

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025865.D
 Acq On : 16 Dec 2021 19:04
 Operator : JC/MD
 Sample : M5097-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 02:35:43 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)

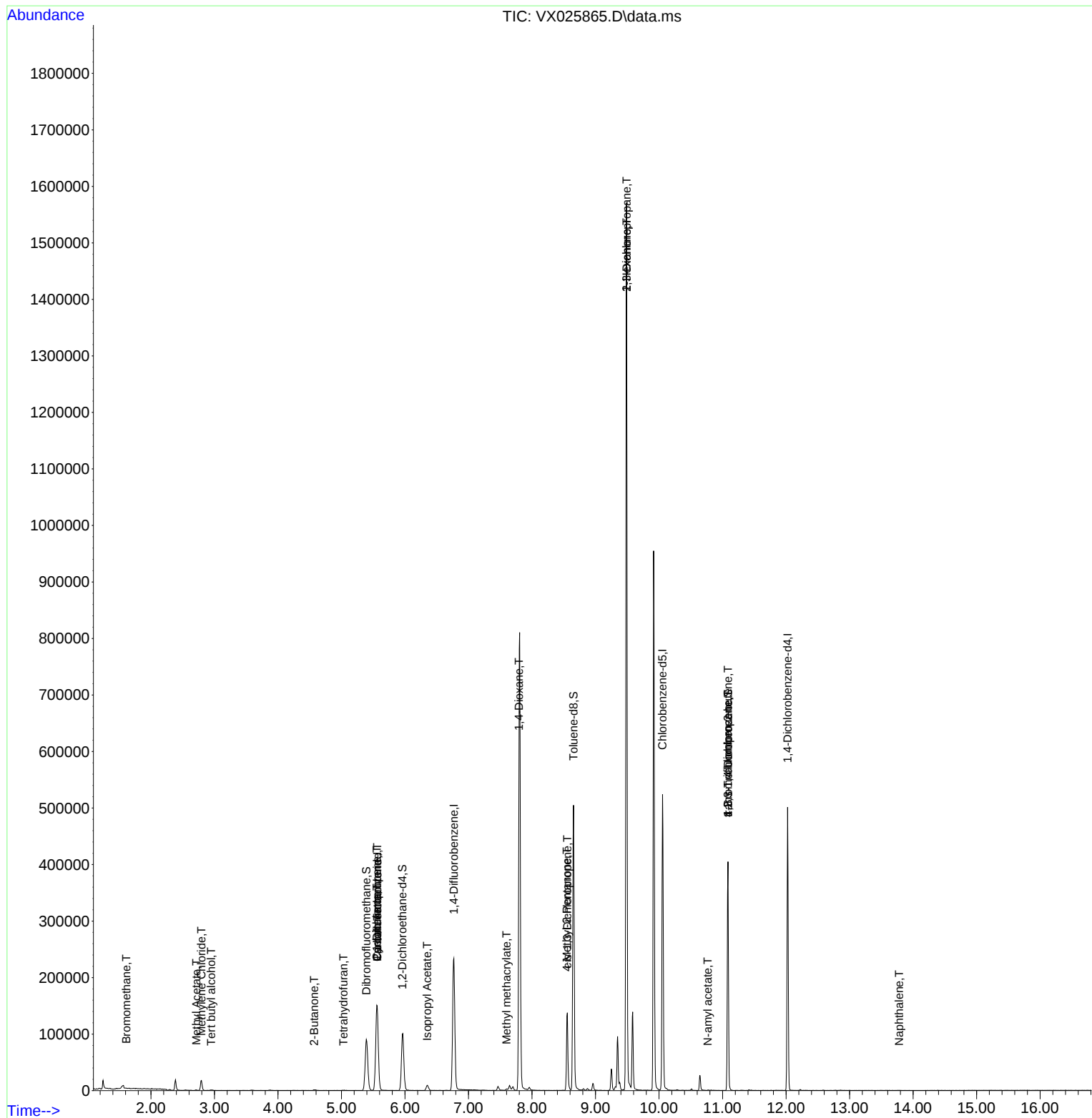
Internal Standards						
1) Pentafluorobenzene	5.562	168	140961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95811	47.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.480%		
35) Dibromofluoromethane	5.391	113	77337	45.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.960%		
50) Toluene-d8	8.653	98	294819	47.586	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.180%		
62) 4-Bromofluorobenzene	11.085	95	103904	44.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.300%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	345	0.277	ug/l #	80
11) Tert butyl alcohol	2.946	59	645	1.585	ug/l #	73
18) Methyl Acetate	2.715	43	1031	0.334	ug/l #	90
20) Methylene Chloride	2.794	84	8078	2.351	ug/l	86
25) 2-Butanone	4.568	43	2157	1.581	ug/l #	89
29) Tetrahydrofuran	5.031	42	343	0.395	ug/l #	66
31) Cyclohexane	5.556	56	3176	1.288	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	11705	5.076	ug/l #	48
38) Carbon Tetrachloride	5.562	117	15223	5.674	ug/l #	15
43) Isopropyl Acetate	6.348	43	12328	2.987	ug/l	99
48) Methyl methacrylate	7.598	41	4182	2.152	ug/l #	12
49) 1,4-Dioxane	7.793	88	106	2.498	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47060	17.417	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	21836	7.870	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	12970	4.207	ug/l #	43
59) 2-Hexanone	9.488	43	182517	89.152	ug/l #	51
74) N-amyl acetate	10.768	43	715	0.245	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	54178	23.614	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54178	73.208	ug/l #	10
95) Naphthalene	13.780	128	47	2.418	ug/l #	69

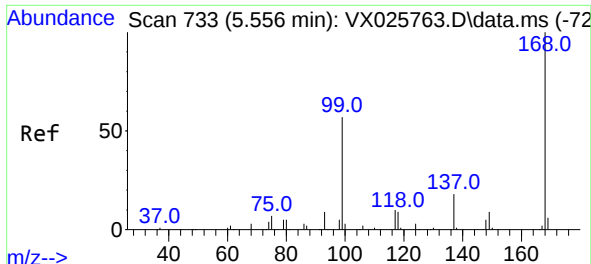
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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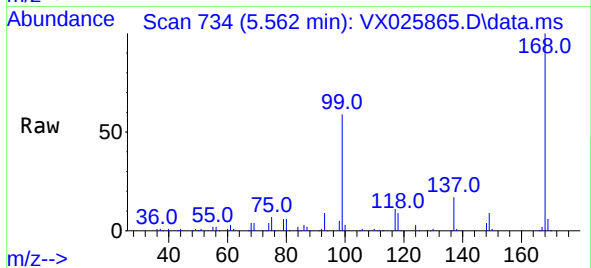
Quant Time: Dec 17 02:35:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



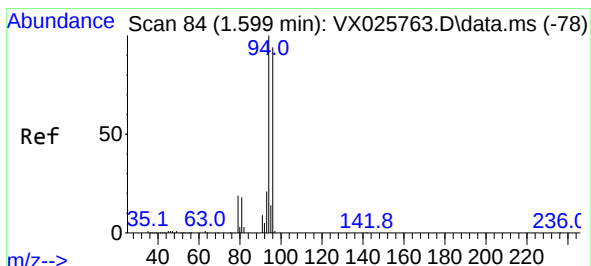
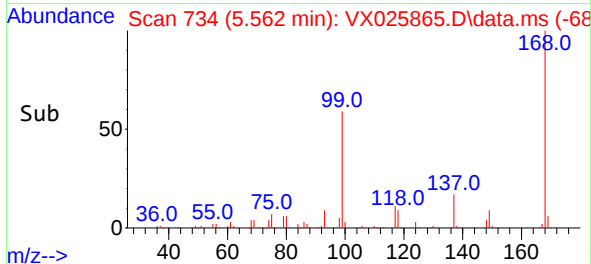
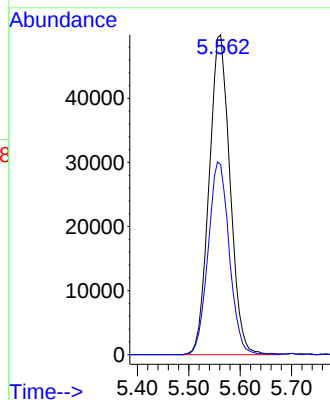


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Instrument :
MSVOA_X
ClientSampleId :

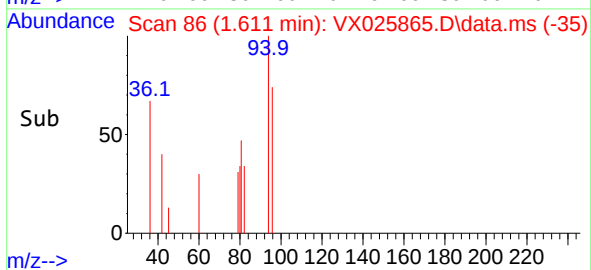
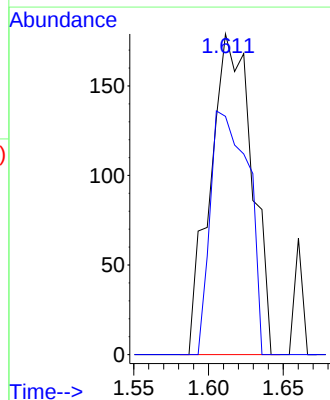
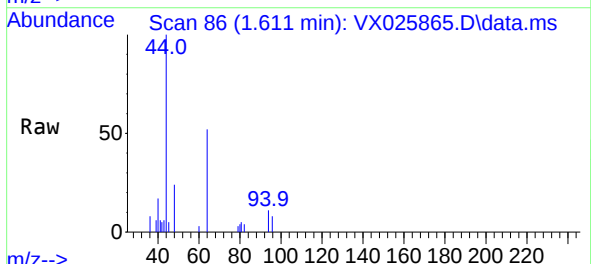


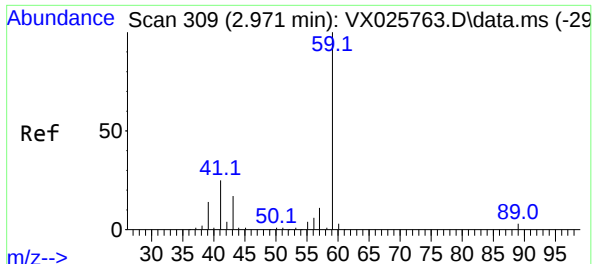
Tgt Ion:168 Resp: 140961
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.8



#5
Bromomethane
Concen: 0.277 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 74.3 75.0 112.4#





#11

Tert butyl alcohol

Concen: 1.585 ug/l

RT: 2.946 min Scan# 309

Delta R.T. -0.025 min

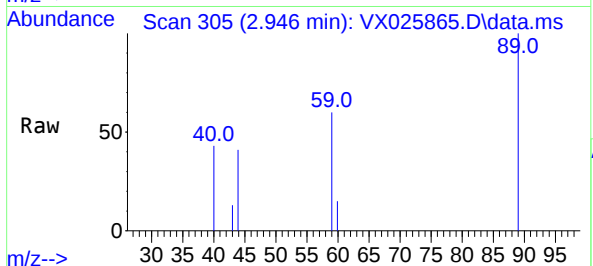
Lab File: VX025865.D

Acq: 16 Dec 2021 19:04

Instrument :

MSVOA_X

ClientSampleId :

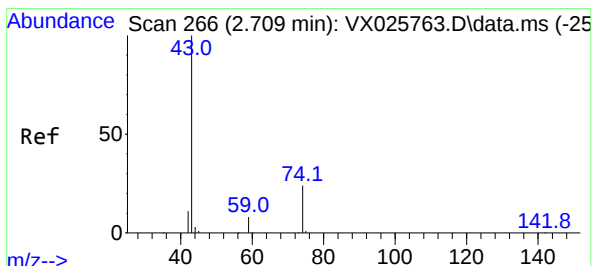
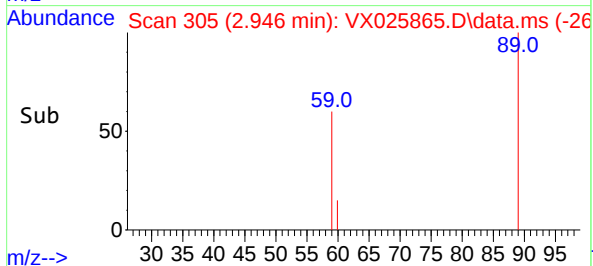
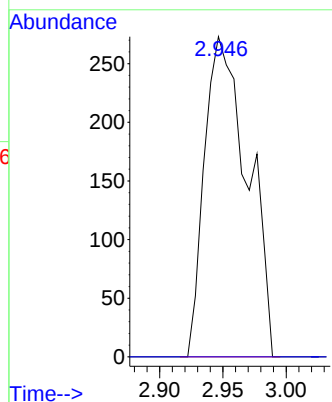


Tgt Ion: 59 Resp: 645

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#18

Methyl Acetate

Concen: 0.334 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX025865.D

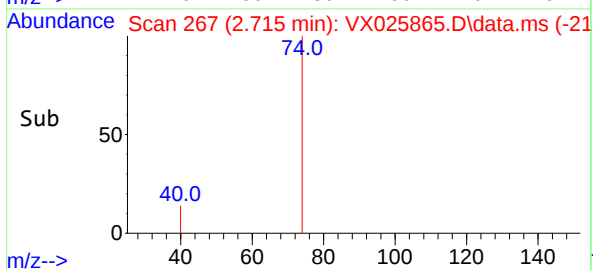
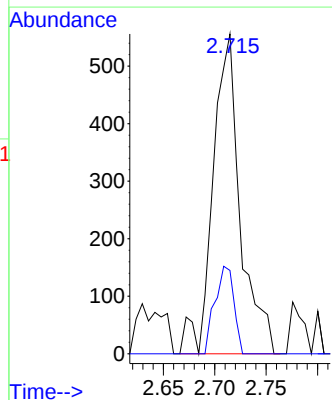
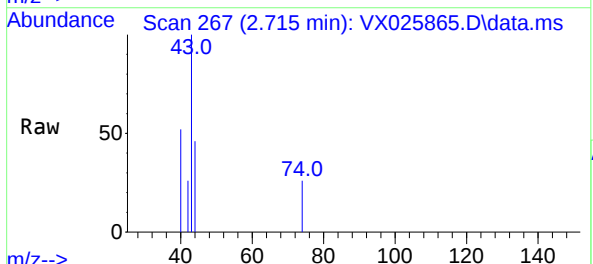
Acq: 16 Dec 2021 19:04

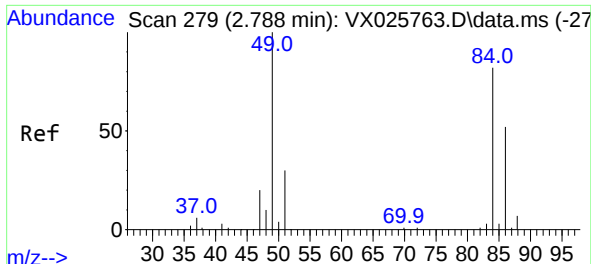
Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

43 100

74 18.9 19.1 28.7#





#20

Methylene Chloride

Concen: 2.351 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

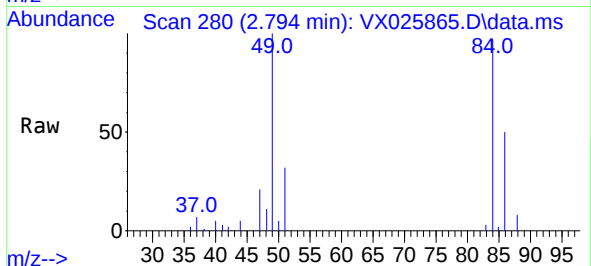
Lab File: VX025865.D

Acq: 16 Dec 2021 19:04

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 8078

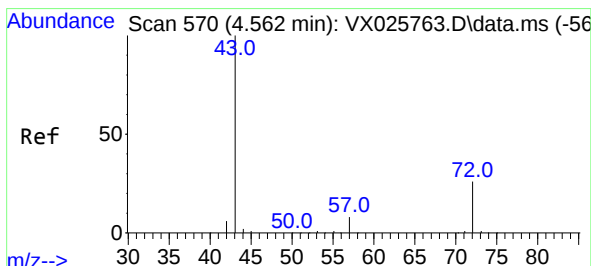
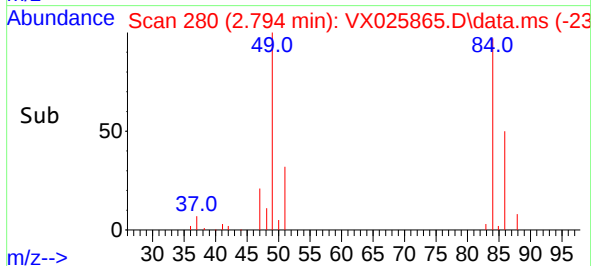
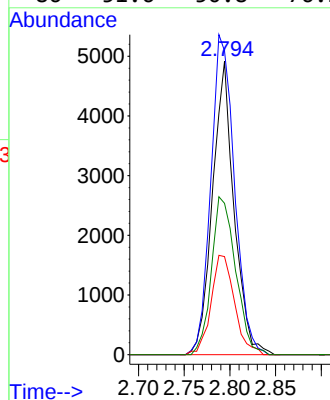
Ion Ratio Lower Upper

84 100

49 103.6 97.1 145.7

51 33.4 29.3 43.9

86 51.6 50.8 76.2



#25

2-Butanone

Concen: 1.581 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX025865.D

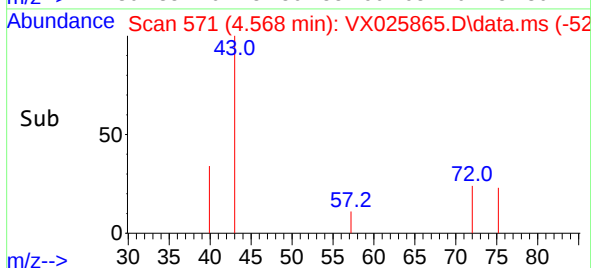
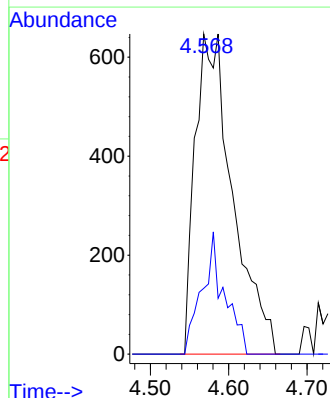
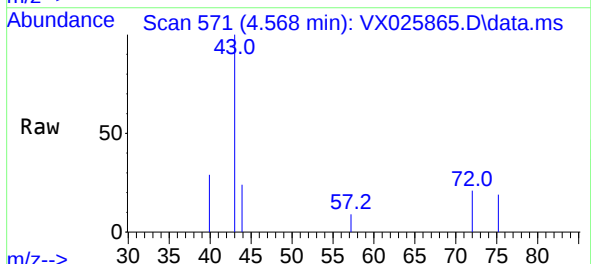
Acq: 16 Dec 2021 19:04

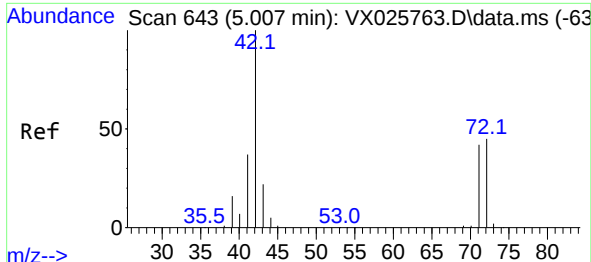
Tgt Ion: 43 Resp: 2157

Ion Ratio Lower Upper

43 100

72 20.6 21.0 31.4#





#29

Tetrahydrofuran

Concen: 0.395 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX025865.D

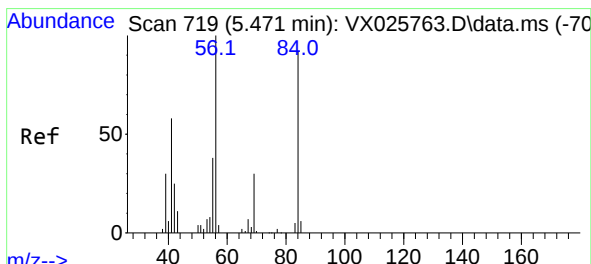
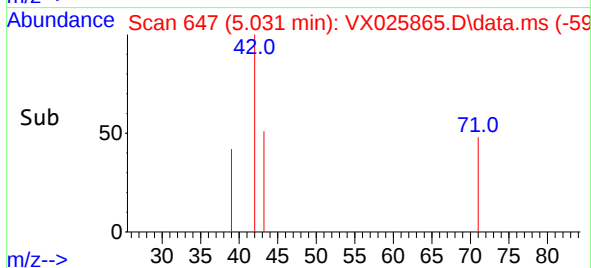
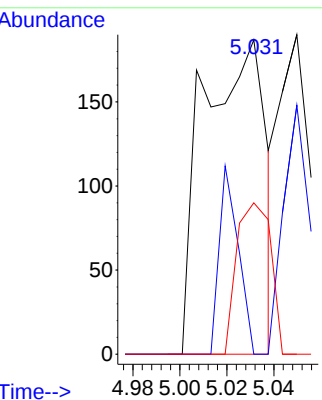
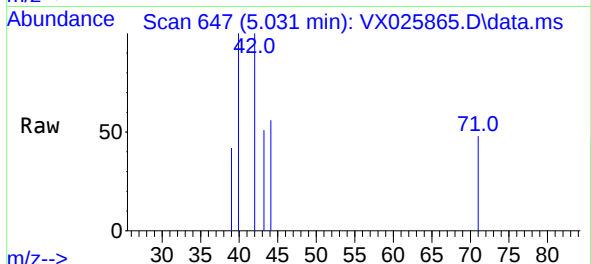
Acq: 16 Dec 2021 19:04

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	343
Ion	Ratio	Lower	Upper
42	100		
72	18.4	37.0	55.6#
71	26.5	34.1	51.1#



#31

Cyclohexane

Concen: 1.288 ug/l

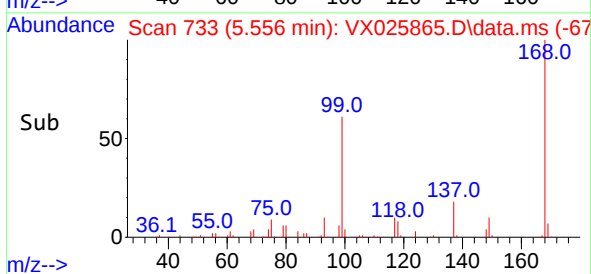
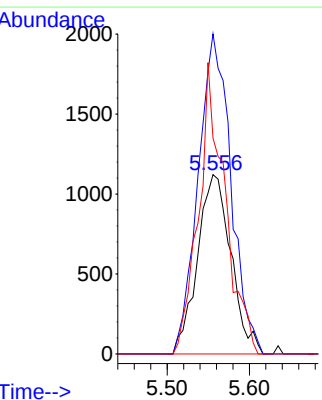
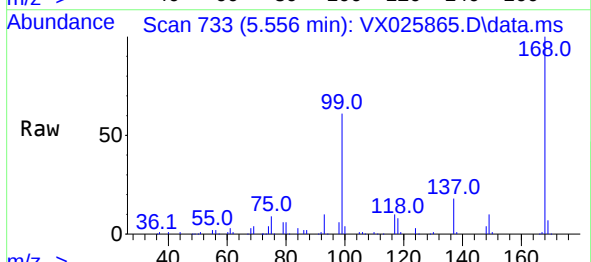
RT: 5.556 min Scan# 733

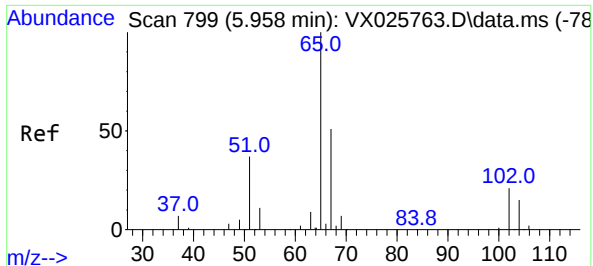
Delta R.T. 0.085 min

Lab File: VX025865.D

Acq: 16 Dec 2021 19:04

Tgt Ion:	56	Resp:	3176
Ion	Ratio	Lower	Upper
56	100		
69	178.3	23.9	35.9#
84	120.3	73.2	109.8#

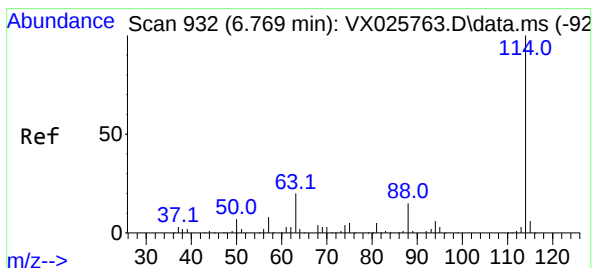
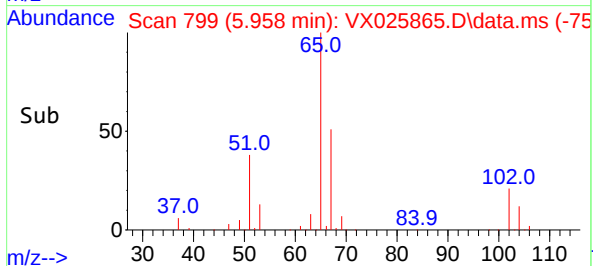
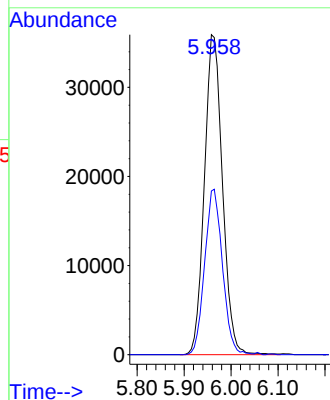
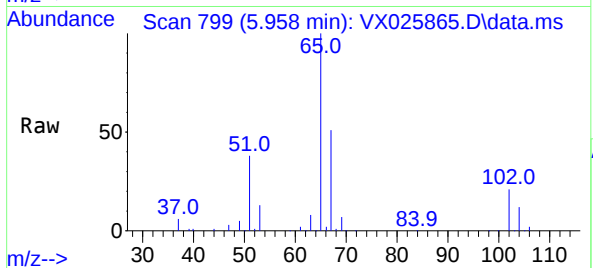




#33
1,2-Dichloroethane-d4
Concen: 47.240 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

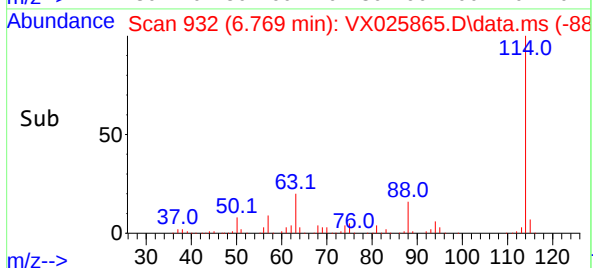
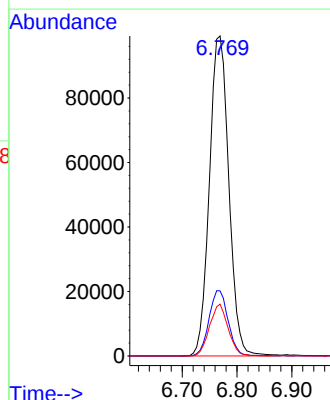
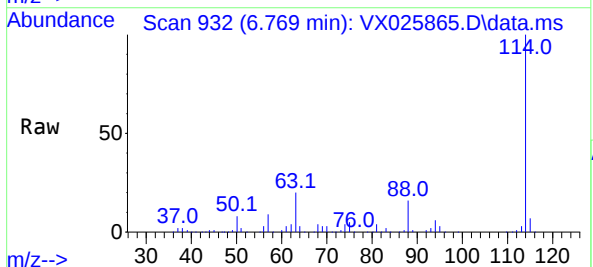
Instrument :
MSVOA_X
ClientSampleId :

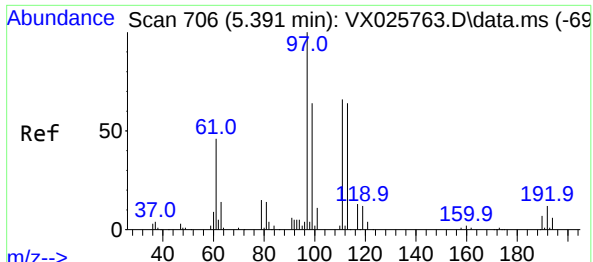
Tgt Ion: 65 Resp: 95811
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

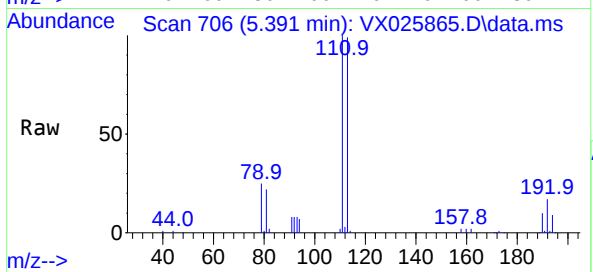
Tgt Ion:114 Resp: 243819
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 16.2 0.0 30.6



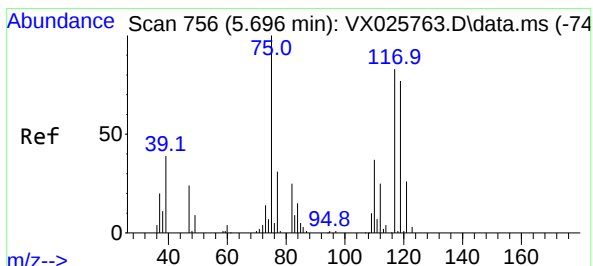
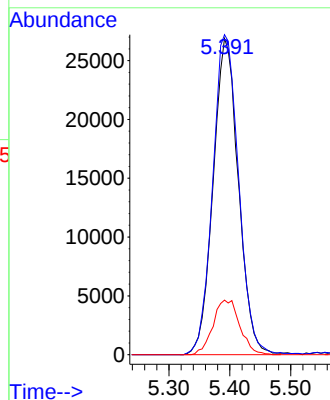
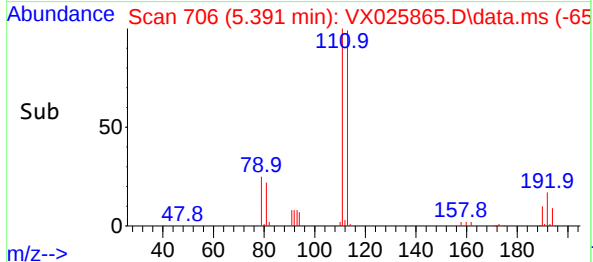


#35
Dibromofluoromethane
Concen: 45.481 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

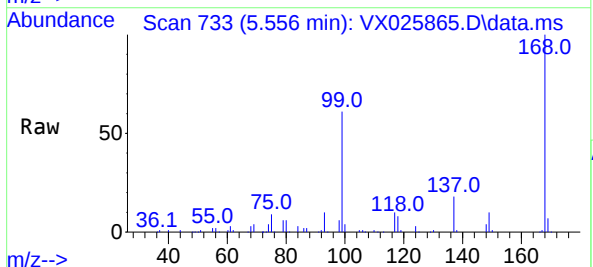
Instrument :
MSVOA_X
ClientSampleId :



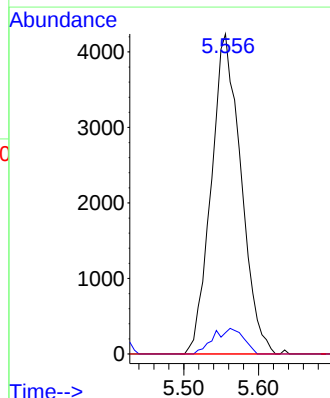
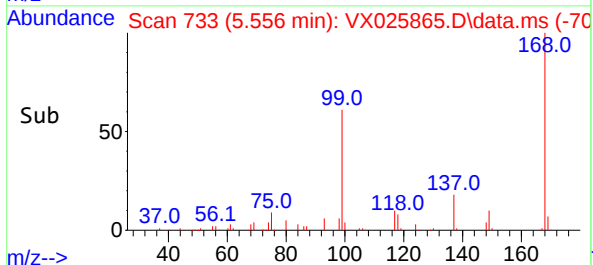
Tgt Ion:113 Resp: 77337
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.8
192 18.3 15.0 22.4

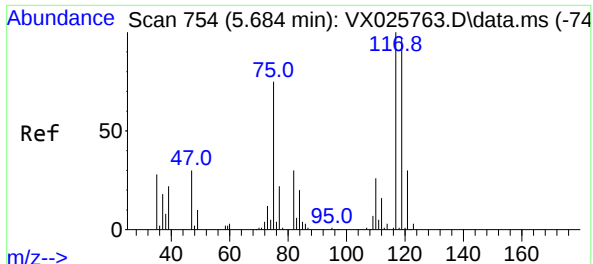


#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04



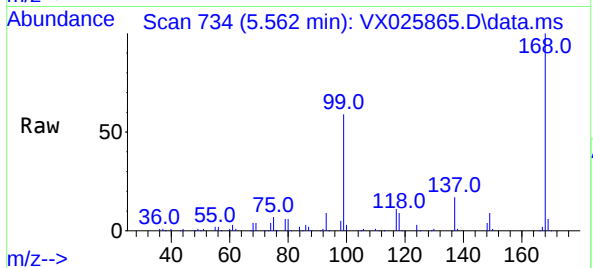
Tgt Ion: 75 Resp: 11705
Ion Ratio Lower Upper
75 100
110 8.1 18.2 54.6#
77 0.0 24.7 37.1#



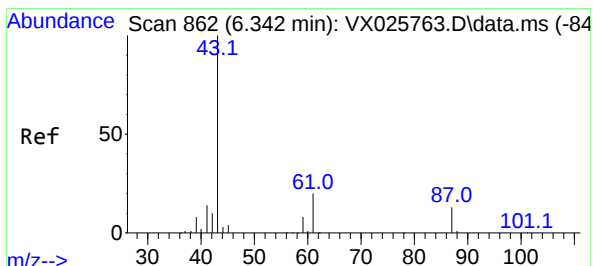
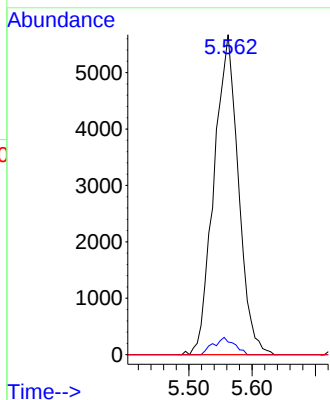
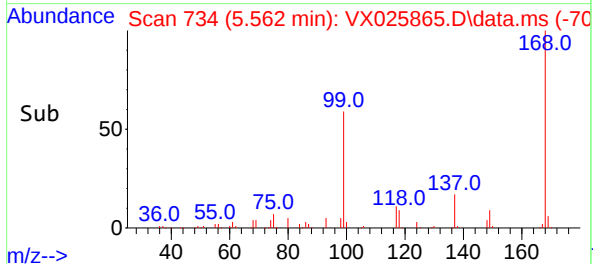


#38
Carbon Tetrachloride
Concen: 5.674 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Instrument :
MSVOA_X
ClientSampleId :

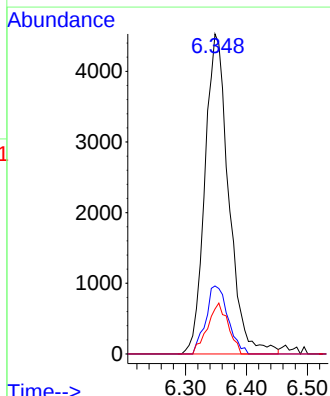
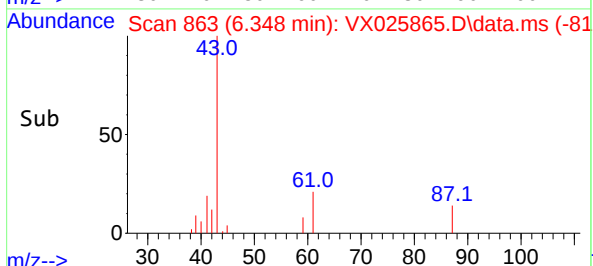
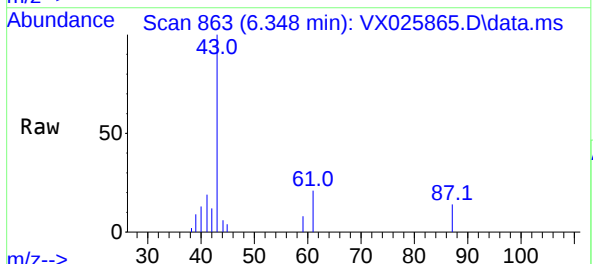


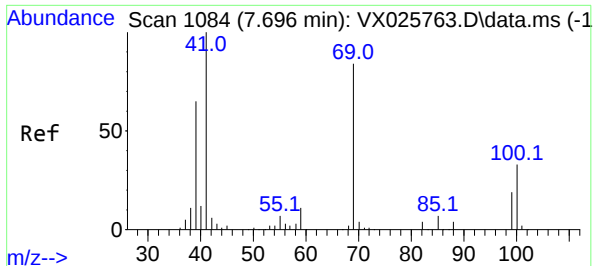
Tgt Ion:117 Resp: 15223
Ion Ratio Lower Upper
117 100
119 3.9 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 2.987 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

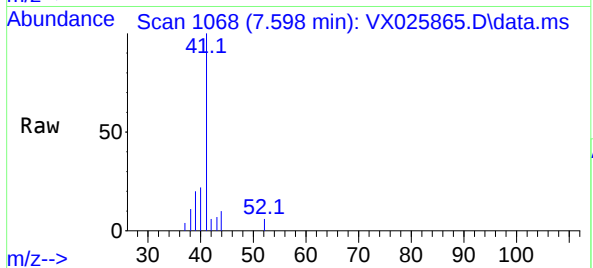
Tgt Ion: 43 Resp: 12328
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 13.7 11.2 16.8



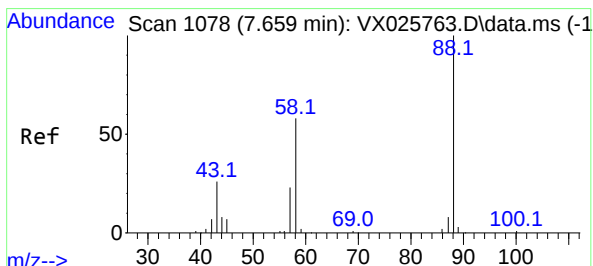
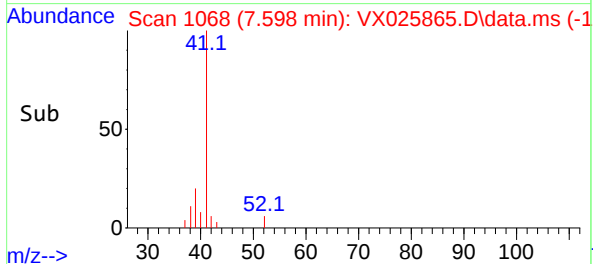
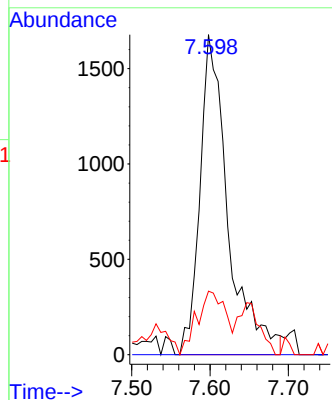


#48
Methyl methacrylate
Concen: 2.152 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Instrument :
MSVOA_X
ClientSampleId :

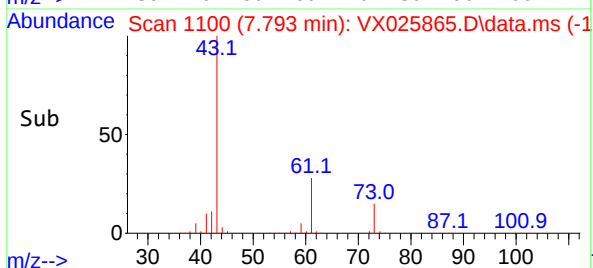
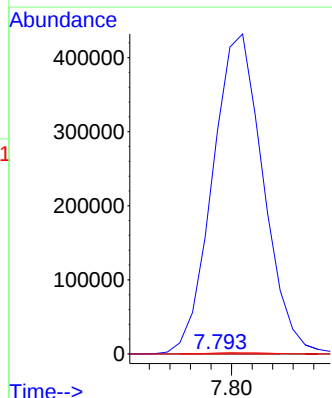
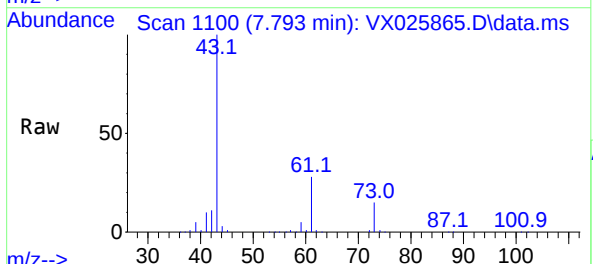


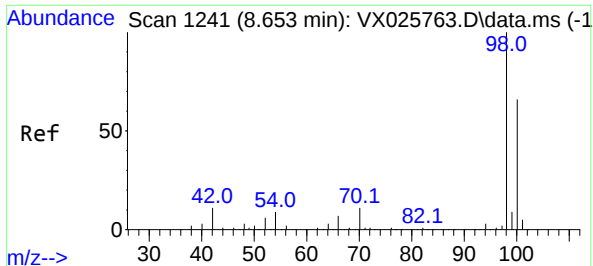
Tgt Ion: 41 Resp: 4182
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 2.498 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 706856.6 25.3 37.9#
58 3106.6 51.8 77.6#

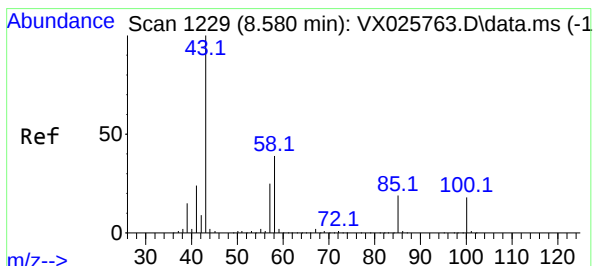
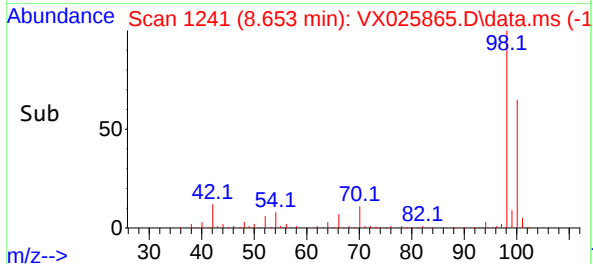
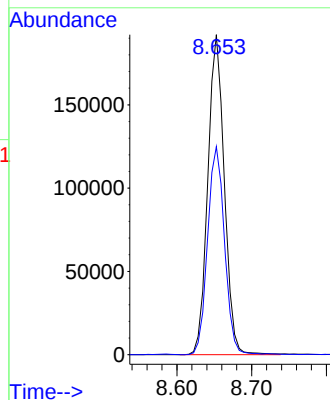
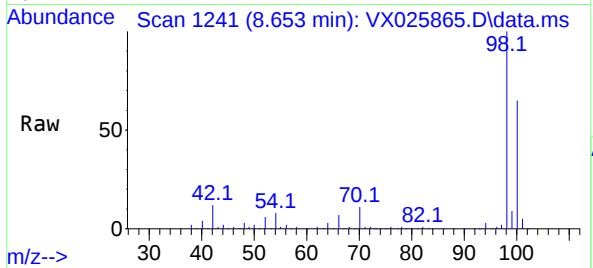




#50
Toluene-d8
Concen: 47.586 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

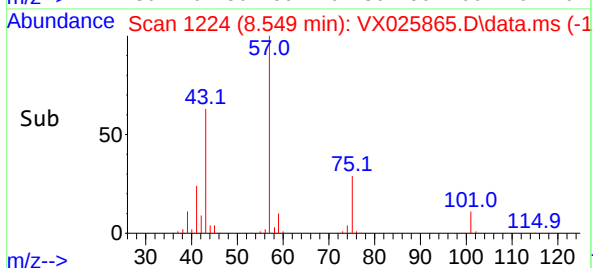
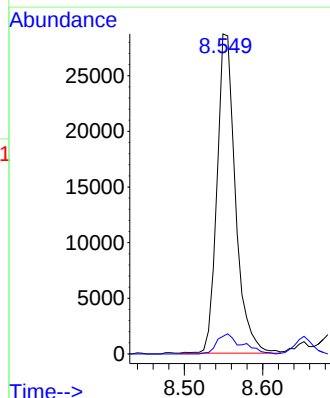
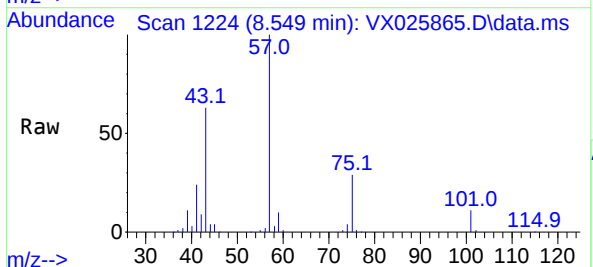
Instrument :
MSVOA_X
ClientSampleId :

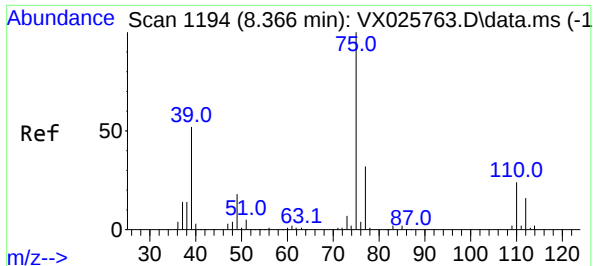
Tgt Ion: 98 Resp: 294819
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.417 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Tgt Ion: 43 Resp: 47060
Ion Ratio Lower Upper
43 100
58 8.5 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 7.870 ug/l

RT: 8.555 min Scan# 11

Delta R.T. 0.189 min

Lab File: VX025865.D

Acq: 16 Dec 2021 19:04

Instrument :

MSVOA_X

ClientSampleId :

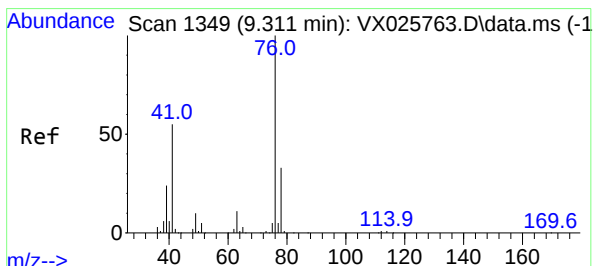
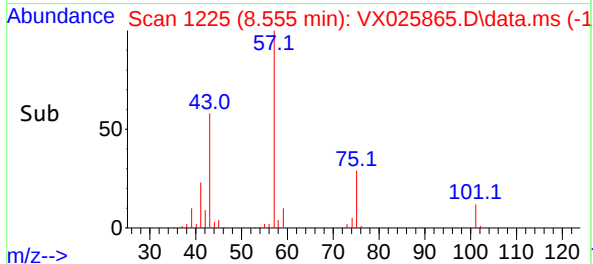
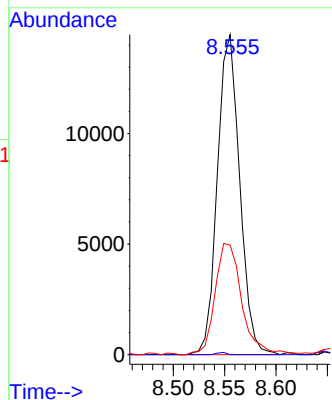
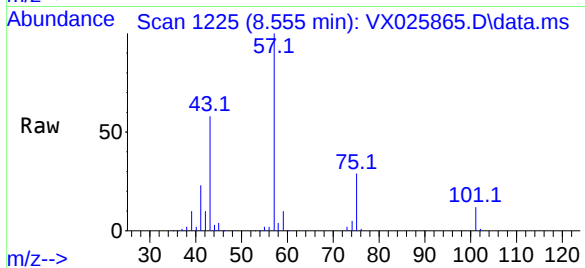
Tgt Ion: 75 Resp: 21836

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 34.3 41.4 62.0#



#57

1,3-Dichloropropane

Concen: 4.207 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX025865.D

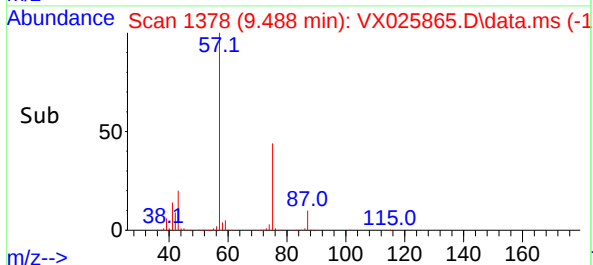
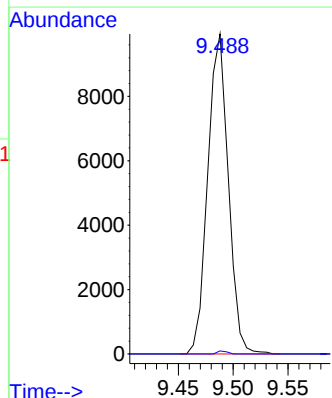
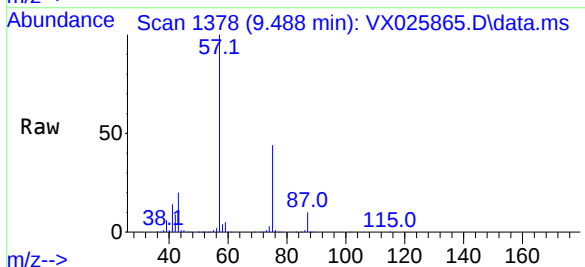
Acq: 16 Dec 2021 19:04

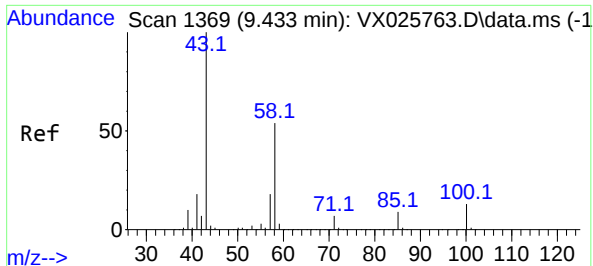
Tgt Ion: 76 Resp: 12970

Ion Ratio Lower Upper

76 100

78 0.5 26.0 39.0#





#59

2-Hexanone

Concen: 89.152 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX025865.D

Acq: 16 Dec 2021 19:04

Instrument :

MSVOA_X

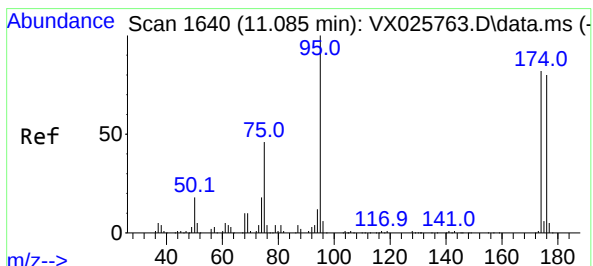
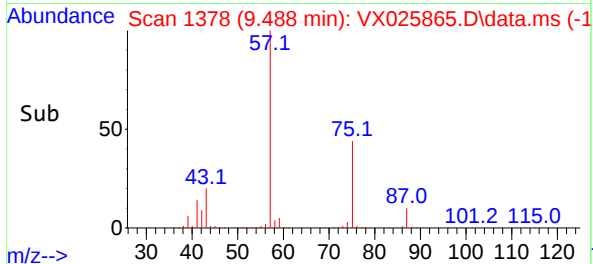
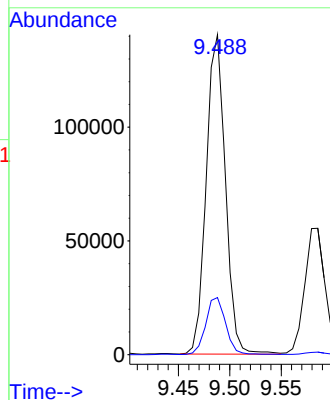
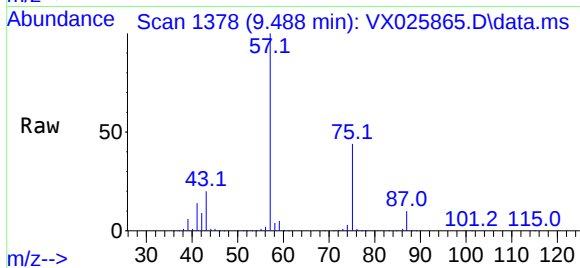
ClientSampleId :

Tgt Ion: 43 Resp: 182517

Ion Ratio Lower Upper

43 100

58 18.6 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 44.150 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025865.D

Acq: 16 Dec 2021 19:04

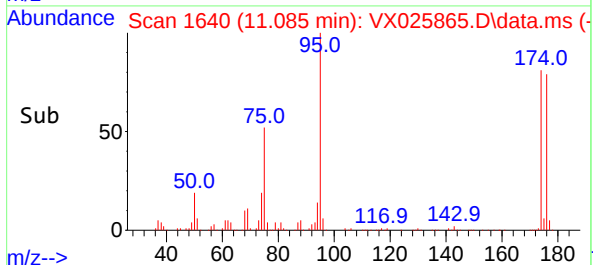
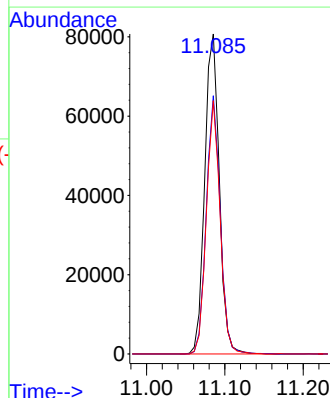
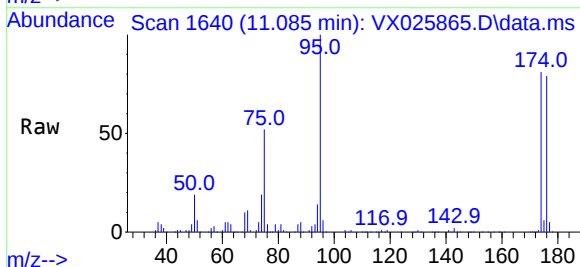
Tgt Ion: 95 Resp: 103904

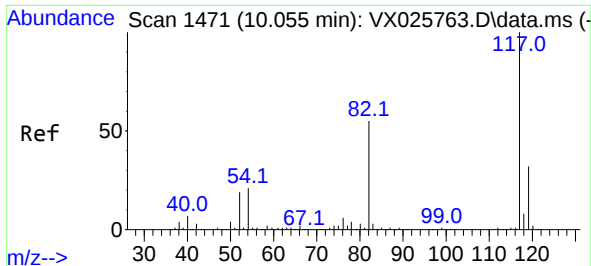
Ion Ratio Lower Upper

95 100

174 77.3 0.0 157.4

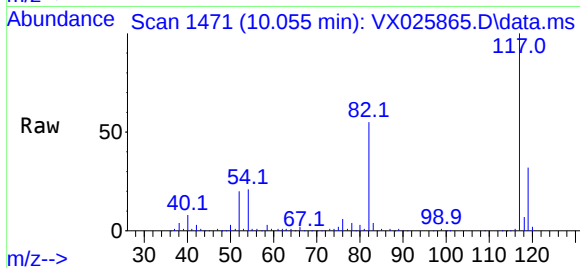
176 74.9 0.0 154.6



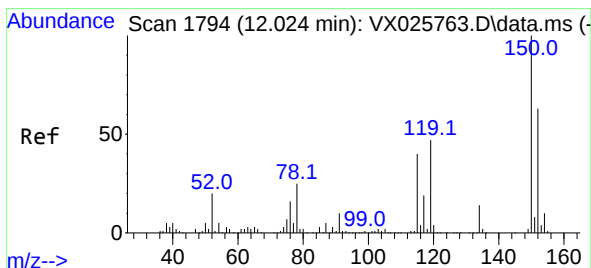
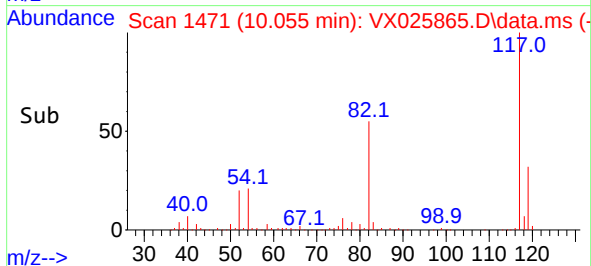
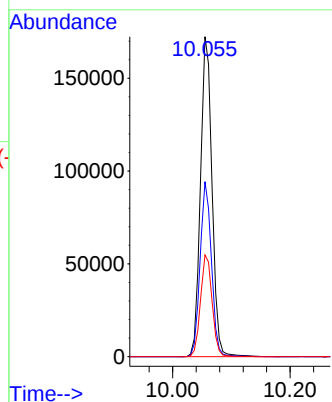


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Instrument :
MSVOA_X
ClientSampleId :

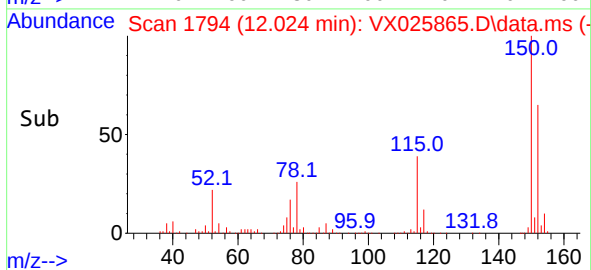
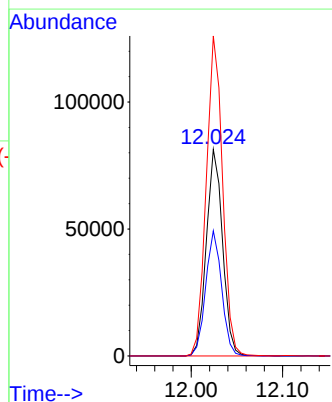
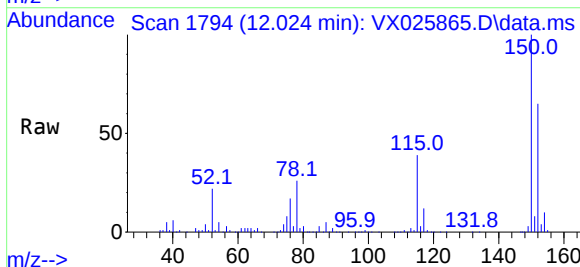


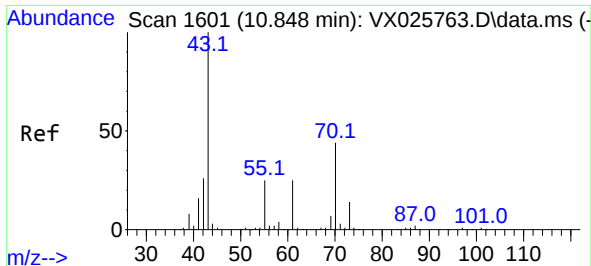
Tgt Ion:117 Resp: 235332
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.6
119 31.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

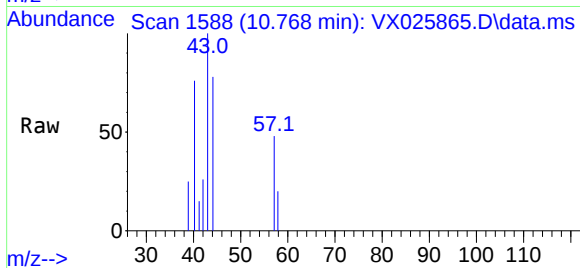
Tgt Ion:152 Resp: 100139
Ion Ratio Lower Upper
152 100
115 59.7 41.3 123.9
150 155.4 0.0 351.8





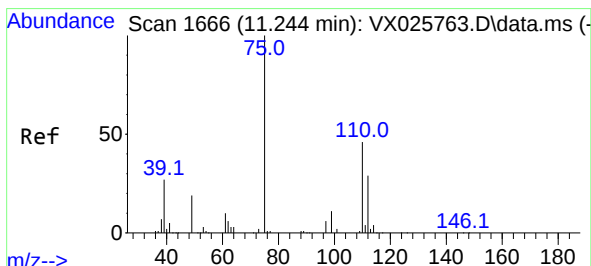
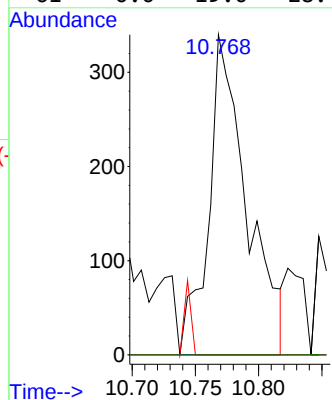
#74
N-amy1 acetate
Concen: 0.245 ug/l
RT: 10.768 min Scan# 11
Delta R.T. -0.079 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 43 Resp: 715

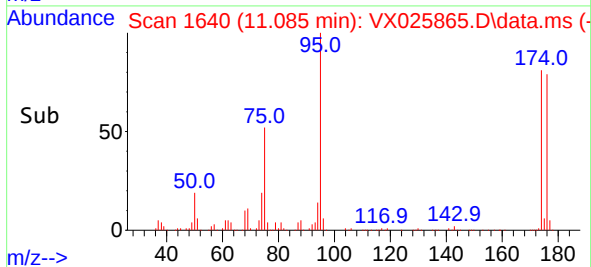
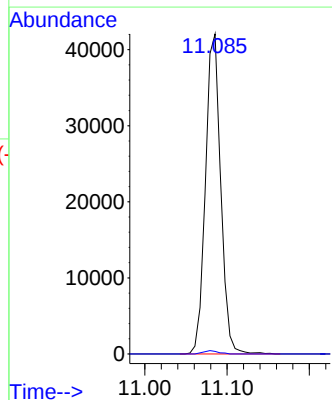
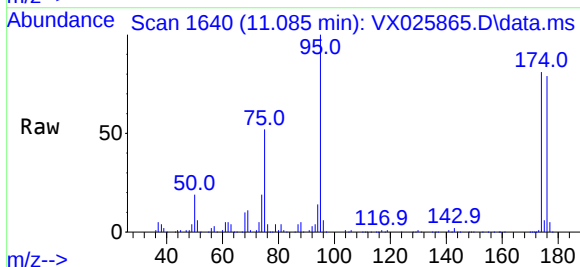
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.1	51.1#
55	0.0	19.2	28.8#
61	0.0	19.0	28.4#

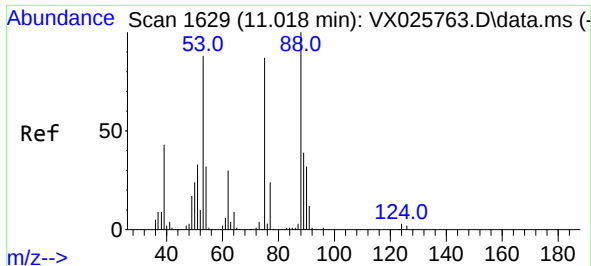


#76
1,2,3-Trichloropropane
Concen: 23.614 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

Tgt Ion: 75 Resp: 54178

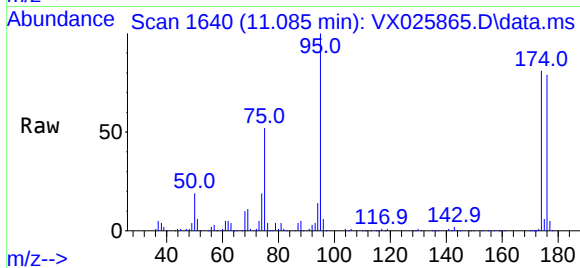
Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.0	57.0#



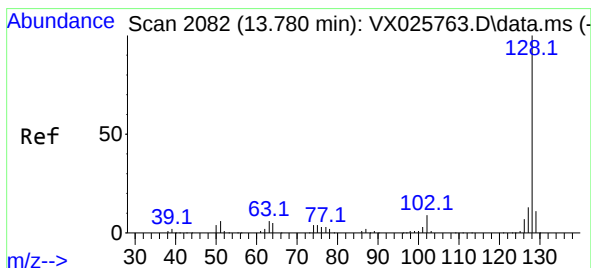
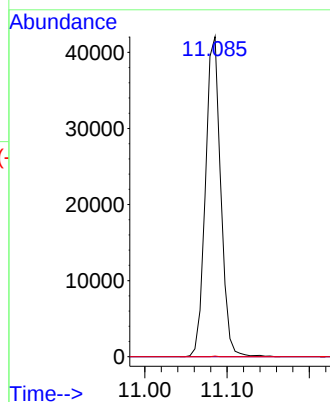
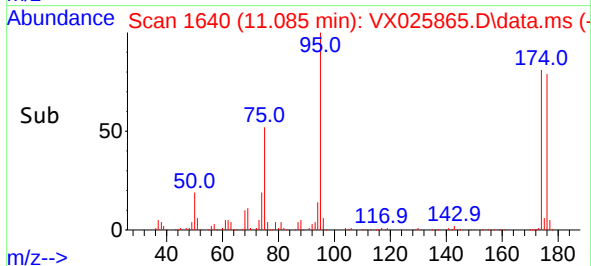


#81
trans-1,4-Dichloro-2-butene
Concen: 73.208 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04

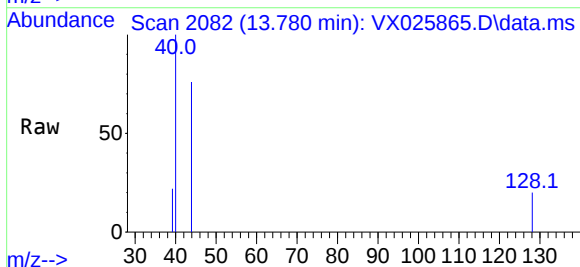
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 54178
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 38.3 57.5#



#95
Naphthalene
Concen: 2.418 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025865.D
Acq: 16 Dec 2021 19:04



Tgt Ion: 128 Resp: 47
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

