

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072769.D
 Acq On : 03 May 2022 15:26
 Operator : VA/SY
 Sample : N2641-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-24

Quant Time: May 04 01:26:24 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)

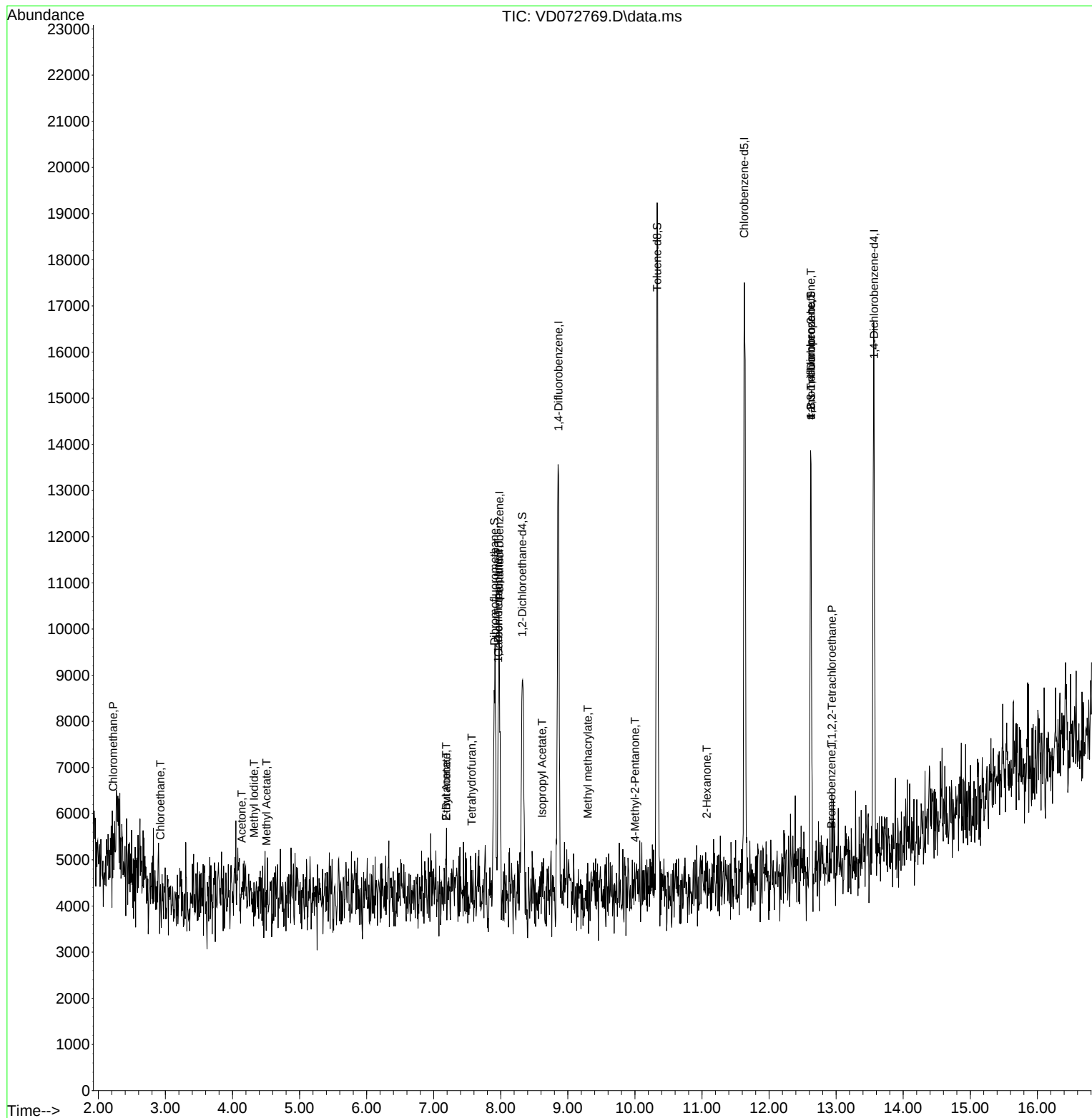
Internal Standards						
1) Pentafluorobenzene	7.979	168	4096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	8277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	7999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	4537	85.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 170.660%#	
35) Dibromofluoromethane	7.902	113	3670	63.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.260%	
50) Toluene-d8	10.332	98	9802	47.008	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.020%	
62) 4-Bromofluorobenzene	12.626	95	3450	44.372	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.740%	
Target Compounds						Qvalue
3) Chloromethane	2.220	50	231	3.924	ug/l #	40
6) Chloroethane	2.926	64	64	1.944	ug/l #	42
10) Methyl Iodide	4.320	142	132	2.395	ug/l #	38
16) Acetone	4.138	43	156	1.836	ug/l #	47
18) Methyl Acetate	4.508	43	90	2.879	ug/l #	55
25) 2-Butanone	7.185	43	68	4.389	ug/l #	52
29) Tetrahydrofuran	7.567	42	55	5.570	ug/l #	38
36) 1,1-Dichloropropene	7.961	75	176	1.862	ug/l #	43
37) Ethyl Acetate	7.185	43	68	1.565	ug/l #	72
38) Carbon Tetrachloride	7.967	117	438	4.464	ug/l #	13
43) Isopropyl Acetate	8.614	43	147	1.833	ug/l #	54
48) Methyl methacrylate	9.296	41	63	1.606	ug/l #	19
51) 4-Methyl-2-Pentanone	10.002	43	60	1.440	ug/l #	39
59) 2-Hexanone	11.073	43	61	2.175	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	12.937	83	66	1.378	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	1698	49.927	ug/l #	100
77) Bromobenzene	12.931	156	196	3.478	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	1698	114.812	ug/l #	7

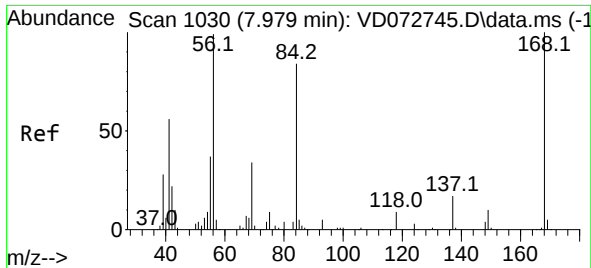
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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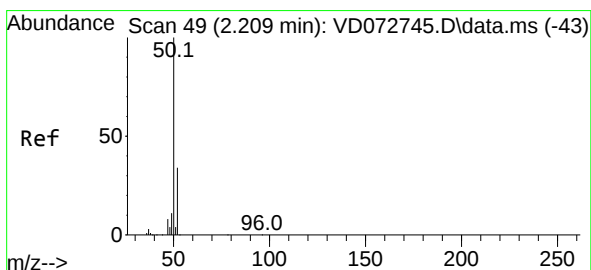
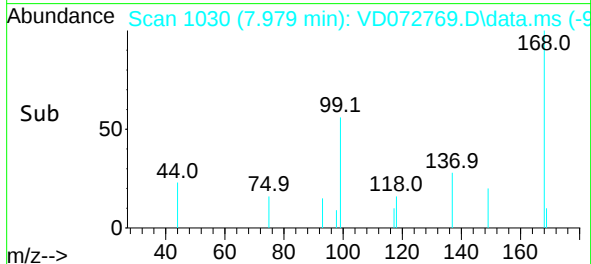
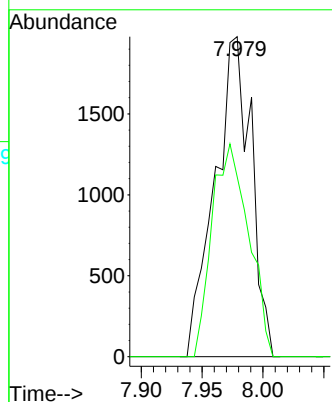
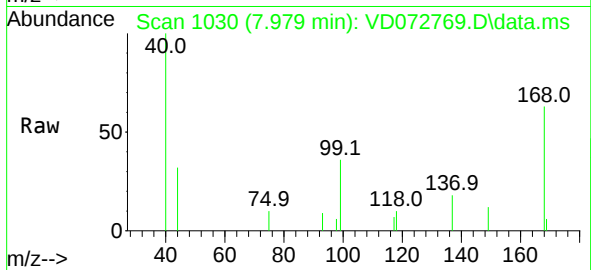




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

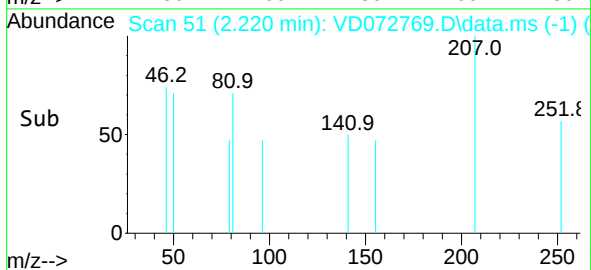
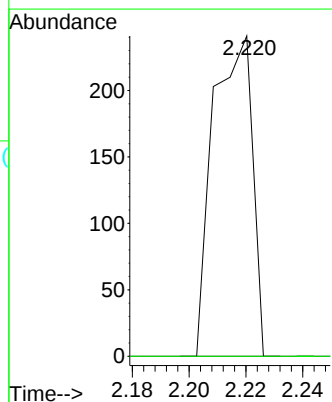
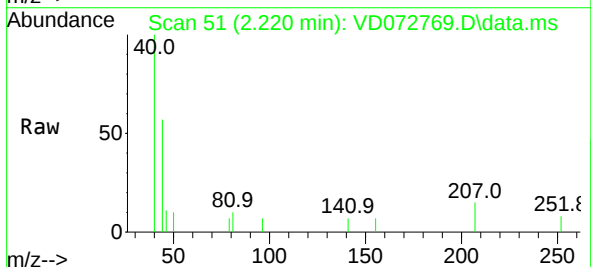
Instrument :
MSVOA_D
ClientSampleId :
TP-24

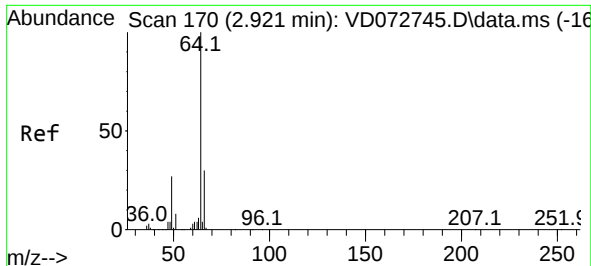
Tgt Ion:168 Resp: 4096
Ion Ratio Lower Upper
168 100
99 56.2 49.8 74.6



#3
Chloromethane
Concen: 3.924 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

Tgt Ion: 50 Resp: 231
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

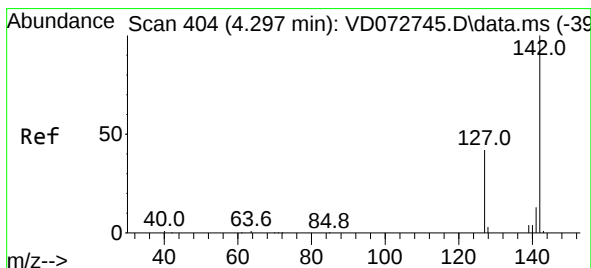
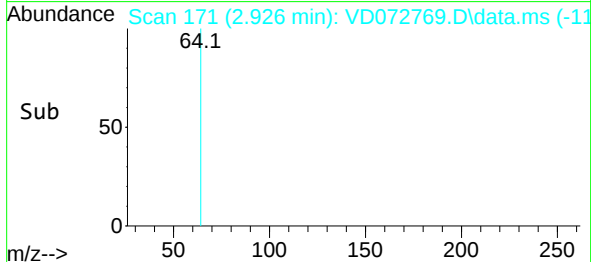
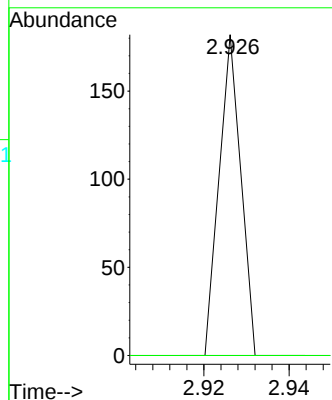
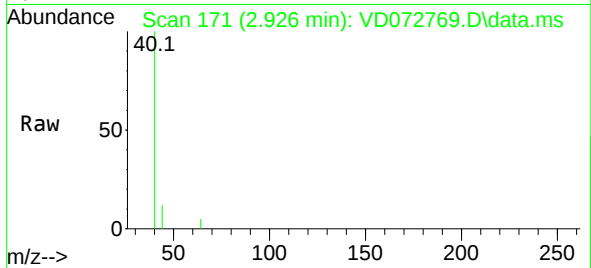




#6
Chloroethane
Concen: 1.944 ug/l
RT: 2.926 min Scan# 11
Delta R.T. 0.005 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

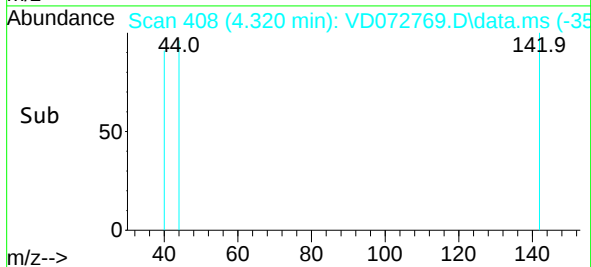
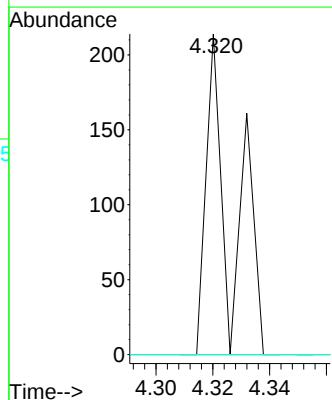
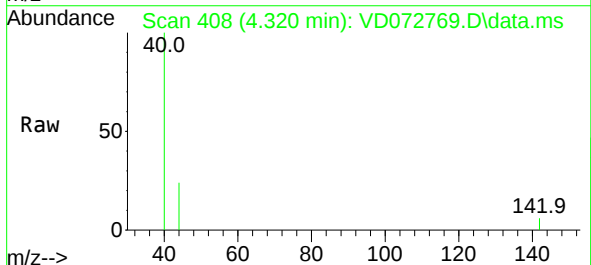
Instrument :
MSVOA_D
ClientSampleId :
TP-24

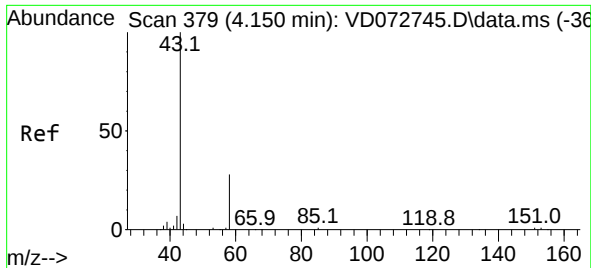
Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 2.395 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

Tgt Ion: 142 Resp: 132
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

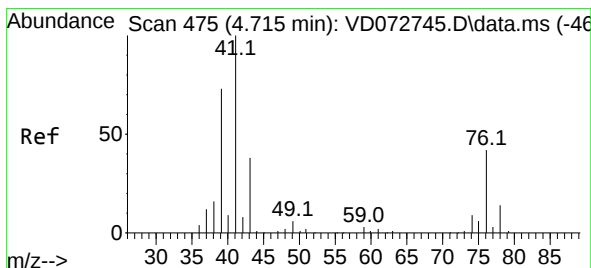
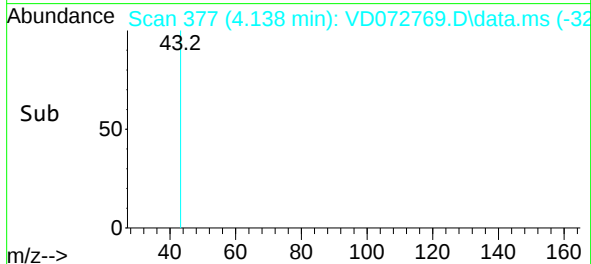
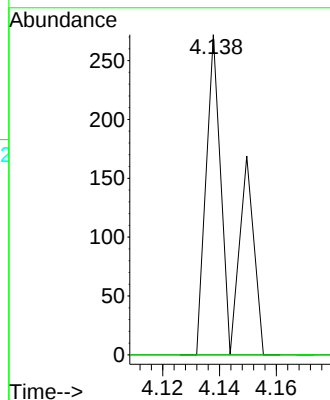
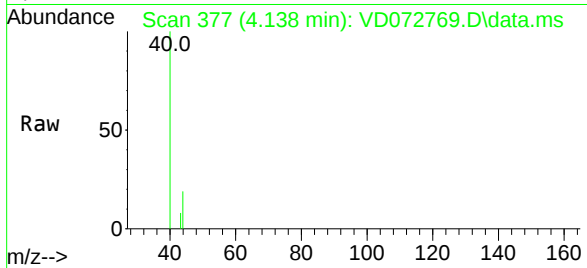




#16
Acetone
Concen: 1.836 ug/l
RT: 4.138 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

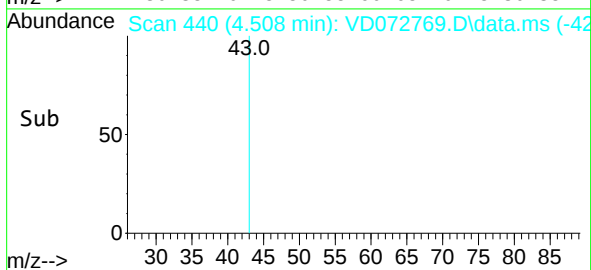
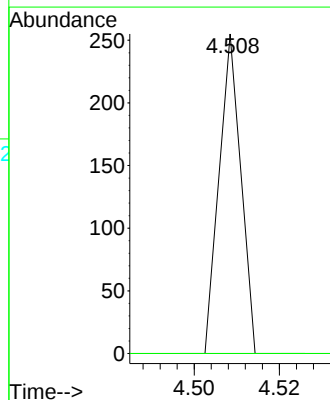
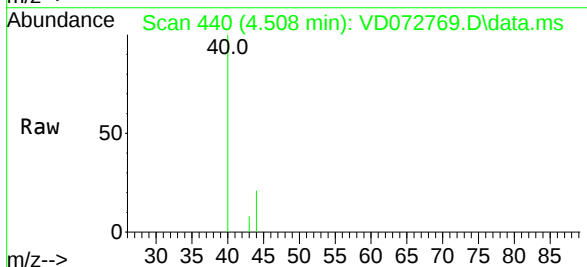
Instrument :
MSVOA_D
ClientSampleId :
TP-24

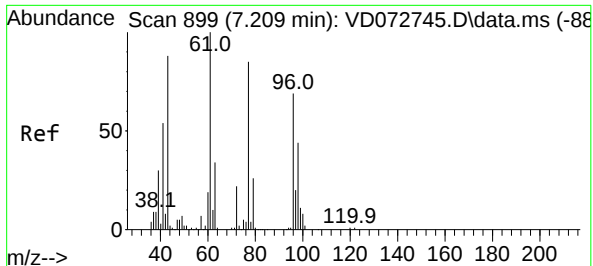
Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 2.879 ug/l
RT: 4.508 min Scan# 440
Delta R.T. -0.207 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#25

2-Butanone

Concen: 4.389 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.024 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

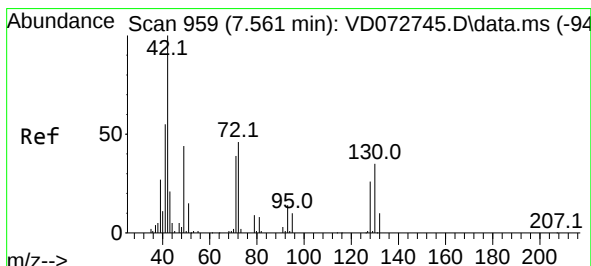
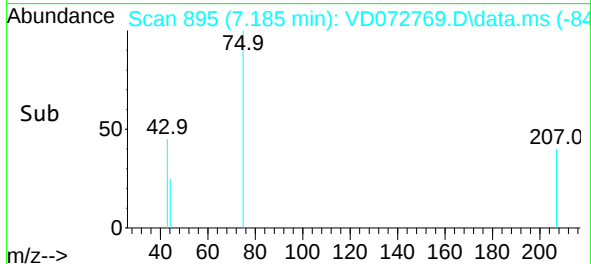
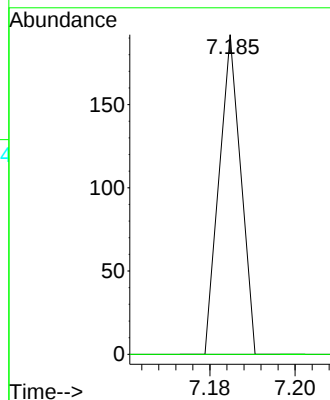
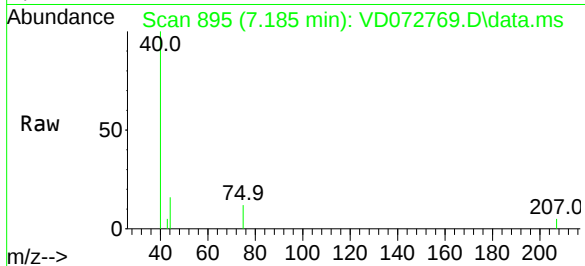
TP-24

Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 5.570 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.006 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

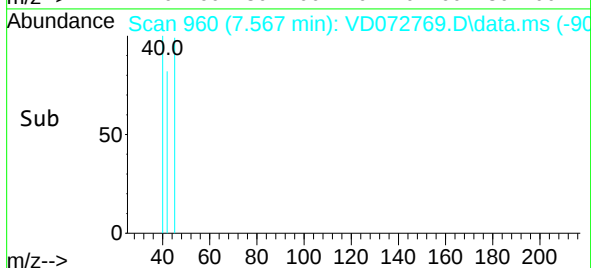
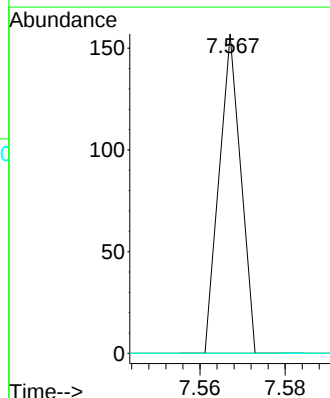
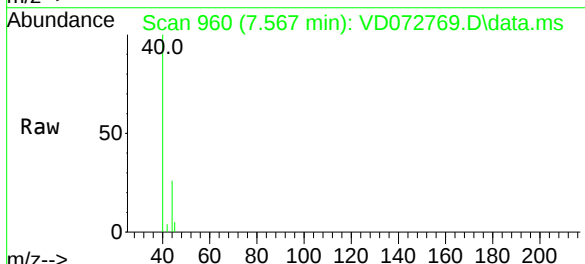
Tgt Ion: 42 Resp: 55

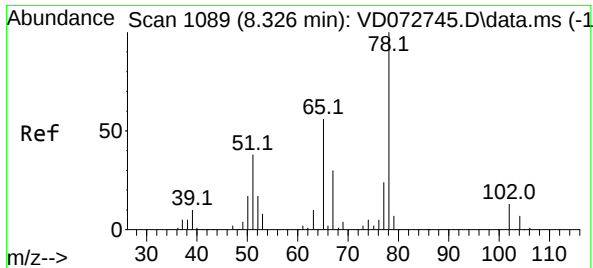
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 85.331 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

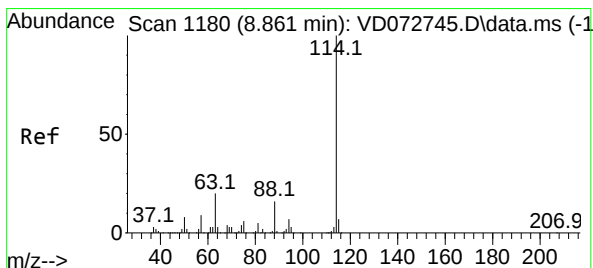
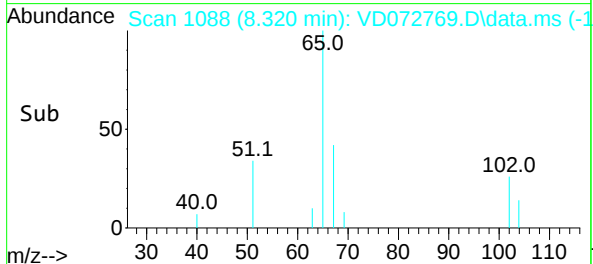
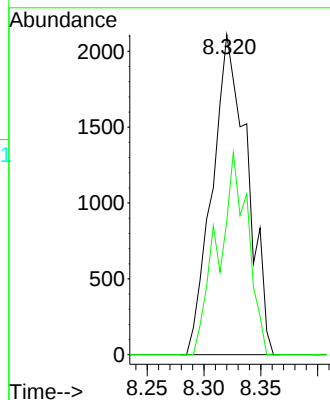
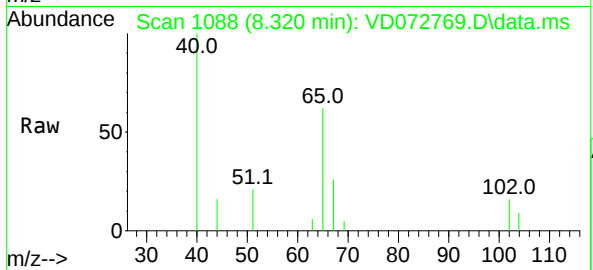
TP-24

Tgt Ion: 65 Resp: 4537

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

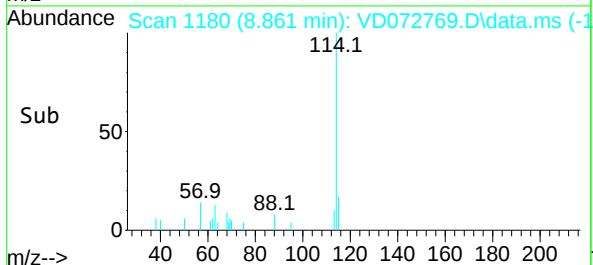
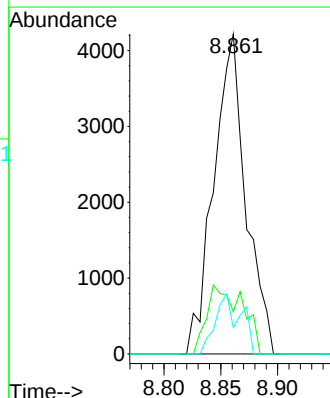
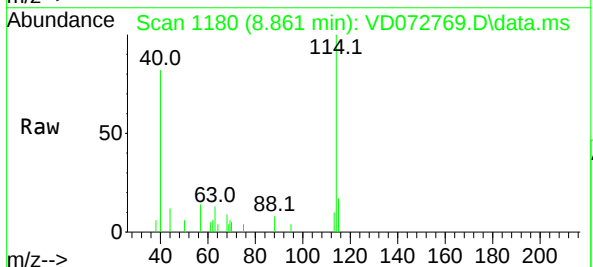
Tgt Ion: 114 Resp: 8277

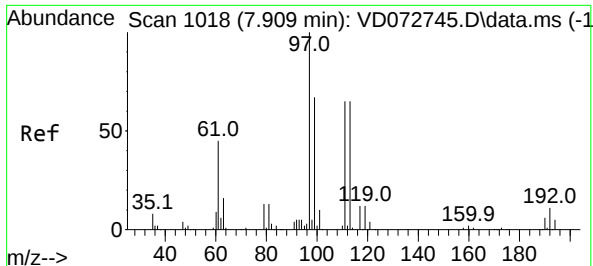
Ion Ratio Lower Upper

114 100

63 13.2 0.0 46.6

88 8.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 63.134 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.007 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

TP-24

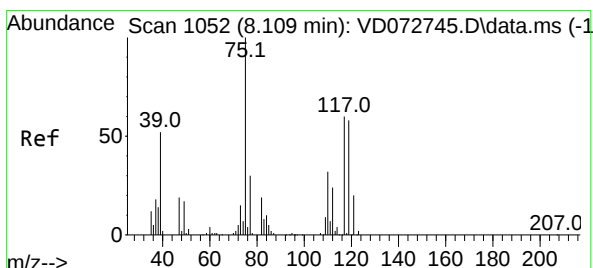
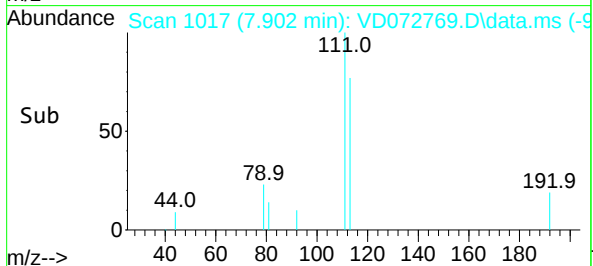
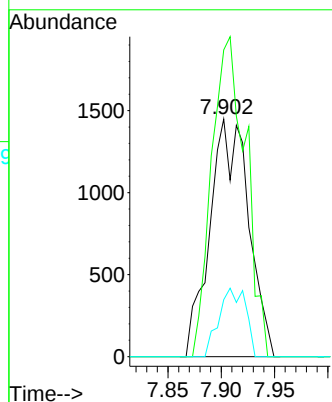
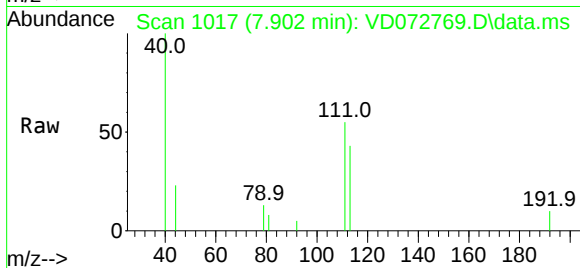
Tgt Ion:113 Resp: 3670

Ion Ratio Lower Upper

113 100

111 118.2 83.8 125.6

192 19.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 1.862 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.148 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

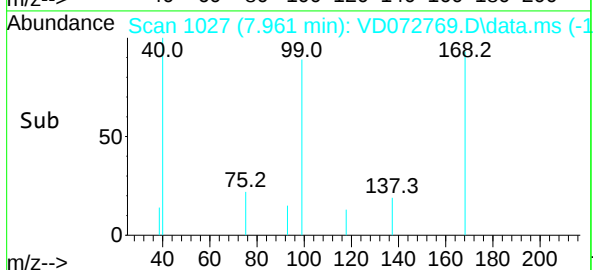
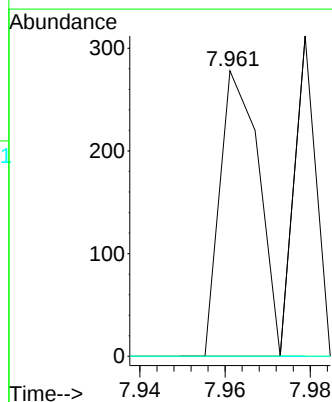
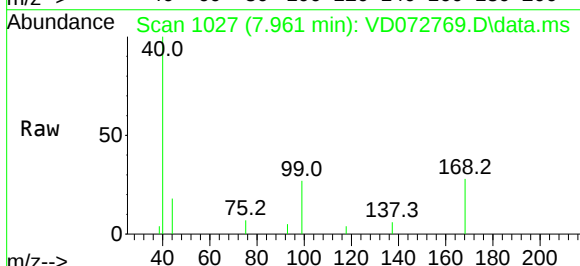
Tgt Ion: 75 Resp: 176

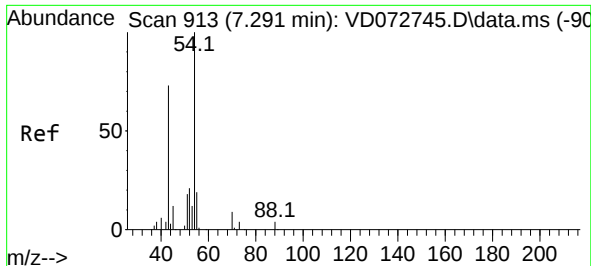
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.565 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.106 min

Lab File: VD072769.D

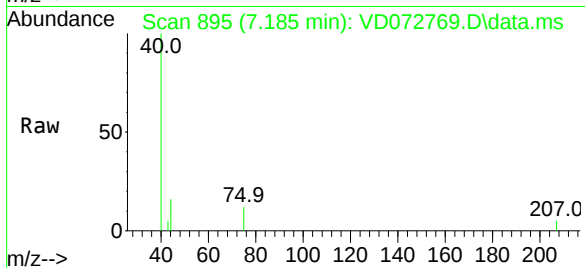
Acq: 03 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

TP-24



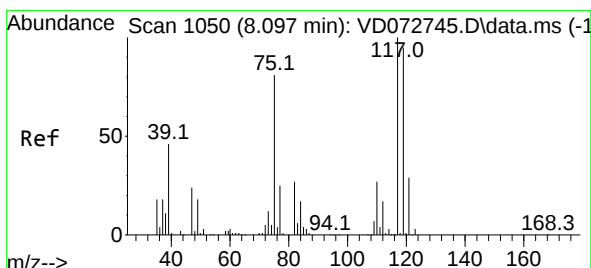
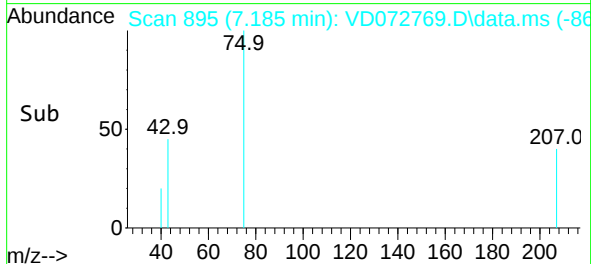
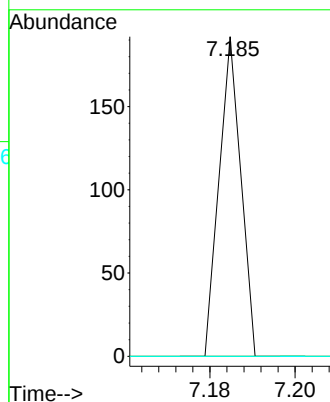
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.464 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

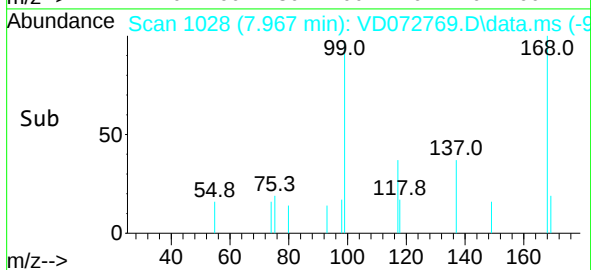
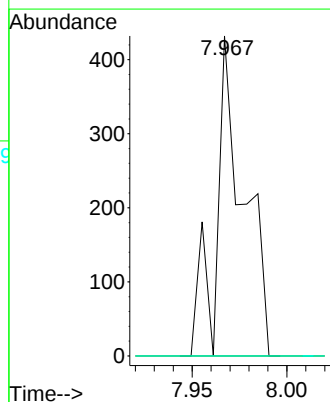
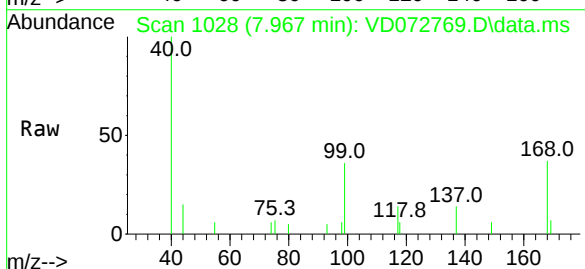
Tgt Ion: 117 Resp: 438

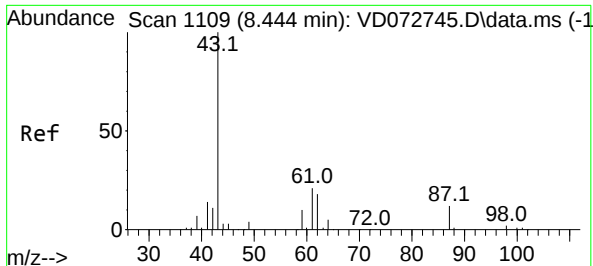
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

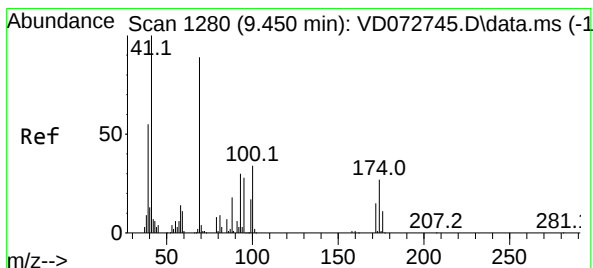
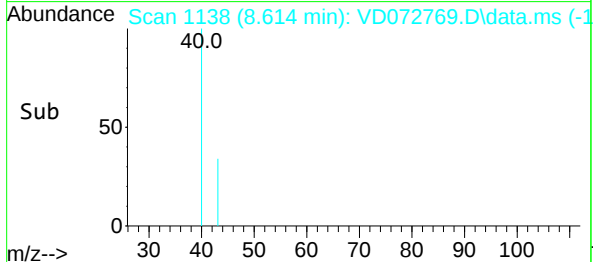
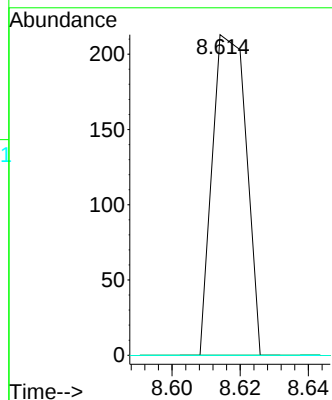
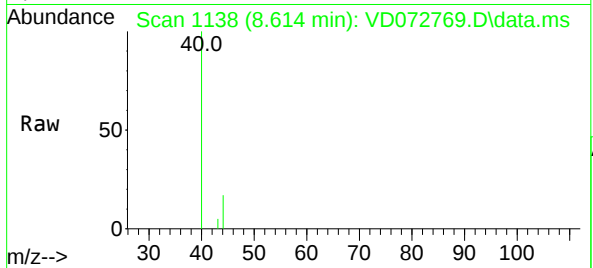




#43
Isopropyl Acetate
Concen: 1.833 ug/l
RT: 8.614 min Scan# 1109
Delta R.T. 0.170 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

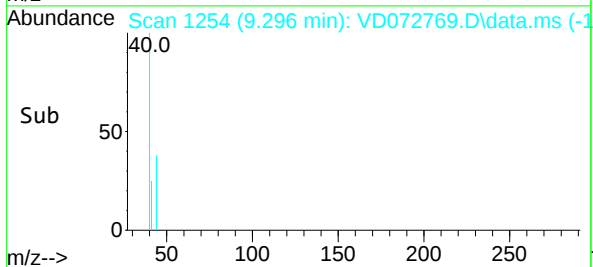
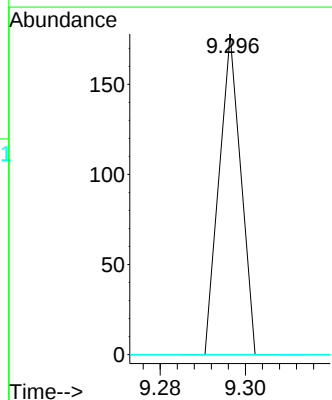
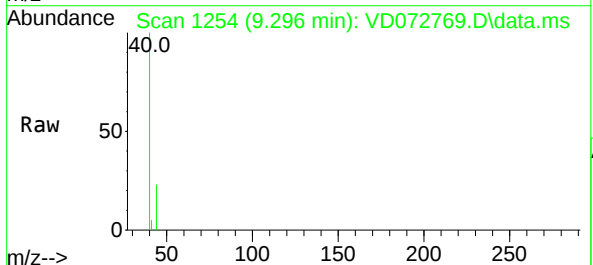
Instrument :
MSVOA_D
ClientSampleId :
TP-24

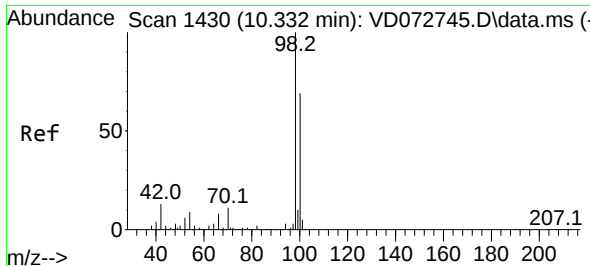
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#



#48
Methyl methacrylate
Concen: 1.606 ug/l
RT: 9.296 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#

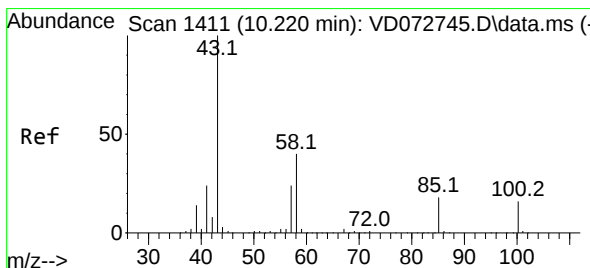
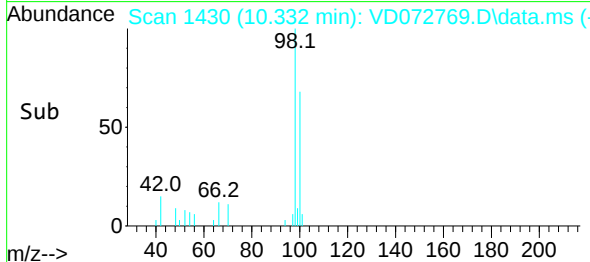
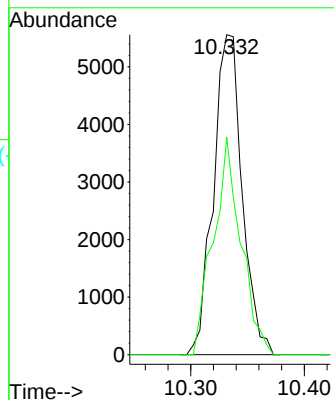
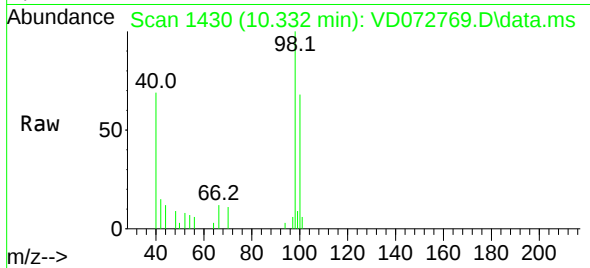




#50
Toluene-d8
Concen: 47.008 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

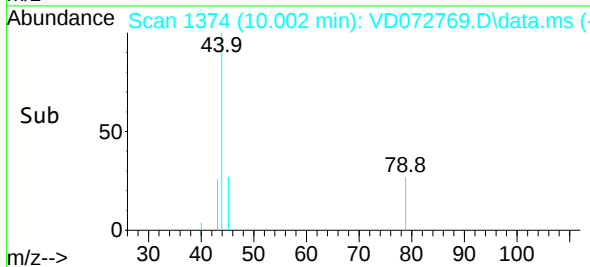
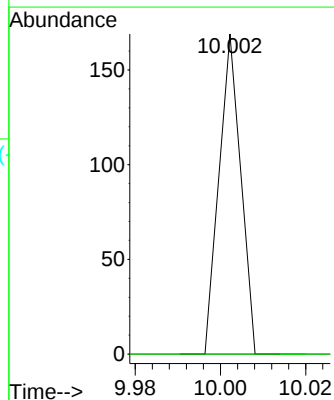
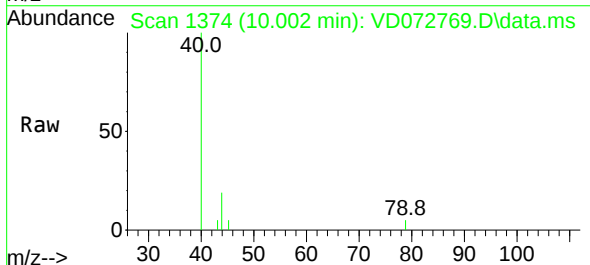
Instrument :
MSVOA_D
ClientSampleId :
TP-24

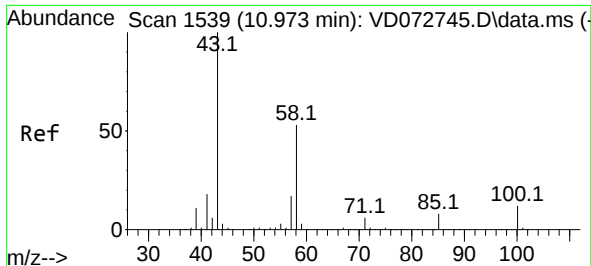
Tgt Ion: 98 Resp: 9802
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.440 ug/l
RT: 10.002 min Scan# 1374
Delta R.T. -0.218 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

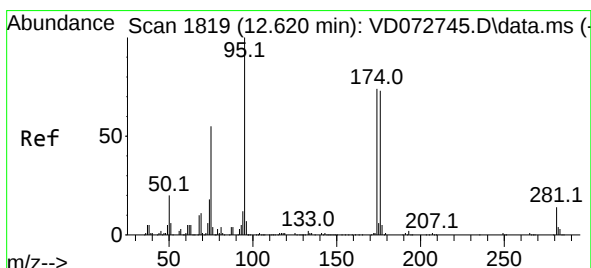
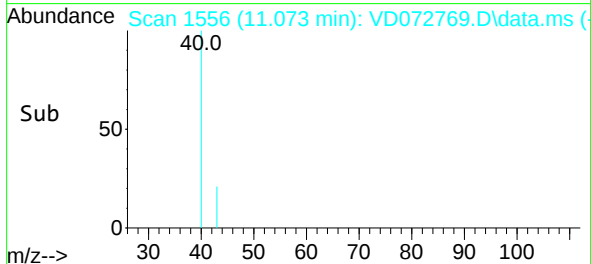
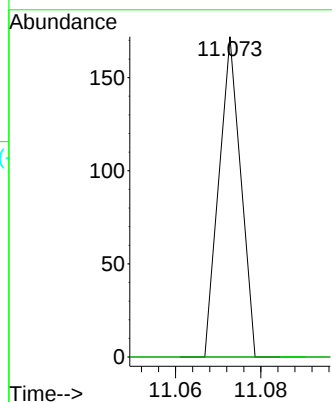
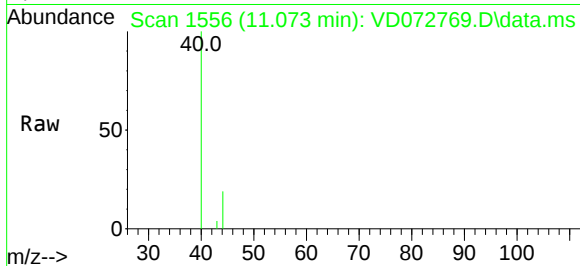




#59
2-Hexanone
Concen: 2.175 ug/l
RT: 11.073 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

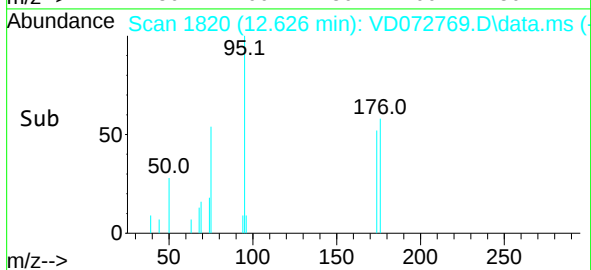
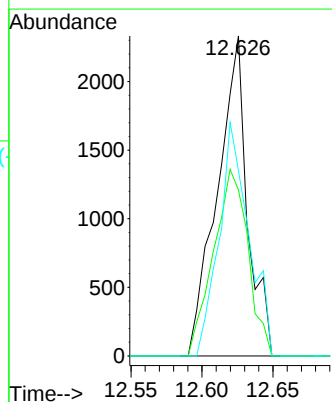
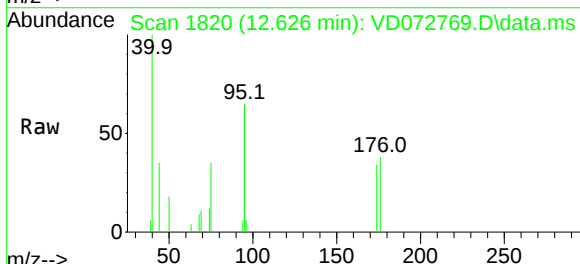
Instrument :
MSVOA_D
ClientSampleId :
TP-24

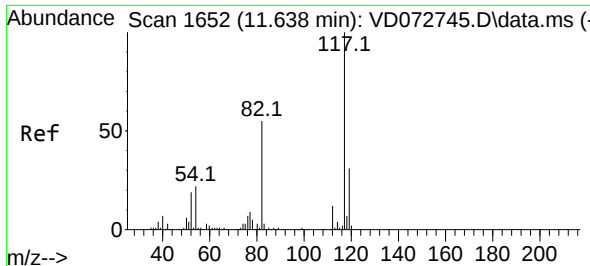
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 44.372 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

Tgt Ion: 95 Resp: 3450
Ion Ratio Lower Upper
95 100
174 66.4 0.0 152.8
176 72.0 0.0 145.4

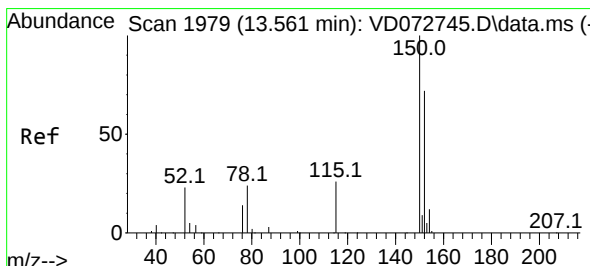
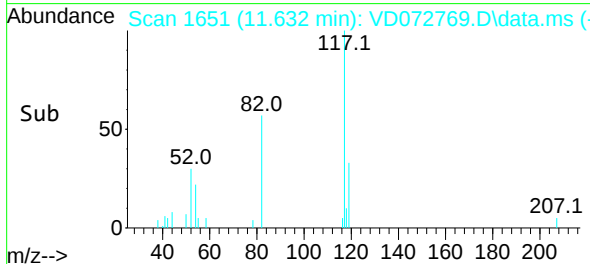
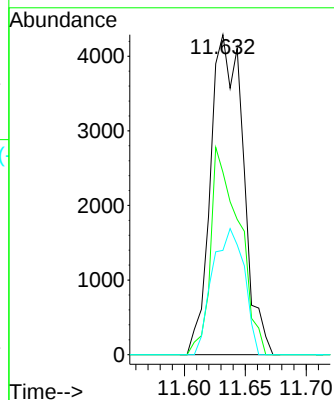
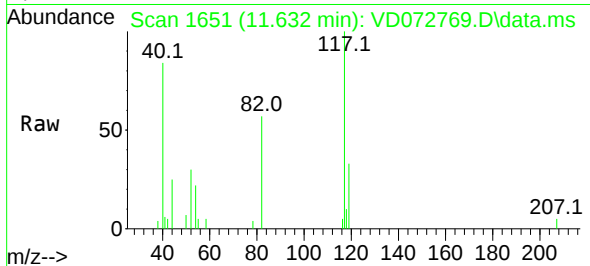




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

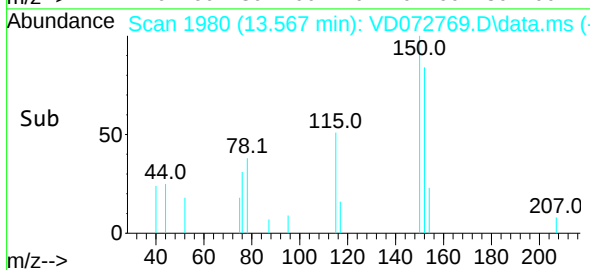
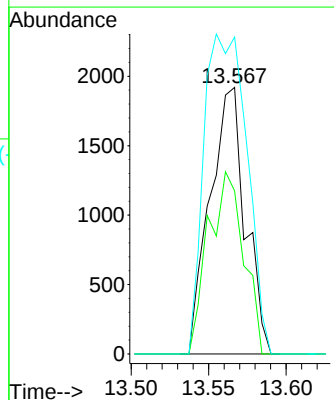
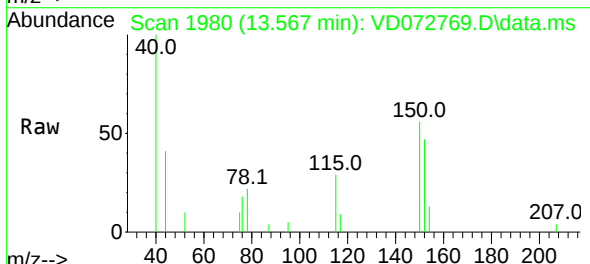
Instrument :
MSVOA_D
ClientSampleId :
TP-24

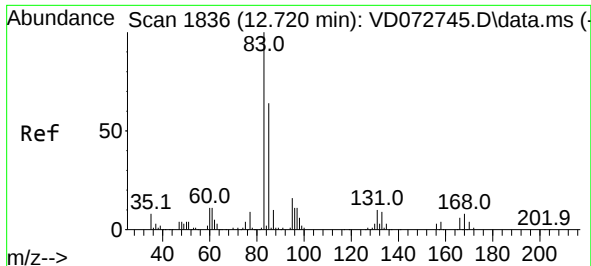
Tgt Ion:	117	Resp:	7999
Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.3	67.9
119	32.6	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072769.D
Acq: 03 May 2022 15:26

Tgt Ion:	152	Resp:	3050
Ion	Ratio	Lower	Upper
152	100		
115	68.1	31.3	93.8
150	145.6	0.0	348.6

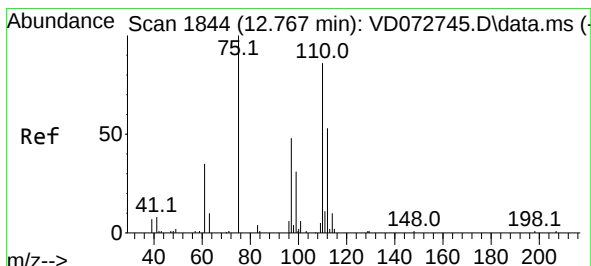
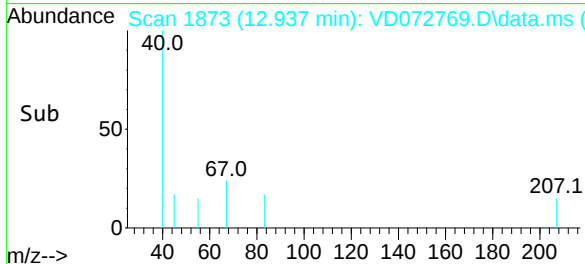
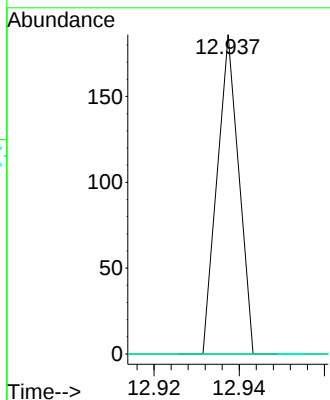
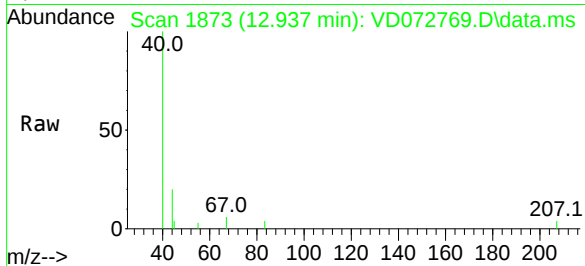




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.378 ug/l
 RT: 12.937 min Scan# 1820
 Delta R.T. 0.217 min
 Lab File: VD072769.D
 Acq: 03 May 2022 15:26

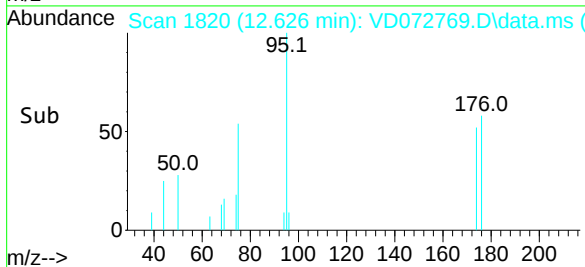
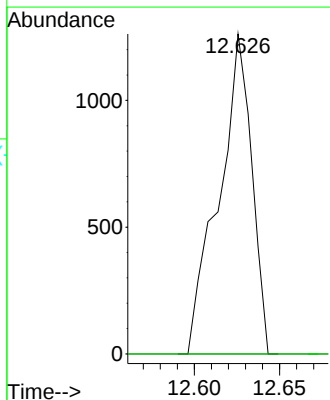
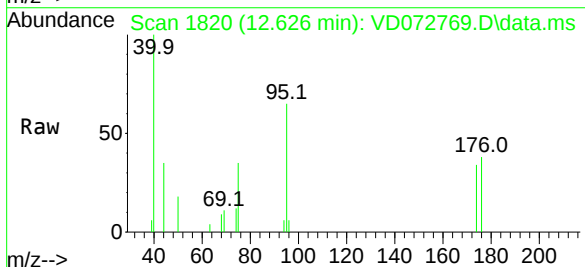
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-24

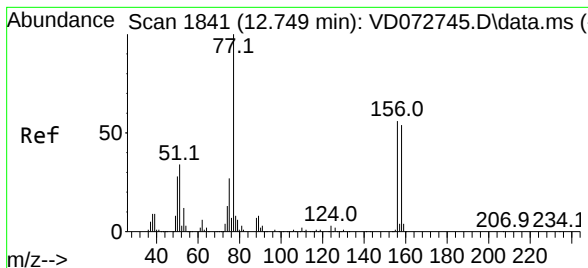
Tgt Ion: 83 Resp: 66
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 0.0 32.6 98.0#



#76
 1,2,3-Trichloropropane
 Concen: 49.927 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.141 min
 Lab File: VD072769.D
 Acq: 03 May 2022 15:26

Tgt Ion: 75 Resp: 1698
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 3.478 ug/l

RT: 12.931 min Scan# 1841

Delta R.T. 0.182 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

TP-24

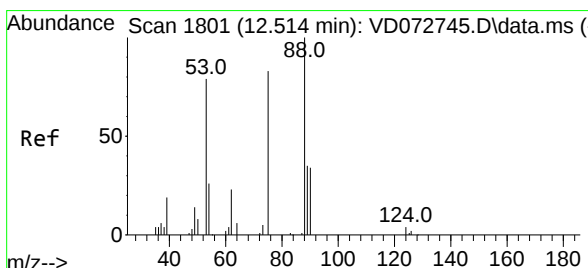
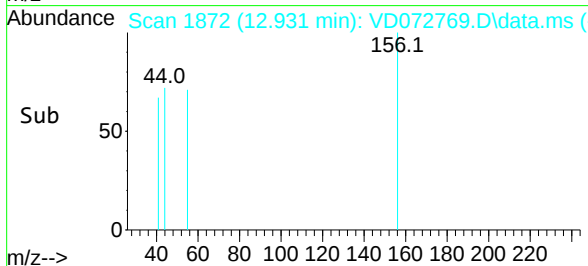
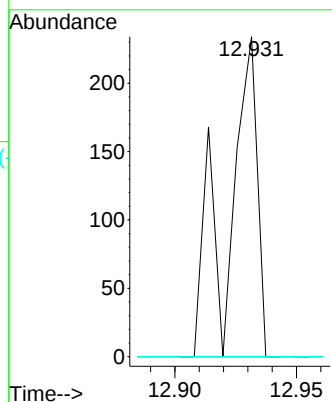
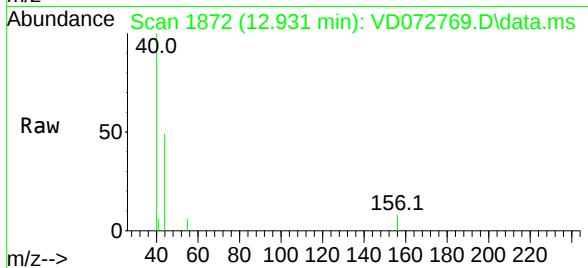
Tgt Ion:156 Resp: 196

Ion Ratio Lower Upper

156 100

77 0.0 102.8 308.3#

158 0.0 48.7 146.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.812 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.112 min

Lab File: VD072769.D

Acq: 03 May 2022 15:26

Tgt Ion: 75 Resp: 1698

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.0 33.9 50.9#

