

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072653.D
 Acq On : 20 Apr 2022 18:01
 Operator : VA/SY
 Sample : N2479-02
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 21 01:55:09 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)

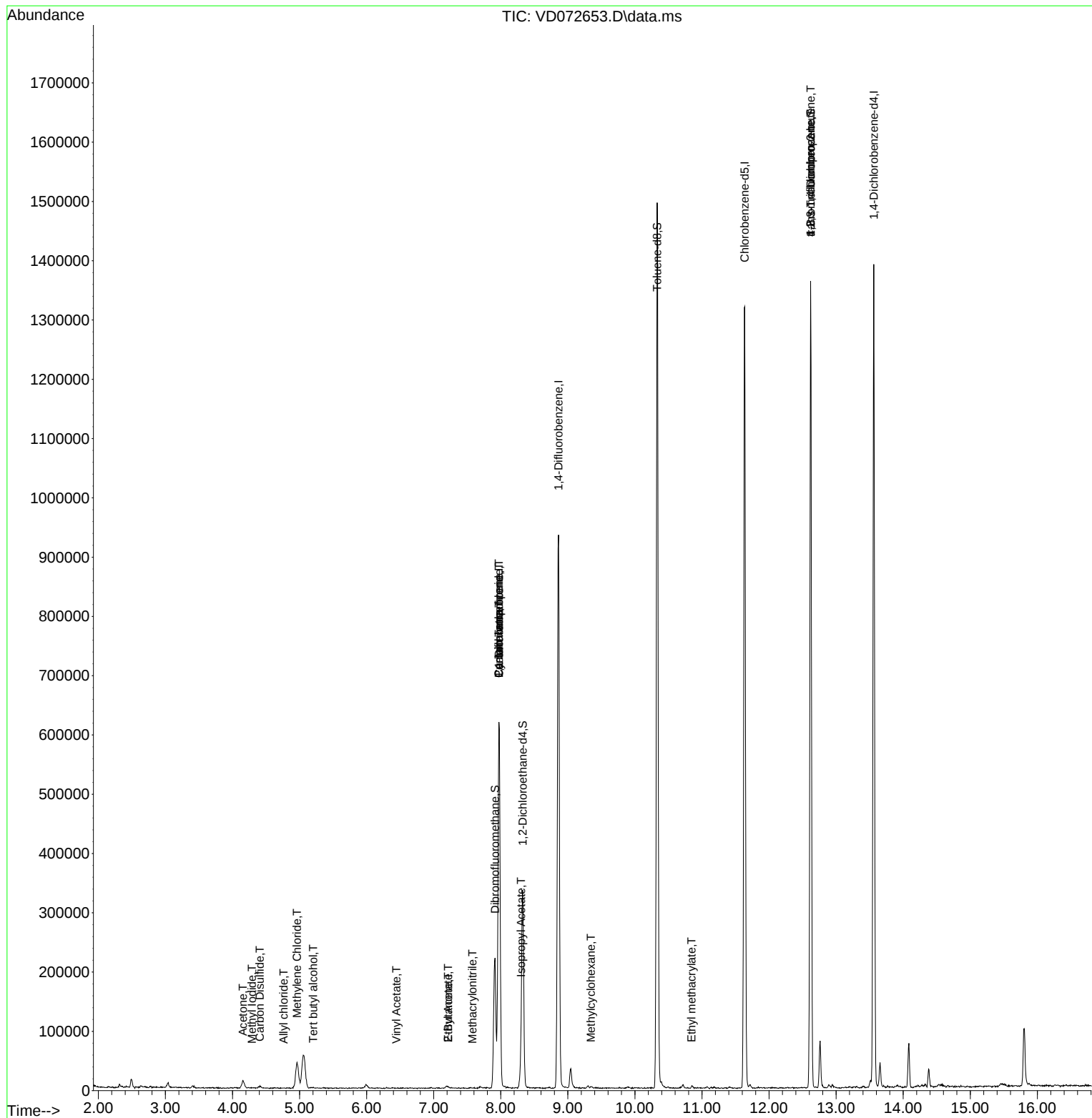
Internal Standards						
1) Pentafluorobenzene	7.973	168	456997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	828819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	795827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	367024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	259401	46.923	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.840%		
35) Dibromofluoromethane	7.914	113	161006	24.997	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	50.000%#		
50) Toluene-d8	10.332	98	997327	44.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.080%		
62) 4-Bromofluorobenzene	12.620	95	354079	40.493	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.980%		
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	531	3.831	ug/l #	69
11) Tert butyl alcohol	5.203	59	1334	4.569	ug/l #	74
14) Allyl chloride	4.761	41	61	1.135	ug/l #	22
16) Acetone	4.156	43	21572	20.927	ug/l	96
17) Carbon Disulfide	4.409	76	7196	4.377	ug/l #	87
20) Methylene Chloride	4.961	84	34756	5.663	ug/l #	77
23) Vinyl Acetate	6.444	43	59	6.295	ug/l #	75
25) 2-Butanone	7.214	43	4242	2.975	ug/l #	86
31) Cyclohexane	7.973	56	9861	1.364	ug/l #	12
36) 1,1-Dichloropropene	7.973	75	36522	5.461	ug/l #	52
37) Ethyl Acetate	7.214	43	4242	1.243	ug/l #	72
38) Carbon Tetrachloride	7.973	117	49361	5.563	ug/l #	17
39) Methylcyclohexane	9.344	83	1031	2.978	ug/l #	45
41) Methacrylonitrile	7.579	41	98	1.706	ug/l #	11
43) Isopropyl Acetate	8.302	43	15599	2.383	ug/l #	54
56) Ethyl methacrylate	10.844	69	130	1.212	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	183192	45.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	183192	112.296	ug/l #	7

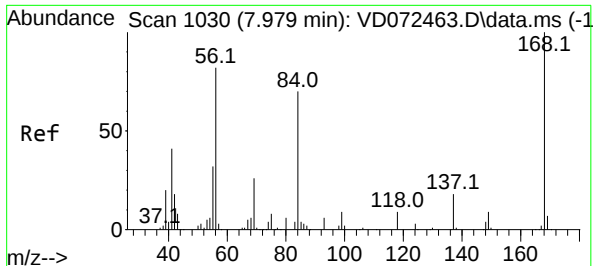
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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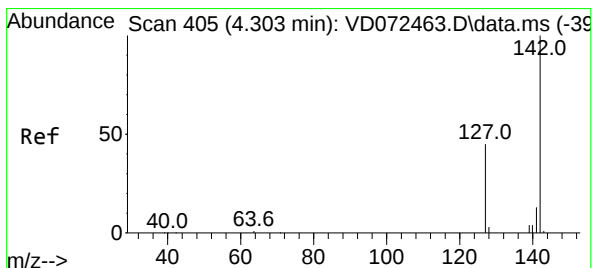
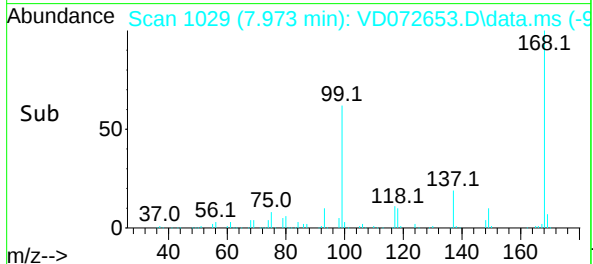
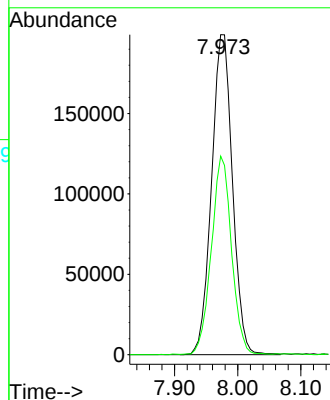
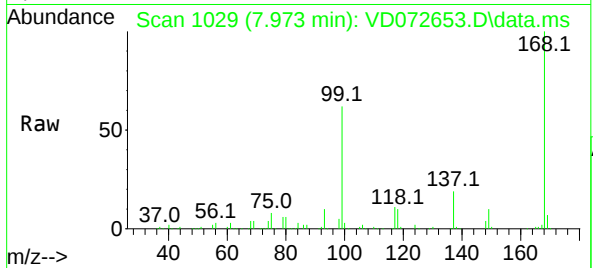




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

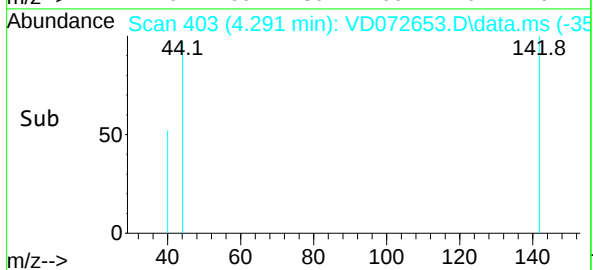
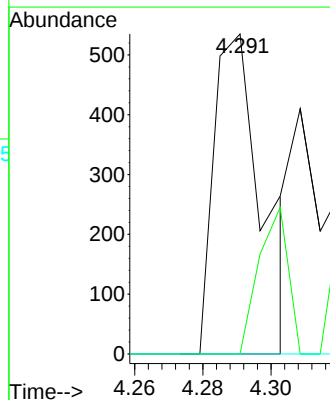
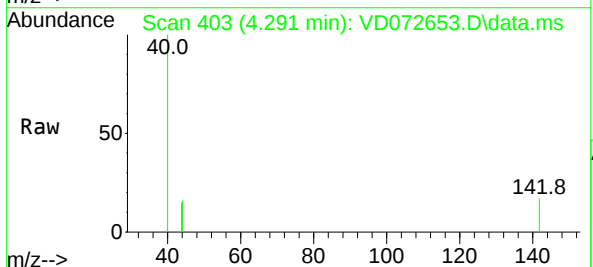
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-0-2MS

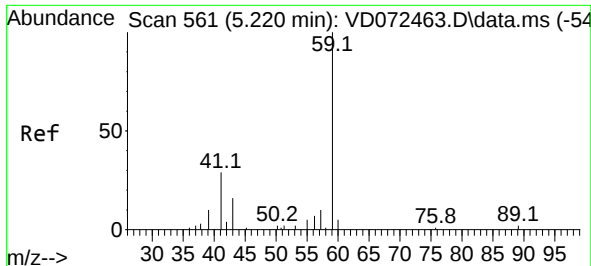
Tgt Ion:168 Resp: 456997
Ion Ratio Lower Upper
168 100
99 62.0 49.8 74.6



#10
Methyl Iodide
Concen: 3.831 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

Tgt Ion:142 Resp: 531
Ion Ratio Lower Upper
142 100
127 27.3 37.3 55.9#
141 0.0 11.7 17.5#

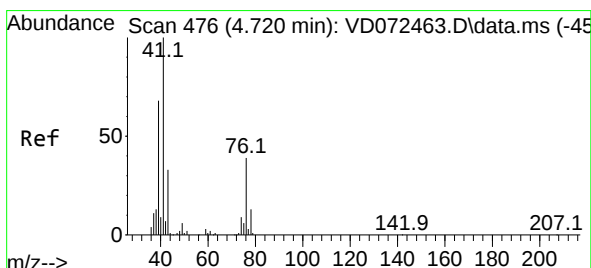
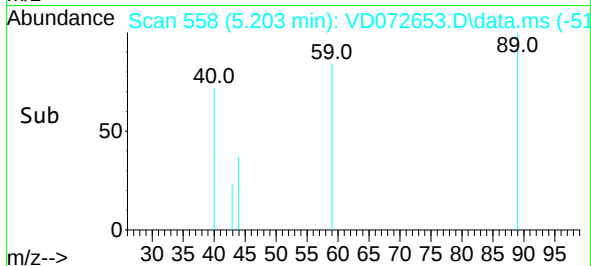
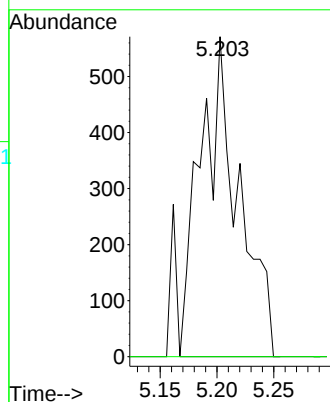
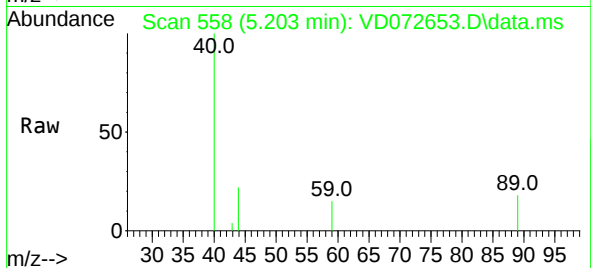




#11
Tert butyl alcohol
Concen: 4.569 ug/l
RT: 5.203 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

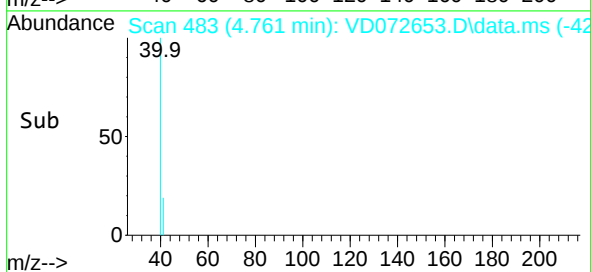
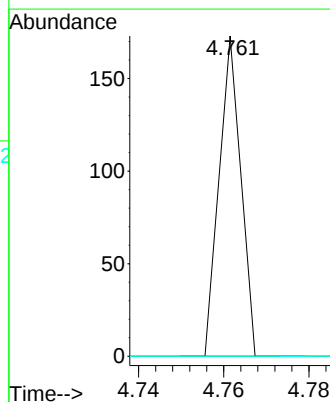
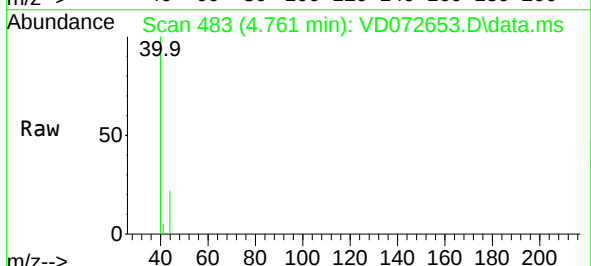
Instrument :
MSVOA_D
ClientSampleId :
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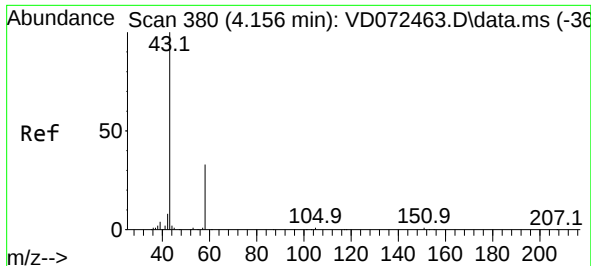
Tgt Ion: 59 Resp: 1334
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.135 ug/l
RT: 4.761 min Scan# 483
Delta R.T. 0.041 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

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#

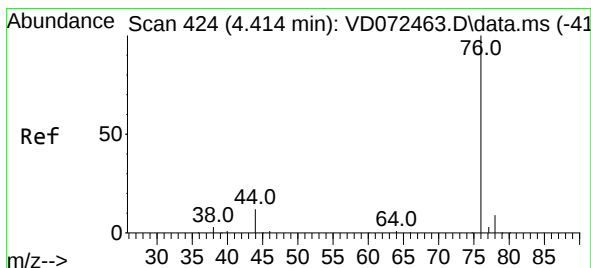
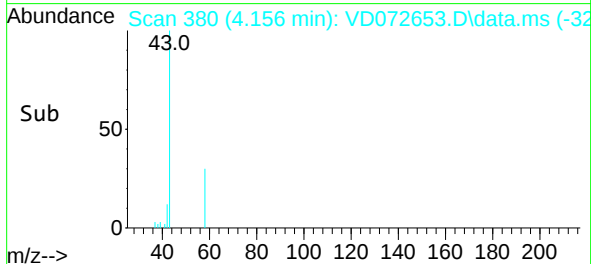
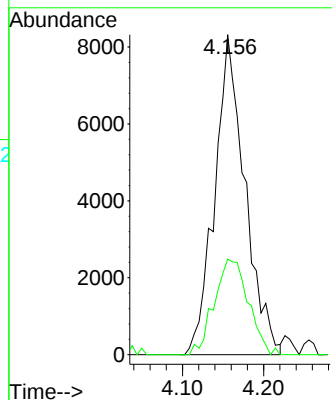
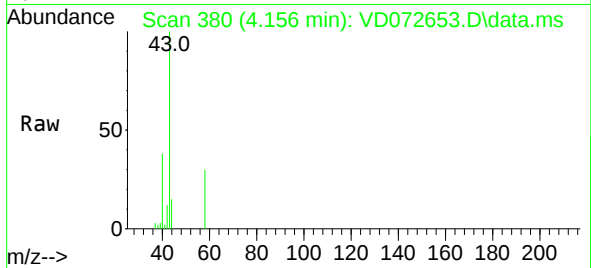




#16
Acetone
Concen: 20.927 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

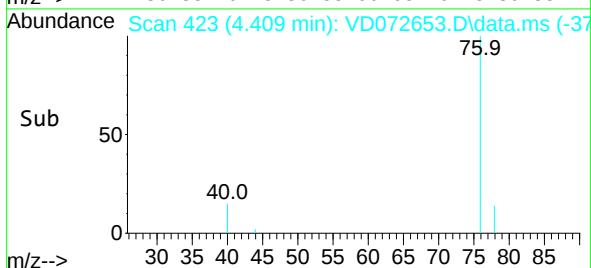
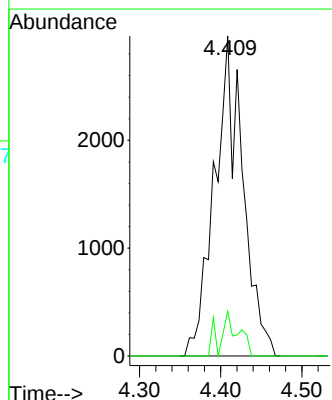
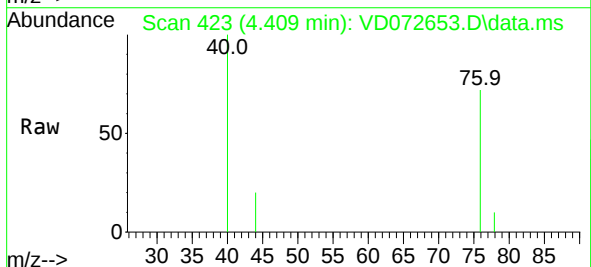
Instrument :
MSVOA_D
ClientSampleId :
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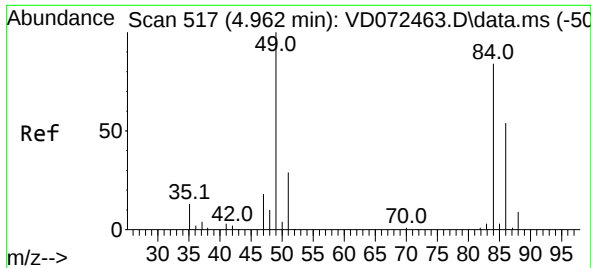
Tgt Ion: 43 Resp: 21572
Ion Ratio Lower Upper
43 100
58 29.9 22.1 33.1



#17
Carbon Disulfide
Concen: 4.377 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

Tgt Ion: 76 Resp: 7196
Ion Ratio Lower Upper
76 100
78 14.0 7.5 11.3#

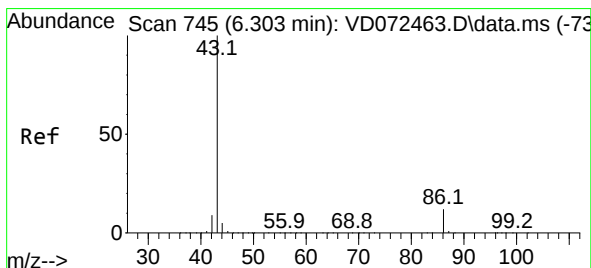
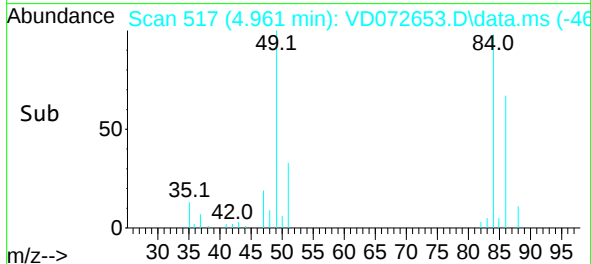
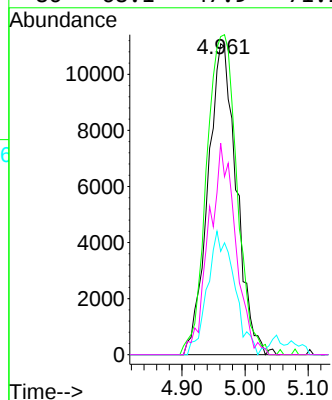
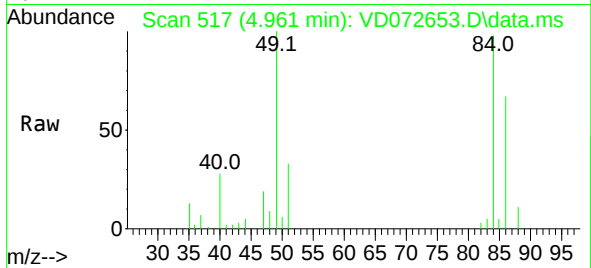




#20
Methylene Chloride
Concen: 5.663 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

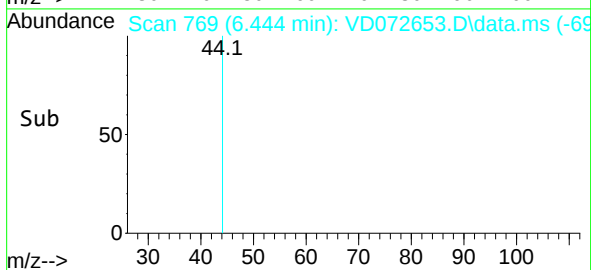
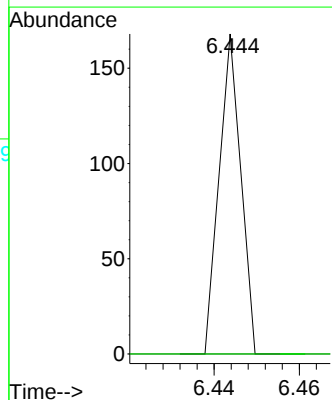
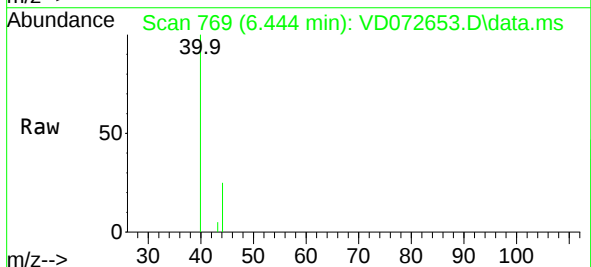
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-0-2MS

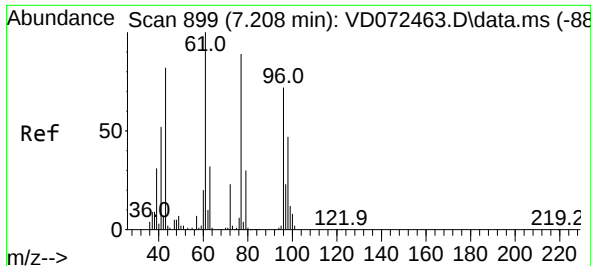
Tgt Ion:	84	Resp:	34756
Ion	Ratio	Lower	Upper
84	100		
49	102.3	112.8	169.2#
51	33.2	32.6	48.8
86	68.1	47.9	71.9



#23
Vinyl Acetate
Concen: 6.295 ug/l
RT: 6.444 min Scan# 769
Delta R.T. 0.141 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#25

2-Butanone

Concen: 2.975 ug/l

RT: 7.214 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD072653.D

Acq: 20 Apr 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

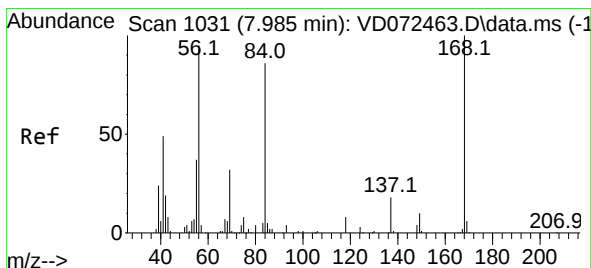
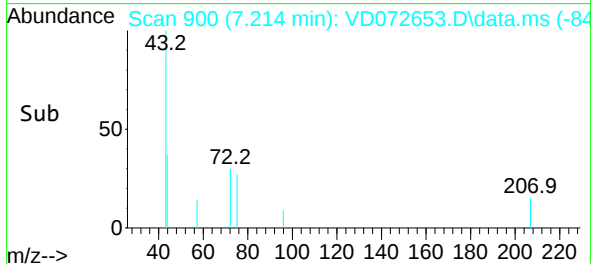
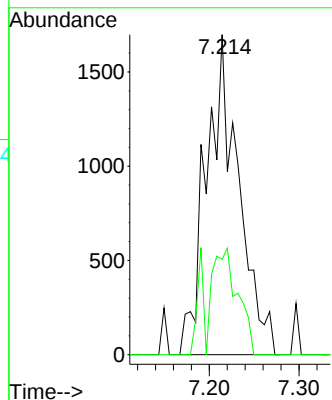
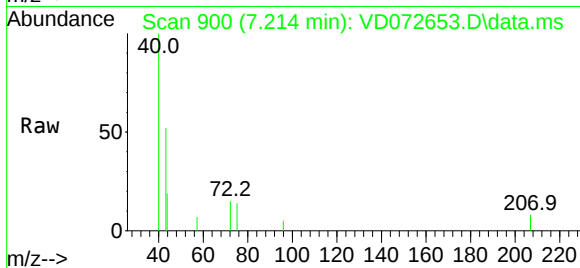
E14ST-EB4-041922-0-2MS

Tgt Ion: 43 Resp: 4242

Ion Ratio Lower Upper

43 100

72 29.8 18.6 27.8#



#31

Cyclohexane

Concen: 1.364 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072653.D

Acq: 20 Apr 2022 18:01

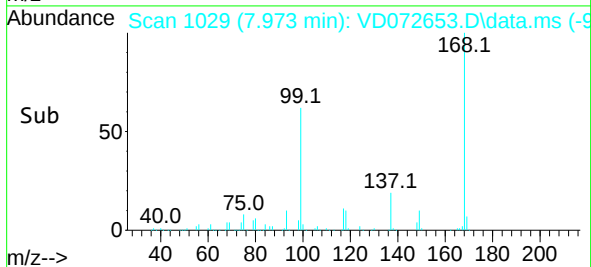
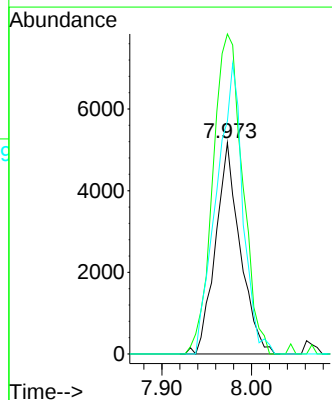
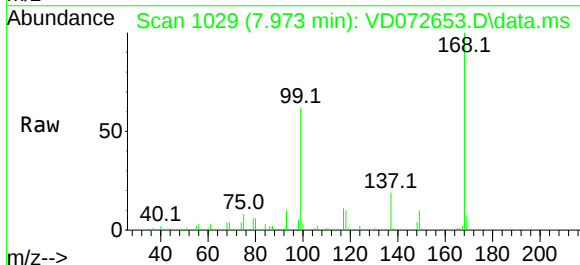
Tgt Ion: 56 Resp: 9861

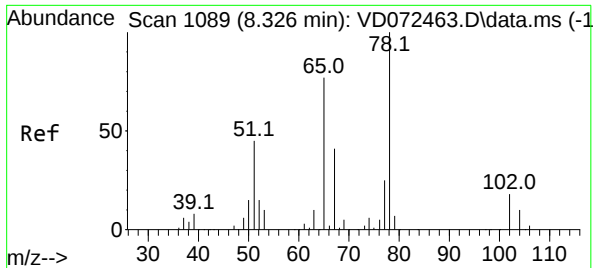
Ion Ratio Lower Upper

56 100

69 151.5 25.4 38.2#

84 110.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.923 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072653.D

Acq: 20 Apr 2022 18:01

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ClientSampleId :

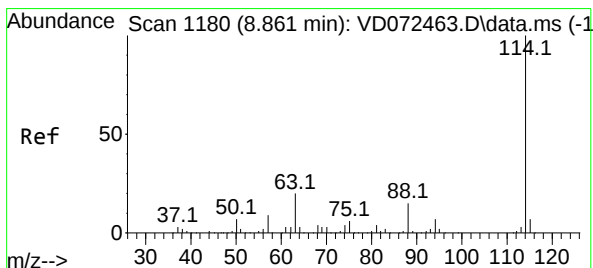
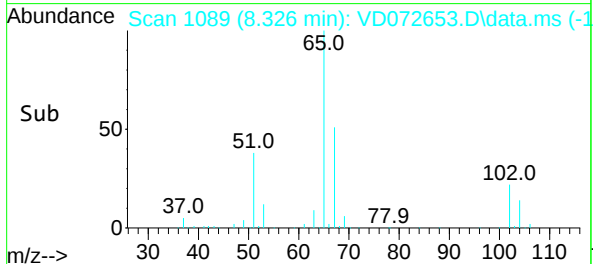
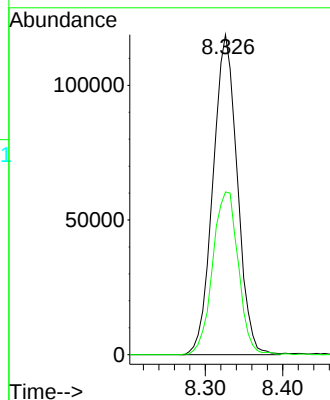
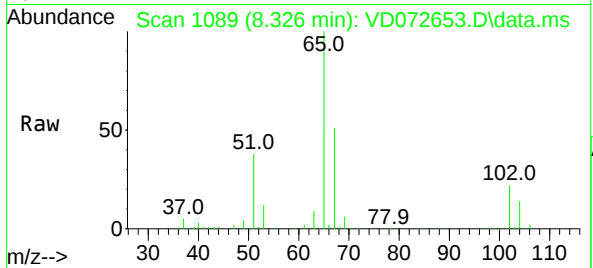
E14ST-EB4-041922-0-2MS

Tgt Ion: 65 Resp: 259401

Ion Ratio Lower Upper

65 100

67 53.6 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: VD072653.D

Acq: 20 Apr 2022 18:01

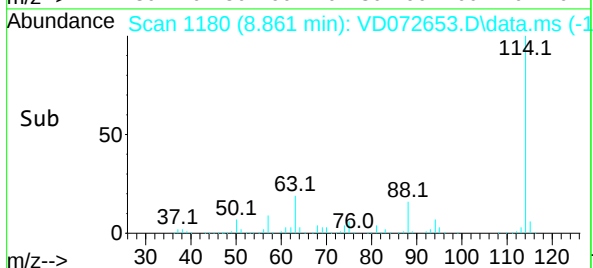
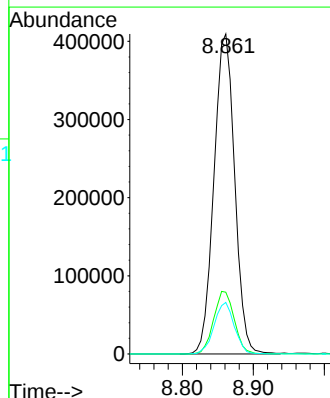
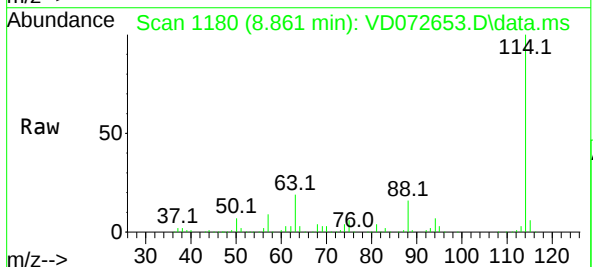
Tgt Ion: 114 Resp: 828819

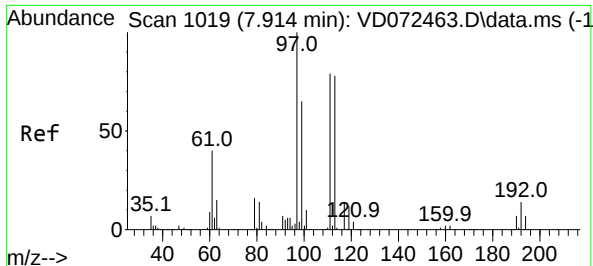
Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 16.1 0.0 33.2

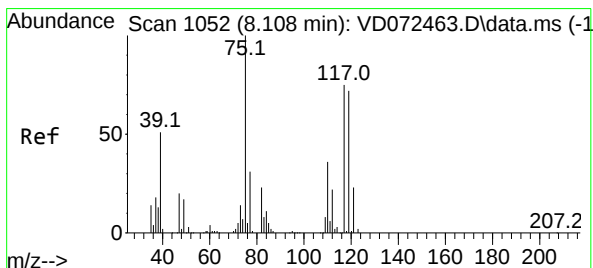
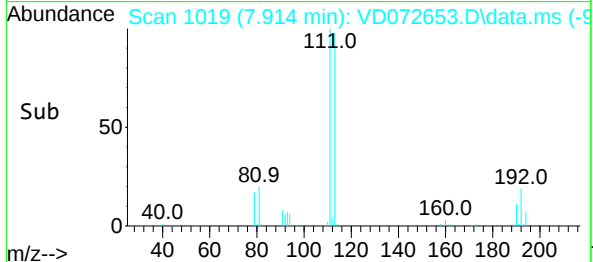
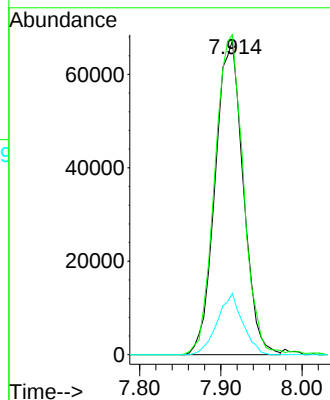
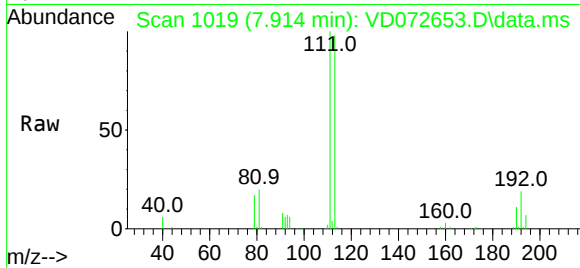




#35
Dibromofluoromethane
Concen: 24.997 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

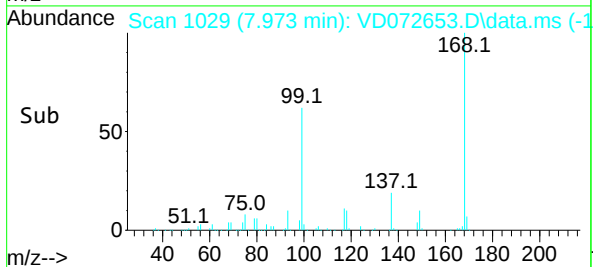
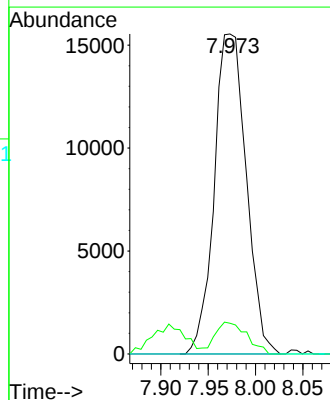
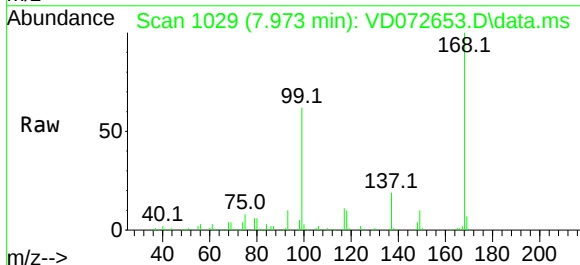
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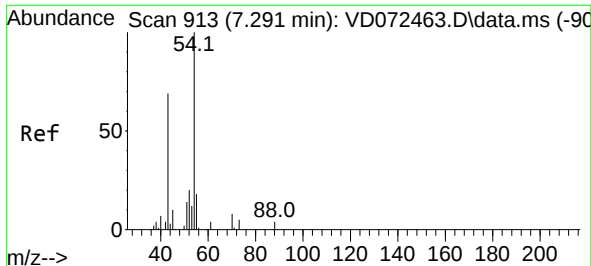
Tgt Ion:113 Resp: 161006
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.6
192 17.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.461 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

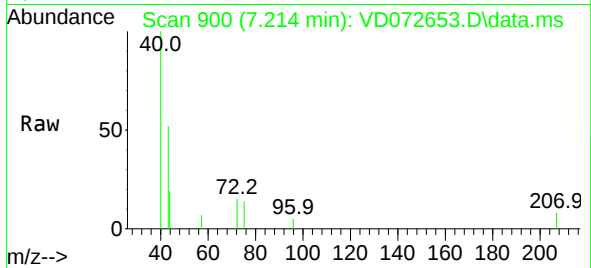
Tgt Ion: 75 Resp: 36522
Ion Ratio Lower Upper
75 100
110 9.8 16.4 49.1#
77 0.0 24.2 36.2#



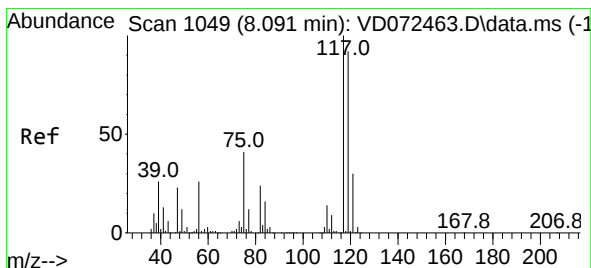
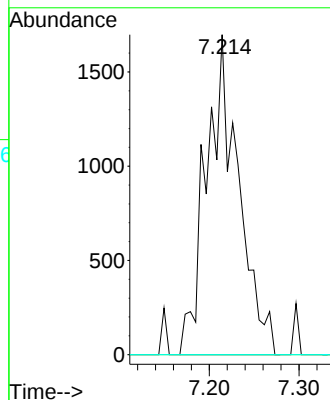
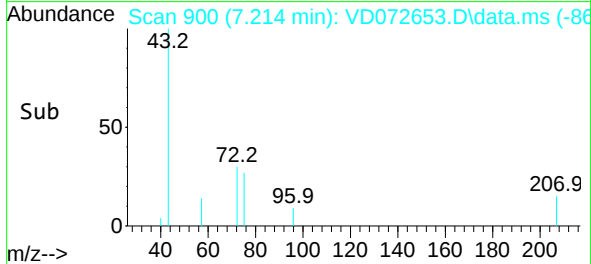


#37
Ethyl Acetate
Concen: 1.243 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

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

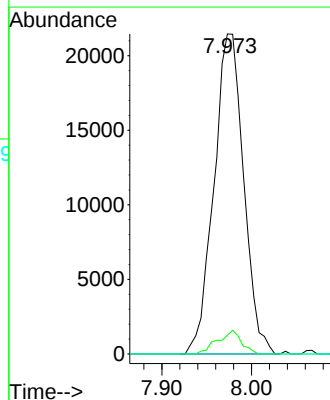
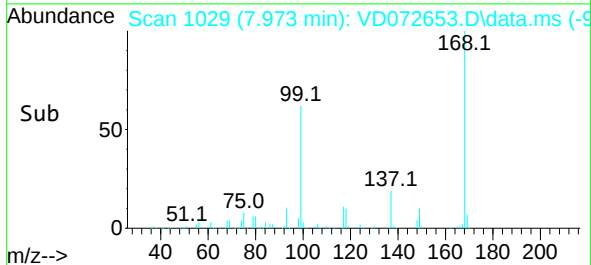
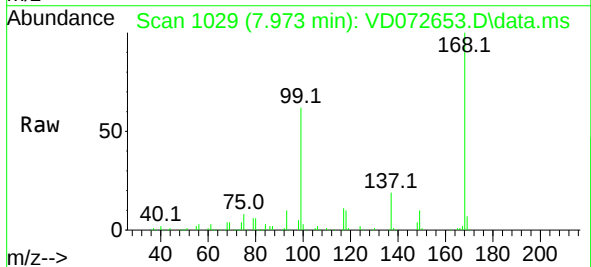


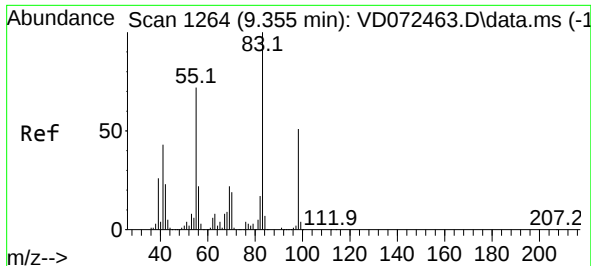
Tgt Ion: 43 Resp: 4242
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.563 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

Tgt Ion: 117 Resp: 49361
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.978 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.011 min

Lab File: VD072653.D

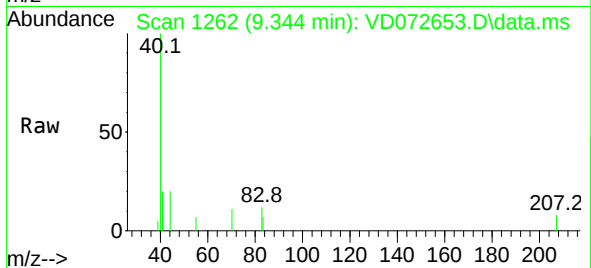
Acq: 20 Apr 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

E14ST-EB4-041922-0-2MS



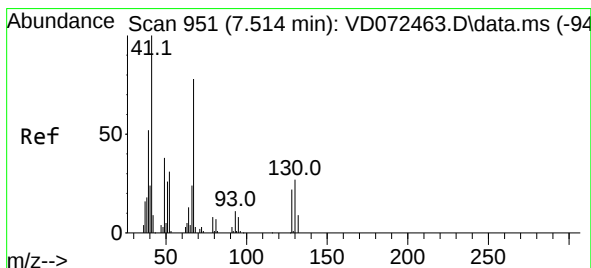
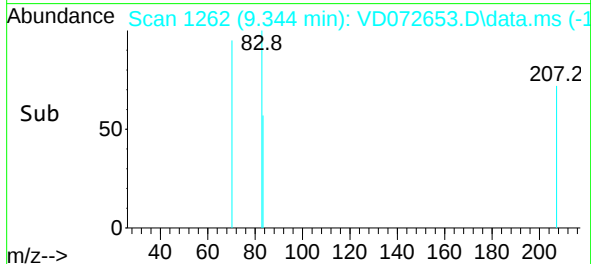
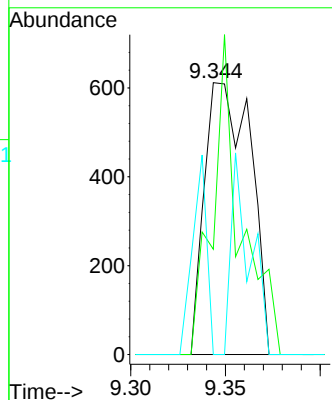
Tgt Ion: 83 Resp: 1031

Ion Ratio Lower Upper

83 100

55 38.7 63.2 94.8#

98 0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.706 ug/l

RT: 7.579 min Scan# 962

Delta R.T. 0.065 min

Lab File: VD072653.D

Acq: 20 Apr 2022 18:01

Tgt Ion: 41 Resp: 98

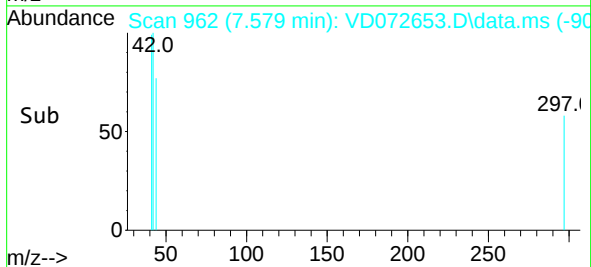
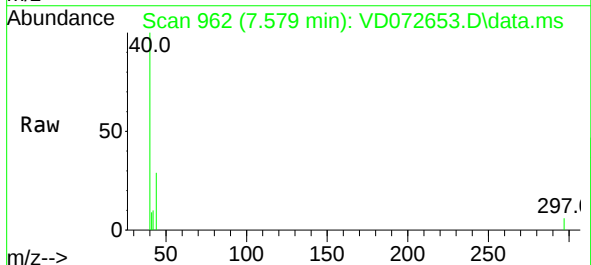
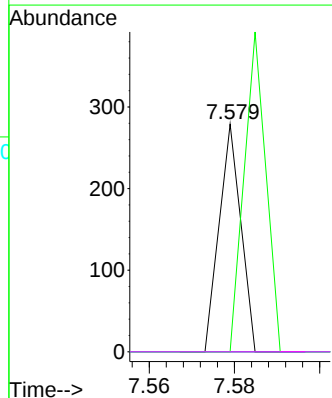
Ion Ratio Lower Upper

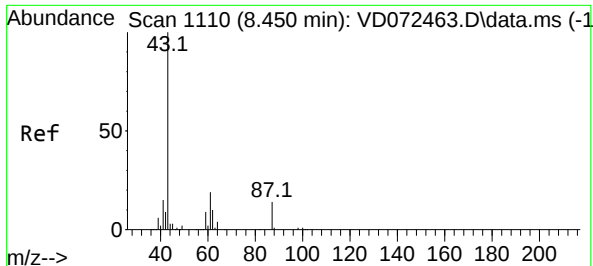
41 100

39 140.8 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 2.383 ug/l

RT: 8.302 min Scan# 1085

Delta R.T. -0.147 min

Lab File: VD072653.D

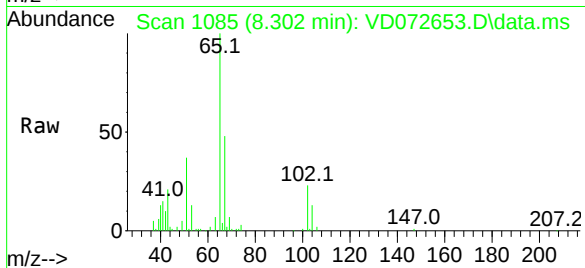
Acq: 20 Apr 2022 18:01

Instrument :

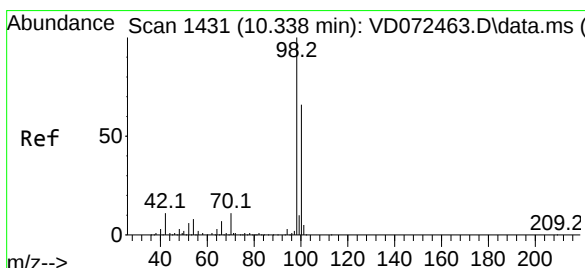
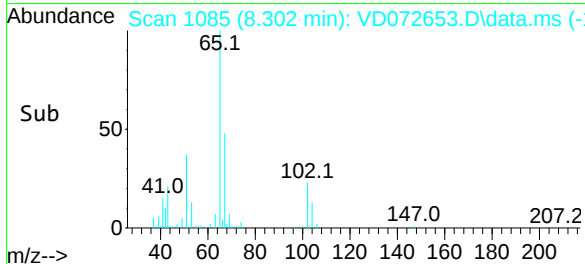
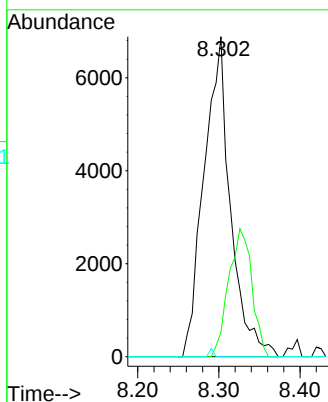
MSVOA_D

ClientSampleId :

E14ST-EB4-041922-0-2MS



Tgt Ion: 43	Resp: 15599
Ion Ratio	Lower Upper
43	100
61	0.0 22.4 33.6#
87	0.4 8.7 13.1#



#50

Toluene-d8

Concen: 44.544 ug/l

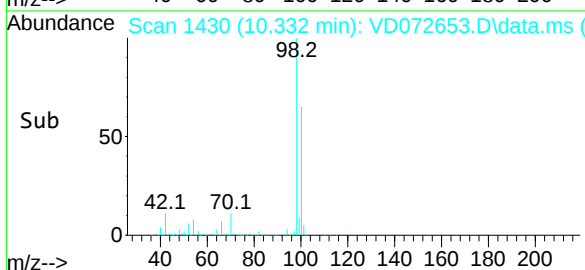
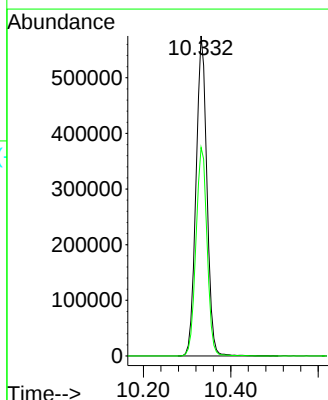
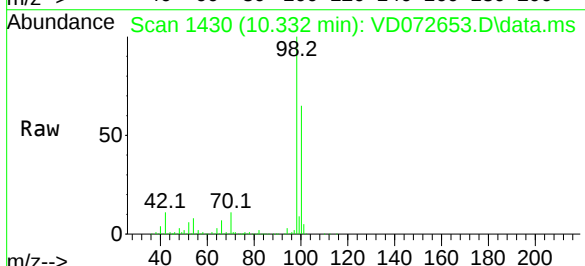
RT: 10.332 min Scan# 1430

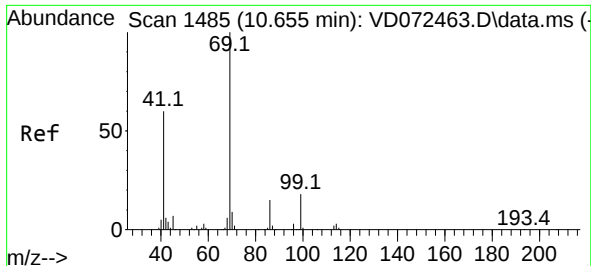
Delta R.T. -0.006 min

Lab File: VD072653.D

Acq: 20 Apr 2022 18:01

Tgt Ion: 98	Resp: 997327
Ion Ratio	Lower Upper
98	100
100	66.3 52.4 78.6

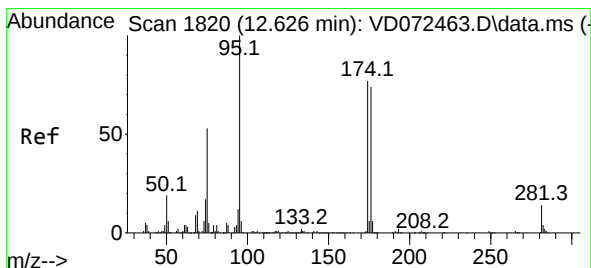
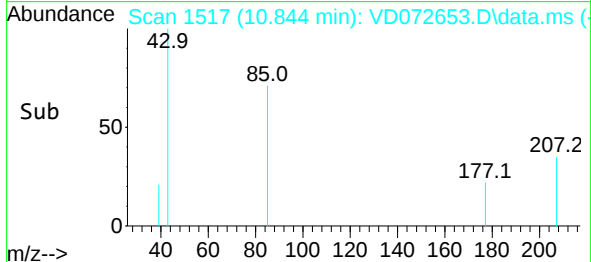
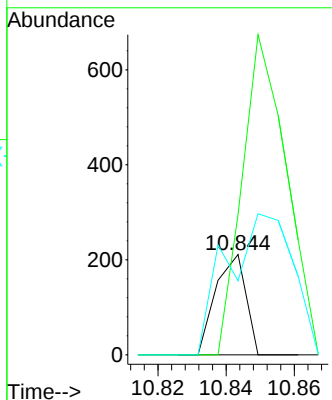
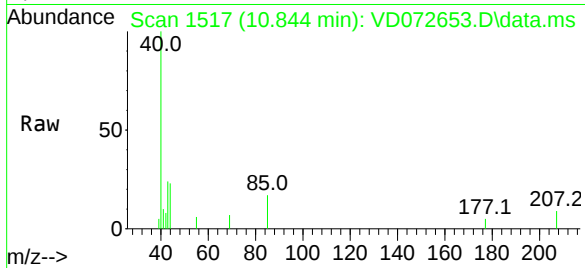




#56
Ethyl methacrylate
Concen: 1.212 ug/l
RT: 10.844 min Scan# 11
Delta R.T. 0.189 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

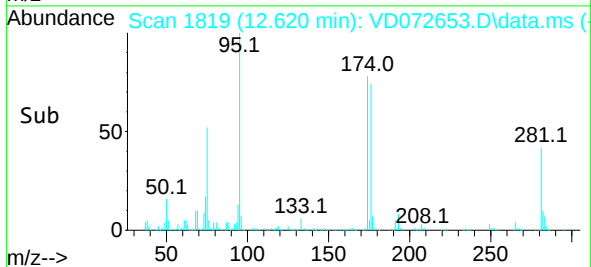
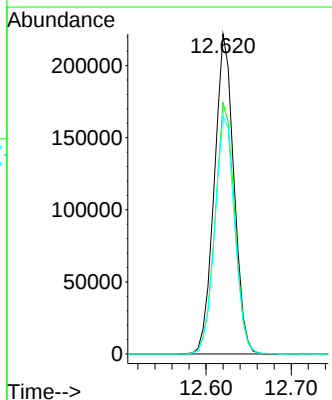
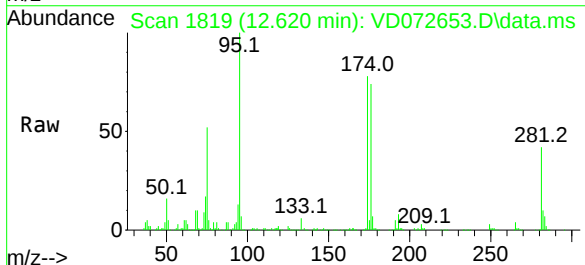
Instrument :
MSVOA_D
ClientSampleId :
E14ST-EB4-041922-0-2MS

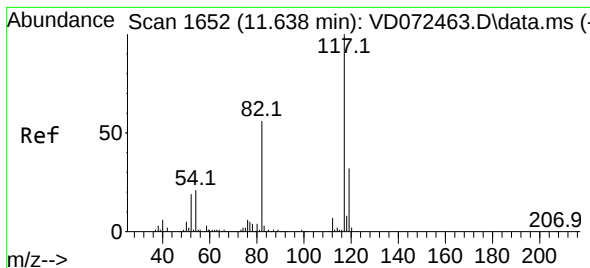
Tgt Ion: 69 Resp: 130
Ion Ratio Lower Upper
69 100
41 465.4 63.0 94.6#
39 306.9 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 40.493 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

Tgt Ion: 95 Resp: 354079
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 75.6 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072653.D

Acq: 20 Apr 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

E14ST-EB4-041922-0-2MS

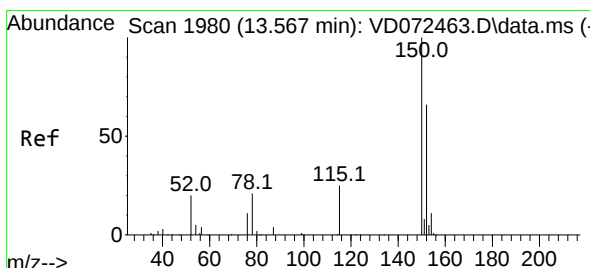
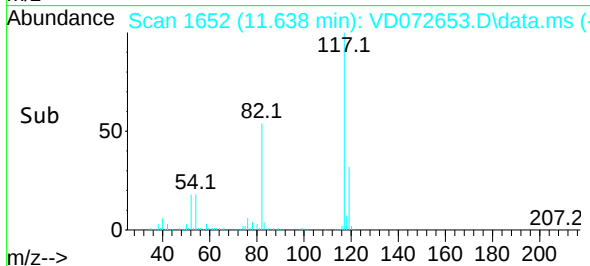
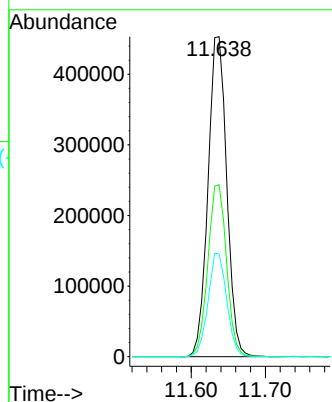
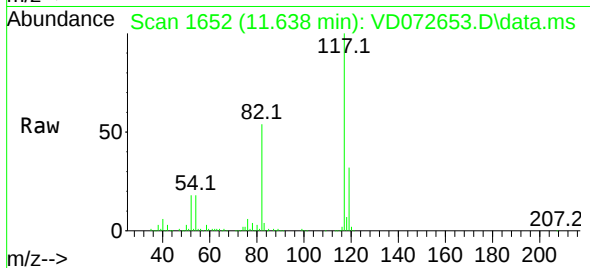
Tgt Ion:117 Resp: 795827

Ion Ratio Lower Upper

117 100

82 53.8 45.3 67.9

119 32.0 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: VD072653.D

Acq: 20 Apr 2022 18:01

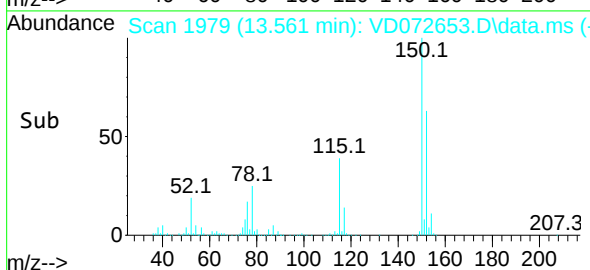
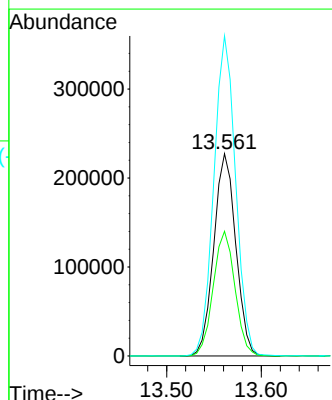
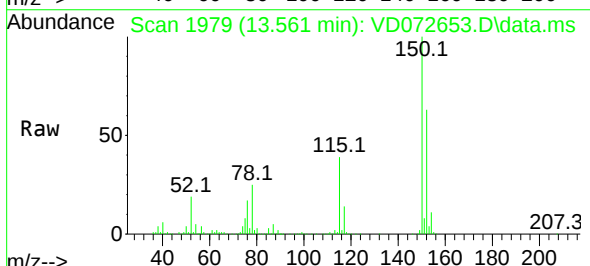
Tgt Ion:152 Resp: 367024

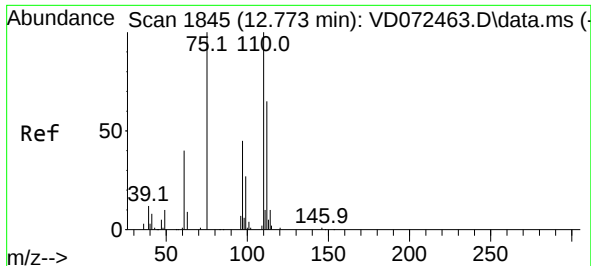
Ion Ratio Lower Upper

152 100

115 60.9 31.3 93.8

150 156.7 0.0 348.6

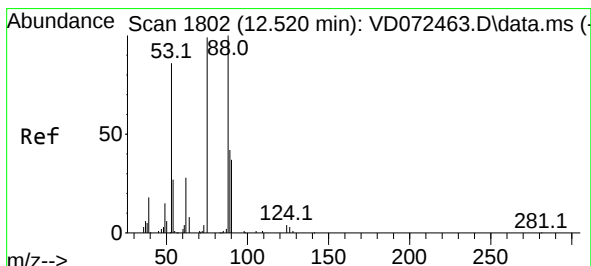
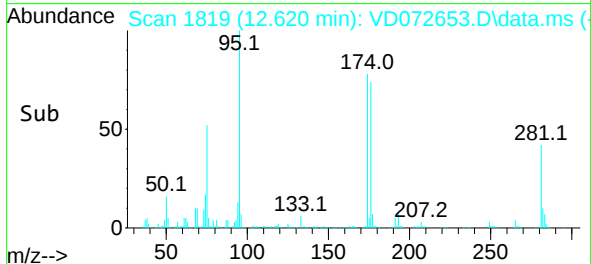
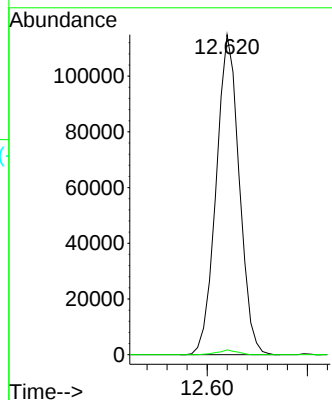
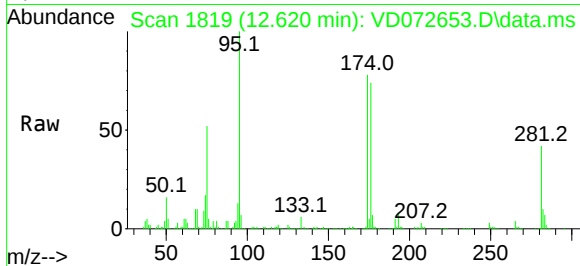




#76
1,2,3-Trichloropropane
Concen: 45.764 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

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

Tgt Ion: 75 Resp: 183192
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.296 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072653.D
Acq: 20 Apr 2022 18:01

Tgt Ion: 75 Resp: 183192
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.7 33.9 50.9#

