

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022423.D
 Acq On : 04 Jun 2021 19:22
 Operator : JC/MD
 Sample : M2580-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 03:22:43 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)

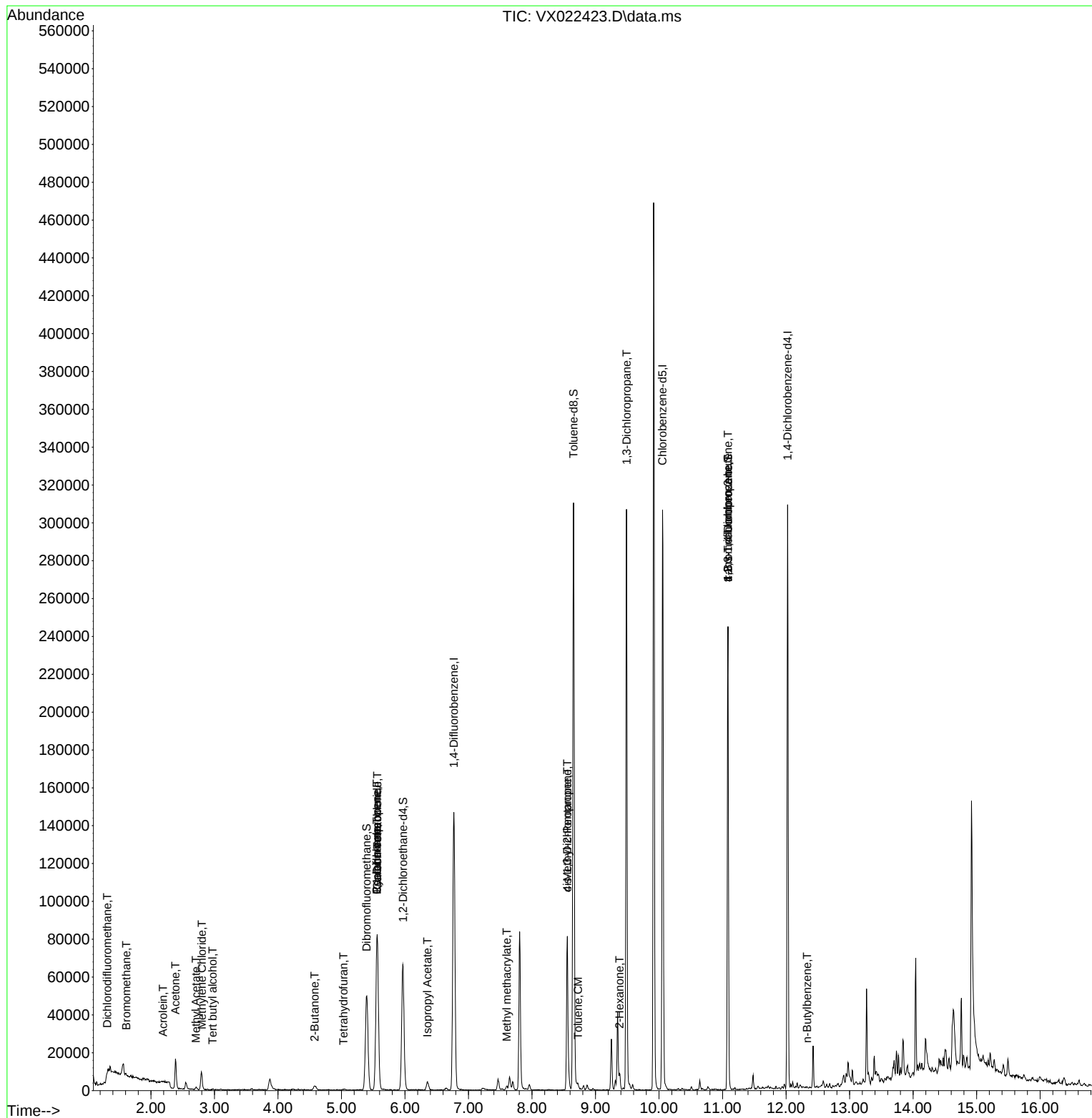
Internal Standards						
1) Pentafluorobenzene	5.556	168	71984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	148582	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	58376	52.572	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.140%	
35) Dibromofluoromethane	5.397	113	43441	46.104	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.200%	
50) Toluene-d8	8.653	98	181977	50.137	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	11.085	95	65458	48.792	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.580%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.313	85	301	0.344	ug/l #	42
5) Bromomethane	1.611	94	215	0.369	ug/l	84
11) Tert butyl alcohol	2.971	59	285	1.122	ug/l #	79
13) Acrolein	2.191	56	43	0.255	ug/l #	1
16) Acetone	2.386	43	15726	32.525	ug/l	100
18) Methyl Acetate	2.709	43	1603	1.247	ug/l #	80
20) Methylene Chloride	2.800	84	3906	3.638	ug/l	88
25) 2-Butanone	4.574	43	4184	5.349	ug/l #	83
29) Tetrahydrofuran	5.032	42	359	0.771	ug/l #	37
31) Cyclohexane	5.556	56	2033	1.457	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	7169	5.218	ug/l #	46
38) Carbon Tetrachloride	5.562	117	8249	6.138	ug/l #	17
43) Isopropyl Acetate	6.355	43	5913	2.146	ug/l	96
48) Methyl methacrylate	7.604	41	3707	2.920	ug/l #	19
51) 4-Methyl-2-Pentanone	8.555	43	30358	18.397	ug/l #	48
52) Toluene	8.726	92	616	0.230	ug/l	82
54) cis-1,3-Dichloropropene	8.555	75	13459	7.408	ug/l #	59
57) 1,3-Dichloropropane	9.488	76	2707	1.459	ug/l #	42
59) 2-Hexanone	9.378	43	5285	4.258	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	35591	26.461	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	35591	62.695	ug/l #	12
89) n-Butylbenzene	12.329	91	959	0.263	ug/l #	46

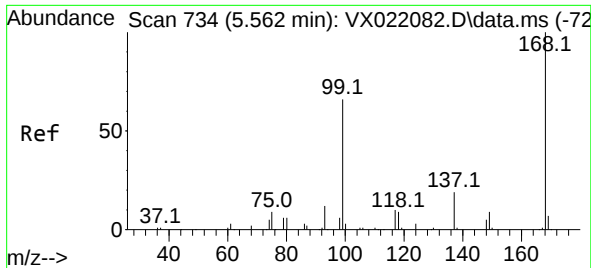
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
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Response via : Initial Calibration

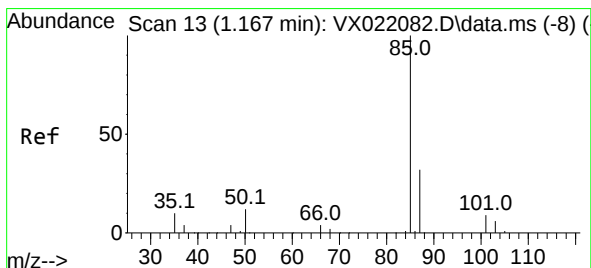
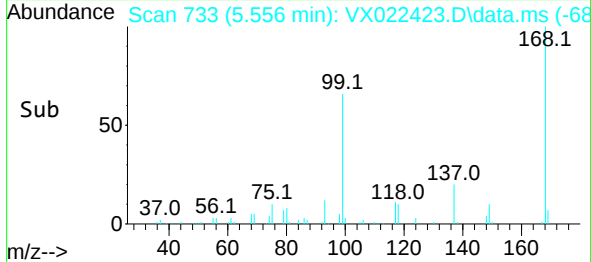
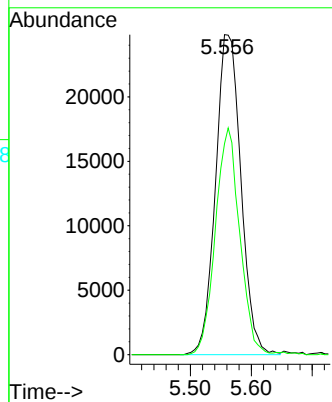
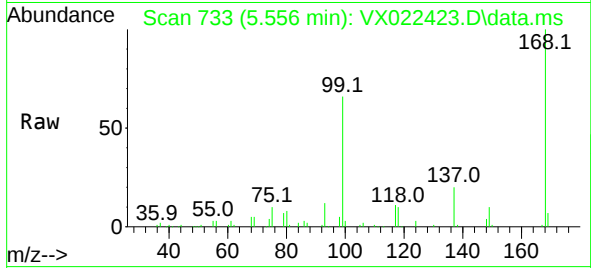




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

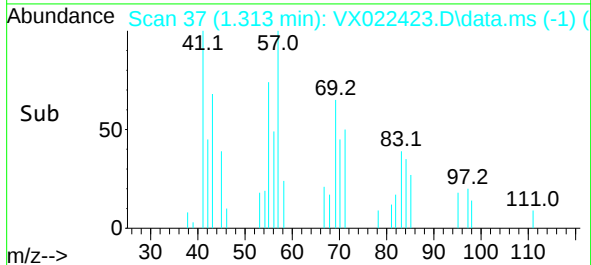
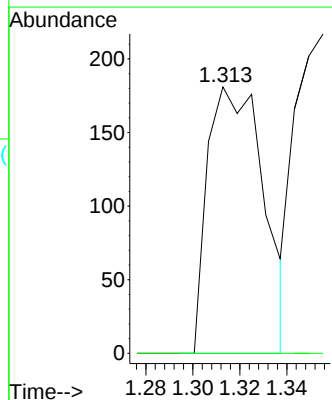
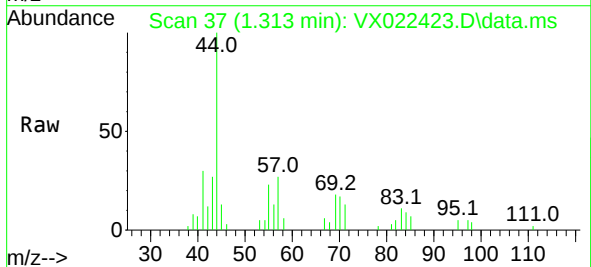
Instrument :
MSVOA_X
ClientSampled :

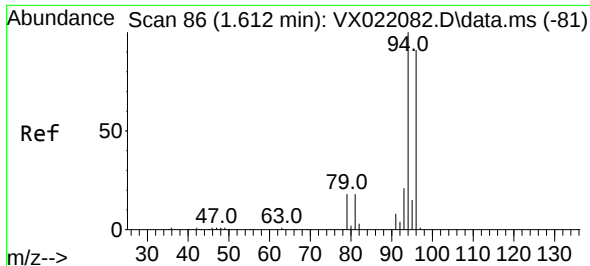
Tgt Ion:168 Resp: 71984
Ion Ratio Lower Upper
168 100
99 65.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.344 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.146 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 85 Resp: 301
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

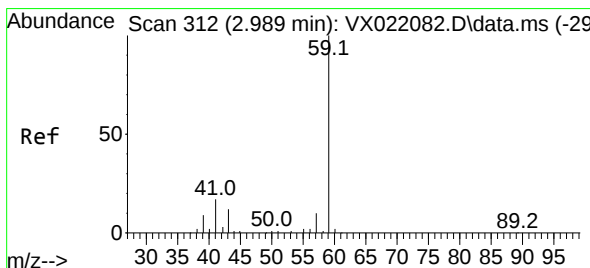
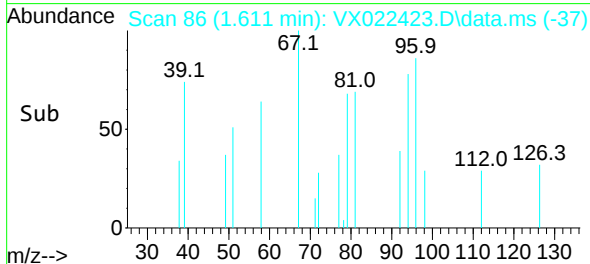
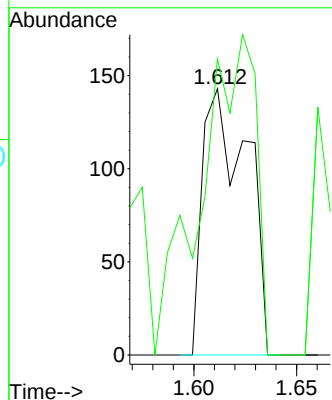
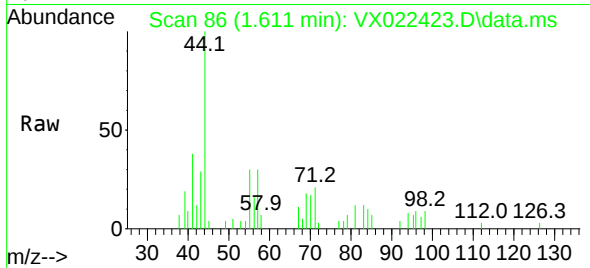




#5
Bromomethane
Concen: 0.369 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

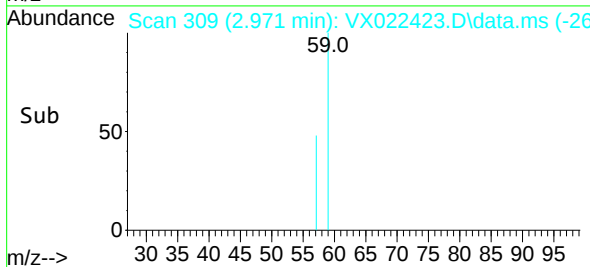
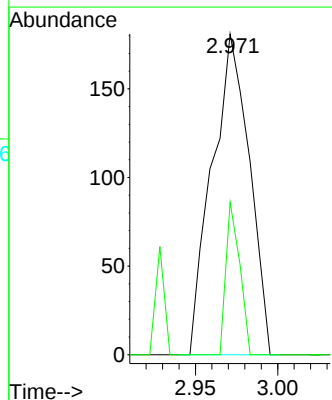
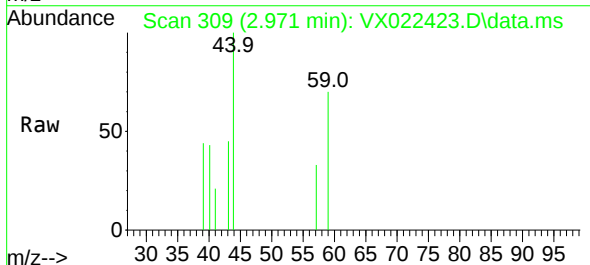
Instrument :
MSVOA_X
ClientSampleId :

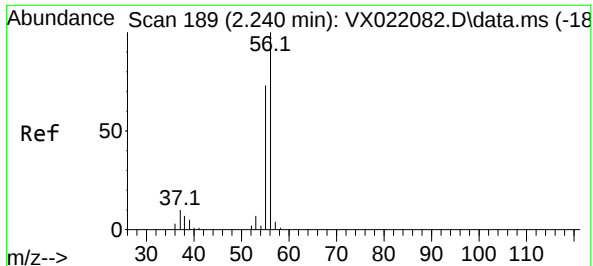
Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 111.2 76.4 114.6



#11
Tert butyl alcohol
Concen: 1.122 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 17.5 7.8 11.8#

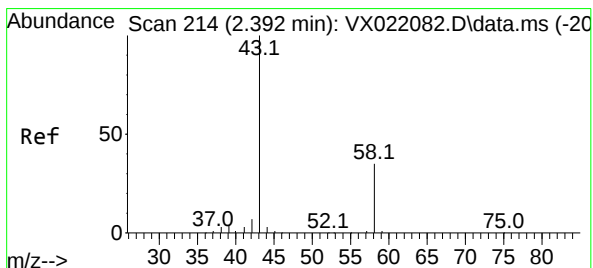
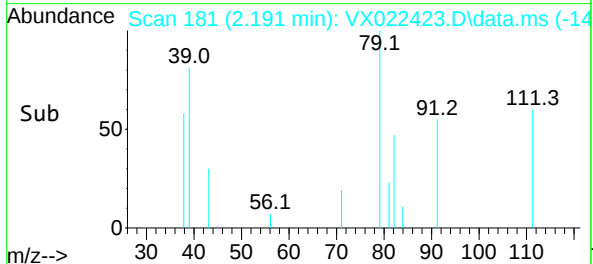
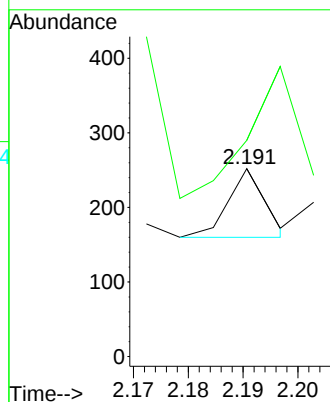
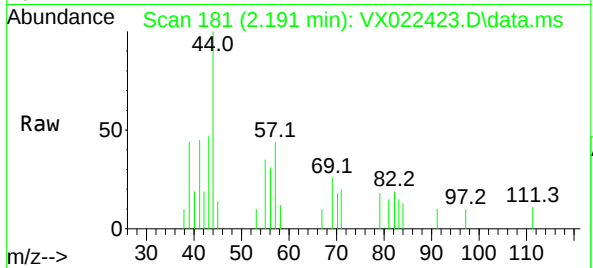




#13
Acrolein
Concen: 0.255 ug/l
RT: 2.191 min Scan# 181
Delta R.T. -0.049 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

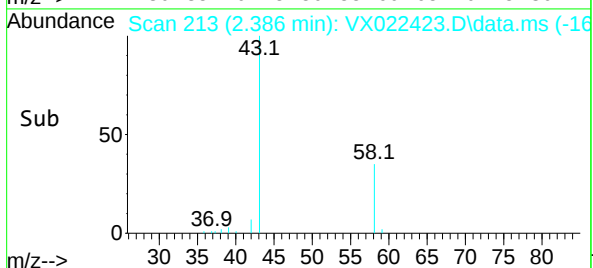
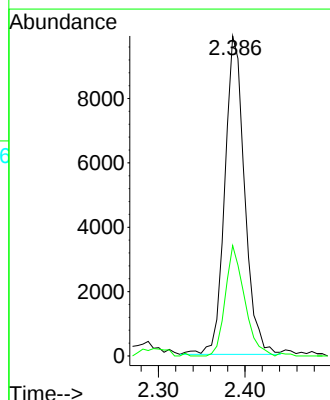
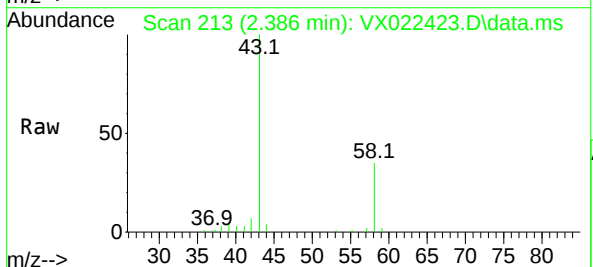
Instrument :
MSVOA_X
ClientSampled :

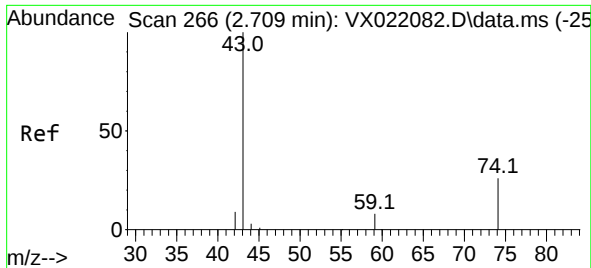
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 418.6 56.4 84.6#



#16
Acetone
Concen: 32.525 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 43 Resp: 15726
Ion Ratio Lower Upper
43 100
58 34.7 27.8 41.8

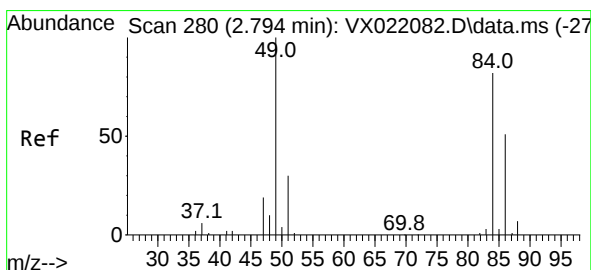
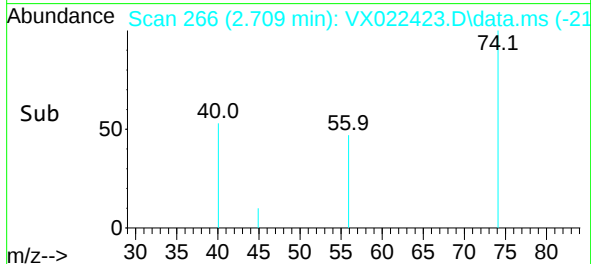
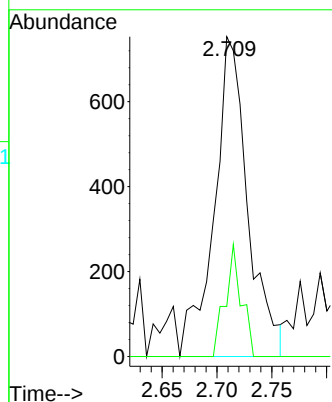
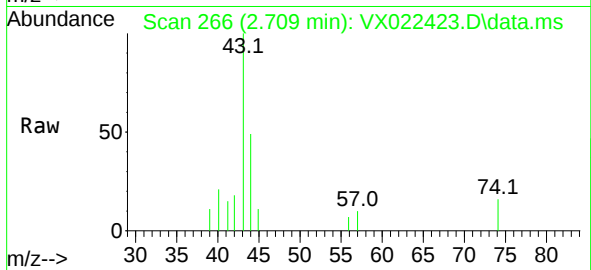




#18
Methyl Acetate
Concen: 1.247 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

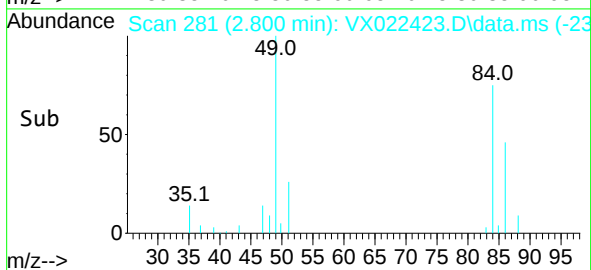
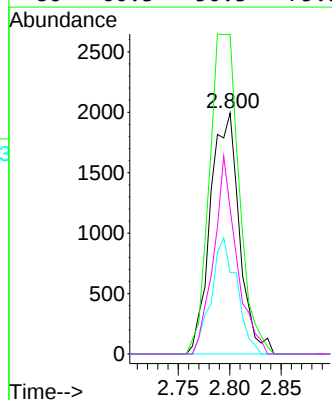
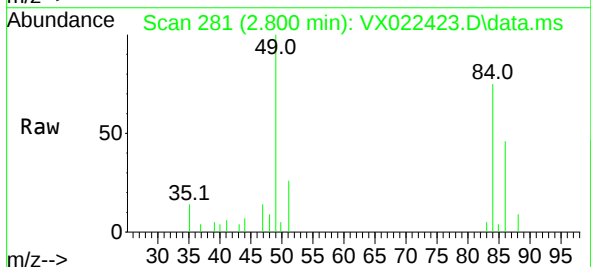
Instrument :
MSVOA_X
ClientSampleId :

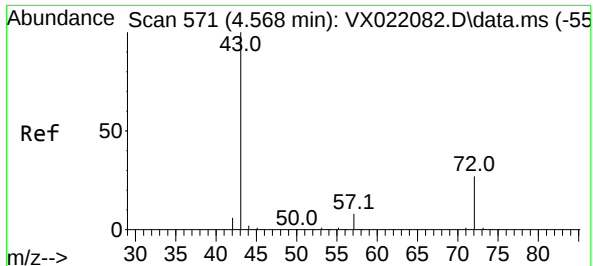
Tgt Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
74 16.9 21.9 32.9#



#20
Methylene Chloride
Concen: 3.638 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 84 Resp: 3906
Ion Ratio Lower Upper
84 100
49 132.5 88.6 132.8
51 33.9 27.0 40.6
86 60.3 50.3 75.5





#25

2-Butanone

Concen: 5.349 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX022423.D

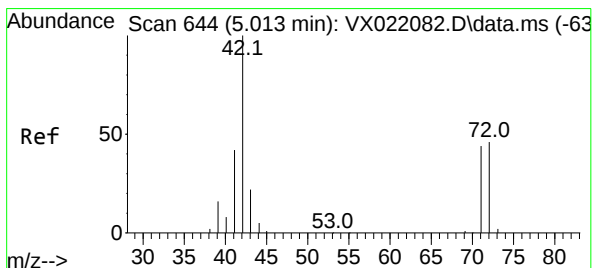
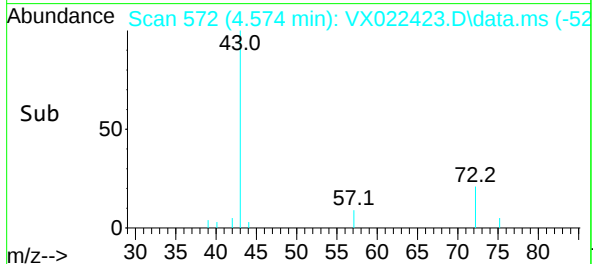
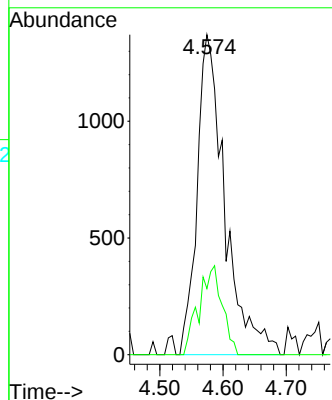
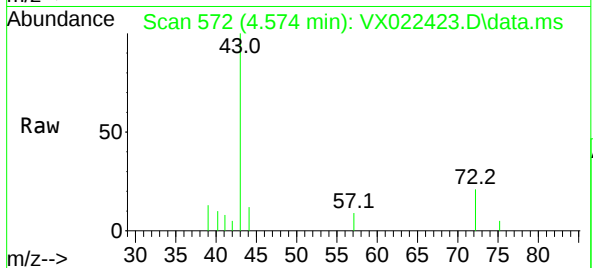
Acq: 04 Jun 2021 19:22

Tgt Ion: 43 Resp: 4184

Ion Ratio Lower Upper

43 100

72 20.6 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.771 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX022423.D

Acq: 04 Jun 2021 19:22

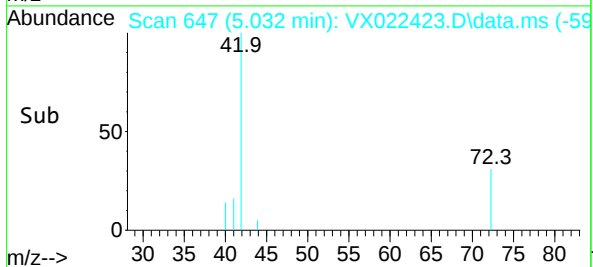
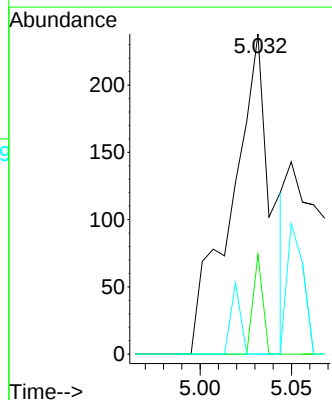
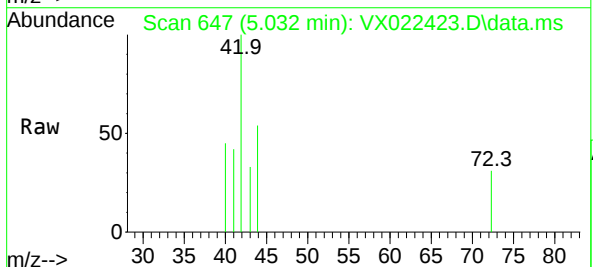
Tgt Ion: 42 Resp: 359

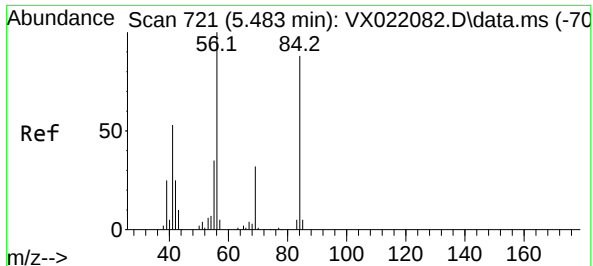
Ion Ratio Lower Upper

42 100

72 7.5 41.7 62.5#

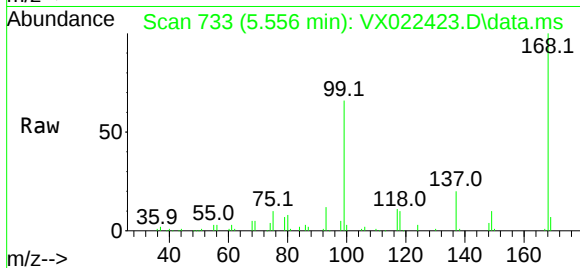
71 5.3 38.4 57.6#



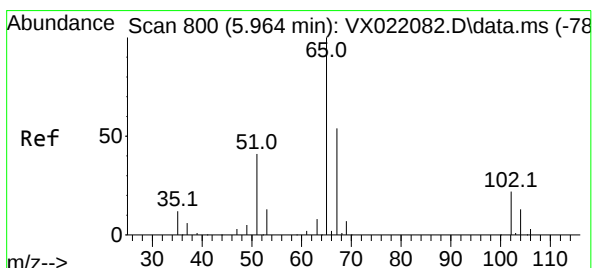
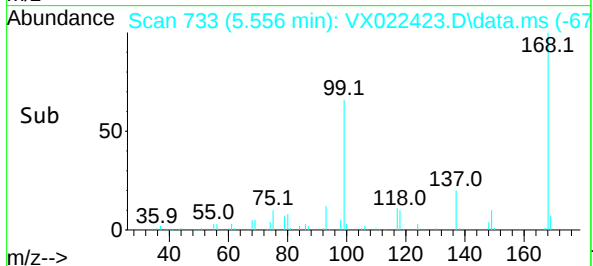
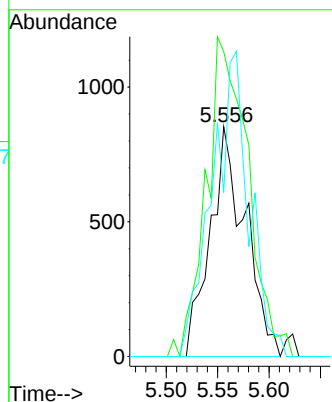


#31
Cyclohexane
Concen: 1.457 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Instrument :
MSVOA_X
ClientSampleId :

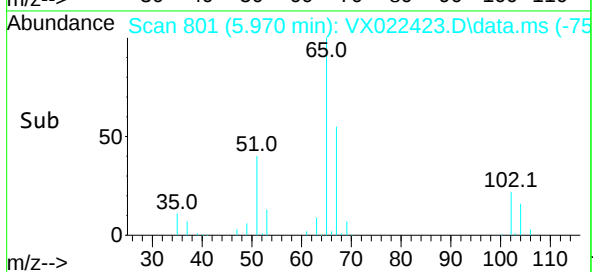
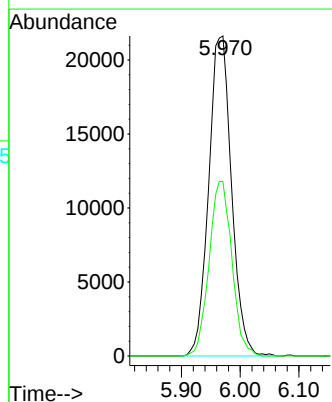
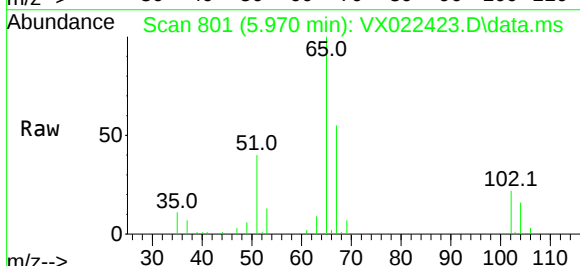


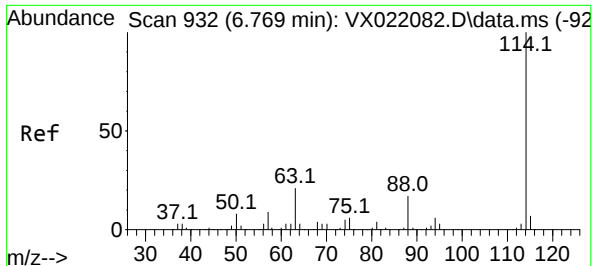
Tgt Ion: 56 Resp: 2033
Ion Ratio Lower Upper
56 100
69 132.7 25.3 37.9#
84 71.4 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.572 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 65 Resp: 58376
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.4

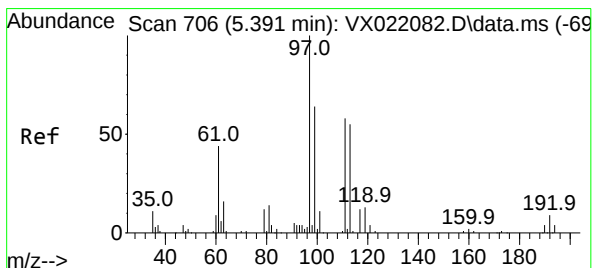
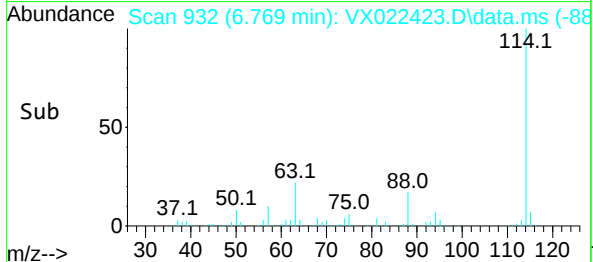
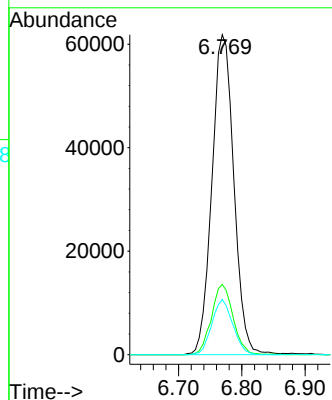
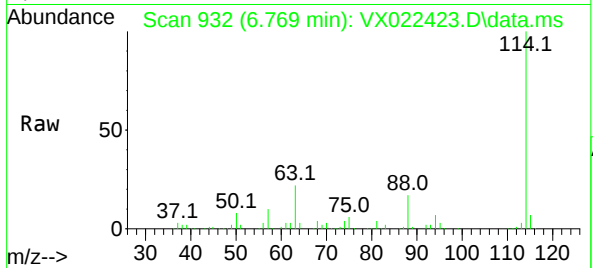




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

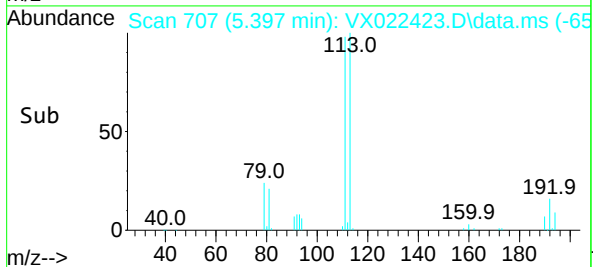
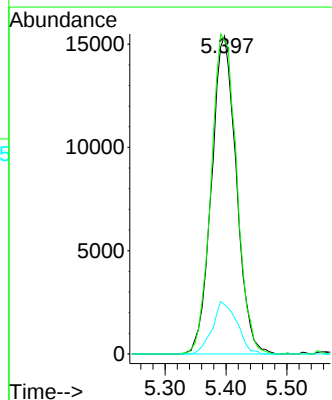
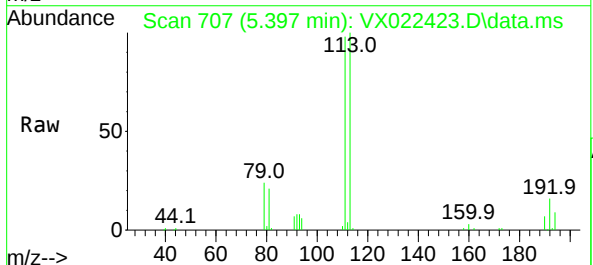
Instrument :
MSVOA_X
ClientSampleId :

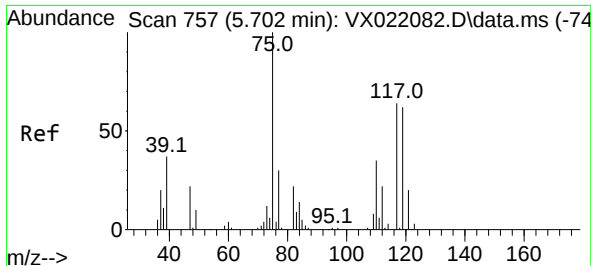
Tgt Ion:114 Resp: 148582
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.104 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion:113 Resp: 43441
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 16.2 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.218 ug/l

RT: 5.556 min Scan# 733

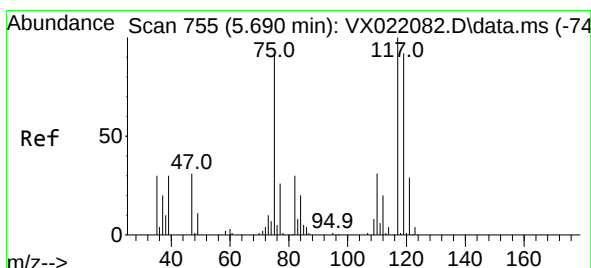
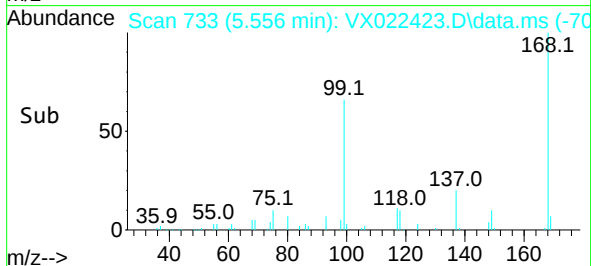
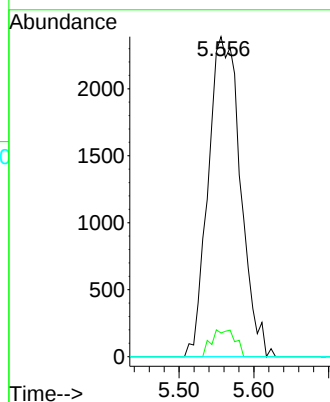
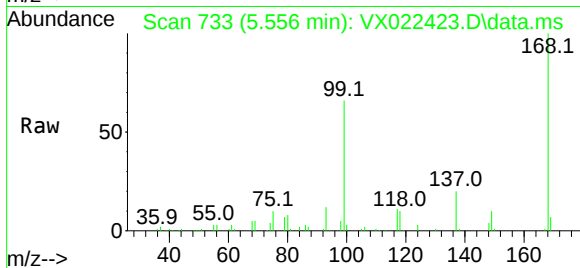
Delta R.T. -0.146 min

Lab File: VX022423.D

Acq: 04 Jun 2021 19:22

Tgt Ion:	75	Resp:	7169
Ion	Ratio	Lower	Upper
75	100		
110	6.2	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.138 ug/l

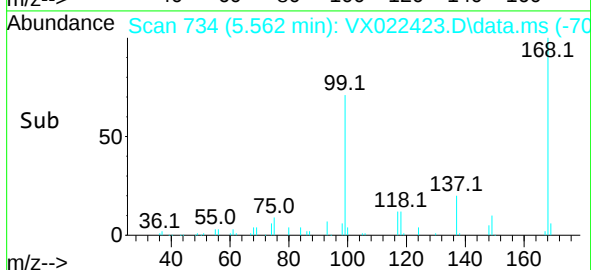
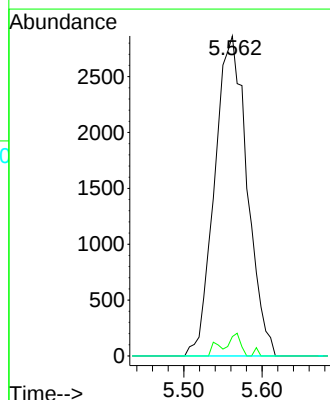
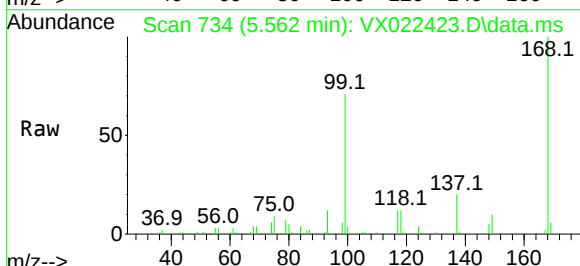
RT: 5.562 min Scan# 734

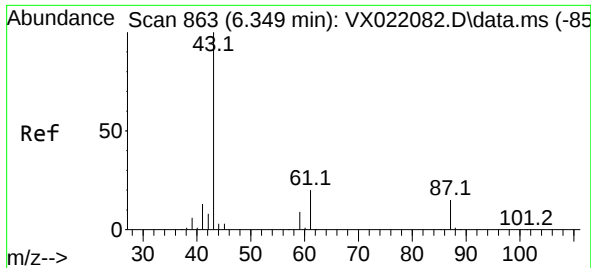
Delta R.T. -0.128 min

Lab File: VX022423.D

Acq: 04 Jun 2021 19:22

Tgt Ion:	117	Resp:	8249
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.2	114.2#
121	0.0	24.8	37.2#

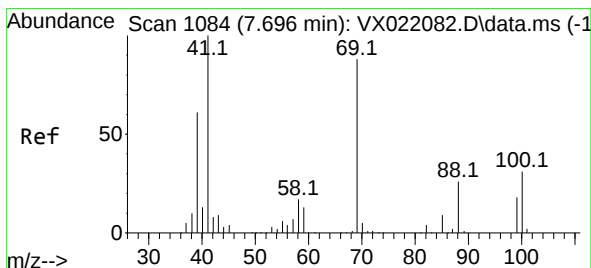
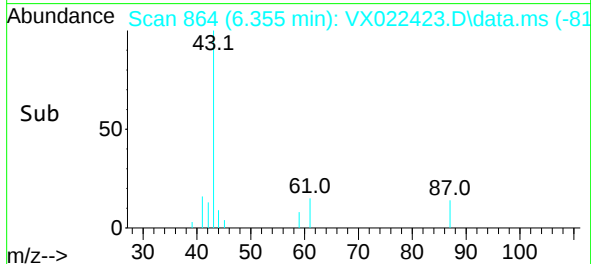
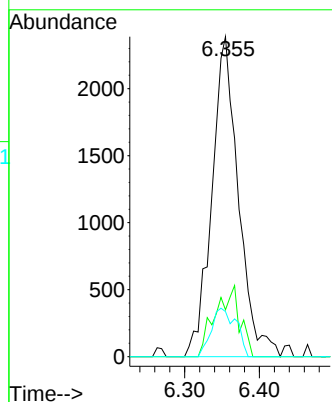
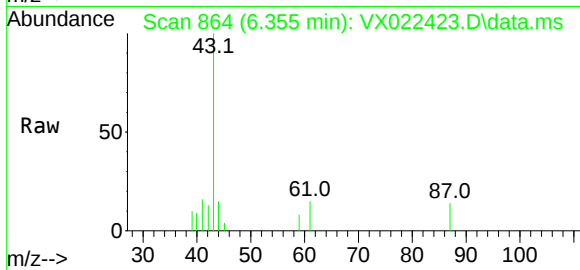




#43
Isopropyl Acetate
Concen: 2.146 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

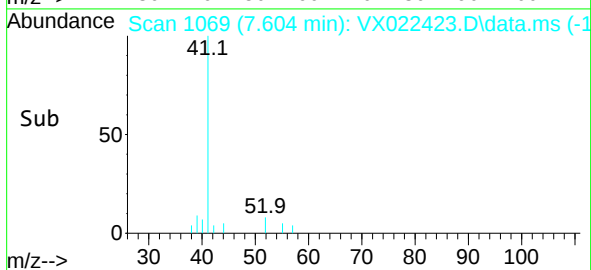
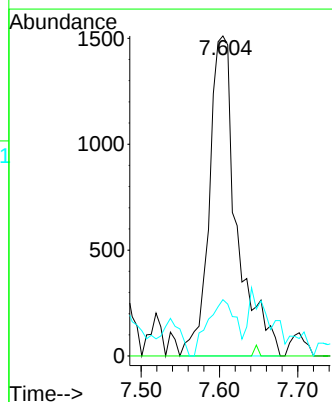
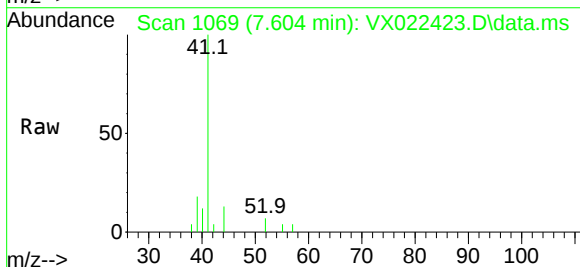
Instrument :
MSVOA_X
ClientSampleId :

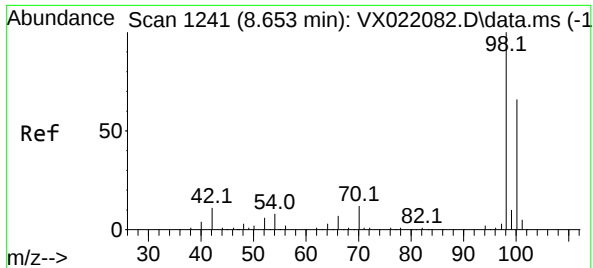
Tgt Ion:	43	Resp:	5913
Ion	Ratio	Lower	Upper
43	100		
61	20.4	18.2	27.4
87	14.1	12.5	18.7



#48
Methyl methacrylate
Concen: 2.920 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion:	41	Resp:	3707
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	17.7	44.6	67.0#

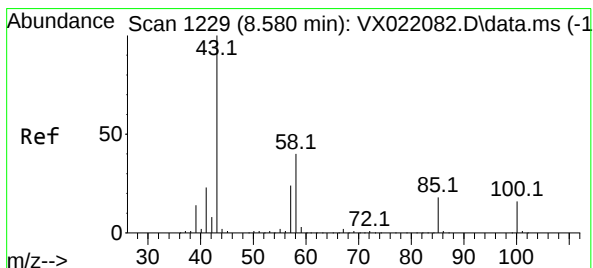
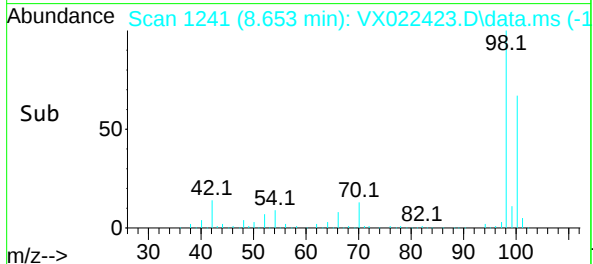
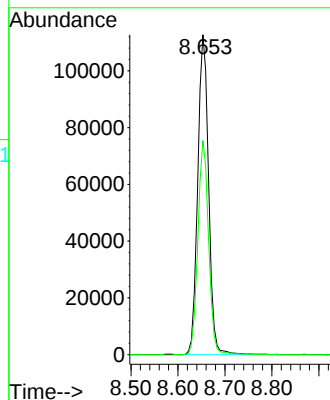
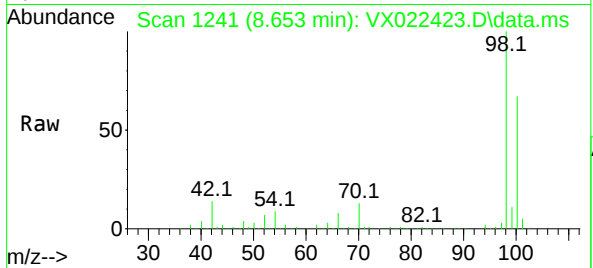




#50
Toluene-d8
Concen: 50.137 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

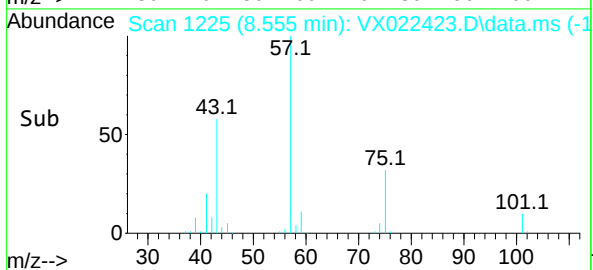
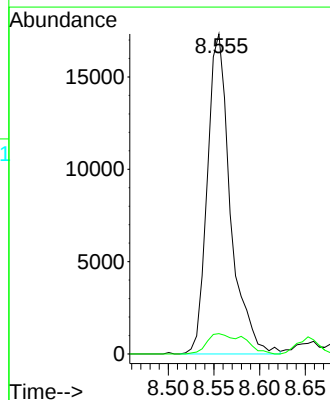
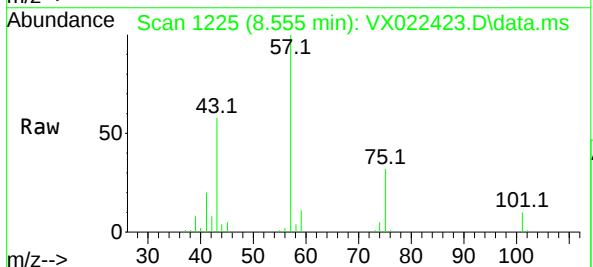
Instrument :
MSVOA_X
ClientSampled :

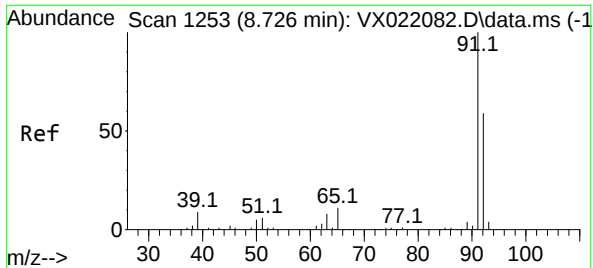
Tgt Ion: 98 Resp: 181977
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 18.397 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 43 Resp: 30358
Ion Ratio Lower Upper
43 100
58 10.3 35.4 53.0#

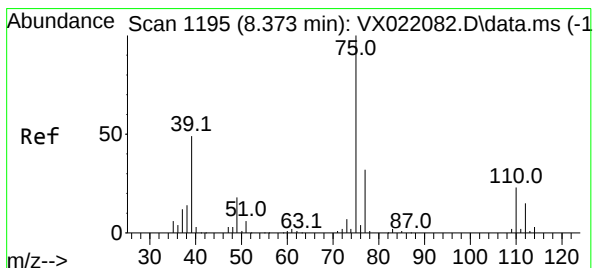
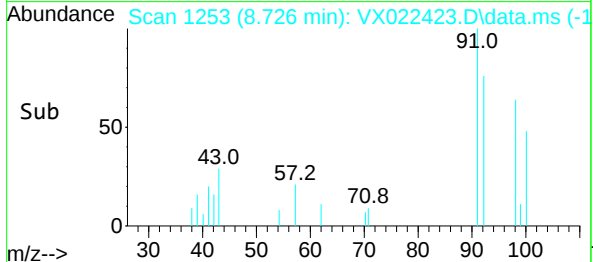
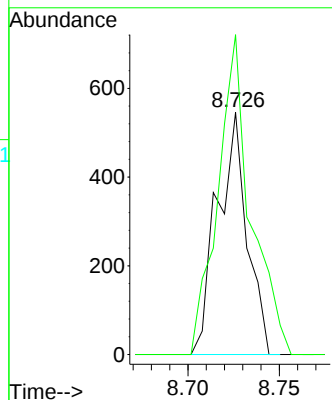
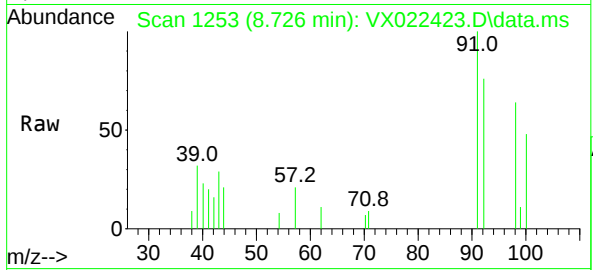




#52
Toluene
Concen: 0.230 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

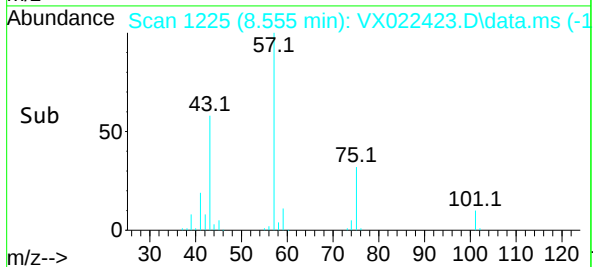
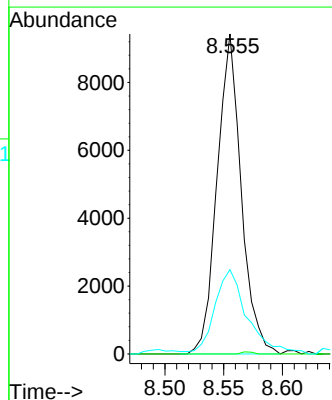
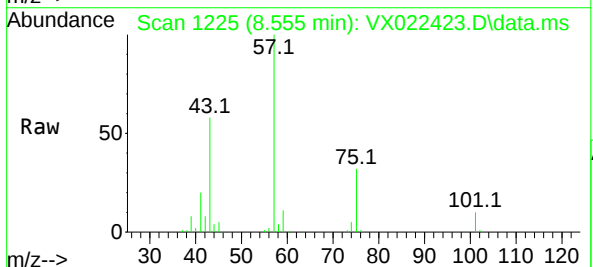
Instrument :
MSVOA_X
ClientSampleId :

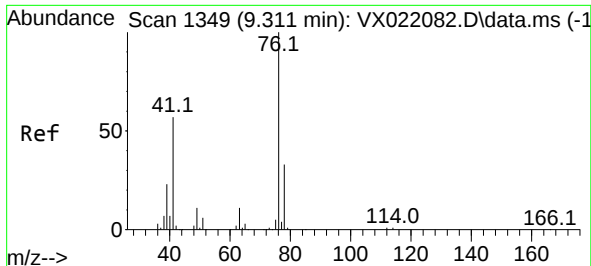
Tgt Ion: 92 Resp: 616
Ion Ratio Lower Upper
92 100
91 146.8 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 7.408 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 75 Resp: 13459
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 25.6 35.1 52.7#



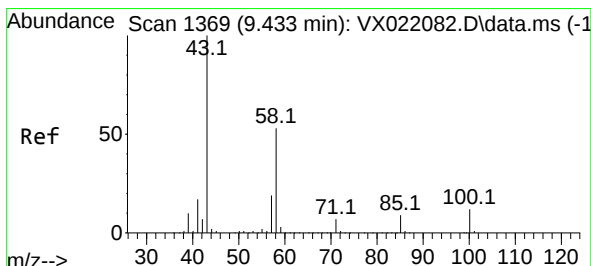
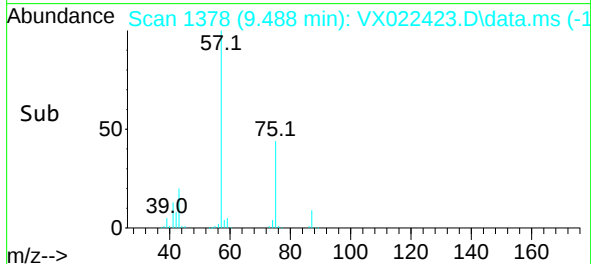
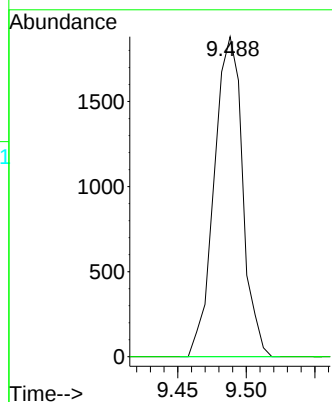
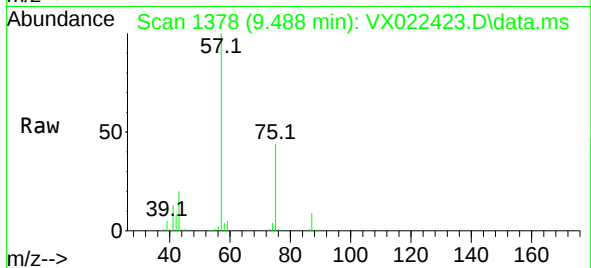


#57

1,3-Dichloropropane
Concen: 1.459 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Instrument :
MSVOA_X
ClientSampled :

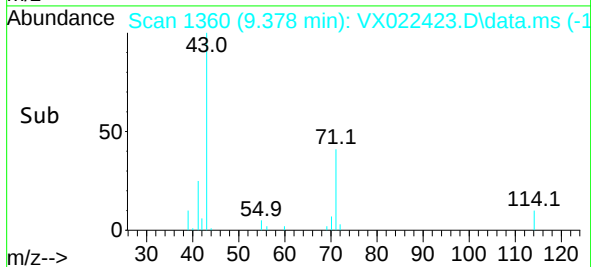
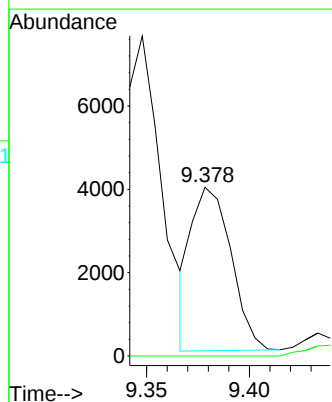
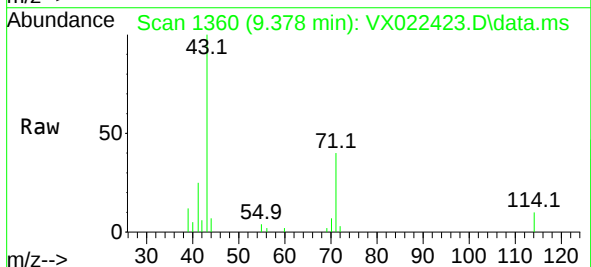
Tgt Ion: 76 Resp: 2707
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

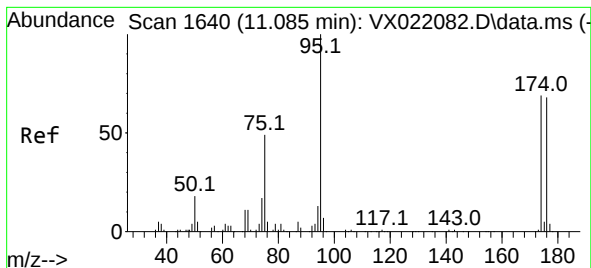


#59

2-Hexanone
Concen: 4.258 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 43 Resp: 5285
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

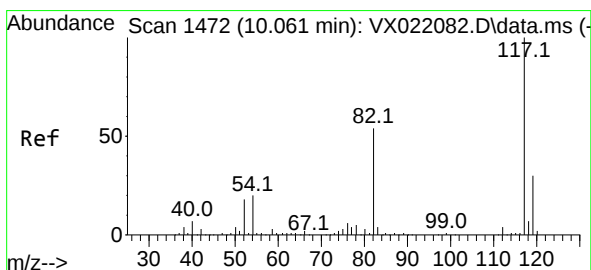
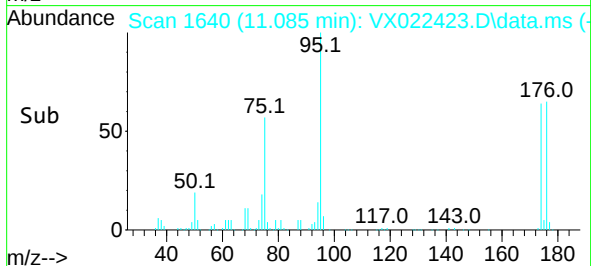
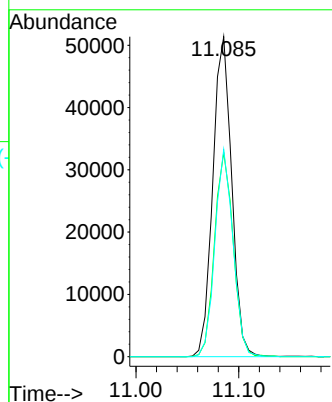
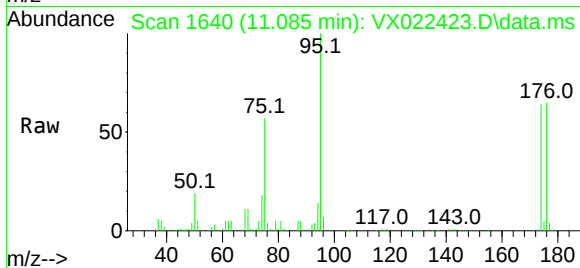




#62
4-Bromofluorobenzene
Concen: 48.792 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

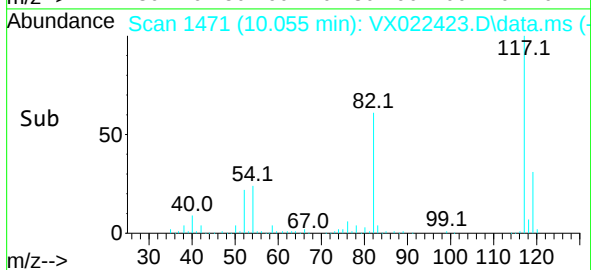
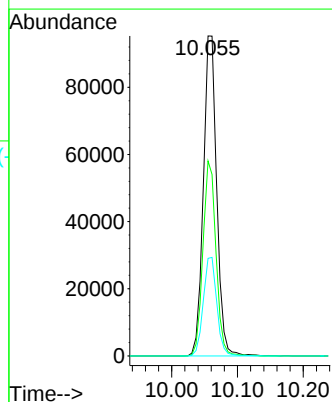
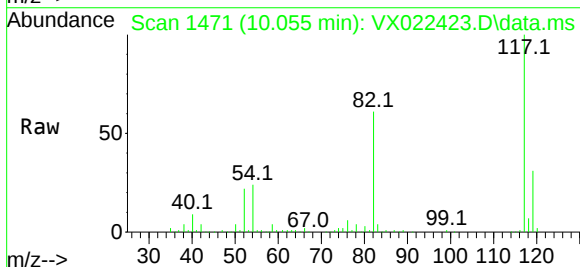
Instrument :
MSVOA_X
ClientSampleId :

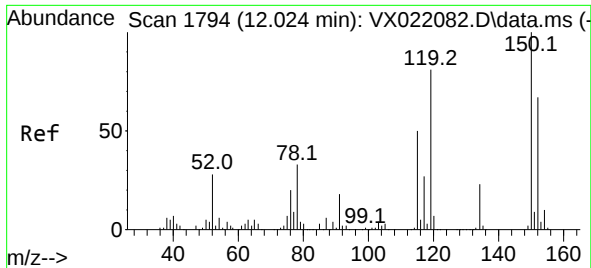
Tgt Ion: 95 Resp: 65458
Ion Ratio Lower Upper
95 100
174 63.2 0.0 154.6
176 62.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 117 Resp: 134715
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 30.5 26.6 39.8

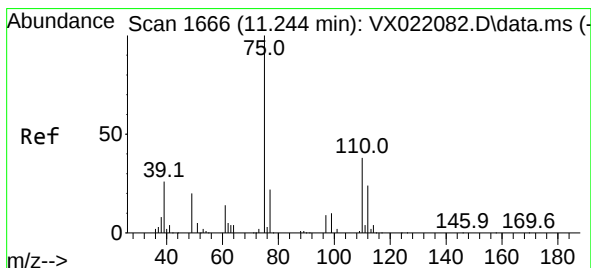
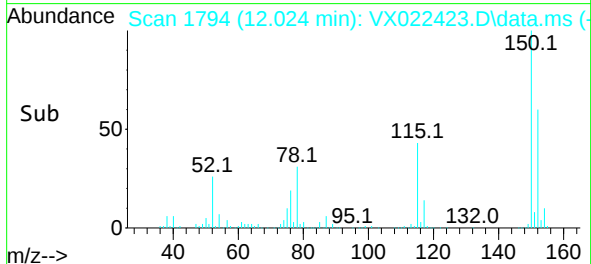
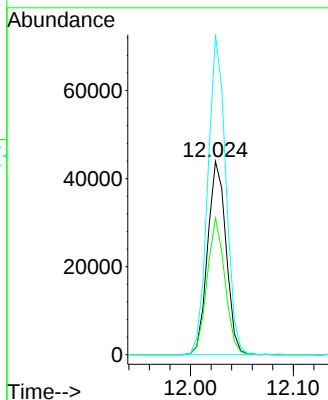
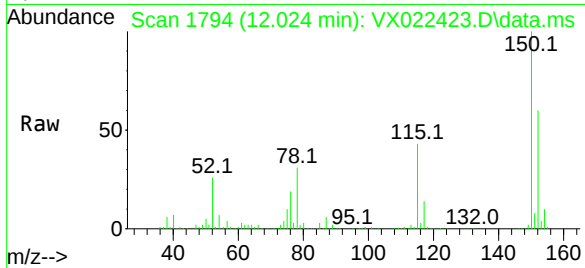




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

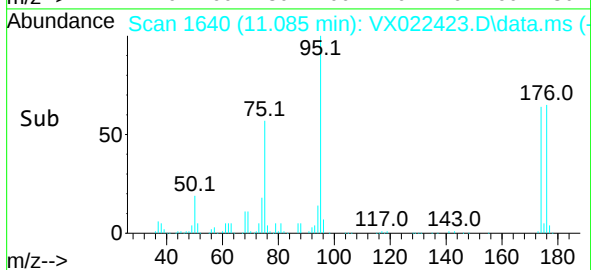
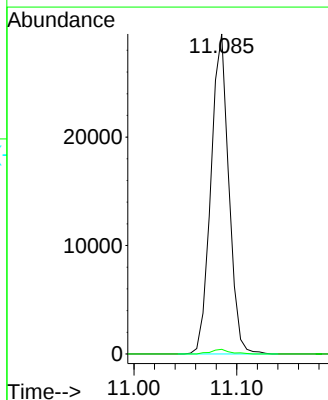
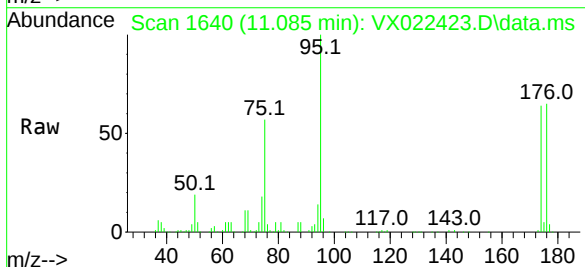
Instrument :
MSVOA_X
ClientSampleId :

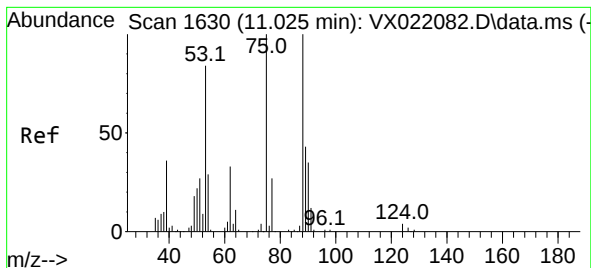
Tgt Ion:152 Resp: 54521
Ion Ratio Lower Upper
152 100
115 68.6 41.1 123.3
150 161.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.461 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 75 Resp: 35591
Ion Ratio Lower Upper
75 100
77 1.5 19.1 57.5#

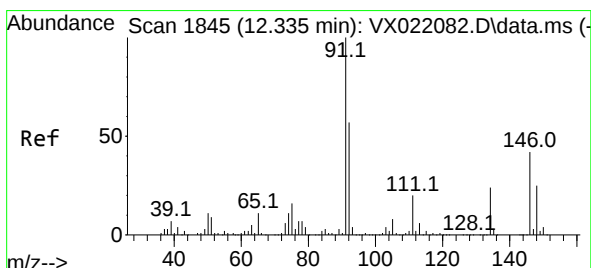
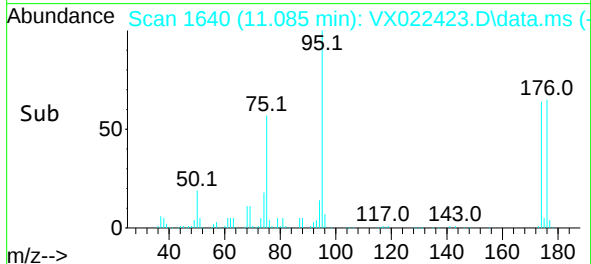
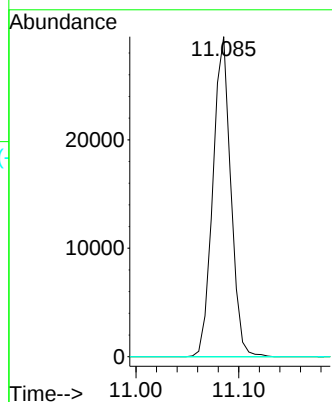
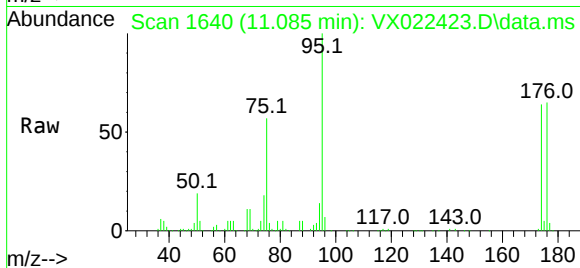




#81
trans-1,4-Dichloro-2-butene
Concen: 62.695 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 35591
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#89
n-Butylbenzene
Concen: 0.263 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX022423.D
Acq: 04 Jun 2021 19:22

Tgt Ion: 91 Resp: 959
Ion Ratio Lower Upper
91 100
92 8.6 27.4 82.0#
134 9.9 13.2 39.5#

