

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073392.D
 Acq On : 26 May 2022 17:04
 Operator : VA/SY
 Sample : N3057-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-1193

Quant Time: May 27 01:32:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

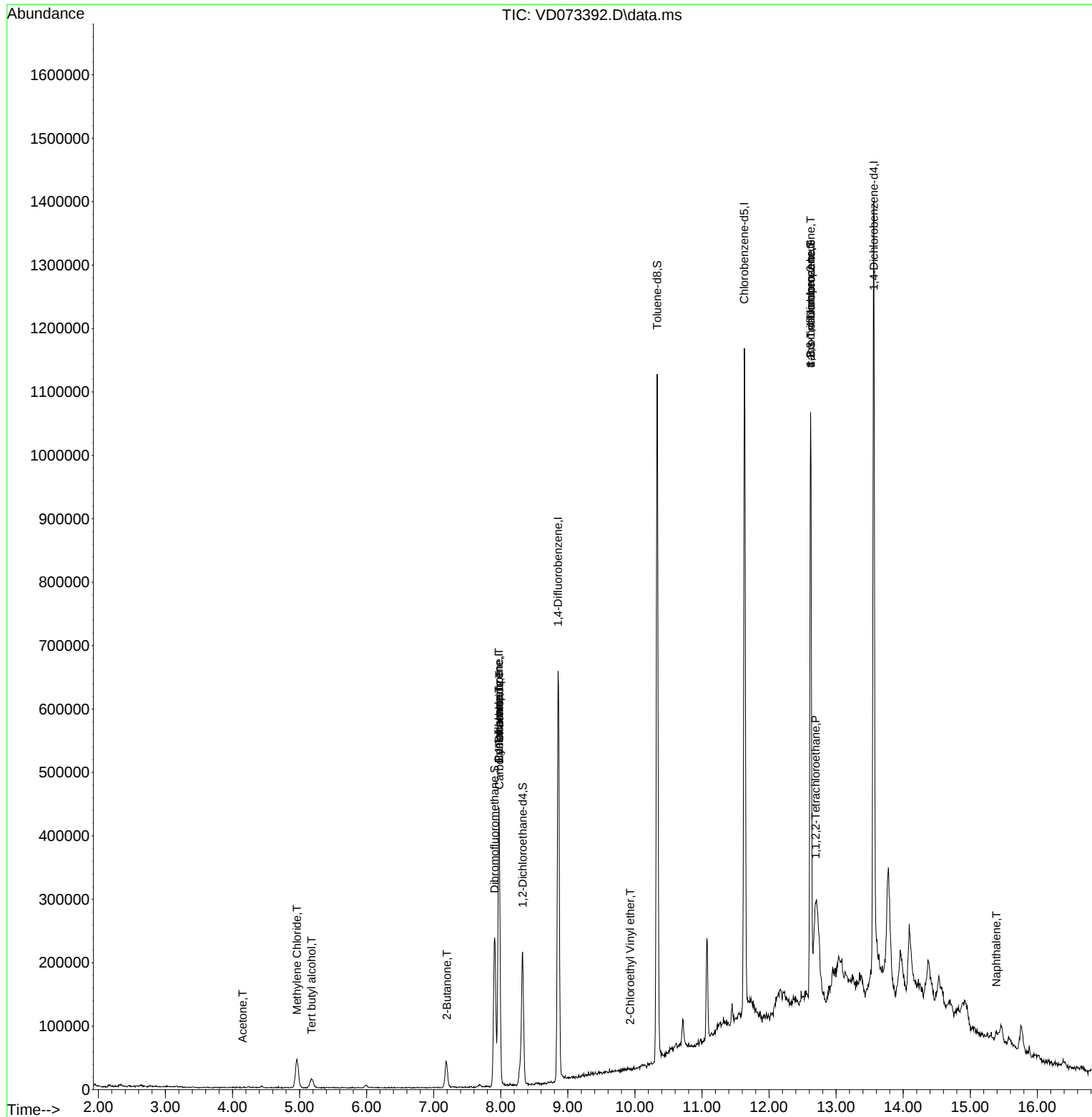
Internal Standards						
1) Pentafluorobenzene	7.973	168	313497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	564899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	637750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	311665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159897	46.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.300%
35) Dibromofluoromethane	7.908	113	176757	47.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.840%
50) Toluene-d8	10.332	98	731893	53.264	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.520%
62) 4-Bromofluorobenzene	12.620	95	315245	65.374	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	130.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	714	Below Cal	#	31
11) Tert butyl alcohol	5.179	59	12876	23.954	ug/l #	75
13) Acrolein	3.832	56	83	Below Cal	#	14
16) Acetone	4.150	43	722	1.203	ug/l #	47
20) Methylene Chloride	4.961	84	36707	6.141	ug/l #	81
25) 2-Butanone	7.197	43	1871	2.131	ug/l #	52
31) Cyclohexane	7.973	56	7359	1.215	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	25328	4.518	ug/l #	54
38) Carbon Tetrachloride	7.979	117	30540	5.374	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.932	63	59	21.655	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.696	83	45726	11.159	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	154106	50.395	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	154106	120.983	ug/l #	7
95) Naphthalene	15.390	128	1351	3.665	ug/l #	44

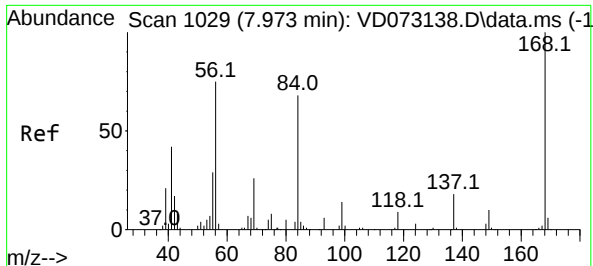
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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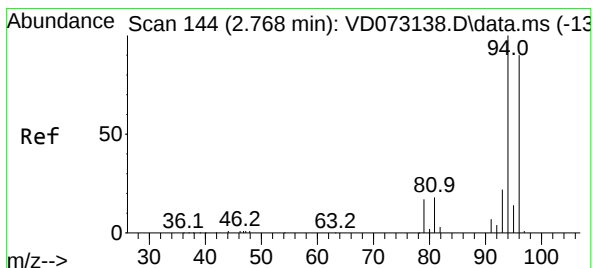
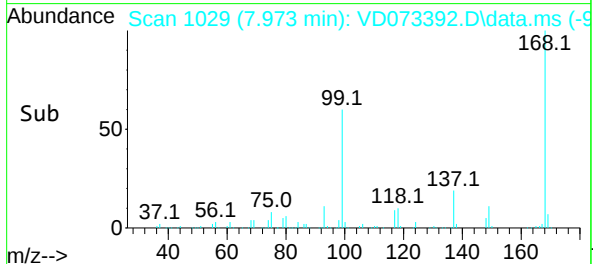
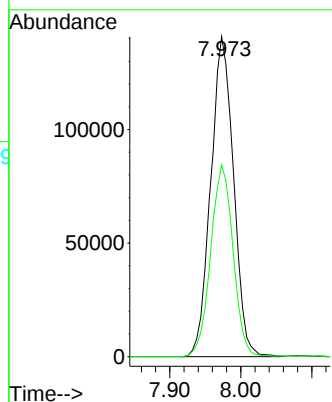
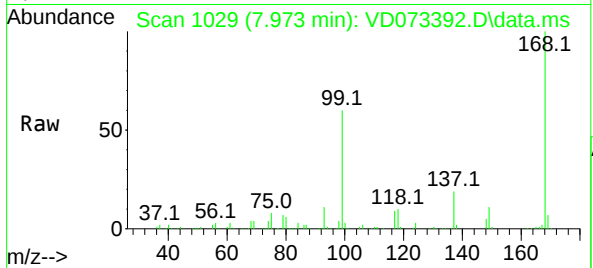




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

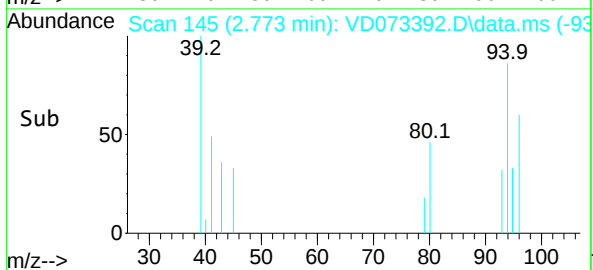
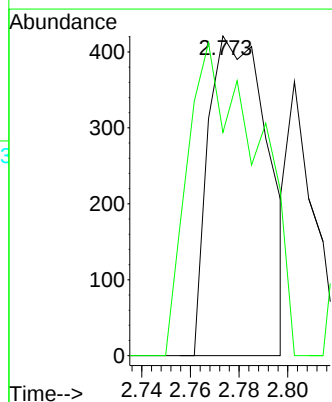
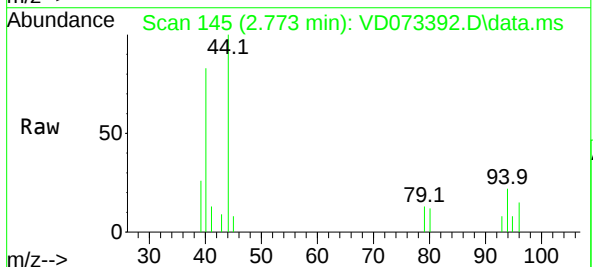
Instrument :
MSVOA_D
ClientSampleId :
72-1193

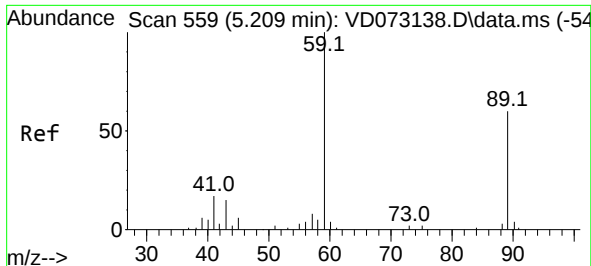
Tgt Ion:168 Resp: 313497
Ion Ratio Lower Upper
168 100
99 59.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Tgt Ion: 94 Resp: 714
Ion Ratio Lower Upper
94 100
96 29.5 77.6 116.4#





#11

Tert butyl alcohol

Concen: 23.954 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD073392.D

Acq: 26 May 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

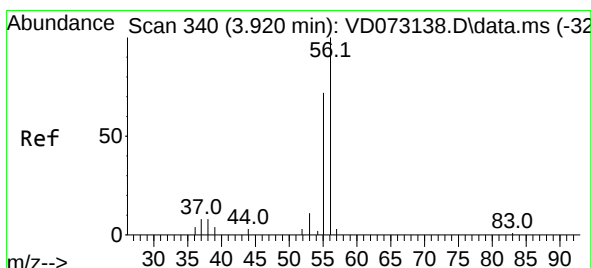
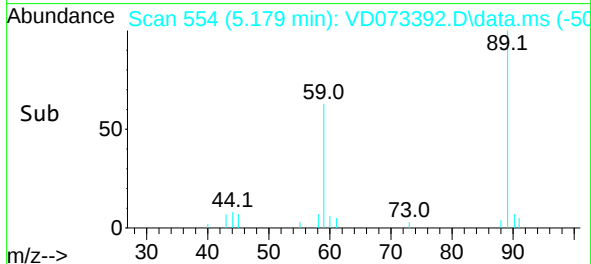
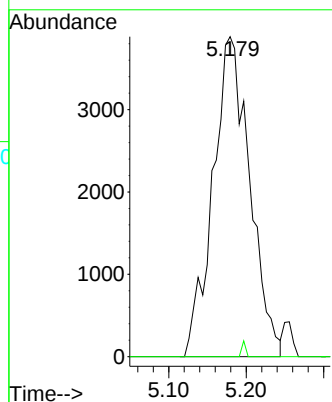
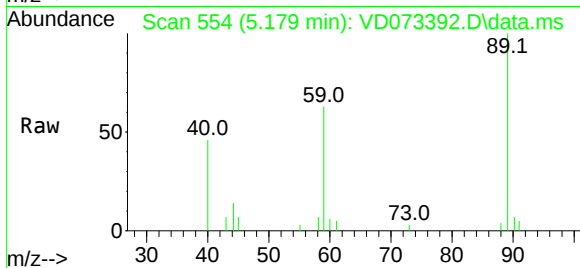
72-1193

Tgt Ion: 59 Resp: 12876

Ion Ratio Lower Upper

59 100

57 0.5 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 3.832 min Scan# 325

Delta R.T. -0.088 min

Lab File: VD073392.D

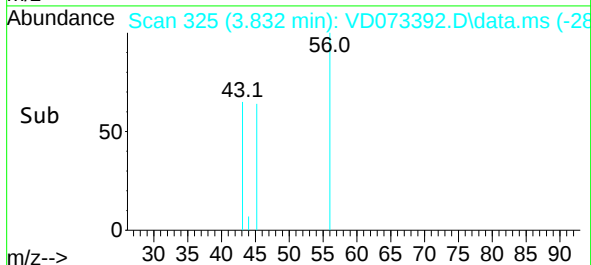
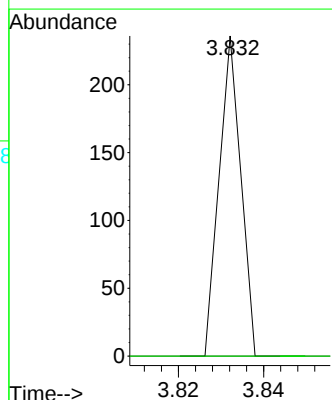
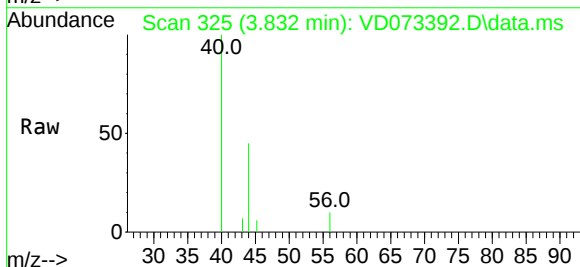
Acq: 26 May 2022 17:04

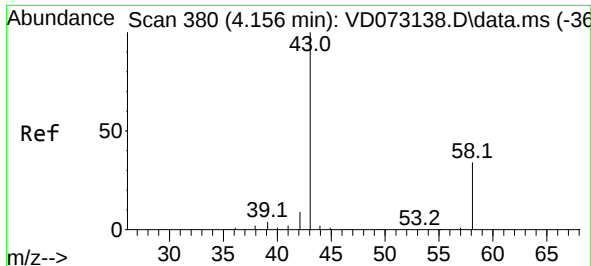
Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

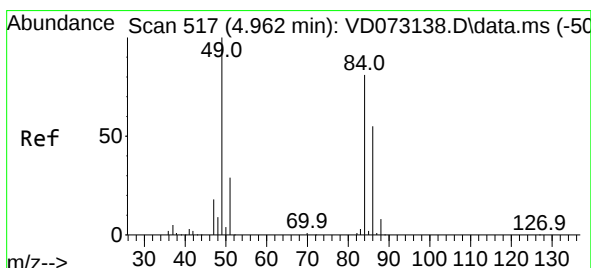
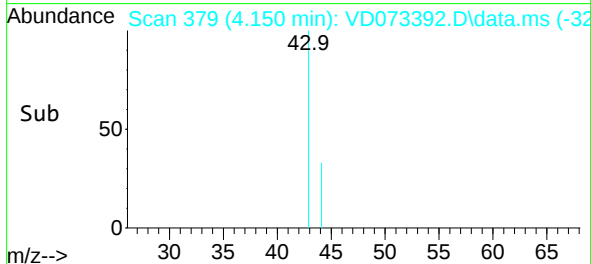
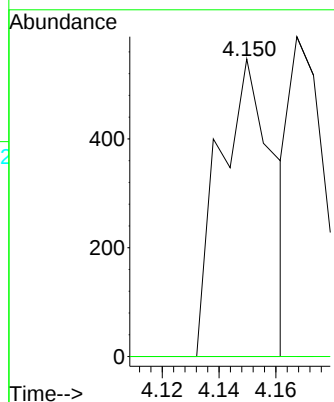
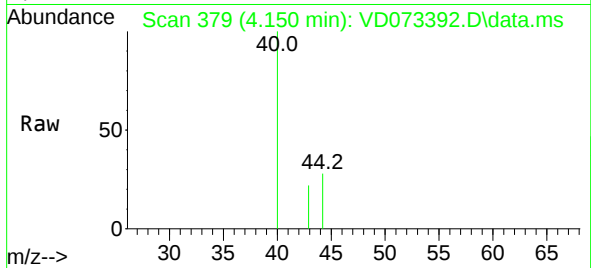




#16
Acetone
Concen: 1.203 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

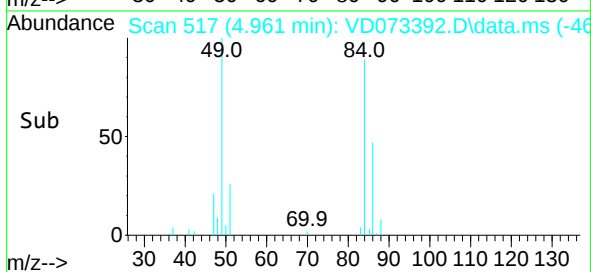
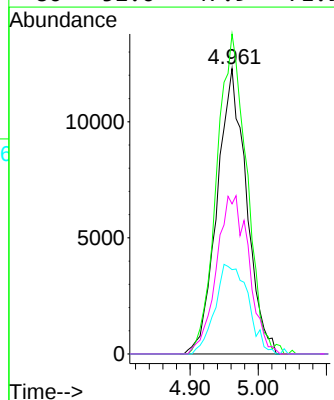
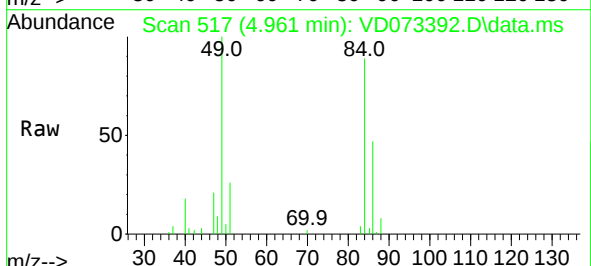
Instrument :
MSVOA_D
ClientSampleId :
72-1193

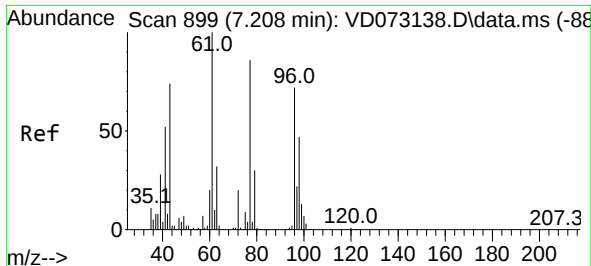
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 6.141 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Tgt Ion: 84 Resp: 36707
Ion Ratio Lower Upper
84 100
49 112.1 112.8 169.2#
51 29.5 32.6 48.8#
86 52.6 47.9 71.9

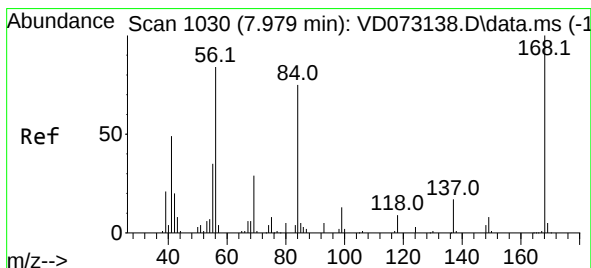
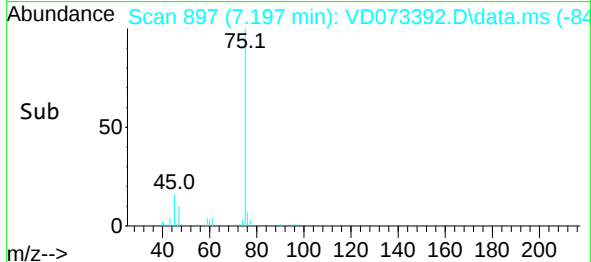
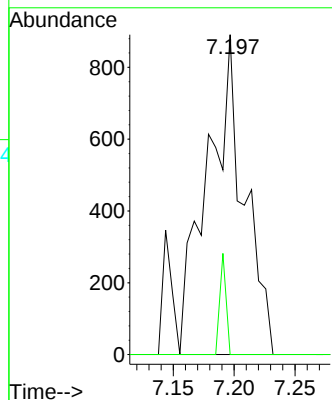
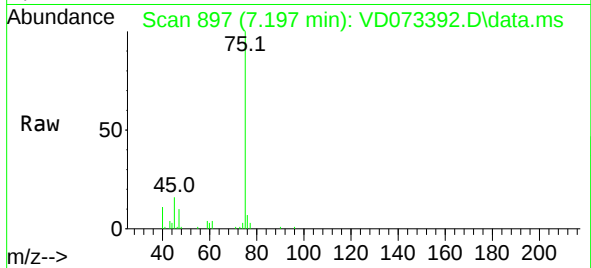




#25
2-Butanone
Concen: 2.131 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.011 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

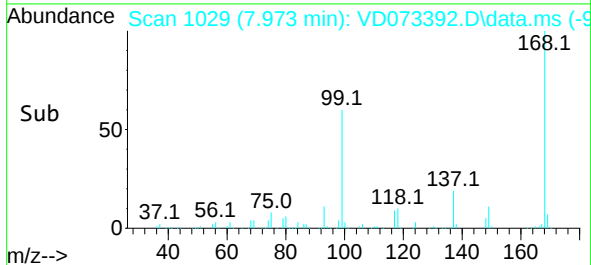
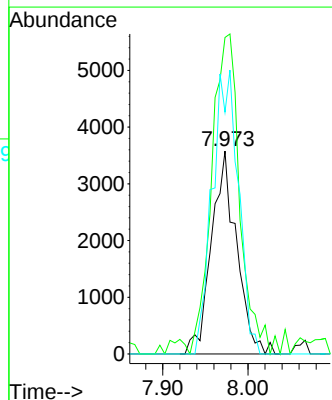
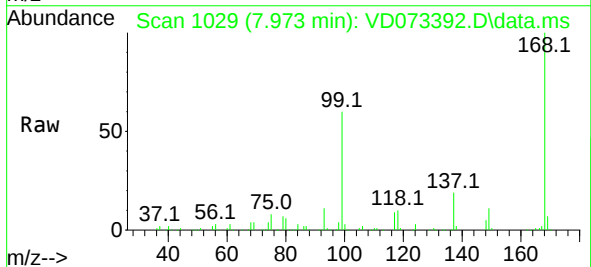
Instrument :
MSVOA_D
ClientSampleId :
72-1193

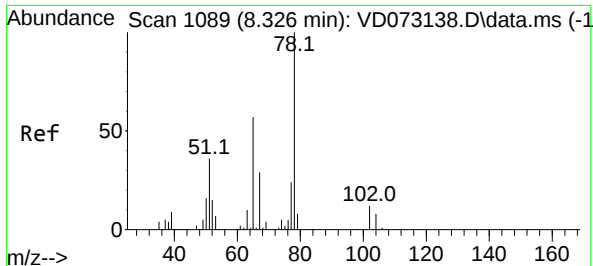
Tgt Ion: 43 Resp: 1871
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Tgt Ion: 56 Resp: 7359
Ion Ratio Lower Upper
56 100
69 156.0 25.4 38.2#
84 119.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.152 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073392.D

Acq: 26 May 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

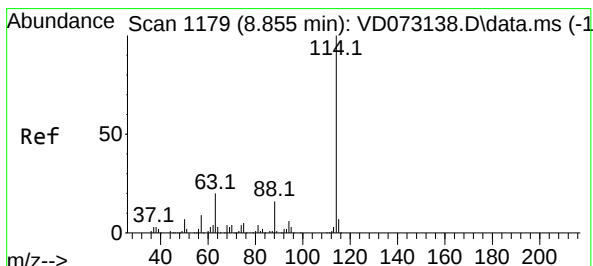
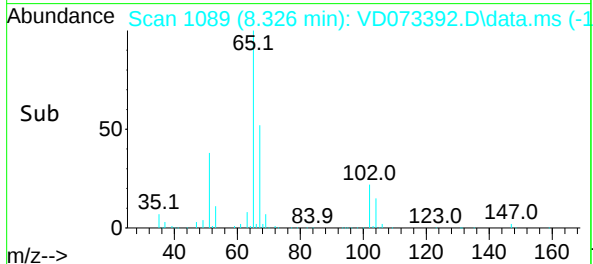
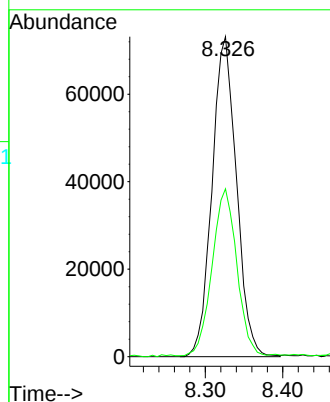
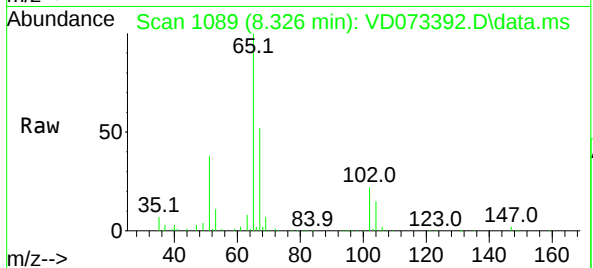
72-1193

Tgt Ion: 65 Resp: 159897

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073392.D

Acq: 26 May 2022 17:04

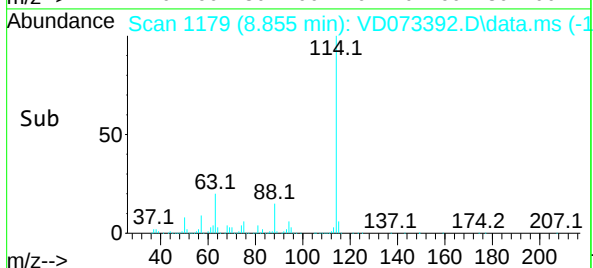
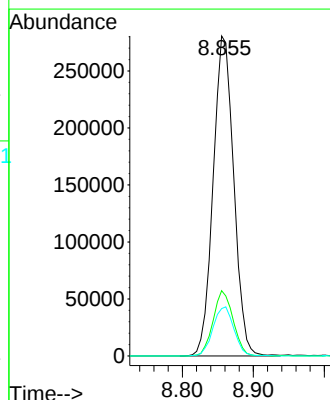
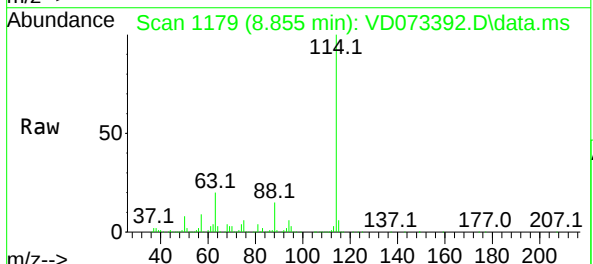
Tgt Ion: 114 Resp: 564899

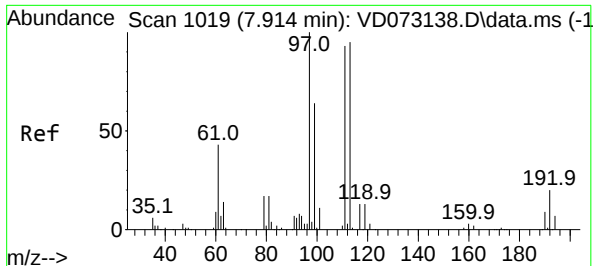
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 14.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.419 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073392.D

Acq: 26 May 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

72-1193

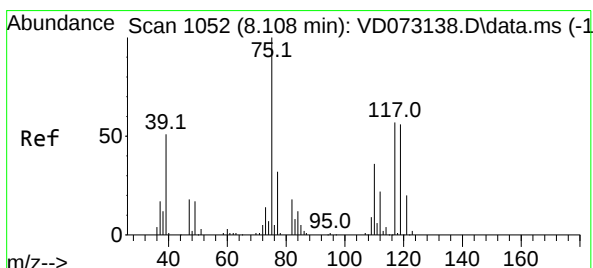
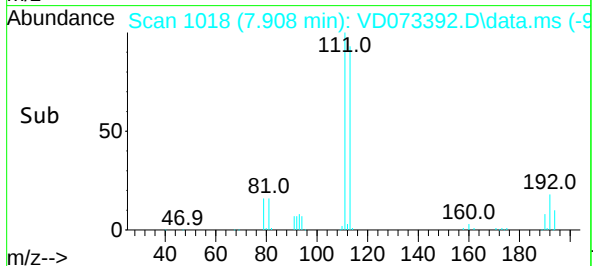
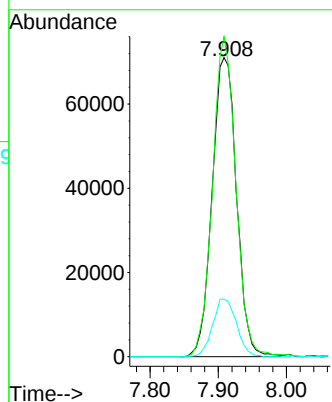
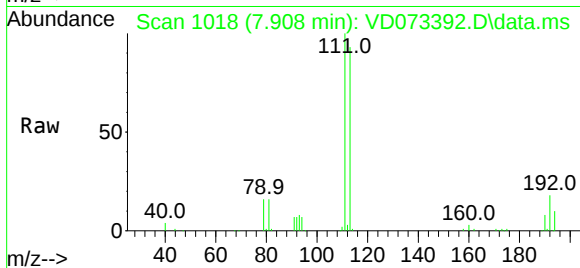
Tgt Ion:113 Resp: 176757

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.518 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073392.D

Acq: 26 May 2022 17:04

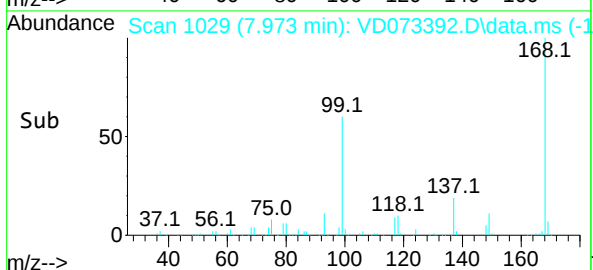
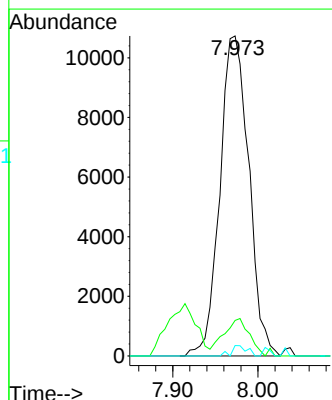
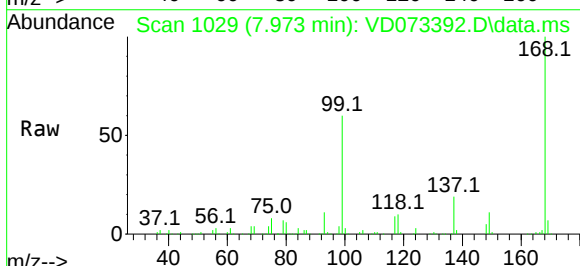
Tgt Ion: 75 Resp: 25328

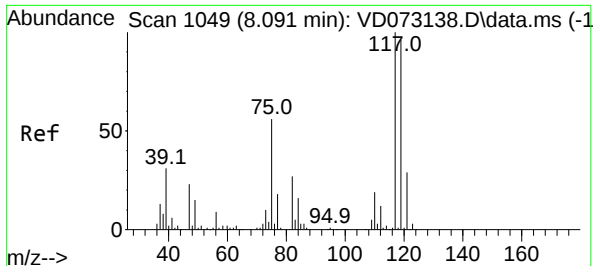
Ion Ratio Lower Upper

75 100

110 10.4 16.4 49.1#

77 1.7 24.2 36.2#

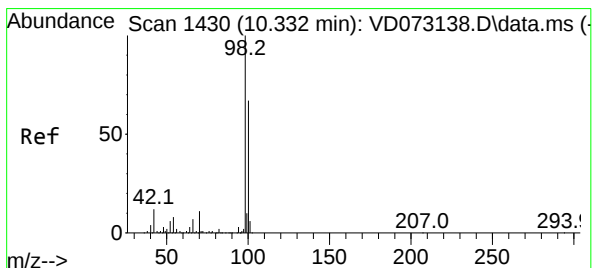
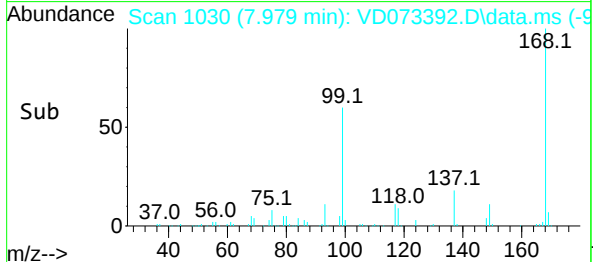
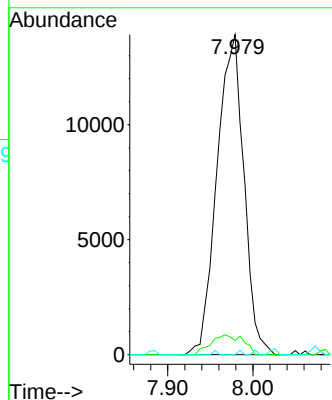
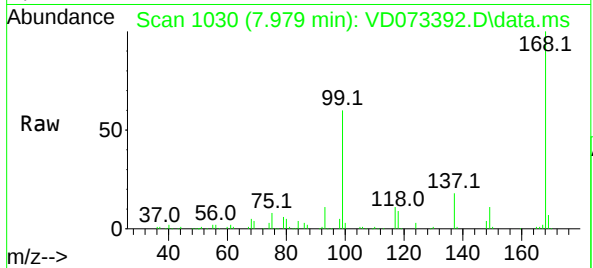




#38
Carbon Tetrachloride
Concen: 5.374 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

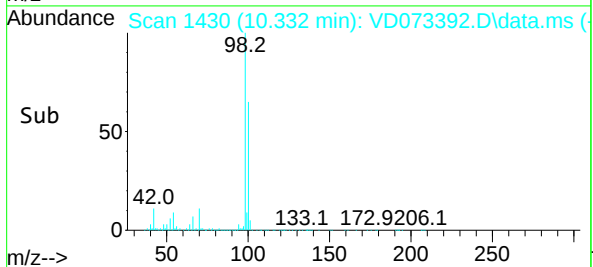
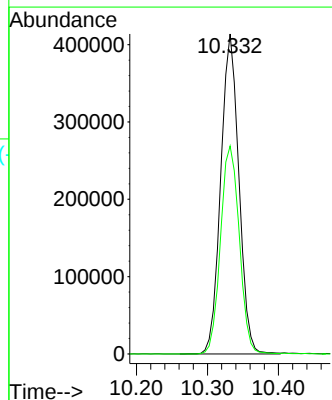
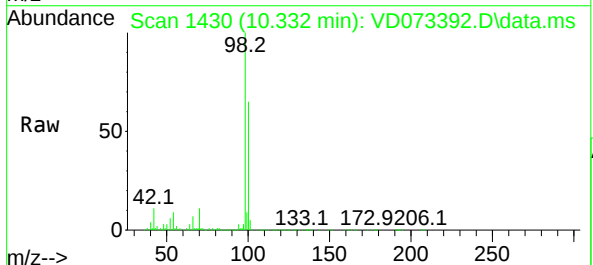
Instrument :
MSVOA_D
ClientSampleId :
72-1193

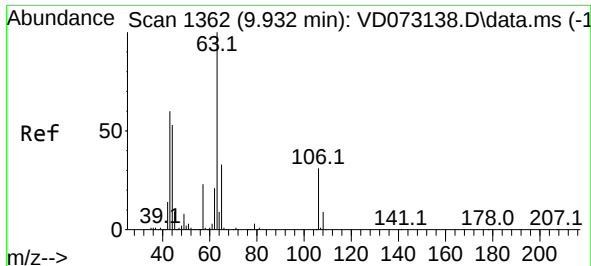
Tgt Ion:117 Resp: 30540
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.264 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Tgt Ion: 98 Resp: 731893
Ion Ratio Lower Upper
98 100
100 67.1 52.4 78.6





#58

2-Chloroethyl Vinyl ether

Concen: 21.655 ug/l

RT: 9.932 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073392.D

Acq: 26 May 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

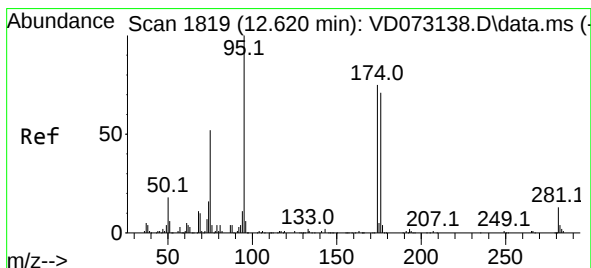
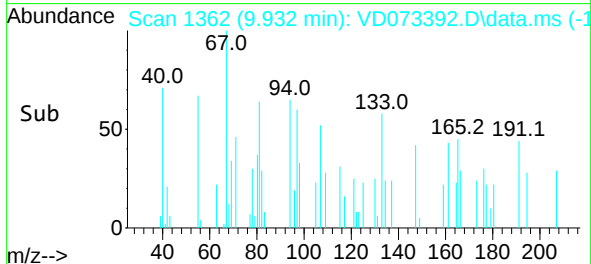
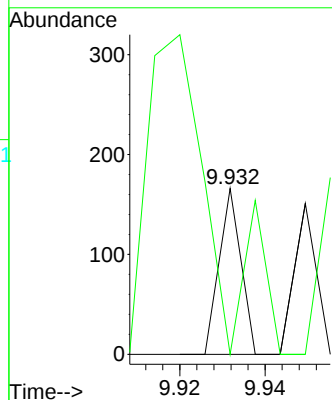
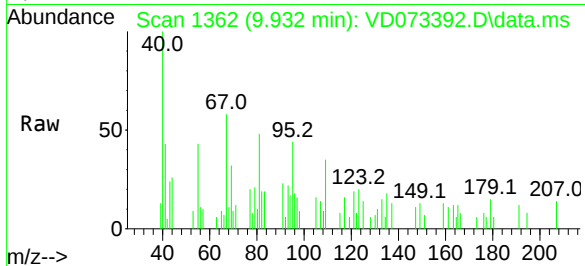
72-1193

Tgt Ion: 63 Resp: 59

Ion Ratio Lower Upper

63 100

106 566.1 21.4 32.0#



#62

4-Bromofluorobenzene

Concen: 65.374 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073392.D

Acq: 26 May 2022 17:04

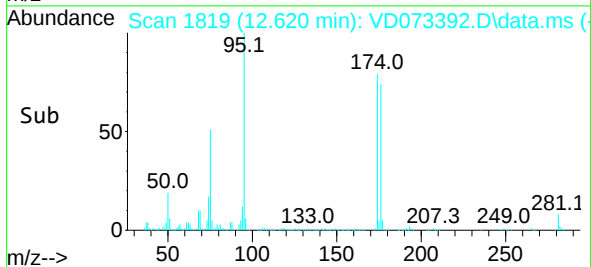
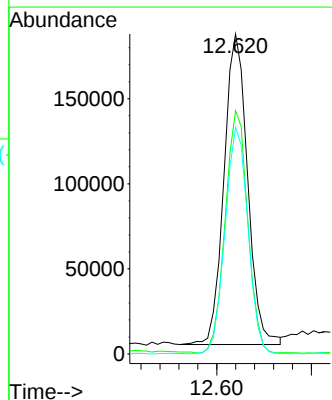
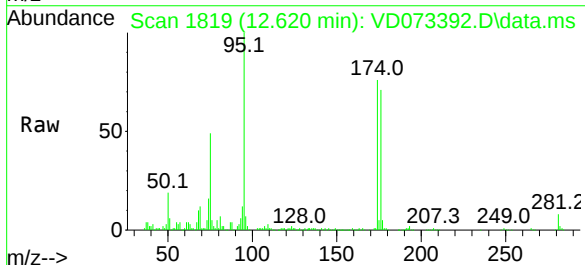
Tgt Ion: 95 Resp: 315245

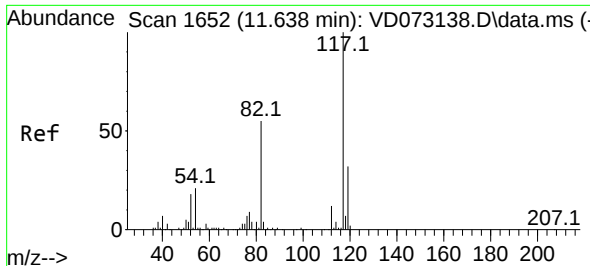
Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.8

176 70.8 0.0 145.4

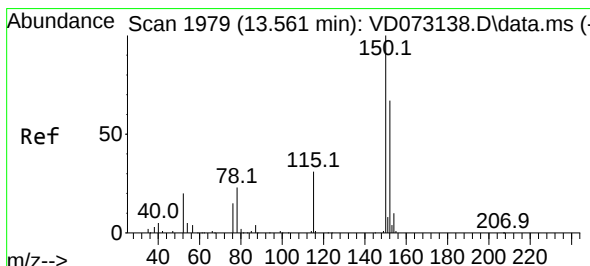
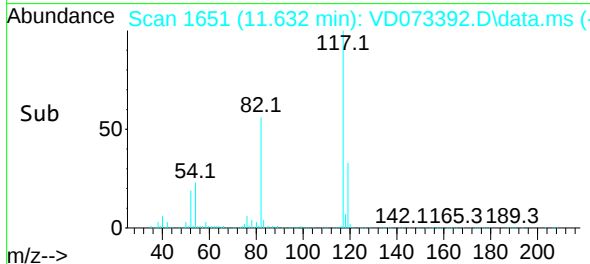
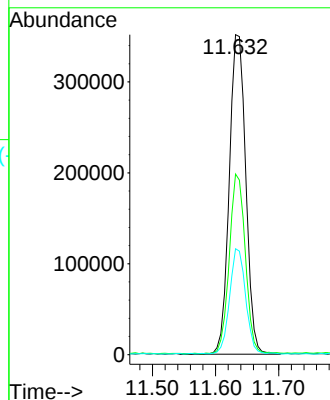
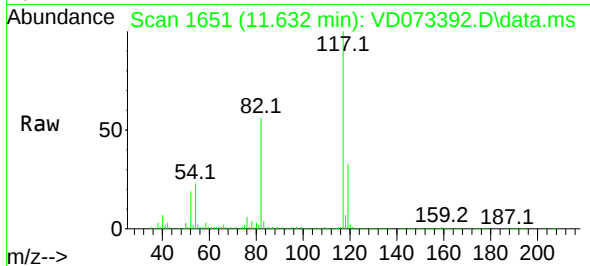




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

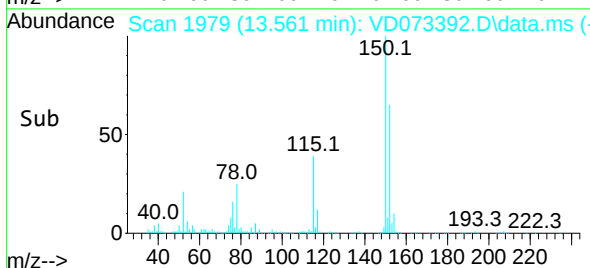
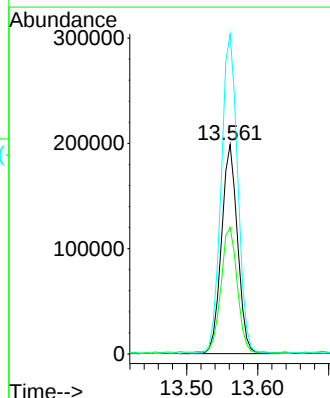
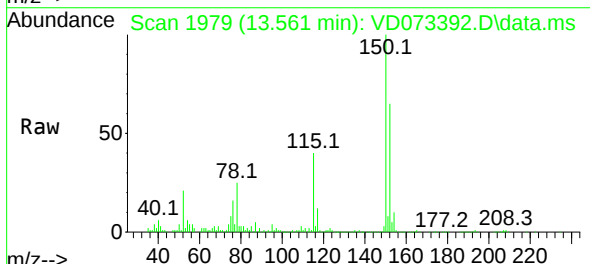
Instrument :
MSVOA_D
ClientSampleId :
72-1193

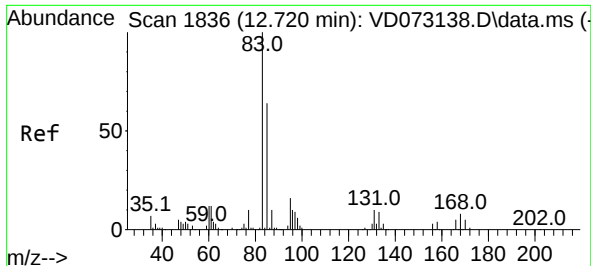
Tgt Ion:117 Resp: 637750
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Tgt Ion:152 Resp: 311665
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 155.9 0.0 348.6

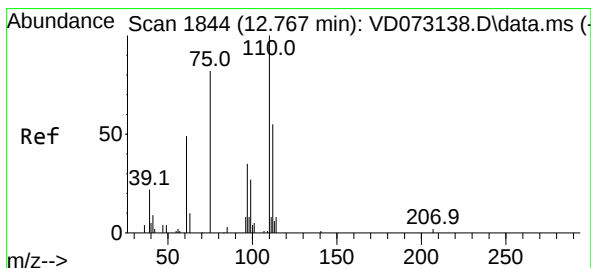
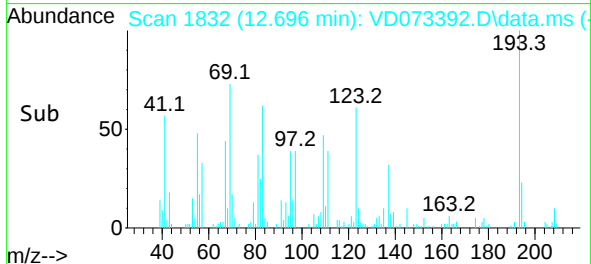
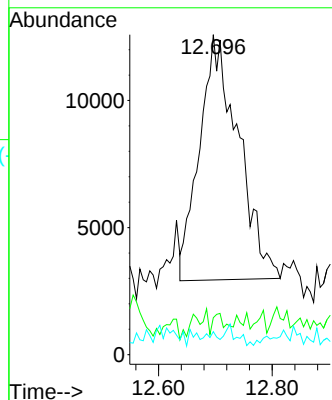
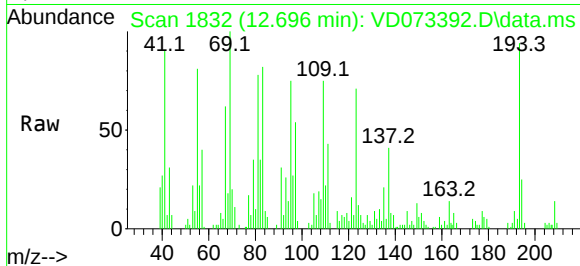




#75
1,1,2,2-Tetrachloroethane
Concen: 11.159 ug/l
RT: 12.696 min Scan# 1819
Delta R.T. -0.024 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

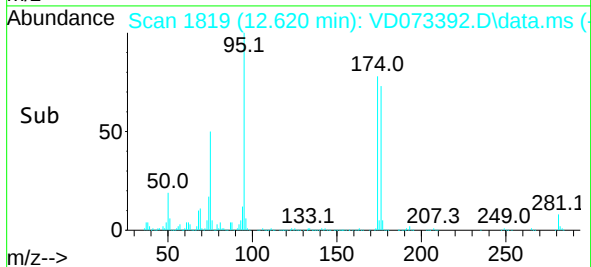
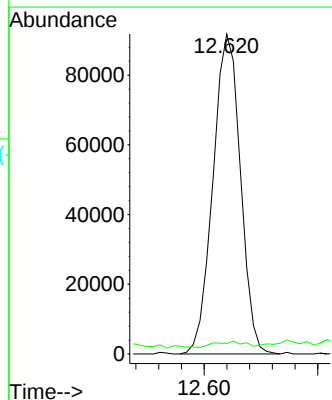
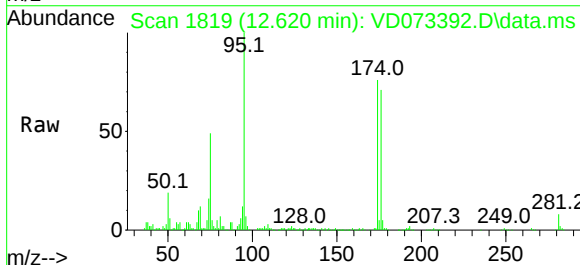
Instrument :
MSVOA_D
ClientSampleId :
72-1193

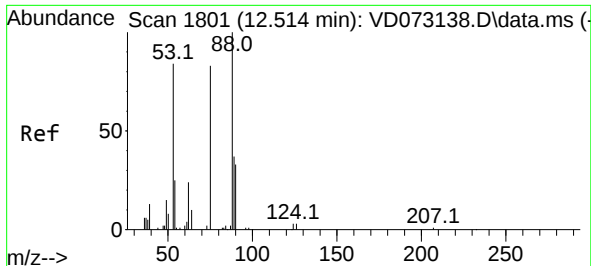
Tgt Ion: 83 Resp: 45726
Ion Ratio Lower Upper
83 100
131 2.7 5.0 14.9#
85 1.4 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 50.395 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Tgt Ion: 75 Resp: 154106
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

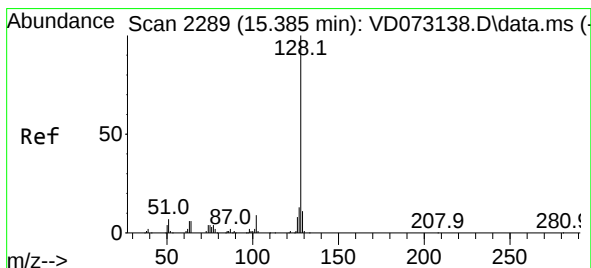
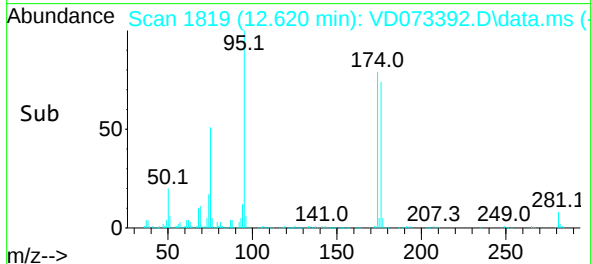
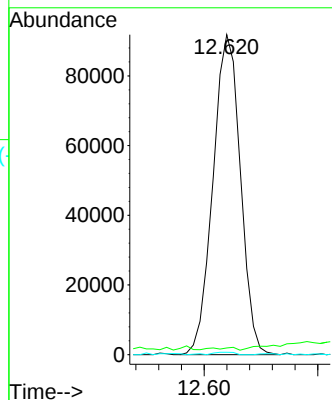
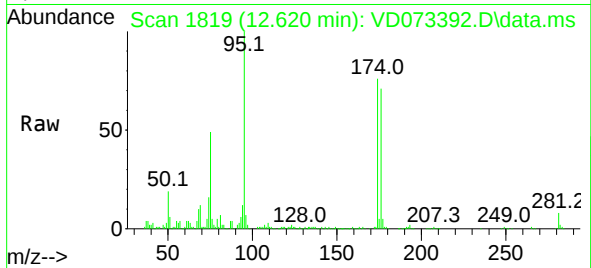




#81
trans-1,4-Dichloro-2-butene
Concen: 120.983 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Instrument :
MSVOA_D
ClientSampleId :
72-1193

Tgt Ion: 75 Resp: 154106
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.7 33.9 50.9#



#95
Naphthalene
Concen: 3.665 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073392.D
Acq: 26 May 2022 17:04

Tgt Ion: 128 Resp: 1351
Ion Ratio Lower Upper
128 100
127 44.6 10.3 15.5#
129 20.7 8.4 12.6#

