

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025863.D
 Acq On : 16 Dec 2021 18:16
 Operator : JC/MD
 Sample : PB141455ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 02:34:36 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)

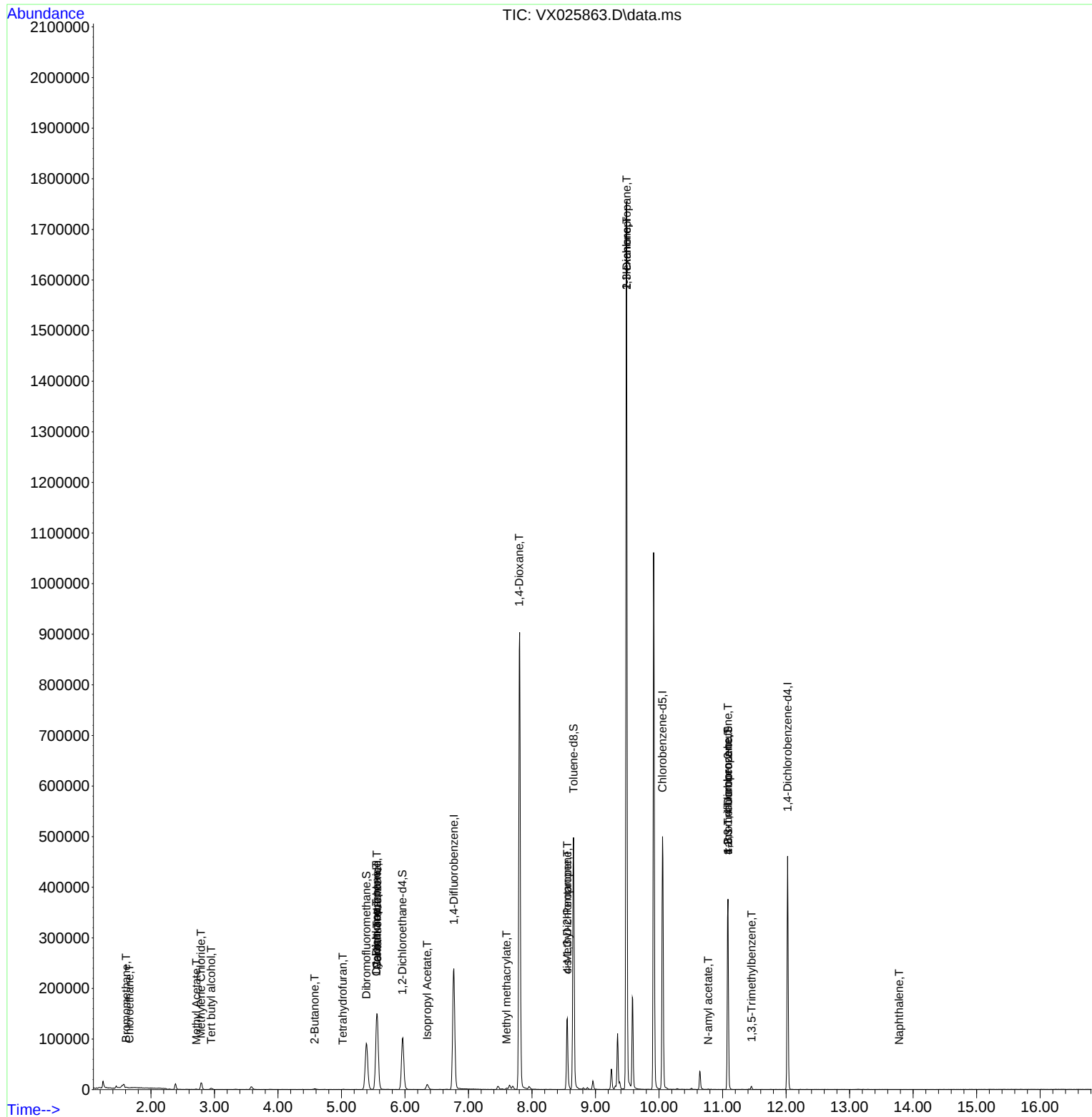
Internal Standards						
1) Pentafluorobenzene	5.562	168	142221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243709	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96399	47.109	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.220%		
35) Dibromofluoromethane	5.391	113	77613	45.664	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.320%		
50) Toluene-d8	8.653	98	298481	48.199	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.400%		
62) 4-Bromofluorobenzene	11.085	95	101913	43.323	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.640%		
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	342	0.272	ug/l #	63
6) Chloroethane	1.660	64	272	0.213	ug/l #	42
11) Tert butyl alcohol	2.946	59	1507	3.671	ug/l #	73
16) Acetone	2.386	43	11428	Below Cal		99
18) Methyl Acetate	2.715	43	1034	0.332	ug/l #	81
20) Methylene Chloride	2.788	84	6084	1.111	ug/l	89
25) 2-Butanone	4.574	43	2225	1.617	ug/l	99
29) Tetrahydrofuran	5.019	42	256	0.293	ug/l #	81
31) Cyclohexane	5.550	56	3260	1.310	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	11624	5.043	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15183	5.661	ug/l #	15
43) Isopropyl Acetate	6.348	43	13175	3.193	ug/l	98
48) Methyl methacrylate	7.598	41	4183	2.153	ug/l #	12
49) 1,4-Dioxane	7.799	88	49	1.155	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	49637	18.379	ug/l #	49
54) cis-1,3-Dichloropropene	8.555	75	22468	8.102	ug/l #	61
57) 1,3-Dichloropropane	9.488	76	14910	4.838	ug/l #	43
59) 2-Hexanone	9.488	43	203882	99.632	ug/l #	51
74) N-amyl acetate	10.774	43	544	0.204	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	50746	24.244	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	2764	0.503	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	50746	75.163	ug/l #	10
95) Naphthalene	13.780	128	39	2.417	ug/l #	69

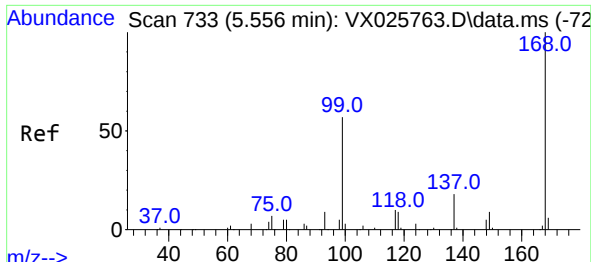
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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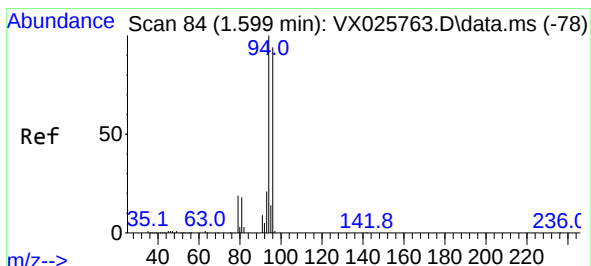
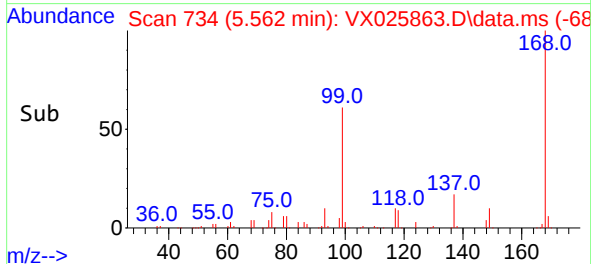
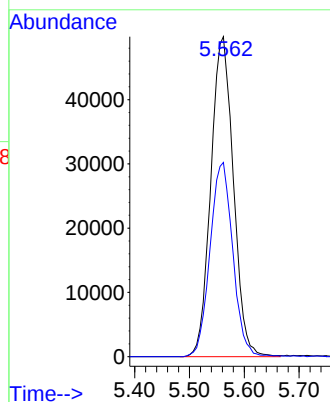
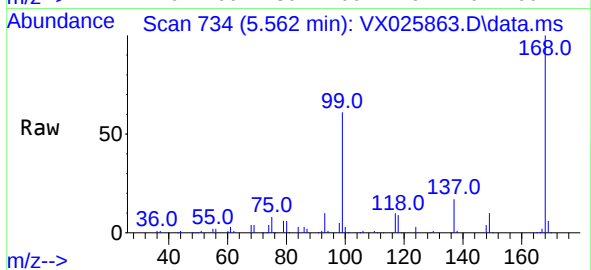




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

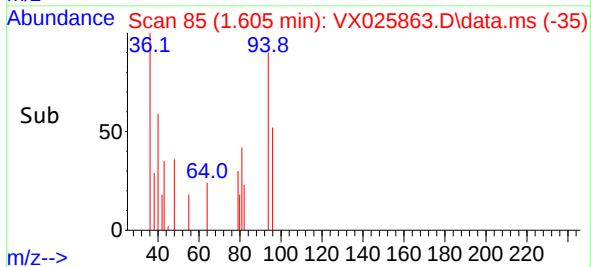
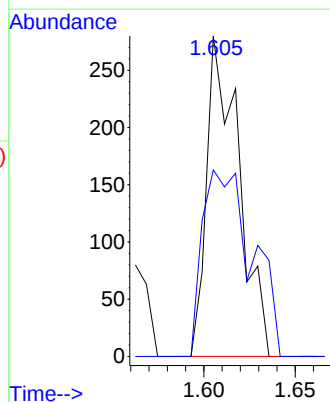
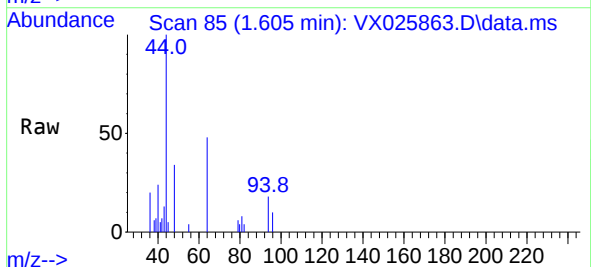
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 142221
Ion Ratio Lower Upper
168 100
99 60.7 45.8 68.8

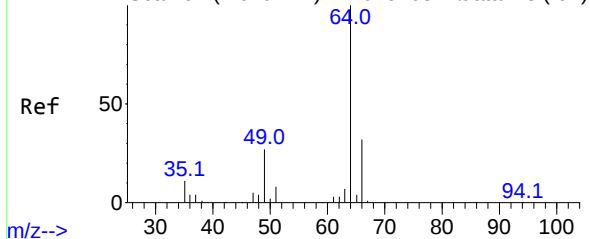


#5
Bromomethane
Concen: 0.272 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 58.2 75.0 112.4#



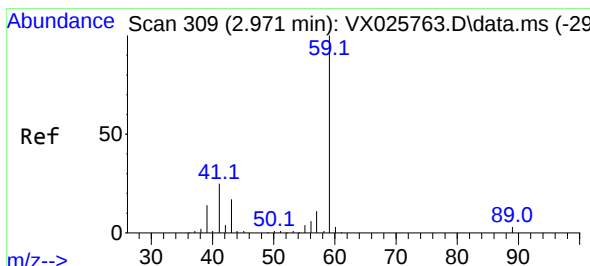
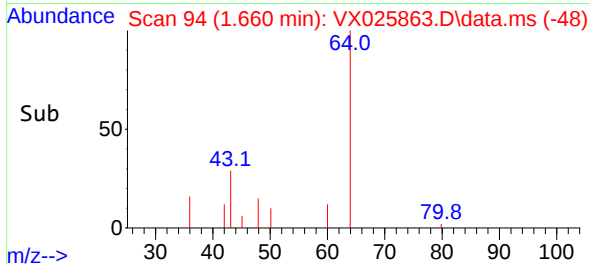
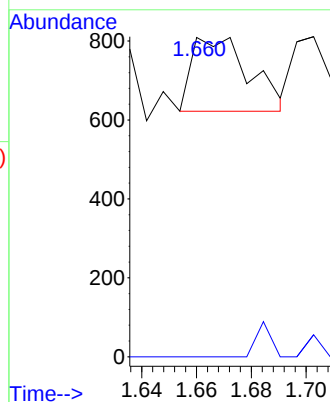
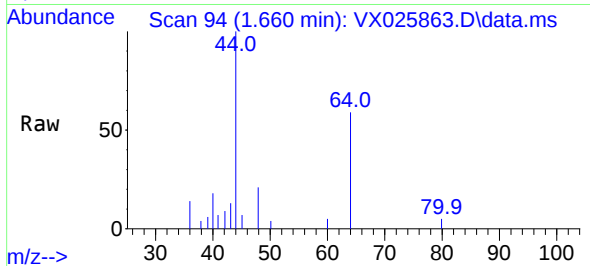
Abundance Scan 97 (1.679 min): VX025763.D\data.ms (-91)



#6
Chloroethane
Concen: 0.213 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

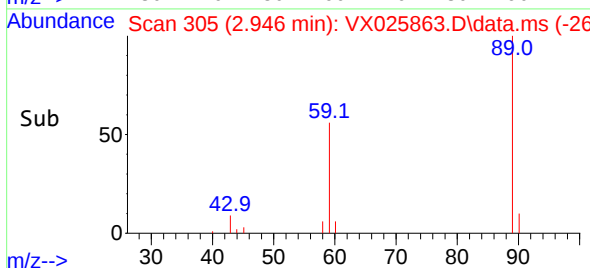
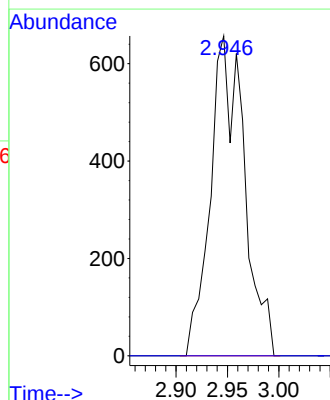
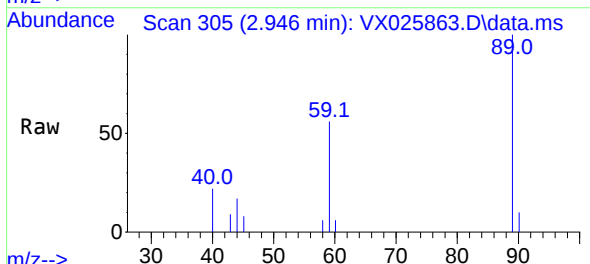
Instrument :
MSVOA_X
ClientSampleId :

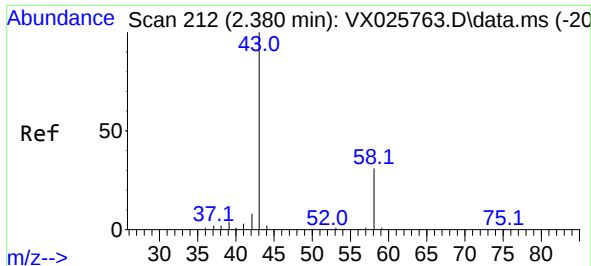
Tgt Ion: 64 Resp: 272
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 3.671 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 59 Resp: 1507
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

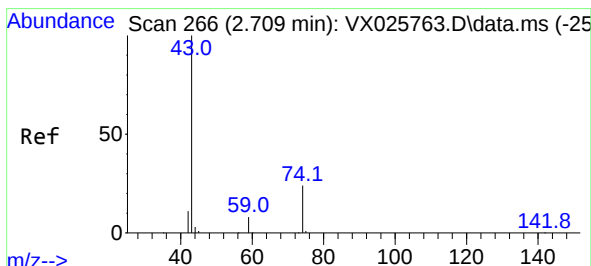
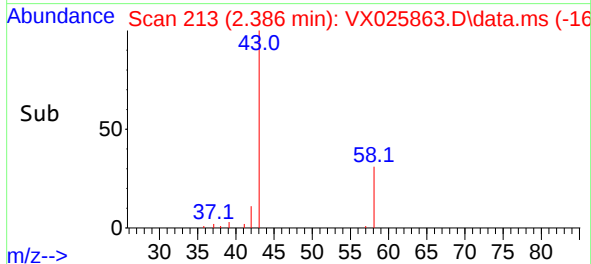
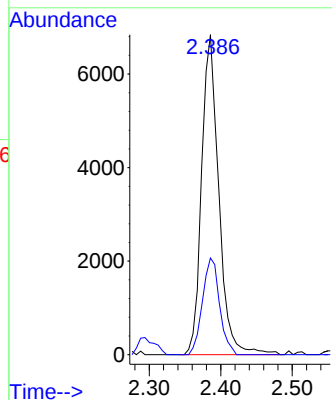
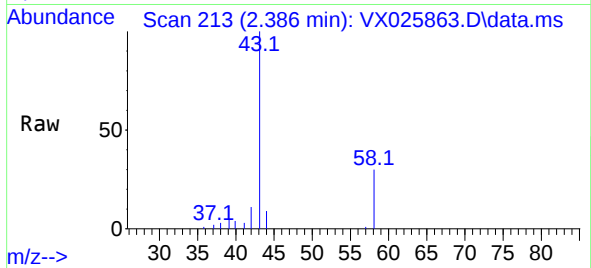




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

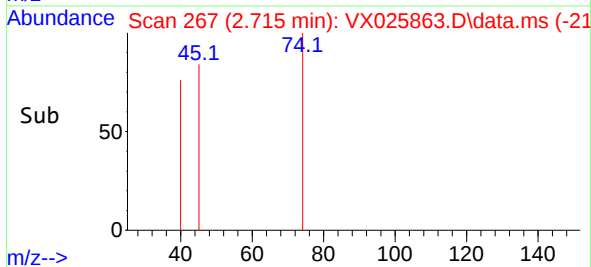
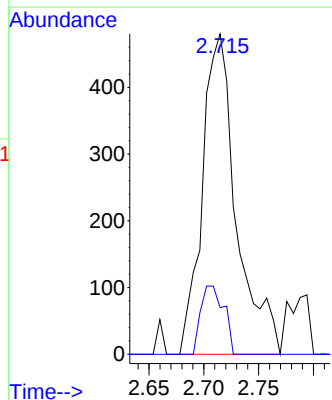
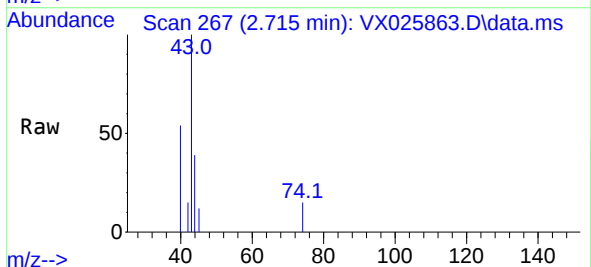
Instrument :
MSVOA_X
ClientSampleId :

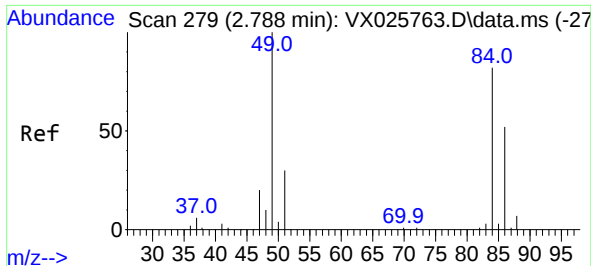
Tgt Ion: 43 Resp: 11428
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2



#18
Methyl Acetate
Concen: 0.332 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

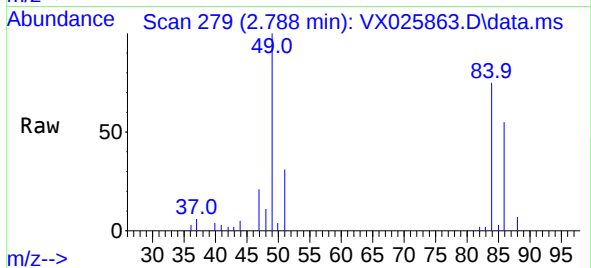
Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
74 14.4 19.1 28.7#





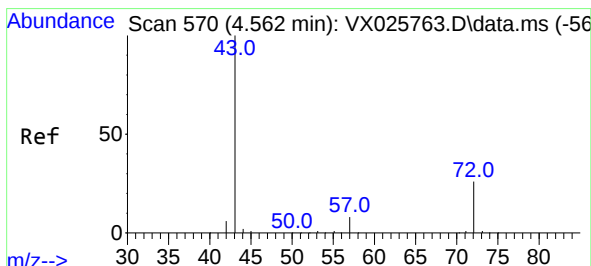
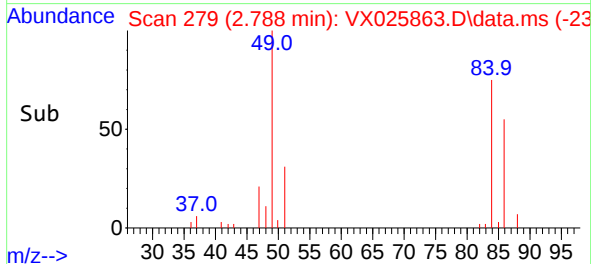
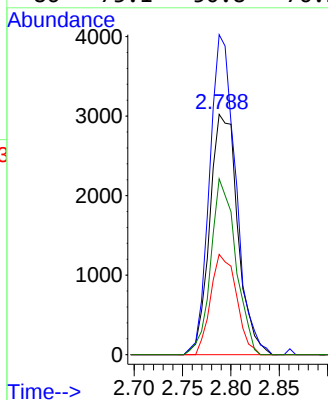
#20
Methylene Chloride
Concen: 1.111 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 6084

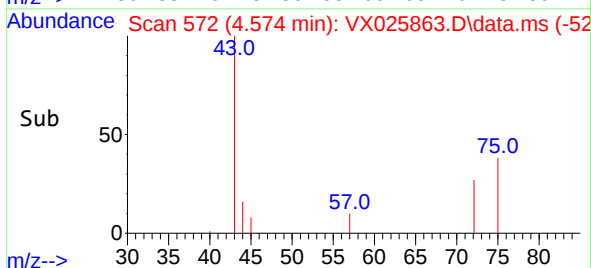
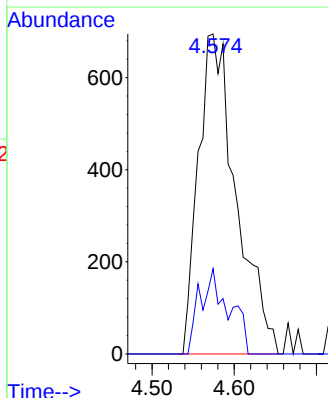
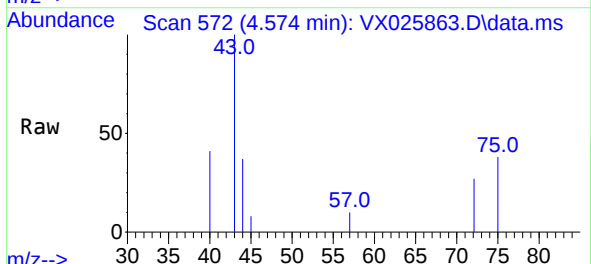
Ion	Ratio	Lower	Upper
84	100		
49	133.1	97.1	145.7
51	41.7	29.3	43.9
86	73.1	50.8	76.2

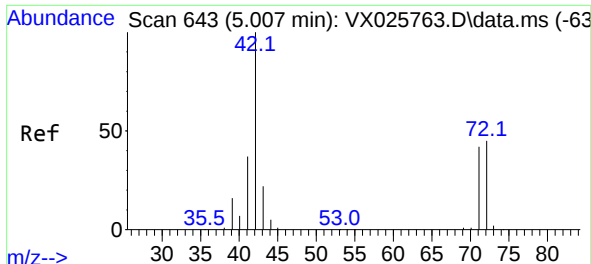


#25
2-Butanone
Concen: 1.617 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 43 Resp: 2225

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.293 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

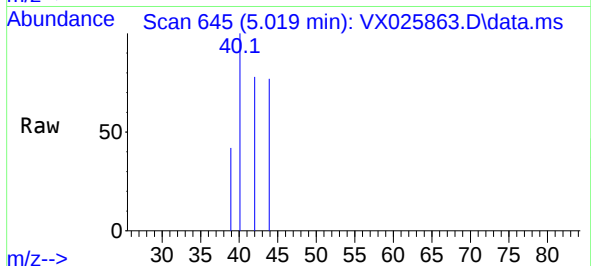
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Acq: 16 Dec 2021 18:16

Instrument :

MSVOA_X

ClientSampleId :



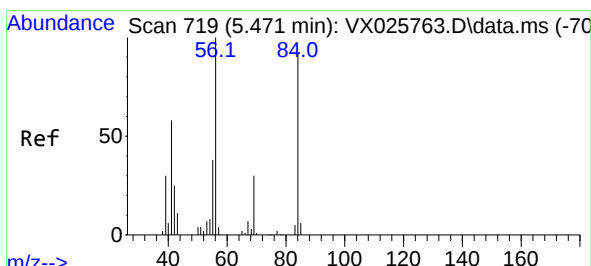
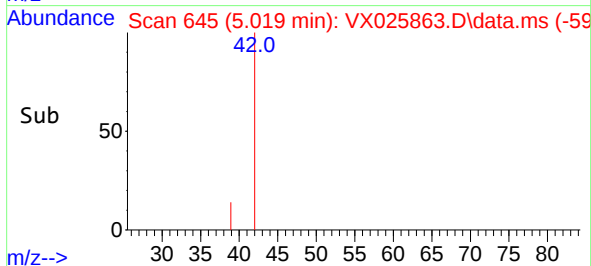
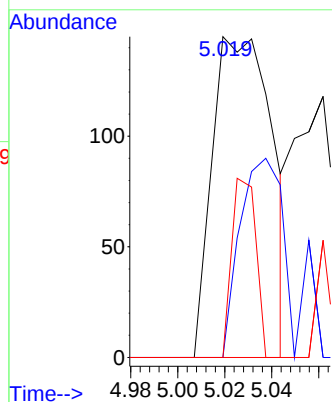
Tgt Ion: 42 Resp: 256

Ion Ratio Lower Upper

42 100

72 51.2 37.0 55.6

71 22.7 34.1 51.1#



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025863.D

Acq: 16 Dec 2021 18:16

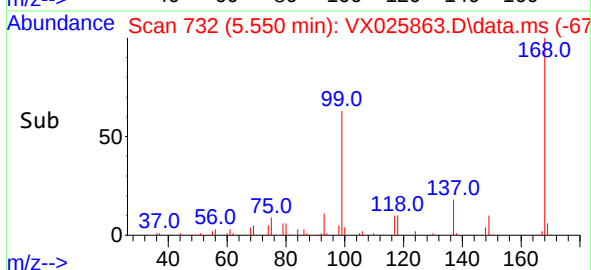
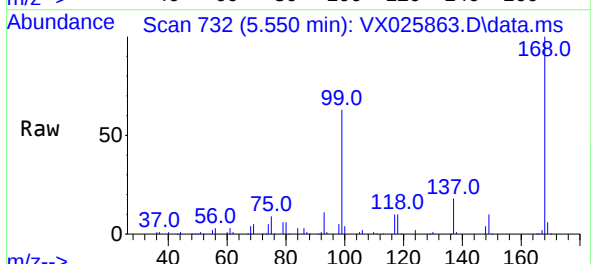
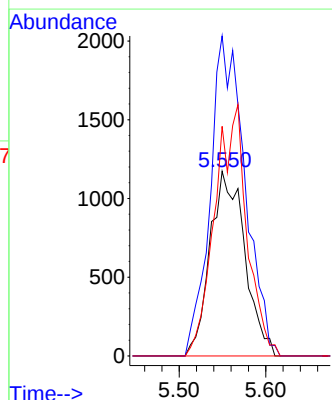
Tgt Ion: 56 Resp: 3260

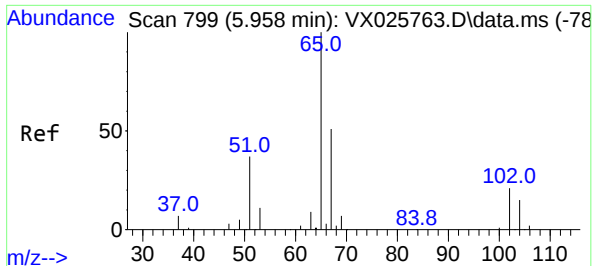
Ion Ratio Lower Upper

56 100

69 173.4 23.9 35.9#

84 124.4 73.2 109.8#

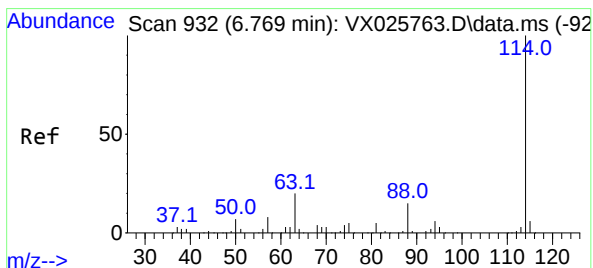
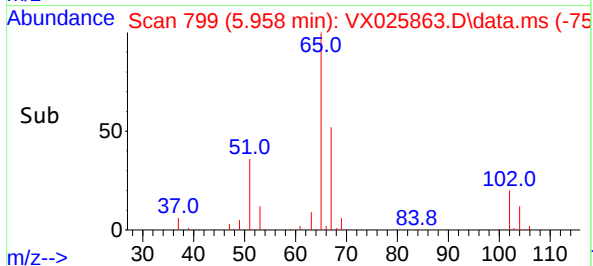
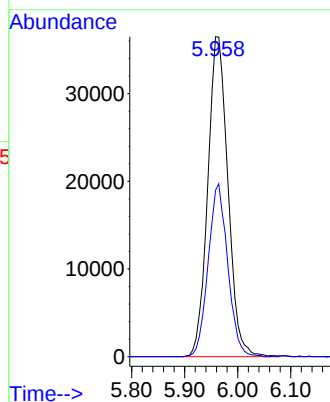
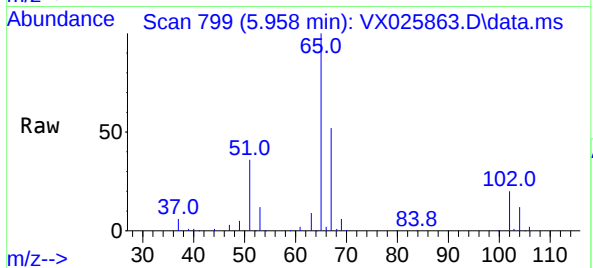




#33
 1,2-Dichloroethane-d4
 Concen: 47.109 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX025863.D
 Acq: 16 Dec 2021 18:16

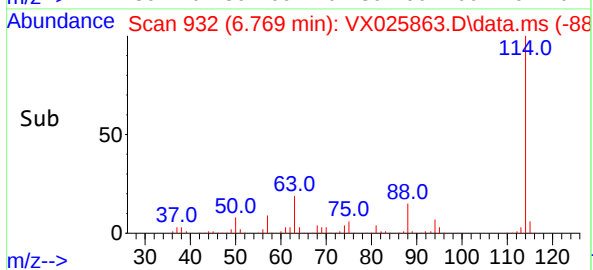
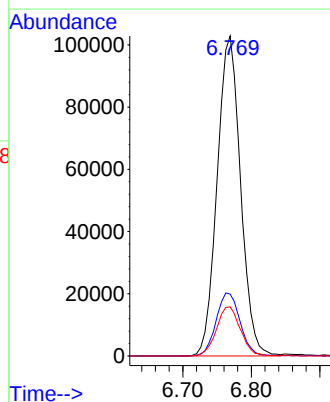
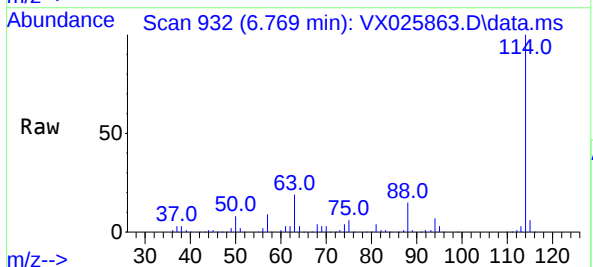
Instrument :
 MSVOA_X
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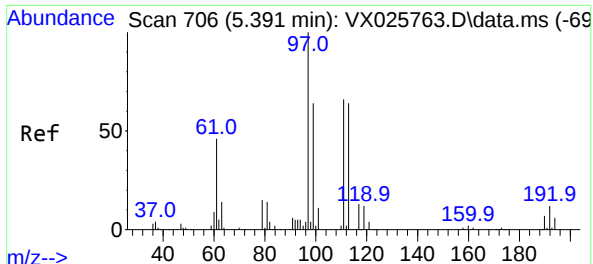
Tgt Ion: 65 Resp: 96399
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX025863.D
 Acq: 16 Dec 2021 18:16

Tgt Ion: 114 Resp: 243709
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 45.664 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

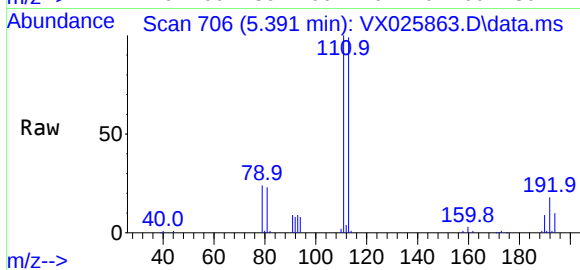
Lab File: VX025863.D

Acq: 16 Dec 2021 18:16

Instrument :

MSVOA_X

ClientSampleId :



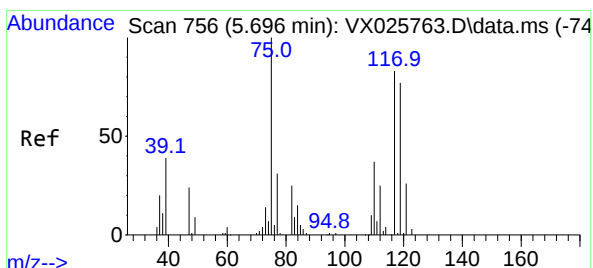
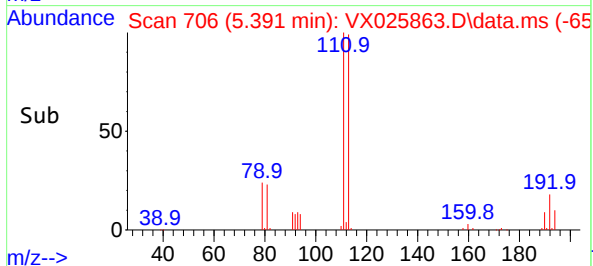
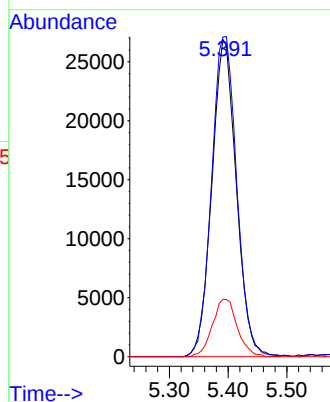
Tgt Ion:113 Resp: 77613

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

192 18.4 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.043 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX025863.D

Acq: 16 Dec 2021 18:16

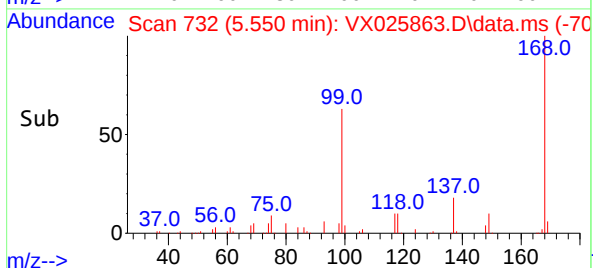
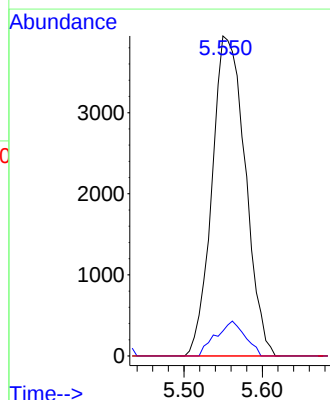
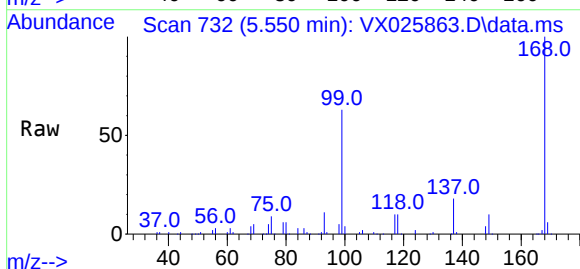
Tgt Ion: 75 Resp: 11624

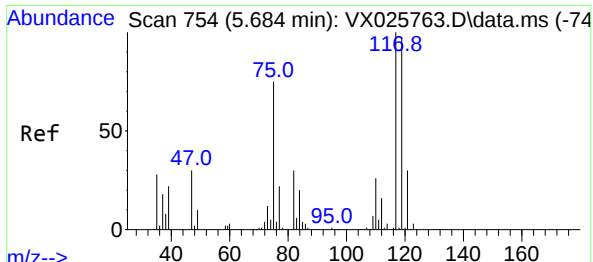
Ion Ratio Lower Upper

75 100

110 9.6 18.2 54.6#

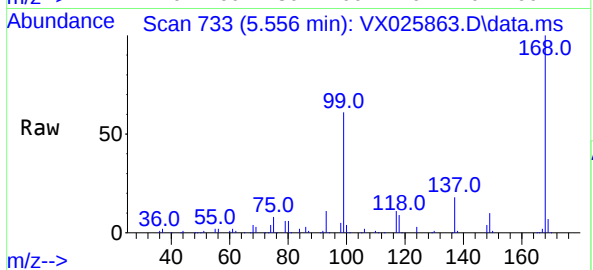
77 0.0 24.7 37.1#



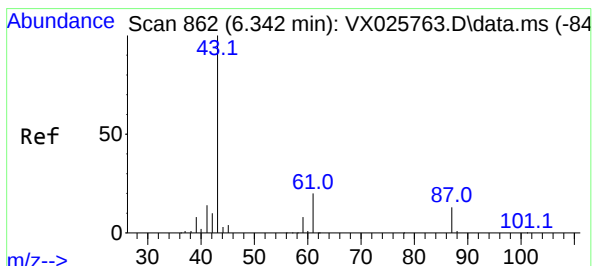
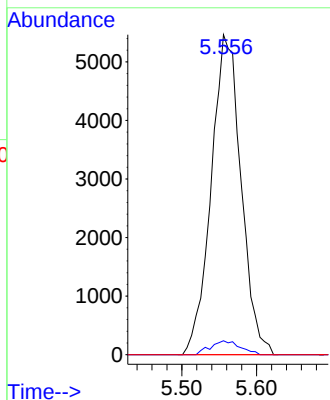
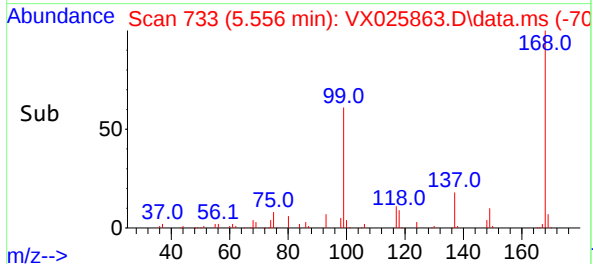


#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Instrument :
MSVOA_X
ClientSampleId :

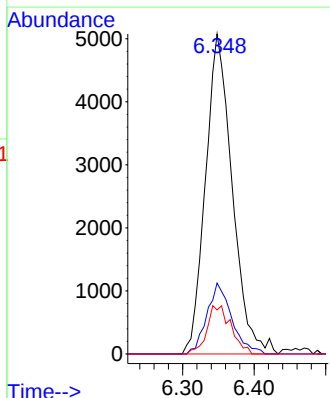
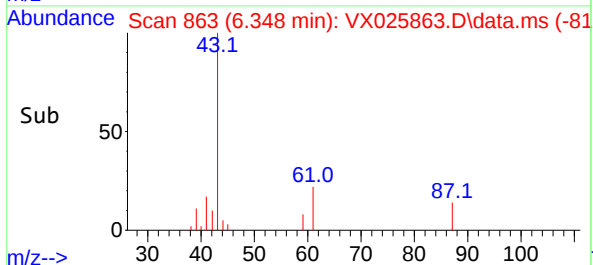
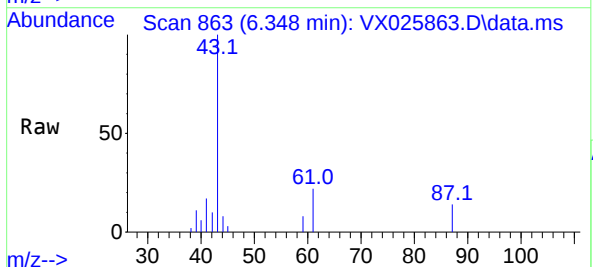


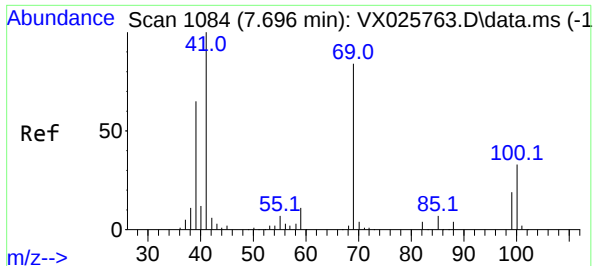
Tgt Ion:117 Resp: 15183
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.193 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 43 Resp: 13175
Ion Ratio Lower Upper
43 100
61 20.6 15.7 23.5
87 13.6 11.2 16.8

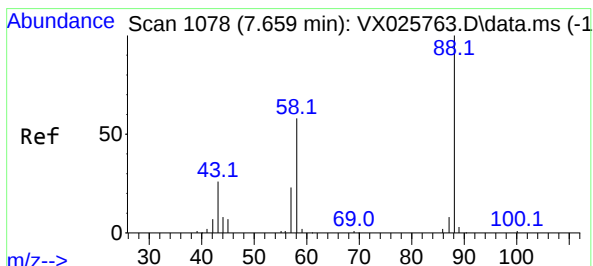
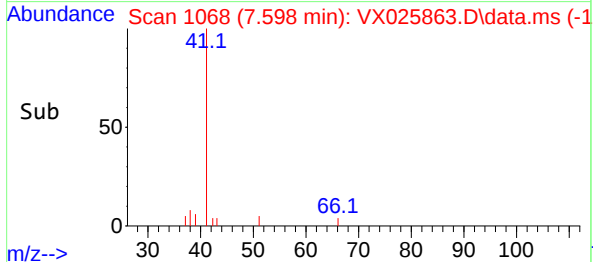
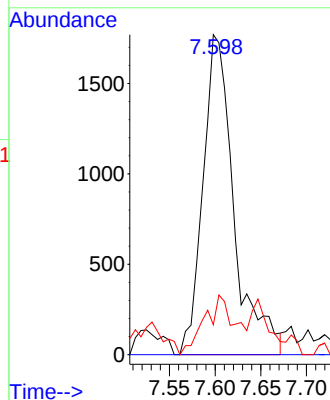
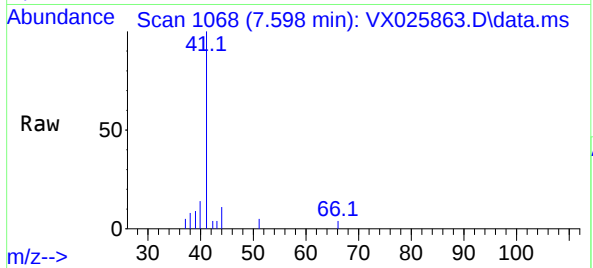




#48
Methyl methacrylate
Concen: 2.153 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

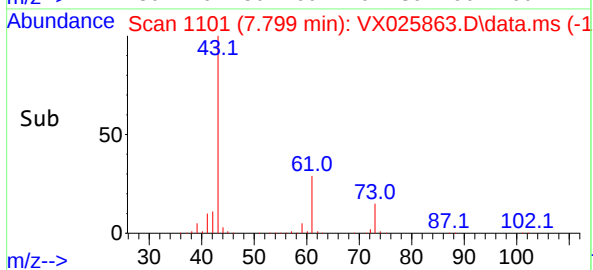
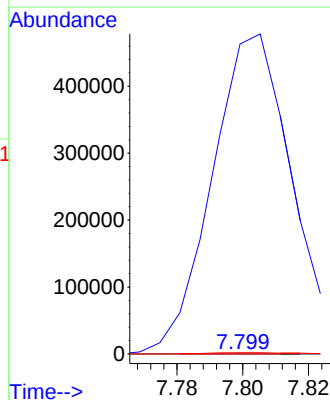
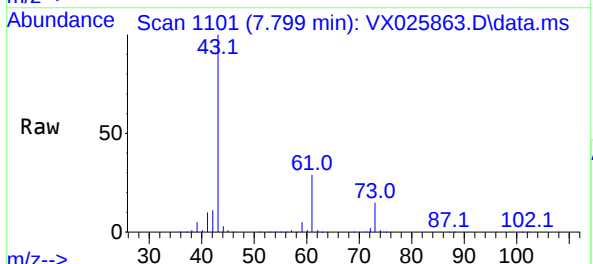
Instrument :
MSVOA_X
ClientSampleId :

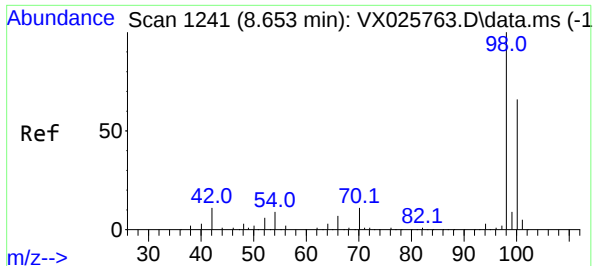
Tgt Ion: 41 Resp: 4183
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 1.155 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 1678116.3 25.3 37.9#
58 7473.5 51.8 77.6#

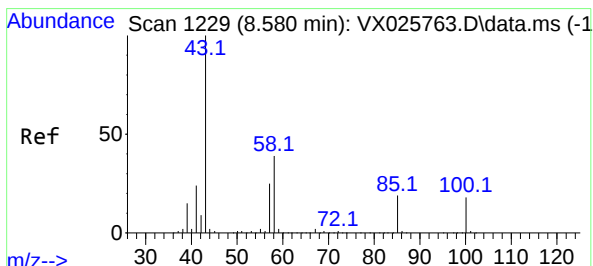
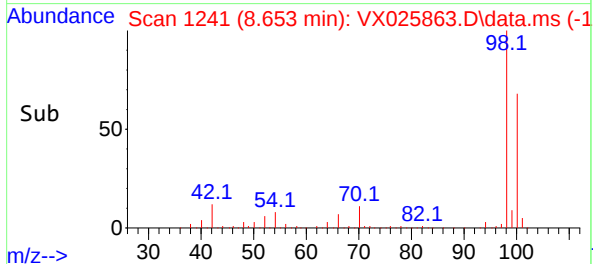
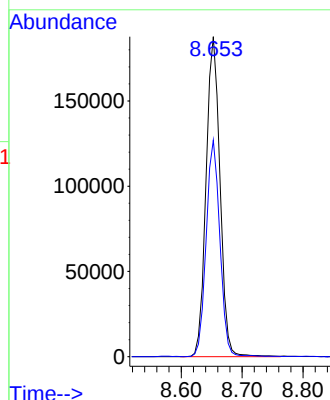
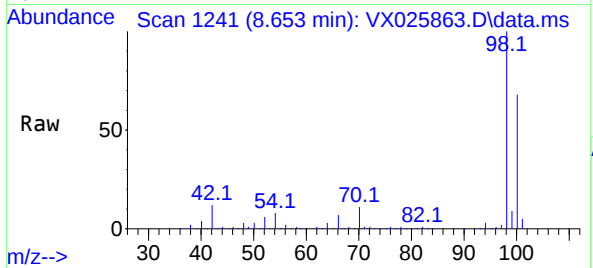




#50
Toluene-d8
Concen: 48.199 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

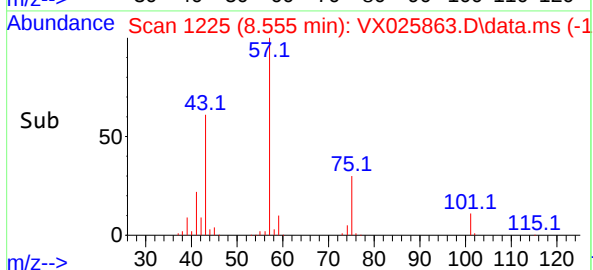
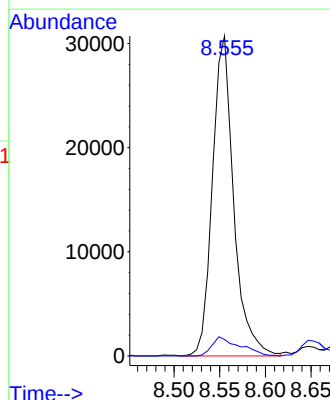
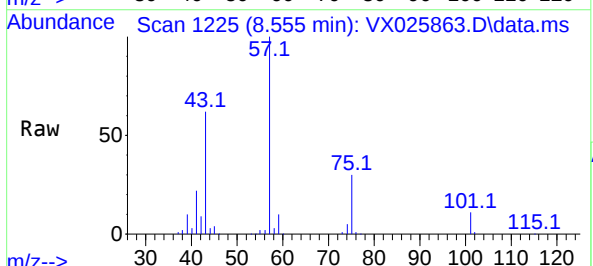
Instrument :
MSVOA_X
ClientSampleId :

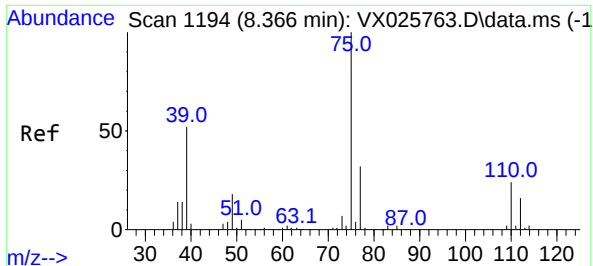
Tgt Ion: 98 Resp: 298481
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.379 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 43 Resp: 49637
Ion Ratio Lower Upper
43 100
58 7.8 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 8.102 ug/l

RT: 8.555 min Scan# 11

Delta R.T. 0.189 min

Lab File: VX025863.D

Acq: 16 Dec 2021 18:16

Instrument :

MSVOA_X

ClientSampleId :

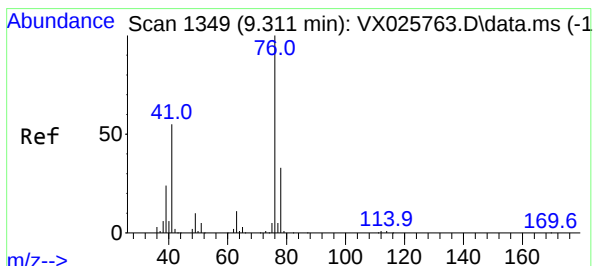
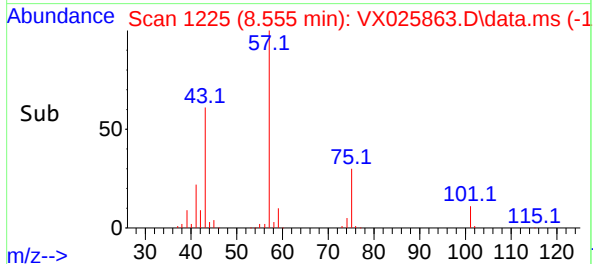
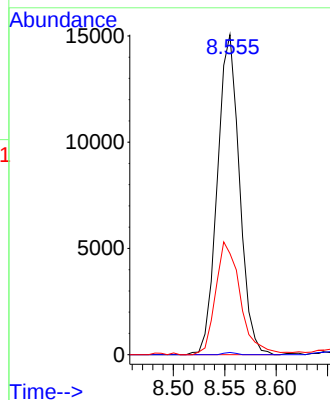
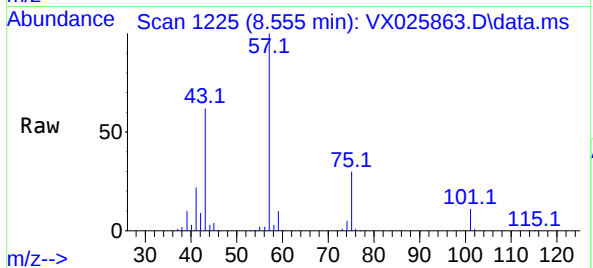
Tgt Ion: 75 Resp: 22468

Ion Ratio Lower Upper

75 100

77 0.7 25.3 37.9#

39 31.6 41.4 62.0#



#57

1,3-Dichloropropane

Concen: 4.838 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.176 min

Lab File: VX025863.D

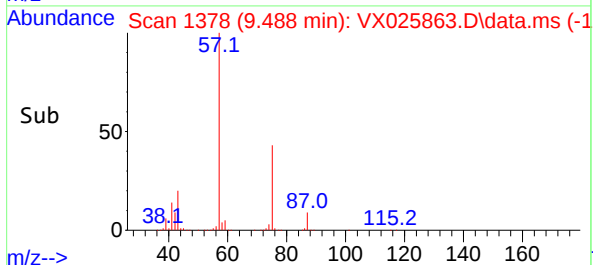
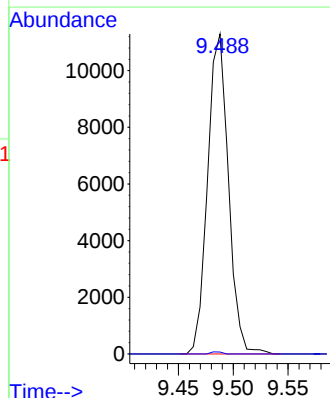
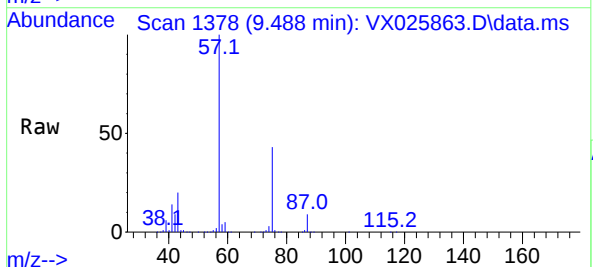
Acq: 16 Dec 2021 18:16

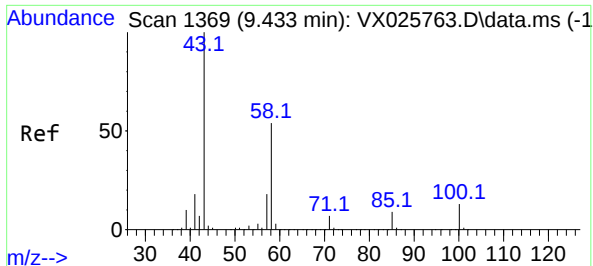
Tgt Ion: 76 Resp: 14910

Ion Ratio Lower Upper

76 100

78 0.4 26.0 39.0#

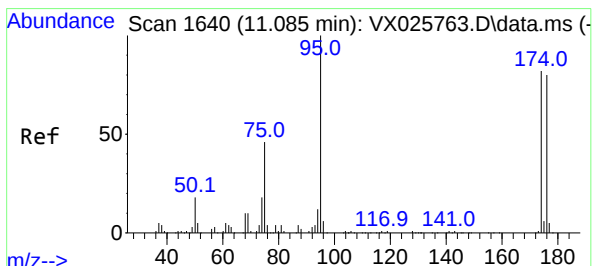
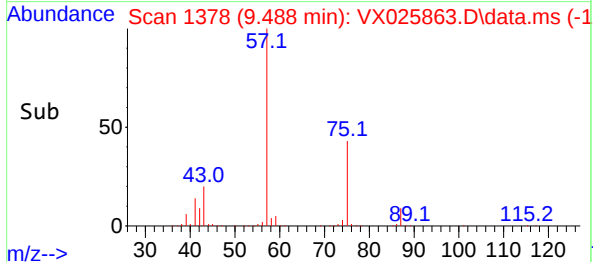
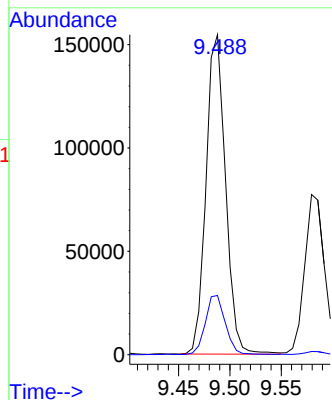
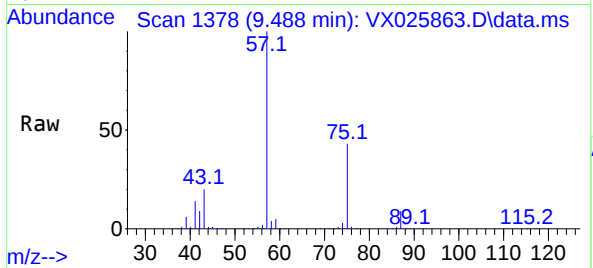




#59
2-Hexanone
Concen: 99.632 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

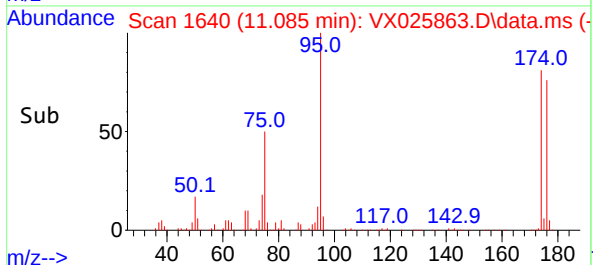
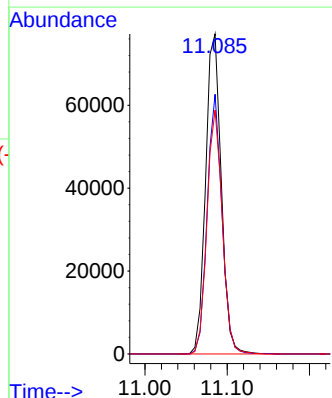
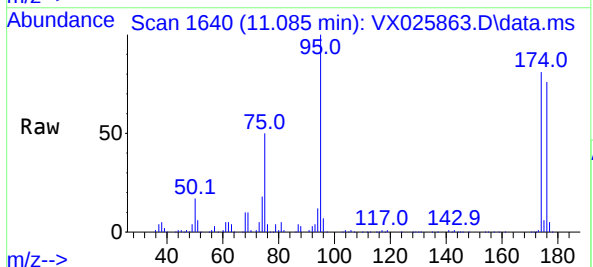
Instrument :
MSVOA_X
ClientSampleId :

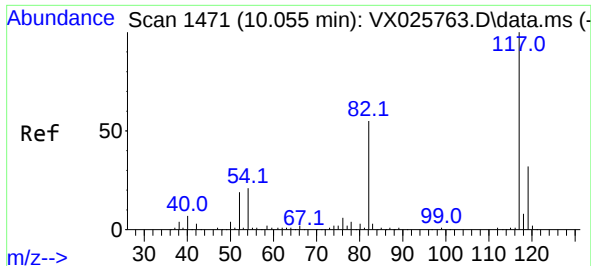
Tgt Ion: 43 Resp: 203882
Ion Ratio Lower Upper
43 100
58 19.0 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 43.323 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 95 Resp: 101913
Ion Ratio Lower Upper
95 100
174 76.7 0.0 157.4
176 74.6 0.0 154.6

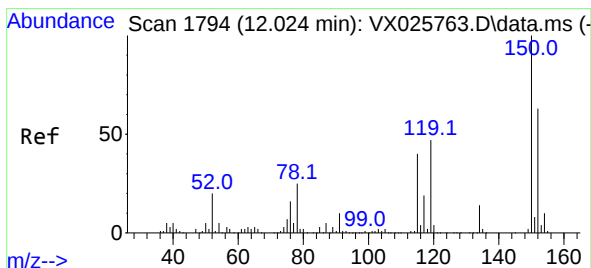
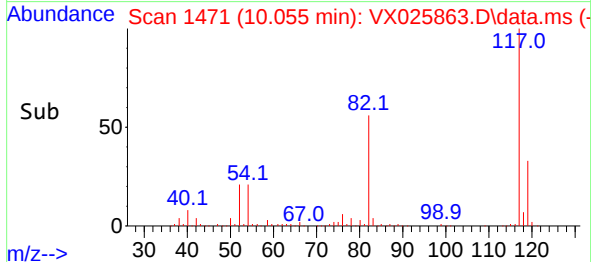
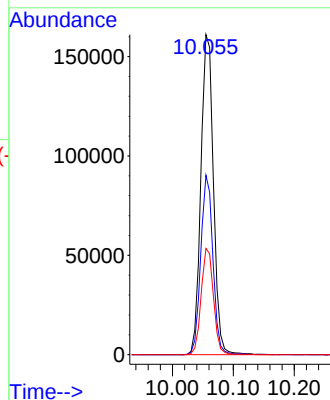
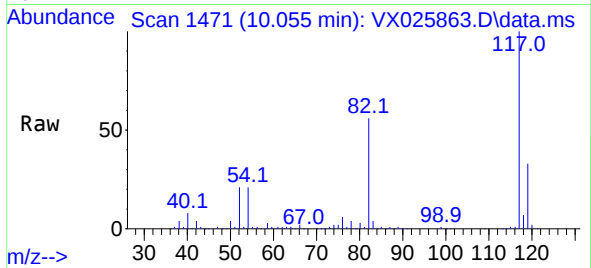




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

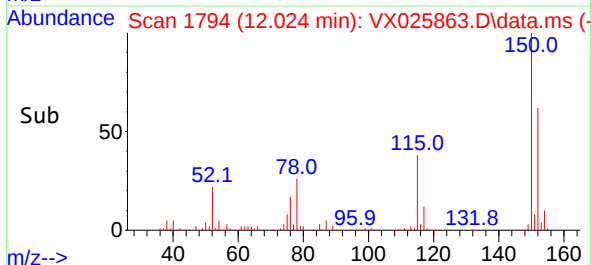
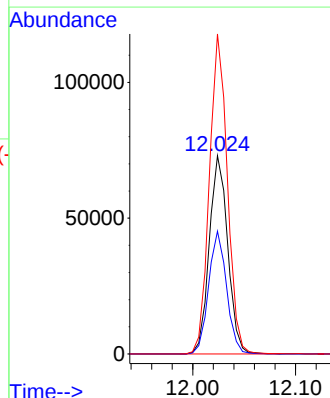
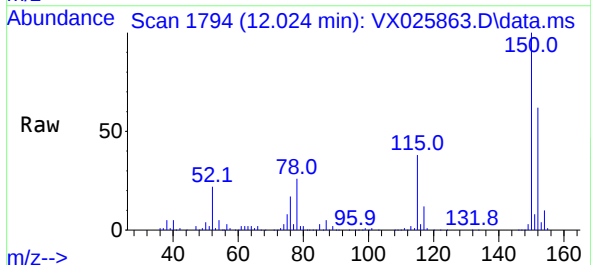
Instrument :
MSVOA_X
ClientSampleId :

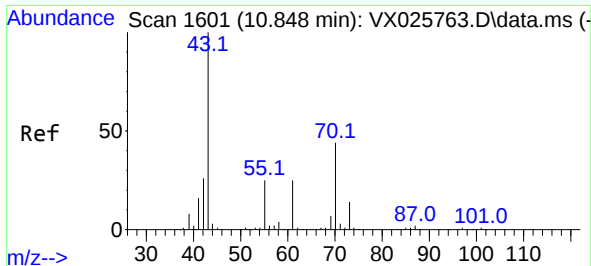
Tgt Ion:117 Resp: 230883
Ion Ratio Lower Upper
117 100
82 56.0 43.8 65.6
119 33.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion:152 Resp: 91357
Ion Ratio Lower Upper
152 100
115 60.2 41.3 123.9
150 157.3 0.0 351.8

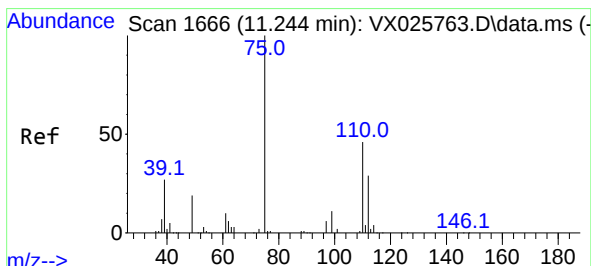
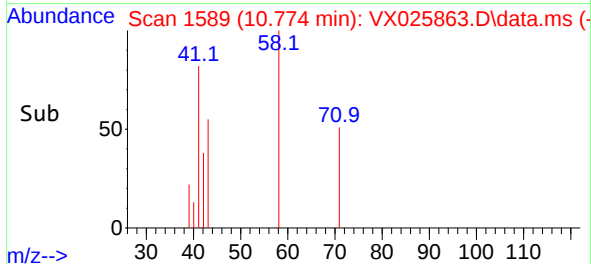
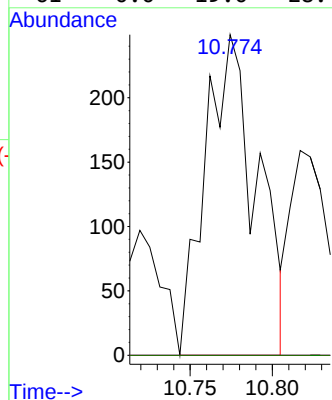
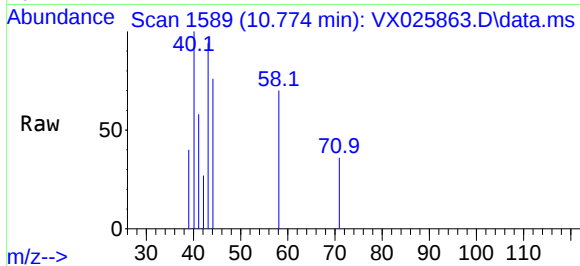




#74
N-amy1 acetate
Concen: 0.204 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

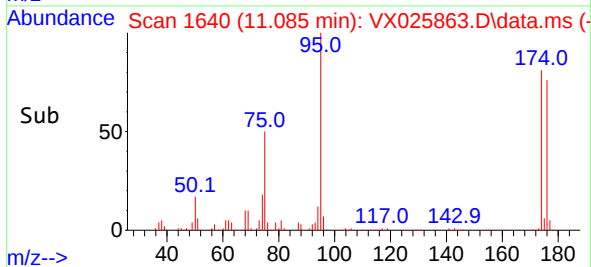
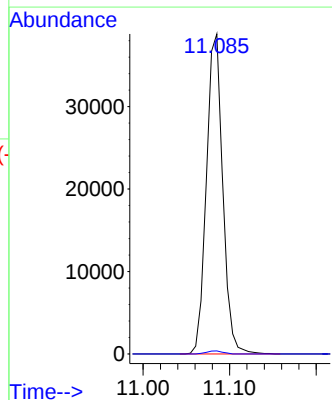
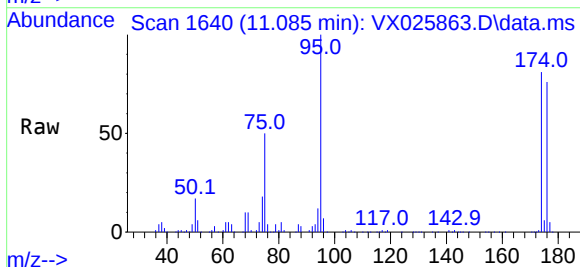
Instrument :
MSVOA_X
ClientSampleId :

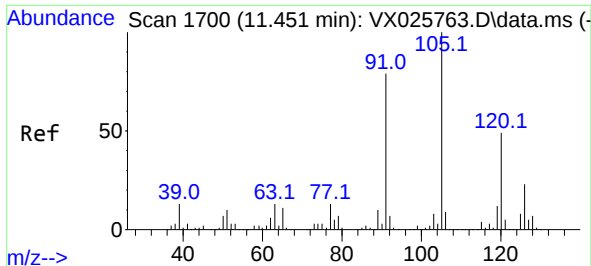
Tgt Ion: 43	Resp: 544
Ion Ratio	Lower Upper
43	100
70	0.0 34.1 51.1#
55	0.0 19.2 28.8#
61	0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 24.244 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Tgt Ion: 75	Resp: 50746
Ion Ratio	Lower Upper
75	100
77	1.0 19.0 57.0#

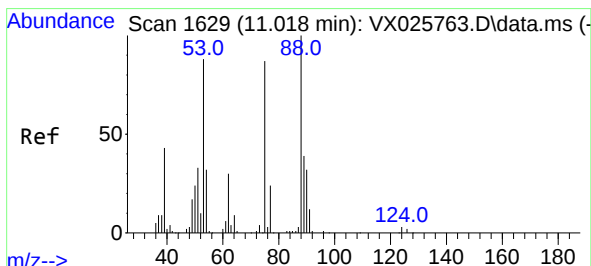
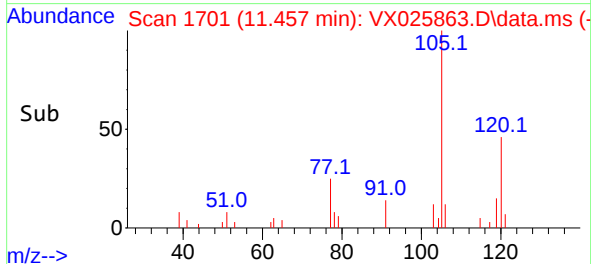
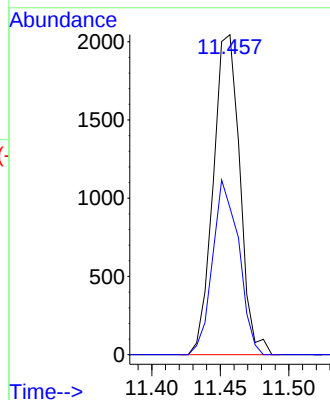
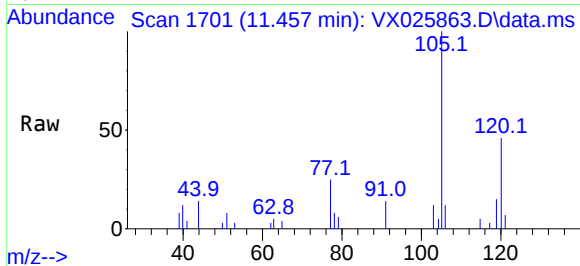




#80
1,3,5-Trimethylbenzene
Concen: 0.503 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

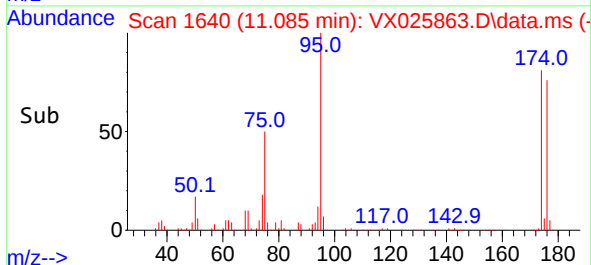
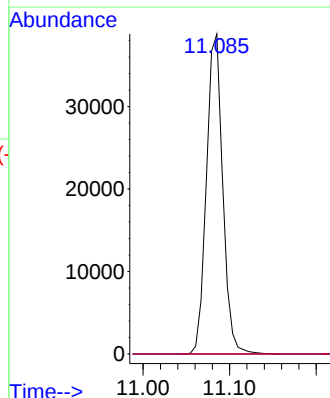
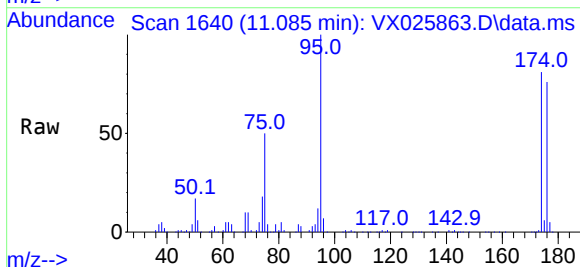
Instrument :
MSVOA_X
ClientSampleId :

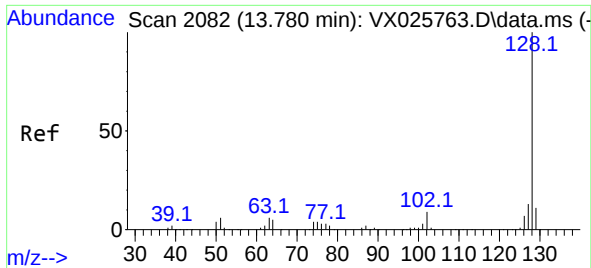
Tgt Ion:105 Resp: 2764
Ion Ratio Lower Upper
105 100
120 53.7 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 75.163 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

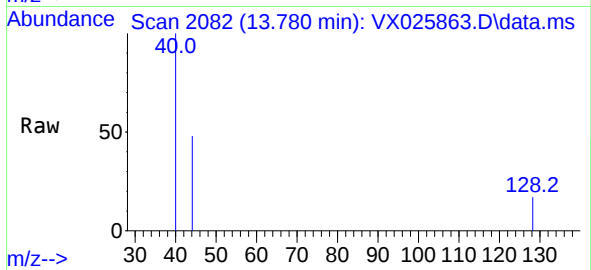
Tgt Ion: 75 Resp: 50746
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 2.417 ug/l
RT: 13.780 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025863.D
Acq: 16 Dec 2021 18:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 39
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

