

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072649.D
 Acq On : 20 Apr 2022 16:08
 Operator : VA/SY
 Sample : N2466-01
 Misc : 4.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E14ST-EB2-041822-0-2

Quant Time: Apr 21 01:51:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

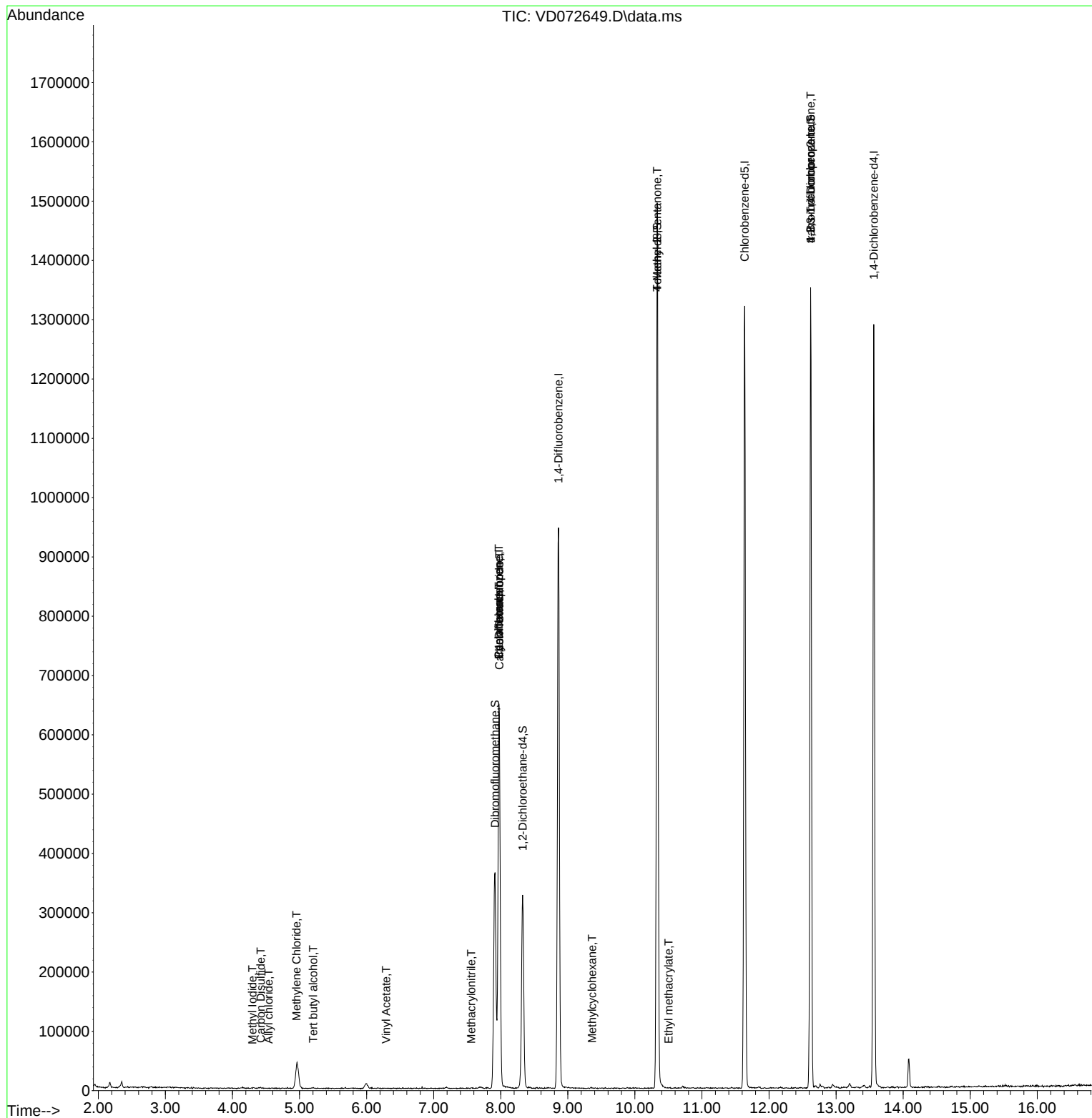
Internal Standards						
1) Pentafluorobenzene	7.973	168	472565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	839178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	784084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	344620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	257800	45.097	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.200%		
35) Dibromofluoromethane	7.914	113	273189	41.890	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.780%		
50) Toluene-d8	10.332	98	1008332	44.480	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.960%		
62) 4-Bromofluorobenzene	12.620	95	353659	39.946	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.900%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	626	3.845	ug/l	93
11) Tert butyl alcohol	5.203	59	773	2.561	ug/l #	74
14) Allyl chloride	4.538	41	58	1.134	ug/l #	22
17) Carbon Disulfide	4.421	76	3086	3.937	ug/l #	74
20) Methylene Chloride	4.956	84	33847	5.334	ug/l #	85
23) Vinyl Acetate	6.291	43	94	6.299	ug/l #	75
31) Cyclohexane	7.973	56	10025	1.341	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	38319	5.619	ug/l #	52
38) Carbon Tetrachloride	7.979	117	50369	5.606	ug/l #	18
39) Methylcyclohexane	9.361	83	470	2.922	ug/l #	69
41) Methacrylonitrile	7.562	41	281	1.793	ug/l #	22
51) 4-Methyl-2-Pentanone	10.332	43	4097	1.152	ug/l #	1
56) Ethyl methacrylate	10.503	69	58	1.200	ug/l #	46
76) 1,2,3-Trichloropropane	12.620	75	175385	46.662	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	175385	114.499	ug/l #	7

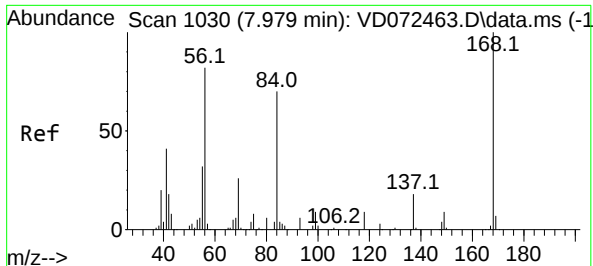
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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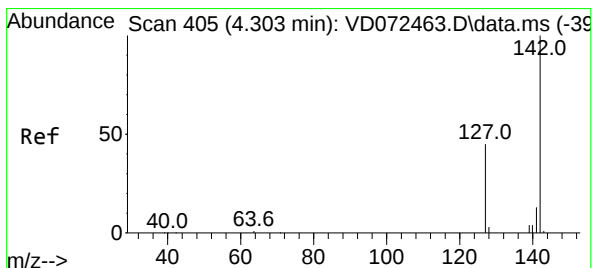
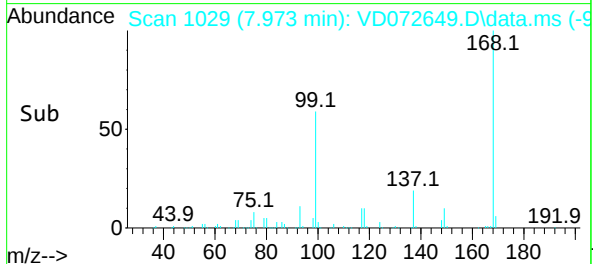
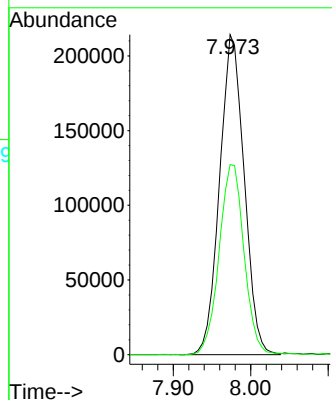
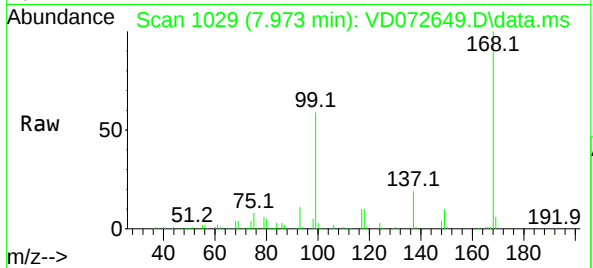




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

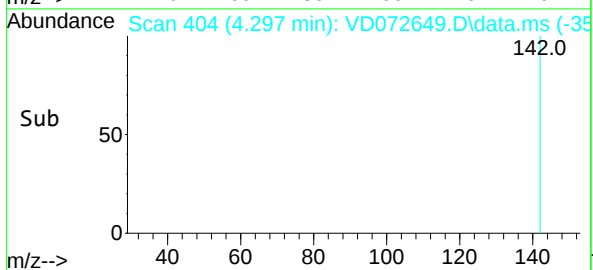
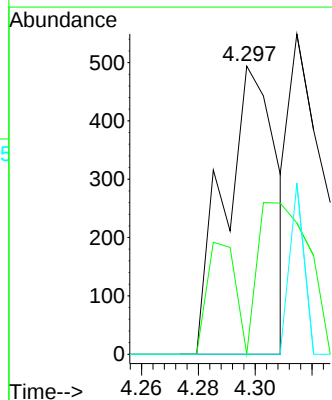
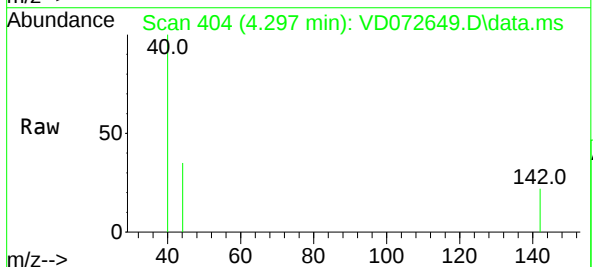
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2

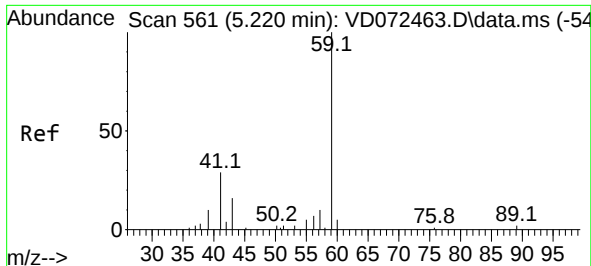
Tgt Ion:168 Resp: 472565
Ion Ratio Lower Upper
168 100
99 59.4 49.8 74.6



#10
Methyl Iodide
Concen: 3.845 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

Tgt Ion:142 Resp: 626
Ion Ratio Lower Upper
142 100
127 51.4 37.3 55.9
141 16.5 11.7 17.5

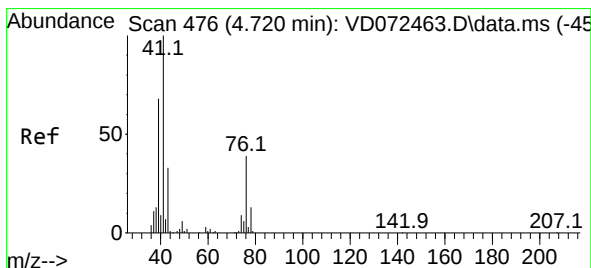
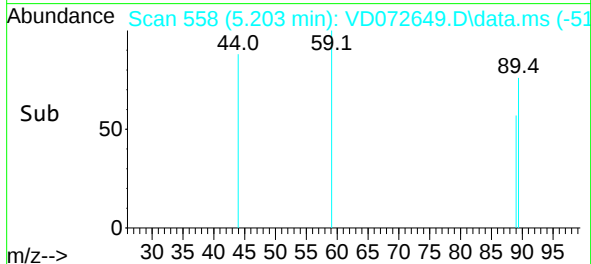
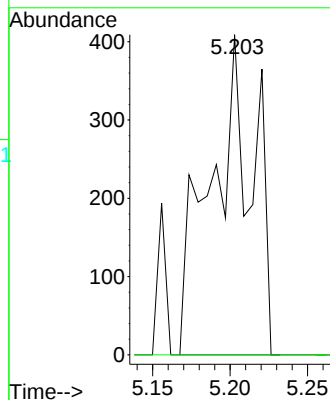
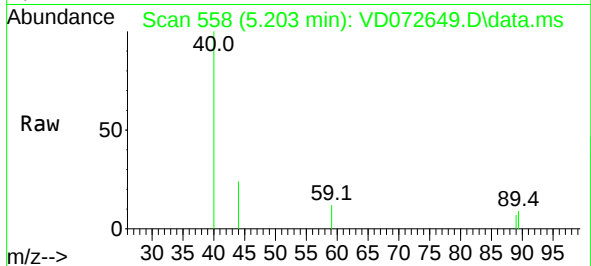




#11
Tert butyl alcohol
Concen: 2.561 ug/l
RT: 5.203 min Scan# 51
Delta R.T. -0.017 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

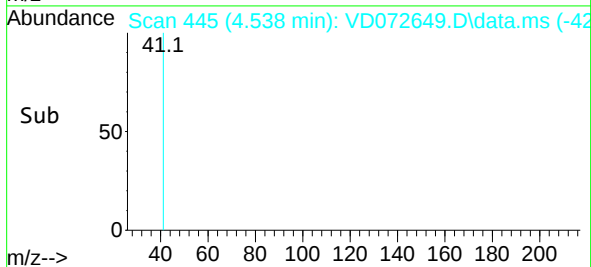
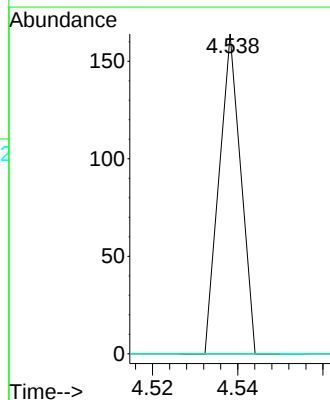
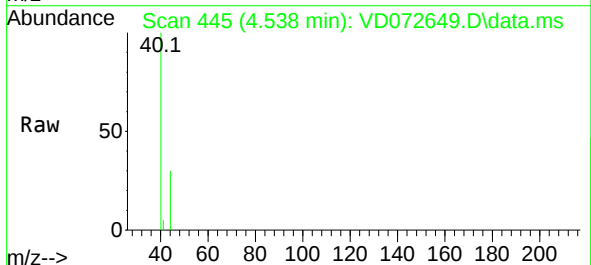
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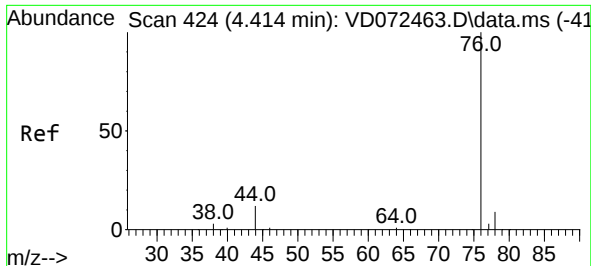
Tgt Ion: 59 Resp: 773
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.134 ug/l
RT: 4.538 min Scan# 445
Delta R.T. -0.182 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

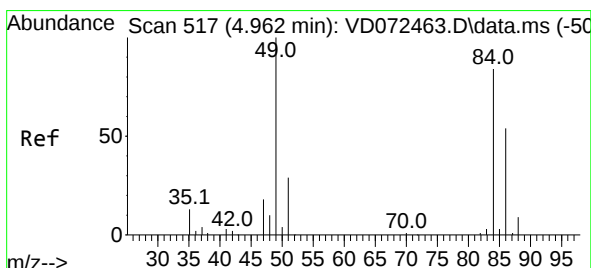
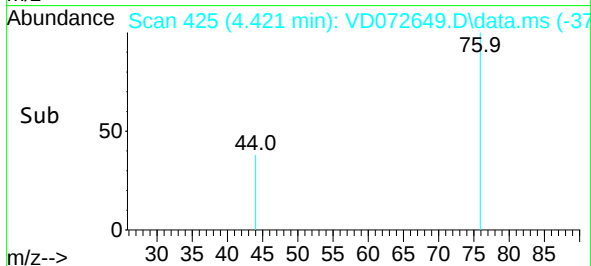
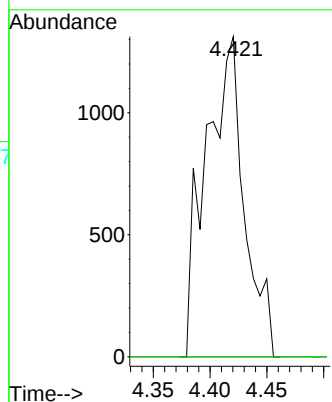
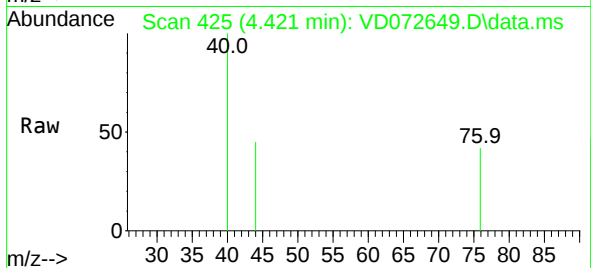




#17
Carbon Disulfide
Concen: 3.937 ug/l
RT: 4.421 min Scan# 41
Delta R.T. 0.007 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

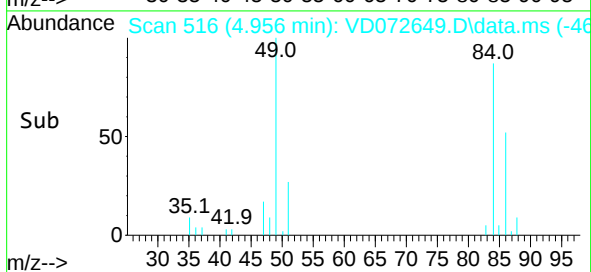
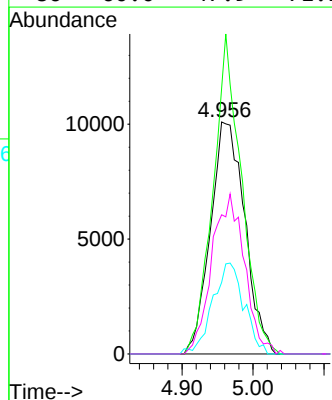
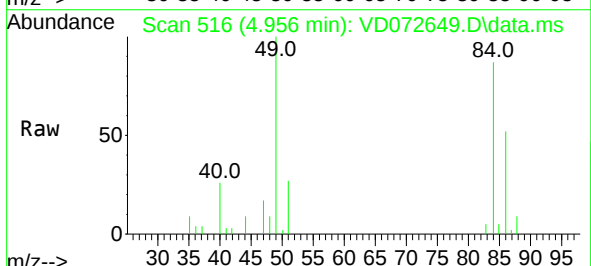
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2

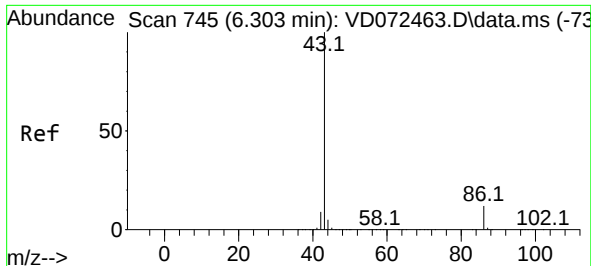
Tgt Ion: 76 Resp: 3086
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 5.334 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

Tgt Ion: 84 Resp: 33847
Ion Ratio Lower Upper
84 100
49 114.6 112.8 169.2
51 30.8 32.6 48.8#
86 60.0 47.9 71.9

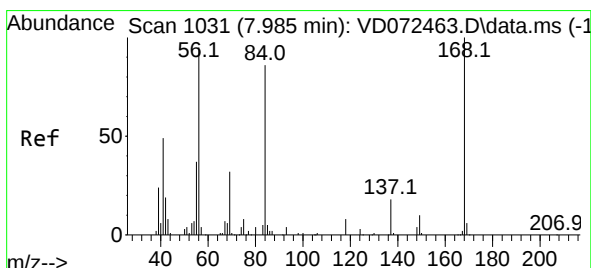
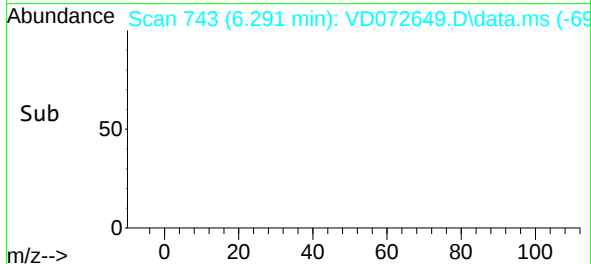
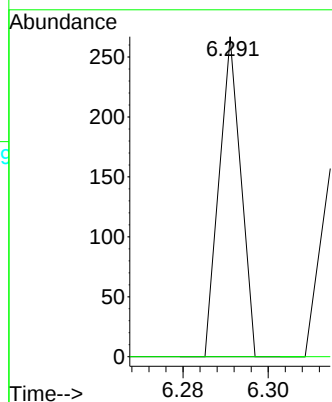
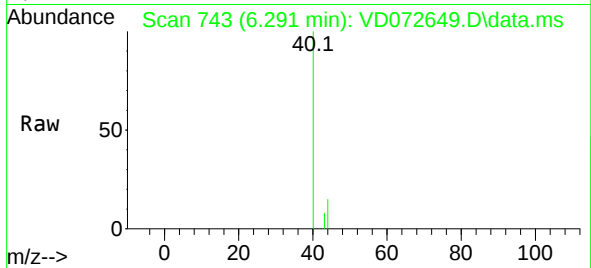




#23
 Vinyl Acetate
 Concen: 6.299 ug/l
 RT: 6.291 min Scan# 745
 Delta R.T. -0.012 min
 Lab File: VD072649.D
 Acq: 20 Apr 2022 16:08

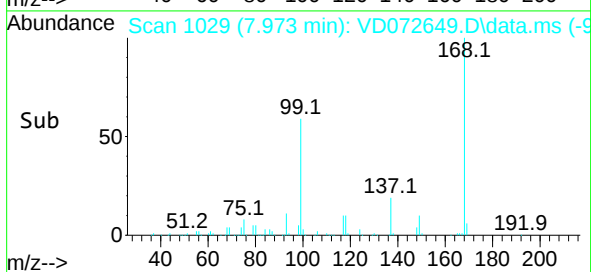
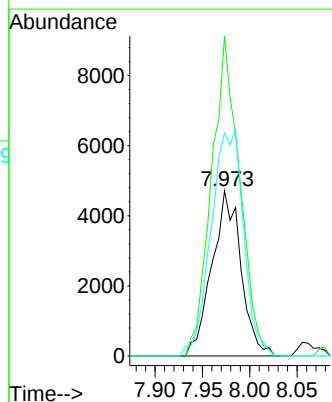
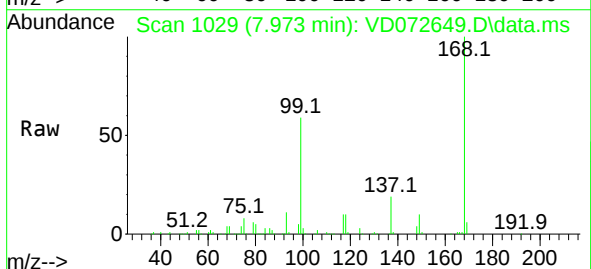
Instrument :
 MSVOA_D
 ClientSampleId :
 E14ST-EB2-041822-0-2

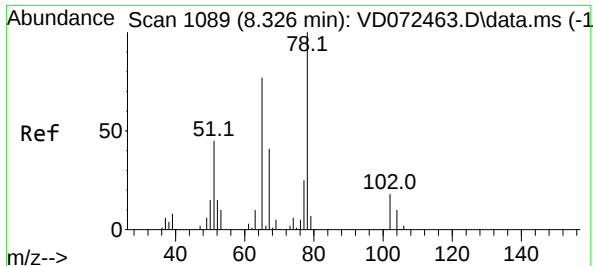
Tgt Ion: 43 Resp: 94
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.341 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD072649.D
 Acq: 20 Apr 2022 16:08

Tgt Ion: 56 Resp: 10025
 Ion Ratio Lower Upper
 56 100
 69 193.8 25.4 38.2#
 84 135.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.097 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072649.D

Acq: 20 Apr 2022 16:08

Instrument :

MSVOA_D

ClientSampleId :

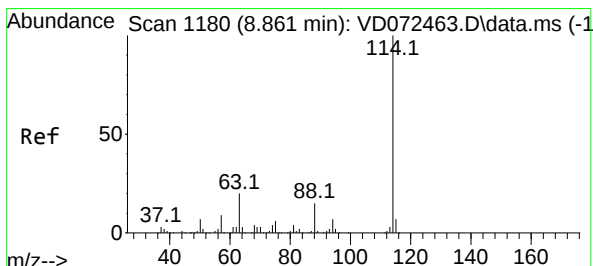
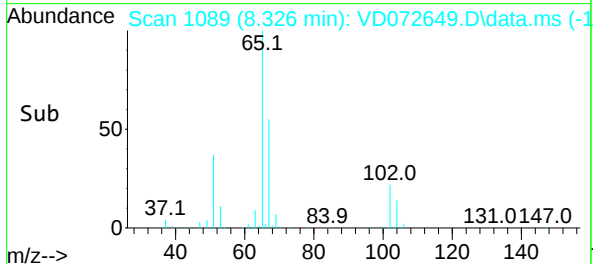
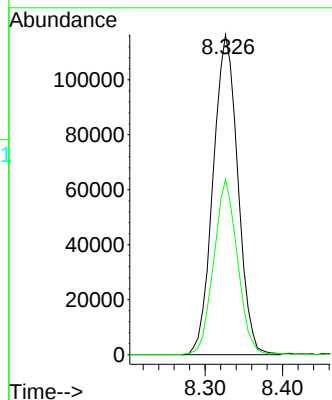
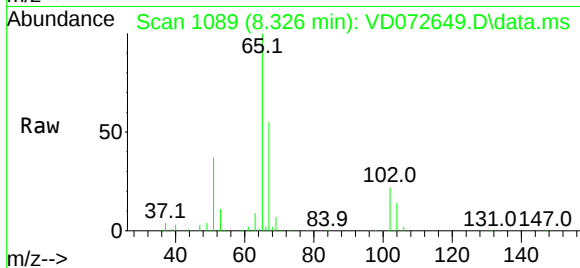
E14ST-EB2-041822-0-2

Tgt Ion: 65 Resp: 257800

Ion Ratio Lower Upper

65 100

67 52.4 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: VD072649.D

Acq: 20 Apr 2022 16:08

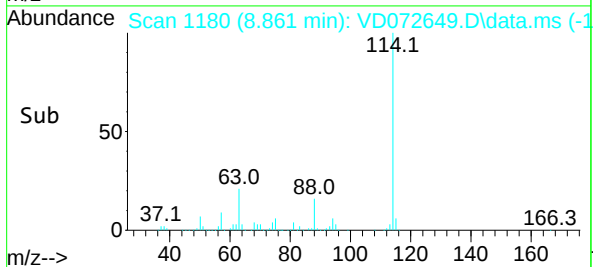
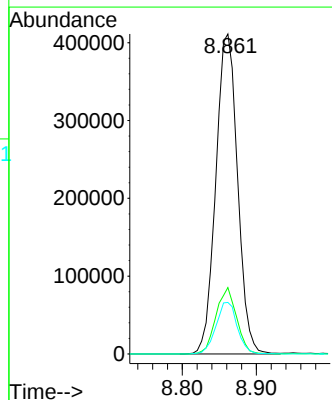
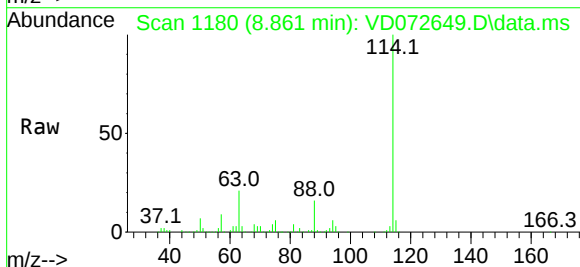
Tgt Ion: 114 Resp: 839178

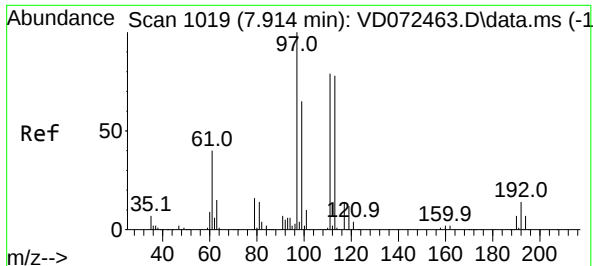
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.890 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072649.D

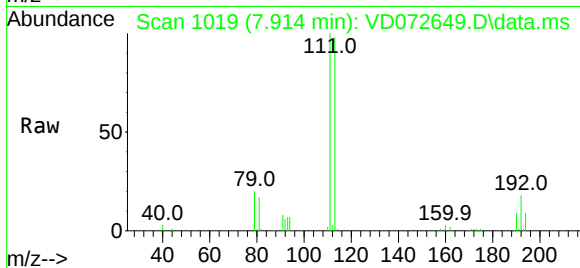
Acq: 20 Apr 2022 16:08

Instrument :

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ClientSampleId :

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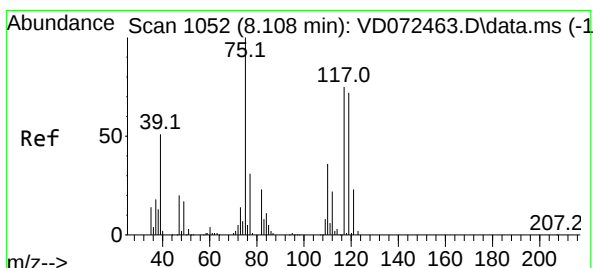
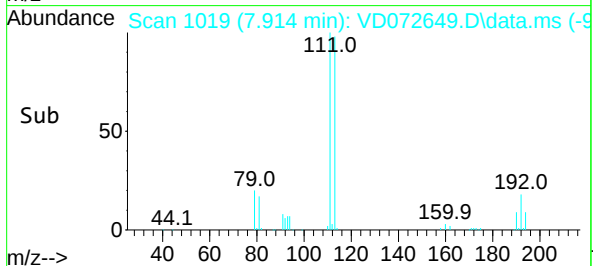
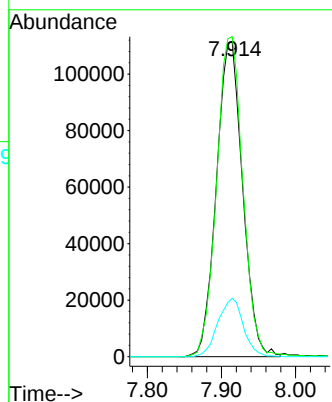
Tgt Ion:113 Resp: 273189

Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.619 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072649.D

Acq: 20 Apr 2022 16:08

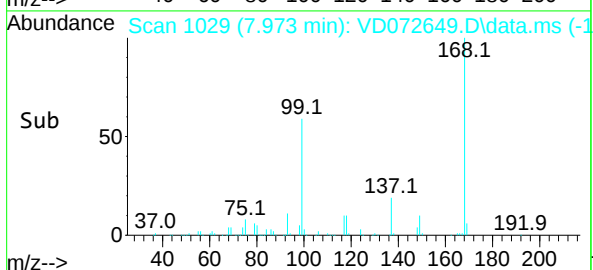
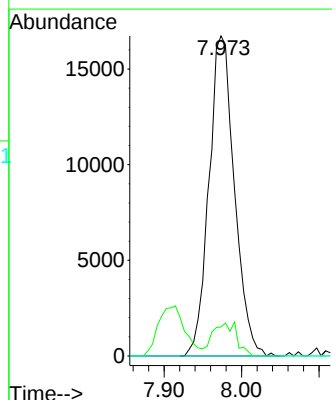
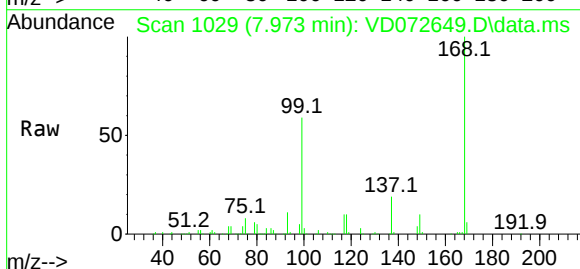
Tgt Ion: 75 Resp: 38319

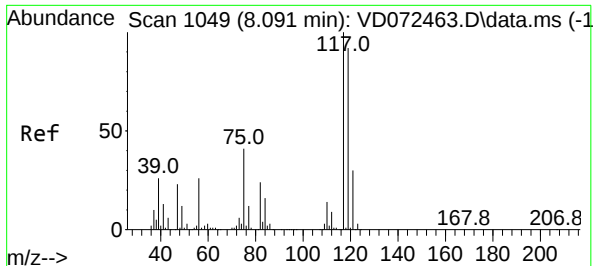
Ion Ratio Lower Upper

75 100

110 9.8 16.4 49.1#

77 0.0 24.2 36.2#

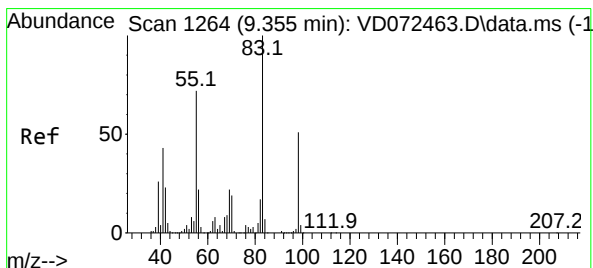
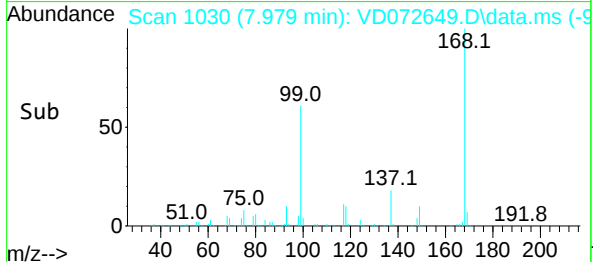
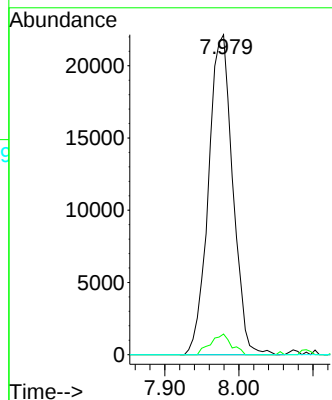
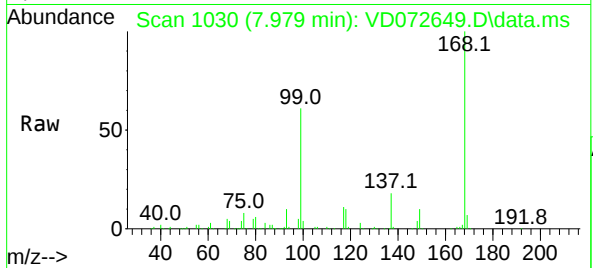




#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

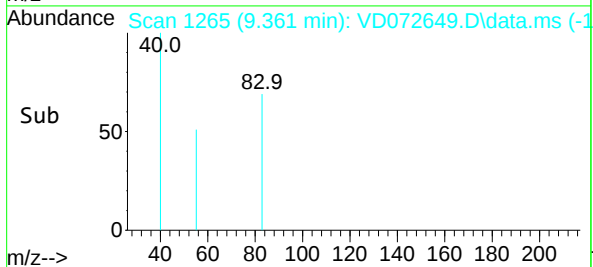
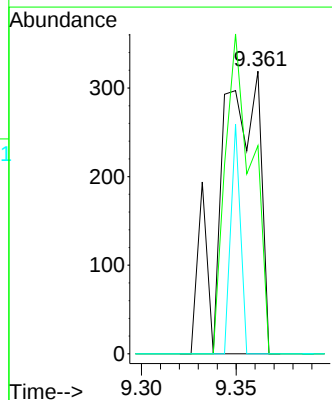
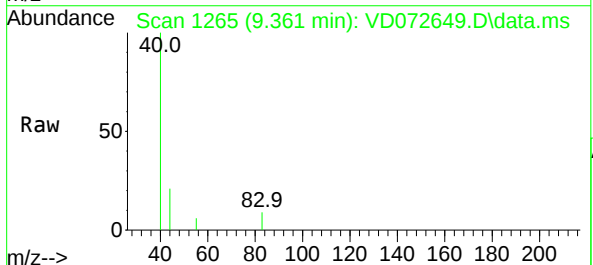
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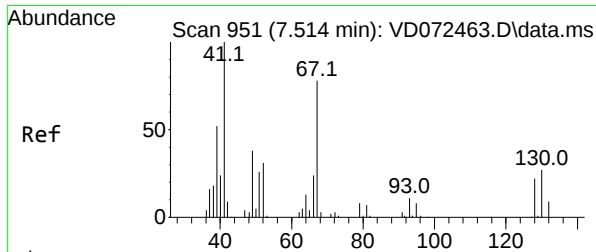
Tgt Ion:117 Resp: 50369
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.922 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

Tgt Ion: 83 Resp: 470
Ion Ratio Lower Upper
83 100
55 73.7 63.2 94.8
98 0.0 38.2 57.4#

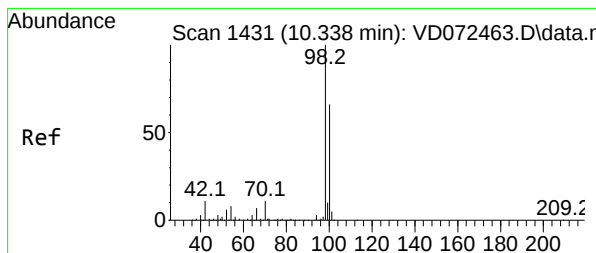
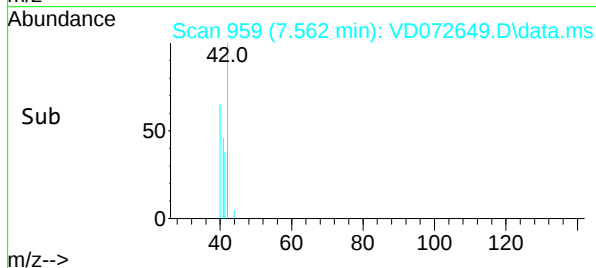
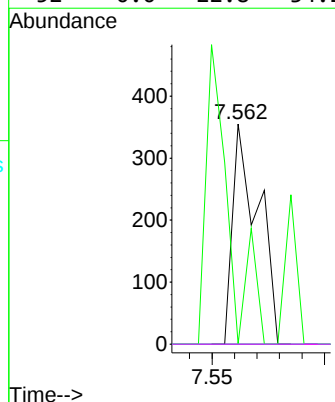
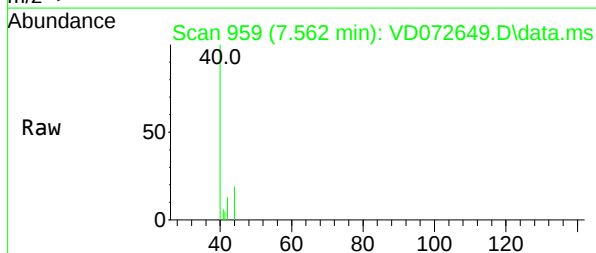




#41
Methacrylonitrile
Concen: 1.793 ug/l
RT: 7.562 min Scan# 951
Delta R.T. 0.048 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

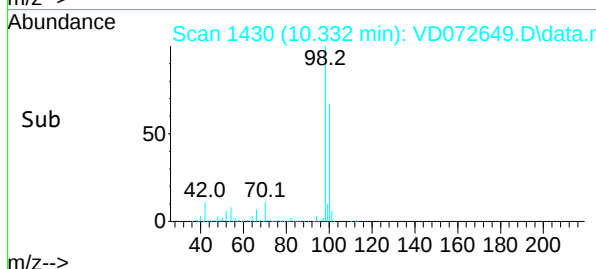
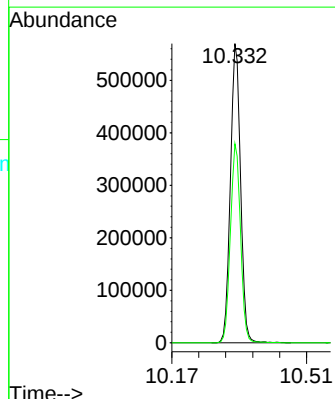
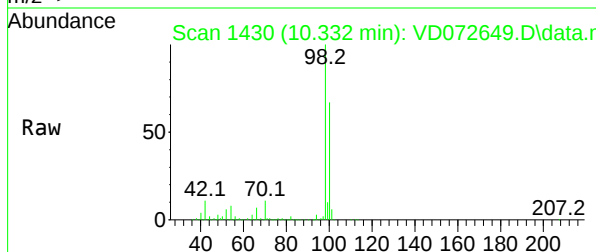
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2

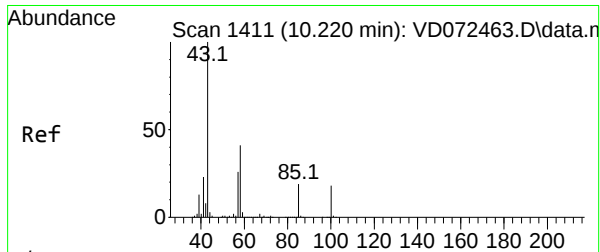
Tgt Ion:	41	Resp:	281
Ion	Ratio	Lower	Upper
41	100		
39	121.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#50
Toluene-d8
Concen: 44.480 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

Tgt Ion:	98	Resp:	1008332
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.4	78.6

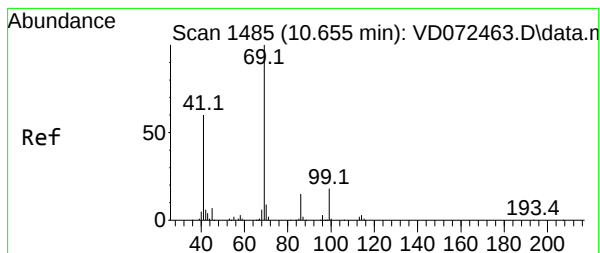
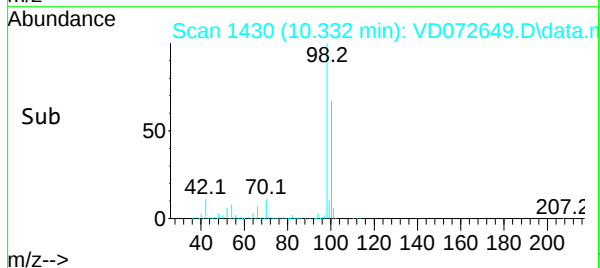
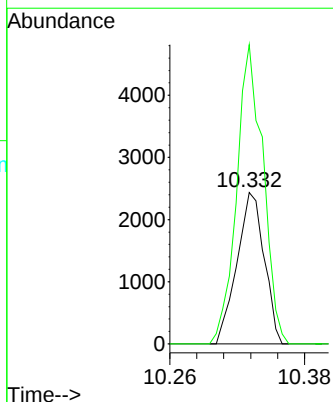
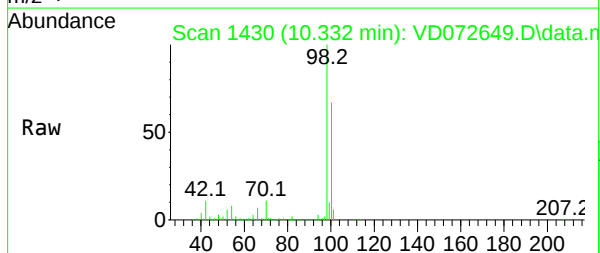




#51
4-Methyl-2-Pentanone
Concen: 1.152 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

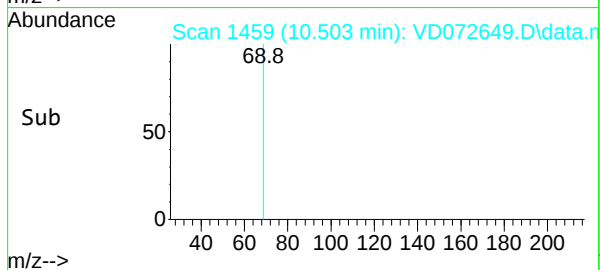
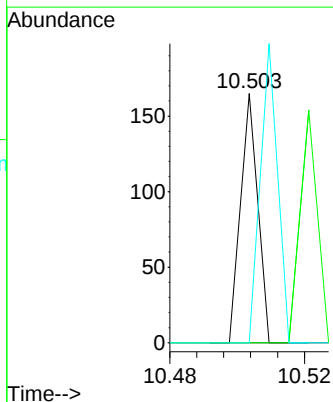
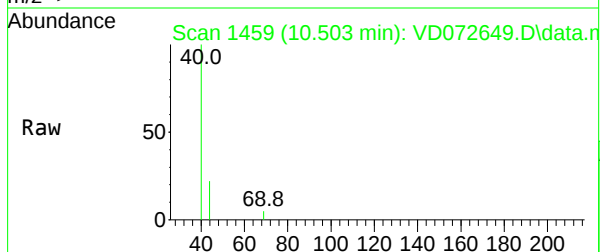
Instrument : MSVOA_D
ClientSampleId : E14ST-EB2-041822-0-2

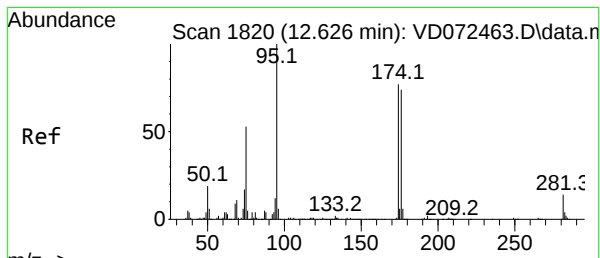
Tgt Ion: 43 Resp: 4097
Ion Ratio Lower Upper
43 100
58 191.6 28.6 43.0#



#56
Ethyl methacrylate
Concen: 1.200 ug/l
RT: 10.503 min Scan# 1459
Delta R.T. -0.152 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 93.1 63.0 94.6
39 120.7 33.8 50.8#

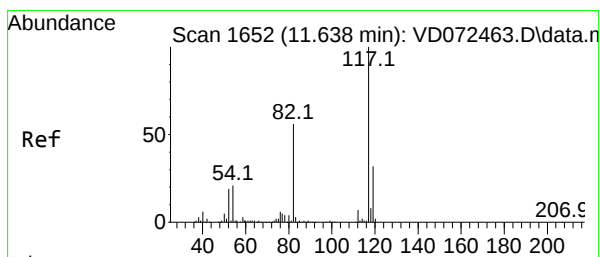
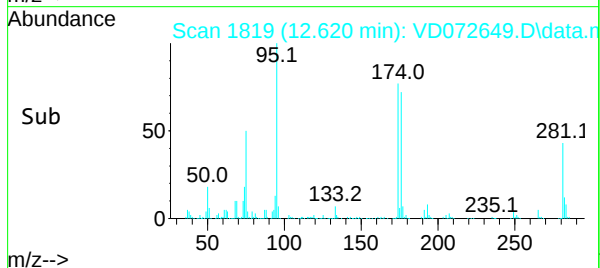
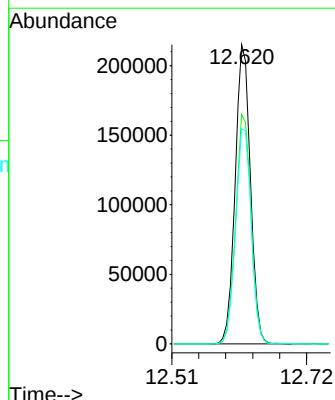
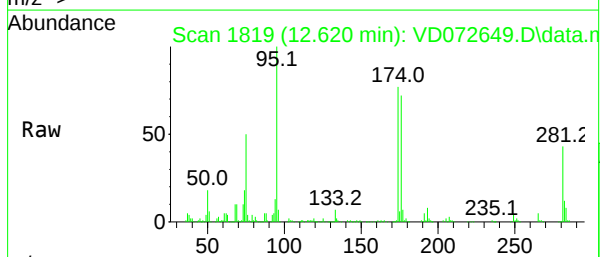




#62
4-Bromofluorobenzene
Concen: 39.946 ug/l
RT: 12.620 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

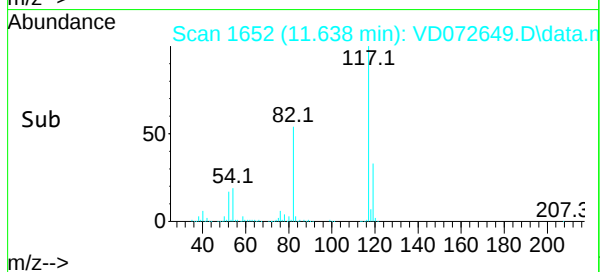
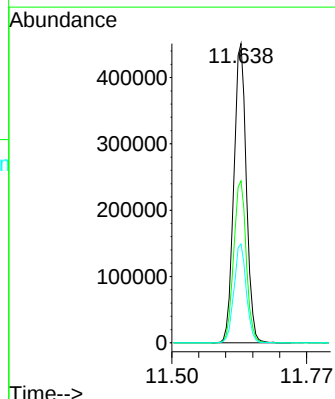
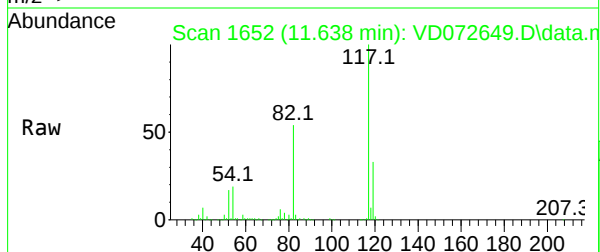
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2

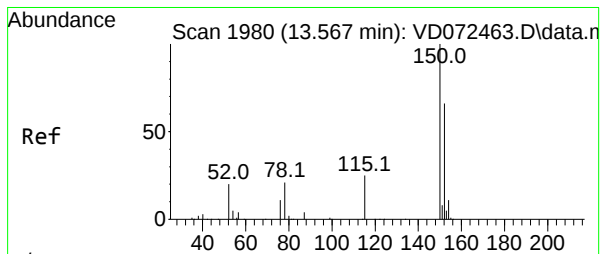
Tgt Ion: 95 Resp: 353659
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

Tgt Ion: 117 Resp: 784084
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 33.1 26.6 40.0

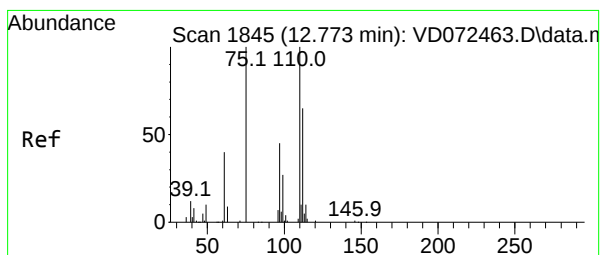
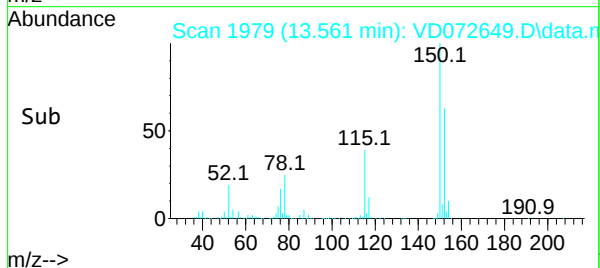
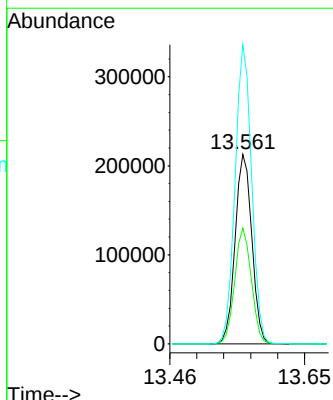
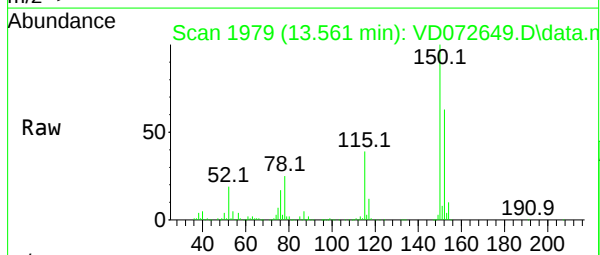




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

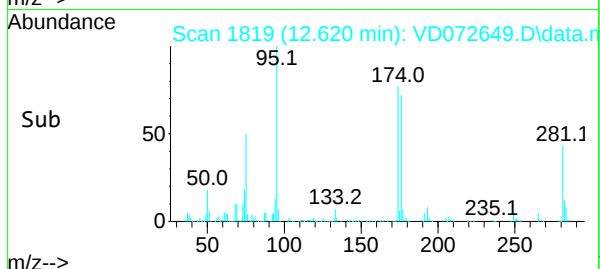
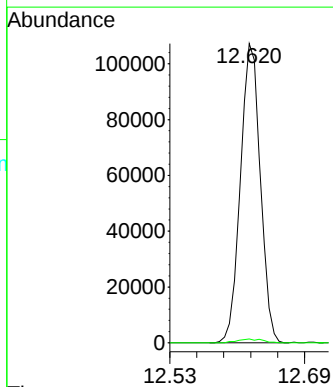
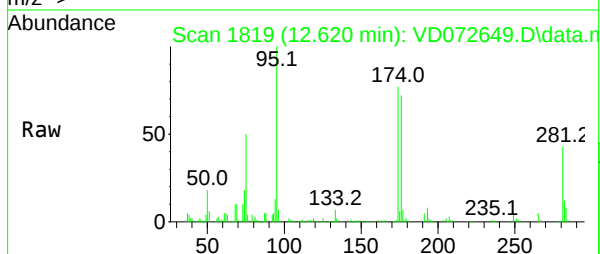
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2

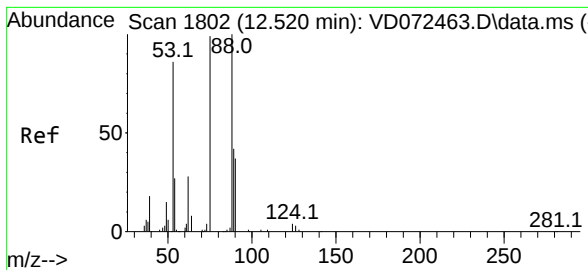
Tgt Ion:152 Resp: 344620
Ion Ratio Lower Upper
152 100
115 60.8 31.3 93.8
150 156.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 46.662 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072649.D
Acq: 20 Apr 2022 16:08

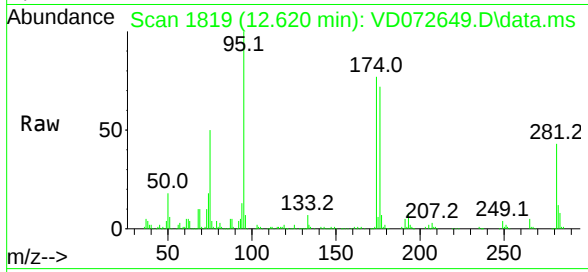
Tgt Ion: 75 Resp: 175385
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.499 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072649.D
 Acq: 20 Apr 2022 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 E14ST-EB2-041822-0-2



Tgt Ion: 75 Resp: 175385
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.5 33.9 50.9#

