

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072650.D
 Acq On : 20 Apr 2022 16:36
 Operator : VA/SY
 Sample : N2466-02
 Misc : 3.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Apr 21 01:54:35 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)

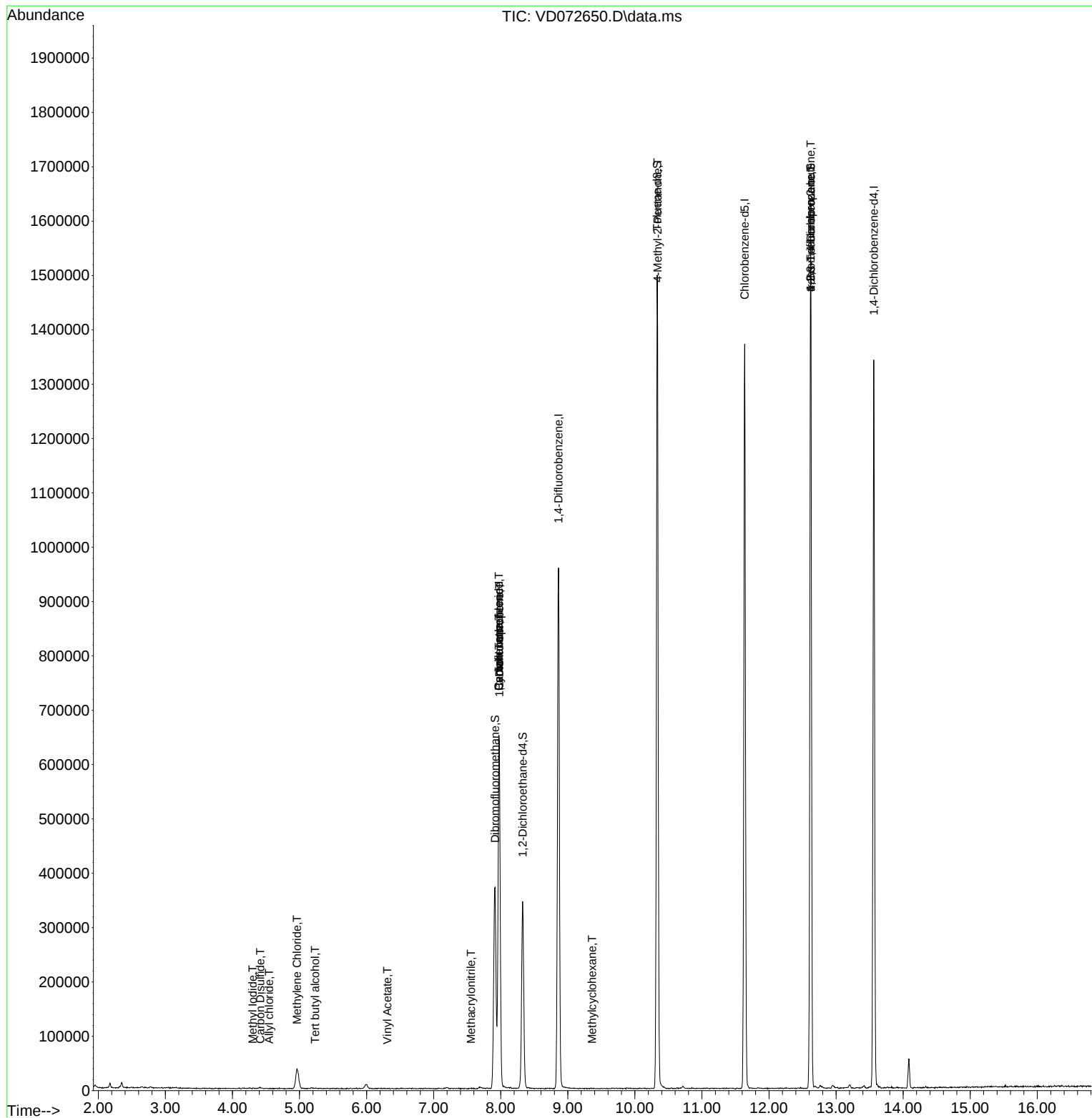
Internal Standards						
1) Pentafluorobenzene	7.973	168	472557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	842307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	802882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	358946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	269055	47.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.140%		
35) Dibromofluoromethane	7.914	113	279572	42.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.420%		
50) Toluene-d8	10.332	98	1017835	44.732	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.460%		
62) 4-Bromofluorobenzene	12.620	95	366911	41.289	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.580%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1067	3.926	ug/l #	66
11) Tert butyl alcohol	5.232	59	495	1.640	ug/l #	74
14) Allyl chloride	4.544	41	58	1.134	ug/l #	22
17) Carbon Disulfide	4.415	76	3411	3.970	ug/l #	74
20) Methylene Chloride	4.962	84	29069	4.581	ug/l #	76
23) Vinyl Acetate	6.309	43	83	6.298	ug/l #	75
31) Cyclohexane	7.973	56	10274	1.374	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	38888	5.668	ug/l #	51
38) Carbon Tetrachloride	7.973	117	52551	5.827	ug/l #	16
39) Methylcyclohexane	9.361	83	90	2.885	ug/l #	17
41) Methacrylonitrile	7.556	41	181	1.744	ug/l #	27
51) 4-Methyl-2-Pentanone	10.338	43	3839	1.075	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	187862	47.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	187862	117.750	ug/l #	8

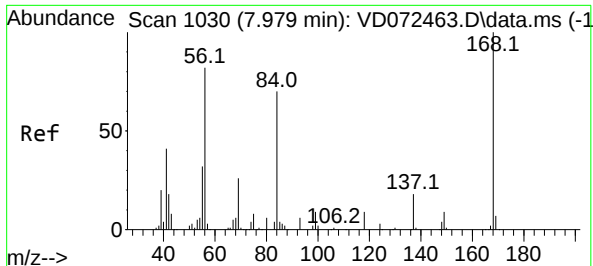
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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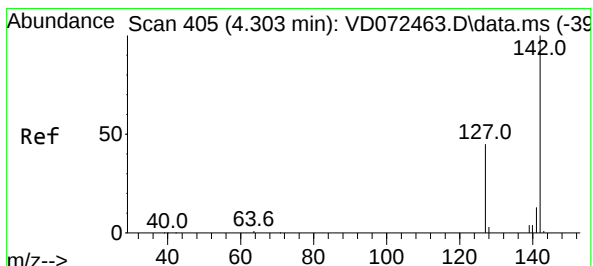
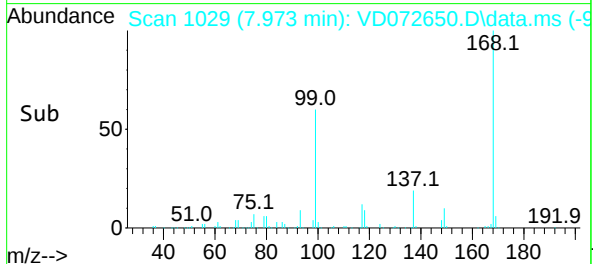
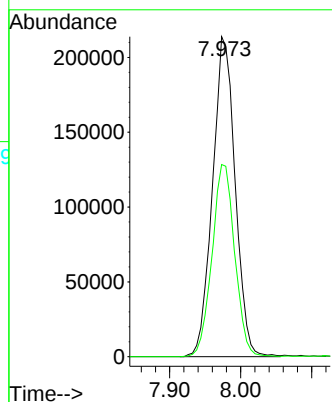
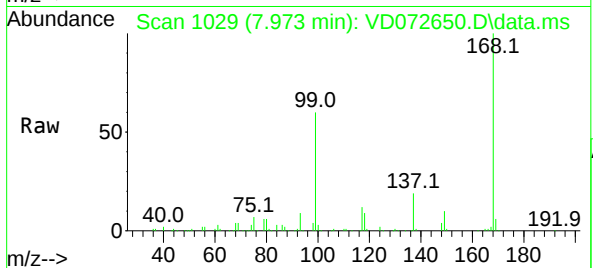




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

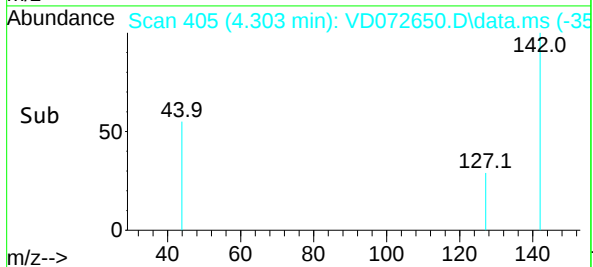
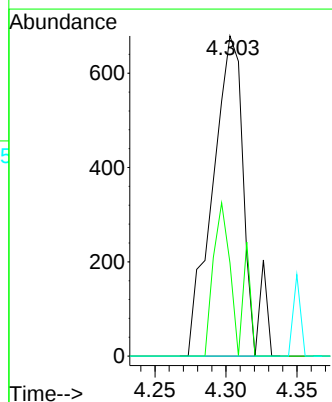
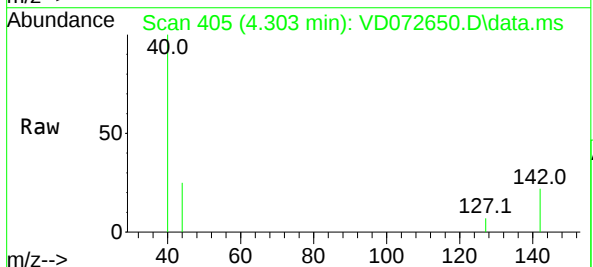
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2-DUP

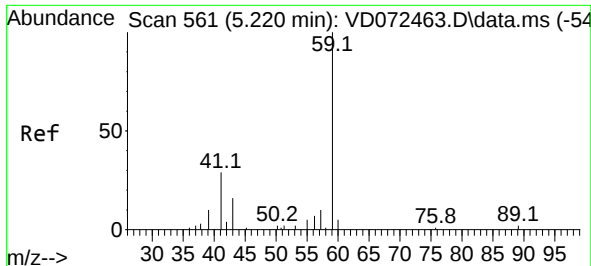
Tgt Ion:168 Resp: 472557
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#10
Methyl Iodide
Concen: 3.926 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

Tgt Ion:142 Resp: 1067
Ion Ratio Lower Upper
142 100
127 24.2 37.3 55.9#
141 0.0 11.7 17.5#

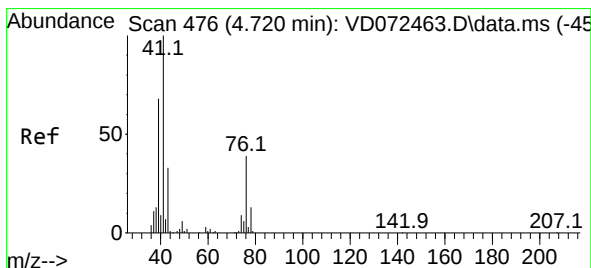
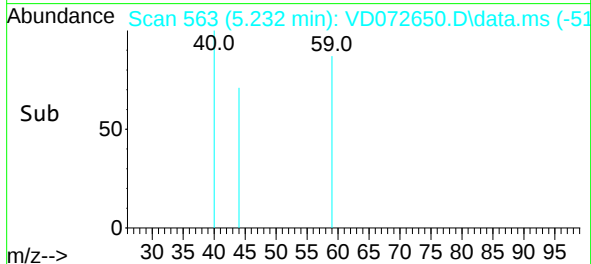
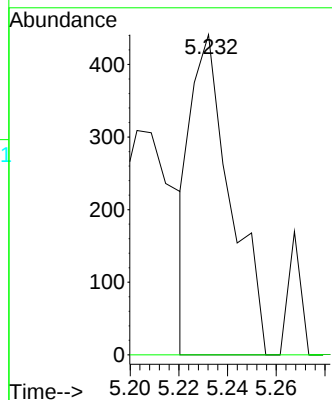
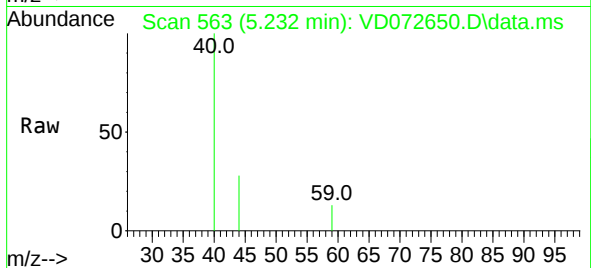




#11
Tert butyl alcohol
Concen: 1.640 ug/l
RT: 5.232 min Scan# 50
Delta R.T. 0.012 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

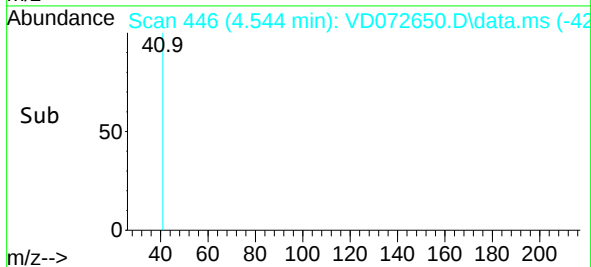
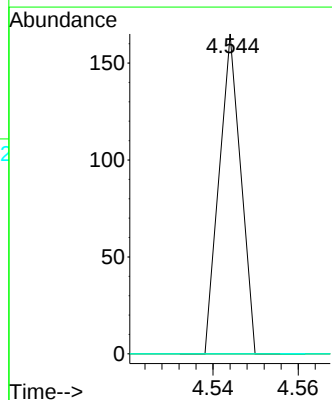
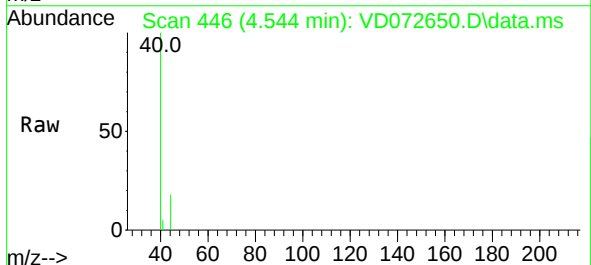
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E14ST-EB2-041822-0-2-DUP

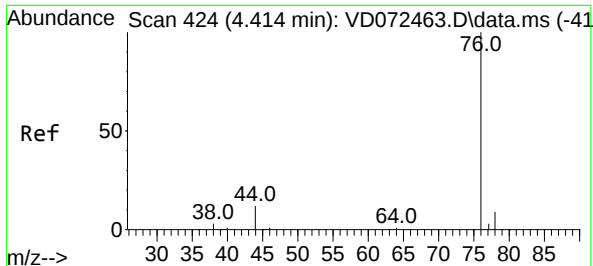
Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.134 ug/l
RT: 4.544 min Scan# 446
Delta R.T. -0.176 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

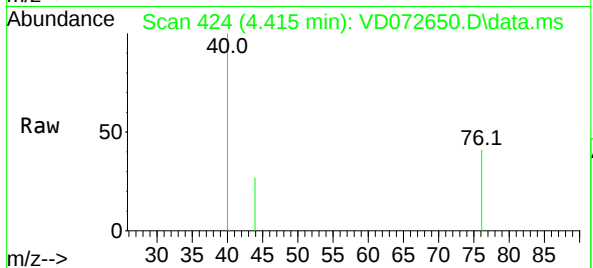
Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#



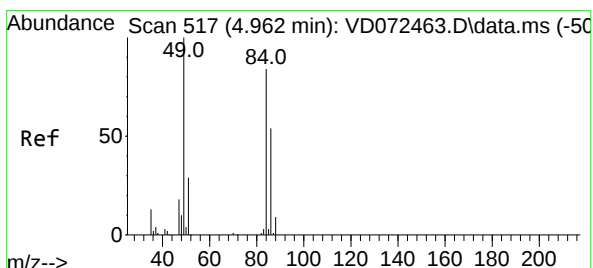
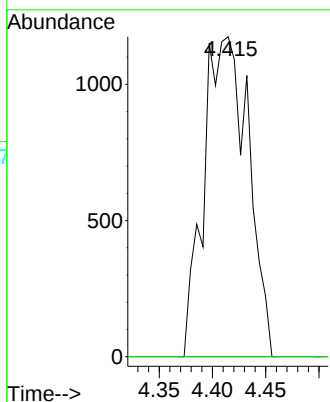
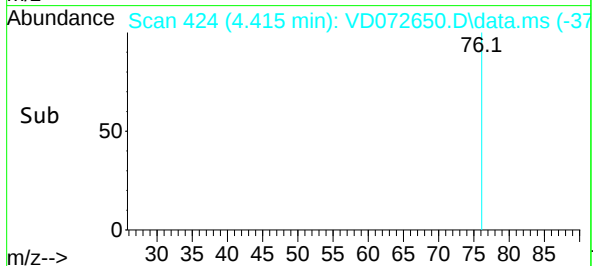


#17
Carbon Disulfide
Concen: 3.970 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

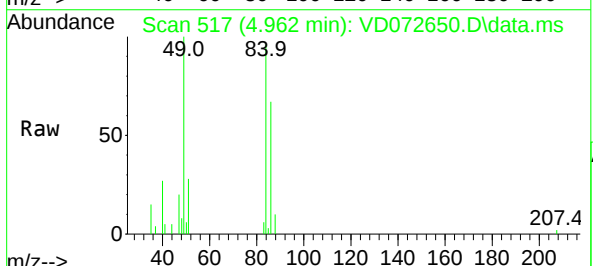
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2-DUP



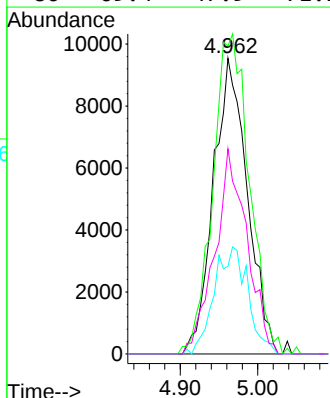
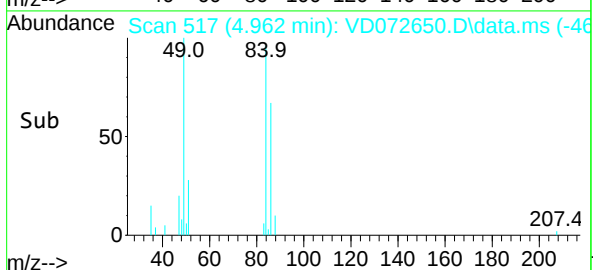
Tgt Ion: 76 Resp: 3411
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

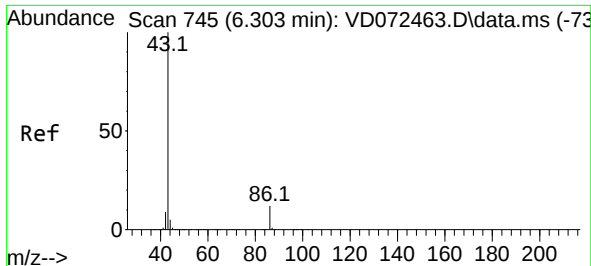


#20
Methylene Chloride
Concen: 4.581 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36



Tgt Ion: 84 Resp: 29069
Ion Ratio Lower Upper
84 100
49 104.1 112.8 169.2#
51 29.7 32.6 48.8#
86 69.4 47.9 71.9

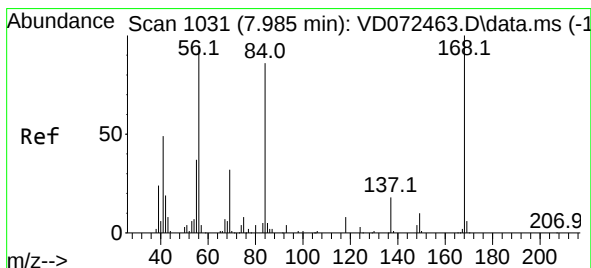
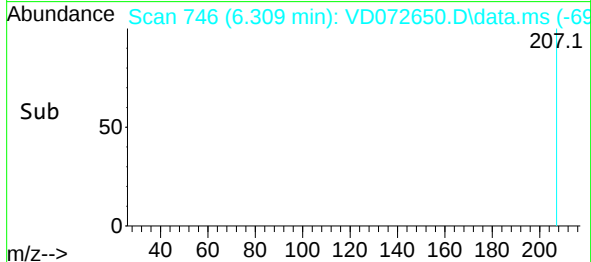
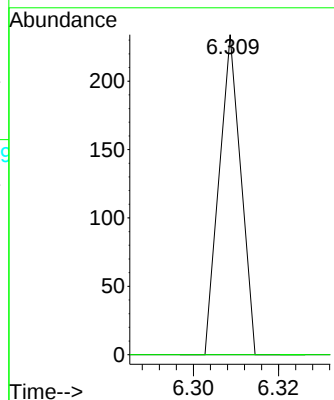
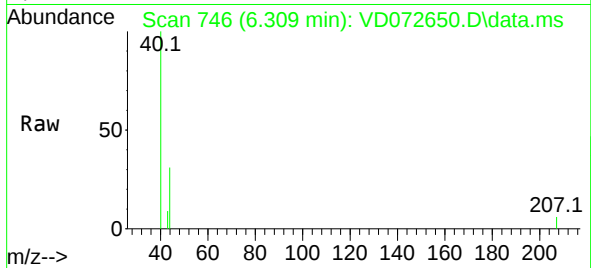




#23
 Vinyl Acetate
 Concen: 6.298 ug/l
 RT: 6.309 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD072650.D
 Acq: 20 Apr 2022 16:36

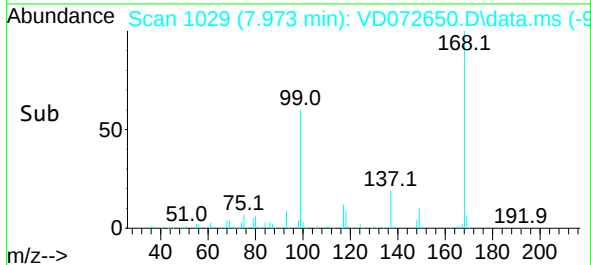
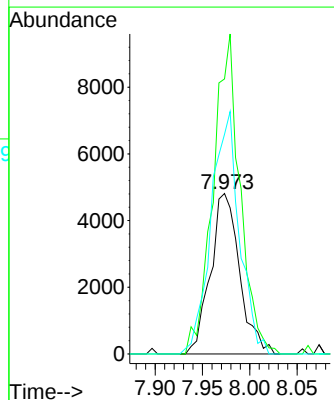
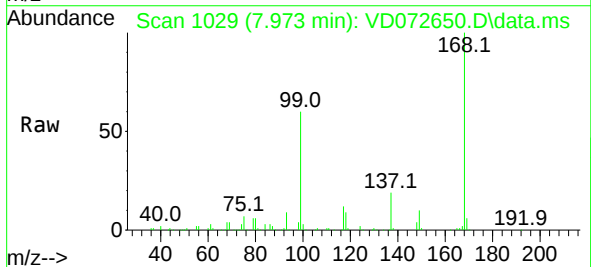
Instrument :
 MSVOA_D
 ClientSampleId :
 E14ST-EB2-041822-0-2-DUP

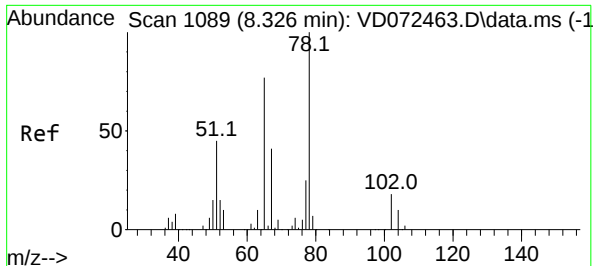
Tgt Ion: 43 Resp: 83
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.374 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD072650.D
 Acq: 20 Apr 2022 16:36

Tgt Ion: 56 Resp: 10274
 Ion Ratio Lower Upper
 56 100
 69 171.3 25.4 38.2#
 84 136.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.066 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072650.D

Acq: 20 Apr 2022 16:36

Instrument :

MSVOA_D

ClientSampleId :

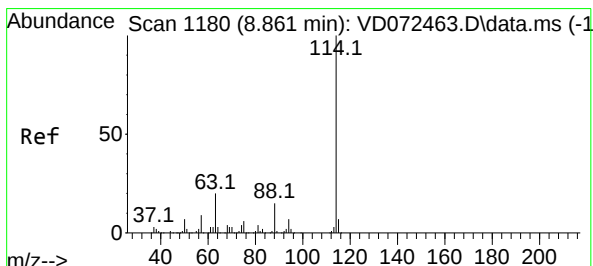
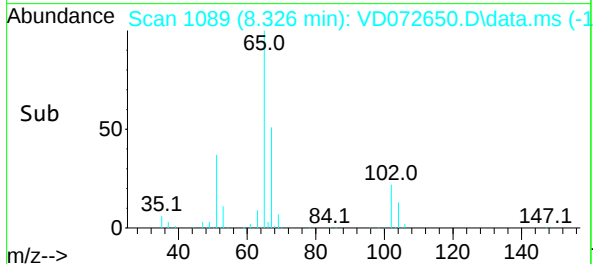
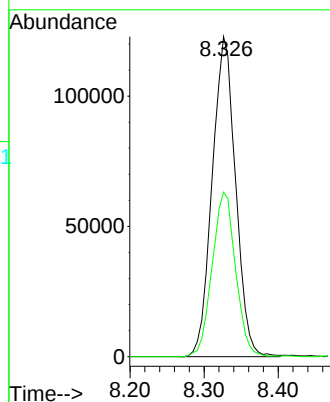
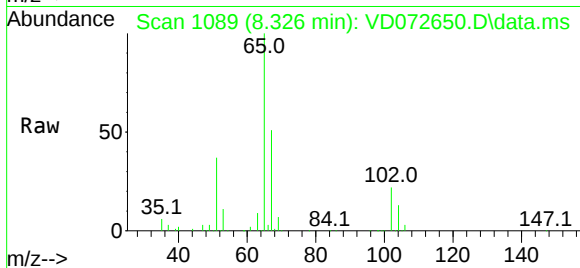
E14ST-EB2-041822-0-2-DUP

Tgt Ion: 65 Resp: 269055

Ion Ratio Lower Upper

65 100

67 51.6 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: VD072650.D

Acq: 20 Apr 2022 16:36

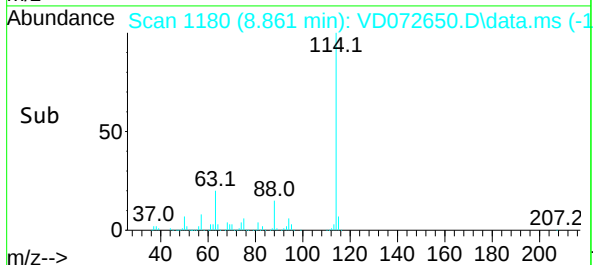
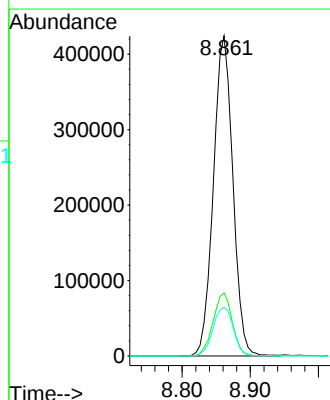
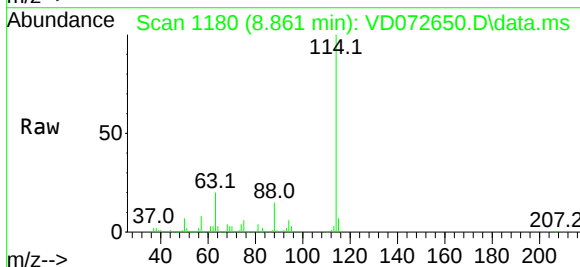
Tgt Ion: 114 Resp: 842307

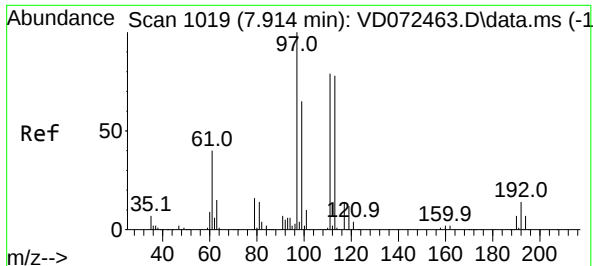
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 42.709 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072650.D

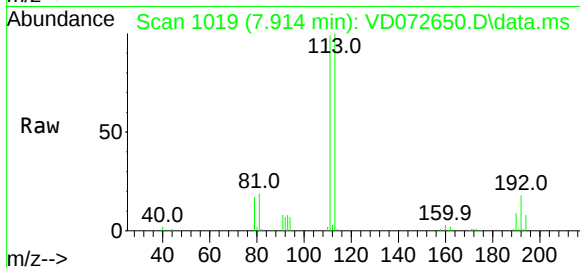
Acq: 20 Apr 2022 16:36

Instrument :

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E14ST-EB2-041822-0-2-DUP



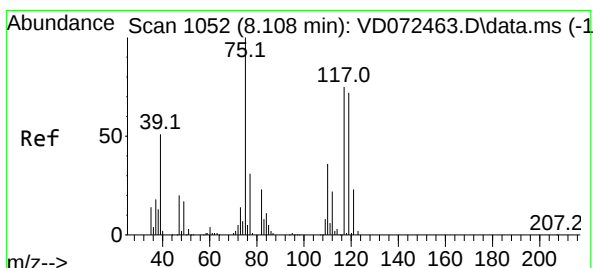
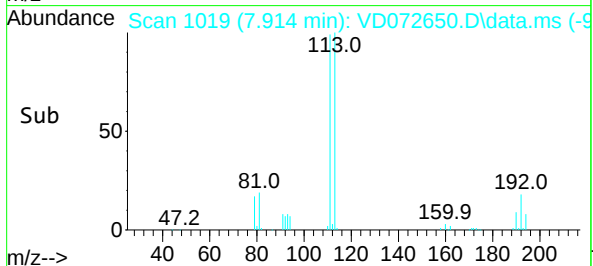
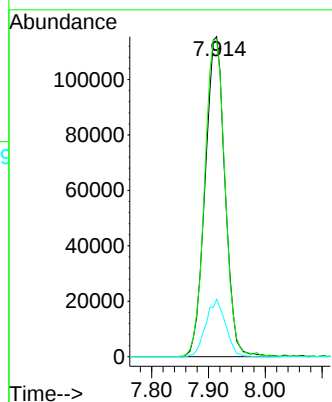
Tgt Ion:113 Resp: 279572

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.668 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072650.D

Acq: 20 Apr 2022 16:36

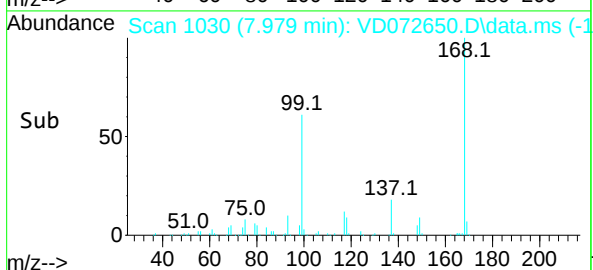
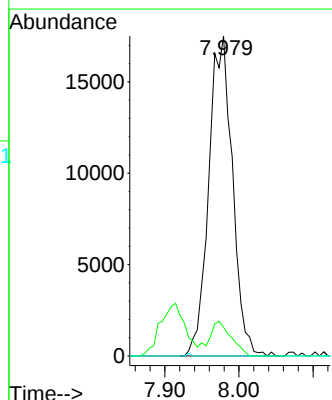
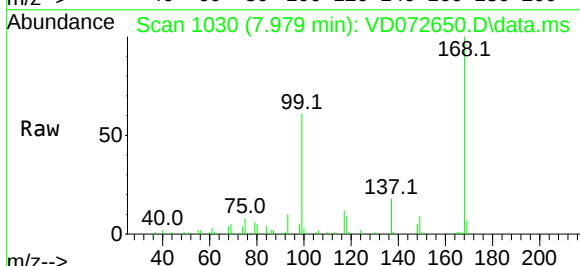
Tgt Ion: 75 Resp: 38888

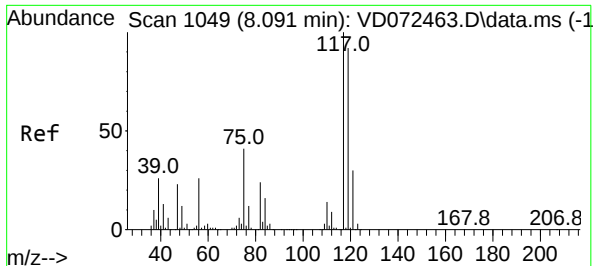
Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

77 0.0 24.2 36.2#

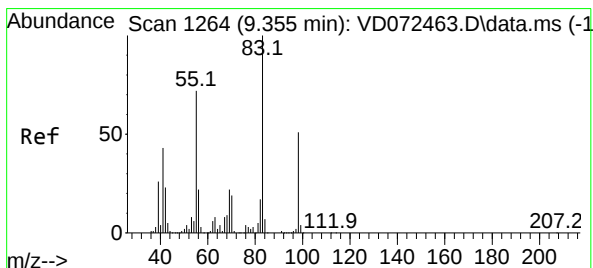
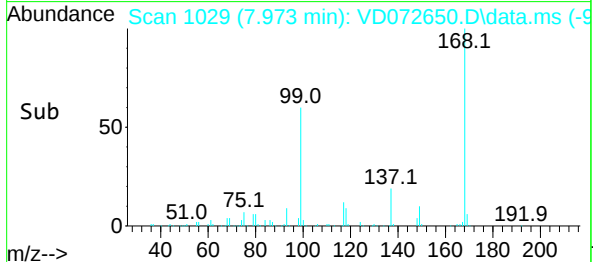
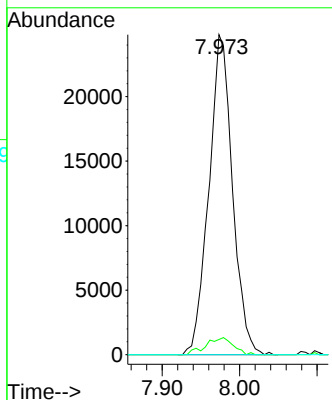
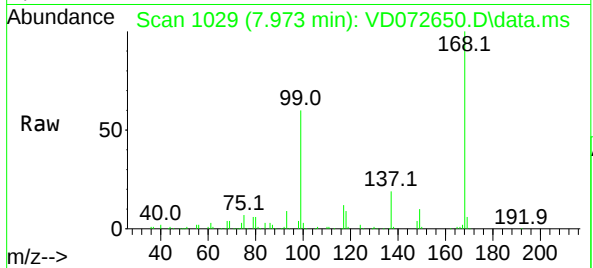




#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

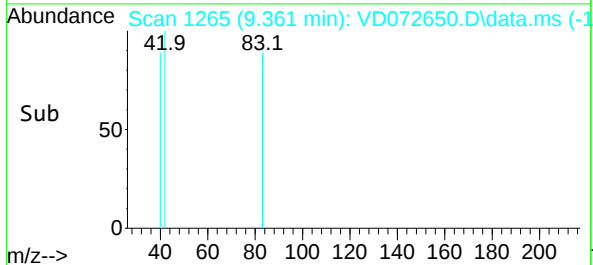
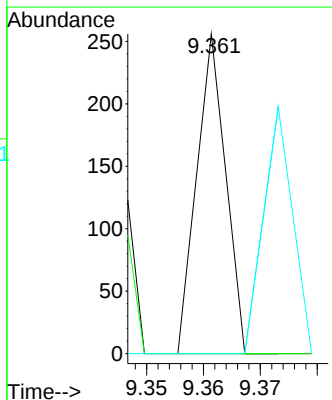
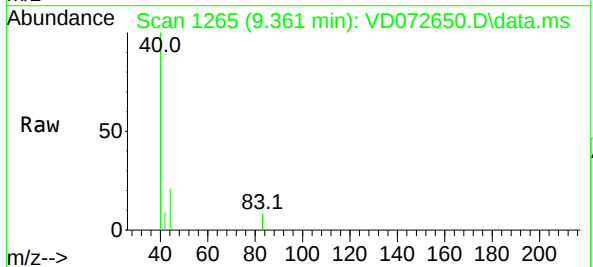
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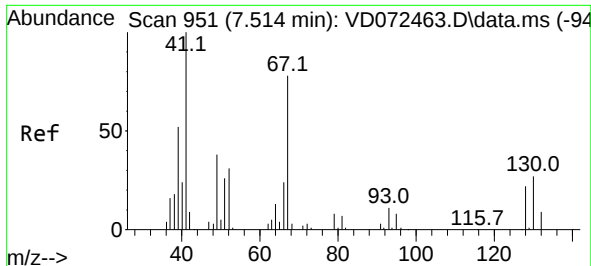
Tgt Ion: 117 Resp: 52551
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.885 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

Tgt Ion: 83 Resp: 90
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

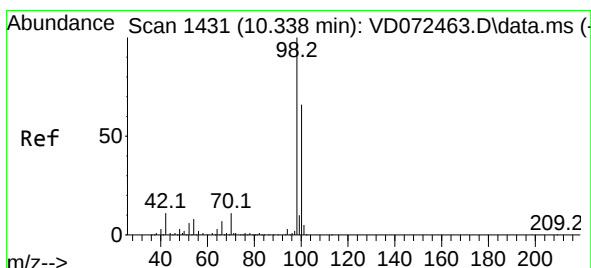
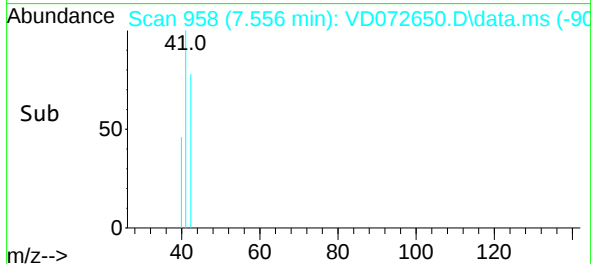
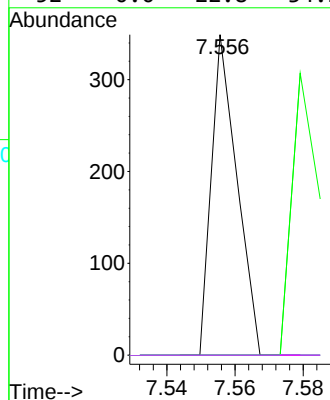
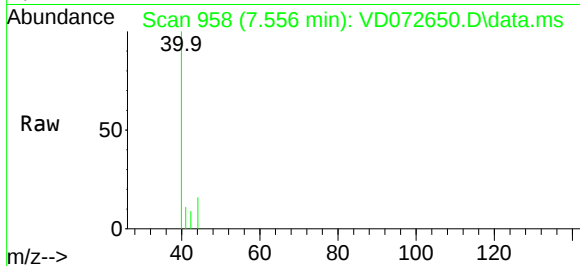




#41
Methacrylonitrile
Concen: 1.744 ug/l
RT: 7.556 min Scan# 91
Delta R.T. 0.042 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

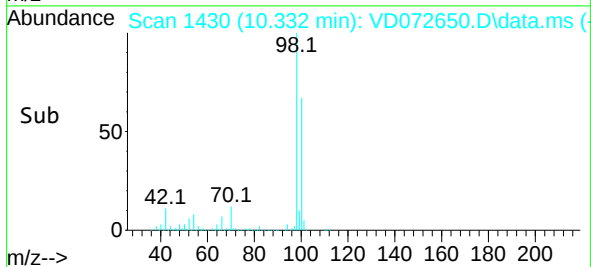
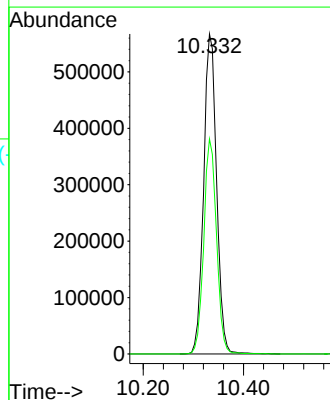
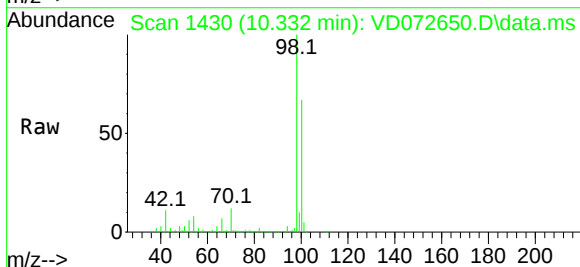
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2-DUP

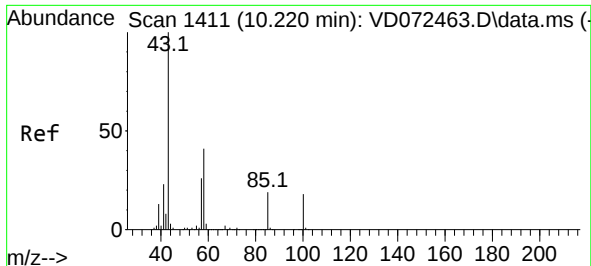
Tgt Ion: 41	Resp: 181
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 44.732 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

Tgt Ion: 98	Resp: 1017835
Ion Ratio	Lower Upper
98 100	
100 66.2	52.4 78.6

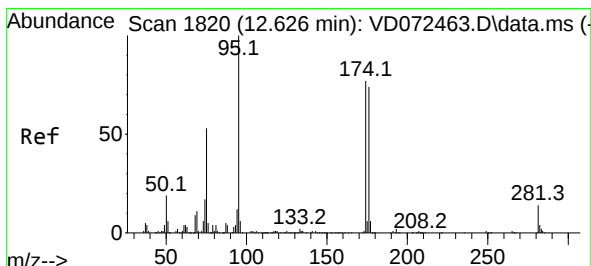
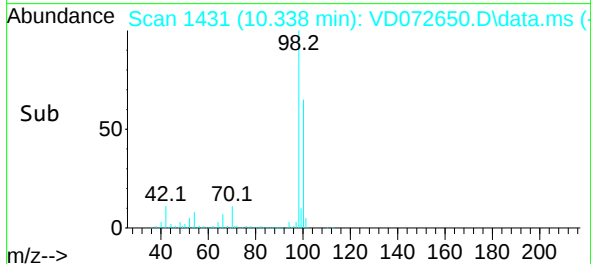
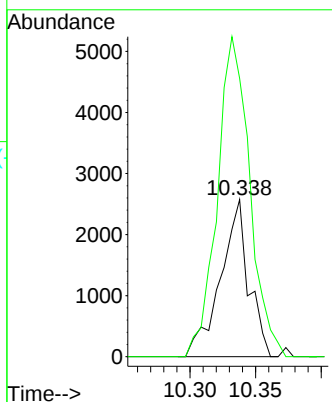
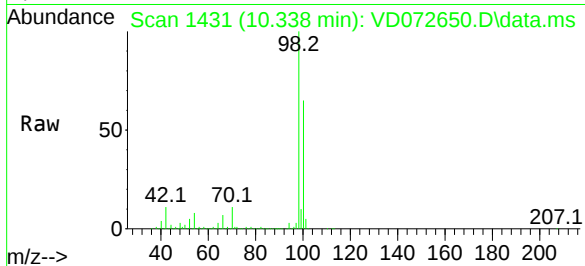




#51
4-Methyl-2-Pentanone
Concen: 1.075 ug/l
RT: 10.338 min Scan# 1411
Delta R.T. 0.118 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

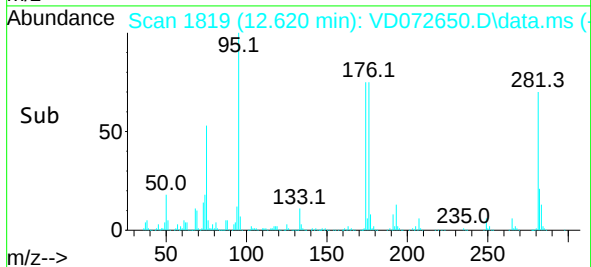
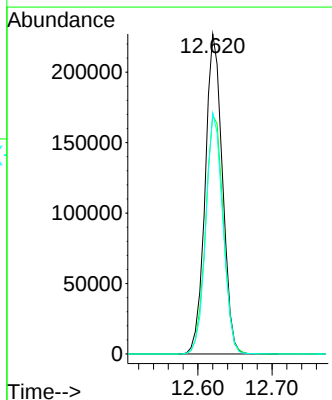
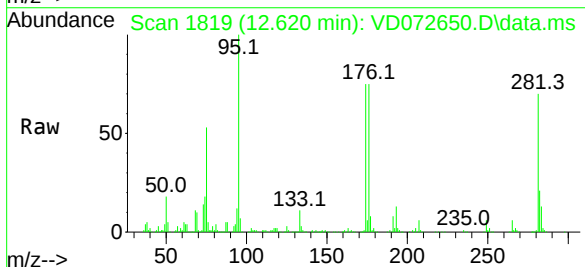
Instrument : MSVOA_D
ClientSampleId : E14ST-EB2-041822-0-2-DUP

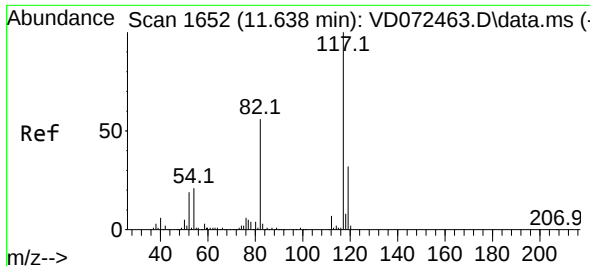
Tgt Ion: 43 Resp: 3839
Ion Ratio Lower Upper
43 100
58 234.5 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 41.289 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

Tgt Ion: 95 Resp: 366911
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.8
176 74.5 0.0 145.4

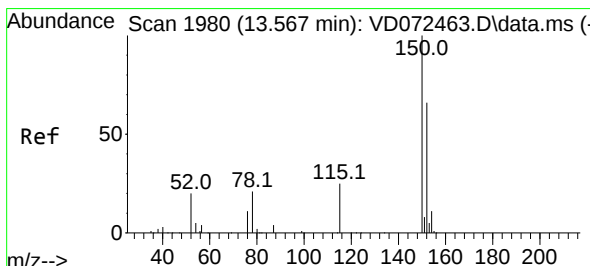
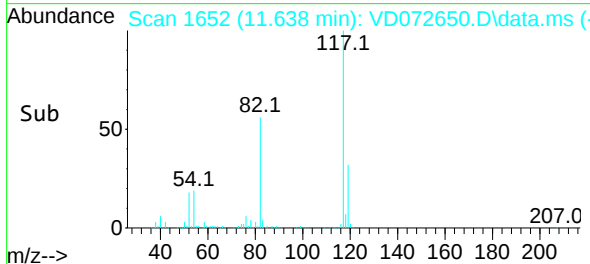
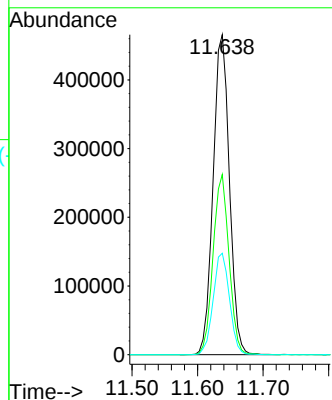
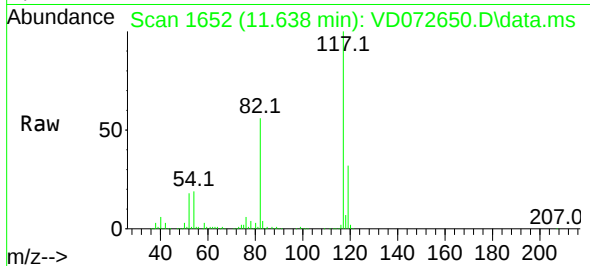




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

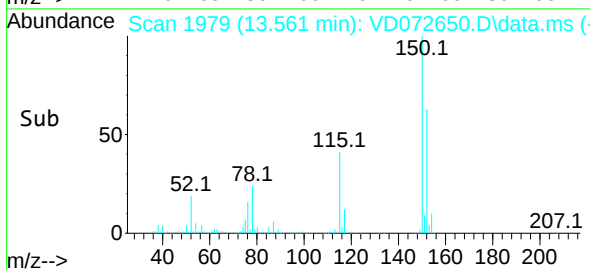
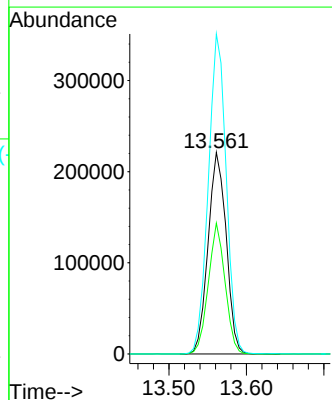
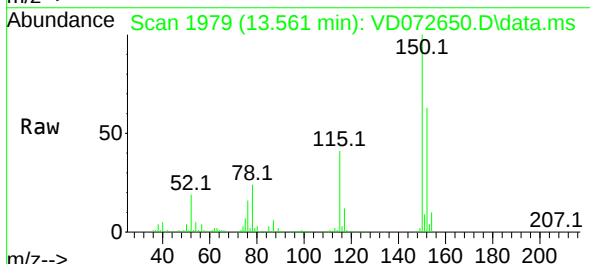
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB2-041822-0-2-DUP

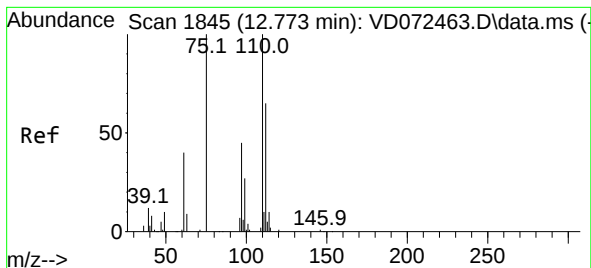
Tgt Ion:117 Resp: 802882
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072650.D
Acq: 20 Apr 2022 16:36

Tgt Ion:152 Resp: 358946
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 156.6 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 47.987 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072650.D

Acq: 20 Apr 2022 16:36

Instrument :

MSVOA_D

ClientSampleId :

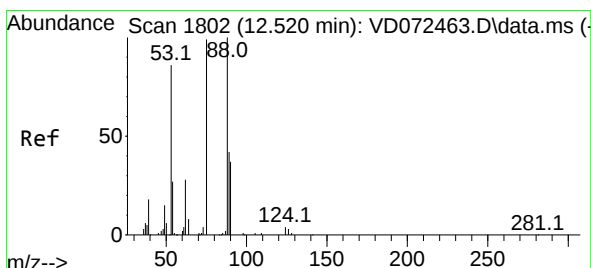
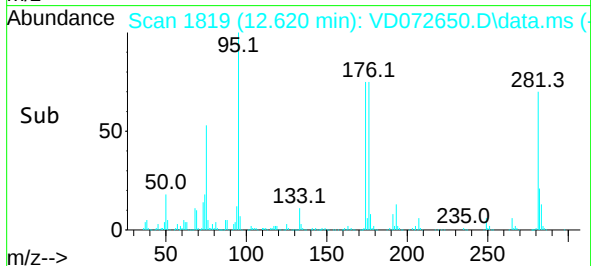
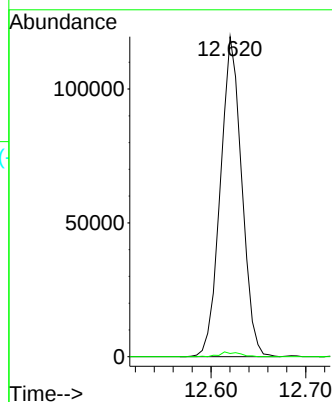
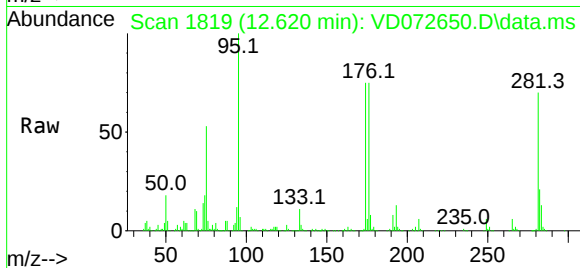
E14ST-EB2-041822-0-2-DUP

Tgt Ion: 75 Resp: 187862

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.750 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.100 min

Lab File: VD072650.D

Acq: 20 Apr 2022 16:36

Tgt Ion: 75 Resp: 187862

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 1.1 33.9 50.9#

