

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025893.D
 Acq On : 17 Dec 2021 18:15
 Operator : JC/MD
 Sample : PB141495ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 02:33:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

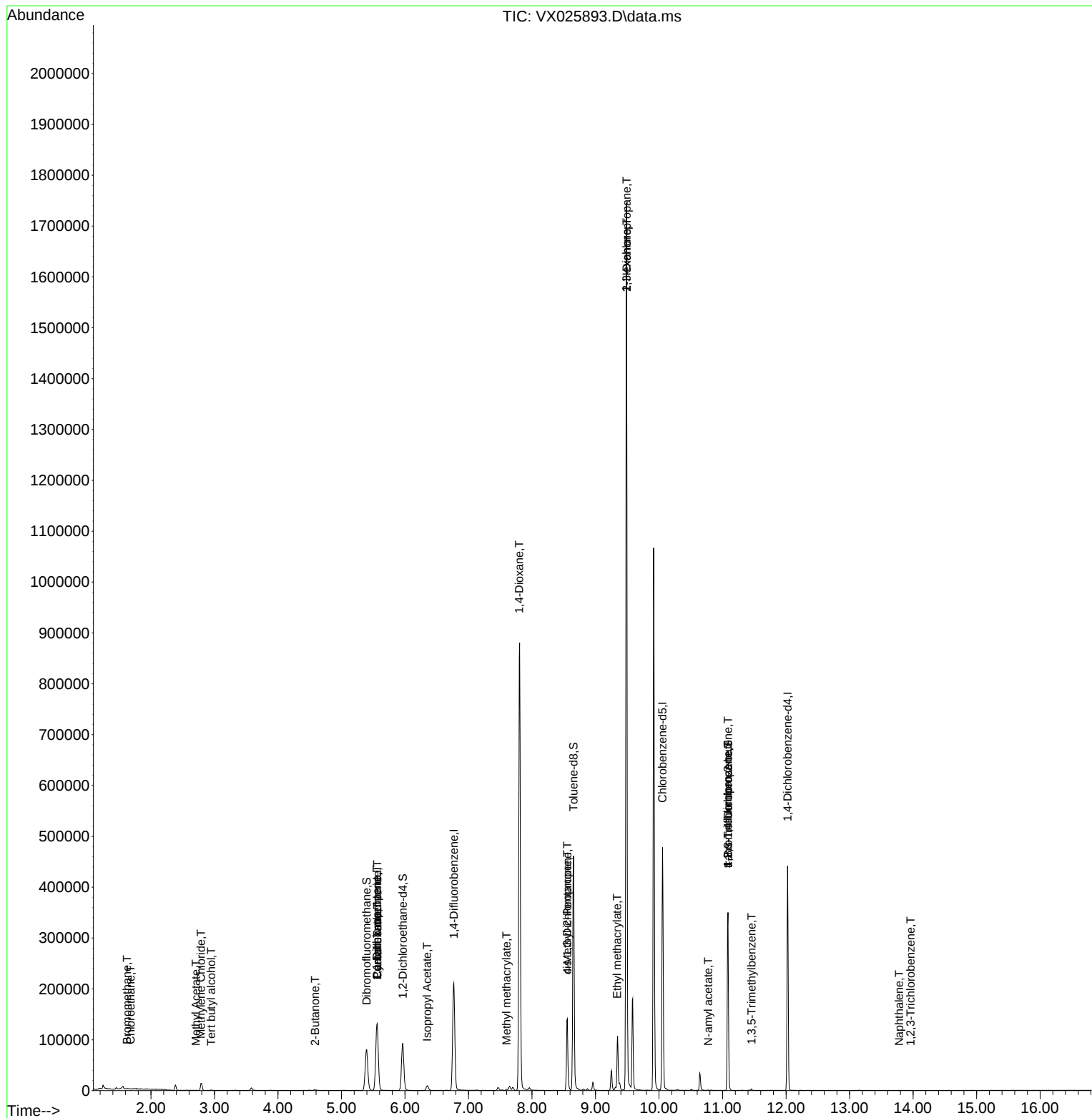
Internal Standards						
1) Pentafluorobenzene	5.562	168	120852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216285	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	88360	50.815	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.640%		
35) Dibromofluoromethane	5.397	113	70293	46.601	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 93.200%		
50) Toluene-d8	8.653	98	270346	49.191	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.380%		
62) 4-Bromofluorobenzene	11.085	95	94104	45.076	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 90.160%		
Target Compounds						
						Qvalue
5) Bromomethane	1.624	94	494	0.462	ug/l	94
6) Chloroethane	1.679	64	437	0.403	ug/l #	82
11) Tert butyl alcohol	2.947	59	583	1.671	ug/l #	73
16) Acetone	2.386	43	11036	Below Cal	#	88
18) Methyl Acetate	2.709	43	691	0.261	ug/l #	64
20) Methylene Chloride	2.788	84	6564	2.096	ug/l	95
25) 2-Butanone	4.587	43	2078	1.777	ug/l #	79
31) Cyclohexane	5.562	56	2922	1.382	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	10760	5.260	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13400	5.630	ug/l #	16
43) Isopropyl Acetate	6.348	43	12793	3.494	ug/l	96
48) Methyl methacrylate	7.598	41	4126	2.393	ug/l #	12
49) 1,4-Dioxane	7.799	88	141	3.746	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	48991	20.439	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	22047	8.958	ug/l #	66
56) Ethyl methacrylate	9.342	69	759	0.317	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	14413	5.270	ug/l #	42
59) 2-Hexanone	9.488	43	202783	111.660	ug/l #	52
74) N-amyl acetate	10.774	43	591	0.233	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	48128	24.174	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1168	0.223	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	48128	74.944	ug/l #	10
95) Naphthalene	13.780	128	132	2.433	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.963	180	31	3.010	ug/l #	12

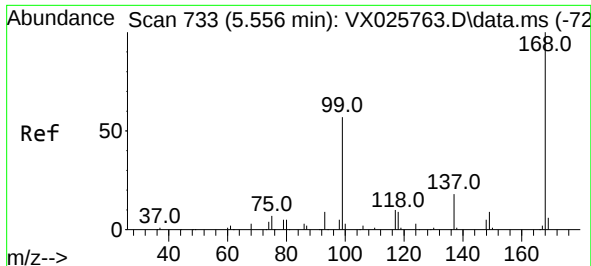
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
Data File : VX025893.D
Acq On : 17 Dec 2021 18:15
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Sample : PB141495ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

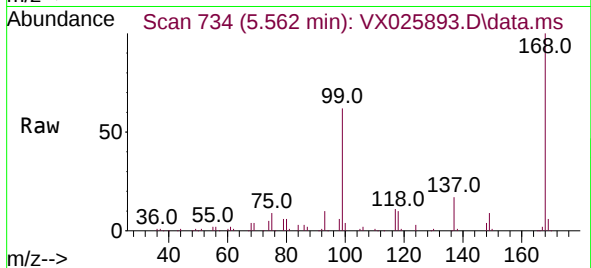
Quant Time: Dec 19 02:33:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
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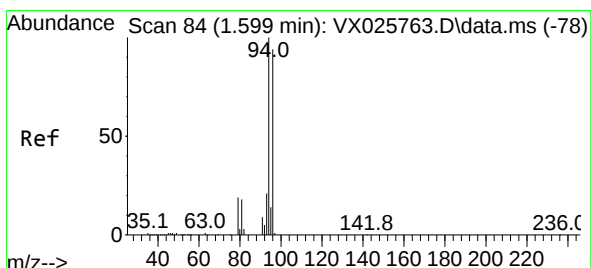
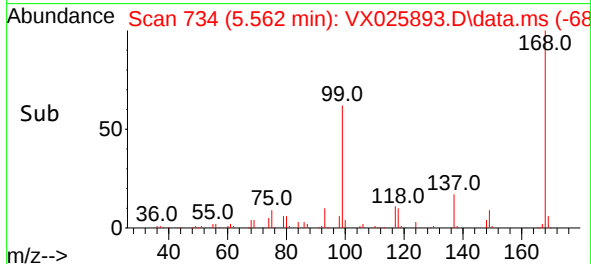
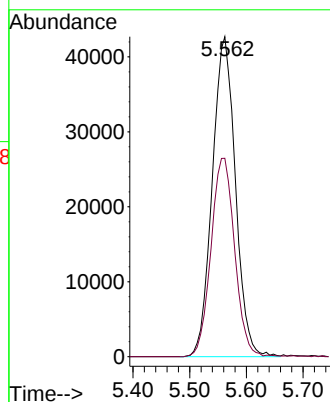


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :

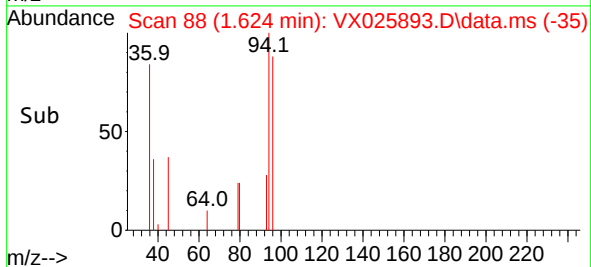
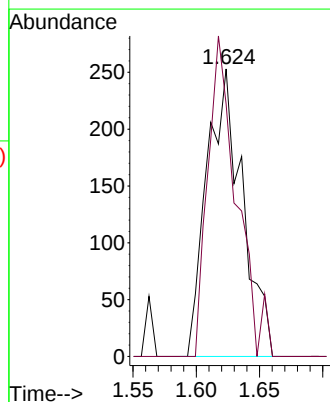
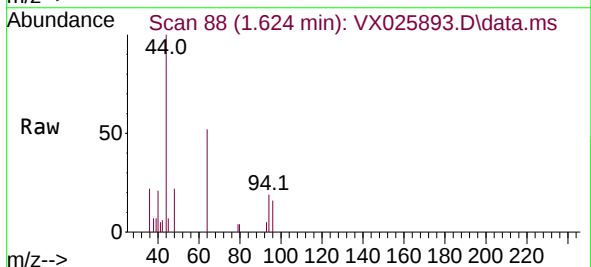


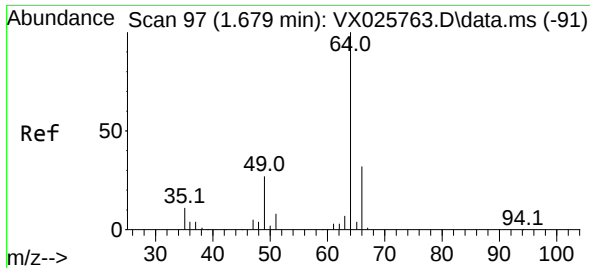
Tgt Ion:168 Resp: 120852
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.8



#5
Bromomethane
Concen: 0.462 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion: 94 Resp: 494
Ion Ratio Lower Upper
94 100
96 87.7 75.0 112.4

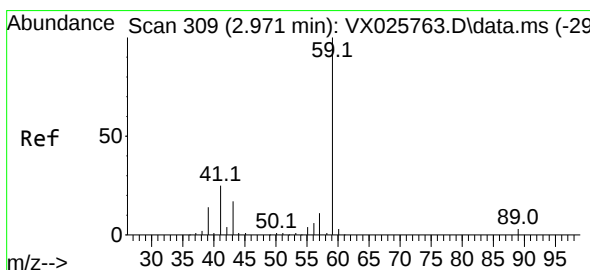
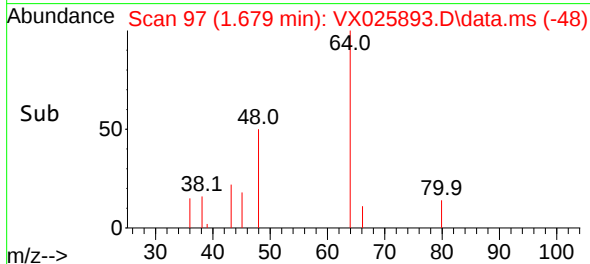
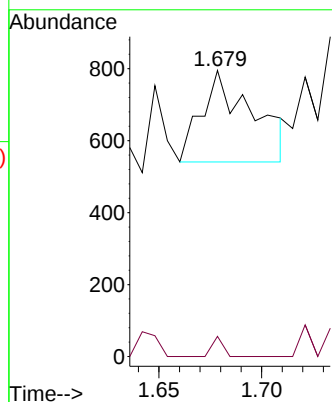
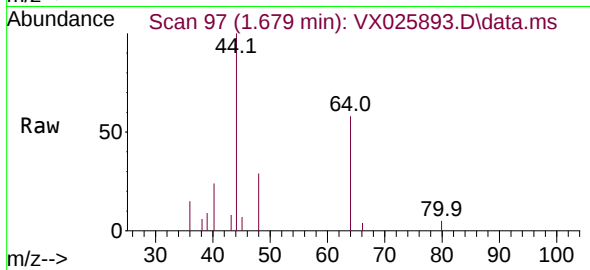




#6
Chloroethane
Concen: 0.403 ug/l
RT: 1.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

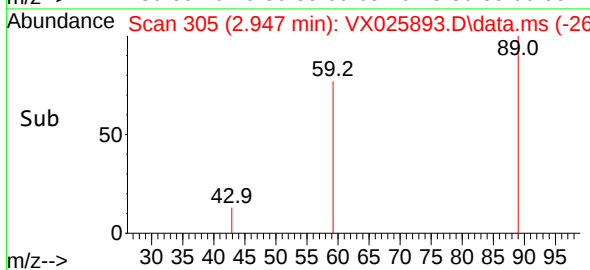
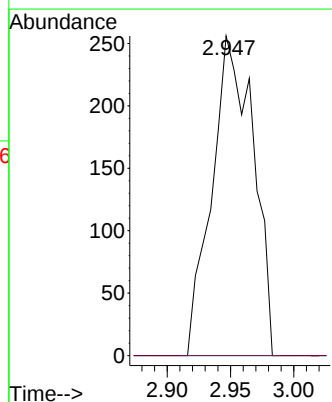
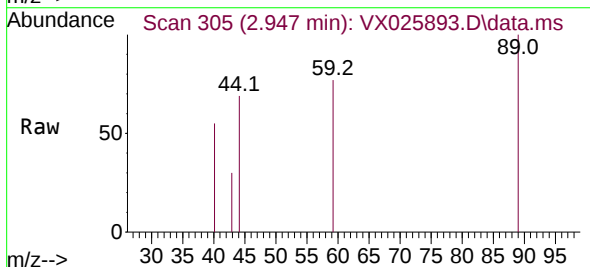
Instrument :
MSVOA_X
ClientSampleId :

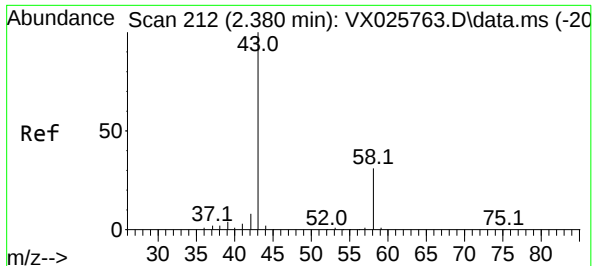
Tgt Ion: 64 Resp: 437
Ion Ratio Lower Upper
64 100
66 22.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 1.671 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion: 59 Resp: 583
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

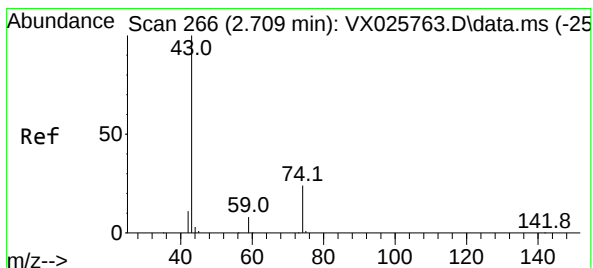
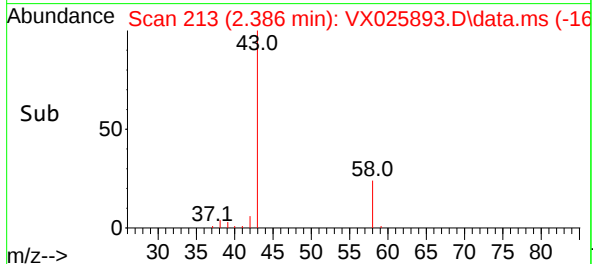
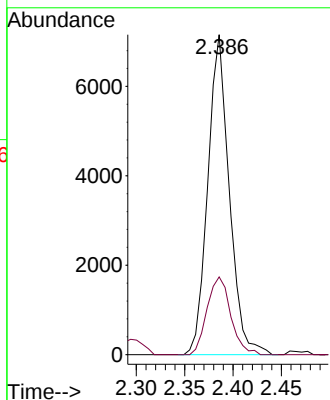
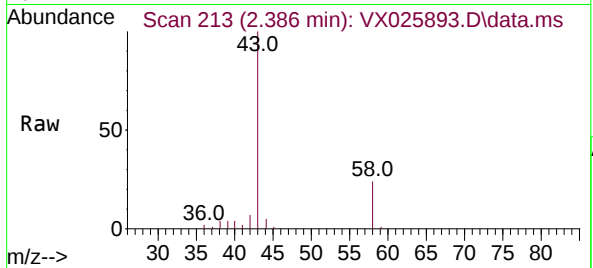




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

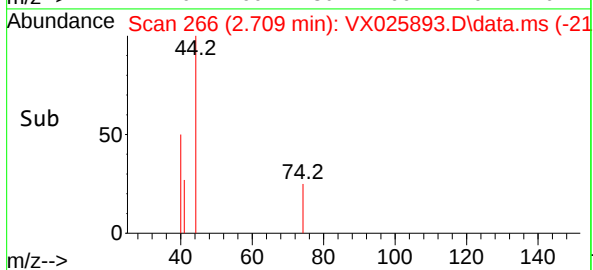
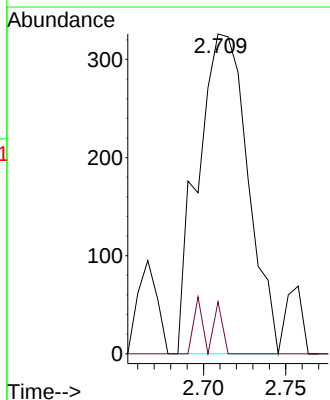
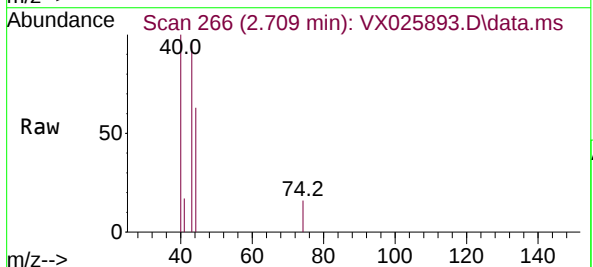
Instrument :
MSVOA_X
ClientSampleId :

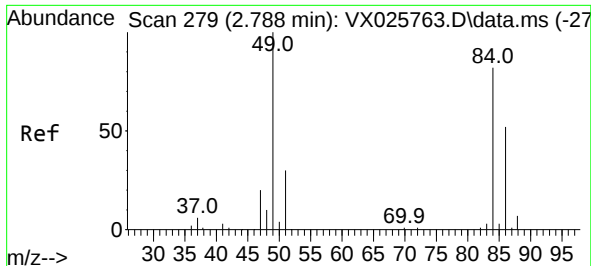
Tgt Ion: 43 Resp: 11036
Ion Ratio Lower Upper
43 100
58 24.3 24.8 37.2#



#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

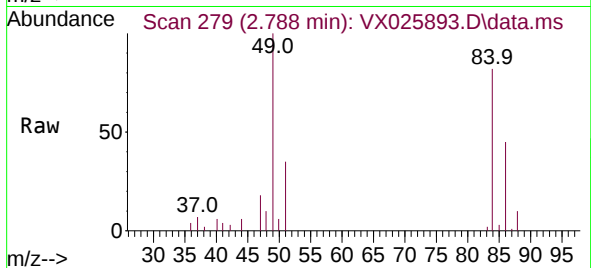
Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
74 5.9 19.1 28.7#



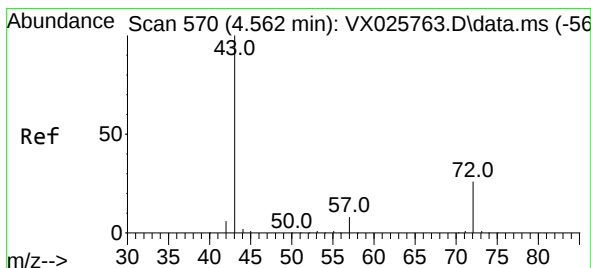
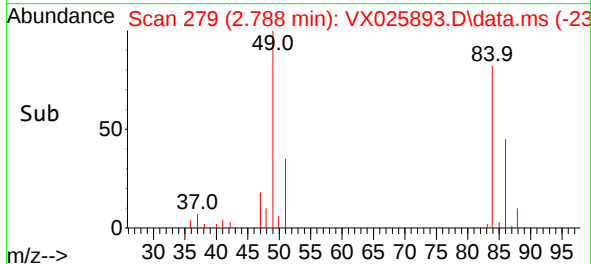
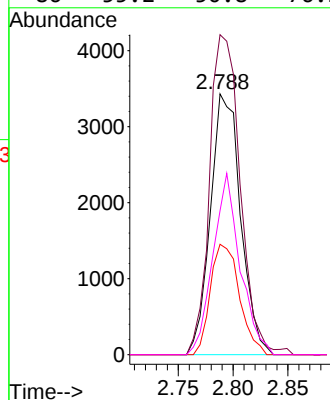


#20
Methylene Chloride
Concen: 2.096 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :

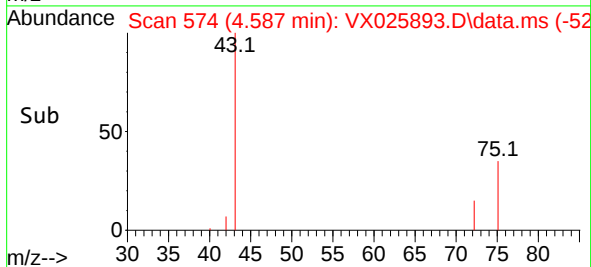
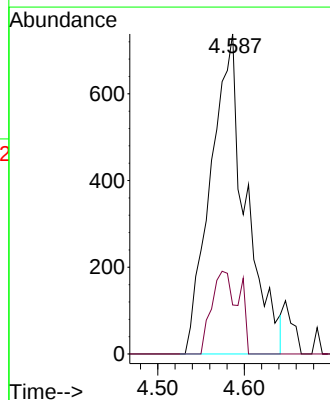
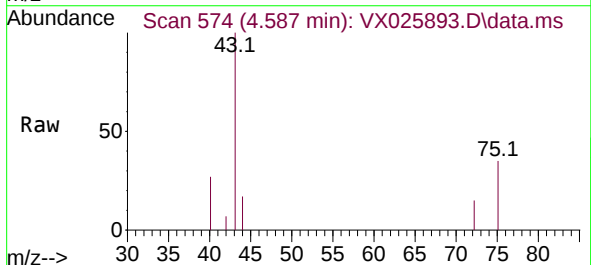


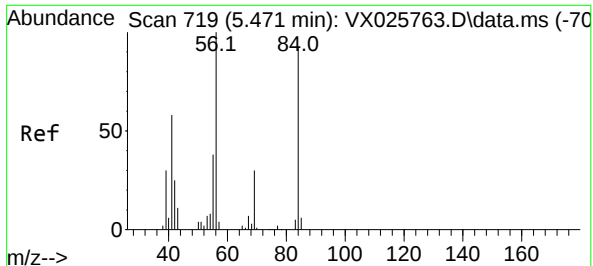
Tgt Ion: 84	Resp: 6564
Ion Ratio	Lower Upper
84 100	
49 122.7	97.1 145.7
51 42.4	29.3 43.9
86 55.2	50.8 76.2



#25
2-Butanone
Concen: 1.777 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

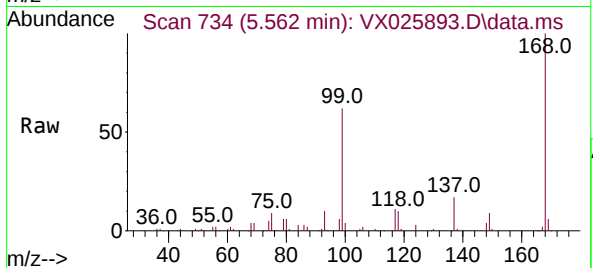
Tgt Ion: 43	Resp: 2078
Ion Ratio	Lower Upper
43 100	
72 15.3	21.0 31.4#



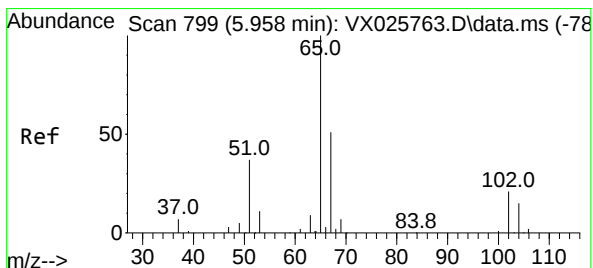
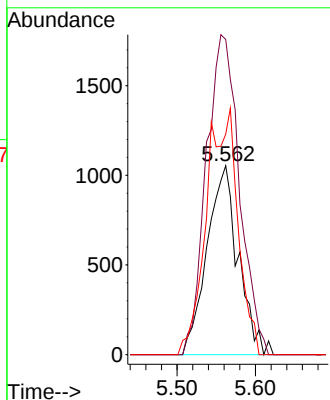
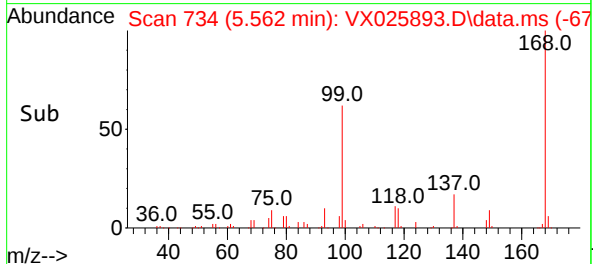


#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :

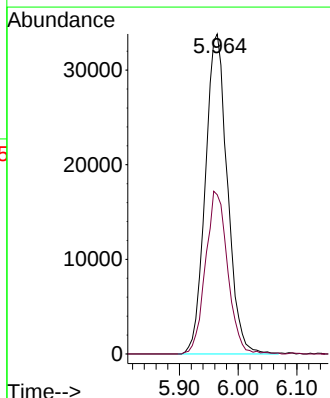
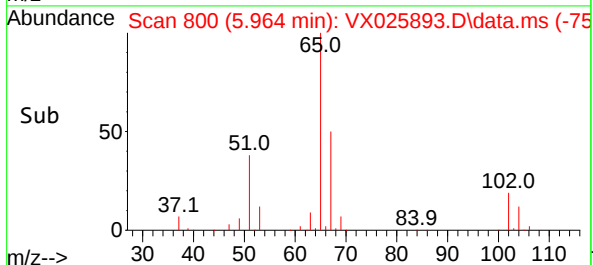
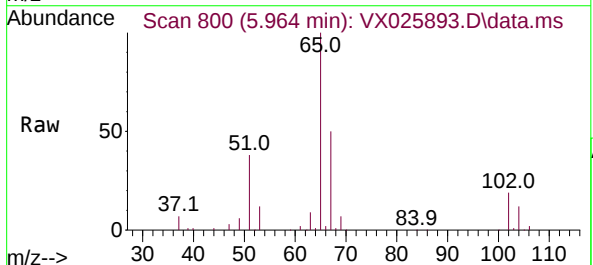


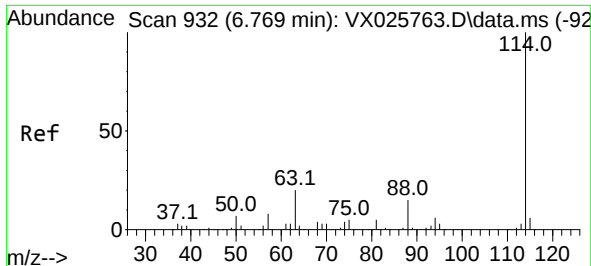
Tgt Ion: 56 Resp: 2922
Ion Ratio Lower Upper
56 100
69 166.8 23.9 35.9#
84 116.7 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 50.815 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion: 65 Resp: 88360
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

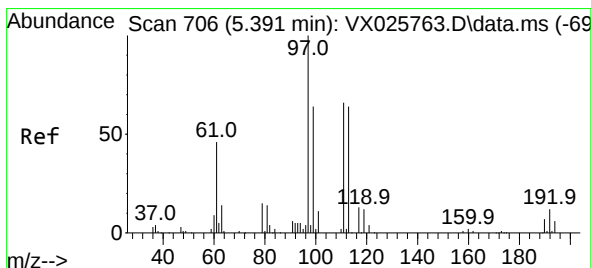
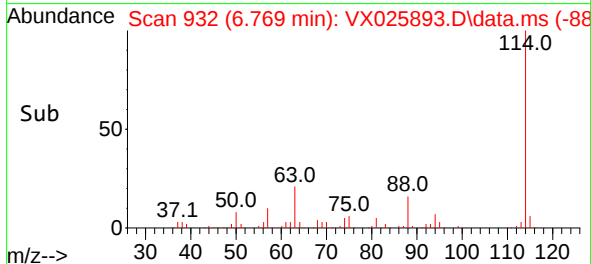
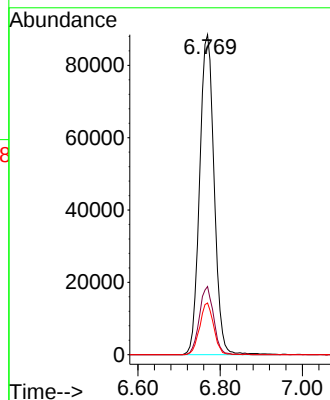
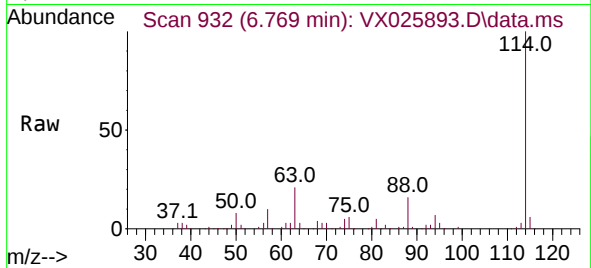




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

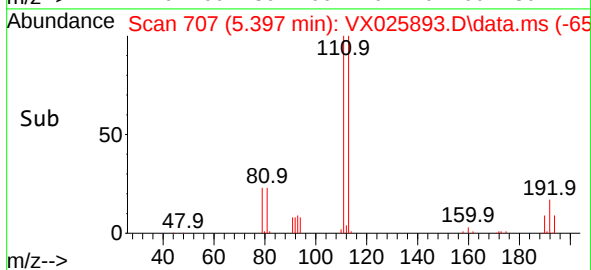
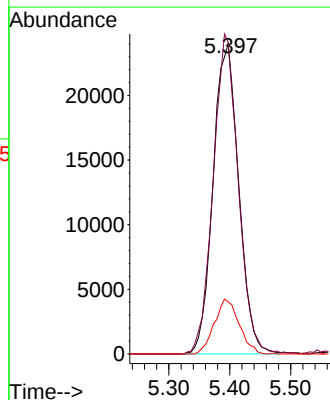
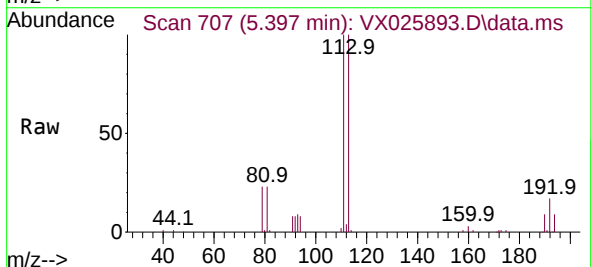
Instrument :
MSVOA_X
ClientSampleId :

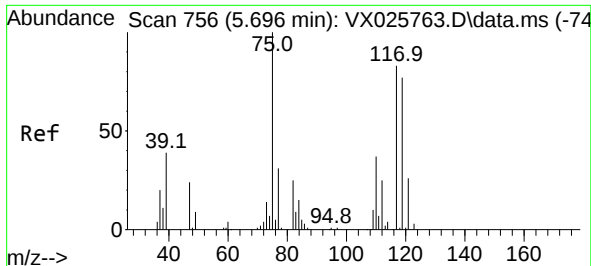
Tgt Ion:114 Resp: 216285
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.0
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.601 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

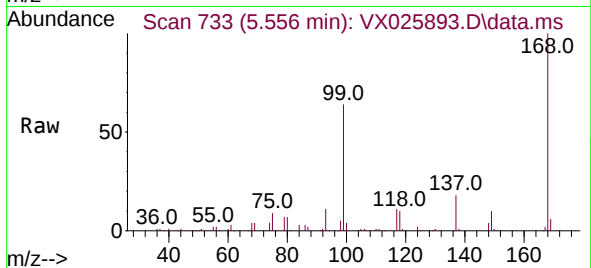
Tgt Ion:113 Resp: 70293
Ion Ratio Lower Upper
113 100
111 100.8 81.8 122.8
192 17.1 15.0 22.4



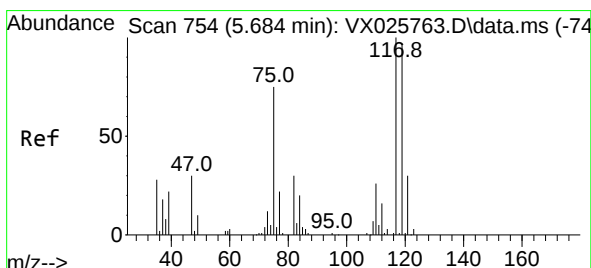
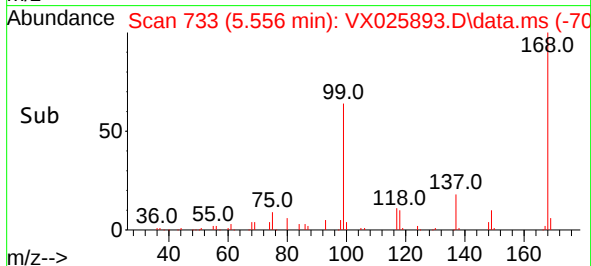
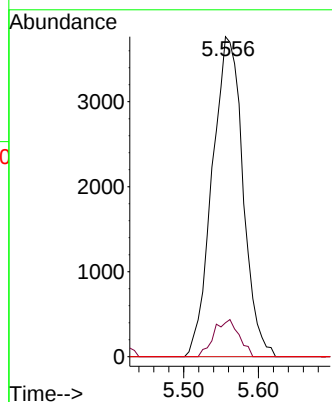


#36
1,1-Dichloropropene
Concen: 5.260 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :

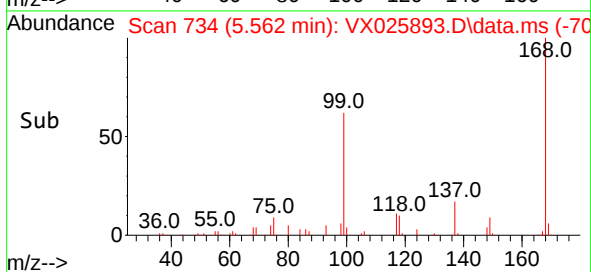
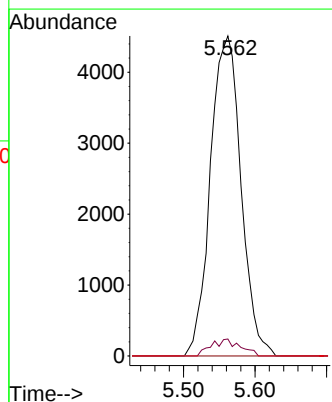
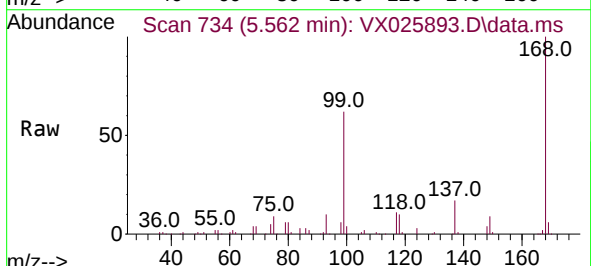


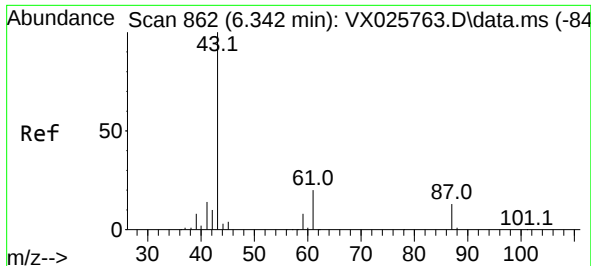
Tgt Ion: 75 Resp: 10760
Ion Ratio Lower Upper
75 100
110 9.5 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.630 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion: 117 Resp: 13400
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 23.8 35.8#

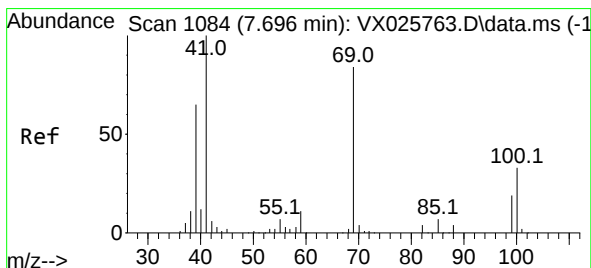
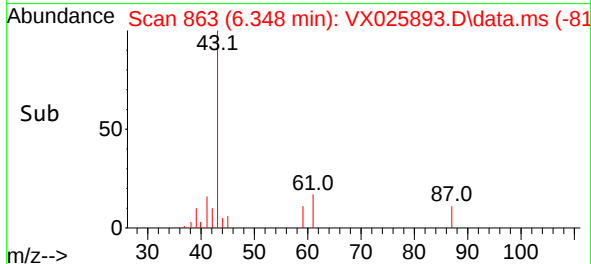
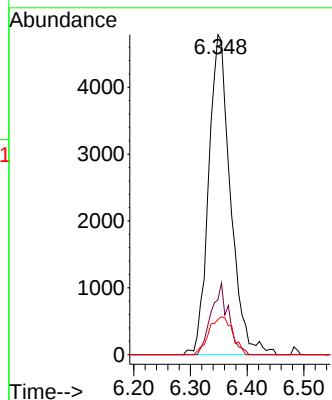
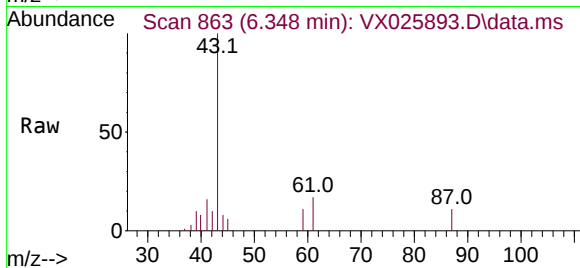




#43
Isopropyl Acetate
Concen: 3.494 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

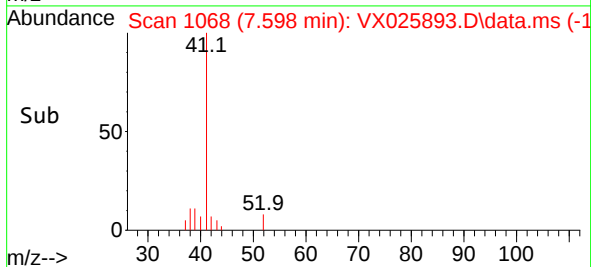
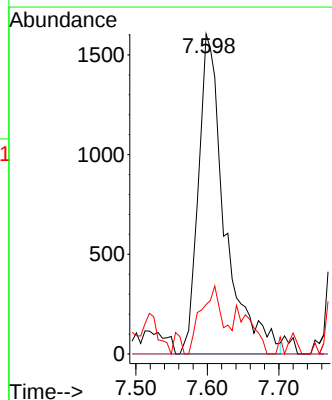
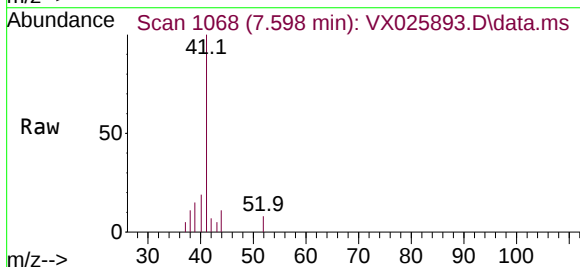
Instrument :
MSVOA_X
ClientSampleId :

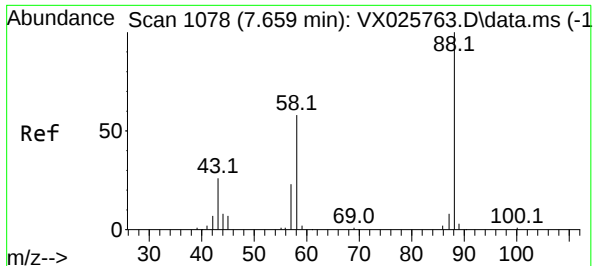
Tgt Ion: 43 Resp: 12793
Ion Ratio Lower Upper
43 100
61 17.8 15.7 23.5
87 12.8 11.2 16.8



#48
Methyl methacrylate
Concen: 2.393 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion: 41 Resp: 4126
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: 3.746 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025893.D

Acq: 17 Dec 2021 18:15

Instrument :

MSVOA_X

ClientSampleId :

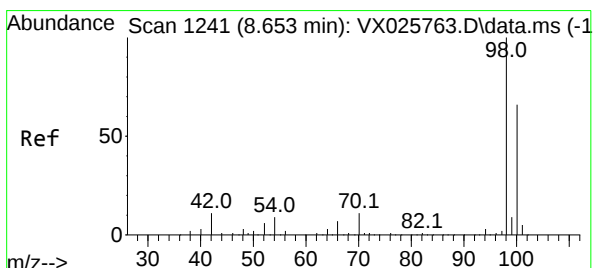
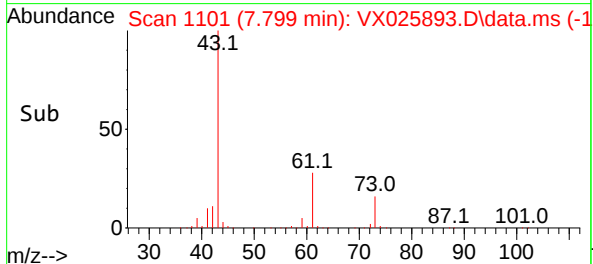
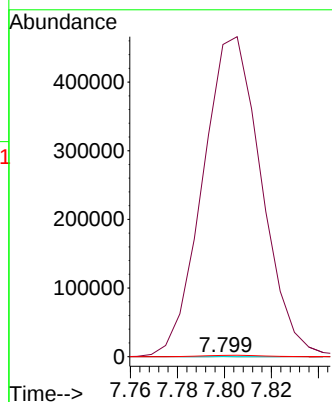
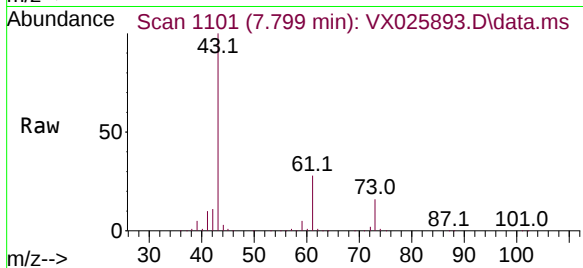
Tgt Ion: 88 Resp: 141

Ion Ratio Lower Upper

88 100

43 581997.9 25.3 37.9#

58 2682.3 51.8 77.6#



#50

Toluene-d8

Concen: 49.191 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025893.D

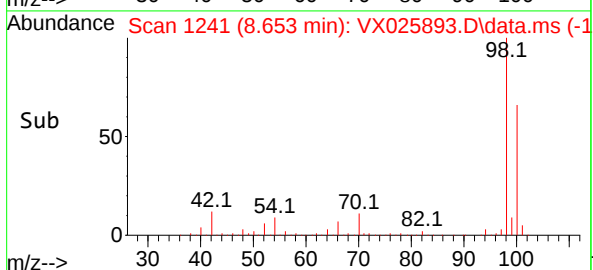
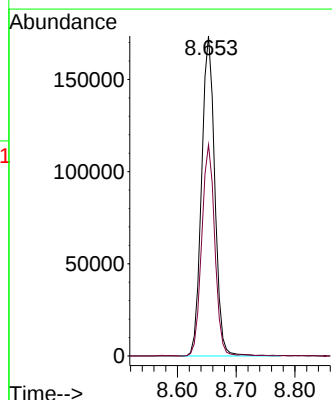
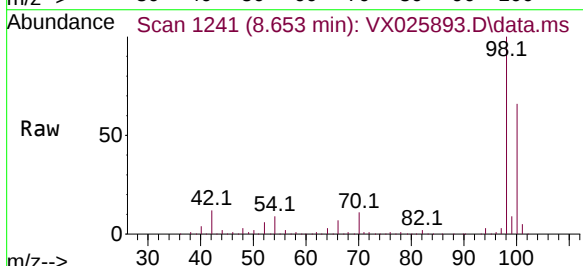
Acq: 17 Dec 2021 18:15

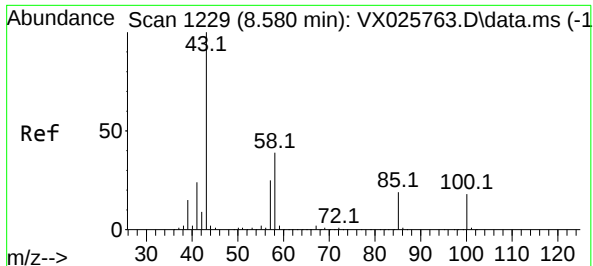
Tgt Ion: 98 Resp: 270346

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8

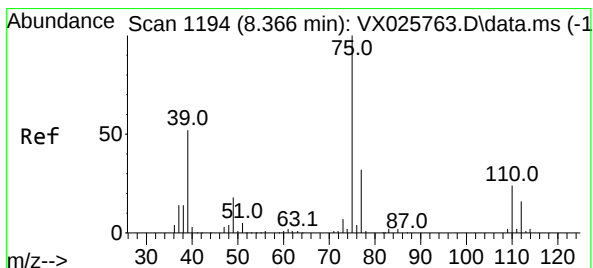
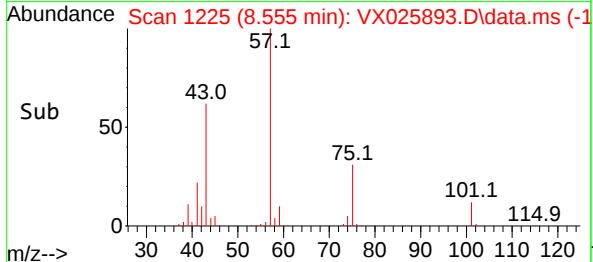
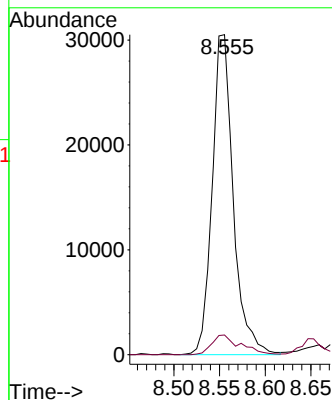
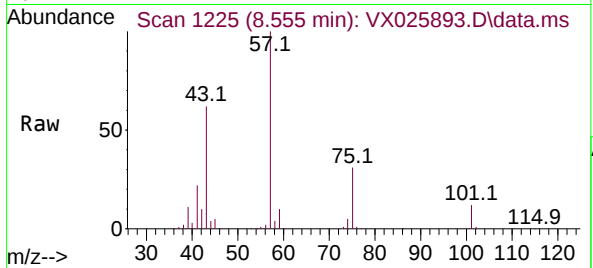




#51
4-Methyl-2-Pentanone
Concen: 20.439 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

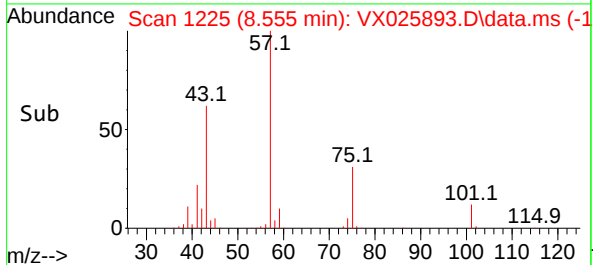
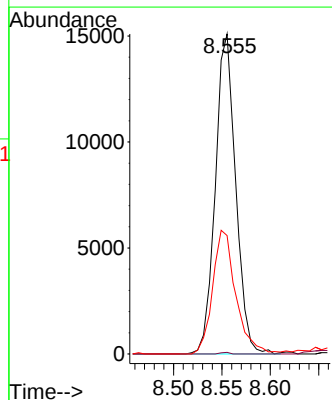
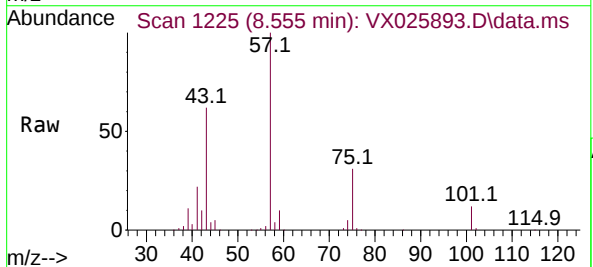
Instrument :
MSVOA_X
ClientSampleId :

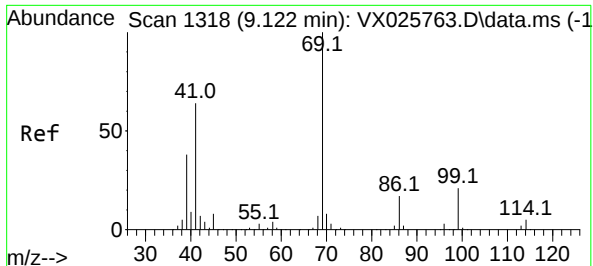
Tgt Ion: 43 Resp: 48991
Ion Ratio Lower Upper
43 100
58 8.4 30.8 46.2#



#54
cis-1,3-Dichloropropene
Concen: 8.958 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.189 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion: 75 Resp: 22047
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 37.0 41.4 62.0#





#56

Ethyl methacrylate

Concen: 0.317 ug/l

RT: 9.342 min Scan# 11

Delta R.T. 0.219 min

Lab File: VX025893.D

Acq: 17 Dec 2021 18:15

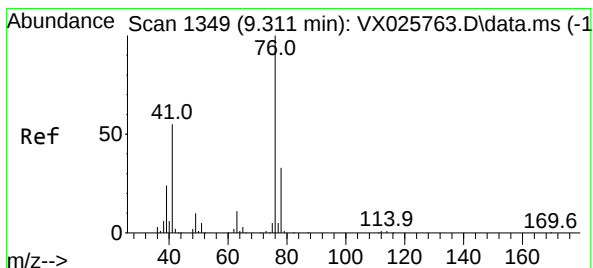
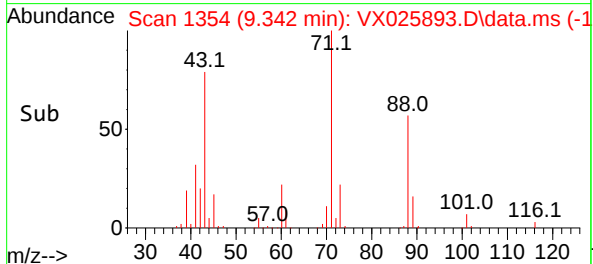
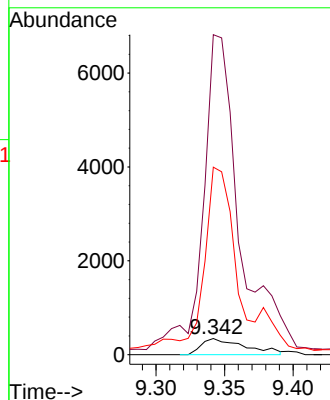
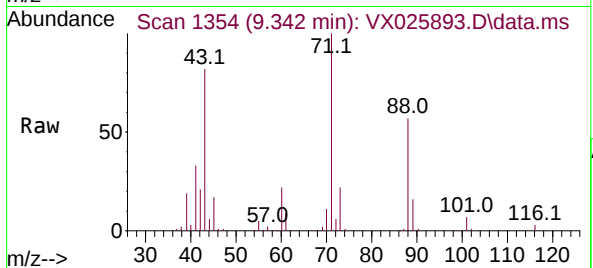
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 759

Ion	Ratio	Lower	Upper
69	100		
41	1604.7	52.8	79.2#
39	767.2	32.5	48.7#



#57

1,3-Dichloropropane

Concen: 5.270 ug/l

RT: 9.488 min Scan# 1378

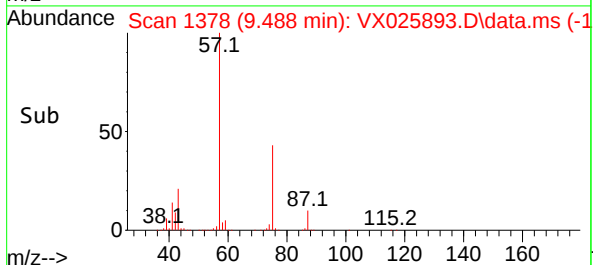
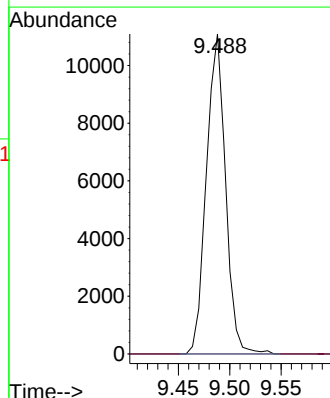
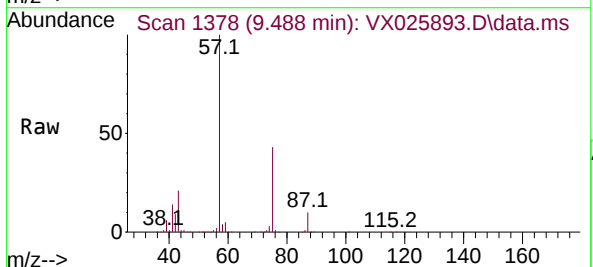
Delta R.T. 0.177 min

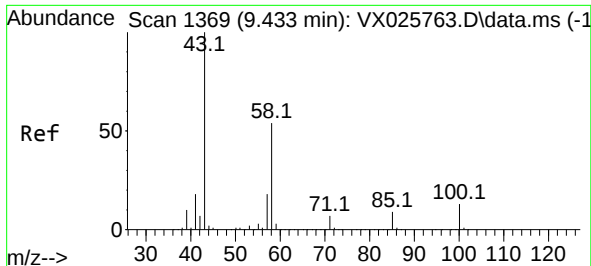
Lab File: VX025893.D

Acq: 17 Dec 2021 18:15

Tgt Ion: 76 Resp: 14413

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.0	39.0#





#59

2-Hexanone

Concen: 111.660 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX025893.D

Acq: 17 Dec 2021 18:15

Instrument :

MSVOA_X

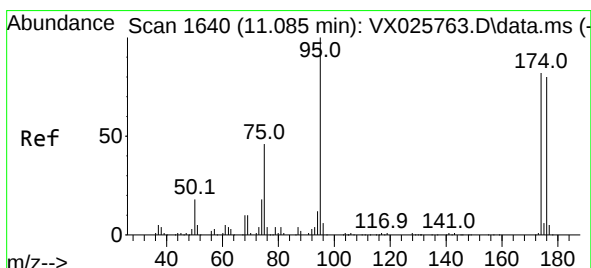
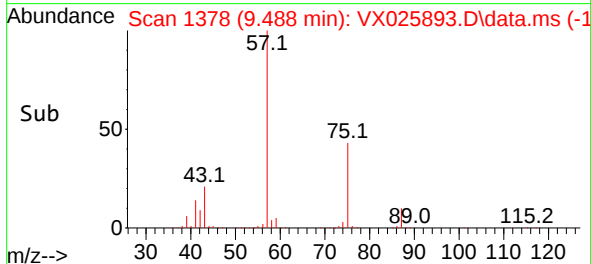
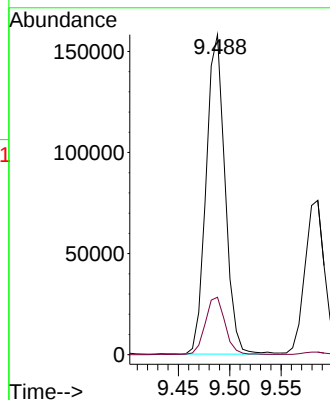
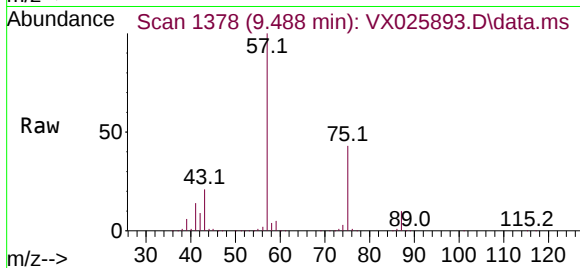
ClientSampleId :

Tgt Ion: 43 Resp: 202783

Ion Ratio Lower Upper

43 100

58 19.1 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 45.076 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025893.D

Acq: 17 Dec 2021 18:15

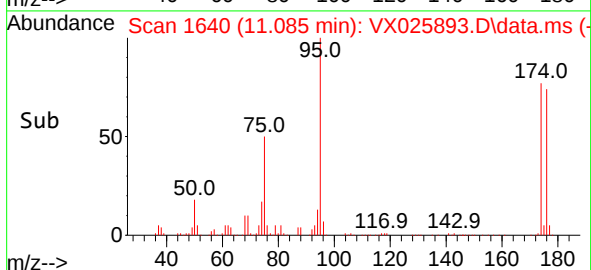
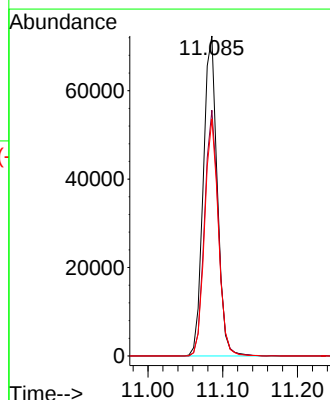
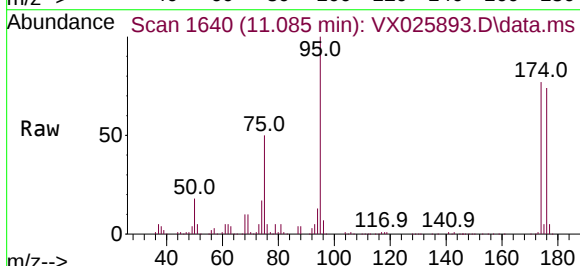
Tgt Ion: 95 Resp: 94104

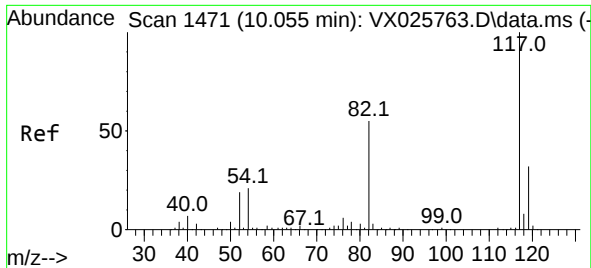
Ion Ratio Lower Upper

95 100

174 75.9 0.0 157.4

176 72.7 0.0 154.6

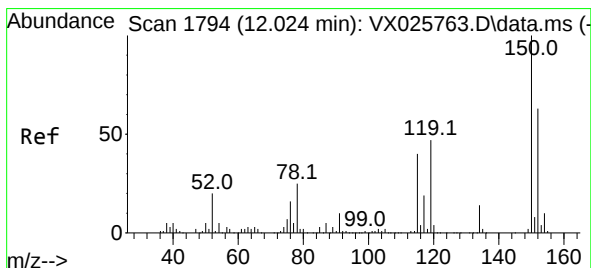
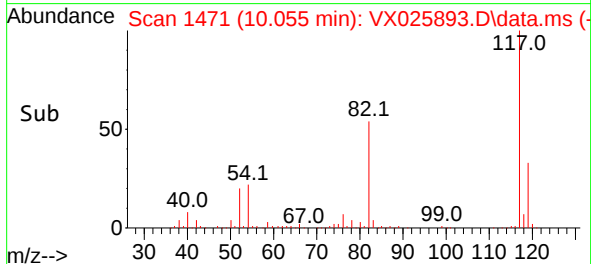
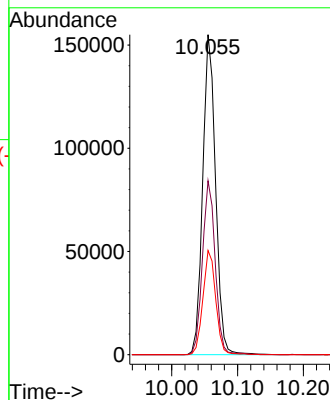
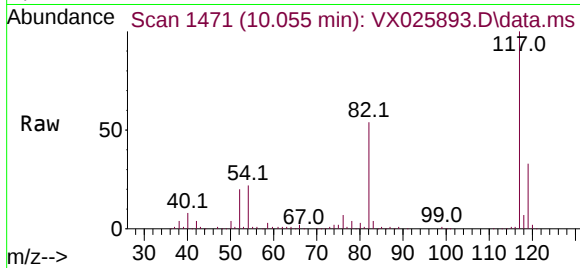




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

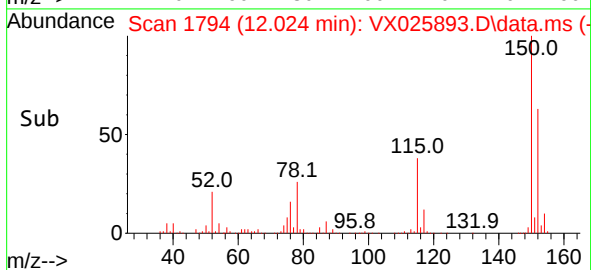
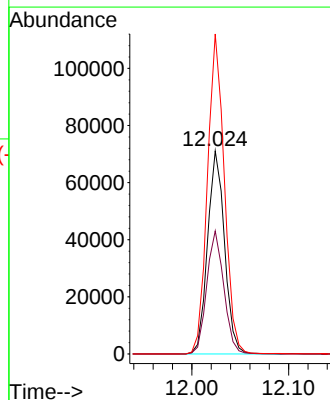
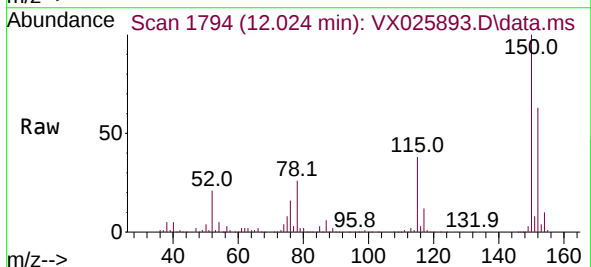
Instrument :
MSVOA_X
ClientSampleId :

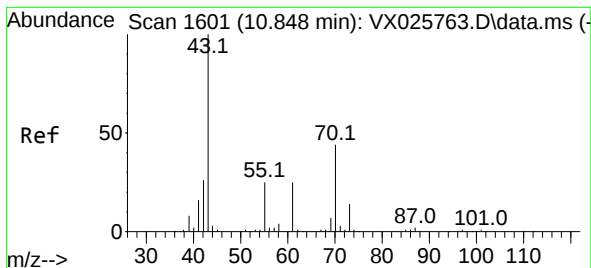
Tgt Ion:117 Resp: 210511
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.6
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion:152 Resp: 86896
Ion Ratio Lower Upper
152 100
115 61.0 41.3 123.9
150 156.7 0.0 351.8





#74

N-amy1 acetate

Concen: 0.233 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.073 min

Lab File: VX025893.D

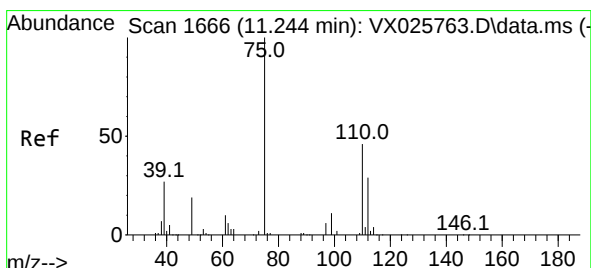
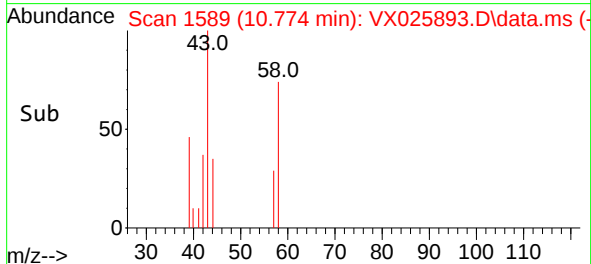
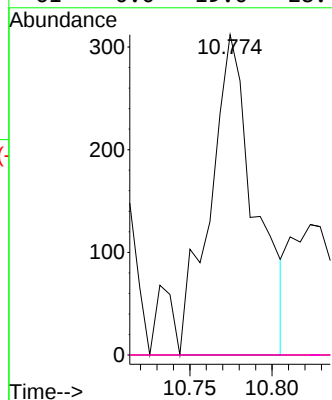
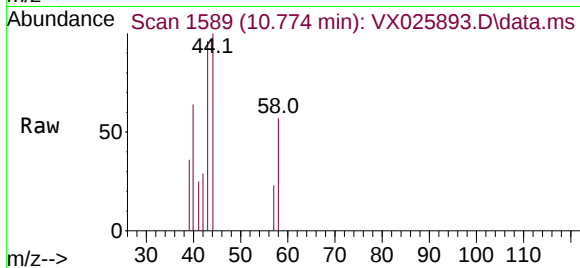
Acq: 17 Dec 2021 18:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp: 591
Ion Ratio	Lower Upper
43 100	
70 0.0	34.1 51.1#
55 0.0	19.2 28.8#
61 0.0	19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 24.174 ug/l

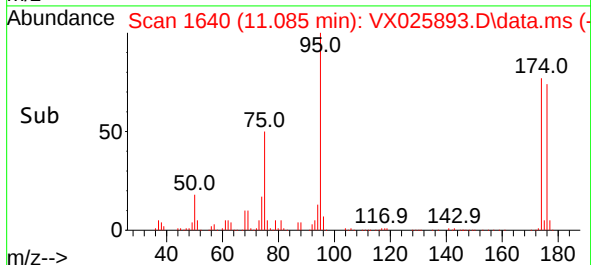
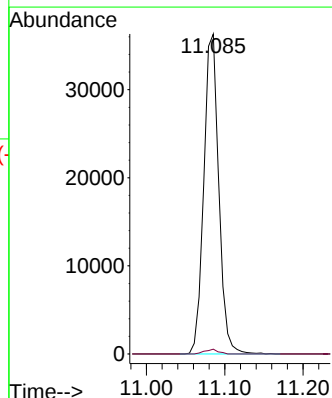
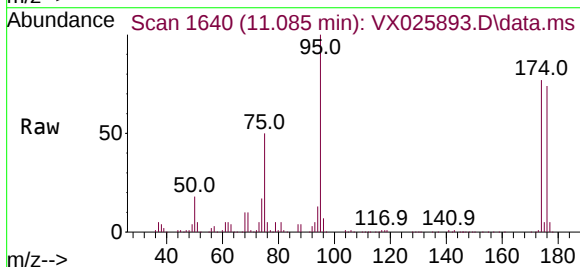
RT: 11.085 min Scan# 1640

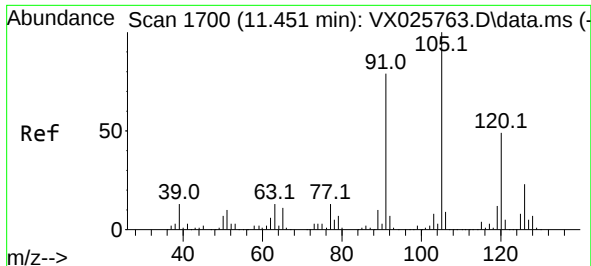
Delta R.T. -0.159 min

Lab File: VX025893.D

Acq: 17 Dec 2021 18:15

Tgt Ion: 75	Resp: 48128
Ion Ratio	Lower Upper
75 100	
77 1.3	19.0 57.0#

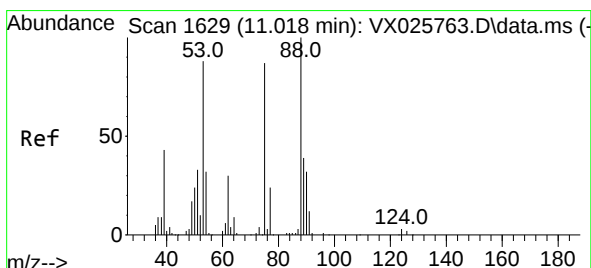
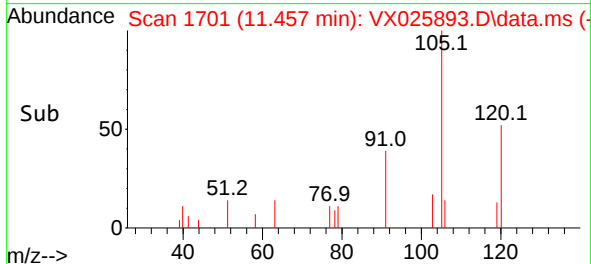
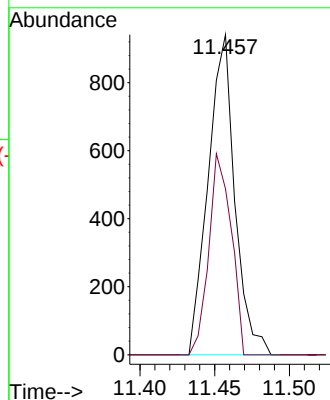
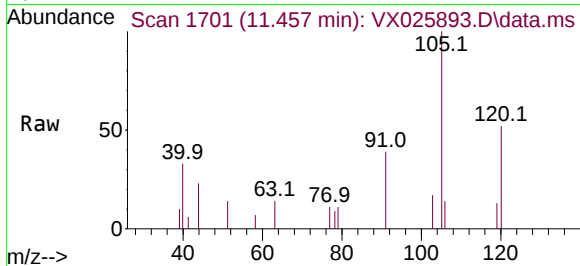




#80
 1,3,5-Trimethylbenzene
 Concen: 0.223 ug/l
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX025893.D
 Acq: 17 Dec 2021 18:15

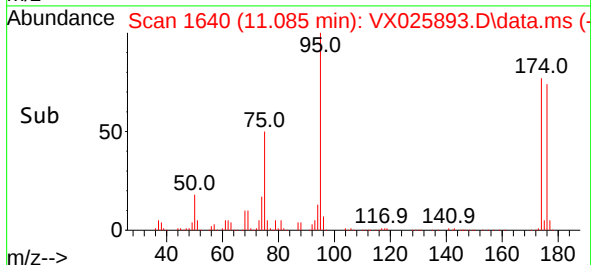
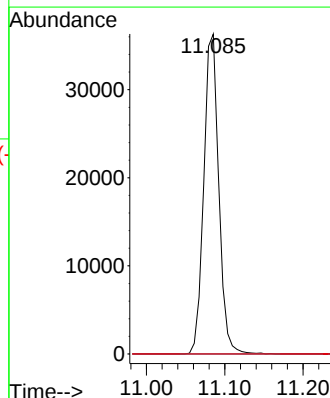
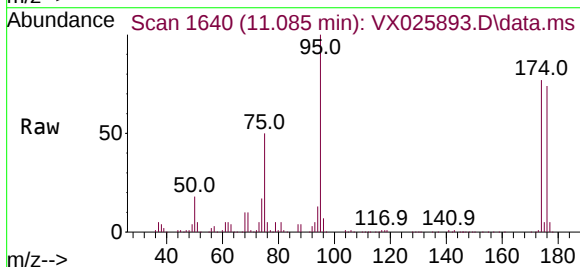
Instrument :
 MSVOA_X
 ClientSampleId :

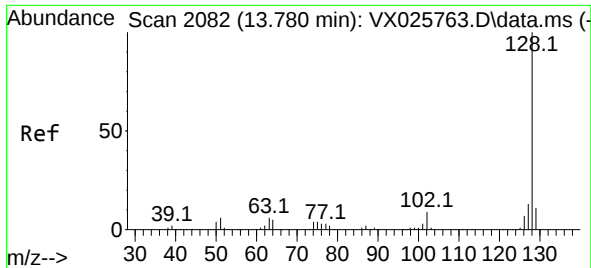
Tgt Ion:105 Resp: 1168
 Ion Ratio Lower Upper
 105 100
 120 52.7 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.944 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX025893.D
 Acq: 17 Dec 2021 18:15

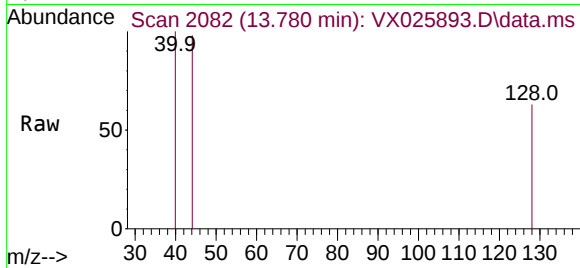
Tgt Ion: 75 Resp: 48128
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#



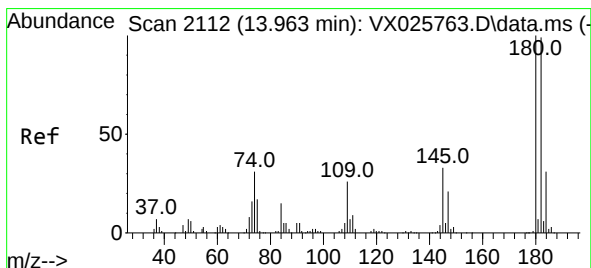
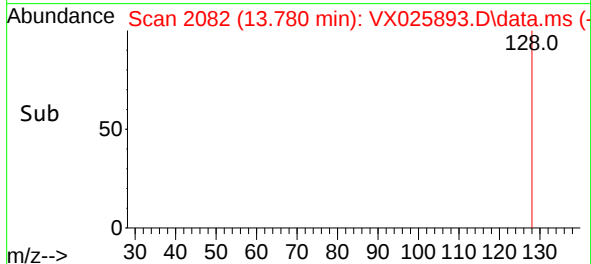
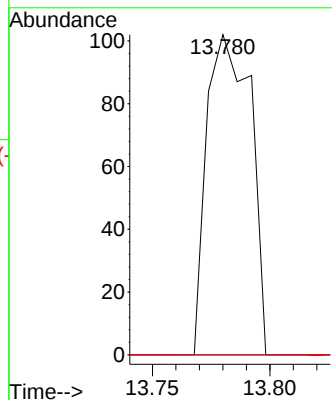


#95
Naphthalene
Concen: 2.433 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.010 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX025893.D
Acq: 17 Dec 2021 18:15

Tgt Ion:180 Resp: 31
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.6#
145 0.0 16.7 50.1#

