

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072666.D
 Acq On : 21 Apr 2022 12:59
 Operator : VA/SY
 Sample : N2479-07
 Misc : 5.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E14ST-EB4-041922-8-10

Quant Time: Apr 22 03:40:05 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)

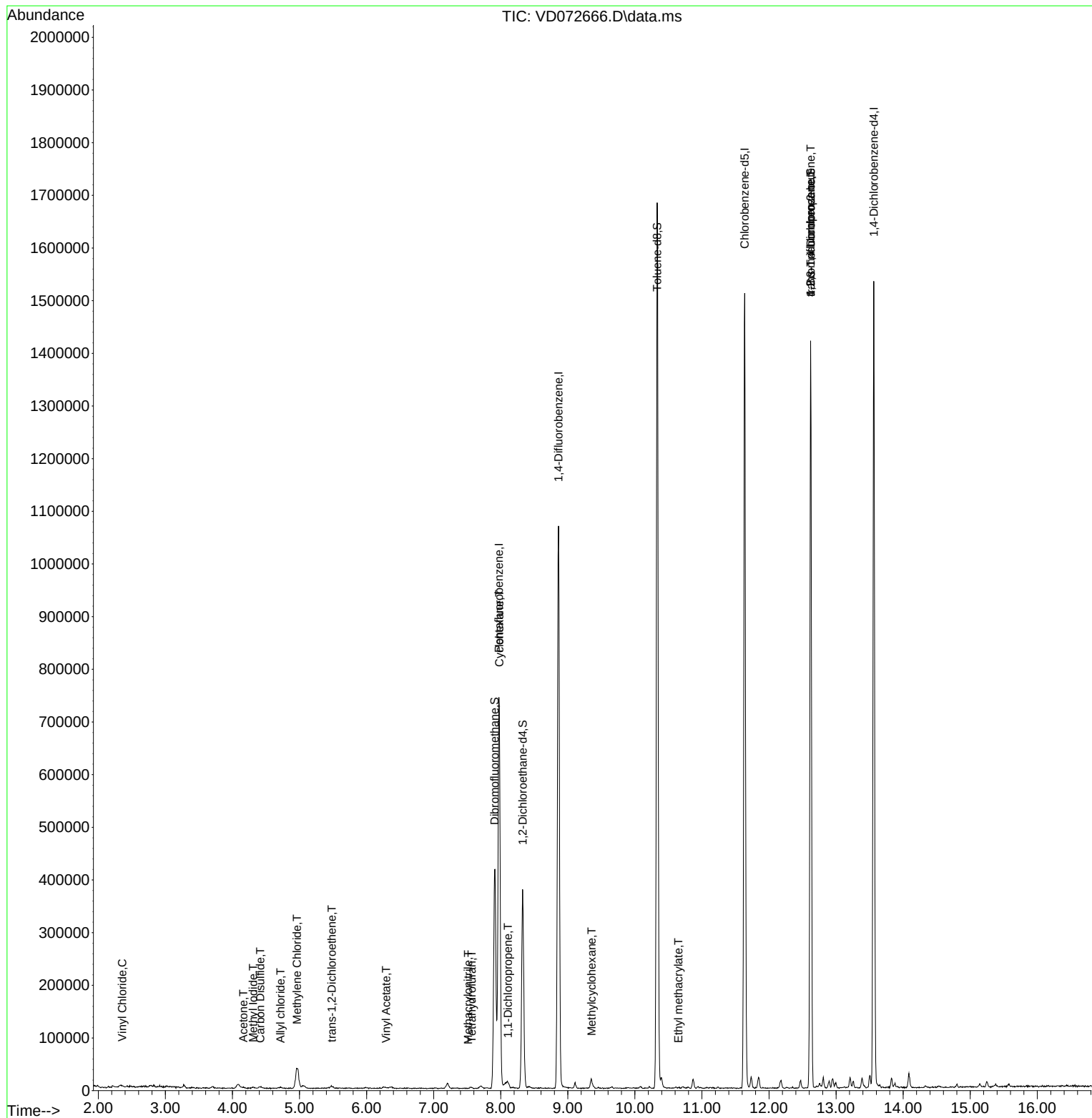
Internal Standards						
1) Pentafluorobenzene	7.973	168	537949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	944951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	886108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	395983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	287412	44.166	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.340%		
35) Dibromofluoromethane	7.908	113	302923	41.250	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.500%		
50) Toluene-d8	10.332	98	1136382	44.517	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.040%		
62) 4-Bromofluorobenzene	12.620	95	397532	39.875	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.760%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.356	62	2150	1.415	ug/l	89
10) Methyl Iodide	4.309	142	2766	4.175	ug/l #	80
14) Allyl chloride	4.715	41	2235	1.384	ug/l #	81
16) Acetone	4.162	43	1728	1.424	ug/l #	71
17) Carbon Disulfide	4.415	76	7146	4.259	ug/l	100
20) Methylene Chloride	4.962	84	32527	4.503	ug/l #	83
21) trans-1,2-Dichloroethene	5.479	96	2043	1.095	ug/l #	59
23) Vinyl Acetate	6.291	43	555	6.341	ug/l #	75
29) Tetrahydrofuran	7.567	42	1425	1.406	ug/l #	67
31) Cyclohexane	7.979	56	16609	1.952	ug/l #	25
36) 1,1-Dichloropropene	8.108	75	4040	1.545	ug/l	97
39) Methylcyclohexane	9.355	83	5963	3.391	ug/l	88
41) Methacrylonitrile	7.514	41	62	1.684	ug/l #	27
56) Ethyl methacrylate	10.650	69	595	1.274	ug/l #	81
76) 1,2,3-Trichloropropane	12.620	75	204244	47.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	204244	116.044	ug/l #	7

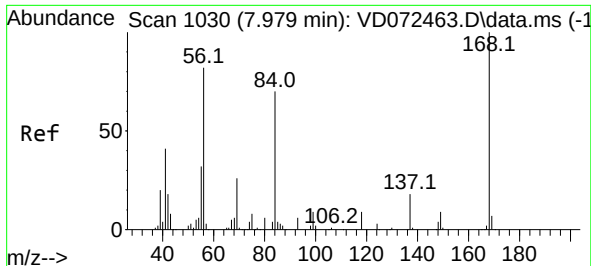
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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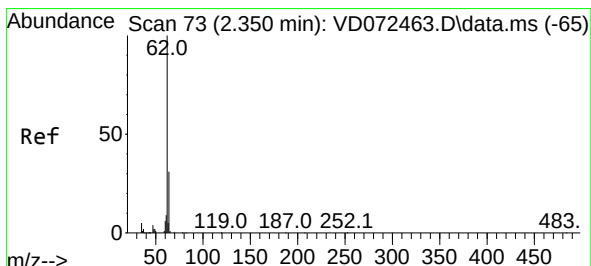
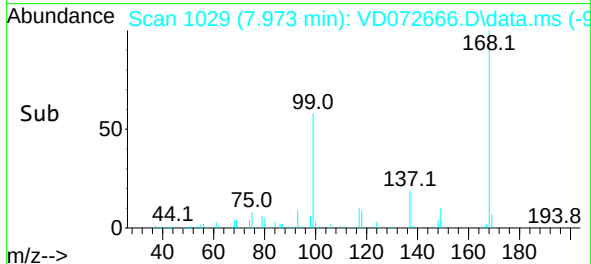
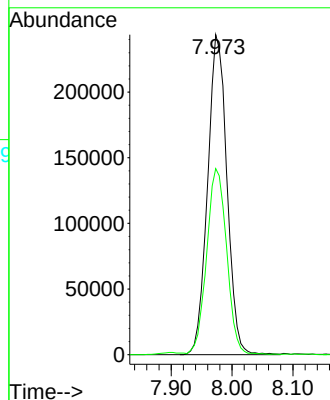
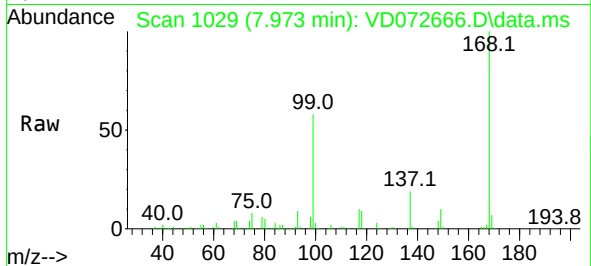




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

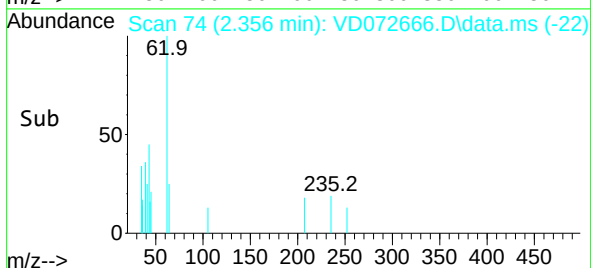
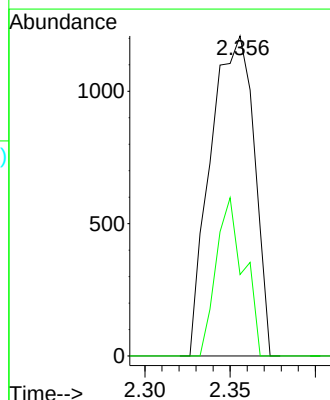
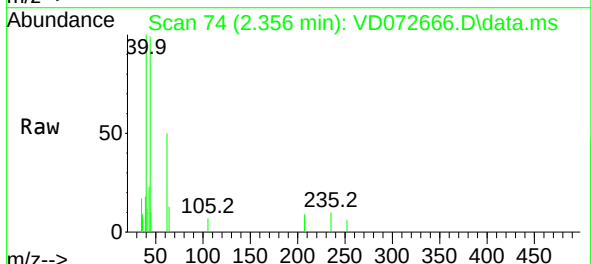
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

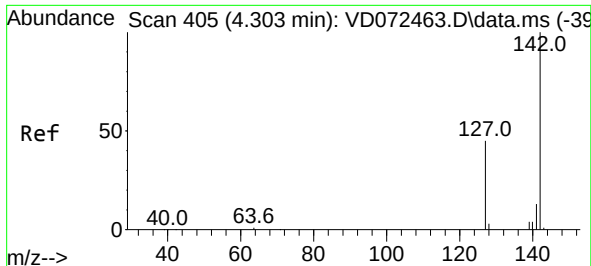
Tgt Ion:168 Resp: 537949
Ion Ratio Lower Upper
168 100
99 58.0 49.8 74.6



#4
Vinyl Chloride
Concen: 1.415 ug/l
RT: 2.356 min Scan# 74
Delta R.T. 0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion: 62 Resp: 2150
Ion Ratio Lower Upper
62 100
64 25.5 25.4 38.0

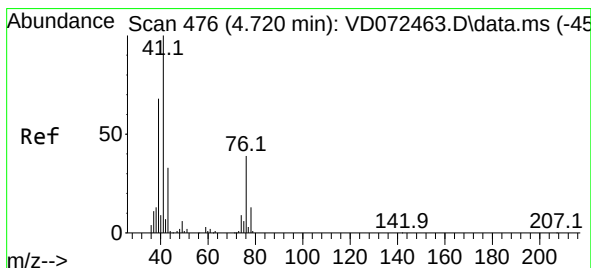
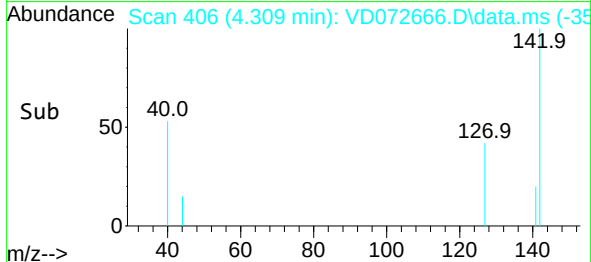
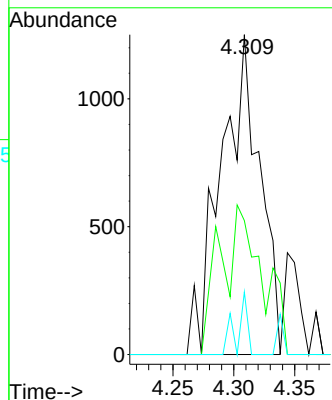
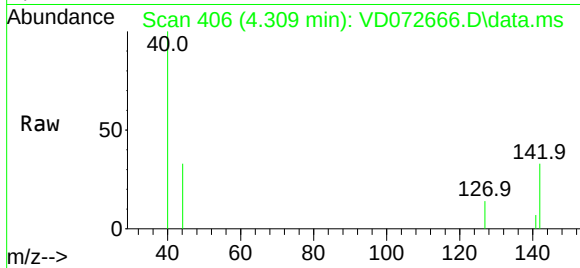




#10
Methyl Iodide
Concen: 4.175 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

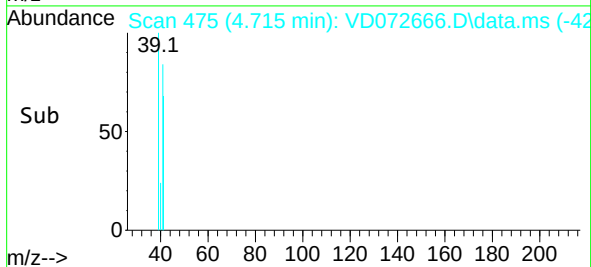
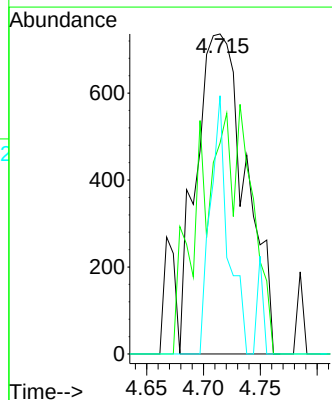
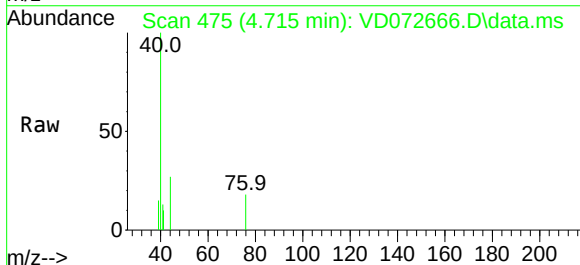
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

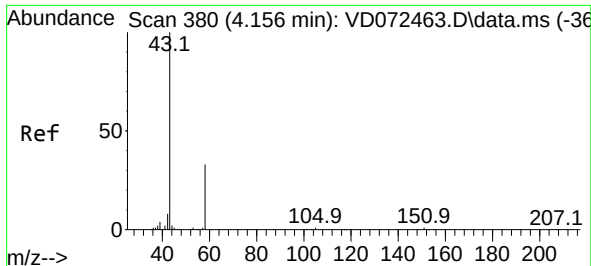
Tgt Ion:142 Resp: 2766
Ion Ratio Lower Upper
142 100
127 33.8 37.3 55.9#
141 5.2 11.7 17.5#



#14
Allyl chloride
Concen: 1.384 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion: 41 Resp: 2235
Ion Ratio Lower Upper
41 100
39 52.5 59.3 88.9#
76 29.2 25.7 38.5

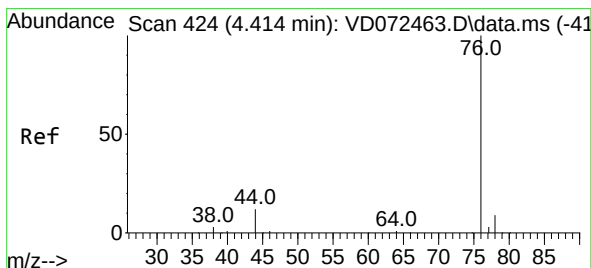
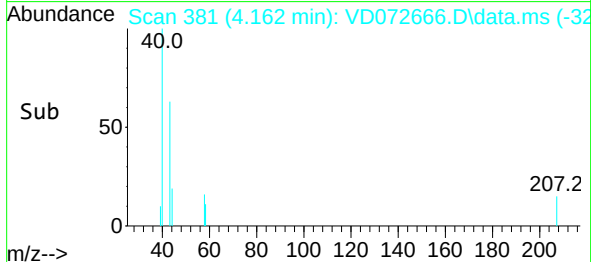
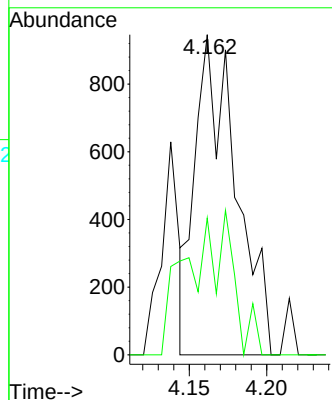
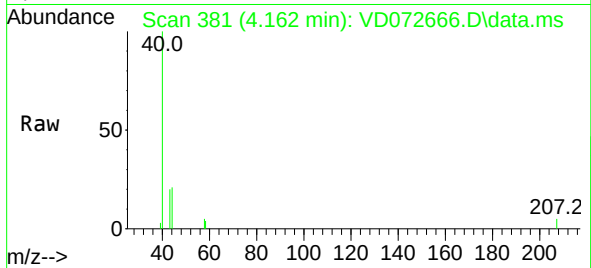




#16
Acetone
Concen: 1.424 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

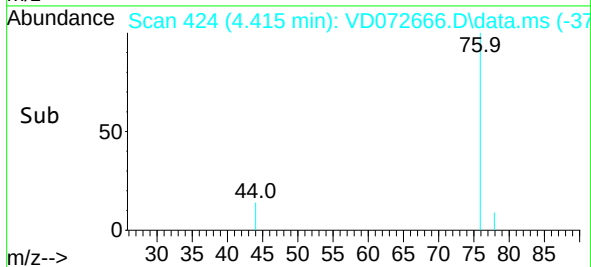
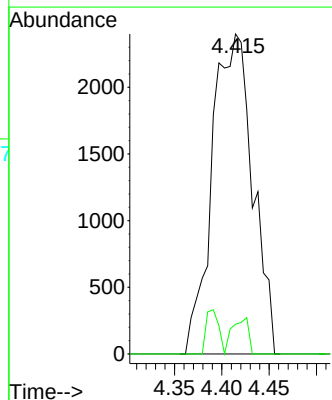
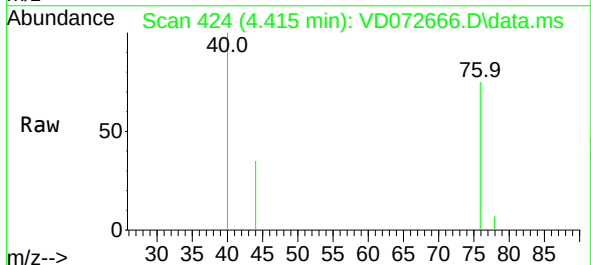
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

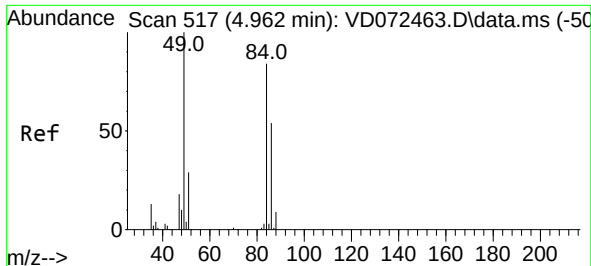
Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
58 42.7 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.259 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

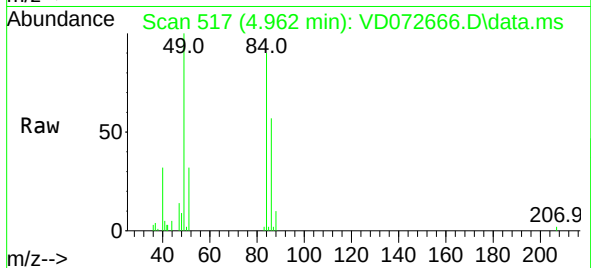
Tgt Ion: 76 Resp: 7146
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



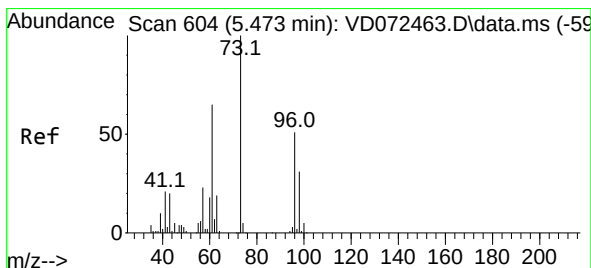
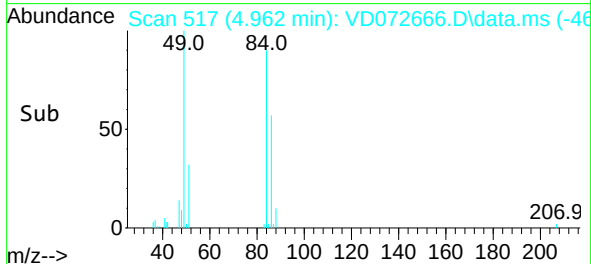
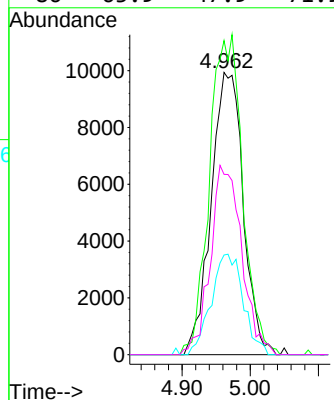


#20
Methylene Chloride
Concen: 4.503 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

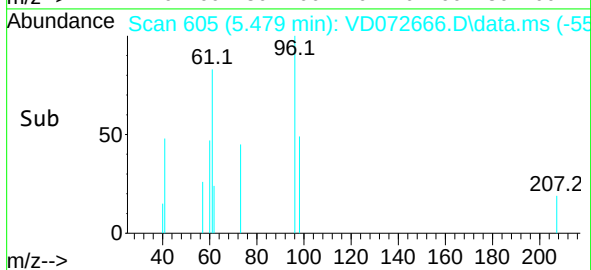
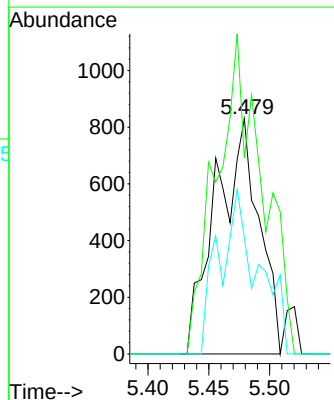
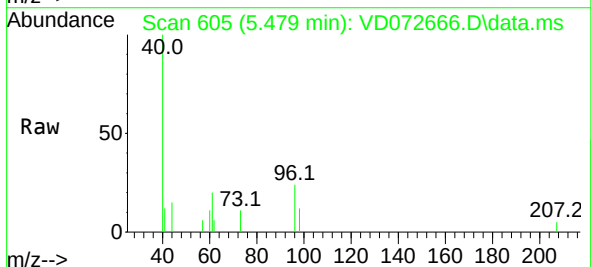


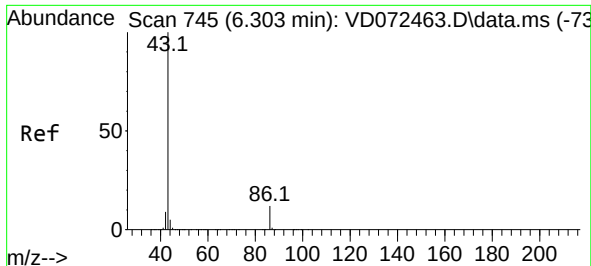
Tgt Ion:	84	Resp:	32527
Ion	Ratio	Lower	Upper
84	100		
49	111.3	112.8	169.2#
51	35.3	32.6	48.8
86	63.9	47.9	71.9



#21
trans-1,2-Dichloroethene
Concen: 1.095 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion:	96	Resp:	2043
Ion	Ratio	Lower	Upper
96	100		
61	83.3	117.9	176.9#
98	49.4	49.4	74.2#

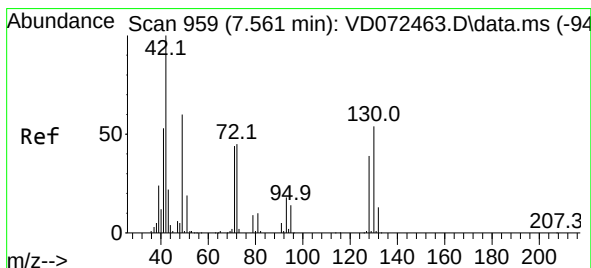
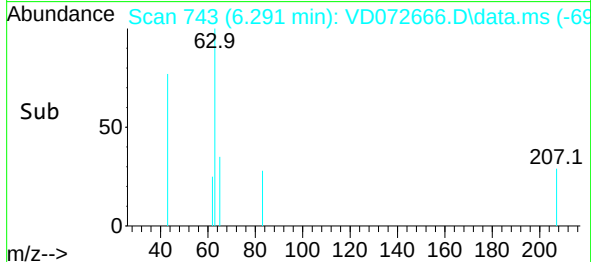
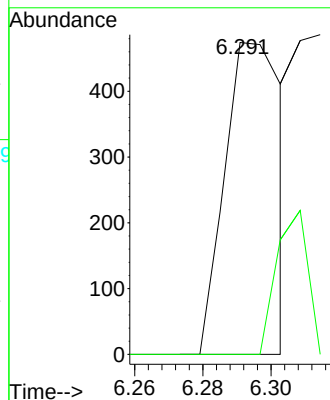
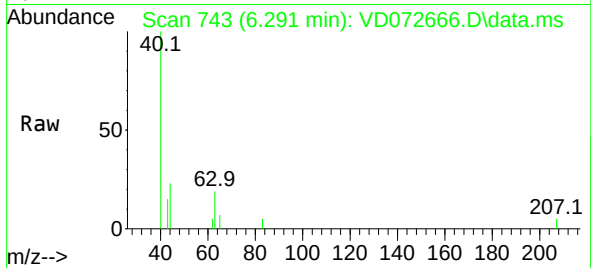




#23
 Vinyl Acetate
 Concen: 6.341 ug/l
 RT: 6.291 min Scan# 74
 Delta R.T. -0.012 min
 Lab File: VD072666.D
 Acq: 21 Apr 2022 12:59

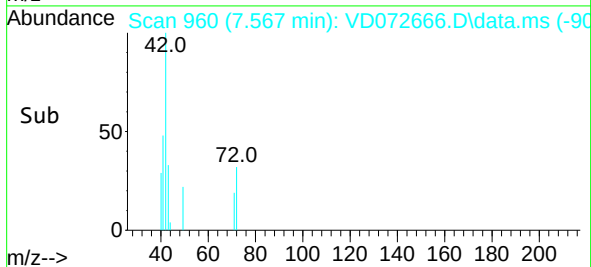
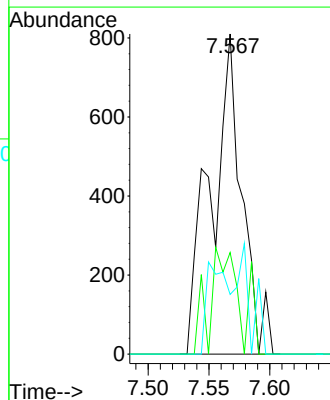
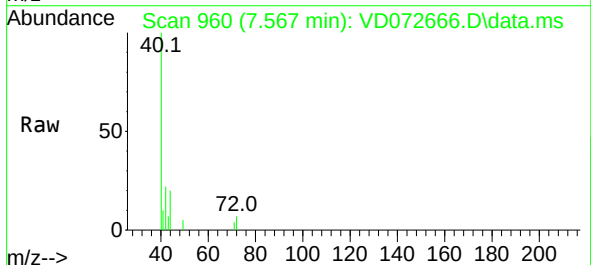
Instrument :
 MSVOA_D
 ClientSampleId :
 E14ST-EB4-041922-8-10

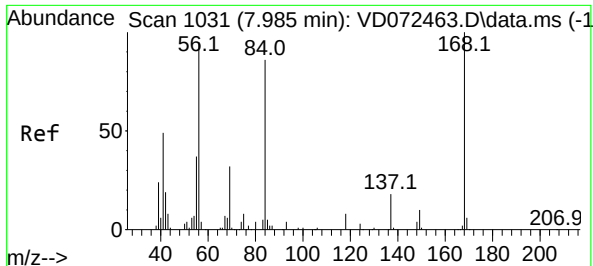
Tgt Ion: 43 Resp: 555
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#29
 Tetrahydrofuran
 Concen: 1.406 ug/l
 RT: 7.567 min Scan# 960
 Delta R.T. 0.006 min
 Lab File: VD072666.D
 Acq: 21 Apr 2022 12:59

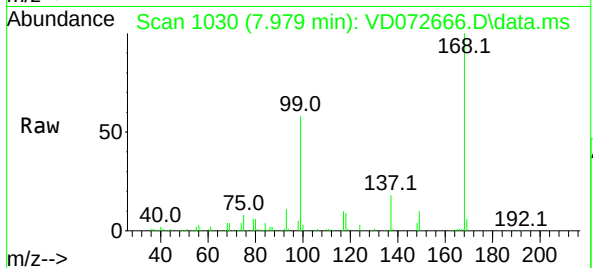
Tgt Ion: 42 Resp: 1425
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.7 46.1#
 71 35.5 28.6 43.0



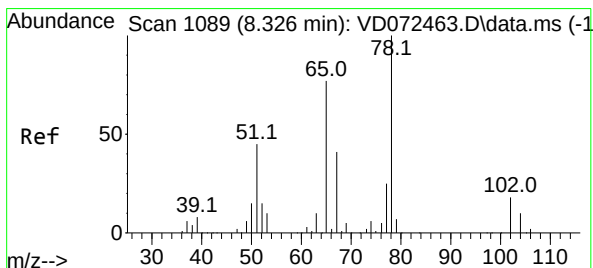
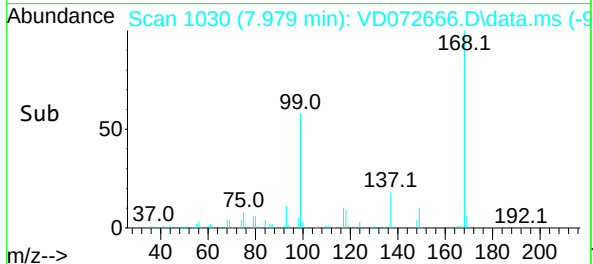
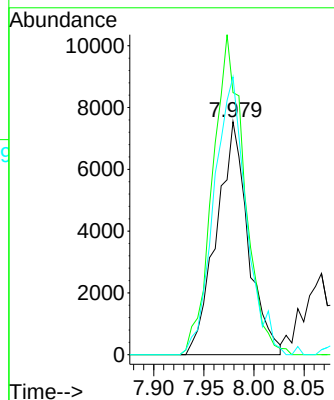


#31
Cyclohexane
Concen: 1.952 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Instrument :
MSVOA_D
ClientSampleId :
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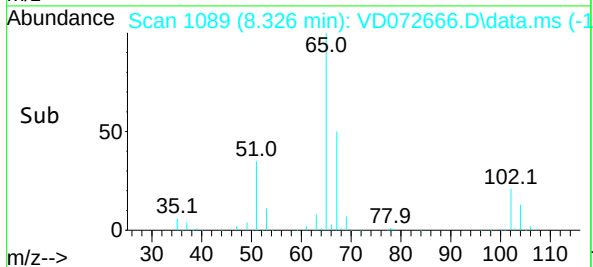
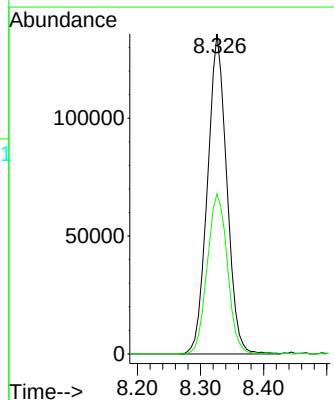
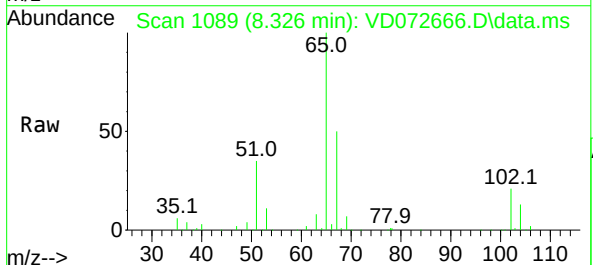


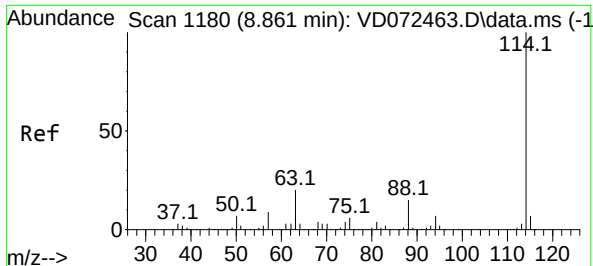
Tgt Ion: 56 Resp: 16609
Ion Ratio Lower Upper
56 100
69 112.5 25.4 38.2#
84 119.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 44.166 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion: 65 Resp: 287412
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.4

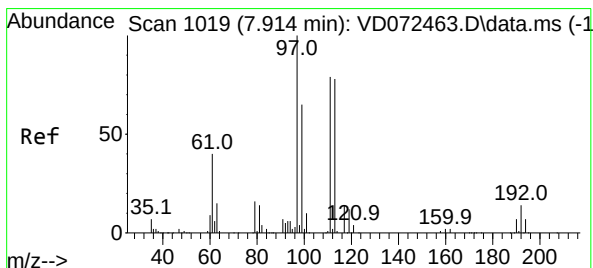
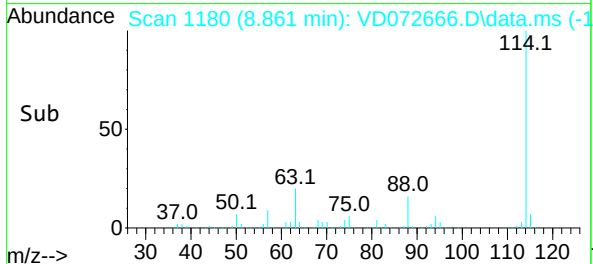
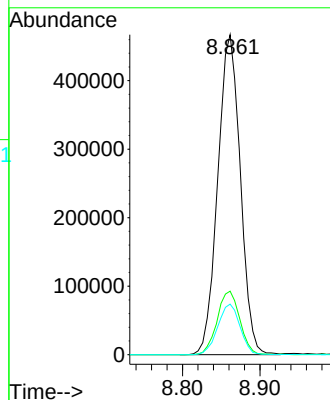
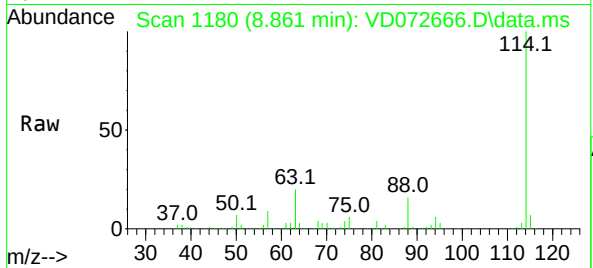




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

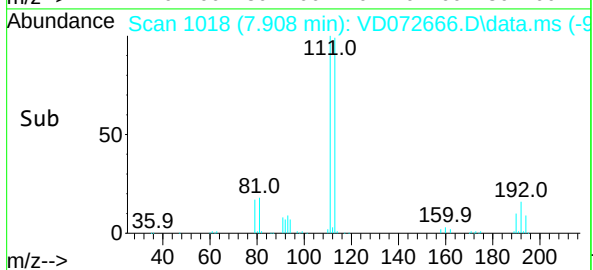
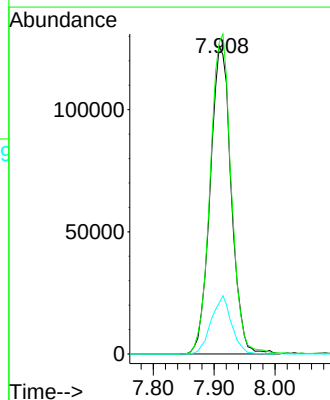
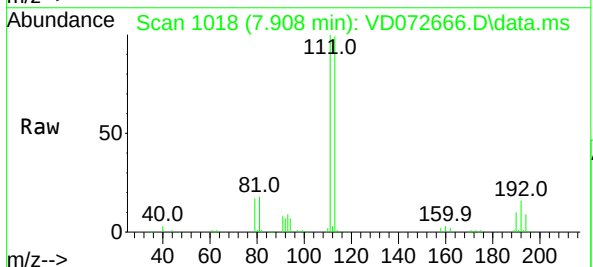
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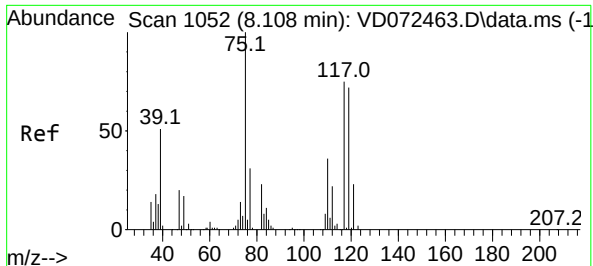
Tgt Ion:114 Resp: 944951
Ion Ratio Lower Upper
114 100
63 19.9 0.0 46.6
88 15.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 41.250 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion:113 Resp: 302923
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.6
192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.545 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VD072666.D

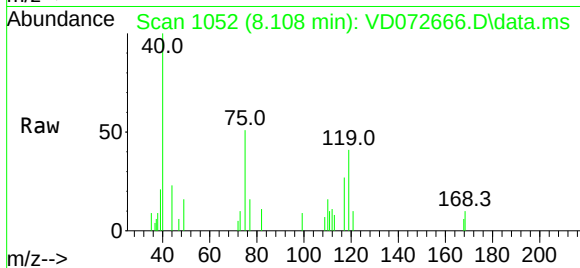
Acq: 21 Apr 2022 12:59

Instrument :

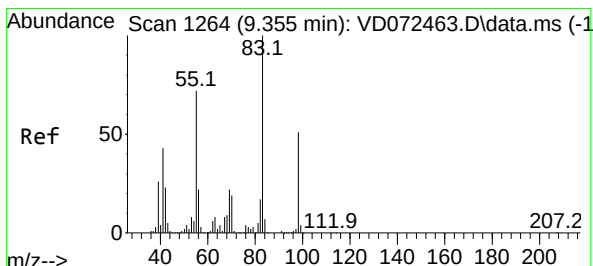
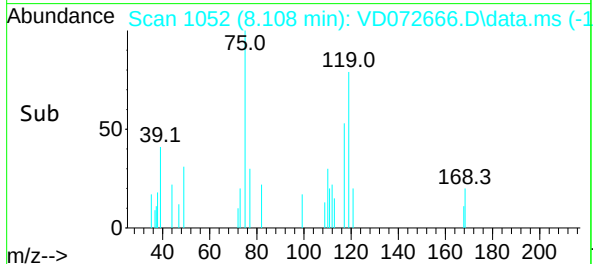
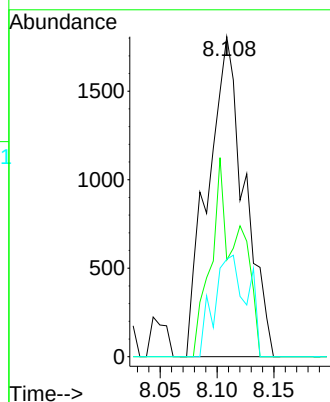
MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	4040
Ion Ratio	Lower	Upper	
75	100		
110	31.3	16.4	49.1
77	28.5	24.2	36.2



#39

Methylcyclohexane

Concen: 3.391 ug/l

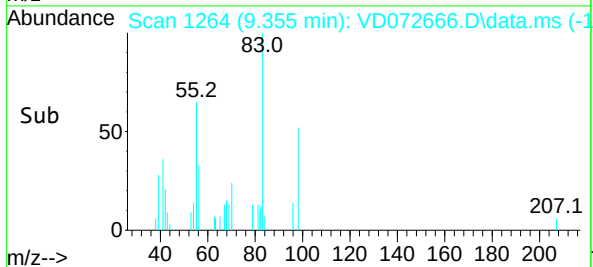
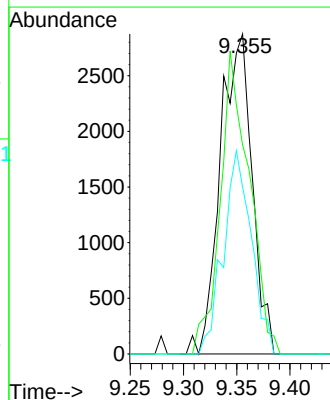
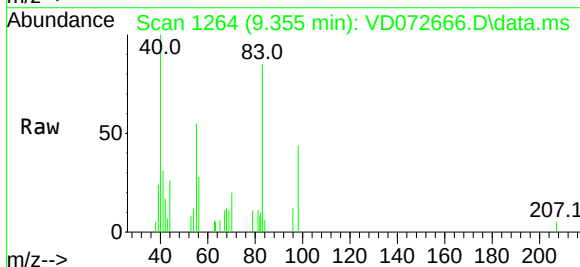
RT: 9.355 min Scan# 1264

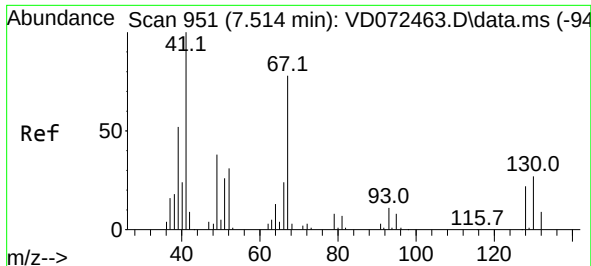
Delta R.T. 0.000 min

Lab File: VD072666.D

Acq: 21 Apr 2022 12:59

Tgt Ion:	83	Resp:	5963
Ion Ratio	Lower	Upper	
83	100		
55	65.3	63.2	94.8
98	52.2	38.2	57.4

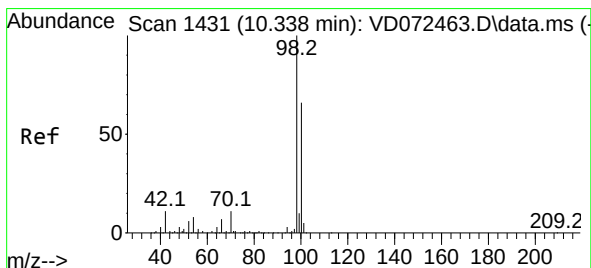
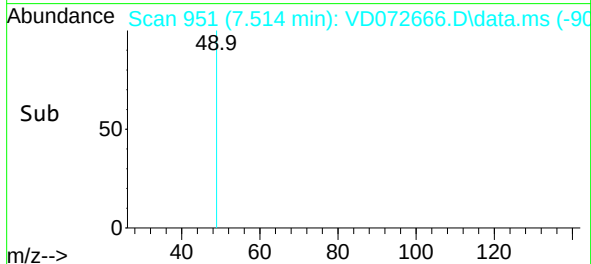
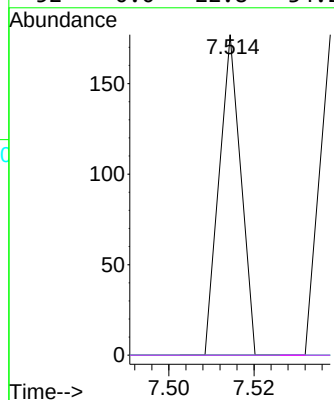
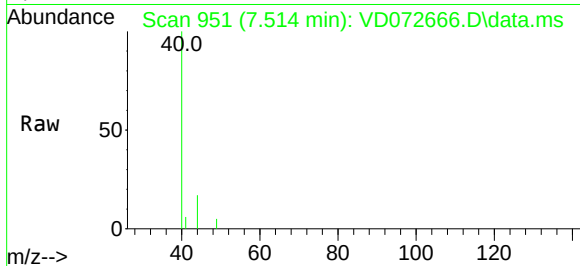




#41
Methacrylonitrile
Concen: 1.684 ug/l
RT: 7.514 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

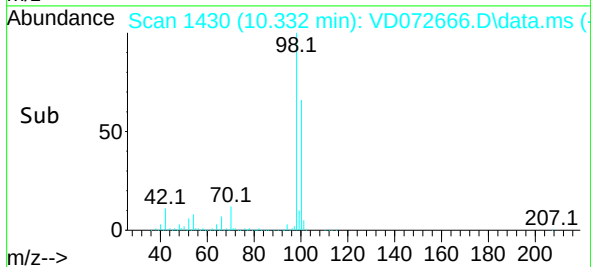
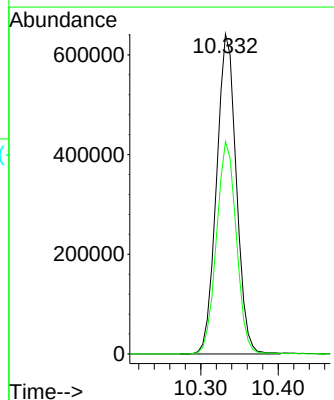
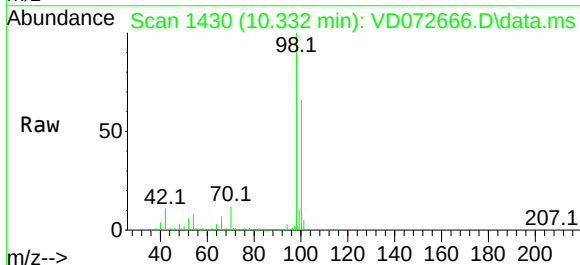
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

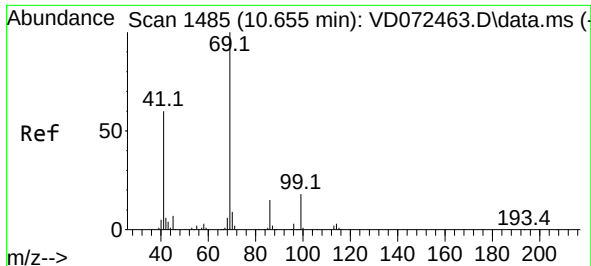
Tgt Ion: 41	Resp: 62
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 44.517 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion: 98	Resp: 1136382
Ion Ratio	Lower Upper
98 100	
100 66.7	52.4 78.6

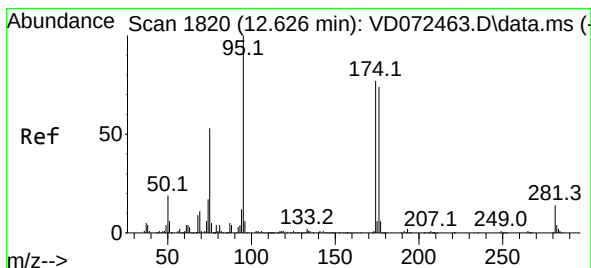
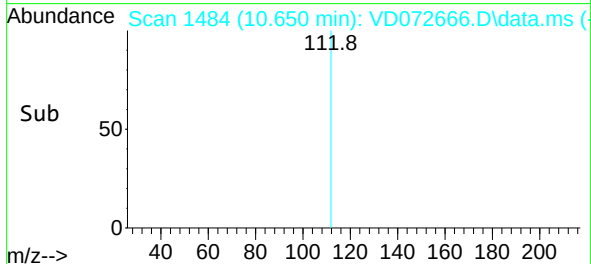
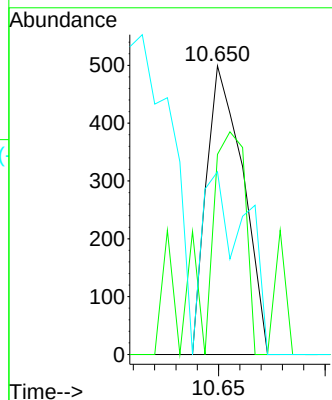
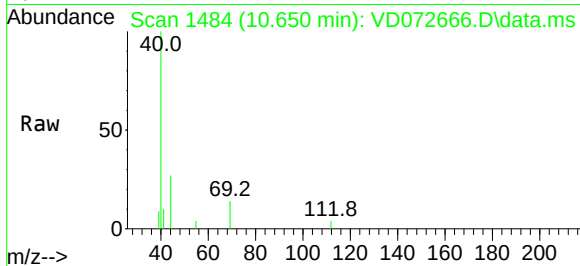




#56
Ethyl methacrylate
Concen: 1.274 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

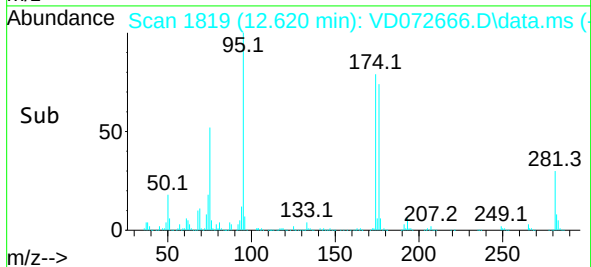
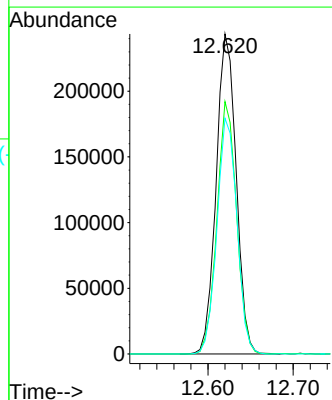
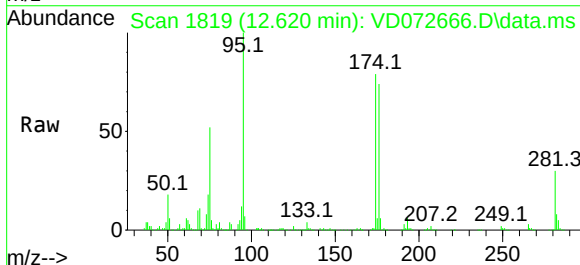
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

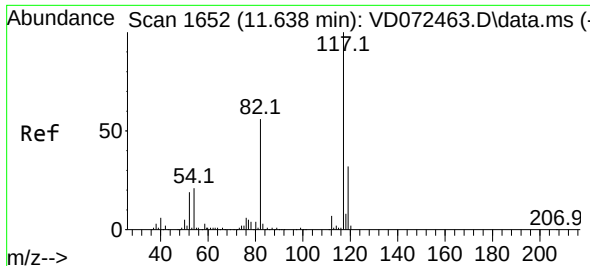
Tgt Ion: 69	Resp: 595
Ion Ratio	Lower Upper
69 100	
41 77.1	63.0 94.6
39 75.0	33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 39.875 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion: 95	Resp: 397532
Ion Ratio	Lower Upper
95 100	
174 77.1	0.0 152.8
176 73.4	0.0 145.4

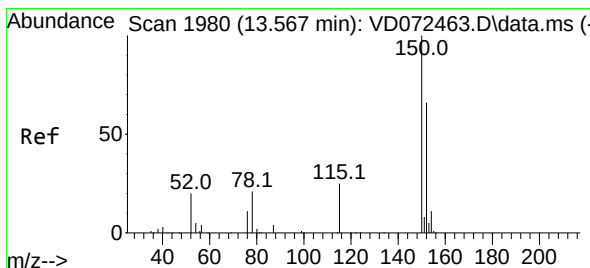
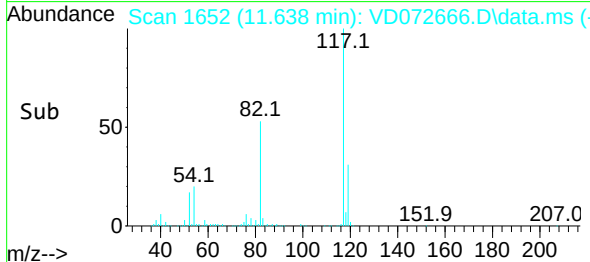
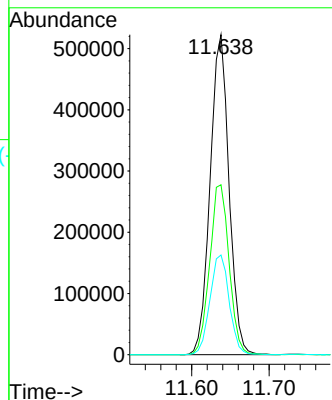
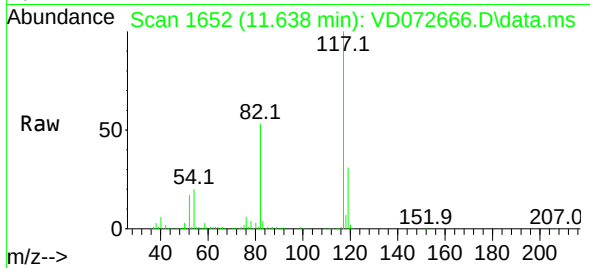




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

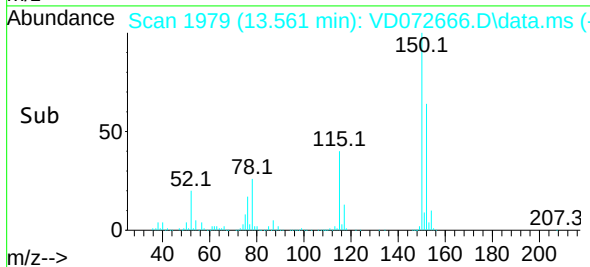
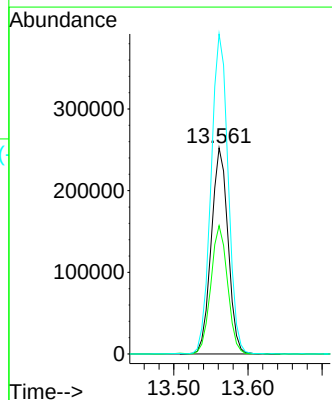
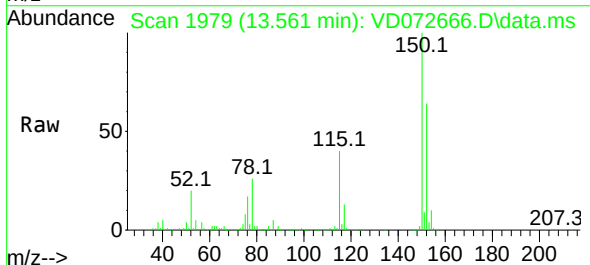
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

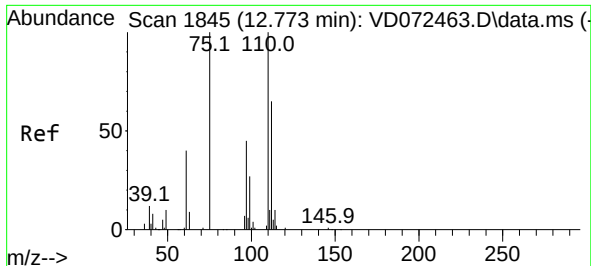
Tgt Ion:117 Resp: 886108
Ion Ratio Lower Upper
117 100
82 53.1 45.3 67.9
119 31.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion:152 Resp: 395983
Ion Ratio Lower Upper
152 100
115 62.3 31.3 93.8
150 158.6 0.0 348.6

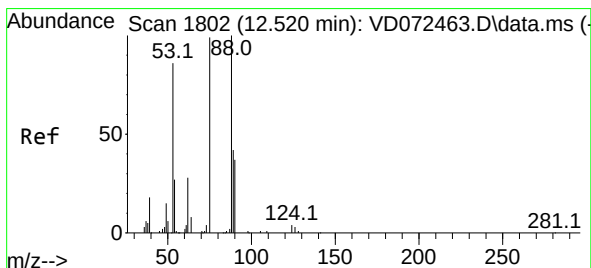
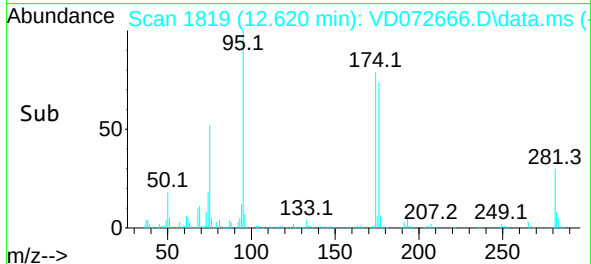
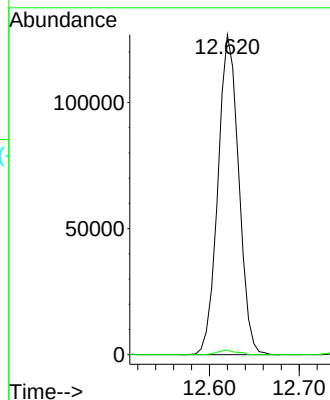
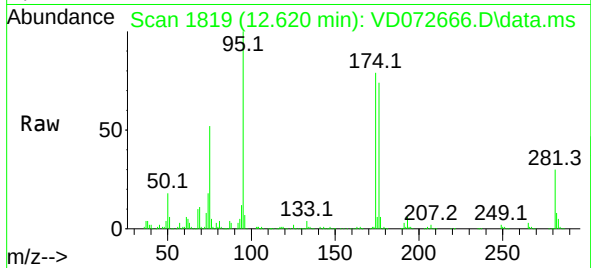




#76
1,2,3-Trichloropropane
Concen: 47.291 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-8-10

Tgt Ion: 75 Resp: 204244
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.044 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072666.D
Acq: 21 Apr 2022 12:59

Tgt Ion: 75 Resp: 204244
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.4 33.9 50.9#

