

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072654.D
 Acq On : 20 Apr 2022 18:29
 Operator : VA/SY
 Sample : N2479-03
 Misc : 5.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E14ST-EB4-041922-0-2MSD

Quant Time: Apr 21 01:55:21 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)

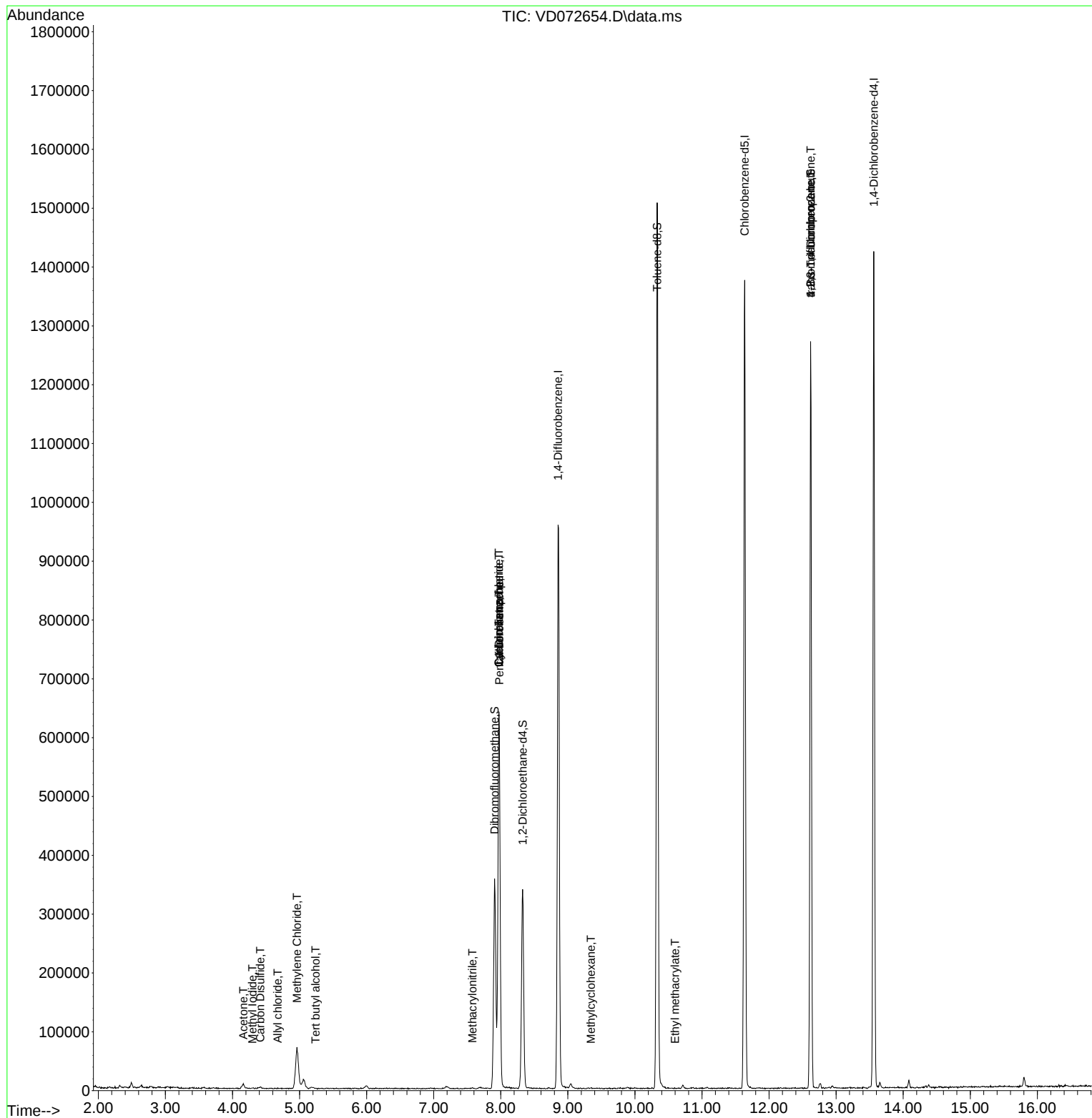
Internal Standards						
1) Pentafluorobenzene	7.979	168	469167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	849769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	815570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	368763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	270215	47.611	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.220%		
35) Dibromofluoromethane	7.908	113	252905	38.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	76.600%		
50) Toluene-d8	10.332	98	1025510	44.674	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.340%		
62) 4-Bromofluorobenzene	12.620	95	367494	40.991	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.980%		
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	450	3.814	ug/l #	59
11) Tert butyl alcohol	5.238	59	483	1.612	ug/l #	74
14) Allyl chloride	4.673	41	61	1.135	ug/l #	22
16) Acetone	4.161	43	12583	11.890	ug/l	91
17) Carbon Disulfide	4.414	76	5113	4.146	ug/l #	92
20) Methylene Chloride	4.961	84	54384	8.632	ug/l #	79
31) Cyclohexane	7.973	56	10207	1.375	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	38587	5.594	ug/l #	52
38) Carbon Tetrachloride	7.973	117	50869	5.591	ug/l #	18
39) Methylcyclohexane	9.343	83	705	2.944	ug/l #	72
41) Methacrylonitrile	7.579	41	249	1.776	ug/l #	38
56) Ethyl methacrylate	10.596	69	64	1.201	ug/l #	73
76) 1,2,3-Trichloropropane	12.620	75	186568	46.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	186568	113.826	ug/l #	7

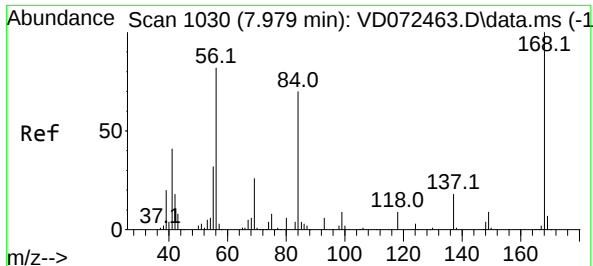
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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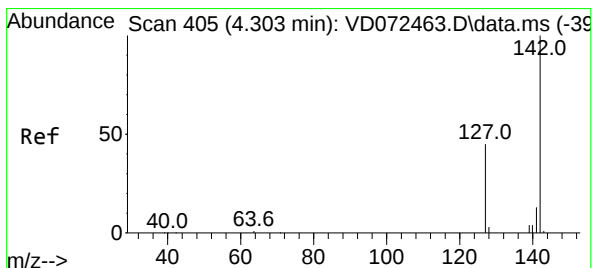
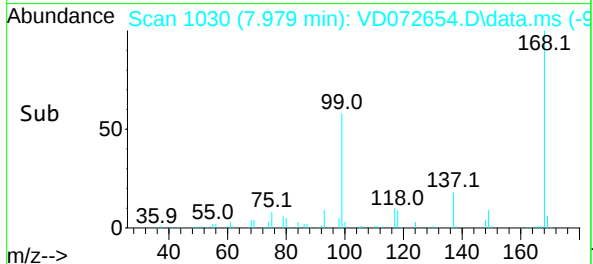
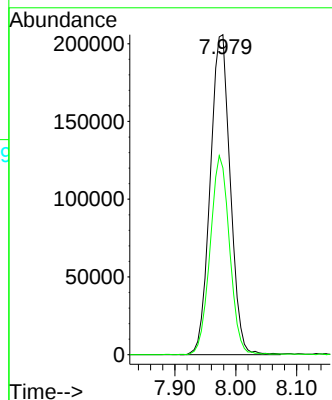
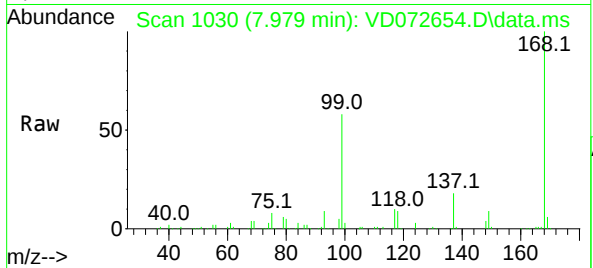




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

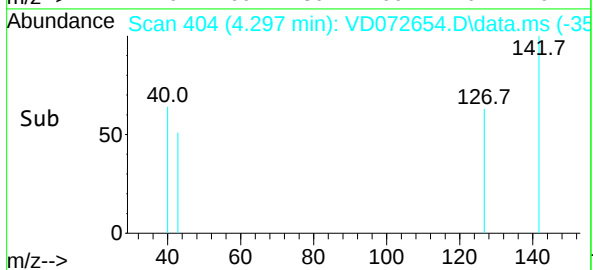
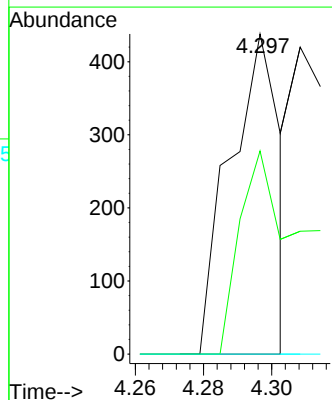
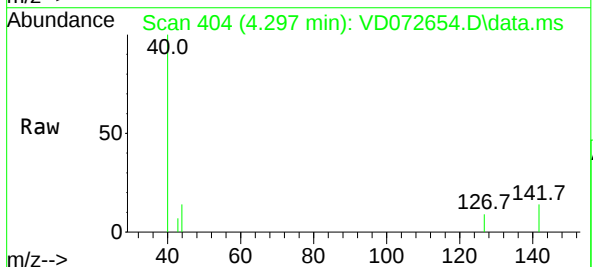
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-0-2MSD

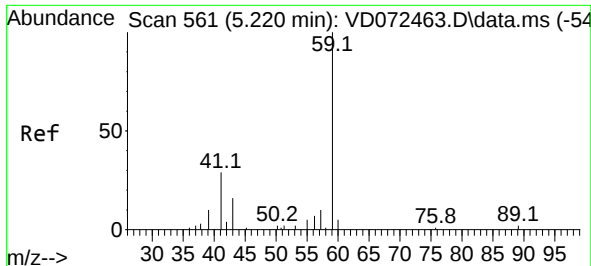
Tgt Ion:168 Resp: 469167
Ion Ratio Lower Upper
168 100
99 58.3 49.8 74.6



#10
Methyl Iodide
Concen: 3.814 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Tgt Ion:142 Resp: 450
Ion Ratio Lower Upper
142 100
127 75.1 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 1.612 ug/l

RT: 5.238 min Scan# 5

Delta R.T. 0.017 min

Lab File: VD072654.D

Acq: 20 Apr 2022 18:29

Instrument :

MSVOA_D

ClientSampleId :

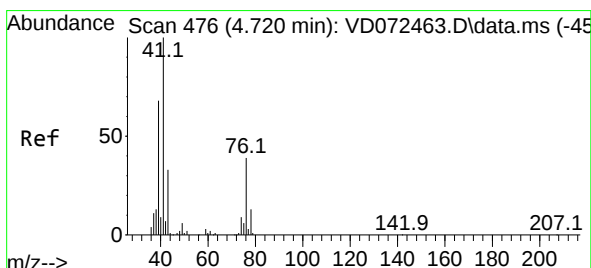
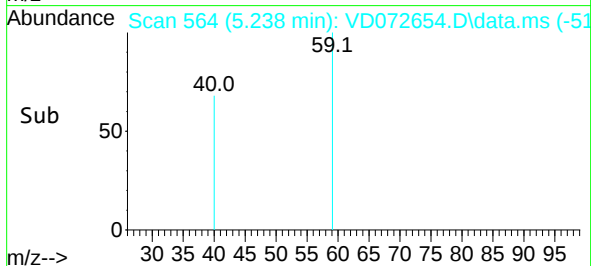
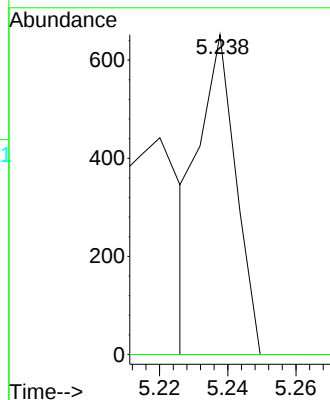
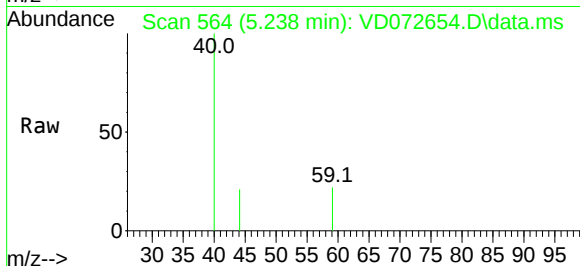
E14ST-EB4-041922-0-2MSD

Tgt Ion: 59 Resp: 483

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.135 ug/l

RT: 4.673 min Scan# 468

Delta R.T. -0.047 min

Lab File: VD072654.D

Acq: 20 Apr 2022 18:29

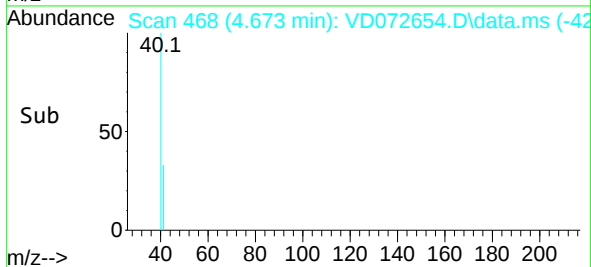
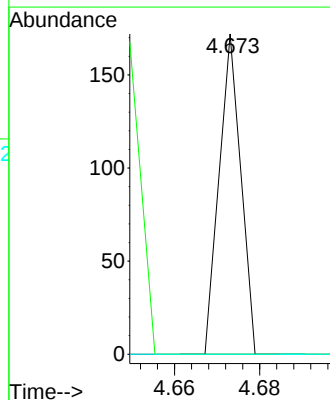
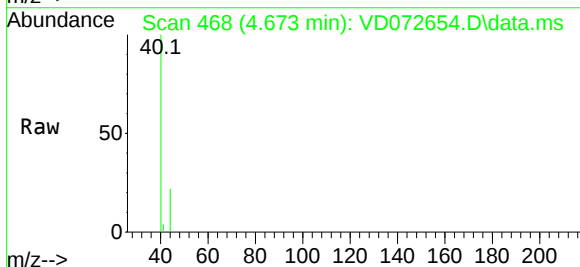
Tgt Ion: 41 Resp: 61

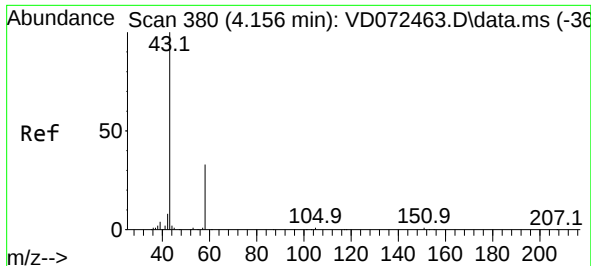
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

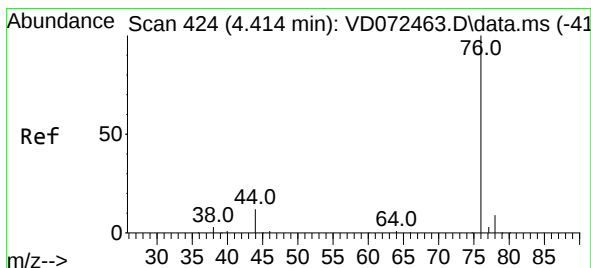
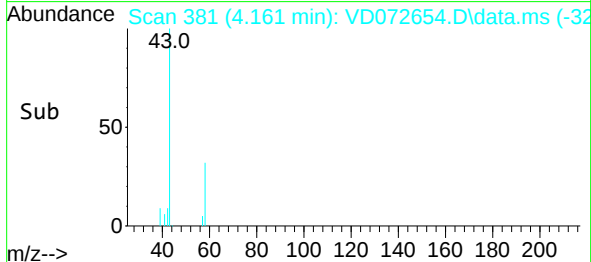
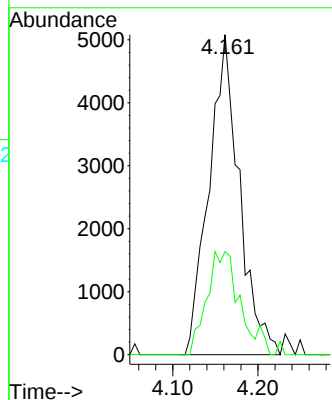
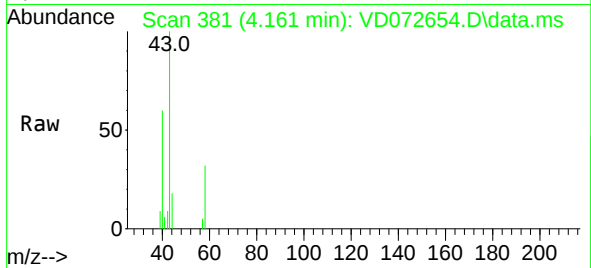




#16
Acetone
Concen: 11.890 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

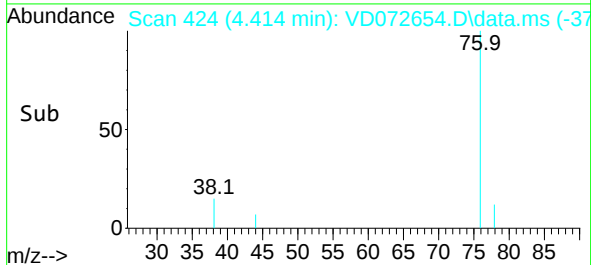
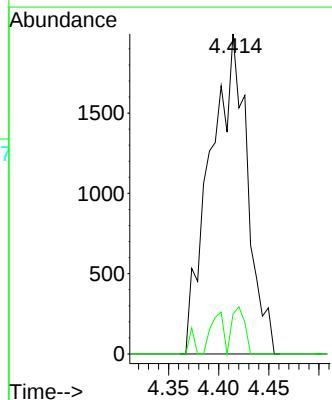
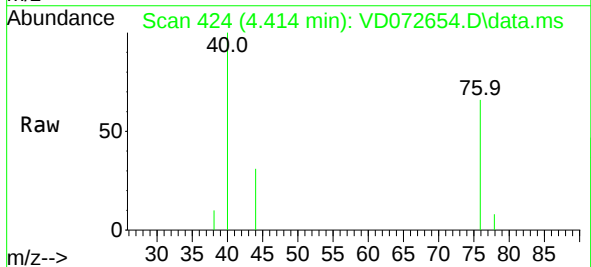
Instrument :
MSVOA_D
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E14ST-EB4-041922-0-2MSD

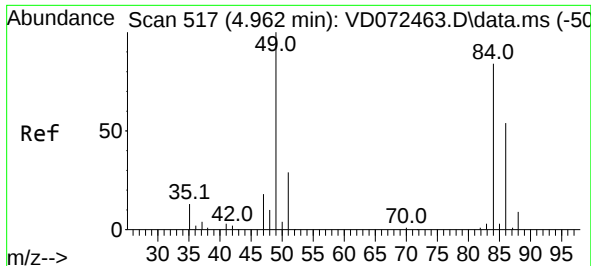
Tgt Ion: 43 Resp: 12583
Ion Ratio Lower Upper
43 100
58 32.2 22.1 33.1



#17
Carbon Disulfide
Concen: 4.146 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Tgt Ion: 76 Resp: 5113
Ion Ratio Lower Upper
76 100
78 12.4 7.5 11.3#

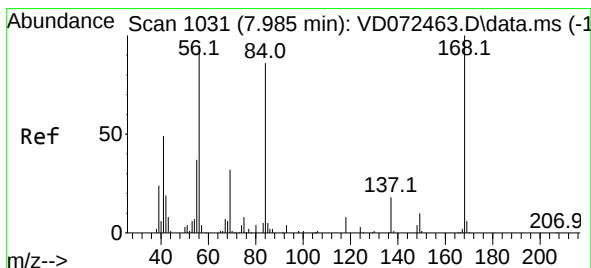
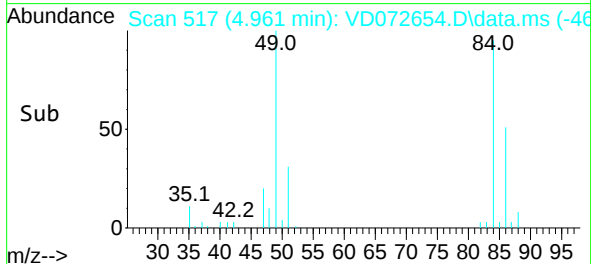
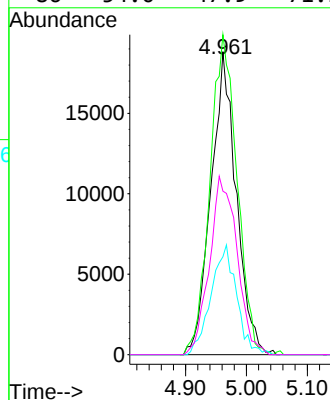
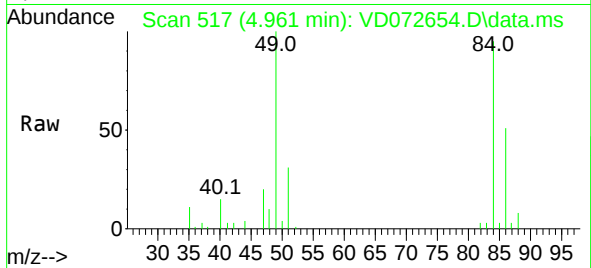




#20
Methylene Chloride
Concen: 8.632 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

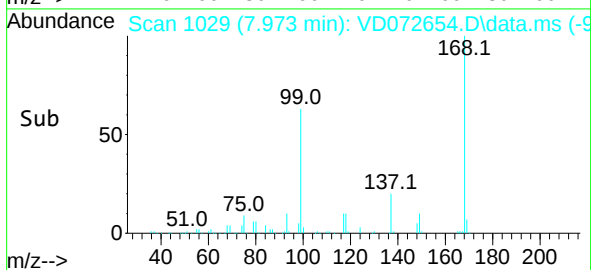
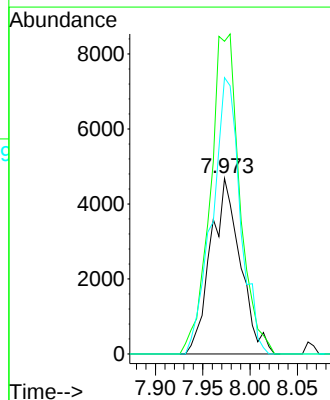
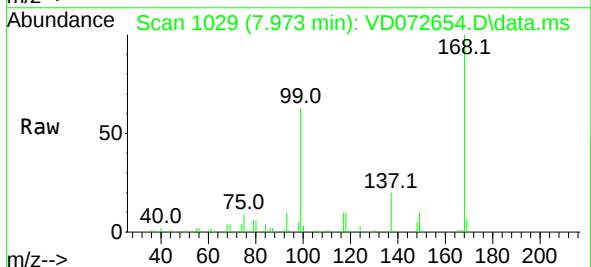
Instrument : MSVOA_D
ClientSampleId : E14ST-EB4-041922-0-2MSD

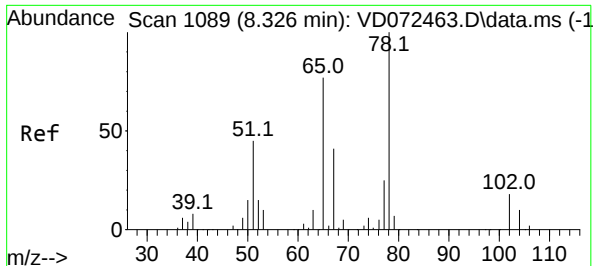
Tgt Ion:	84	Resp:	54384
Ion	Ratio	Lower	Upper
84	100		
49	105.6	112.8	169.2#
51	32.3	32.6	48.8#
86	54.0	47.9	71.9



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Tgt Ion:	56	Resp:	10207
Ion	Ratio	Lower	Upper
56	100		
69	178.0	25.4	38.2#
84	157.4	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.611 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD072654.D

Acq: 20 Apr 2022 18:29

Instrument :

MSVOA_D

ClientSampleId :

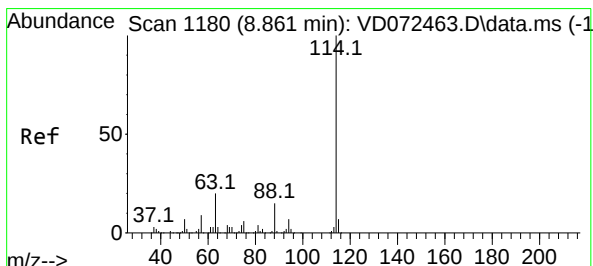
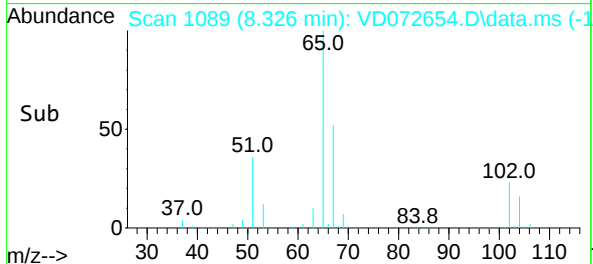
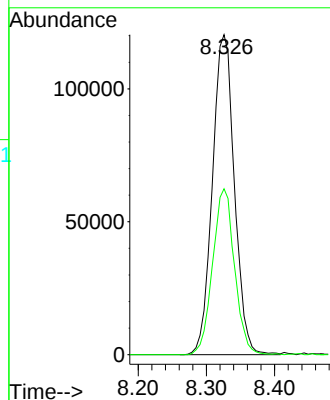
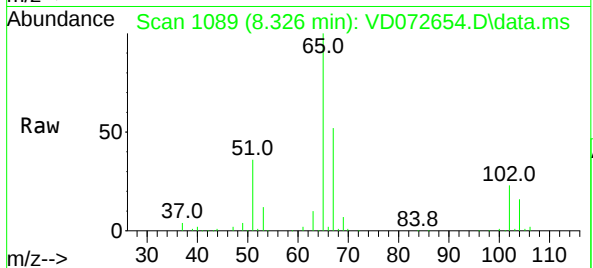
E14ST-EB4-041922-0-2MSD

Tgt Ion: 65 Resp: 270215

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072654.D

Acq: 20 Apr 2022 18:29

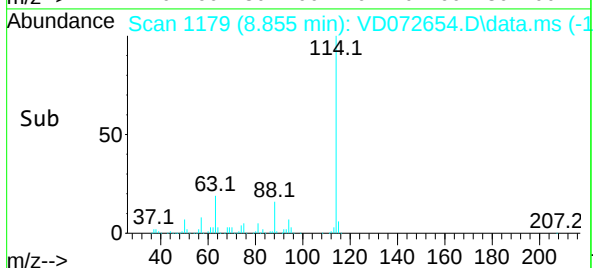
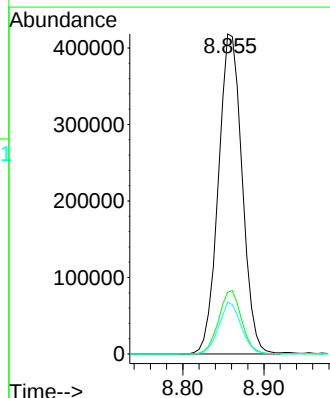
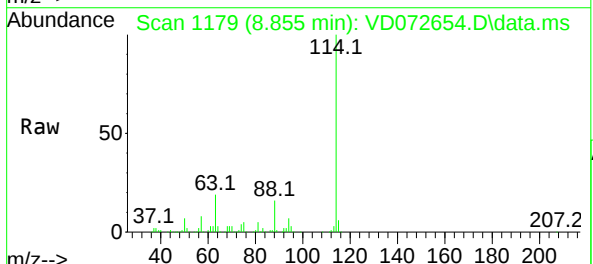
Tgt Ion: 114 Resp: 849769

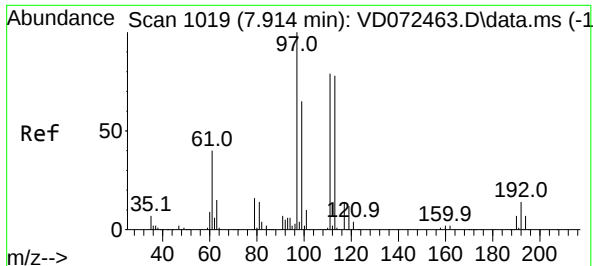
Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 38.296 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072654.D

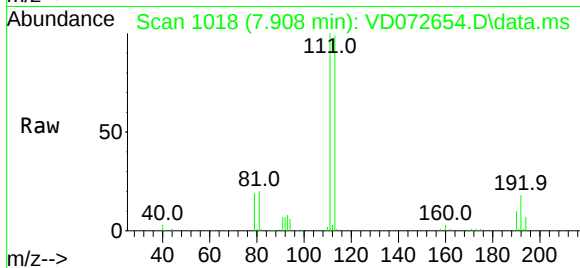
Acq: 20 Apr 2022 18:29

Instrument :

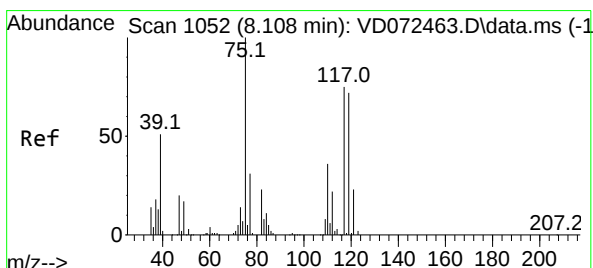
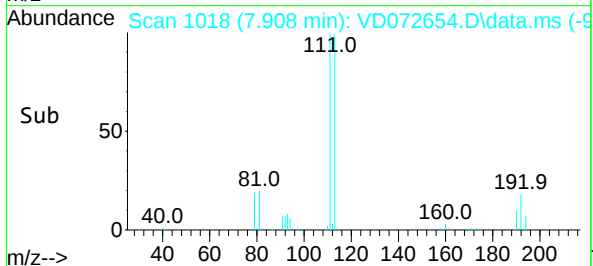
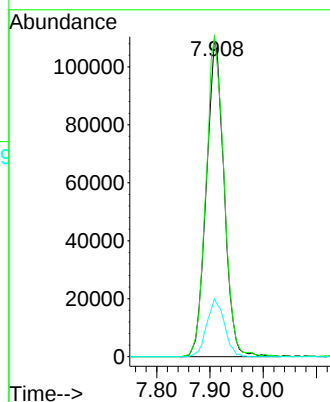
MSVOA_D

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Tgt Ion:	113	Resp:	252905
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.8	125.6
192	18.1	14.6	21.8



#36

1,1-Dichloropropene

Concen: 5.594 ug/l

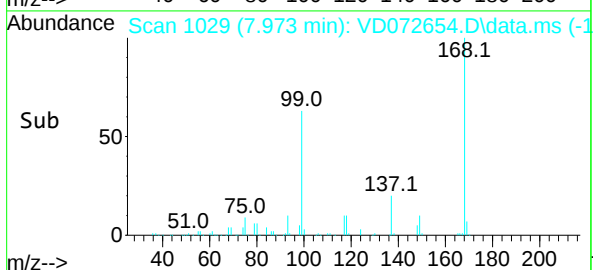
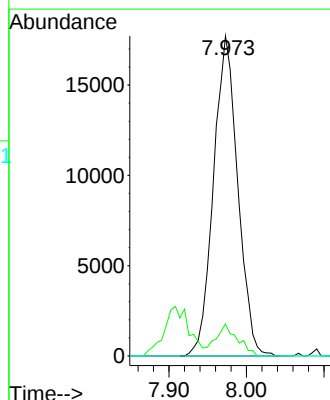
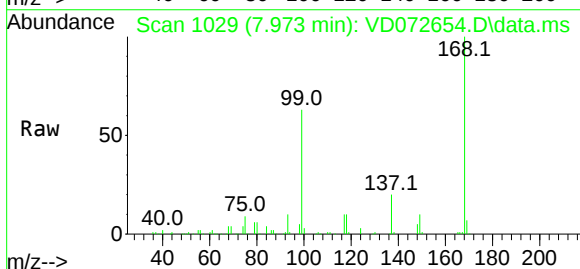
RT: 7.973 min Scan# 1029

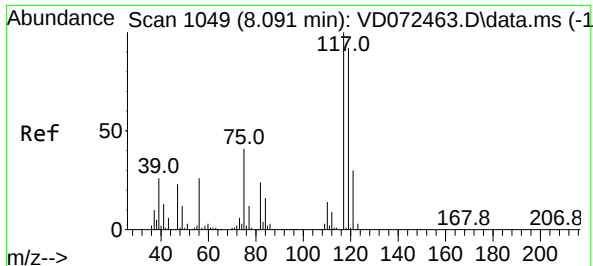
Delta R.T. -0.135 min

Lab File: VD072654.D

Acq: 20 Apr 2022 18:29

Tgt Ion:	75	Resp:	38587
Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.4	49.1#
77	0.0	24.2	36.2#

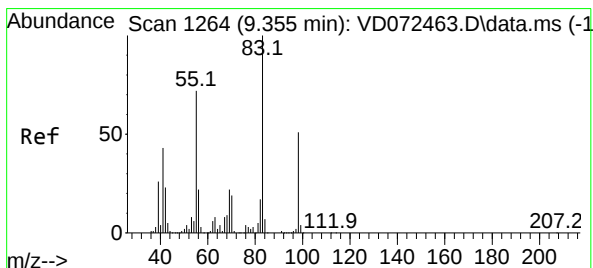
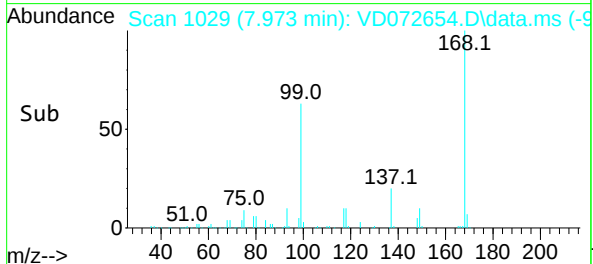
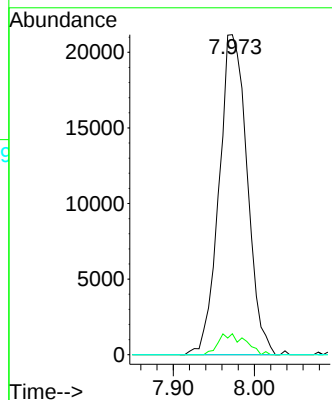
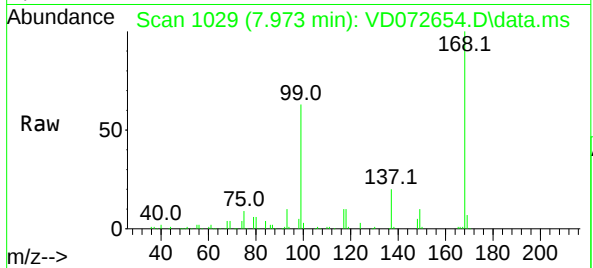




#38
Carbon Tetrachloride
Concen: 5.591 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

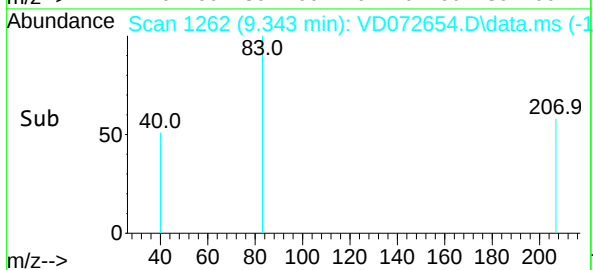
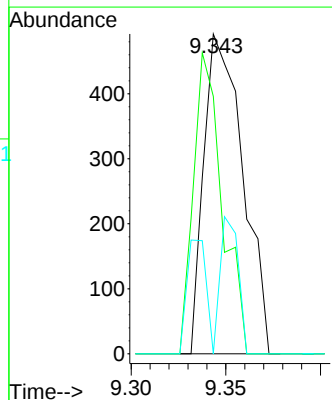
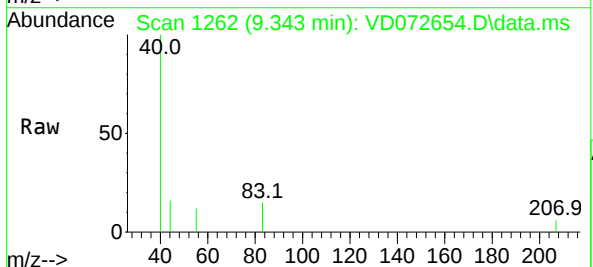
Instrument : MSVOA_D
ClientSampleId : E14ST-EB4-041922-0-2MSD

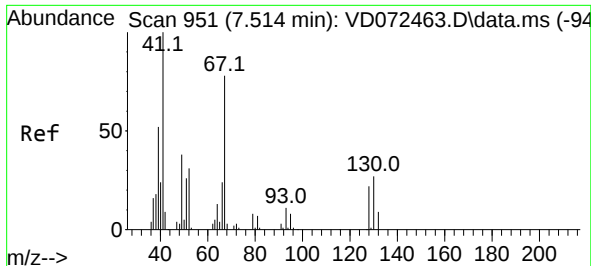
Tgt Ion: 117 Resp: 50869
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.944 ug/l
RT: 9.343 min Scan# 1262
Delta R.T. -0.012 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Tgt Ion: 83 Resp: 705
Ion Ratio Lower Upper
83 100
55 80.5 63.2 94.8
98 0.0 38.2 57.4#

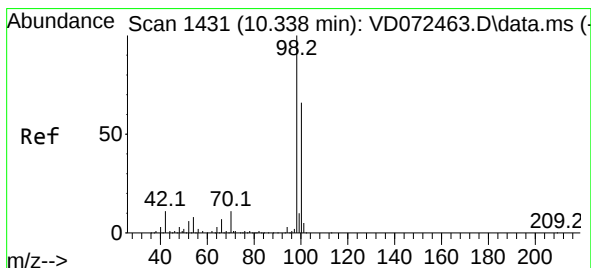
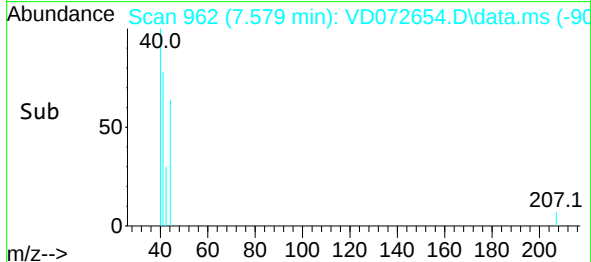
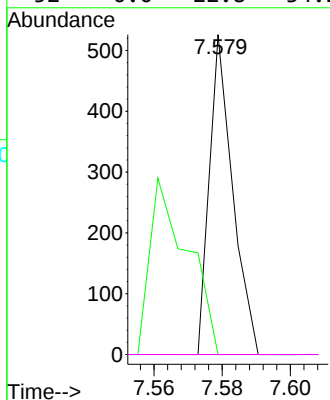
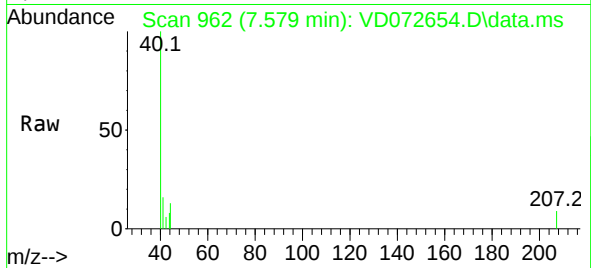




#41
Methacrylonitrile
Concen: 1.776 ug/l
RT: 7.579 min Scan# 90
Delta R.T. 0.065 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

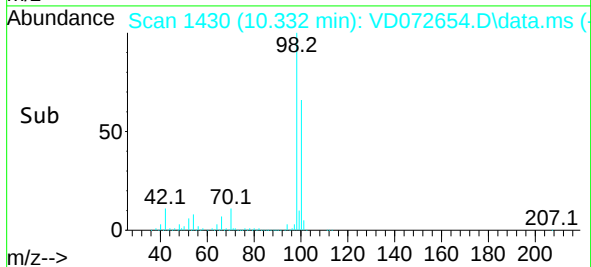
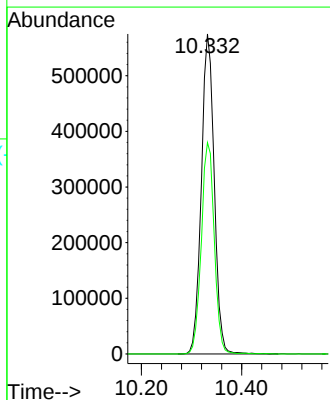
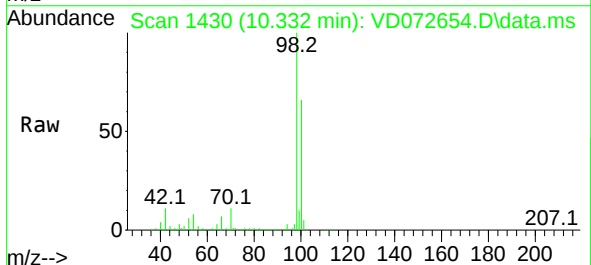
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-0-2MSD

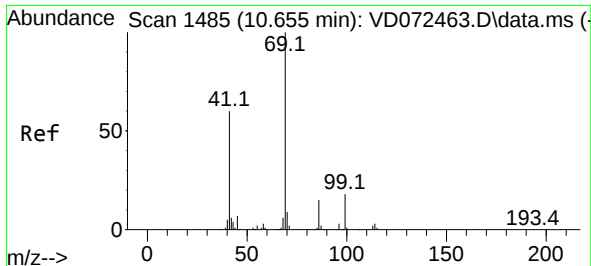
Tgt Ion: 41	Resp: 249
Ion Ratio	Lower Upper
41 100	
39 89.6	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 44.674 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Tgt Ion: 98	Resp: 1025510
Ion Ratio	Lower Upper
98 100	
100 66.5	52.4 78.6

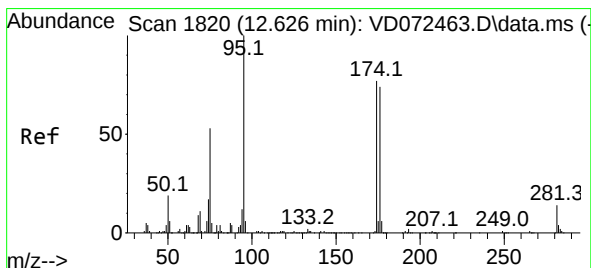
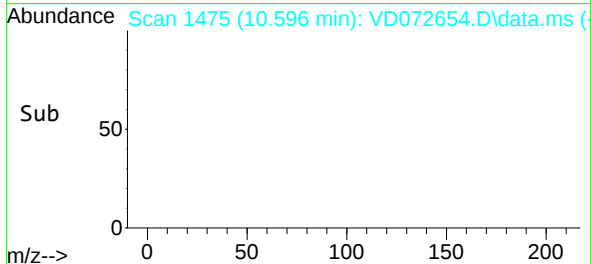
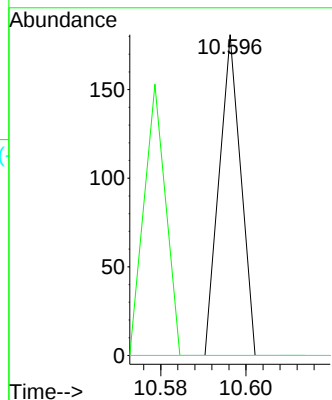
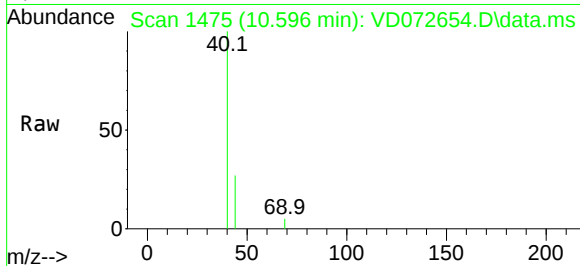




#56
Ethyl methacrylate
Concen: 1.201 ug/l
RT: 10.596 min Scan# 1485
Delta R.T. -0.059 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

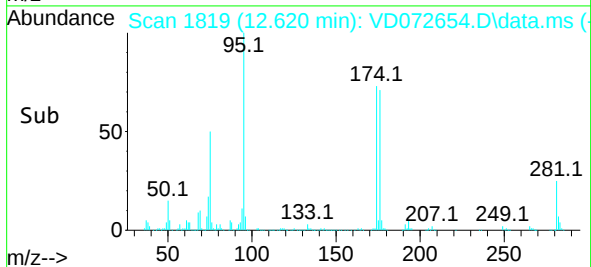
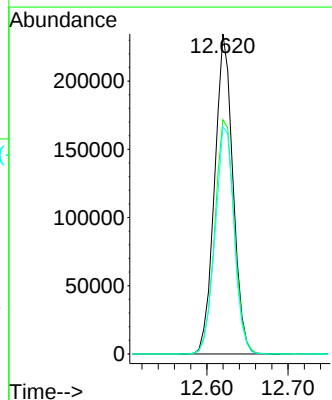
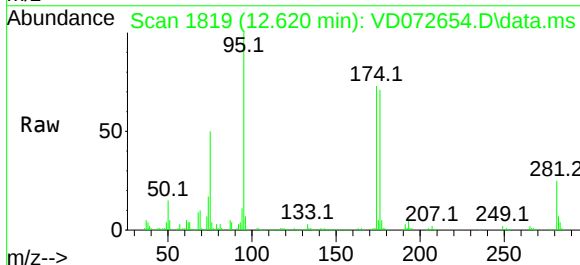
Instrument : MSVOA_D
ClientSampleId : E14ST-EB4-041922-0-2MSD

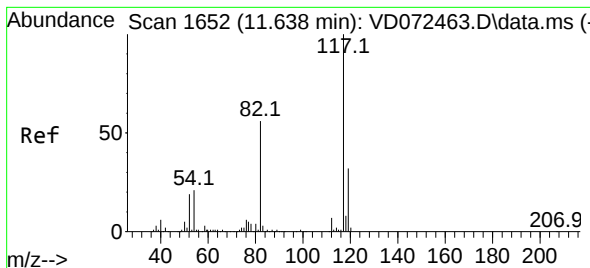
Tgt Ion: 69	Resp: 64		
Ion Ratio	Lower	Upper	
69 100			
41 84.4	63.0	94.6	
39 0.0	33.8	50.8	#



#62
4-Bromofluorobenzene
Concen: 40.991 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Tgt Ion: 95	Resp: 367494		
Ion Ratio	Lower	Upper	
95 100			
174	77.7	0.0	152.8
176	73.7	0.0	145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.637 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072654.D

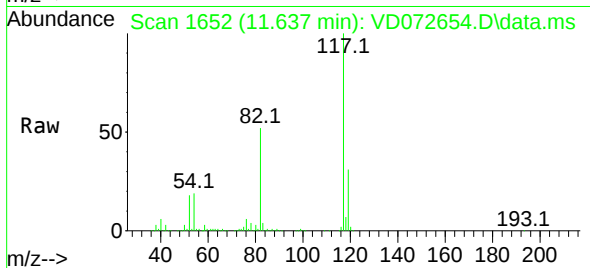
Acq: 20 Apr 2022 18:29

Instrument :

MSVOA_D

ClientSampleId :

E14ST-EB4-041922-0-2MSD



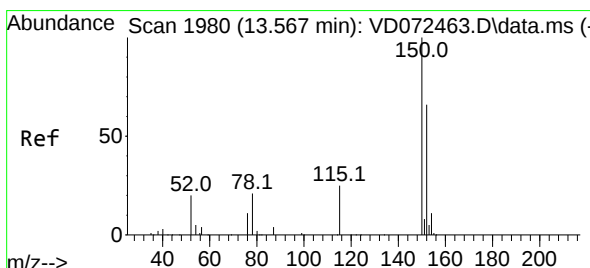
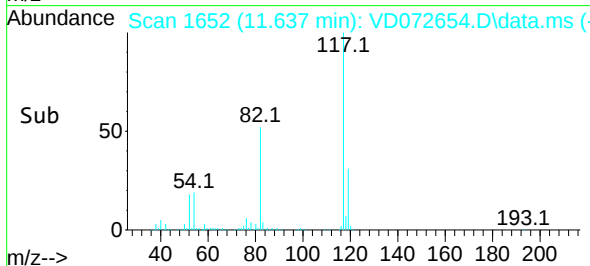
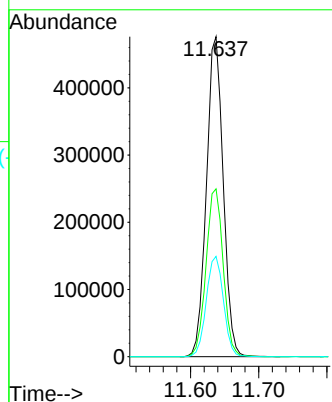
Tgt Ion:117 Resp: 815570

Ion Ratio Lower Upper

117 100

82 52.4 45.3 67.9

119 31.3 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: VD072654.D

Acq: 20 Apr 2022 18:29

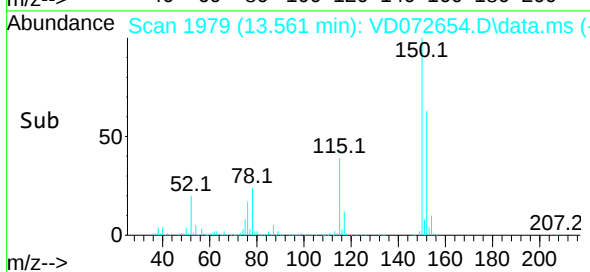
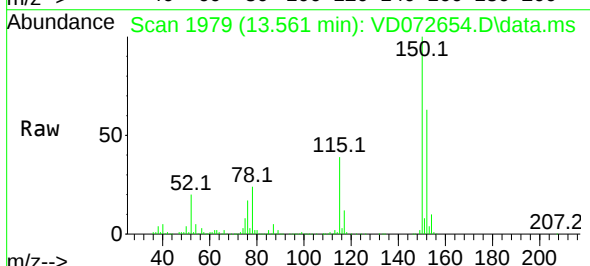
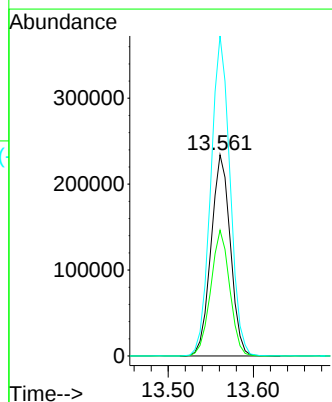
Tgt Ion:152 Resp: 368763

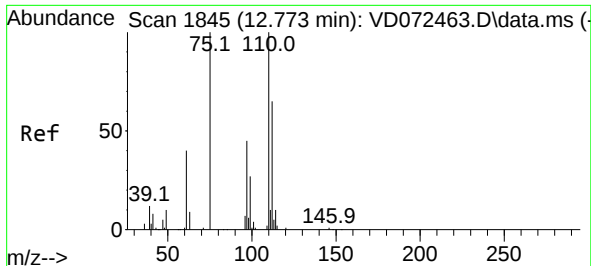
Ion Ratio Lower Upper

152 100

115 61.3 31.3 93.8

150 158.5 0.0 348.6

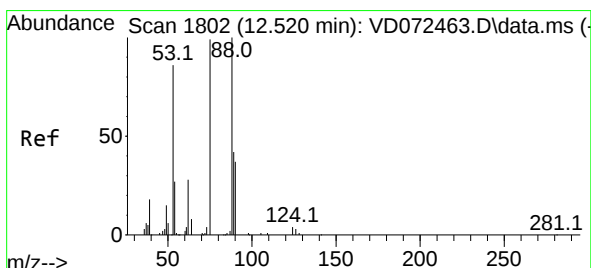
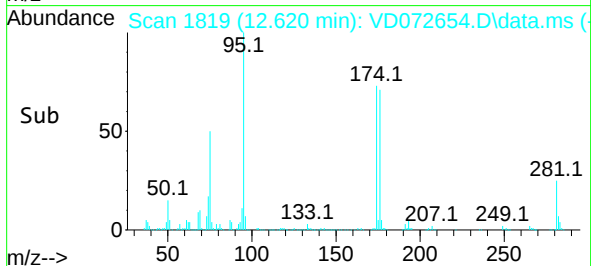
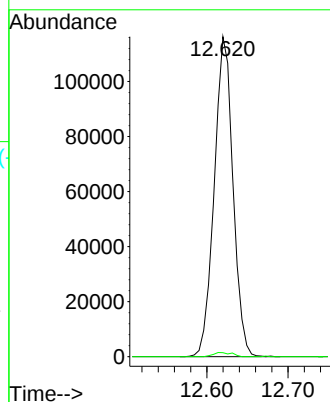
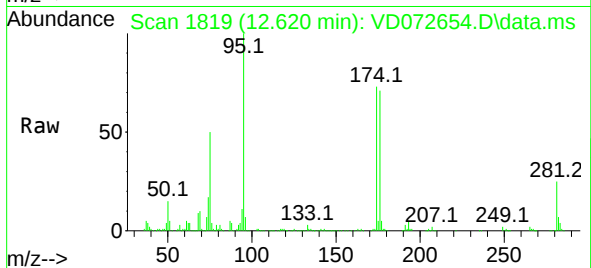




#76
1,2,3-Trichloropropane
Concen: 46.387 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Instrument : MSVOA_D
ClientSampleId : E14ST-EB4-041922-0-2MSD

Tgt Ion: 75 Resp: 186568
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.826 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072654.D
Acq: 20 Apr 2022 18:29

Tgt Ion: 75 Resp: 186568
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.6 33.9 50.9#

