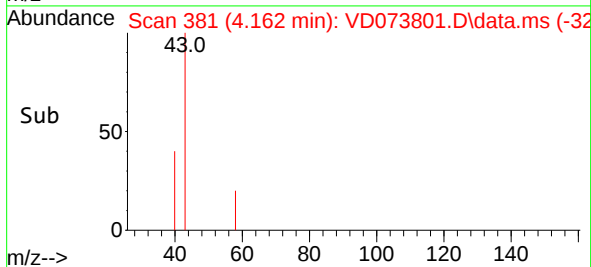
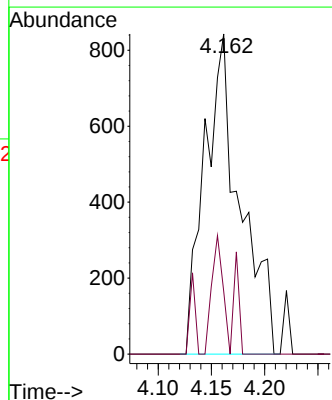
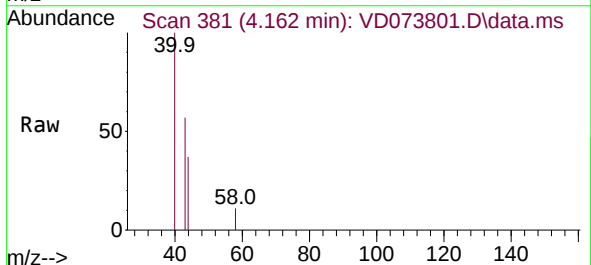
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

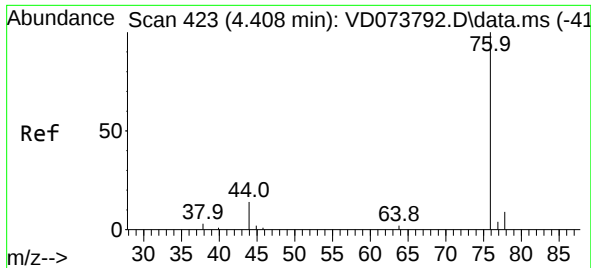
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.007 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
58 19.6 21.3 31.9#

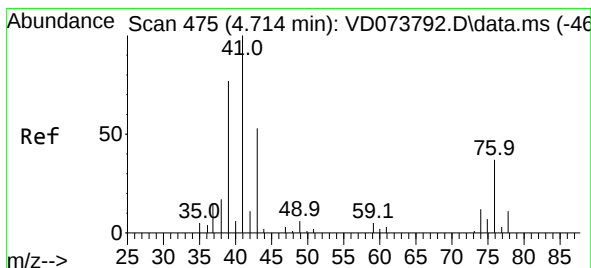
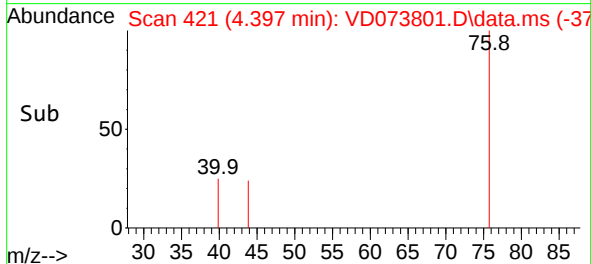
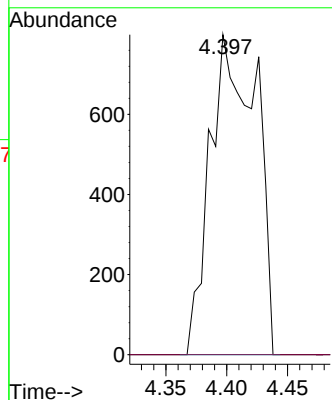
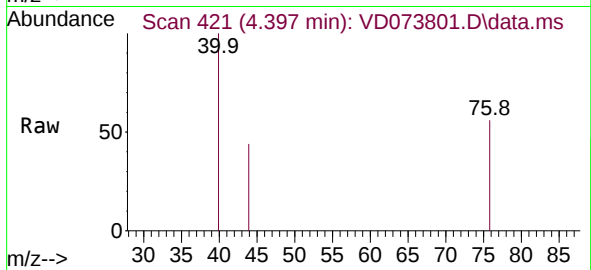




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

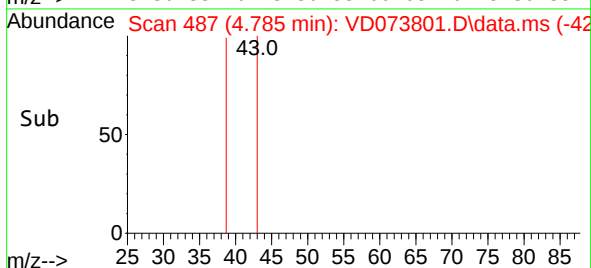
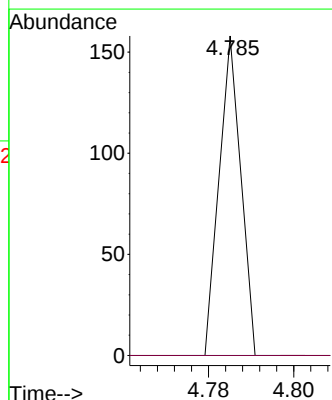
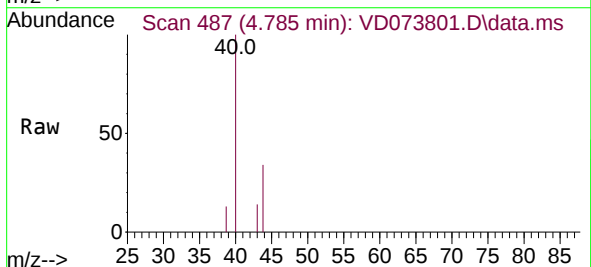
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

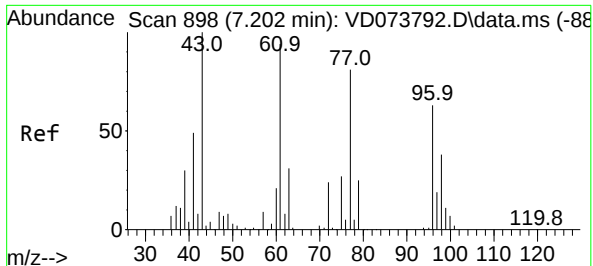
Tgt Ion: 76 Resp: 2106
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.785 min Scan# 487
Delta R.T. 0.071 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

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





#25

2-Butanone

Concen: 3.225 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.012 min

Lab File: VD073801.D

Acq: 07 Jul 2022 10:47

Instrument :

MSVOA_D

ClientSampleId :

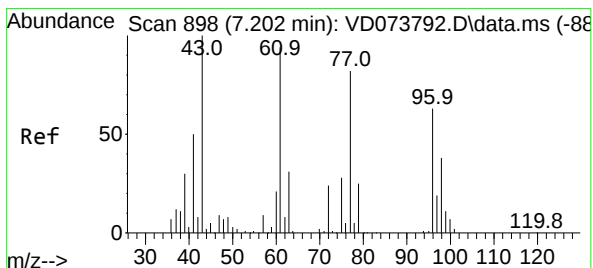
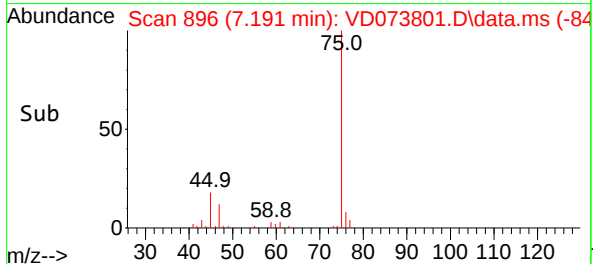
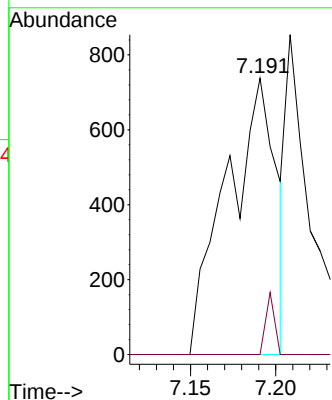
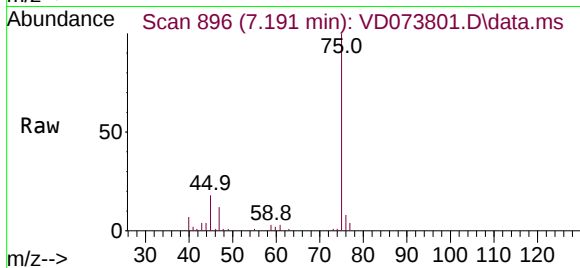
VD0707SBL01

Tgt Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#



#26

2,2-Dichloropropane

Concen: 1.096 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.006 min

Lab File: VD073801.D

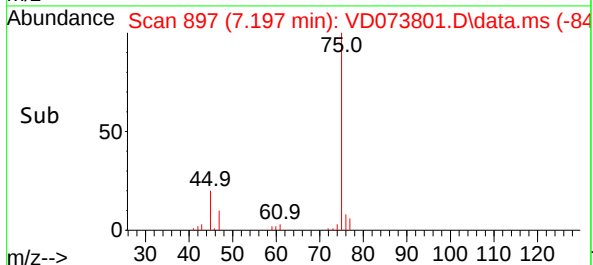
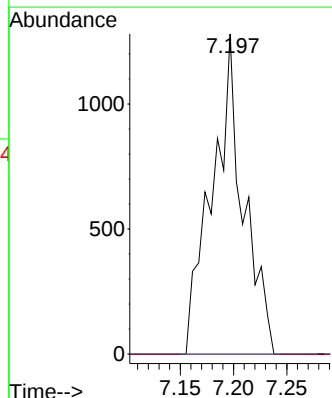
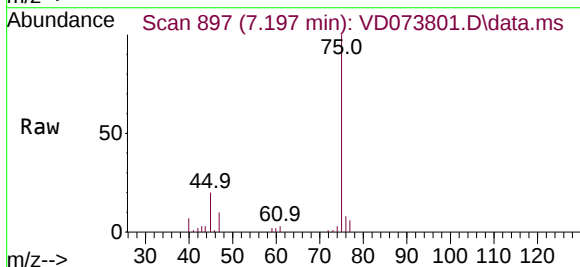
Acq: 07 Jul 2022 10:47

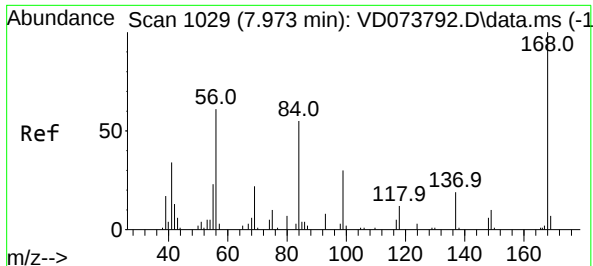
Tgt Ion: 77 Resp: 2610

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

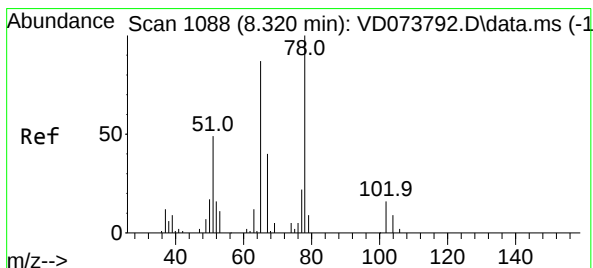
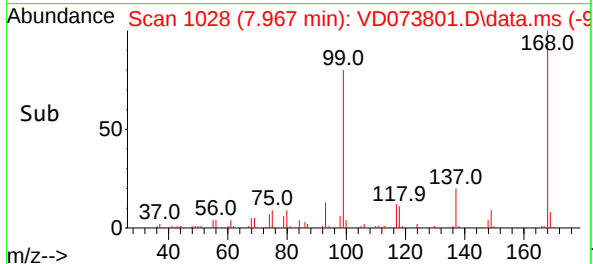
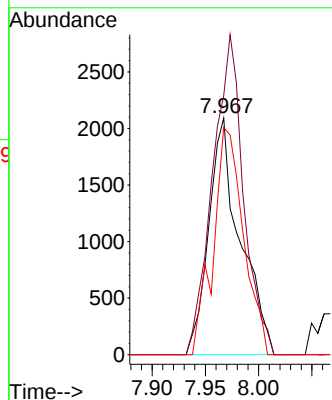
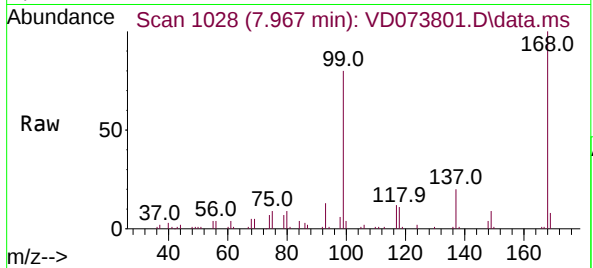




#31
Cyclohexane
Concen: Below Cal
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

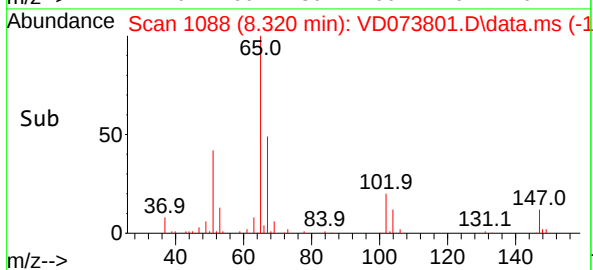
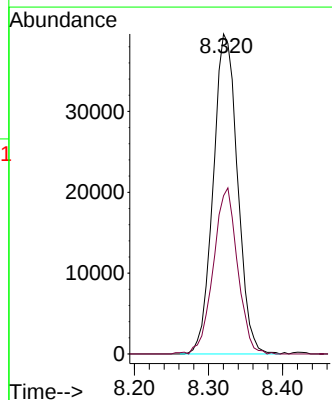
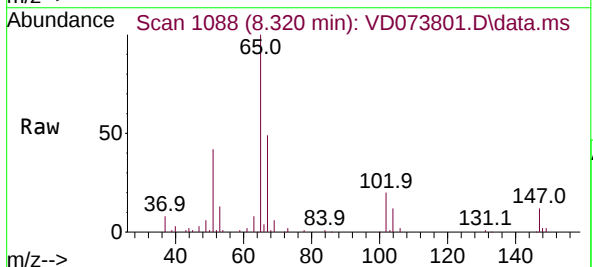
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

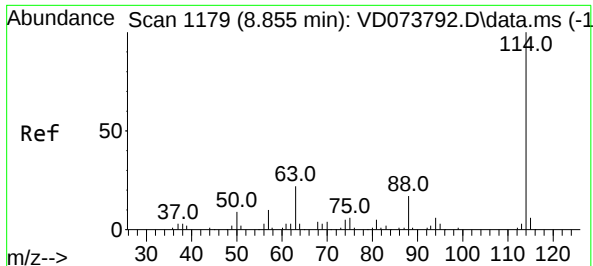
Tgt Ion: 56 Resp: 4280
Ion Ratio Lower Upper
56 100
69 109.5 29.4 44.2#
84 96.1 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 64.364 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion: 65 Resp: 90205
Ion Ratio Lower Upper
65 100
67 51.7 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: VD073801.D

Acq: 07 Jul 2022 10:47

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBL01

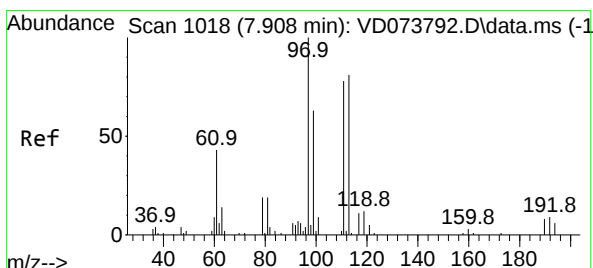
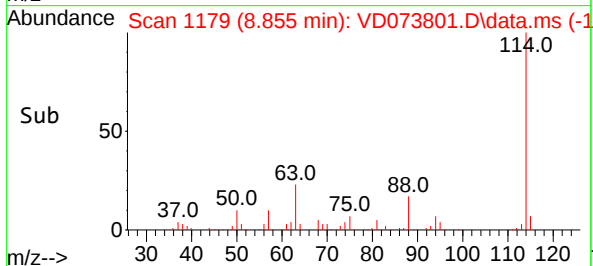
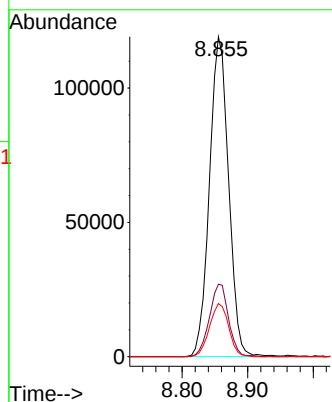
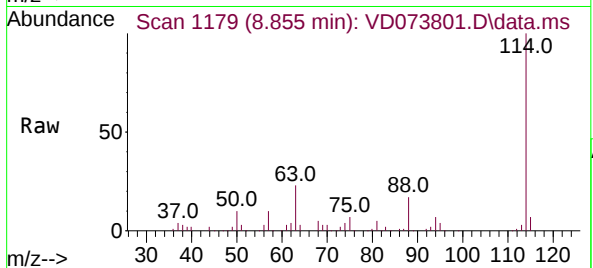
Tgt Ion:114 Resp: 241666

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

88 16.6 0.0 33.6



#35

Dibromofluoromethane

Concen: 54.685 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073801.D

Acq: 07 Jul 2022 10:47

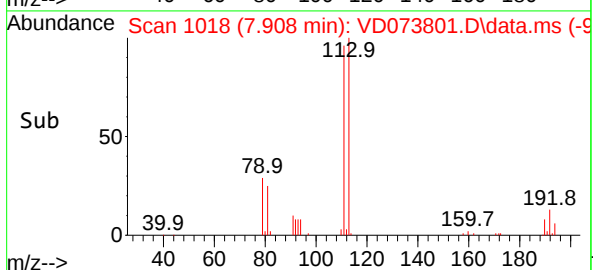
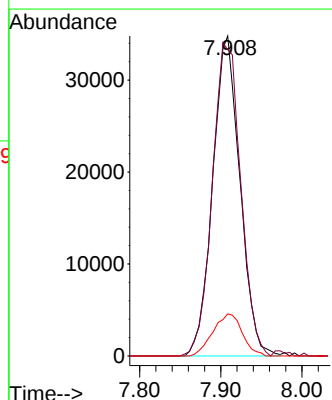
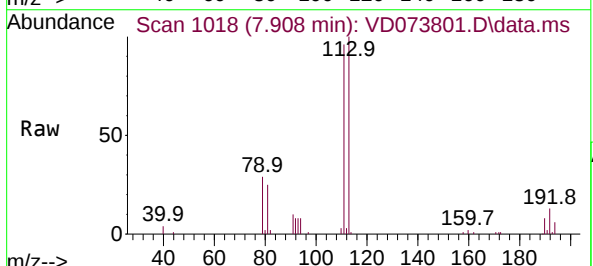
Tgt Ion:113 Resp: 81088

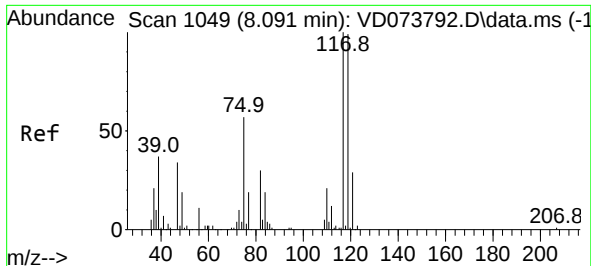
Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

192 14.2 11.7 17.5

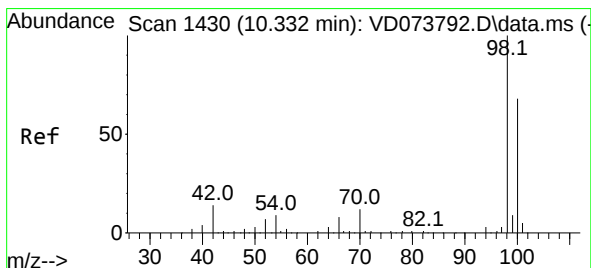
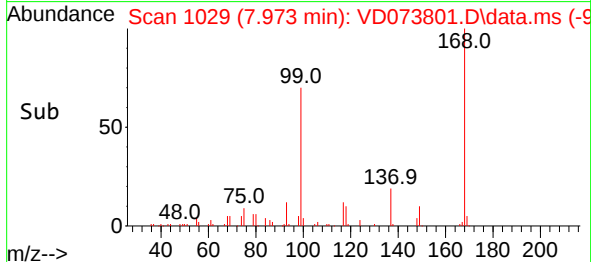
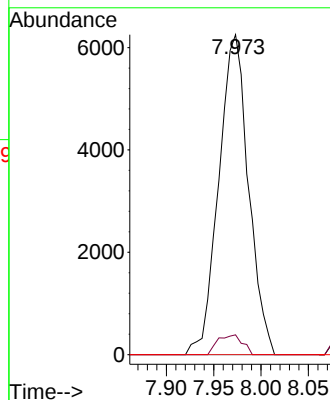
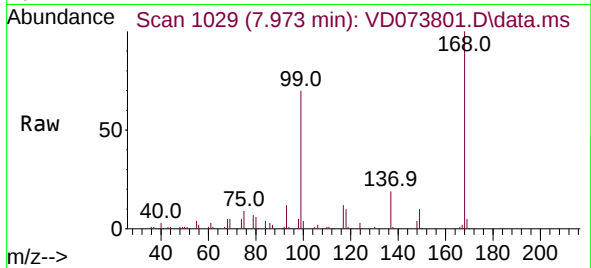




#38
Carbon Tetrachloride
Concen: 6.344 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

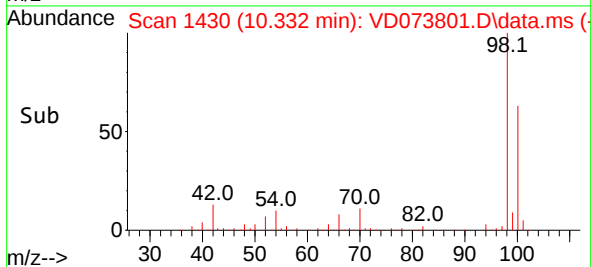
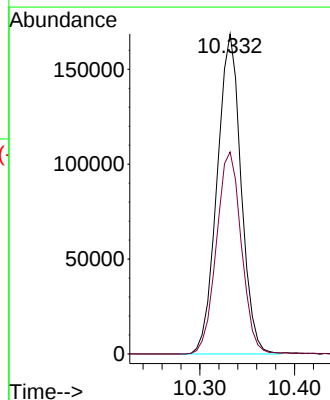
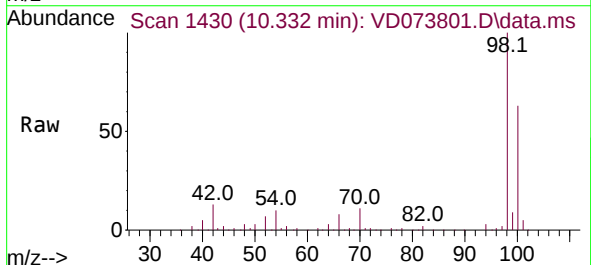
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

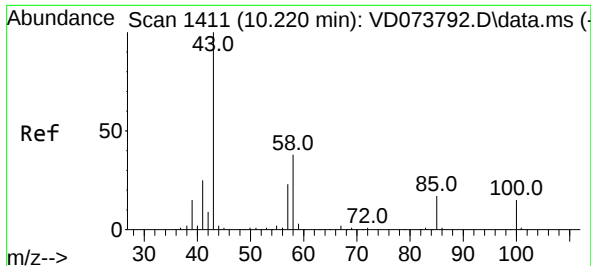
Tgt Ion:117 Resp: 13682
Ion Ratio Lower Upper
117 100
119 6.2 79.3 118.9#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 59.070 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion: 98 Resp: 296723
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

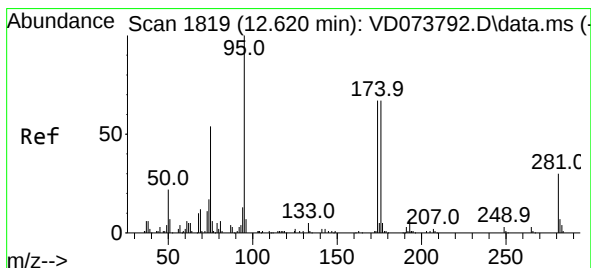
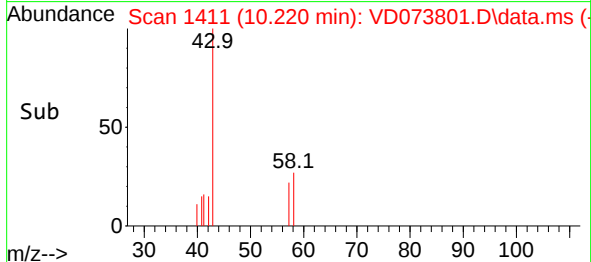
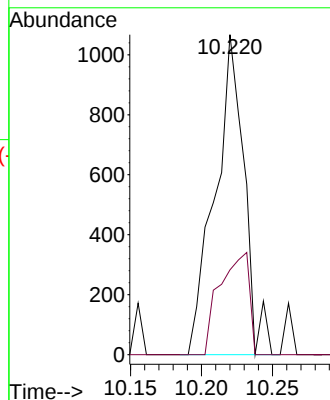
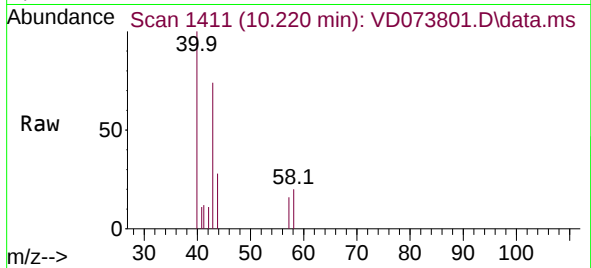




#51
4-Methyl-2-Pentanone
Concen: 1.280 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

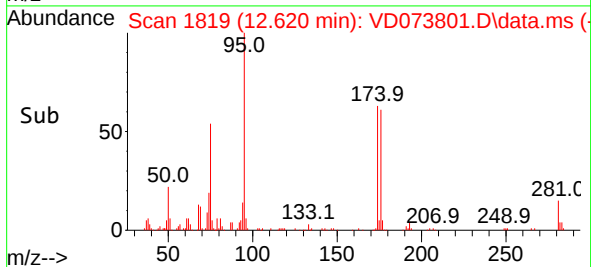
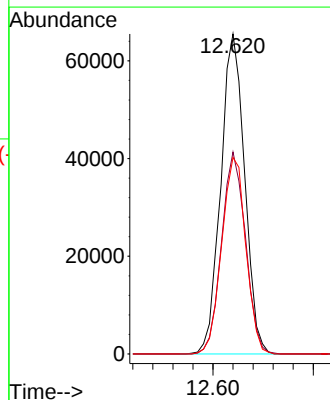
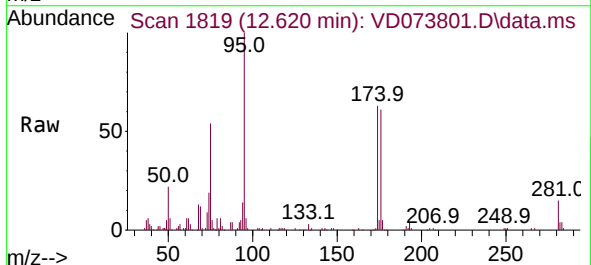
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

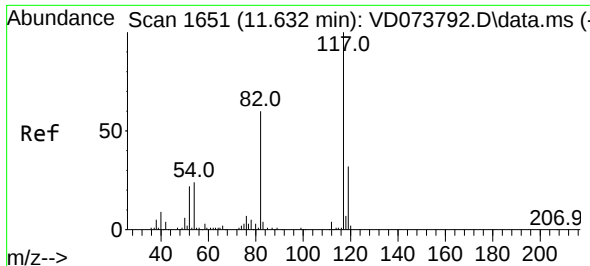
Tgt Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 32.2 30.1 45.1



#62
4-Bromofluorobenzene
Concen: 52.419 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion: 95 Resp: 108233
Ion Ratio Lower Upper
95 100
174 63.2 0.0 132.4
176 62.0 0.0 129.0

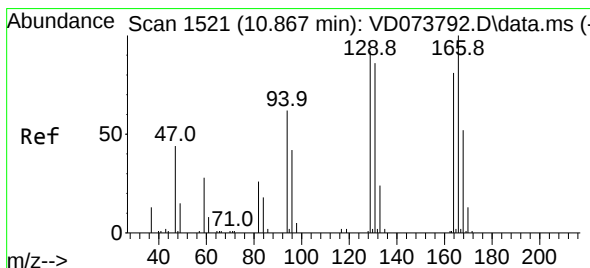
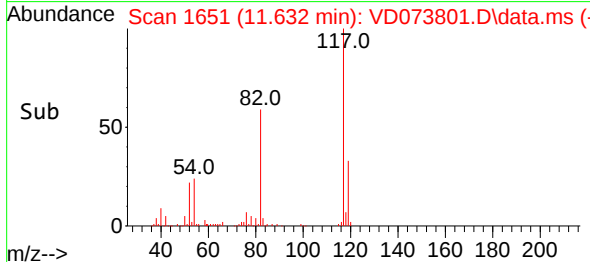
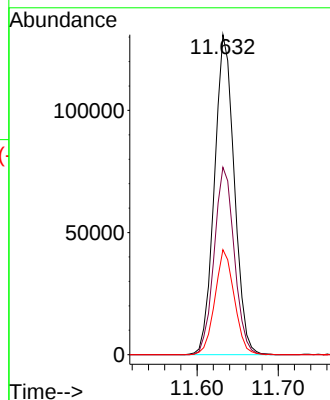
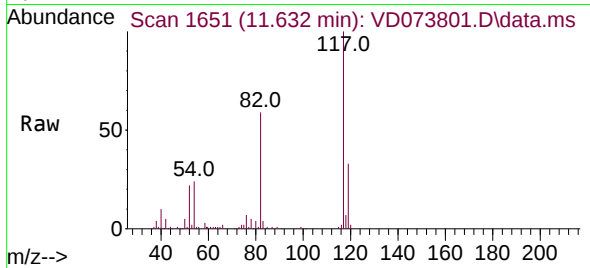




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

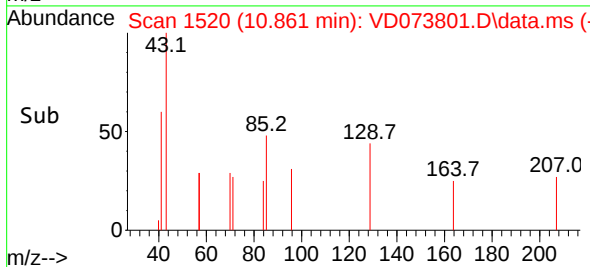
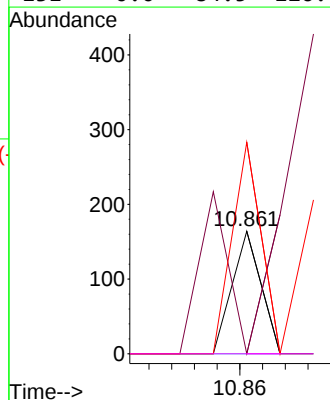
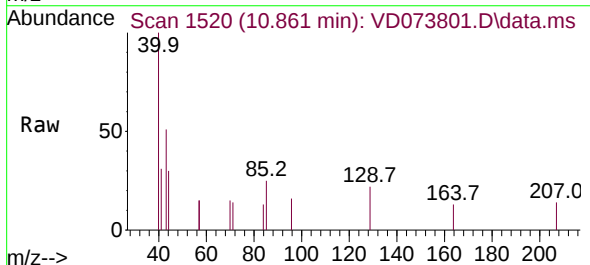
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

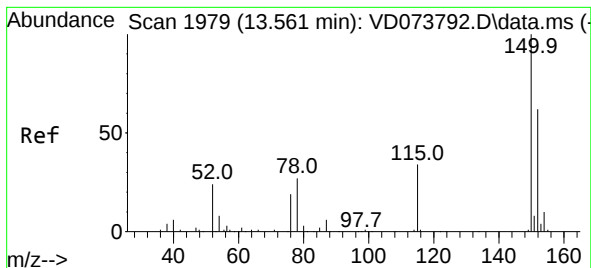
Tgt Ion:117 Resp: 222973
Ion Ratio Lower Upper
117 100
82 58.6 48.2 72.2
119 32.8 25.2 37.8



#64
Tetrachloroethene
Concen: Below Cal
RT: 10.861 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VD073801.D
Acq: 07 Jul 2022 10:47

Tgt Ion:164 Resp: 58
Ion Ratio Lower Upper
164 100
166 0.0 98.8 148.2#
129 172.6 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# 1819

Delta R.T. 0.000 min

Lab File: VD073801.D

Acq: 07 Jul 2022 10:47

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBL01

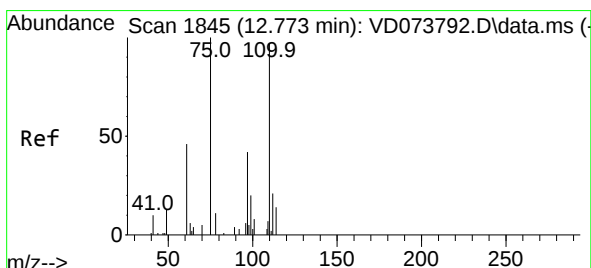
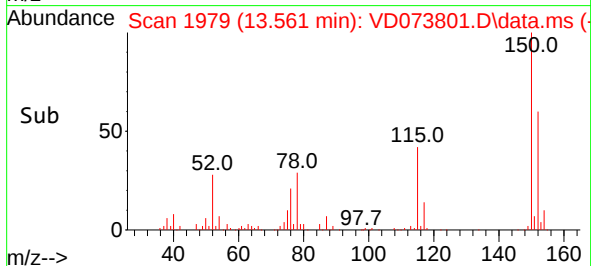
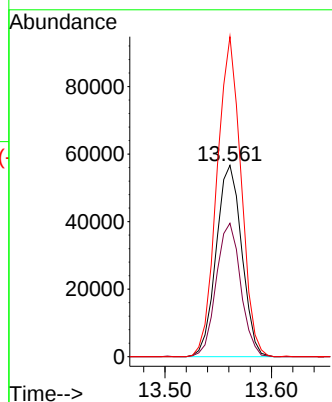
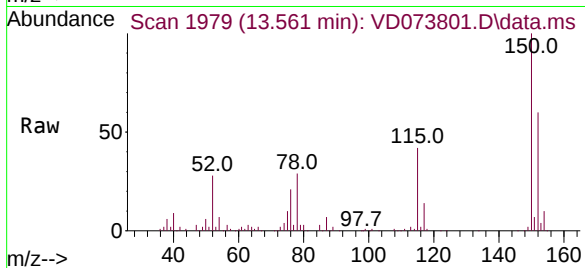
Tgt Ion:152 Resp: 94424

Ion Ratio Lower Upper

152 100

115 66.8 32.2 96.6

150 157.5 0.0 353.0



#76

1,2,3-Trichloropropane

Concen: 59.448 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD073801.D

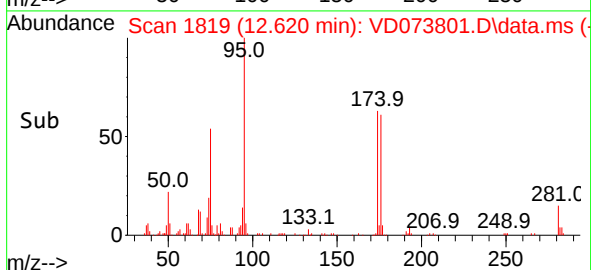
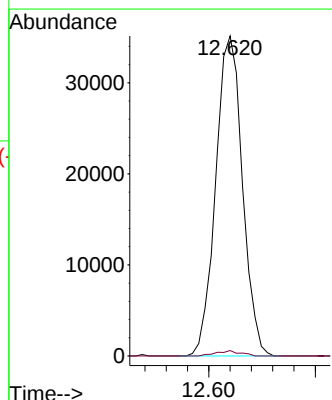
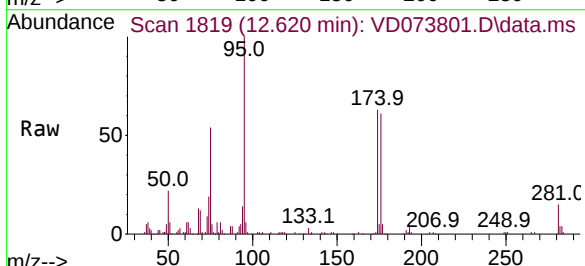
Acq: 07 Jul 2022 10:47

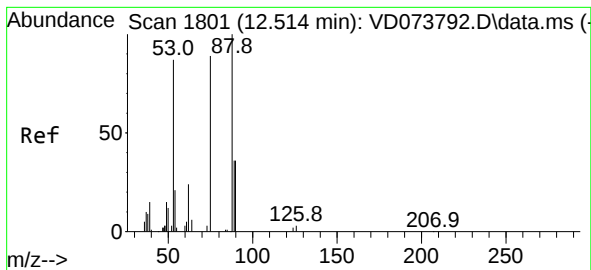
Tgt Ion: 75 Resp: 61116

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.812 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073801.D
 Acq: 07 Jul 2022 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBL01

Tgt Ion: 75 Resp: 61116
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.2 55.8#

