

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022465.D
 Acq On : 05 Jun 2021 12:36
 Operator : JC/MD
 Sample : M2580-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

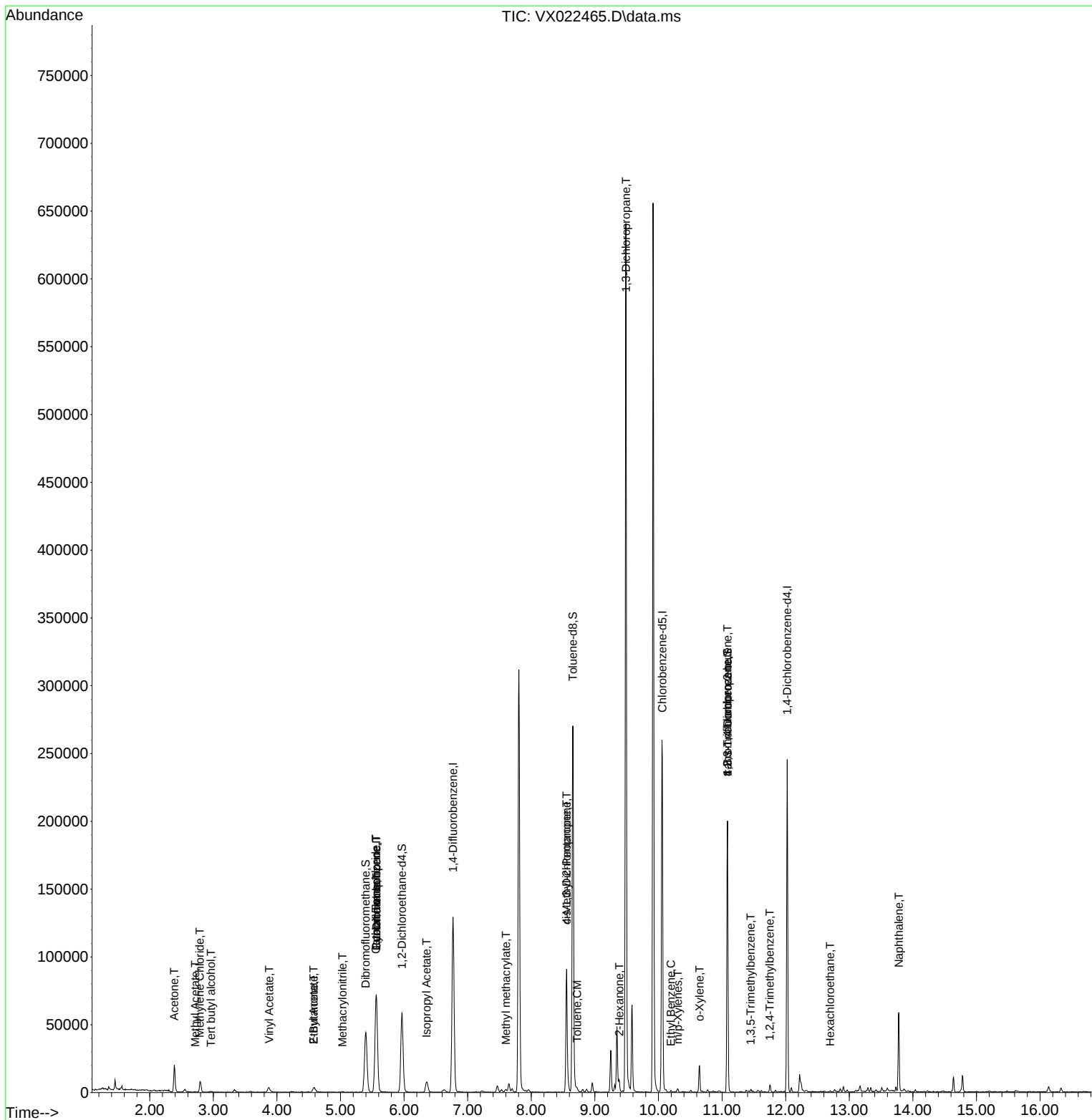
Quant Time: Jun 07 03:22:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	61205	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	125828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	111691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52059	55.140	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.280%			
35) Dibromofluoromethane	5.397	113	38244	47.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.860%			
50) Toluene-d8	8.653	98	156262	50.837	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.085	95	54516	47.984	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.960%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.965	59	462	2.139	ug/l	# 73
16) Acetone	2.386	43	19373	47.125	ug/l	94
18) Methyl Acetate	2.715	43	383	0.350	ug/l	# 47
20) Methylene Chloride	2.788	84	3455	3.785	ug/l	95
23) Vinyl Acetate	3.879	43	598	0.250	ug/l	# 68
25) 2-Butanone	4.574	43	4505	6.774	ug/l	# 78
31) Cyclohexane	5.562	56	2078	1.751	ug/l	# 29
36) 1,1-Dichloropropene	5.562	75	5969	5.130	ug/l	# 48
37) Ethyl Acetate	4.574	43	4505	3.159	ug/l	# 64
38) Carbon Tetrachloride	5.556	117	7214	6.338	ug/l	# 14
41) Methacrylonitrile	5.031	41	188	0.246	ug/l	# 1
43) Isopropyl Acetate	6.354	43	9618	4.123	ug/l	# 86
48) Methyl methacrylate	7.604	41	2943	2.737	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	32898	23.541	ug/l	# 41
52) Toluene	8.720	92	458	0.202	ug/l	81
54) cis-1,3-Dichloropropene	8.555	75	14840	9.645	ug/l	# 63
57) 1,3-Dichloropropane	9.488	76	5608	3.569	ug/l	# 42
59) 2-Hexanone	9.384	43	5387	5.125	ug/l	# 19
67) Ethyl Benzene	10.195	91	865	0.202	ug/l	# 63
68) m/p-Xylenes	10.305	106	680	0.421	ug/l	98
69) o-Xylene	10.646	106	665	0.423	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	28450	26.463	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	1056	0.345	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	28450	62.699	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.750	105	2487	0.808	ug/l	98
90) Hexachloroethane	12.701	117	520	1.000	ug/l	# 9
95) Naphthalene	13.780	128	33759	9.905	ug/l	99

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

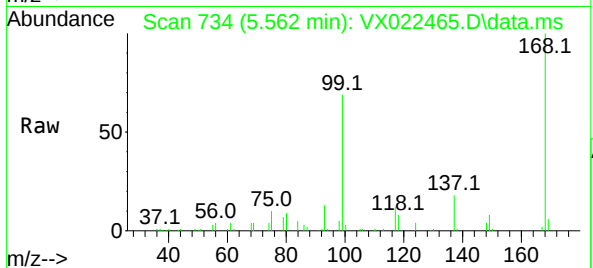
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



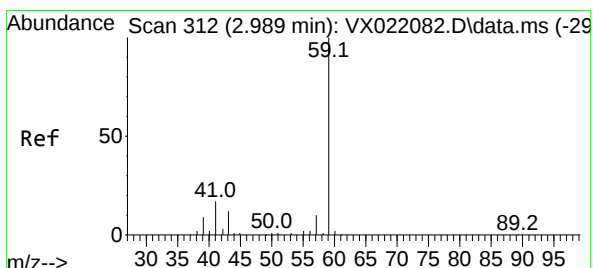
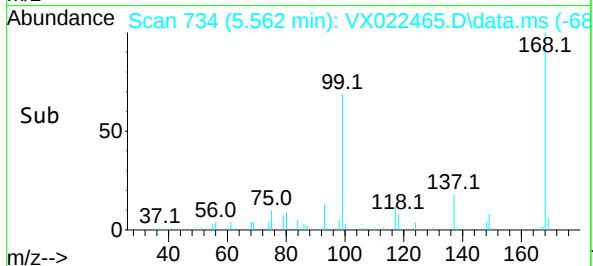
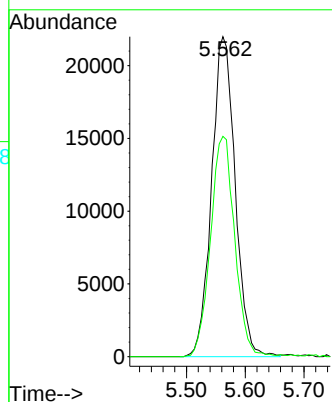


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Instrument :
MSVOA_X
ClientSampled :

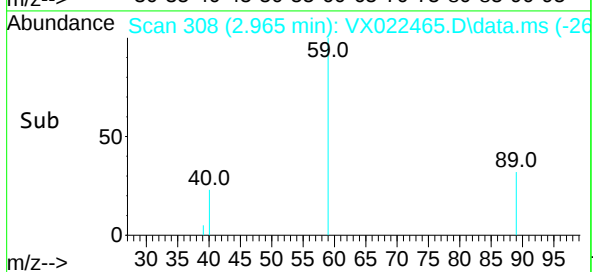
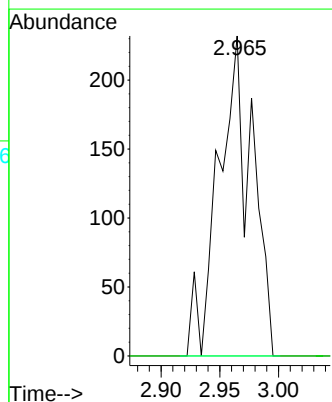
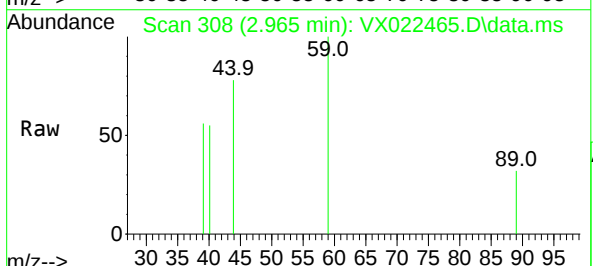


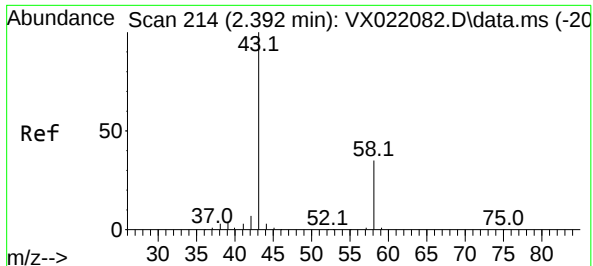
Tgt Ion:168 Resp: 61205
Ion Ratio Lower Upper
168 100
99 68.8 45.8 68.6#



#11
Tert butyl alcohol
Concen: 2.139 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 59 Resp: 462
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

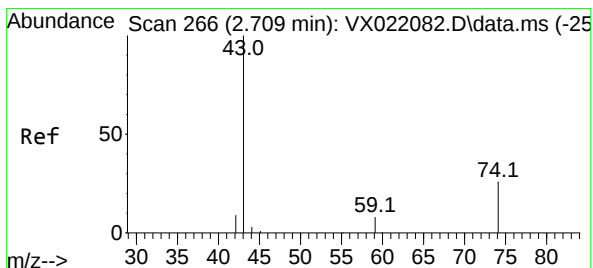
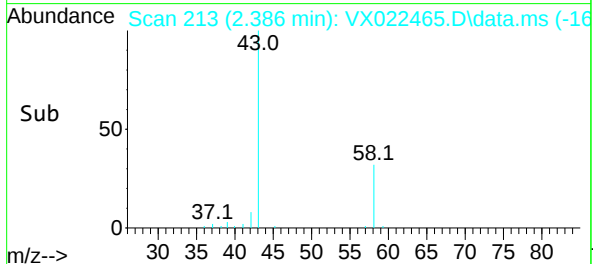
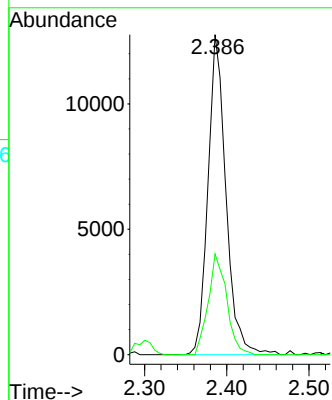
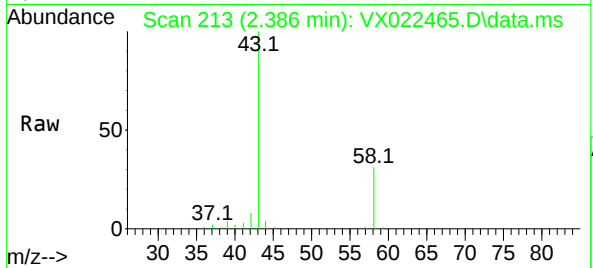




#16
Acetone
Concen: 47.125 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

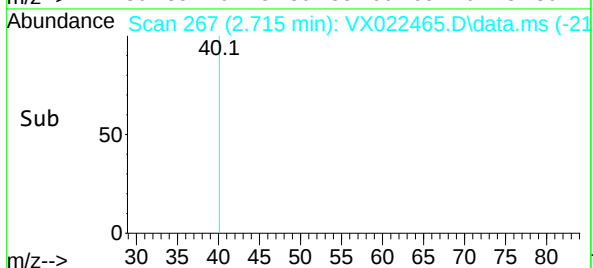
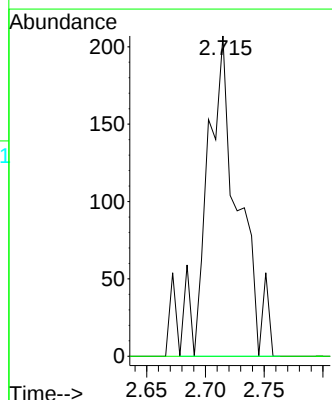
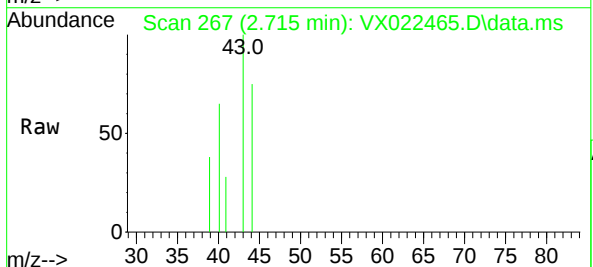
Instrument :
MSVOA_X
ClientSampled :

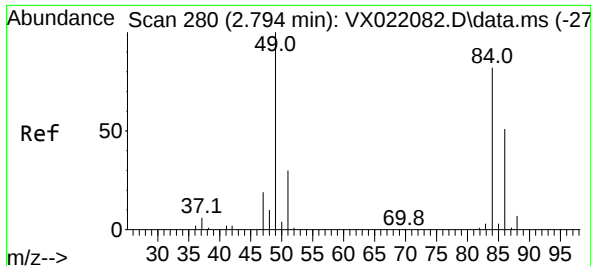
Tgt Ion: 43 Resp: 19373
Ion Ratio Lower Upper
43 100
58 31.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 3.785 ug/l

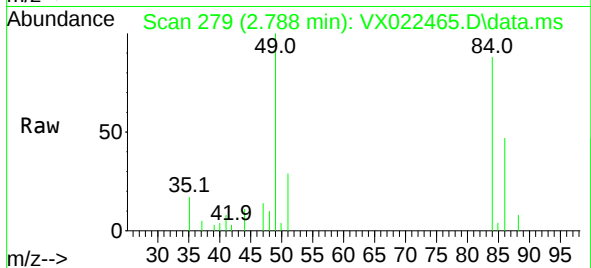
RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX022465.D

Acq: 05 Jun 2021 12:36

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 3455

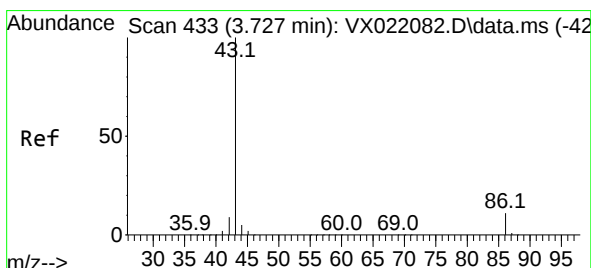
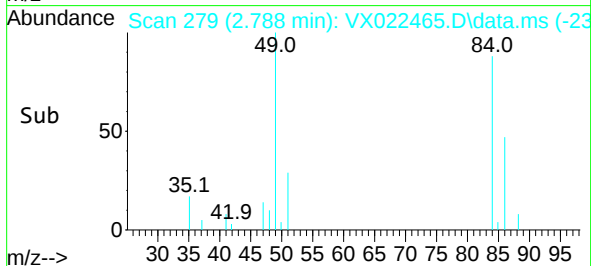
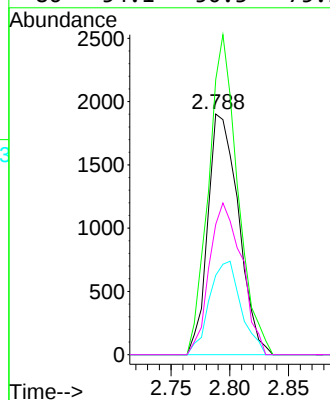
Ion Ratio Lower Upper

84 100

49 114.2 88.6 132.8

51 33.0 27.0 40.6

86 54.1 50.3 75.5



#23

Vinyl Acetate

Concen: 0.250 ug/l

RT: 3.879 min Scan# 458

Delta R.T. 0.152 min

Lab File: VX022465.D

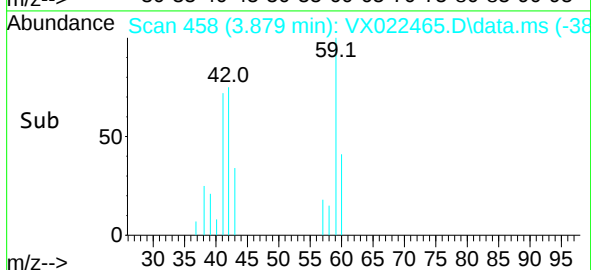
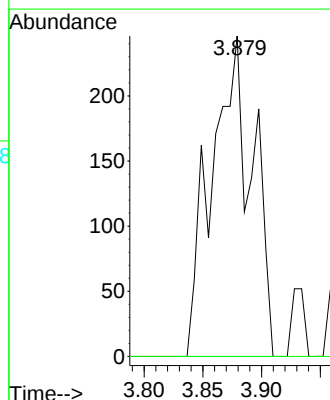
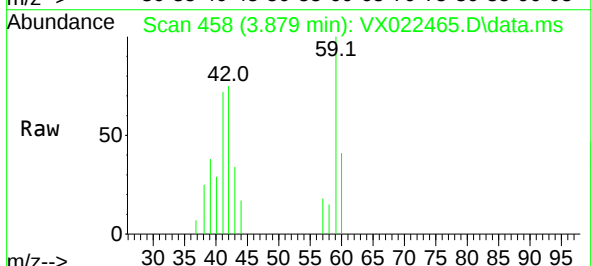
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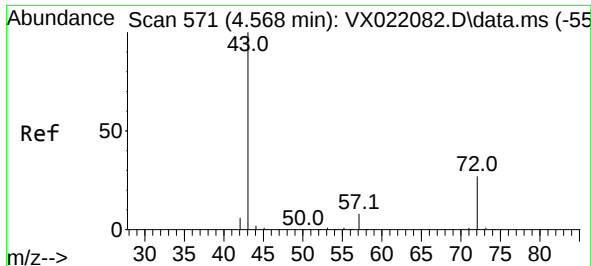
Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

86 0.0 9.9 14.9#

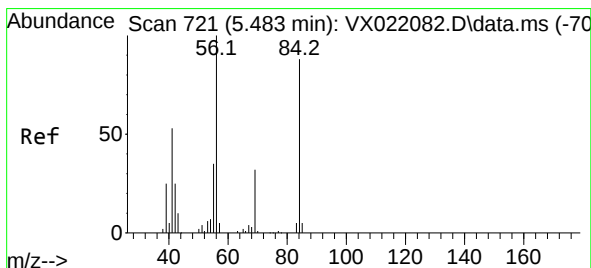
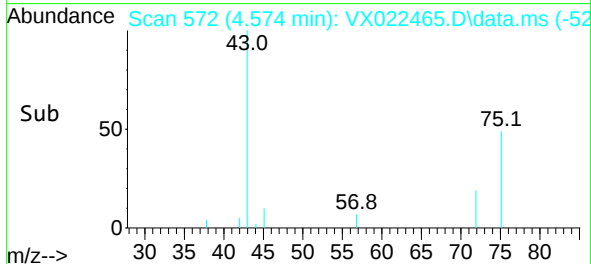
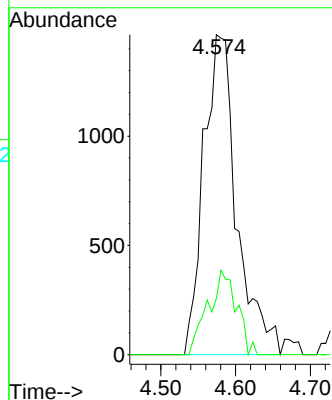
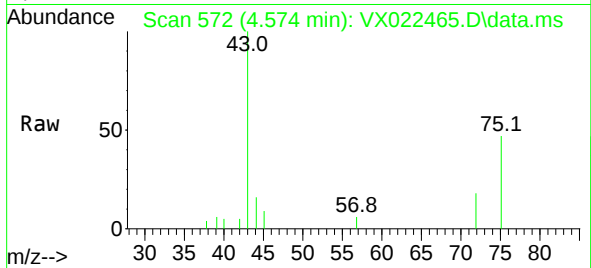




#25
2-Butanone
Concen: 6.774 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

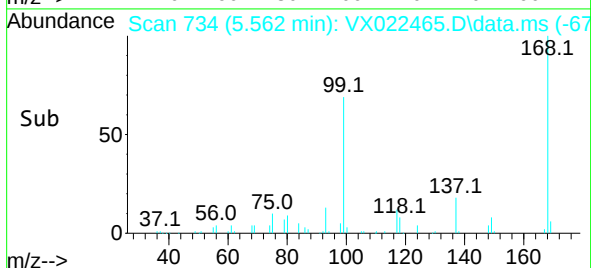
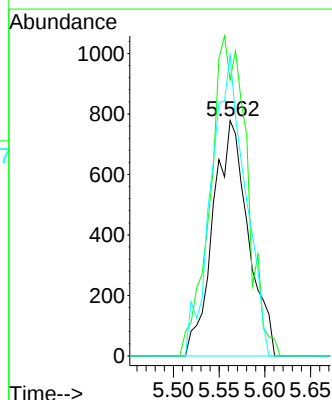
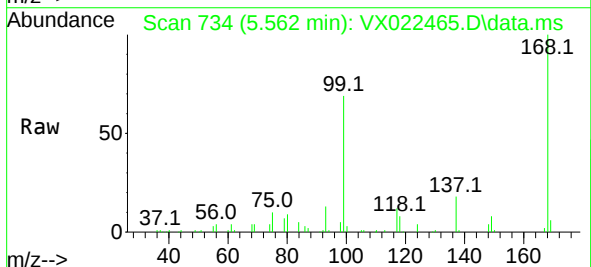
Instrument :
MSVOA_X
ClientSampled :

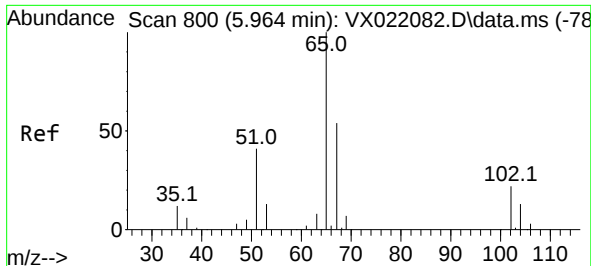
Tgt Ion: 43 Resp: 4505
Ion Ratio Lower Upper
43 100
72 17.5 23.7 35.5#



#31
Cyclohexane
Concen: 1.751 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 56 Resp: 2078
Ion Ratio Lower Upper
56 100
69 117.4 25.3 37.9#
84 127.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 55.140 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022465.D

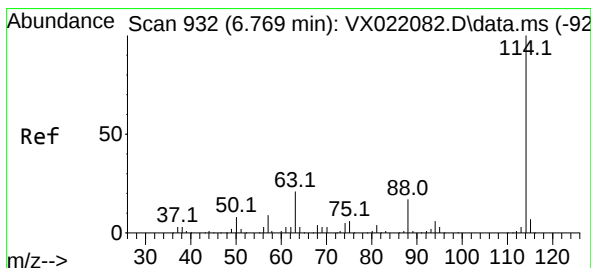
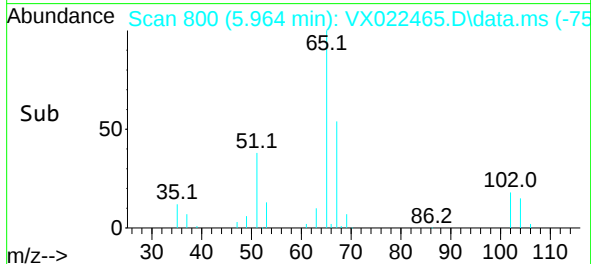
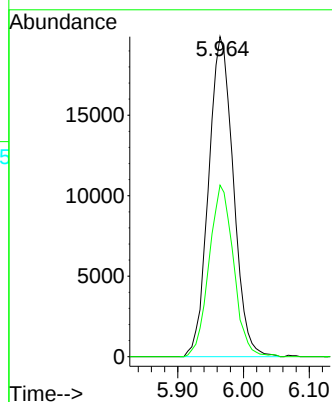
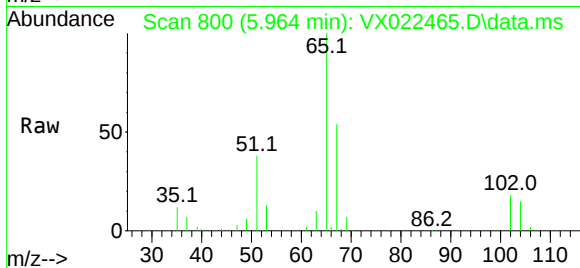
Acq: 05 Jun 2021 12:36

Tgt Ion: 65 Resp: 52059

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX022465.D

Acq: 05 Jun 2021 12:36

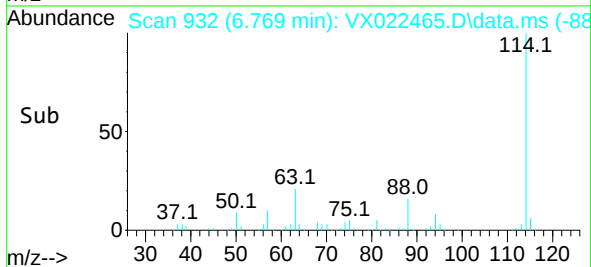
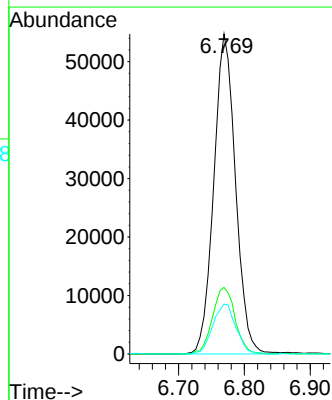
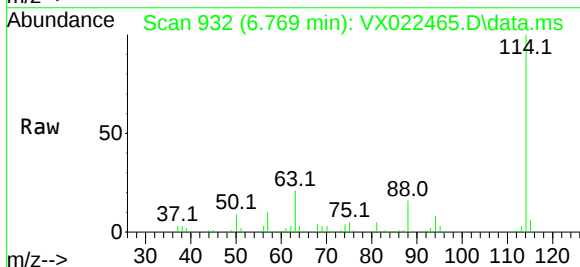
Tgt Ion: 114 Resp: 125828

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.928 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022465.D

Acq: 05 Jun 2021 12:36

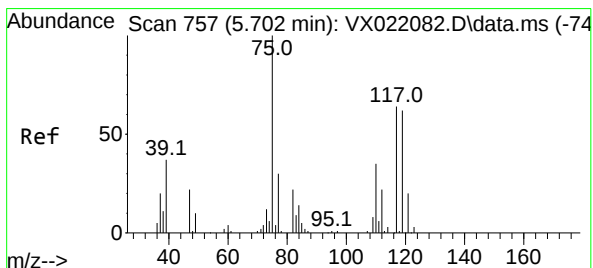
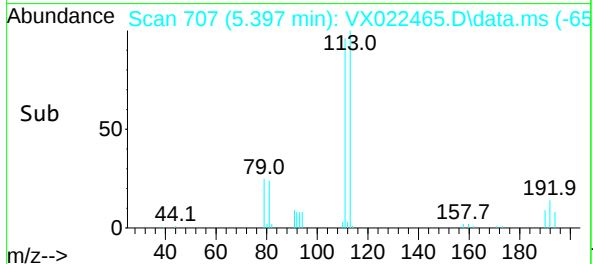
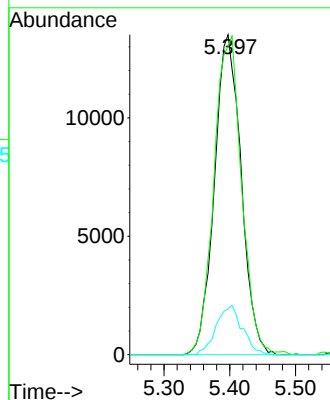
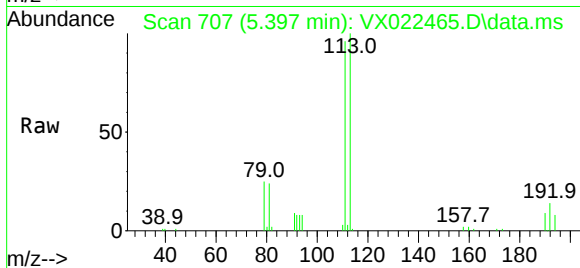
Tgt Ion:113 Resp: 38244

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 15.1 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022465.D

Acq: 05 Jun 2021 12:36

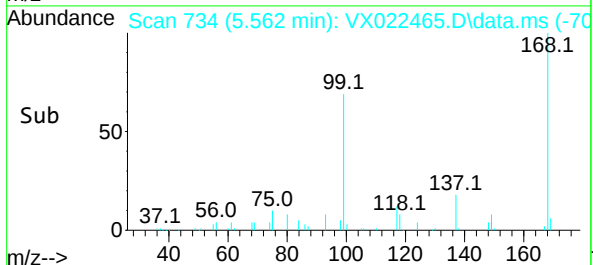
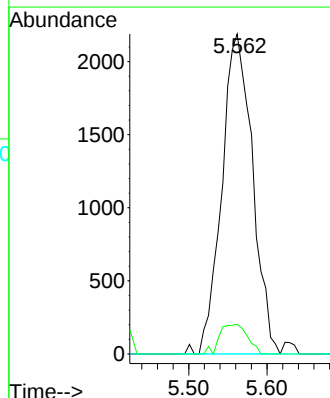
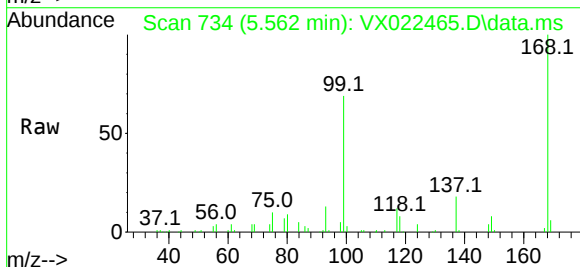
Tgt Ion: 75 Resp: 5969

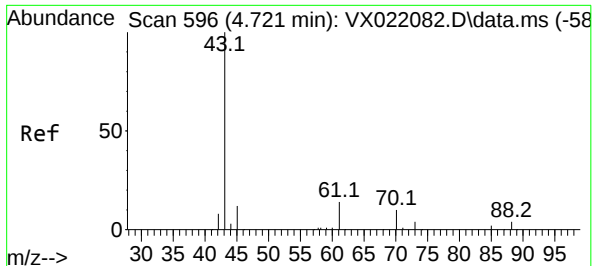
Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.159 ug/l

RT: 4.574 min Scan# 572

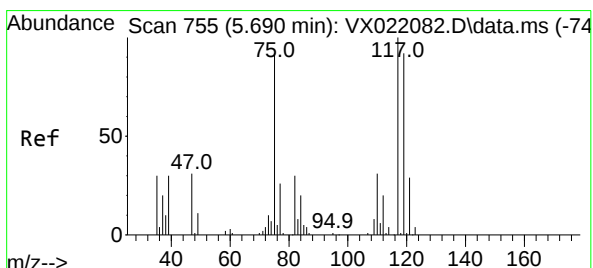
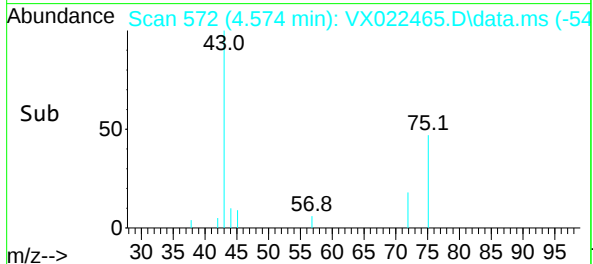
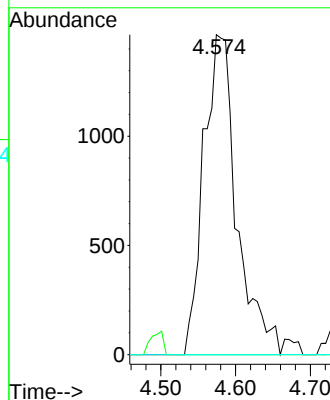
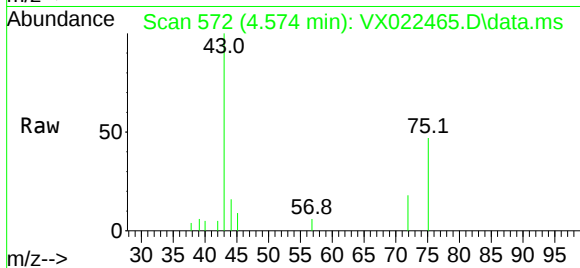
Delta R.T. -0.147 min

Lab File: VX022465.D

Acq: 05 Jun 2021 12:36

Tgt Ion:	43	Resp:	4505
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.338 ug/l

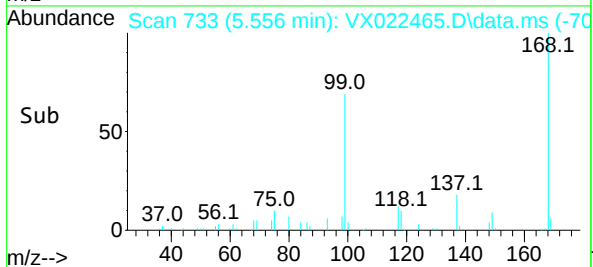
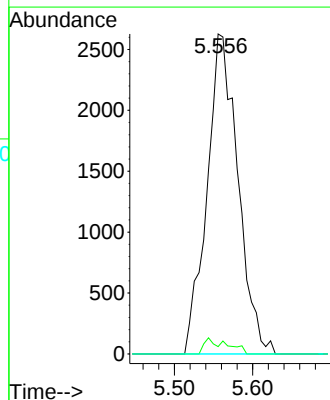
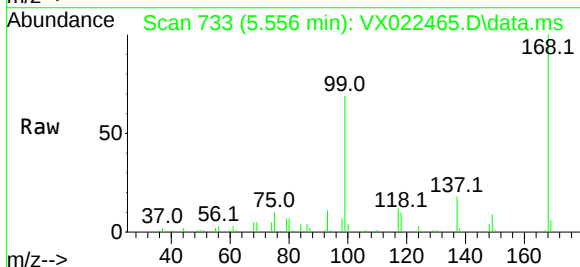
RT: 5.556 min Scan# 733

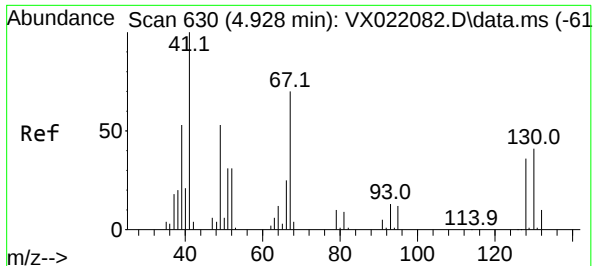
Delta R.T. -0.134 min

Lab File: VX022465.D

Acq: 05 Jun 2021 12:36

Tgt Ion:	117	Resp:	7214
Ion	Ratio	Lower	Upper
117	100		
119	2.3	76.2	114.2#
121	0.0	24.8	37.2#

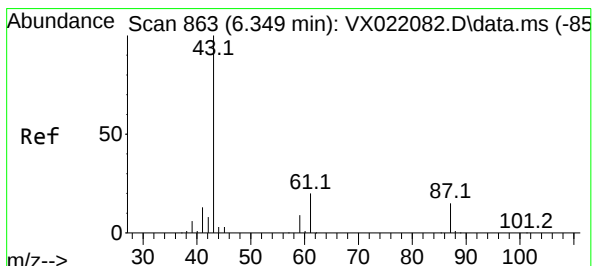
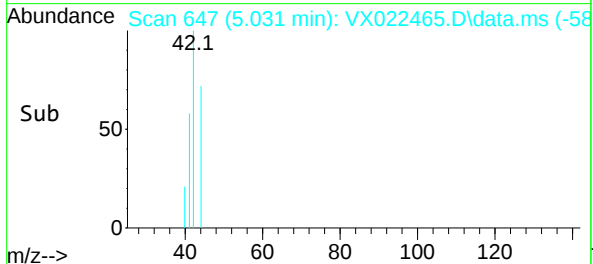
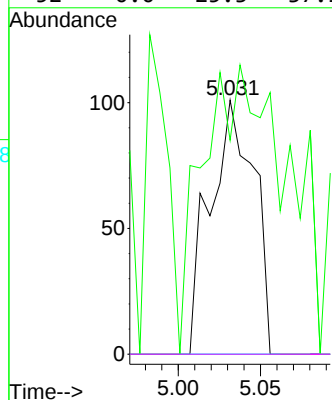
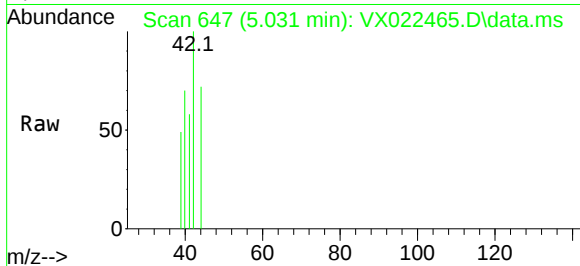




#41
Methacrylonitrile
Concen: 0.246 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

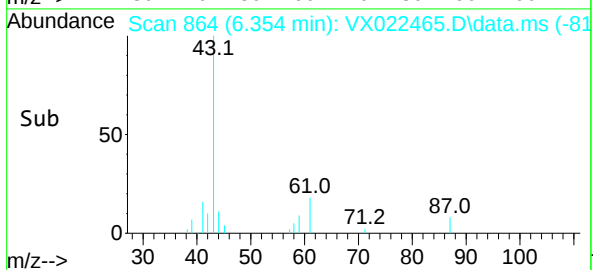
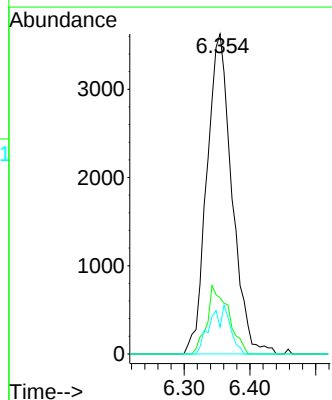
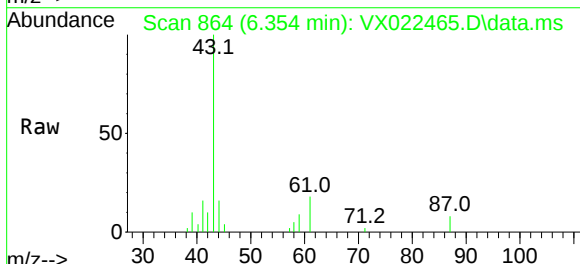
Instrument :
MSVOA_X
ClientSampled :

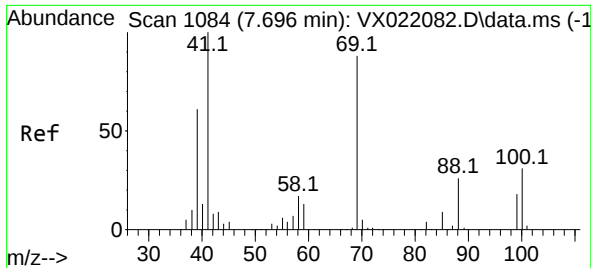
Tgt Ion:	41	Resp:	188
Ion	Ratio	Lower	Upper
41	100		
39	217.0	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.123 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion:	43	Resp:	9618
Ion	Ratio	Lower	Upper
43	100		
61	18.4	18.2	27.4
87	6.9	12.5	18.7#

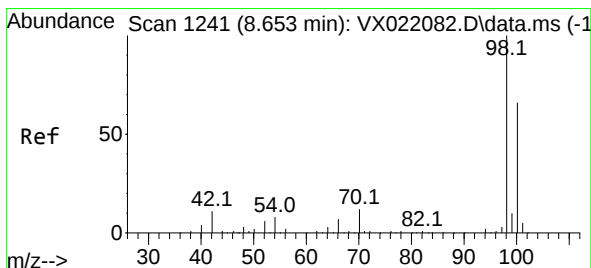
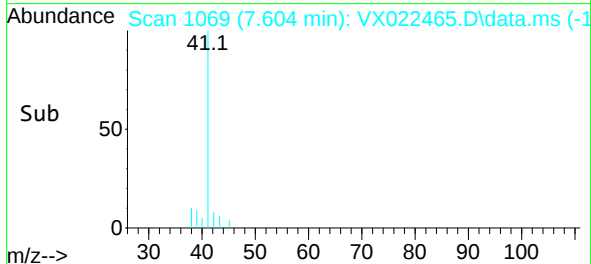
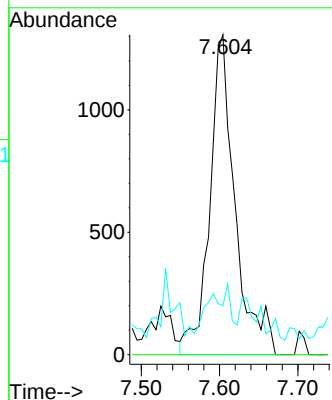
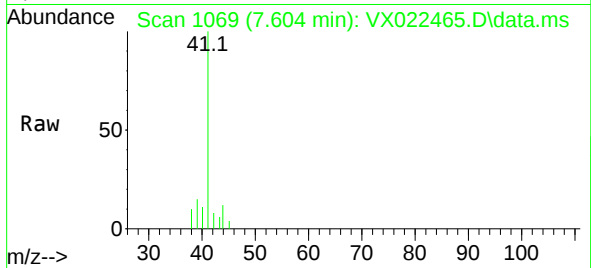




#48
Methyl methacrylate
Concen: 2.737 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

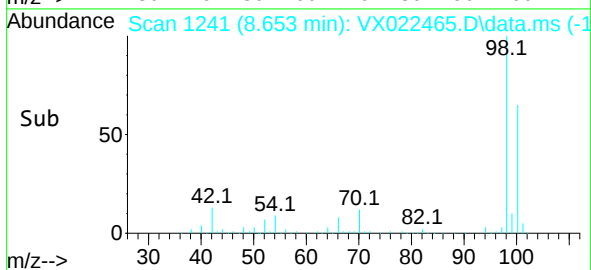
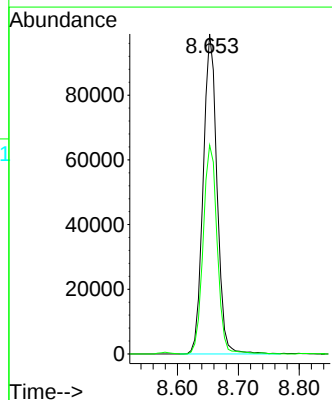
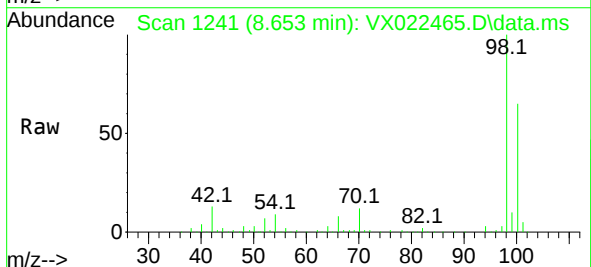
Instrument :
MSVOA_X
ClientSampleId :

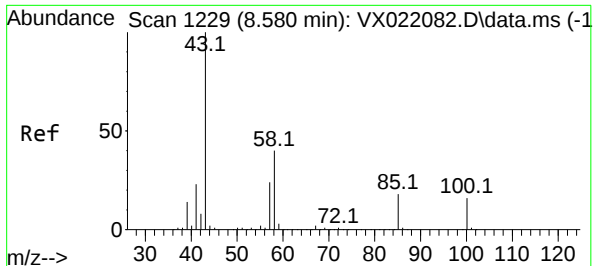
Tgt Ion: 41 Resp: 2943
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 50.837 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 98 Resp: 156262
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9

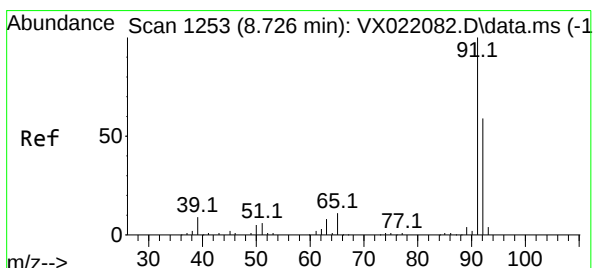
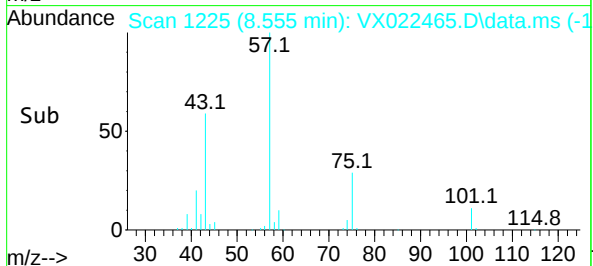
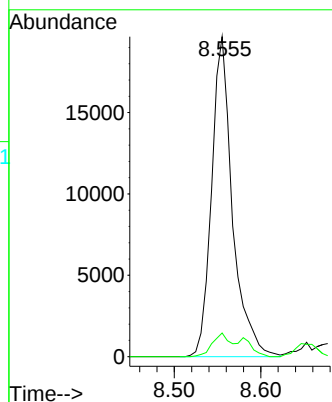
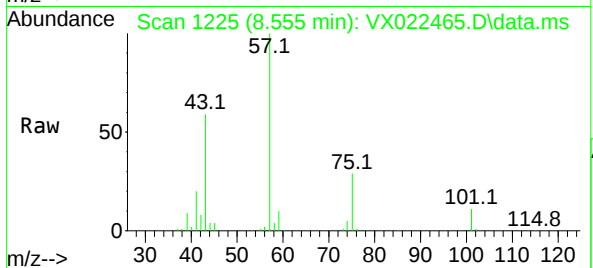




#51
4-Methyl-2-Pentanone
Concen: 23.541 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

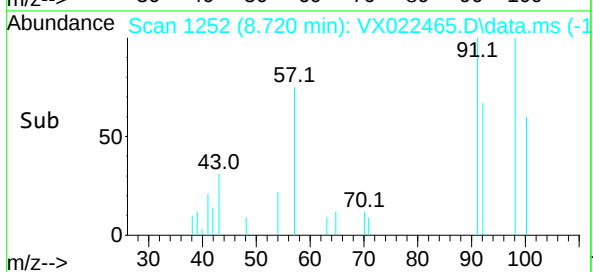
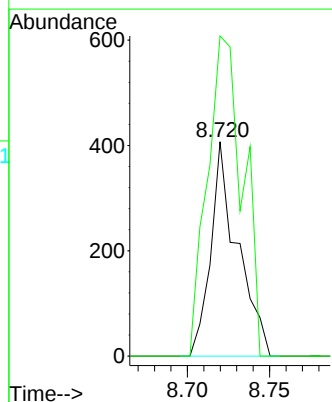
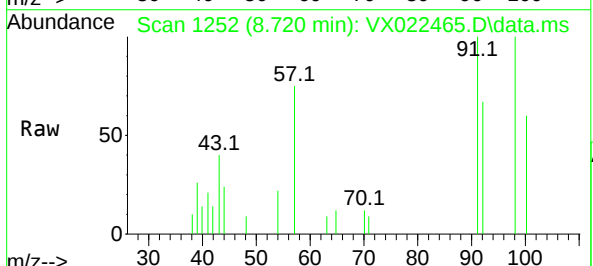
Instrument :
MSVOA_X
ClientSampled :

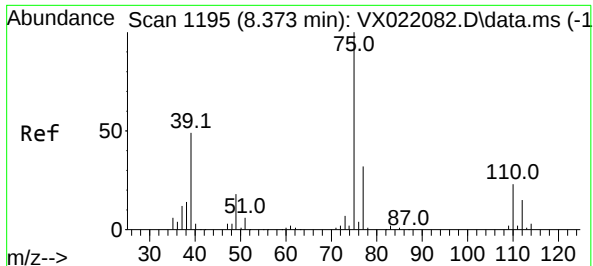
Tgt Ion: 43 Resp: 32898
Ion Ratio Lower Upper
43 100
58 6.2 35.4 53.0#



#52
Toluene
Concen: 0.202 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 92 Resp: 458
Ion Ratio Lower Upper
92 100
91 197.8 137.1 205.7

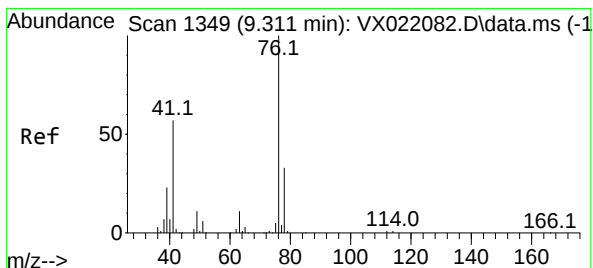
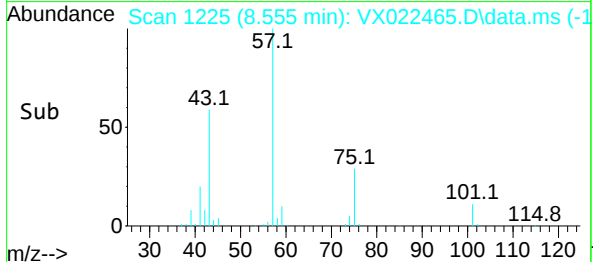
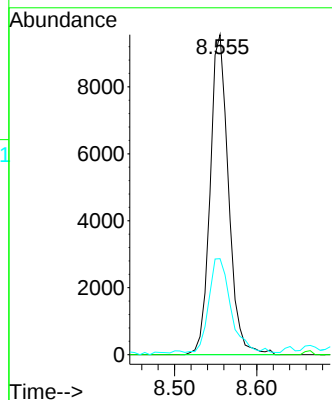
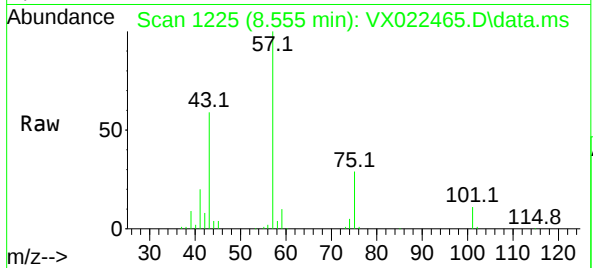




#54
 cis-1,3-Dichloropropene
 Concen: 9.645 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.182 min
 Lab File: VX022465.D
 Acq: 05 Jun 2021 12:36

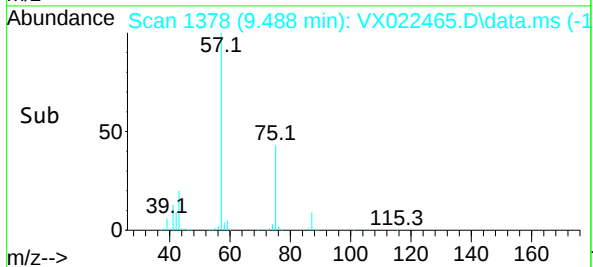
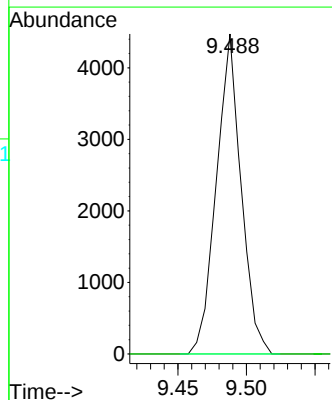
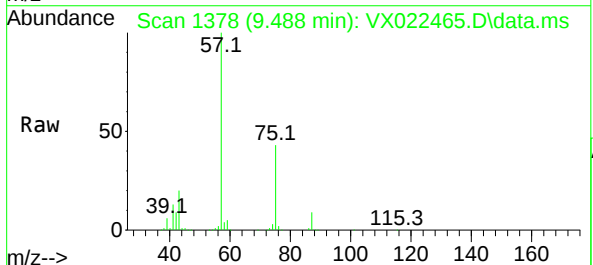
Instrument :
 MSVOA_X
 ClientSampled :

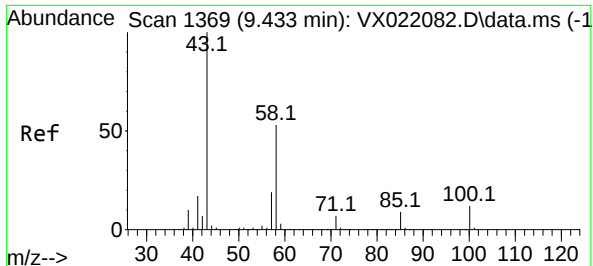
Tgt Ion: 75 Resp: 14840
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 29.3 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 3.569 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX022465.D
 Acq: 05 Jun 2021 12:36

Tgt Ion: 76 Resp: 5608
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

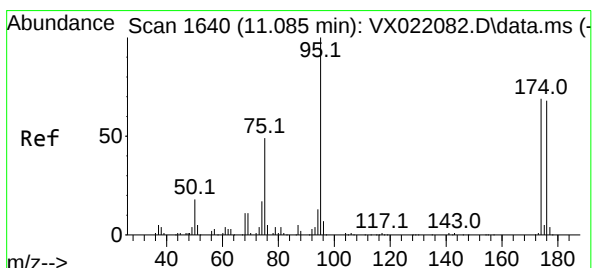
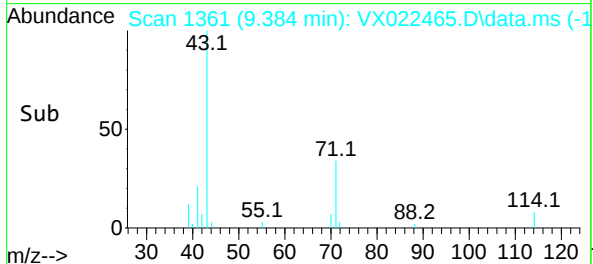
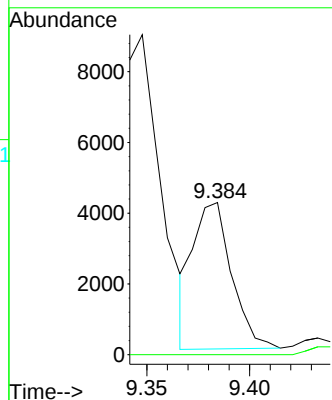
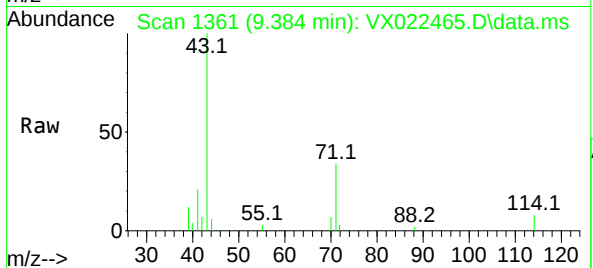




#59
2-Hexanone
Concen: 5.125 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

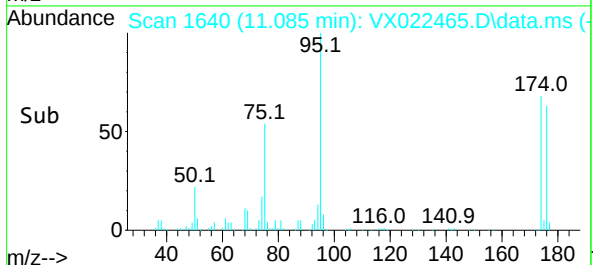
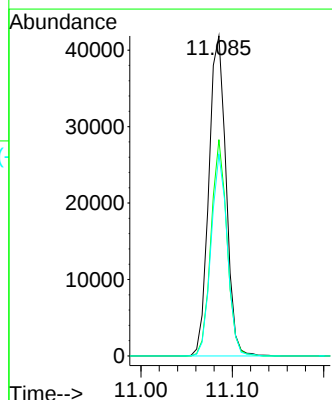
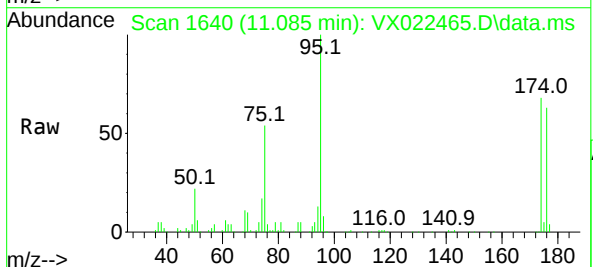
Instrument :
MSVOA_X
ClientSampled :

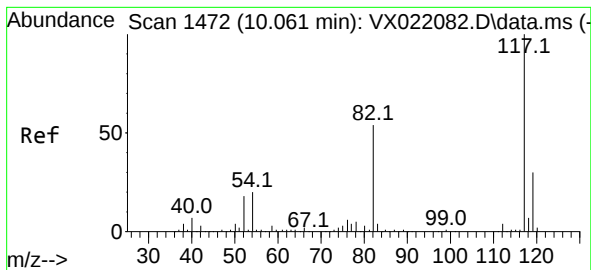
Tgt Ion: 43 Resp: 5387
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.984 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 95 Resp: 54516
Ion Ratio Lower Upper
95 100
174 62.6 0.0 154.6
176 59.6 0.0 155.8

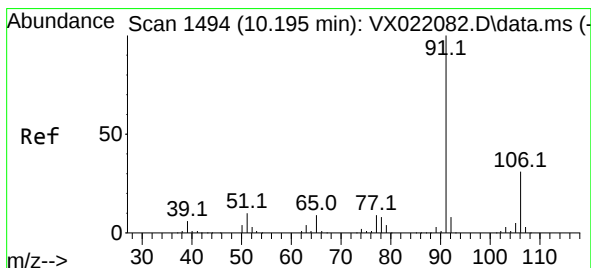
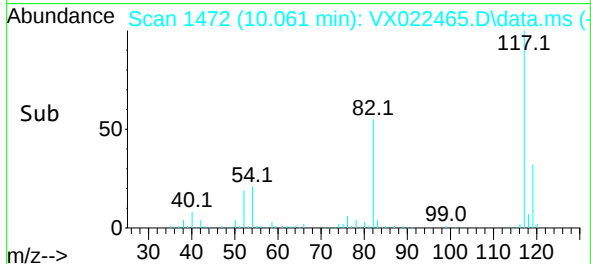
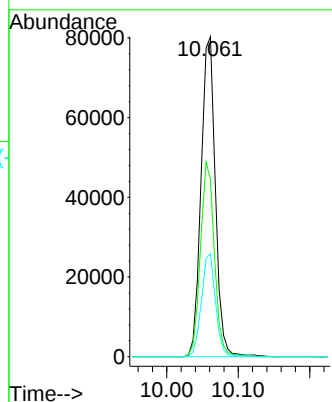
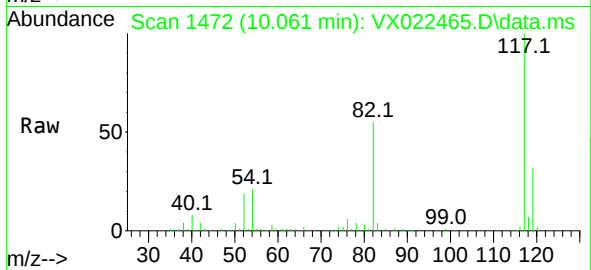




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

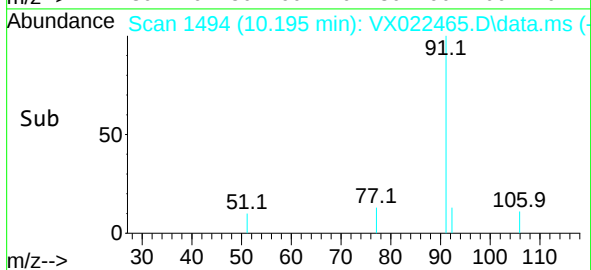
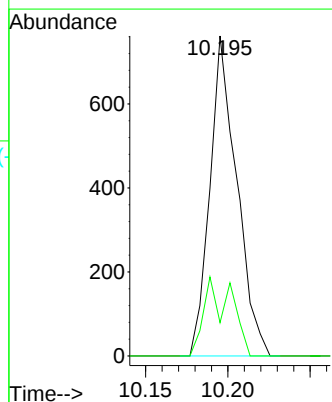
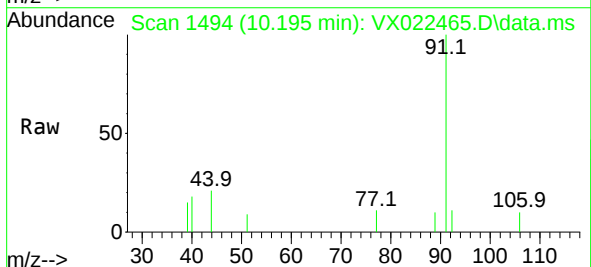
Instrument :
MSVOA_X
ClientSampled :

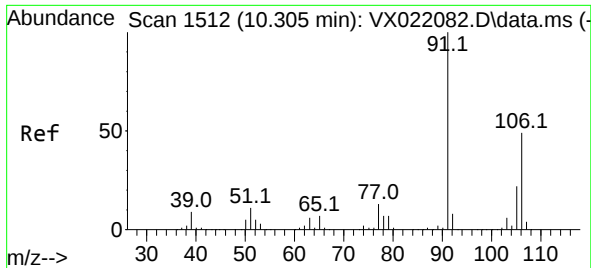
Tgt Ion:117 Resp: 111691
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 32.1 26.6 39.8



#67
Ethyl Benzene
Concen: 0.202 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 91 Resp: 865
Ion Ratio Lower Upper
91 100
106 10.4 24.6 37.0#

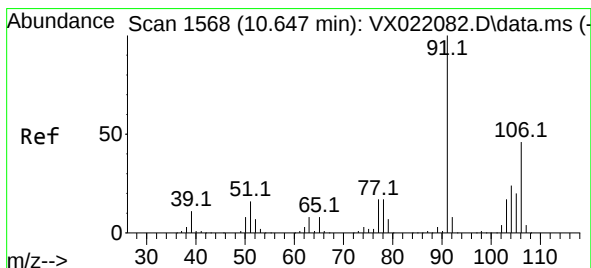
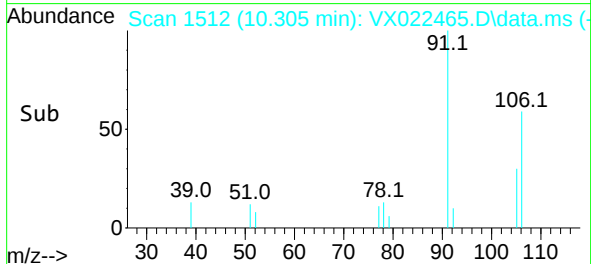
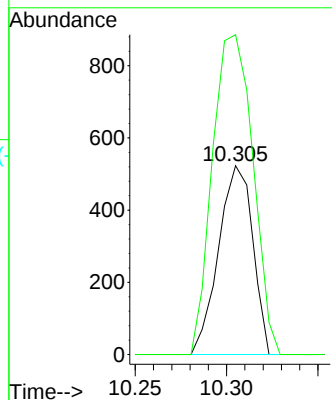
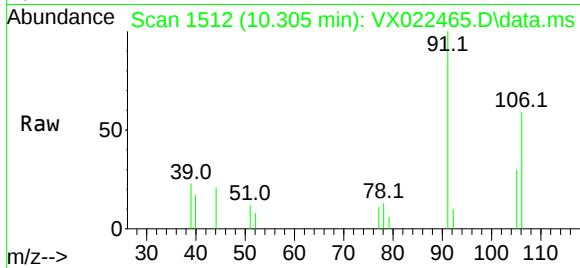




#68
m/p-Xylenes
Concen: 0.421 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

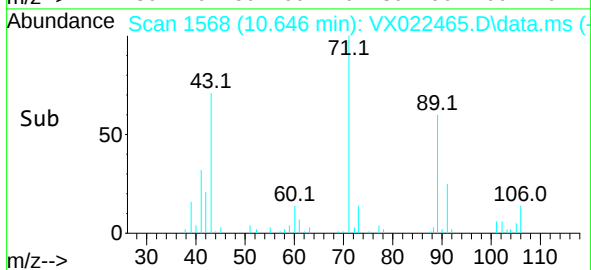
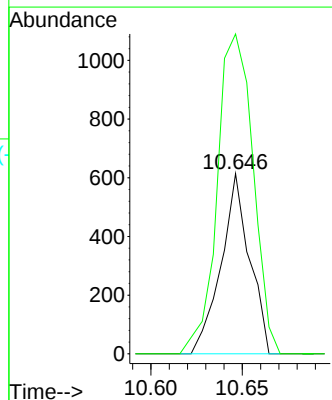
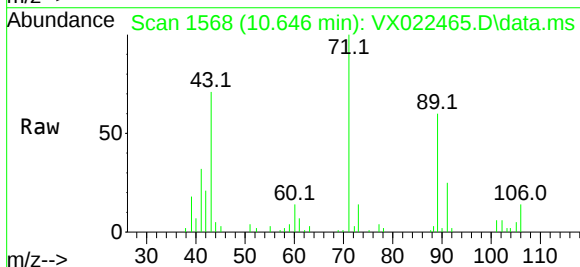
Instrument :
MSVOA_X
ClientSampled :

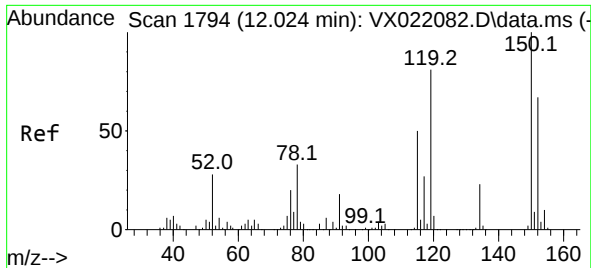
Tgt Ion:106 Resp: 680
Ion Ratio Lower Upper
106 100
91 201.0 162.8 244.2



#69
o-Xylene
Concen: 0.423 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion:106 Resp: 665
Ion Ratio Lower Upper
106 100
91 223.3 108.1 324.2

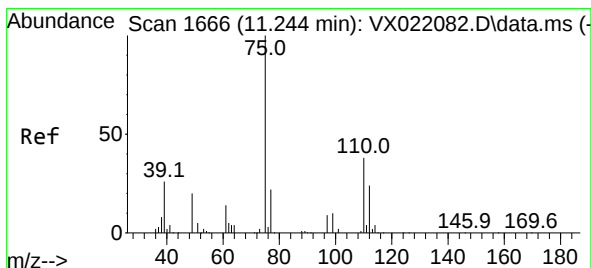
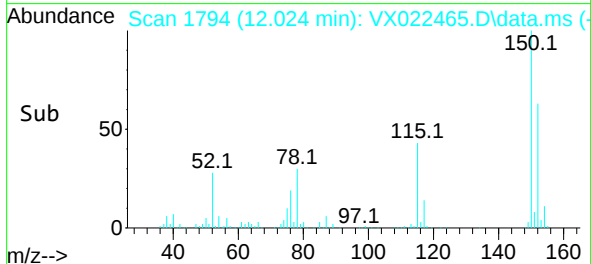
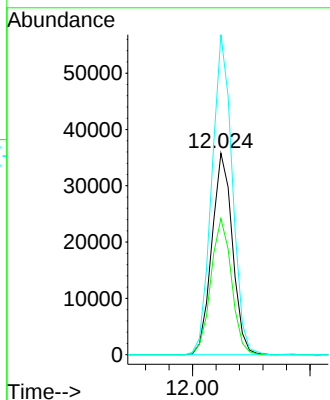
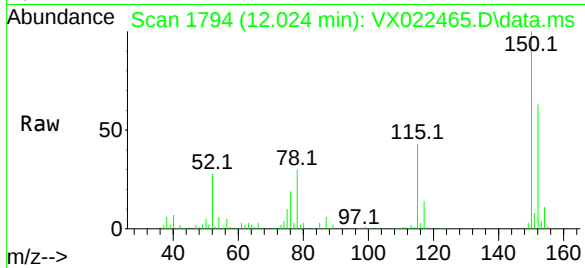




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022465.D
 Acq: 05 Jun 2021 12:36

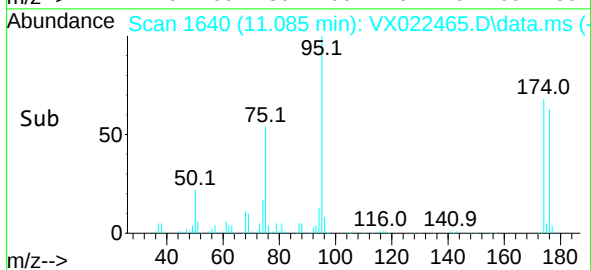
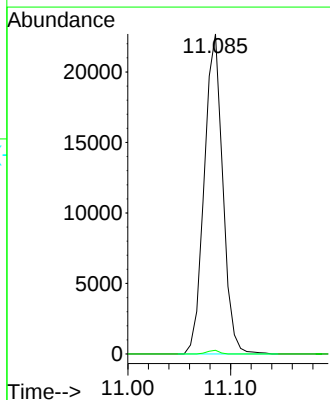
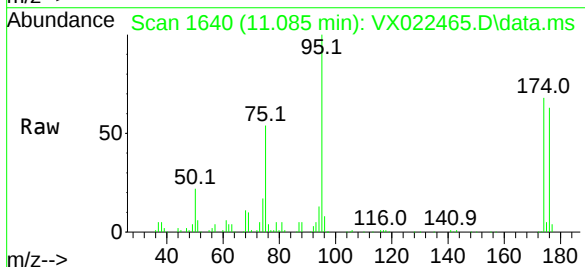
Instrument :
 MSVOA_X
 ClientSampled :

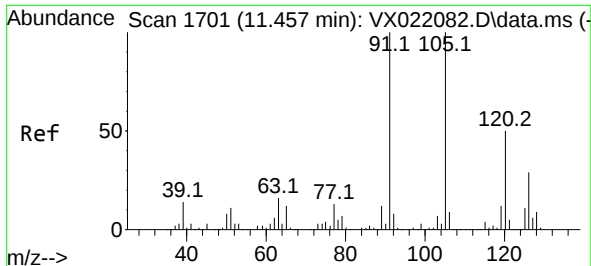
Tgt Ion:152 Resp: 43579
 Ion Ratio Lower Upper
 152 100
 115 67.7 41.1 123.3
 150 157.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.463 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022465.D
 Acq: 05 Jun 2021 12:36

Tgt Ion: 75 Resp: 28450
 Ion Ratio Lower Upper
 75 100
 77 0.7 19.1 57.5#

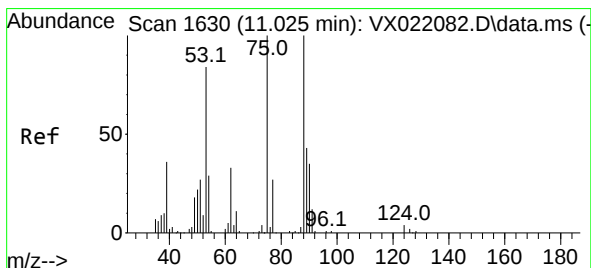
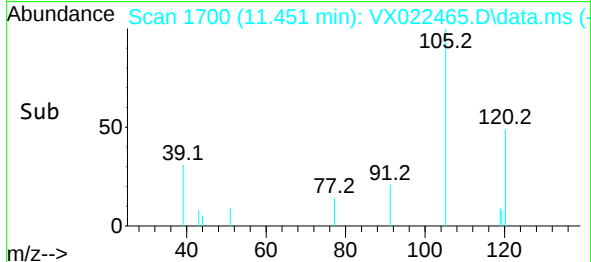
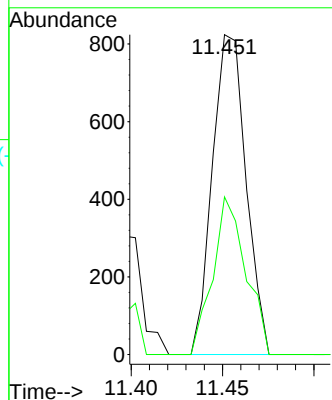
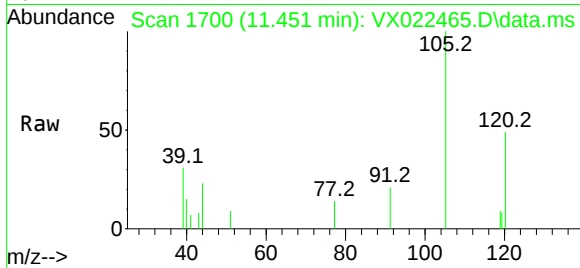




#80
1,3,5-Trimethylbenzene
Concen: 0.345 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

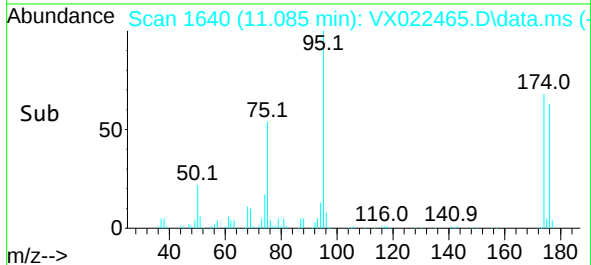
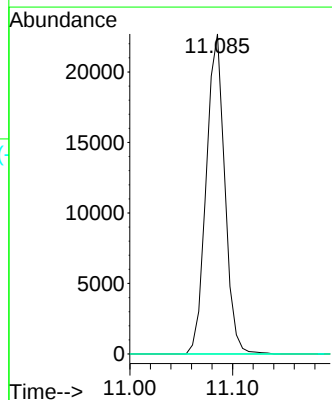
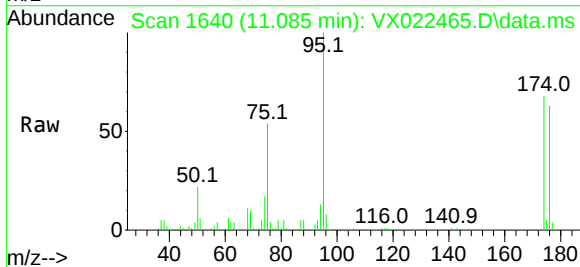
Instrument :
MSVOA_X
ClientSampleId :

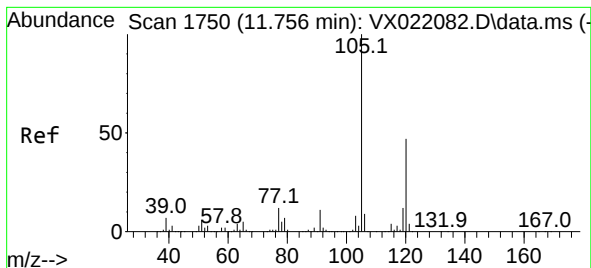
Tgt Ion:105 Resp: 1056
Ion Ratio Lower Upper
105 100
120 48.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 62.699 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Tgt Ion: 75 Resp: 28450
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 0.808 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX022465.D

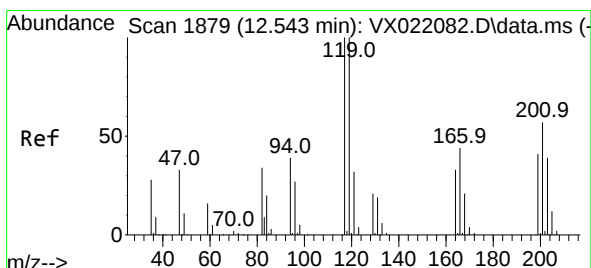
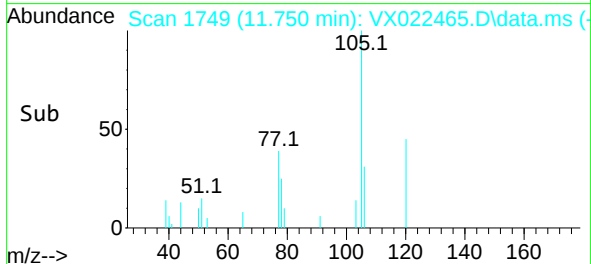
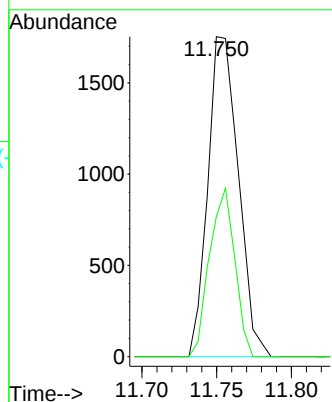
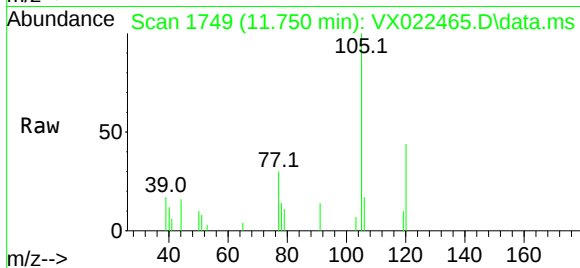
Acq: 05 Jun 2021 12:36

Tgt Ion:105 Resp: 2487

Ion Ratio Lower Upper

105 100

120 43.5 22.4 67.3



#90

Hexachloroethane

Concen: 1.000 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.158 min

Lab File: VX022465.D

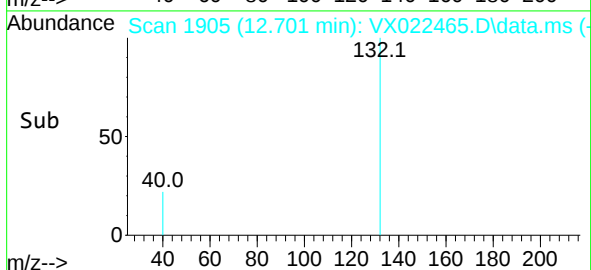
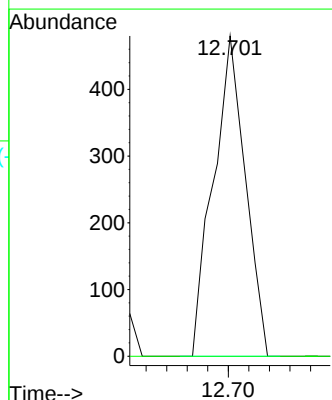
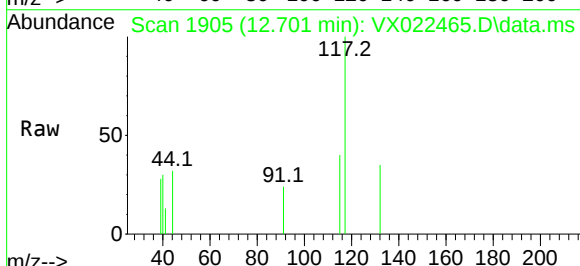
Acq: 05 Jun 2021 12:36

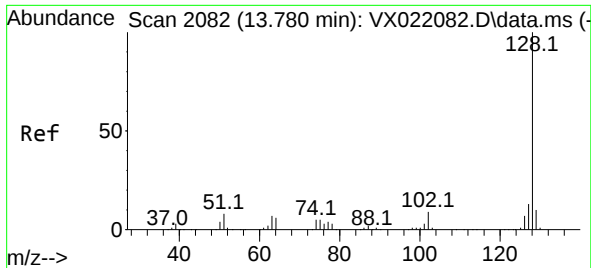
Tgt Ion:117 Resp: 520

Ion Ratio Lower Upper

117 100

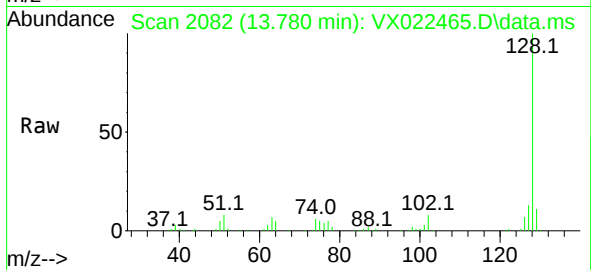
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 9.905 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022465.D
Acq: 05 Jun 2021 12:36

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 33759
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.5 8.8 13.2

