

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026215.D
 Acq On : 03 Jan 2022 13:19
 Operator : JC/MD
 Sample : M5241-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

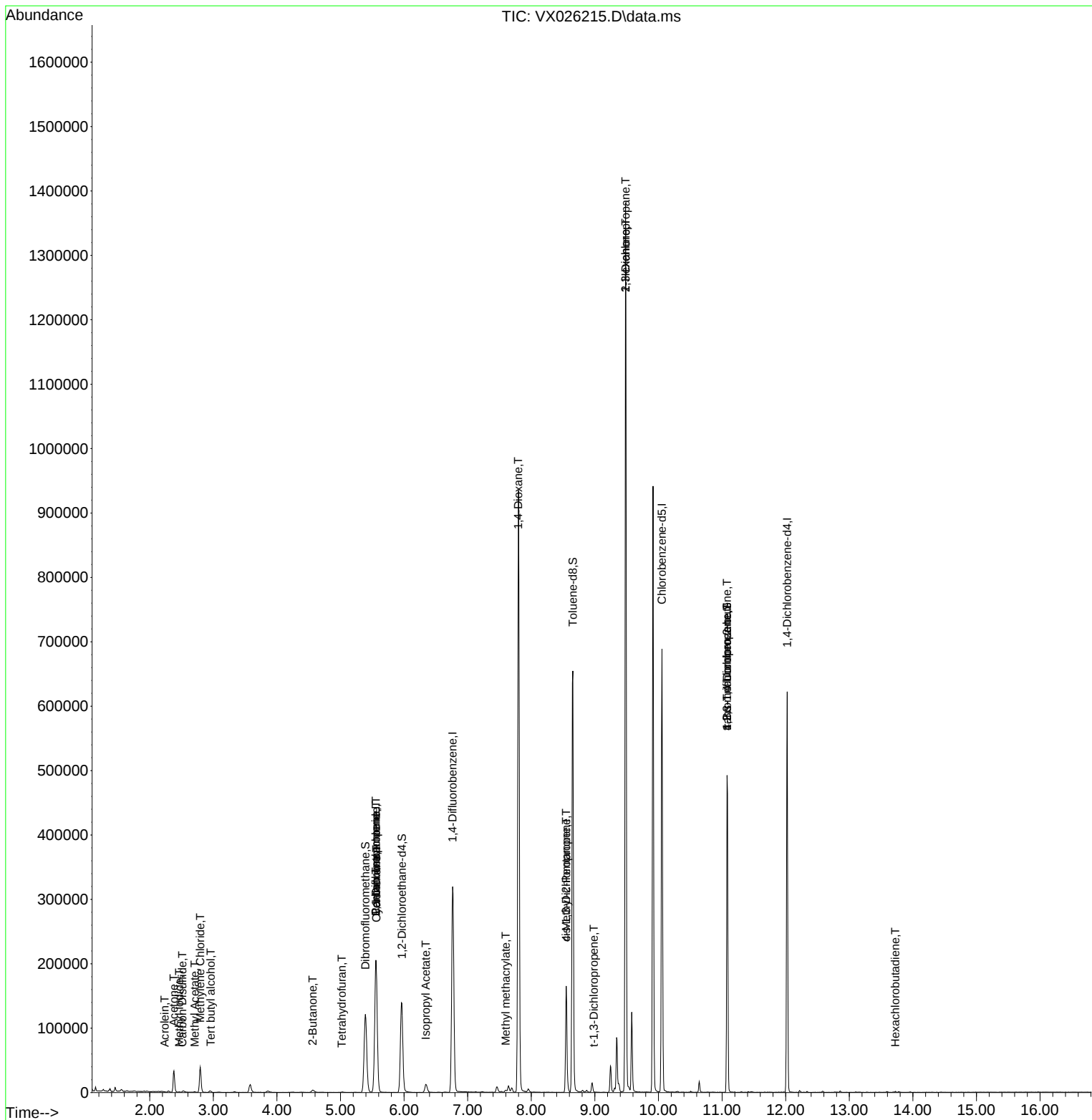
Quant Time: Jan 03 15:37:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

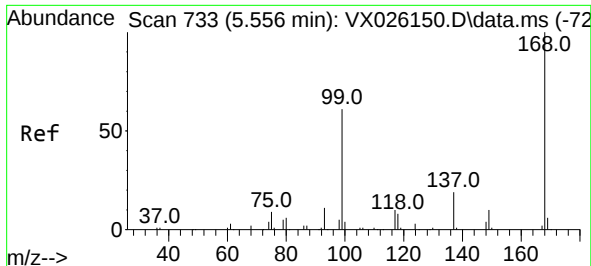
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	182546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	315638	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	139216	52.715	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 105.440%		
35) Dibromofluoromethane	5.391	113	104503	50.926	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.860%		
50) Toluene-d8	8.653	98	372382	48.786	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.580%		
62) 4-Bromofluorobenzene	11.079	95	126715	46.634	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.260%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	574	0.208	ug/l #	73
11) Tert butyl alcohol	2.959	59	1641	3.111	ug/l #	73
13) Acrolein	2.233	56	159	0.843	ug/l	88
16) Acetone	2.379	43	36205	25.303	ug/l	94
17) Carbon Disulfide	2.514	76	1330	0.229	ug/l #	75
18) Methyl Acetate	2.709	43	1283	0.276	ug/l #	81
20) Methylene Chloride	2.794	84	16579	6.423	ug/l	88
25) 2-Butanone	4.562	43	4814	2.415	ug/l #	83
29) Tetrahydrofuran	5.019	42	407	0.324	ug/l #	65
31) Cyclohexane	5.562	56	4680	1.244	ug/l #	46
36) 1,1-Dichloropropene	5.556	75	16254	4.911	ug/l #	49
38) Carbon Tetrachloride	5.556	117	19780	5.373	ug/l #	16
43) Isopropyl Acetate	6.342	43	17729	2.835	ug/l	95
48) Methyl methacrylate	7.598	41	4845	1.615	ug/l #	12
49) 1,4-Dioxane	7.793	88	55	0.995	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	59961	15.405	ug/l #	50
53) t-1,3-Dichloropropene	8.982	75	109	1.920	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	23955	6.216	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	11043	2.697	ug/l #	42
59) 2-Hexanone	9.482	43	169379	57.449	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	69378	24.866	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	69378	71.938	ug/l #	10
94) Hexachlorobutadiene	13.725	225	211	0.207	ug/l #	69

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

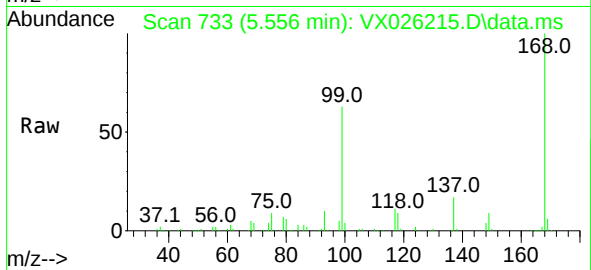
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



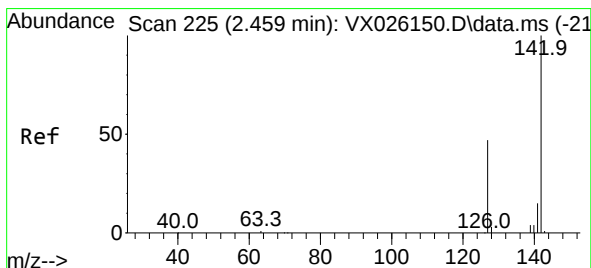
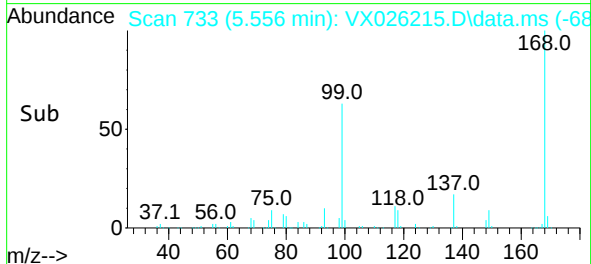
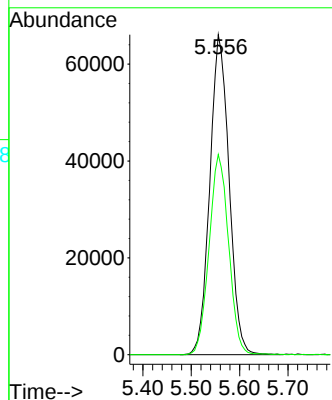


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Instrument :
MSVOA_X
ClientSampleId :

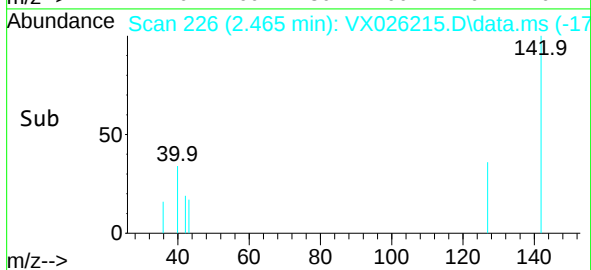
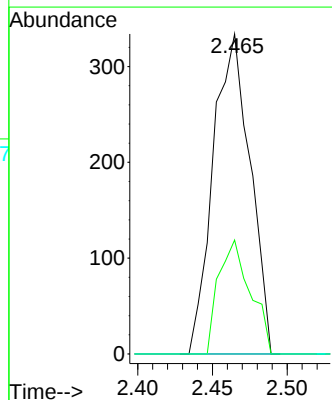
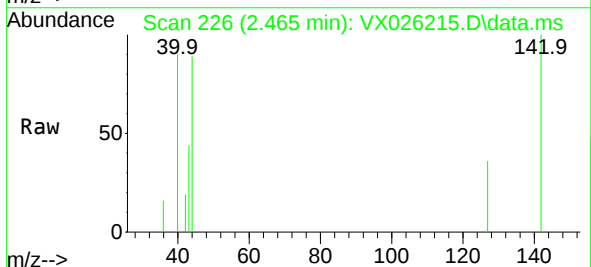


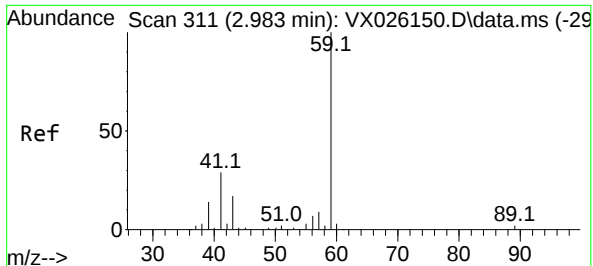
Tgt Ion:168 Resp: 182546
Ion Ratio Lower Upper
168 100
99 62.5 45.8 68.8



#10
Methyl Iodide
Concen: 0.208 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Tgt Ion:142 Resp: 574
Ion Ratio Lower Upper
142 100
127 30.7 37.5 56.3#
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 3.111 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.024 min

Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

Instrument :

MSVOA_X

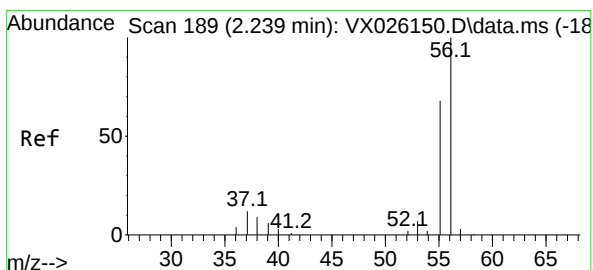
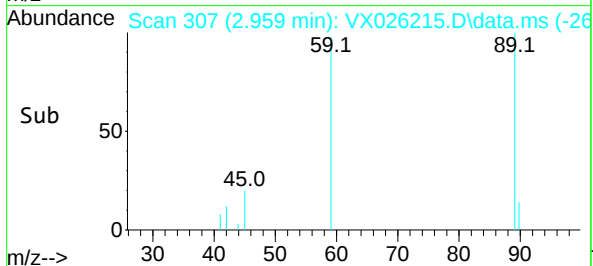
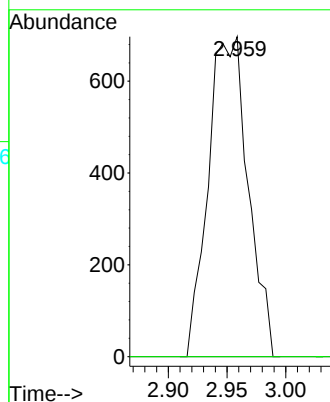
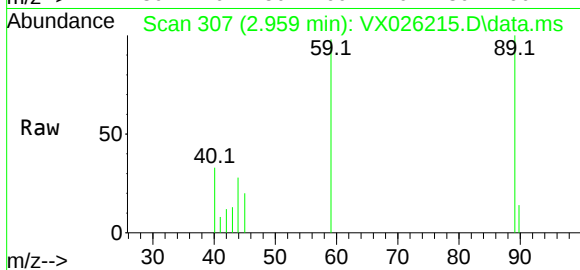
ClientSampleId :

Tgt Ion: 59 Resp: 1641

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.843 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX026215.D

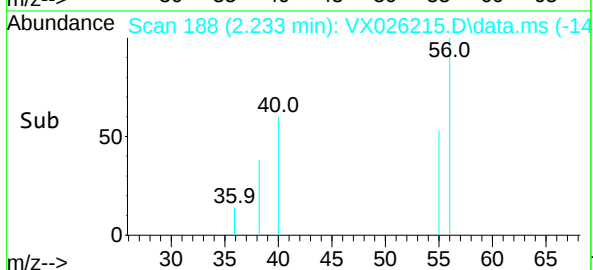
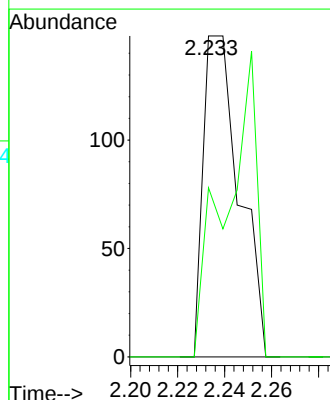
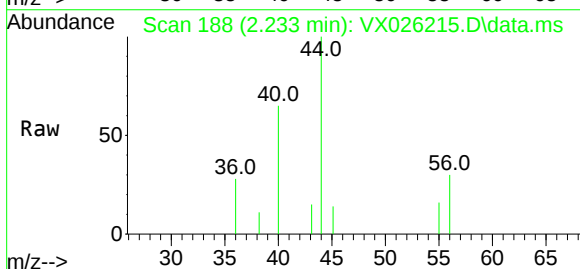
Acq: 03 Jan 2022 13:19

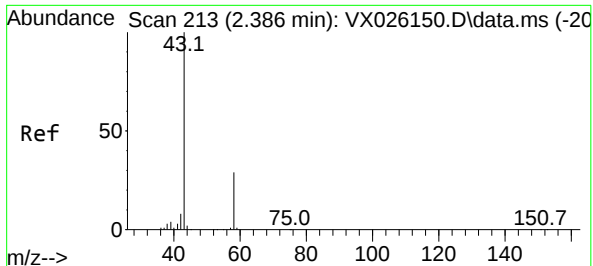
Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 81.8 57.4 86.2

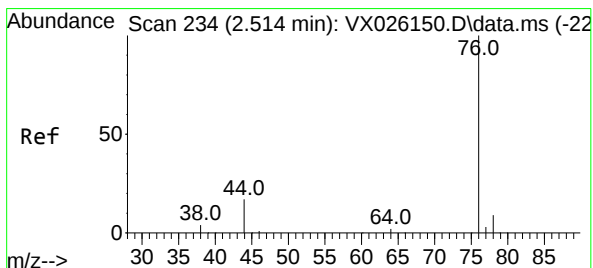
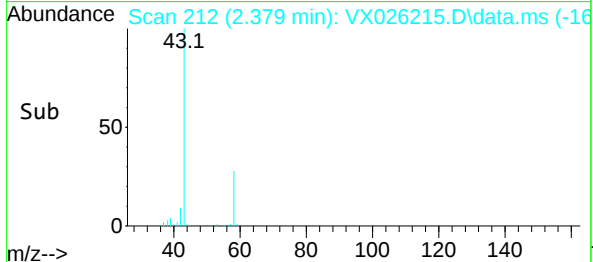
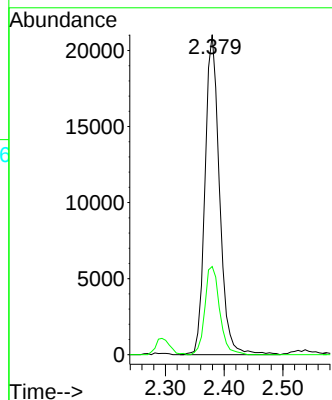
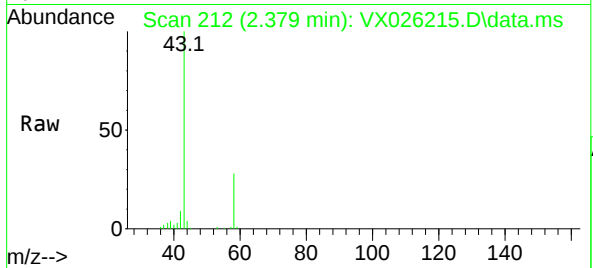




#16
Acetone
Concen: 25.303 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

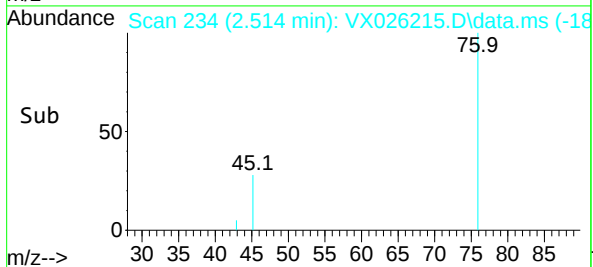
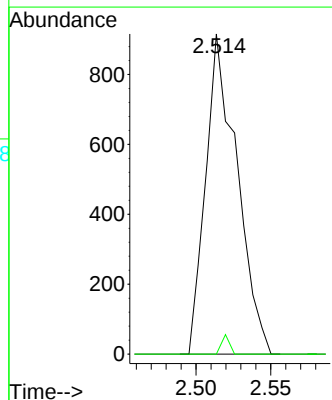
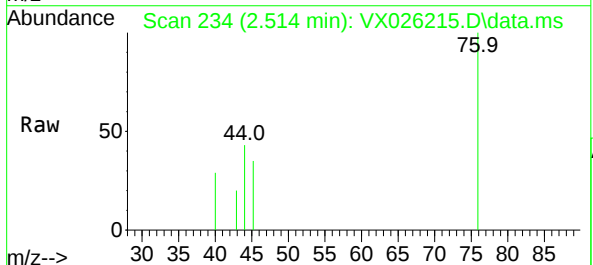
Instrument :
MSVOA_X
ClientSampleId :

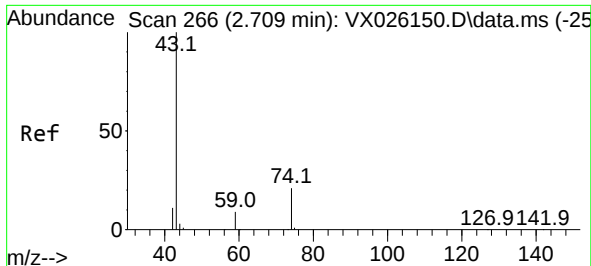
Tgt Ion: 43 Resp: 36205
Ion Ratio Lower Upper
43 100
58 27.6 24.8 37.2



#17
Carbon Disulfide
Concen: 0.229 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Tgt Ion: 76 Resp: 1330
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

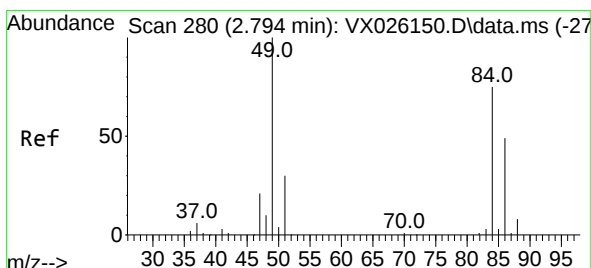
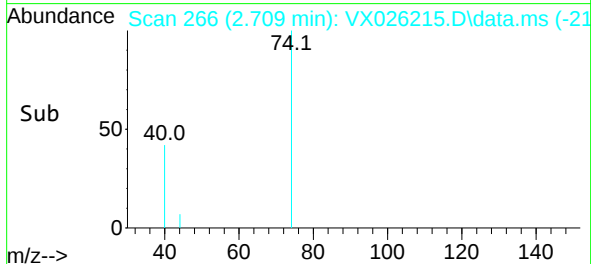
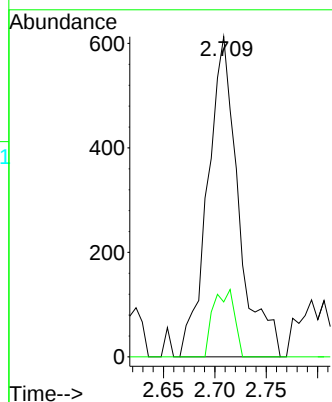
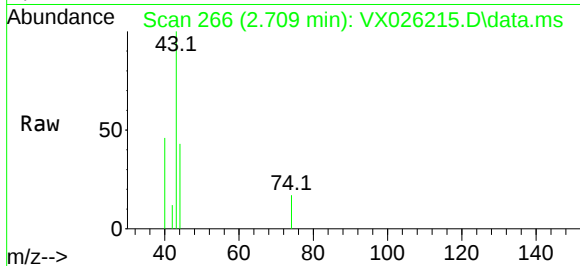




#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

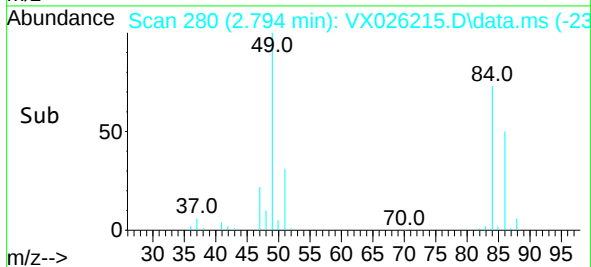
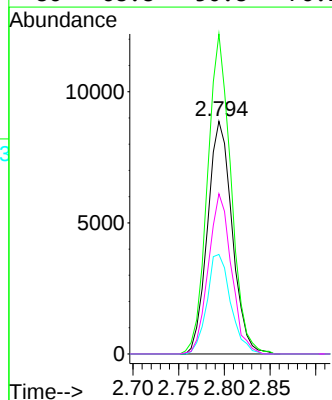
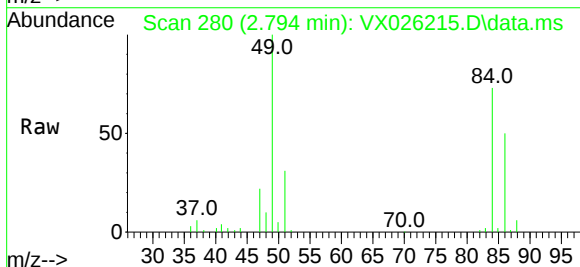
Instrument :
MSVOA_X
ClientSampleId :

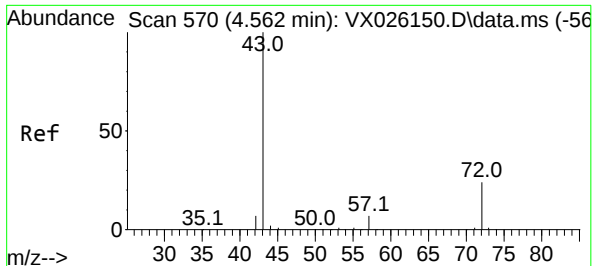
Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
74 14.3 19.1 28.7#



#20
Methylene Chloride
Concen: 6.423 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Tgt Ion: 84 Resp: 16579
Ion Ratio Lower Upper
84 100
49 137.5 97.1 145.7
51 42.8 29.3 43.9
86 68.8 50.8 76.2





#25

2-Butanone

Concen: 2.415 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

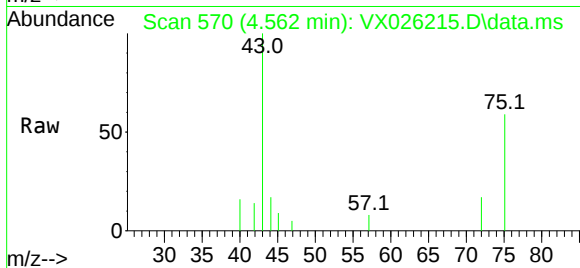
Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :

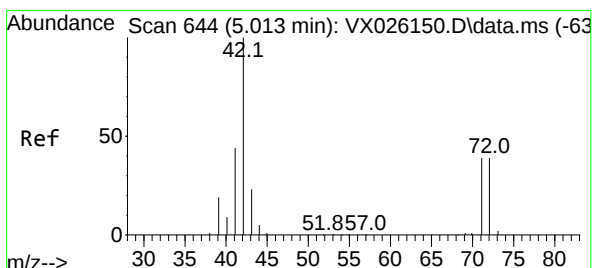
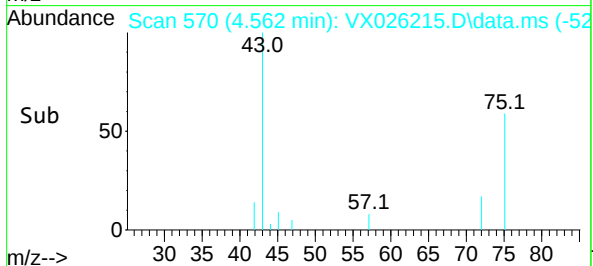
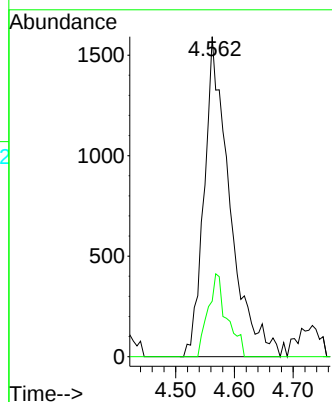


Tgt Ion: 43 Resp: 4814

Ion Ratio Lower Upper

43 100

72 17.3 21.0 31.4#



#29

Tetrahydrofuran

Concen: 0.324 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

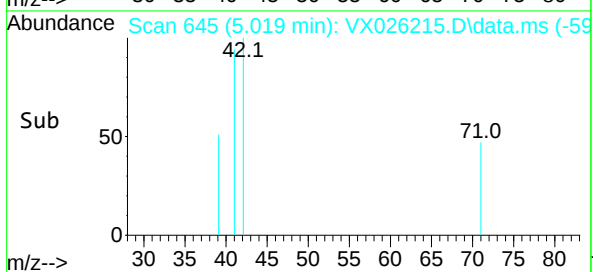
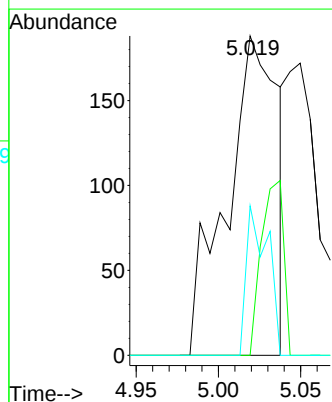
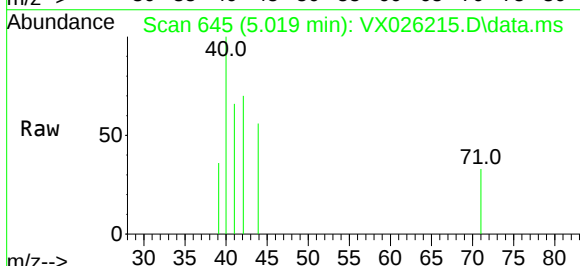
Tgt Ion: 42 Resp: 407

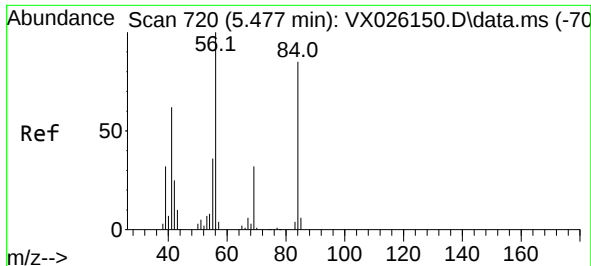
Ion Ratio Lower Upper

42 100

72 23.8 37.0 55.6#

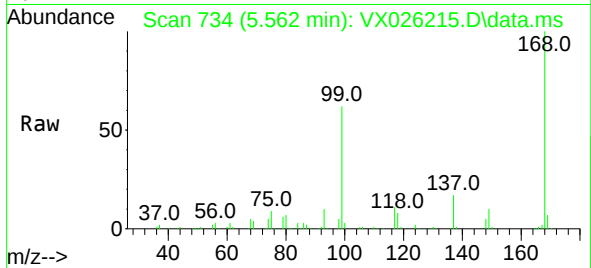
71 19.7 34.1 51.1#



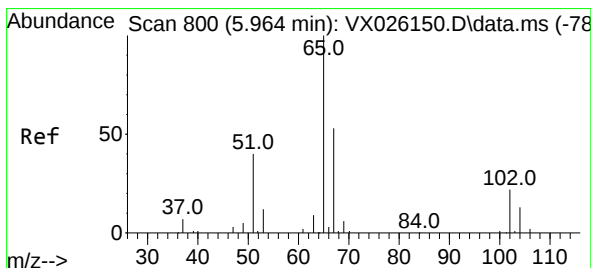
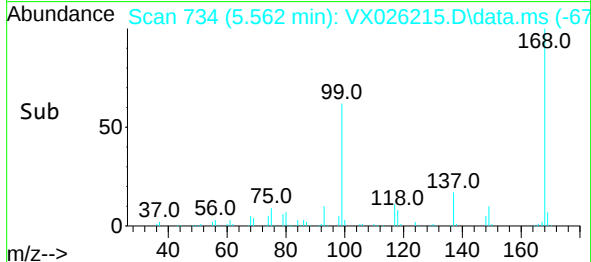
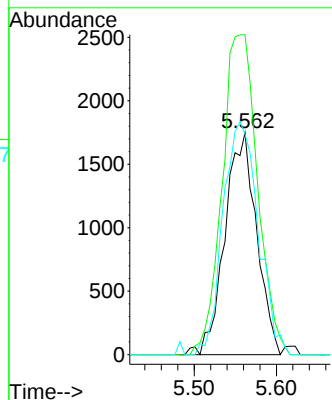


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Instrument :
MSVOA_X
ClientSampleId :

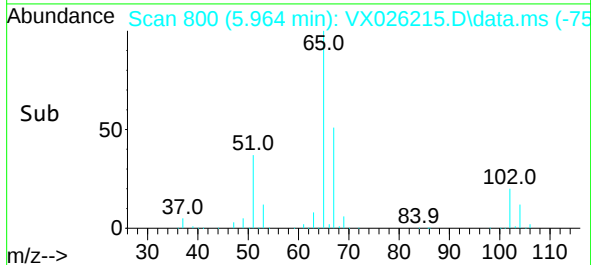
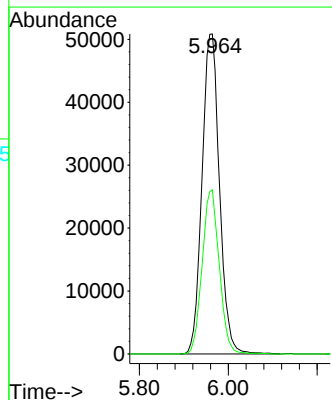
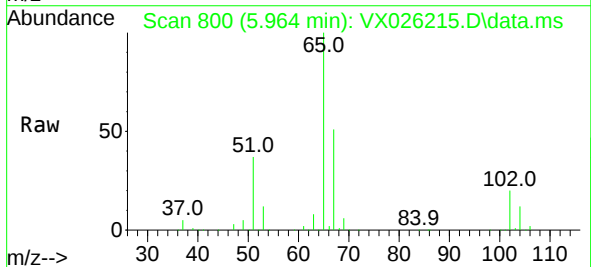


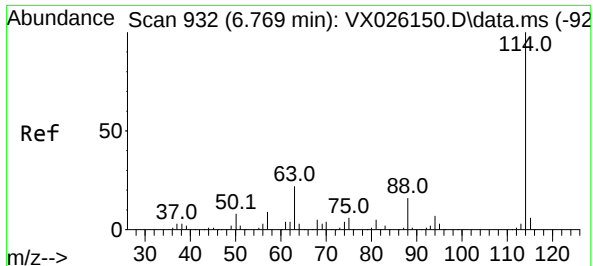
Tgt Ion: 56 Resp: 4680
Ion Ratio Lower Upper
56 100
69 144.1 23.9 35.9#
84 93.4 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 52.715 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Tgt Ion: 65 Resp: 139216
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.4

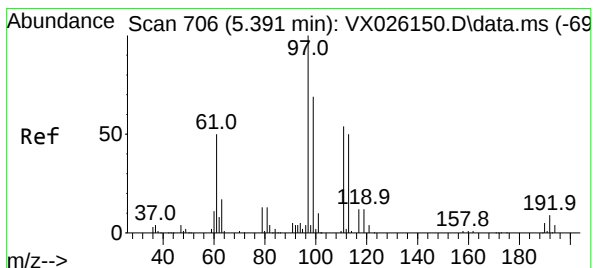
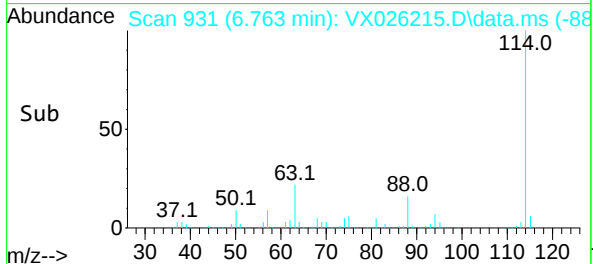
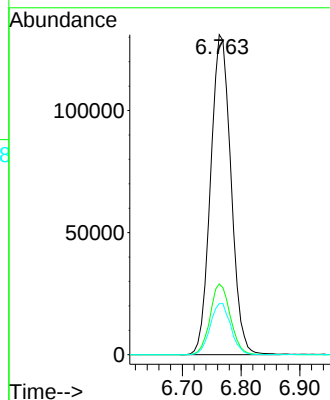
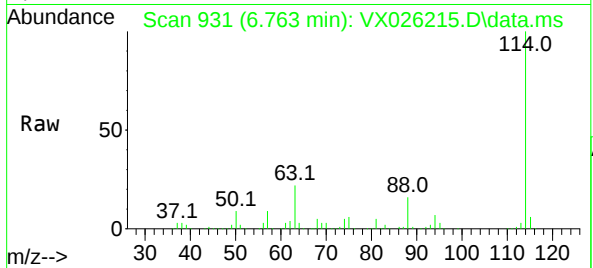




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

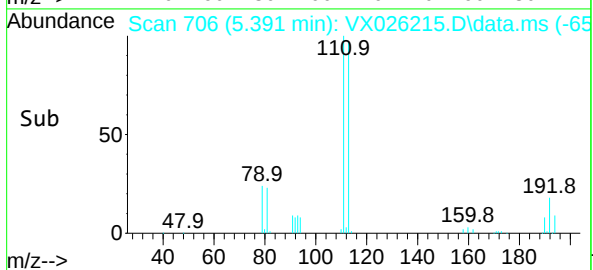
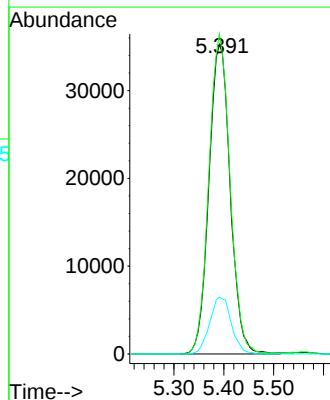
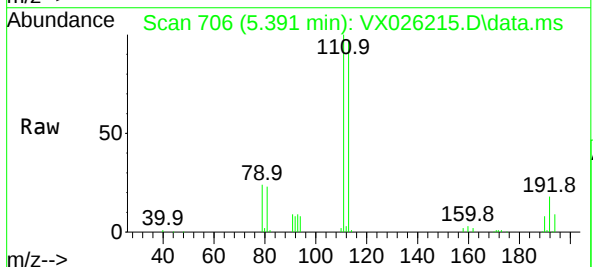
Instrument :
MSVOA_X
ClientSampleId :

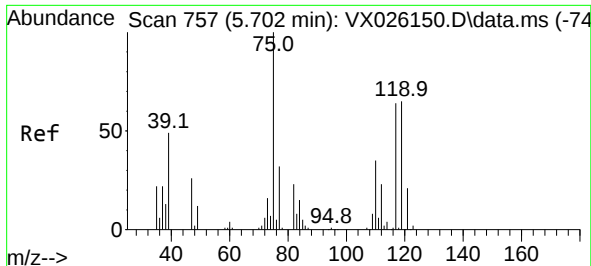
Tgt Ion:114 Resp: 315638
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.0
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.926 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

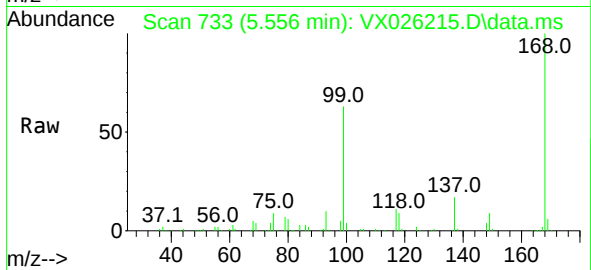
Tgt Ion:113 Resp: 104503
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 18.6 15.0 22.4



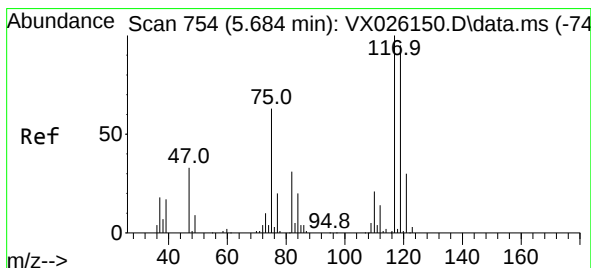
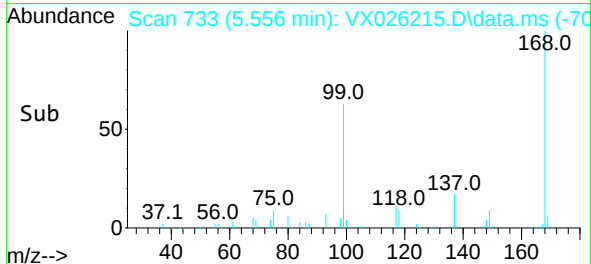
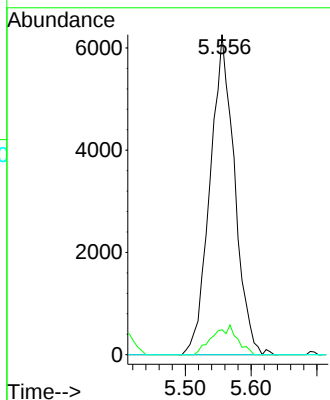


#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 5.556 min Scan# 713
 Delta R.T. -0.146 min
 Lab File: VX026215.D
 Acq: 03 Jan 2022 13:19

Instrument :
 MSVOA_X
 ClientSampleId :

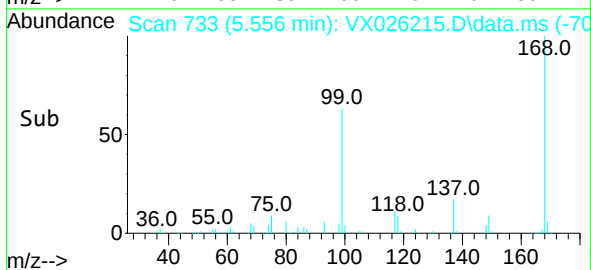
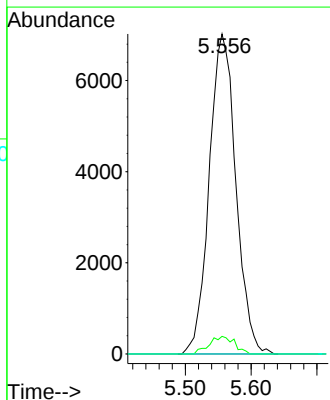
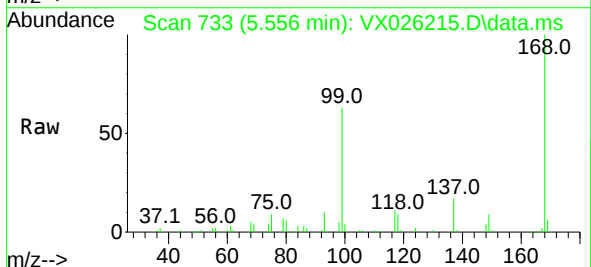


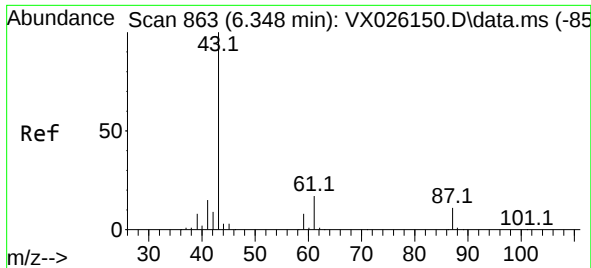
Tgt Ion: 75 Resp: 16254
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.2 54.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.373 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.128 min
 Lab File: VX026215.D
 Acq: 03 Jan 2022 13:19

Tgt Ion: 117 Resp: 19780
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.2 115.8#
 121 0.0 23.8 35.8#

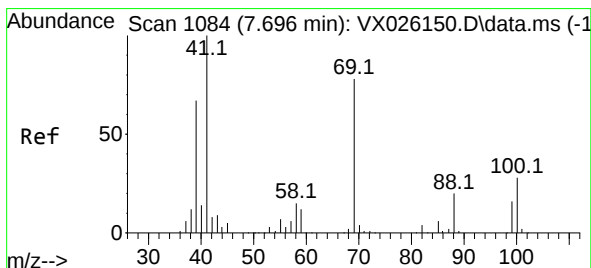
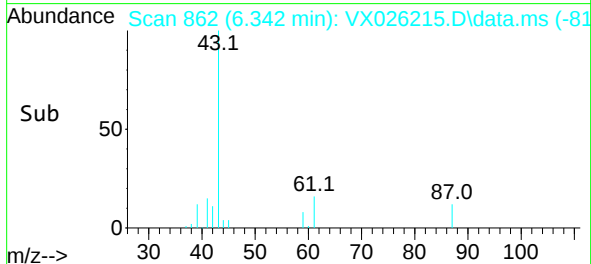
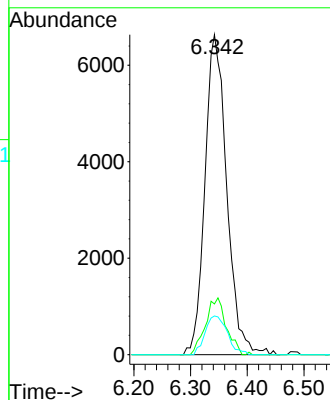
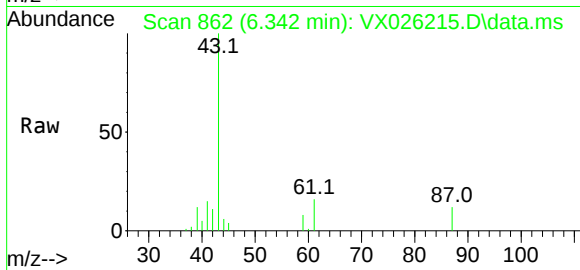




#43
Isopropyl Acetate
Concen: 2.835 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

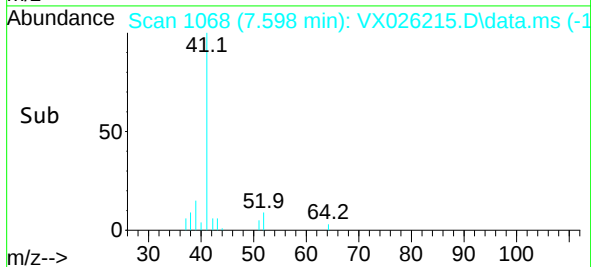
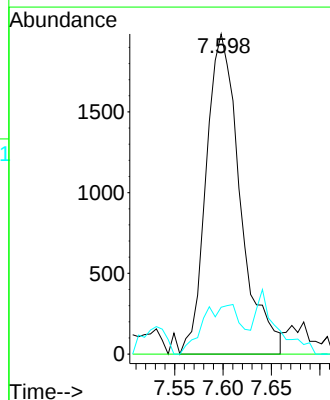
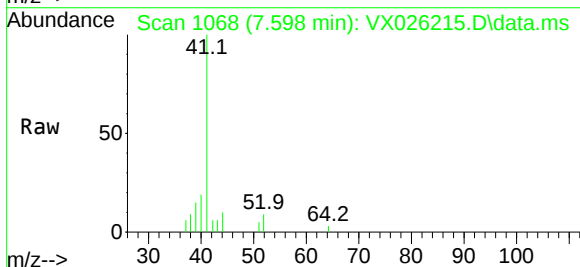
Instrument :
MSVOA_X
ClientSampleId :

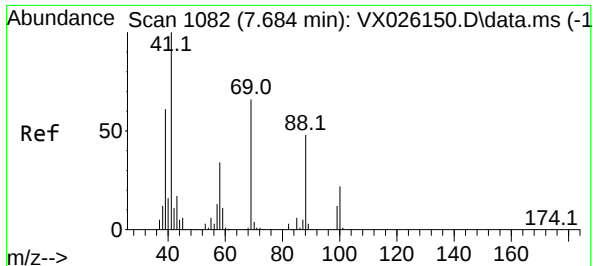
Tgt Ion: 43 Resp: 17729
Ion Ratio Lower Upper
43 100
61 16.8 15.7 23.5
87 12.3 11.2 16.8



#48
Methyl methacrylate
Concen: 1.615 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Tgt Ion: 41 Resp: 4845
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 0.995 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.109 min

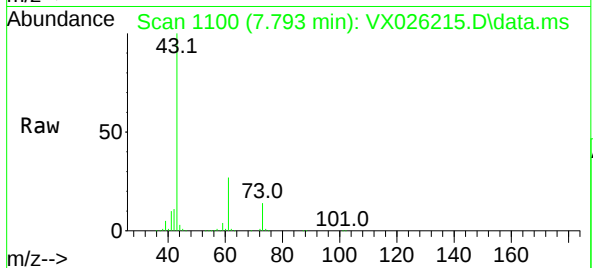
Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :



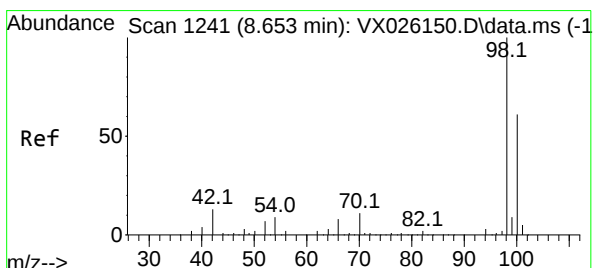
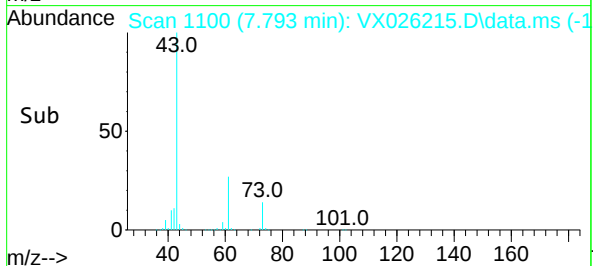
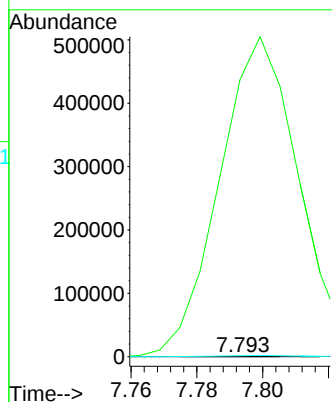
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 1557729.1 25.3 37.9#

58 6020.0 51.8 77.6#



#50

Toluene-d8

Concen: 48.786 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026215.D

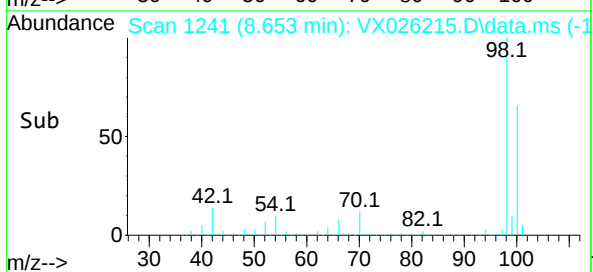
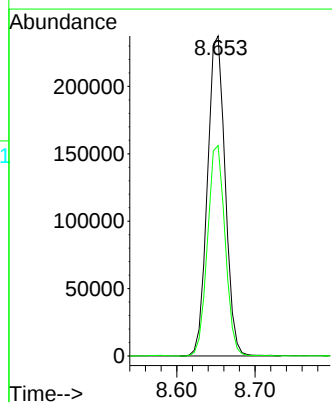
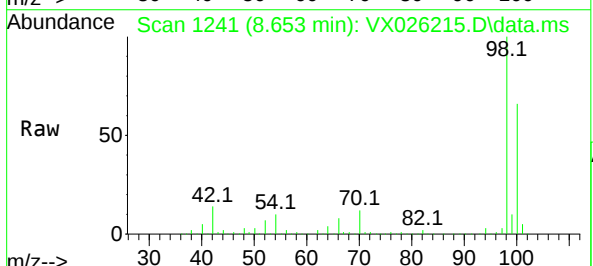
Acq: 03 Jan 2022 13:19

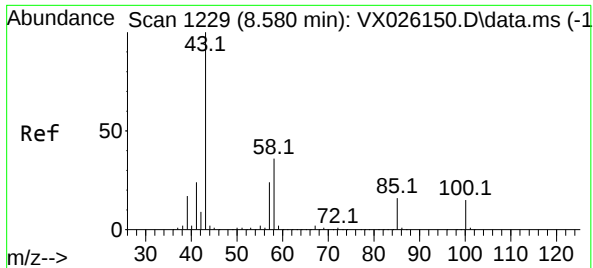
Tgt Ion: 98 Resp: 372382

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8

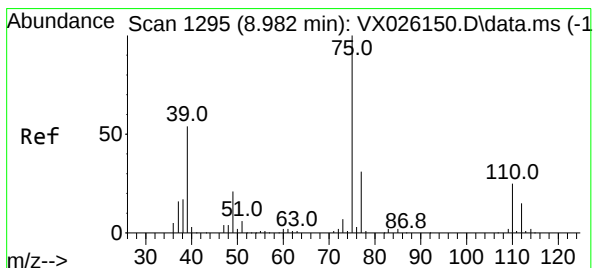
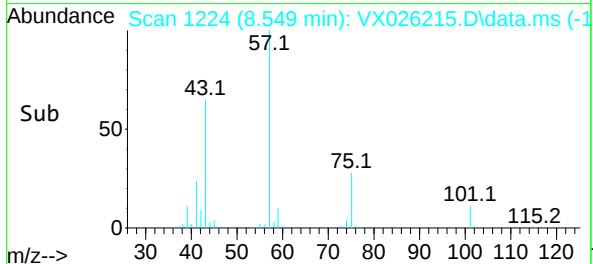
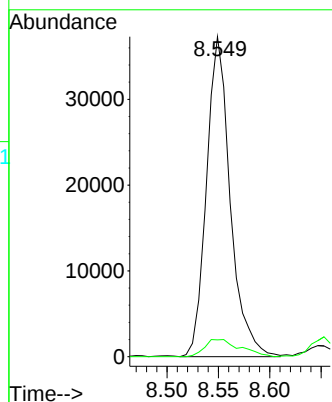
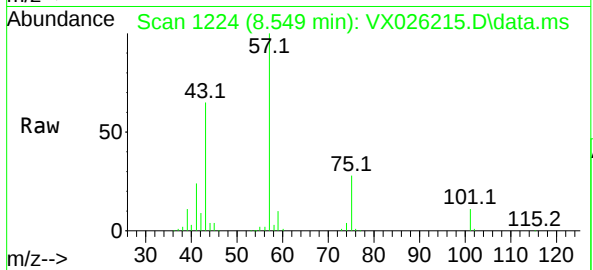




#51
4-Methyl-2-Pentanone
Concen: 15.405 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

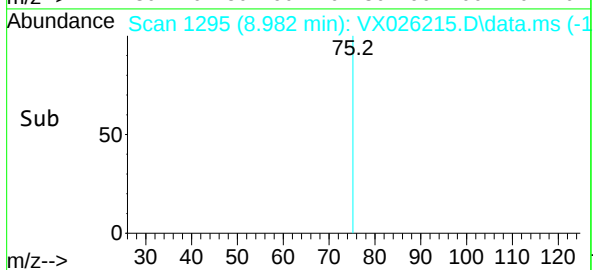
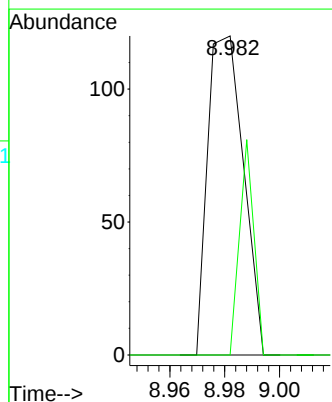
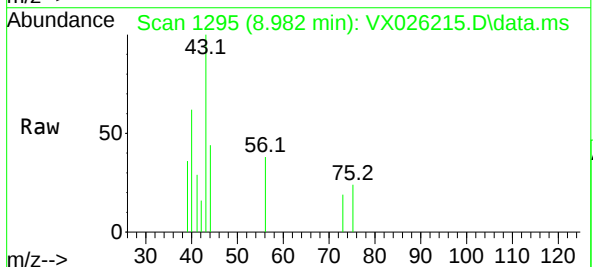
Instrument :
MSVOA_X
ClientSampleId :

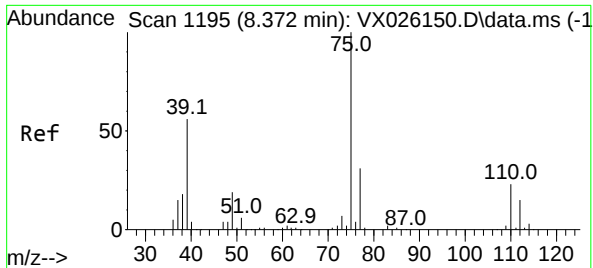
Tgt Ion: 43 Resp: 59961
Ion Ratio Lower Upper
43 100
58 8.0 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 1.920 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Tgt Ion: 75 Resp: 109
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

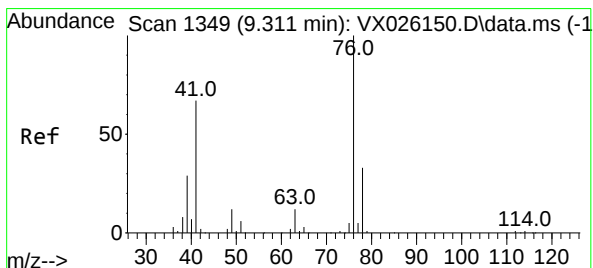
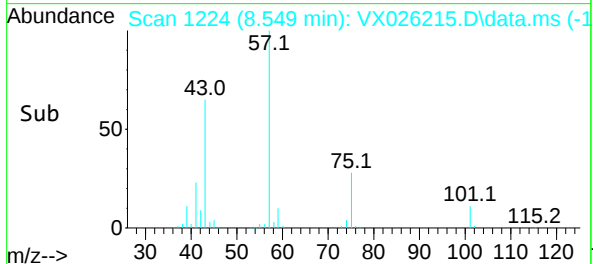
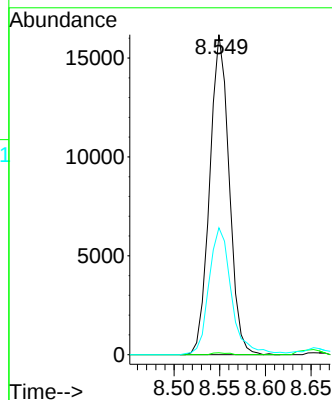
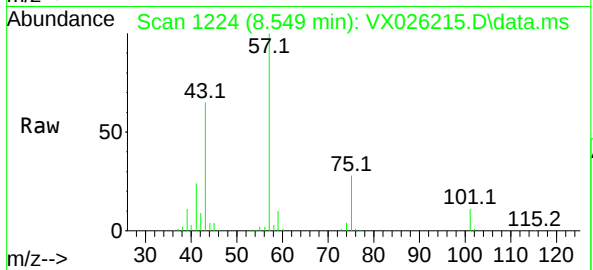




#54
 cis-1,3-Dichloropropene
 Concen: 6.216 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX026215.D
 Acq: 03 Jan 2022 13:19

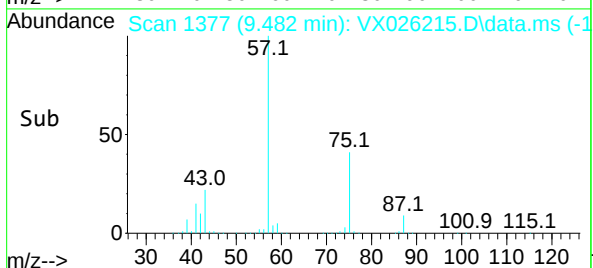
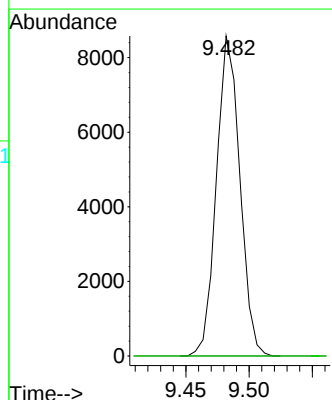
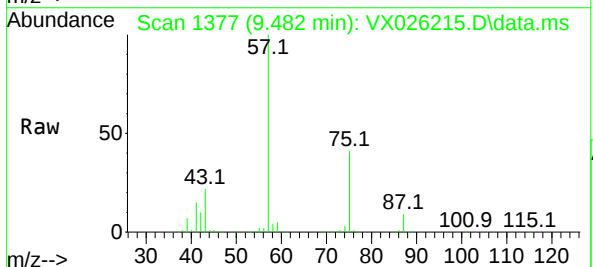
Instrument :
 MSVOA_X
 ClientSampleId :

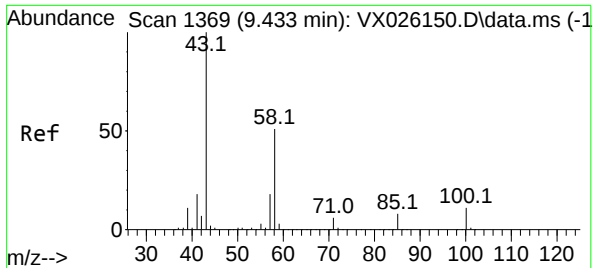
Tgt Ion: 75 Resp: 23955
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 39.7 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 2.697 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026215.D
 Acq: 03 Jan 2022 13:19

Tgt Ion: 76 Resp: 11043
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 57.449 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

Instrument :

MSVOA_X

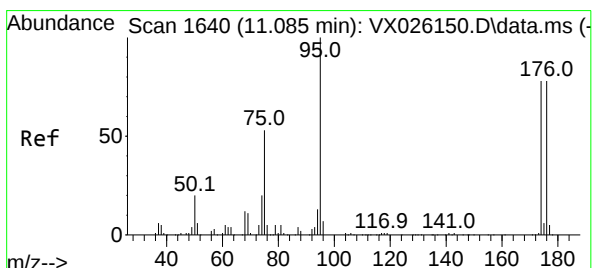
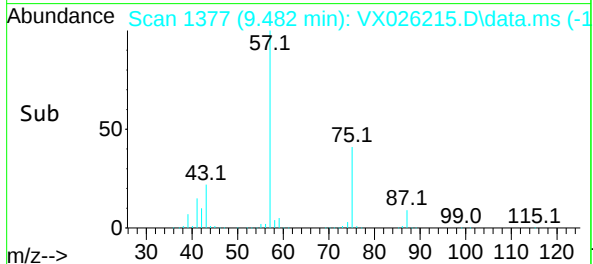
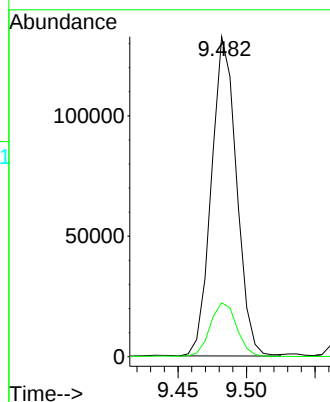
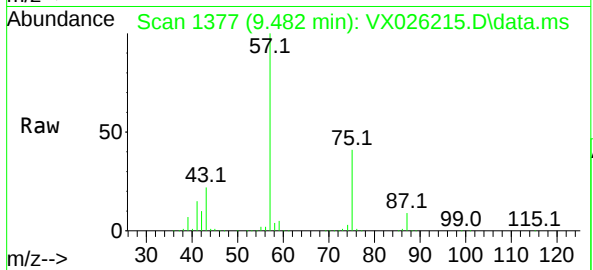
ClientSampleId :

Tgt Ion: 43 Resp: 169379

Ion Ratio Lower Upper

43 100

58 17.8 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 46.634 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

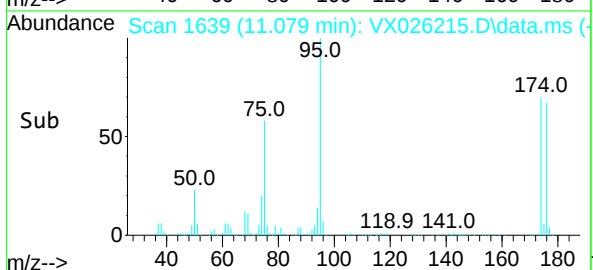
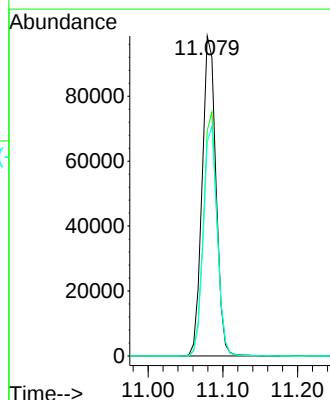
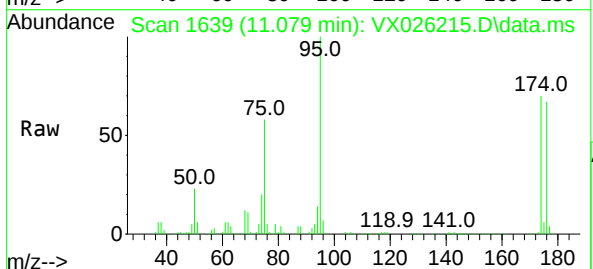
Tgt Ion: 95 Resp: 126715

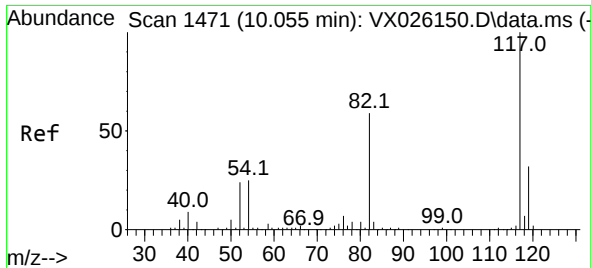
Ion Ratio Lower Upper

95 100

174 74.9 0.0 157.4

176 71.9 0.0 154.6

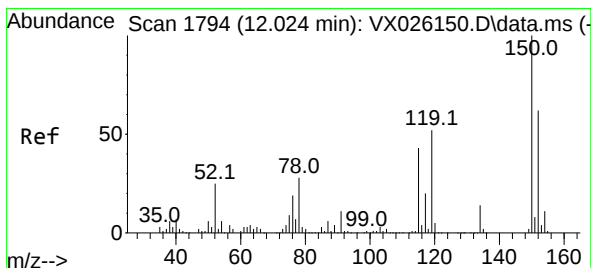
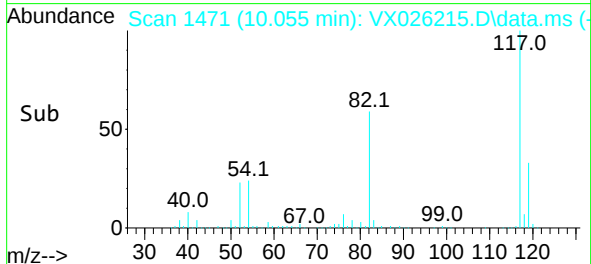
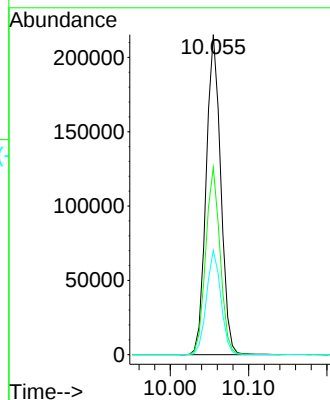
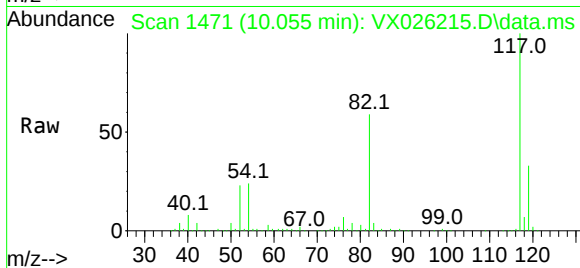




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

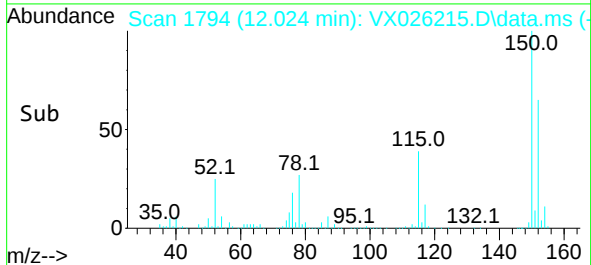
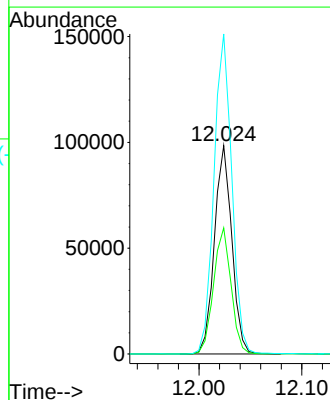
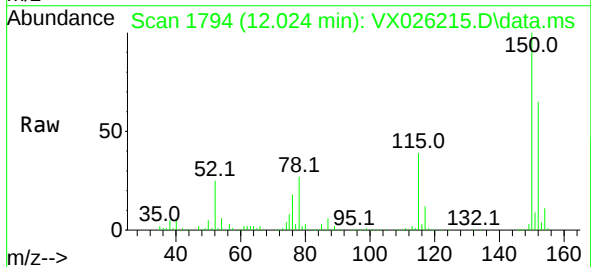
Instrument :
MSVOA_X
ClientSampleId :

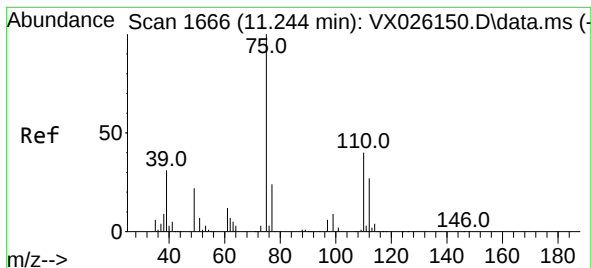
Tgt Ion:117 Resp: 277319
Ion Ratio Lower Upper
117 100
82 58.5 43.8 65.6
119 32.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026215.D
Acq: 03 Jan 2022 13:19

Tgt Ion:152 Resp: 115590
Ion Ratio Lower Upper
152 100
115 60.9 41.3 123.9
150 157.4 0.0 351.8





#76

1,2,3-Trichloropropane

Concen: 24.866 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

Instrument :

MSVOA_X

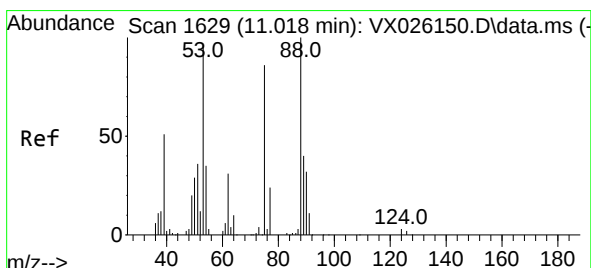
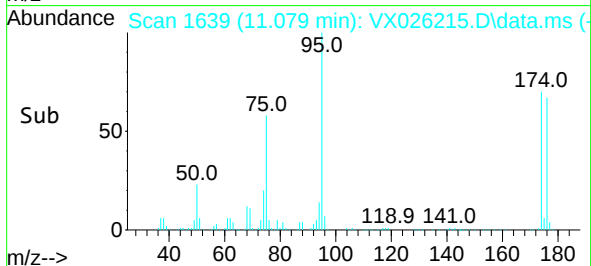
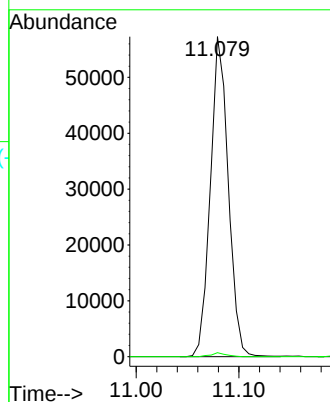
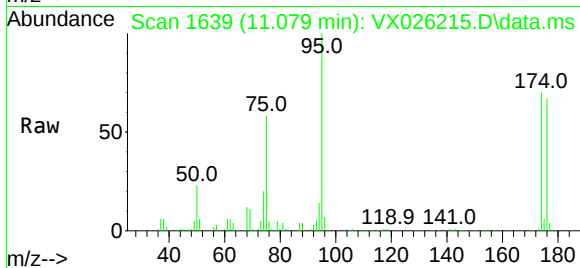
ClientSampleId :

Tgt Ion: 75 Resp: 69378

Ion Ratio Lower Upper

75 100

77 1.0 19.0 57.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.938 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX026215.D

Acq: 03 Jan 2022 13:19

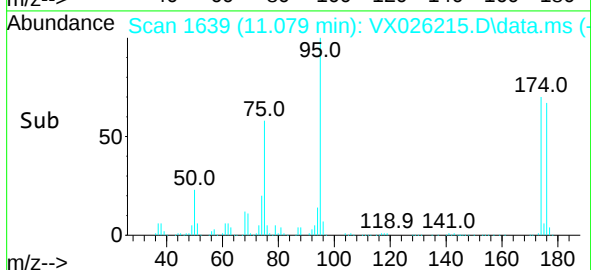
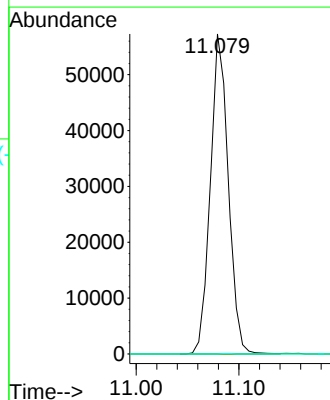
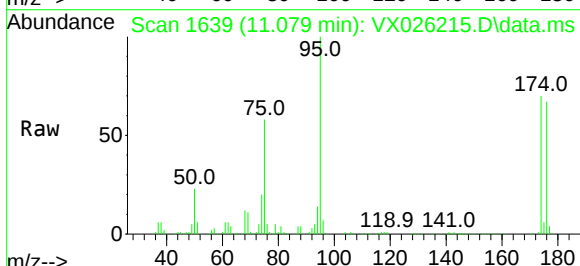
Tgt Ion: 75 Resp: 69378

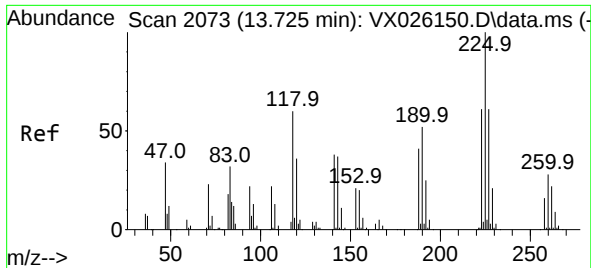
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

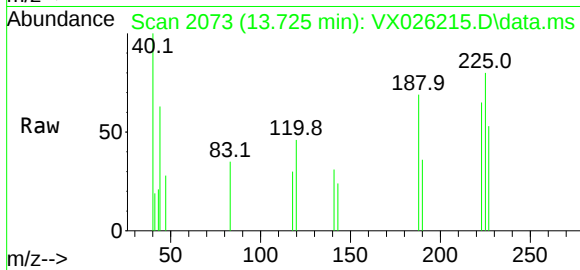
89 0.1 38.3 57.5#





#94
 Hexachlorobutadiene
 Concen: 0.207 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX026215.D
 Acq: 03 Jan 2022 13:19

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	211
Ion	Ratio	Lower	Upper
225	100		
223	73.9	31.6	95.0
227	103.3	32.5	97.5#

