

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025860.D
 Acq On : 16 Dec 2021 17:05
 Operator : JC/MD
 Sample : PB141455ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 02:32:55 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)

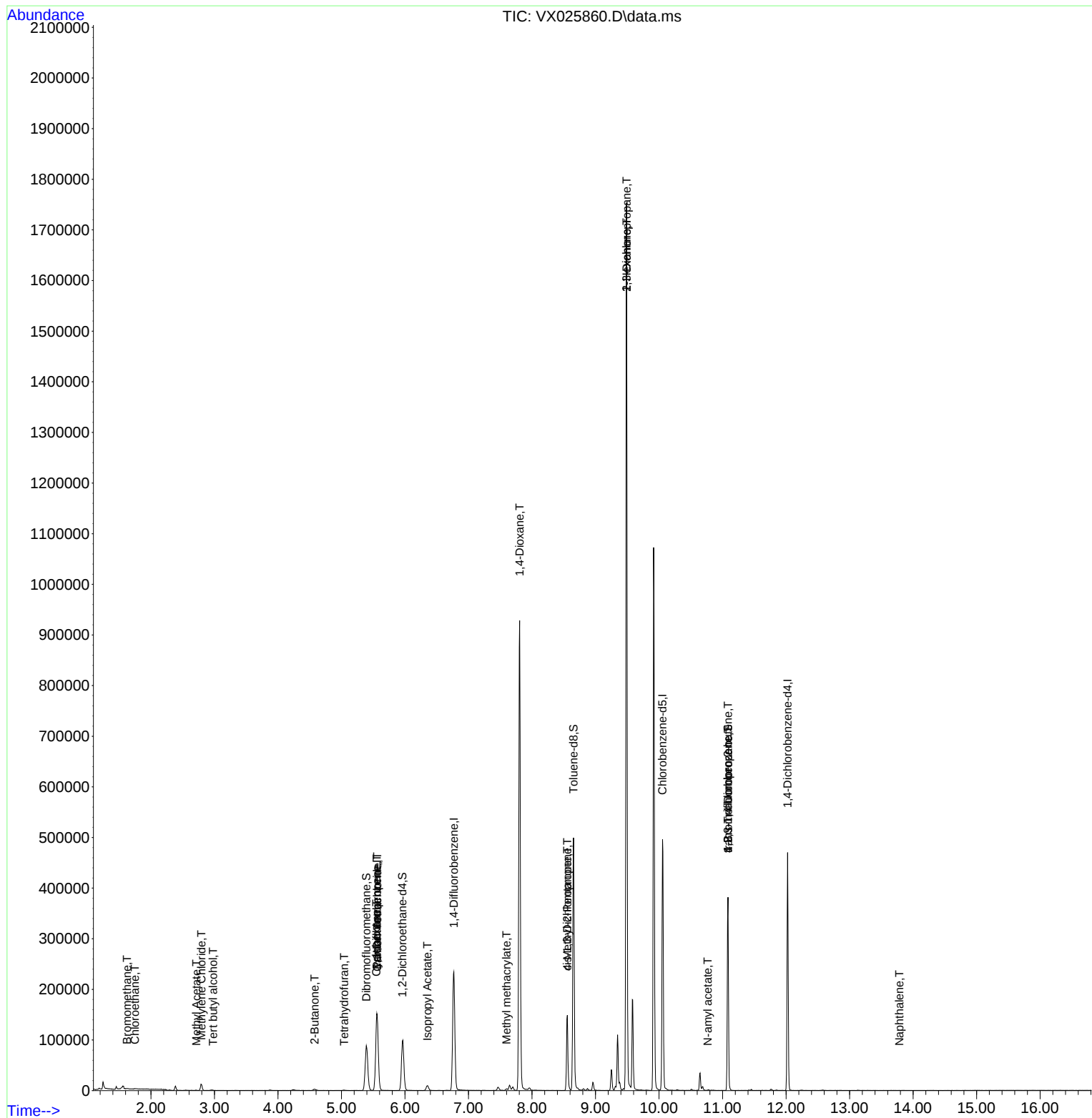
Internal Standards						
1) Pentafluorobenzene	5.556	168	140299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	245805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94456	46.792	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.580%		
35) Dibromofluoromethane	5.391	113	75838	44.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.480%		
50) Toluene-d8	8.652	98	294298	47.118	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.240%		
62) 4-Bromofluorobenzene	11.085	95	101676	42.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.700%		
Target Compounds						Qvalue
5) Bromomethane	1.623	94	374	0.301	ug/l #	51
6) Chloroethane	1.745	64	643	0.511	ug/l #	42
11) Tert butyl alcohol	2.977	59	1067	2.635	ug/l #	78
16) Acetone	2.385	43	8351	Below Cal		98
18) Methyl Acetate	2.715	43	759	0.247	ug/l	91
20) Methylene Chloride	2.794	84	5645	0.894	ug/l	91
25) 2-Butanone	4.574	43	4717	3.474	ug/l	92
29) Tetrahydrofuran	5.043	42	786	0.911	ug/l #	56
31) Cyclohexane	5.549	56	3221	1.312	ug/l #	22
36) 1,1-Dichloropropene	5.556	75	11531	4.960	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14870	5.497	ug/l #	16
43) Isopropyl Acetate	6.354	43	13368	3.213	ug/l	98
48) Methyl methacrylate	7.598	41	4661	2.379	ug/l #	12
49) 1,4-Dioxane	7.805	88	132	3.086	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	51747	18.996	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	23468	8.390	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	15303	4.924	ug/l #	43
59) 2-Hexanone	9.488	43	202973	98.342	ug/l #	51
74) N-amyl acetate	10.768	43	933	0.343	ug/l #	47
76) 1,2,3-Trichloropropane	11.085	75	52023	24.371	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52023	75.557	ug/l #	10
95) Naphthalene	13.786	128	110	2.428	ug/l #	69

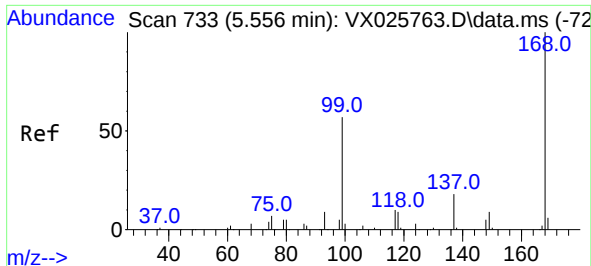
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :

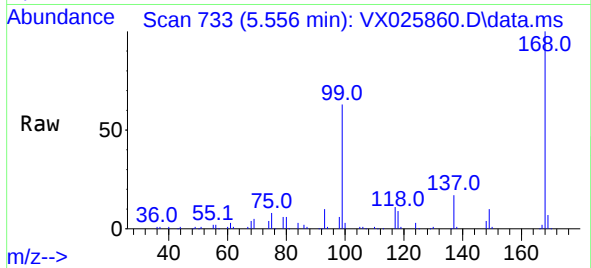
Quant Time: Dec 17 02:32:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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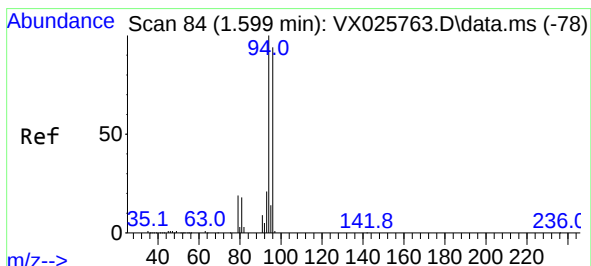
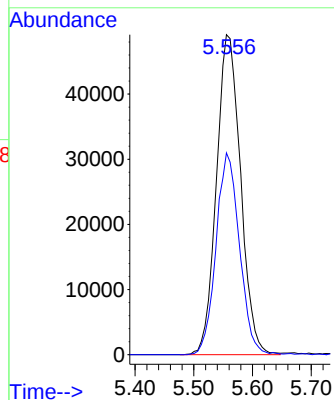


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_X
ClientSampleId :

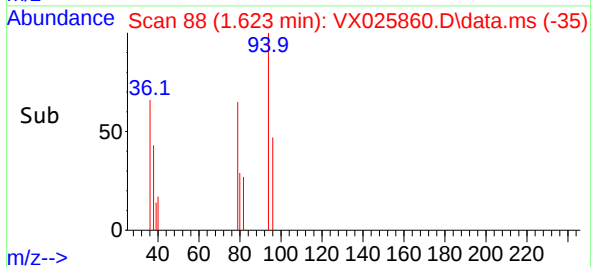
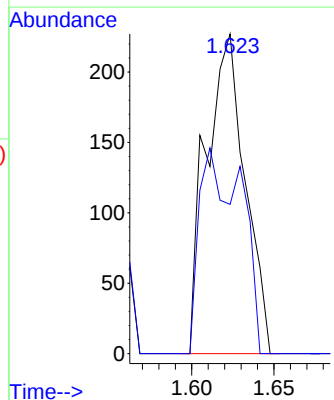
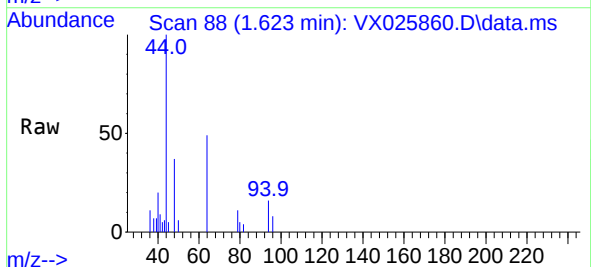


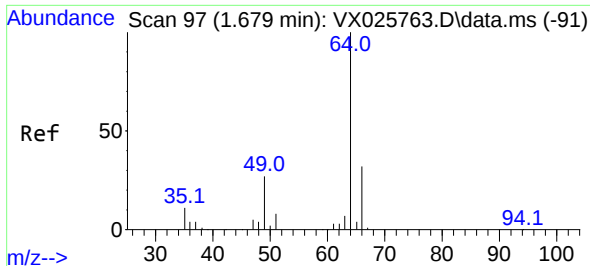
Tgt Ion:168 Resp: 140299
Ion Ratio Lower Upper
168 100
99 63.1 45.8 68.8



#5
Bromomethane
Concen: 0.301 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 46.7 75.0 112.4#

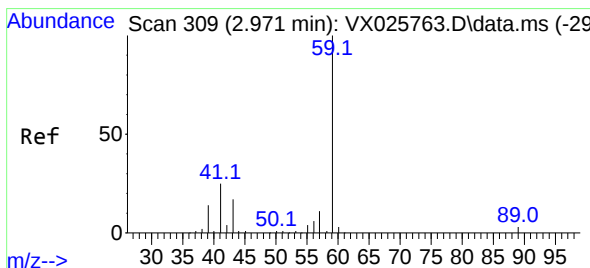
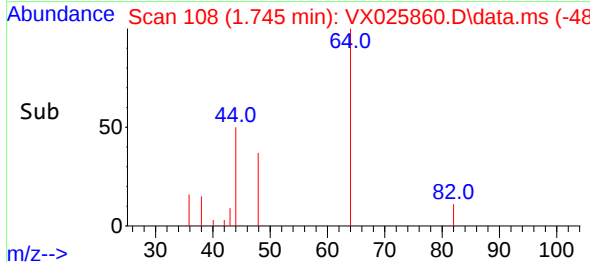
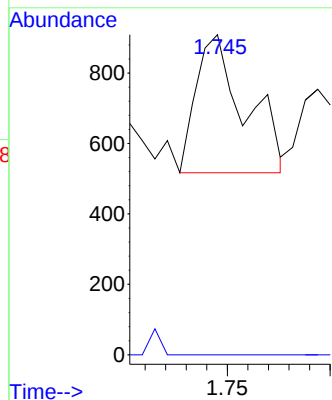
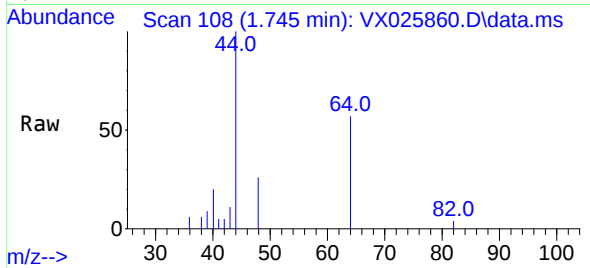




#6
Chloroethane
Concen: 0.511 ug/l
RT: 1.745 min Scan# 10
Delta R.T. 0.067 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

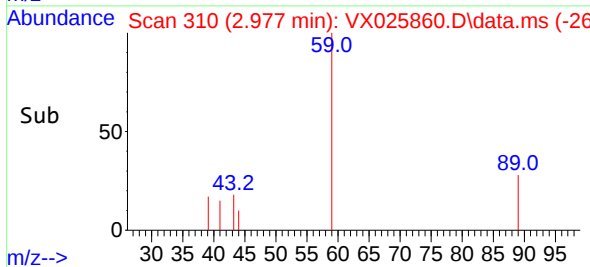
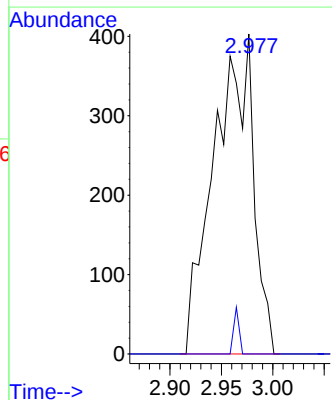
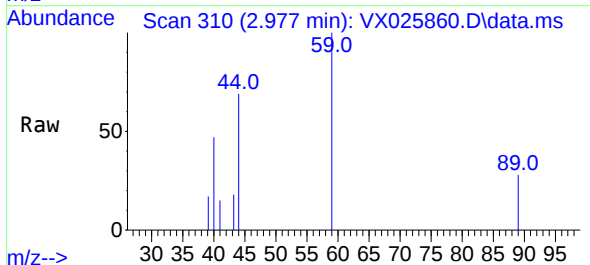
Instrument :
MSVOA_X
ClientSampleId :

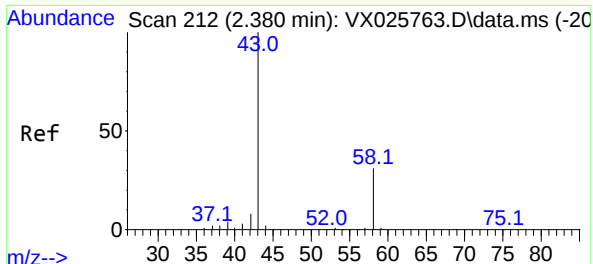
Tgt Ion: 64 Resp: 643
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 2.635 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 59 Resp: 1067
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.2#

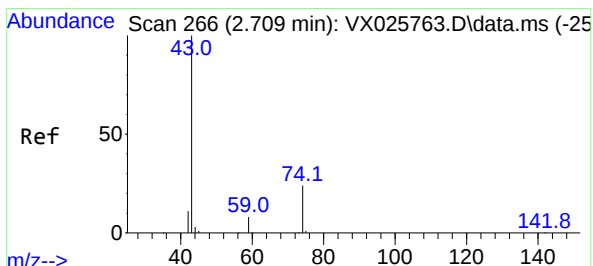
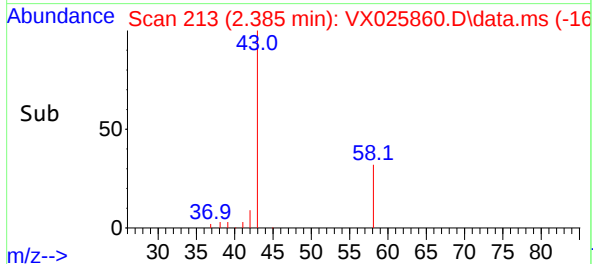
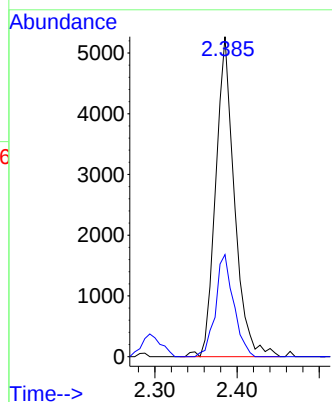
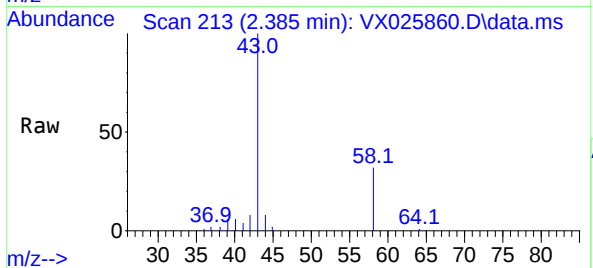




#16
Acetone
Concen: Below Cal
RT: 2.385 min Scan# 212
Delta R.T. 0.005 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

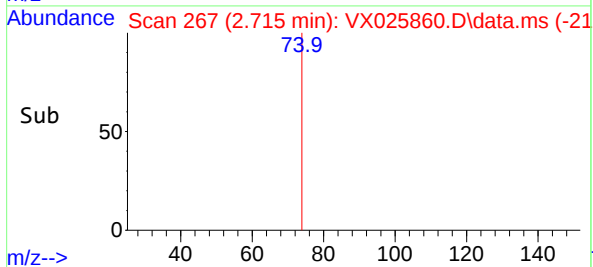
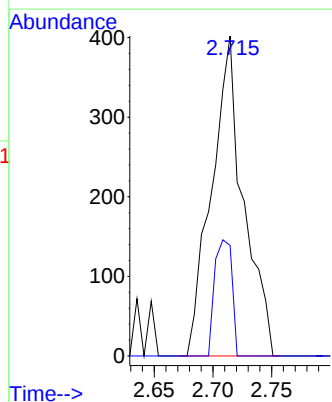
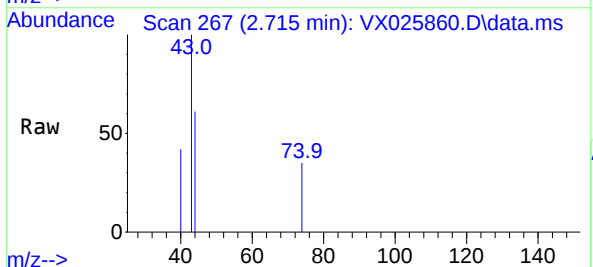
Instrument :
MSVOA_X
ClientSampleId :

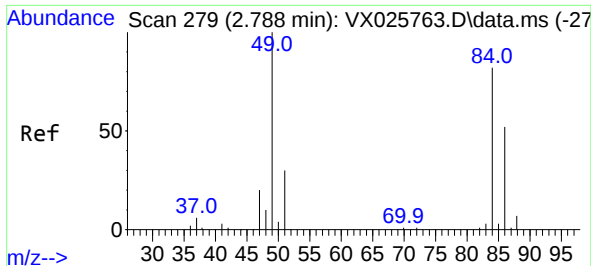
Tgt Ion: 43 Resp: 8351
Ion Ratio Lower Upper
43 100
58 31.9 24.8 37.2



#18
Methyl Acetate
Concen: 0.247 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
74 19.6 19.1 28.7



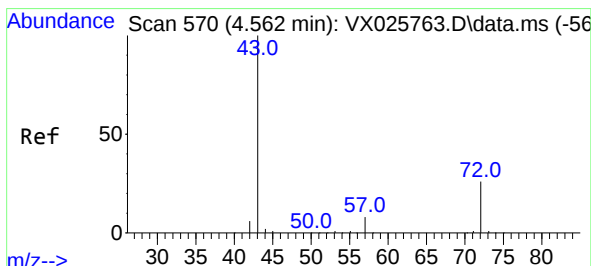
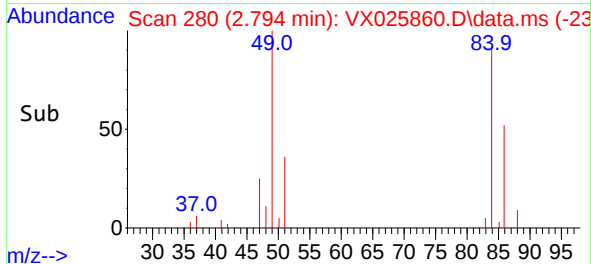
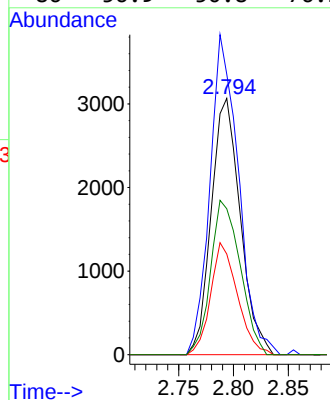
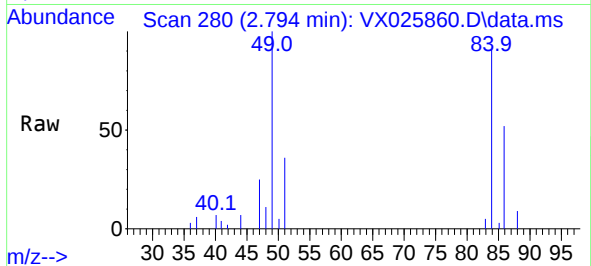


#20
Methylene Chloride
Concen: 0.894 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 5645

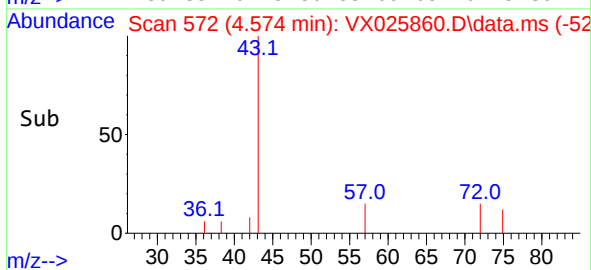
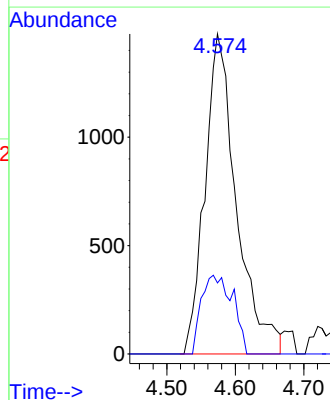
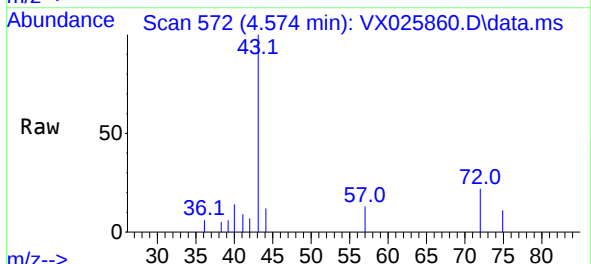
Ion	Ratio	Lower	Upper
84	100		
49	109.4	97.1	145.7
51	39.3	29.3	43.9
86	56.9	50.8	76.2

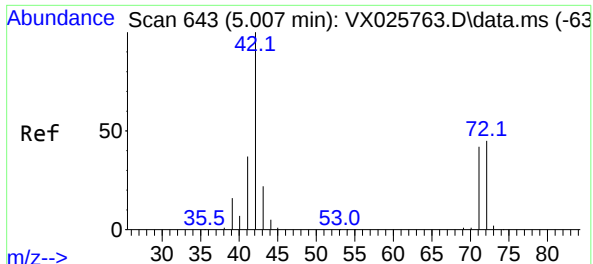


#25
2-Butanone
Concen: 3.474 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 43 Resp: 4717

Ion	Ratio	Lower	Upper
43	100		
72	22.2	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.911 ug/l

RT: 5.043 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX025860.D

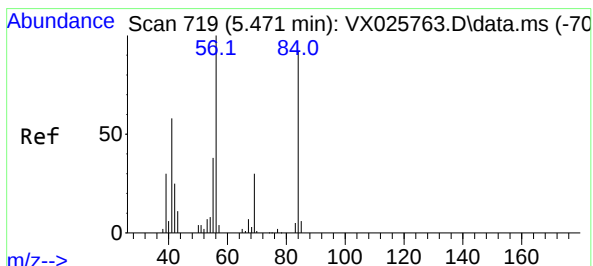
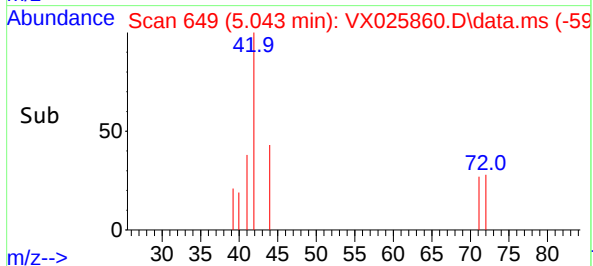
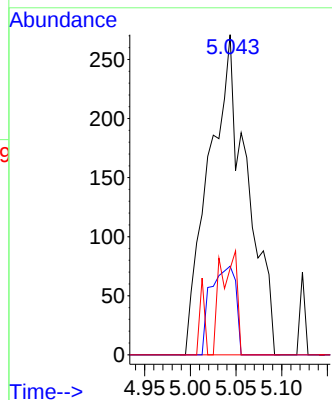
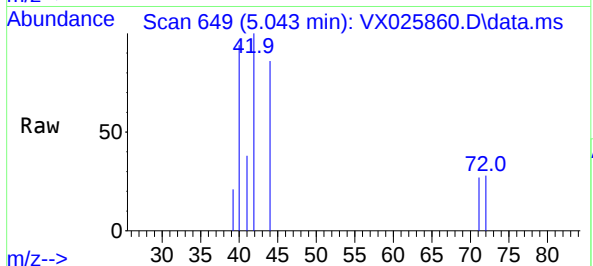
Acq: 16 Dec 2021 17:05

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	786
Ion	Ratio	Lower	Upper
42	100		
72	18.2	37.0	55.6#
71	13.9	34.1	51.1#



#31

Cyclohexane

Concen: 1.312 ug/l

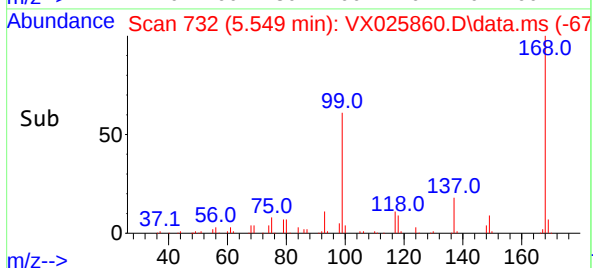
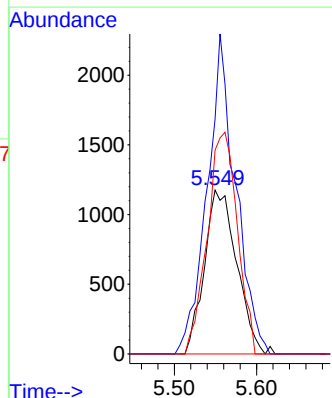
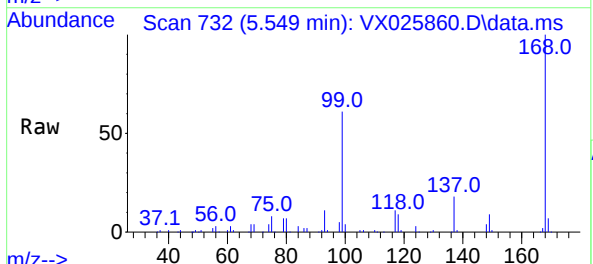
RT: 5.549 min Scan# 732

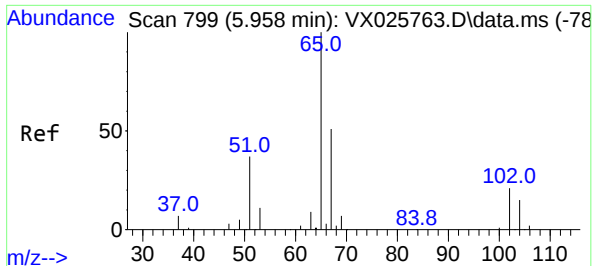
Delta R.T. 0.079 min

Lab File: VX025860.D

Acq: 16 Dec 2021 17:05

Tgt Ion:	56	Resp:	3221
Ion	Ratio	Lower	Upper
56	100		
69	143.5	23.9	35.9#
84	124.5	73.2	109.8#

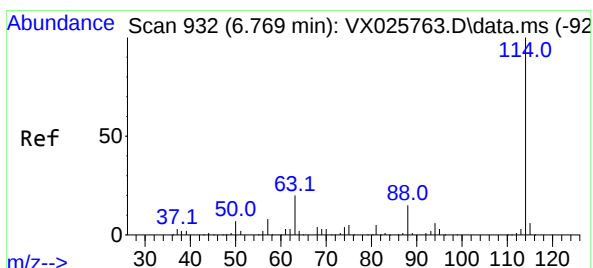
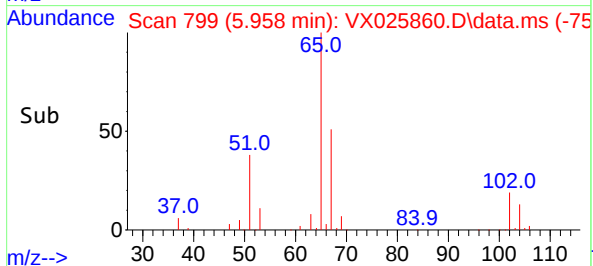
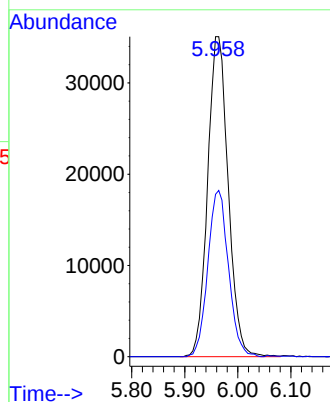
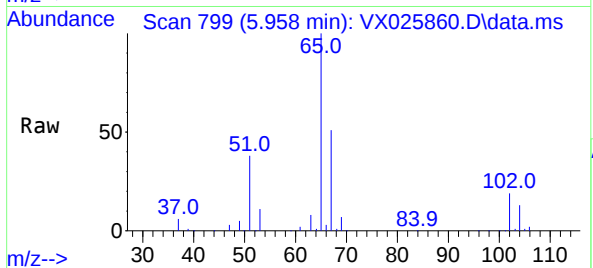




#33
 1,2-Dichloroethane-d4
 Concen: 46.792 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX025860.D
 Acq: 16 Dec 2021 17:05

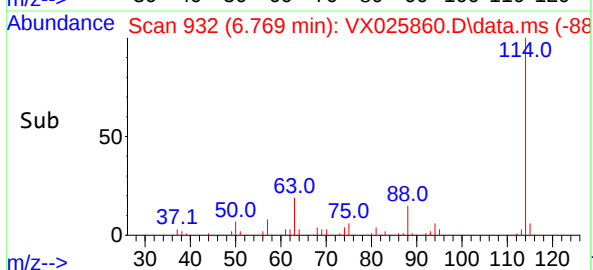
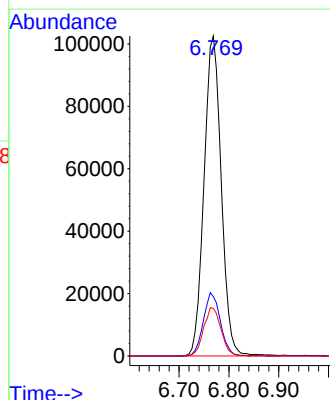
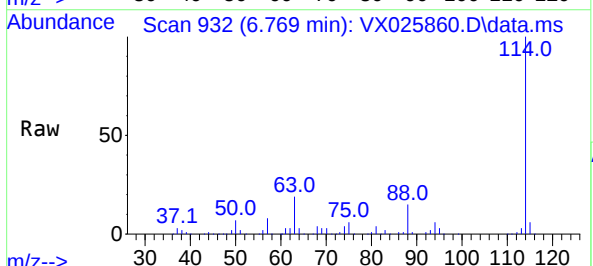
Instrument :
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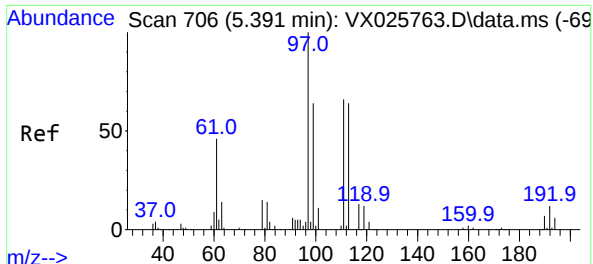
Tgt Ion: 65 Resp: 94456
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX025860.D
 Acq: 16 Dec 2021 17:05

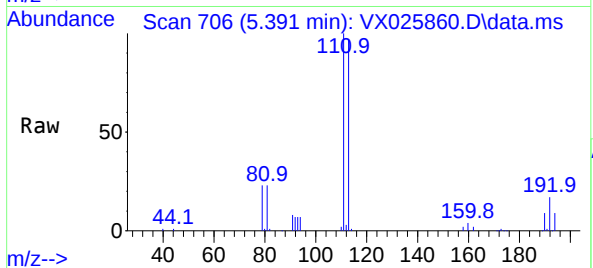
Tgt Ion: 114 Resp: 245805
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 40.0
 88 14.9 0.0 30.6



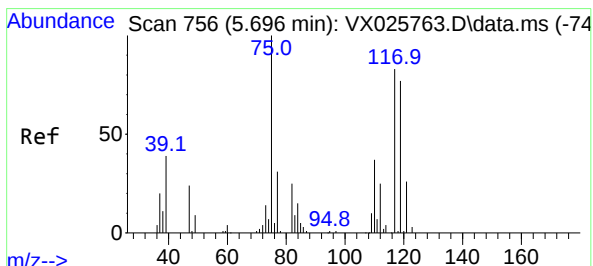
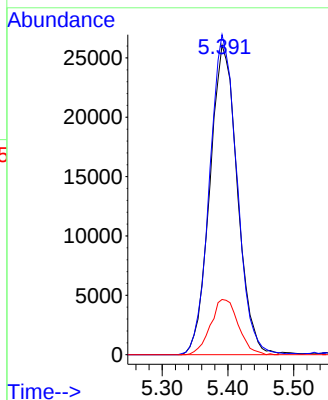
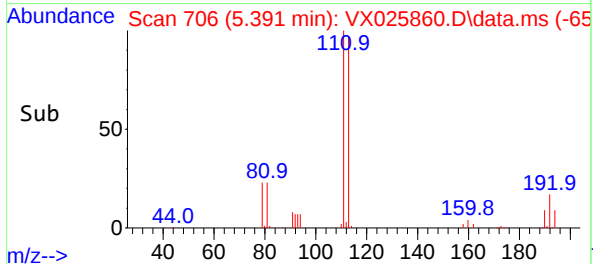


#35
Dibromofluoromethane
Concen: 44.239 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

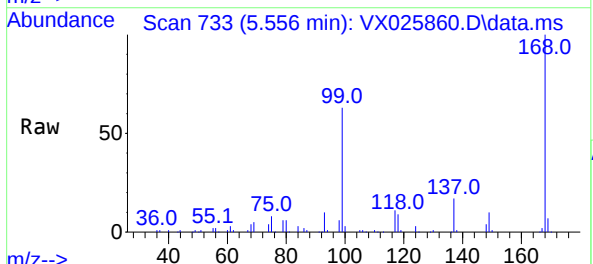
Instrument :
MSVOA_X
ClientSampleId :



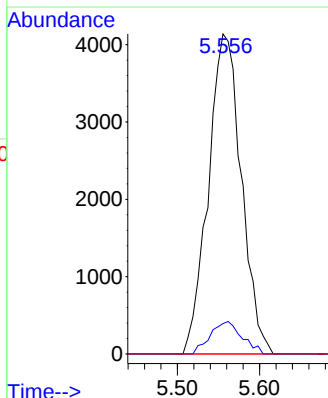
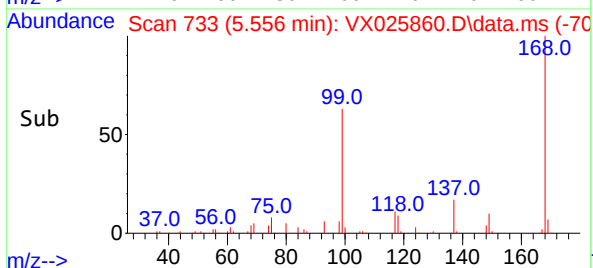
Tgt Ion:113 Resp: 75838
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 18.0 15.0 22.4

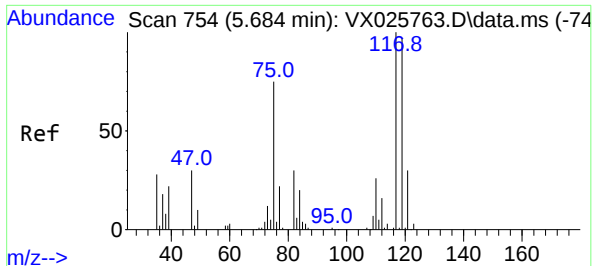


#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05



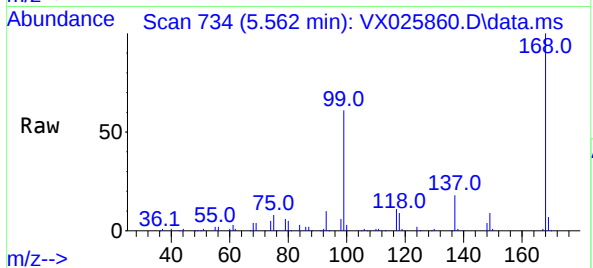
Tgt Ion: 75 Resp: 11531
Ion Ratio Lower Upper
75 100
110 9.7 18.2 54.6#
77 0.0 24.7 37.1#



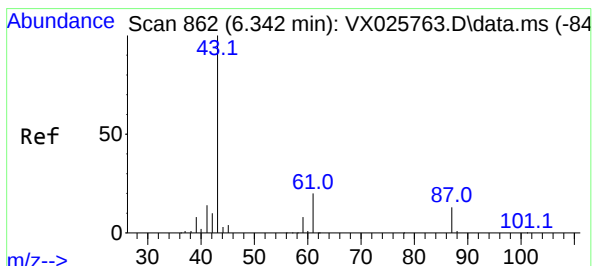
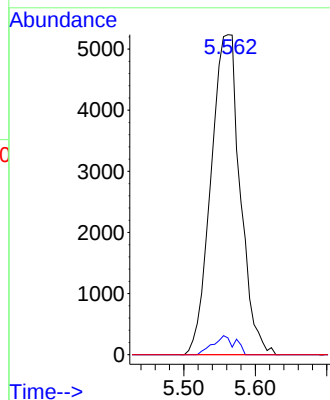
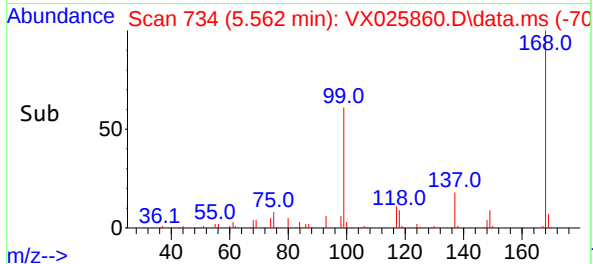


#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

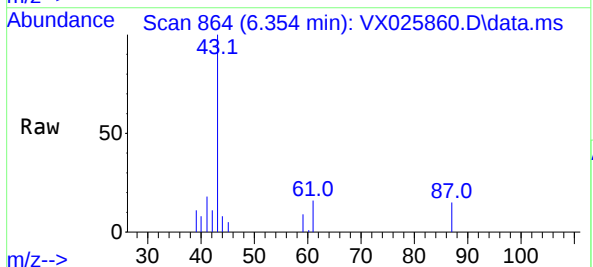
Instrument :
MSVOA_X
ClientSampleId :



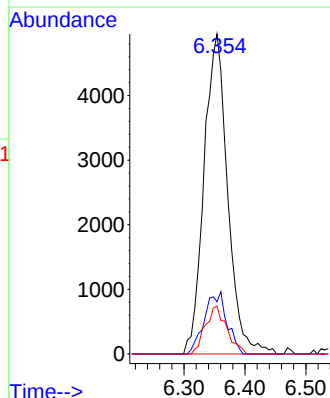
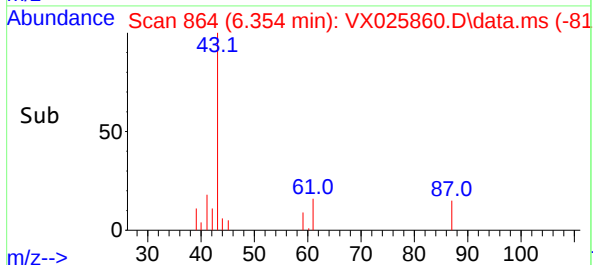
Tgt Ion:117 Resp: 14870
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 23.8 35.8#

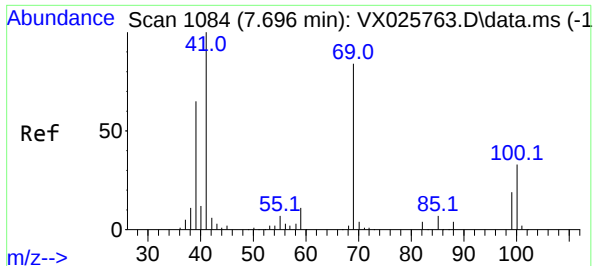


#43
Isopropyl Acetate
Concen: 3.213 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05



Tgt Ion: 43 Resp: 13368
Ion Ratio Lower Upper
43 100
61 18.4 15.7 23.5
87 13.4 11.2 16.8





#48

Methyl methacrylate

Concen: 2.379 ug/l

RT: 7.598 min Scan# 1102

Delta R.T. -0.098 min

Lab File: VX025860.D

Acq: 16 Dec 2021 17:05

Instrument :

MSVOA_X

ClientSampleId :

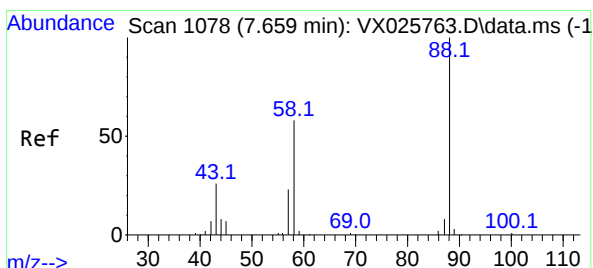
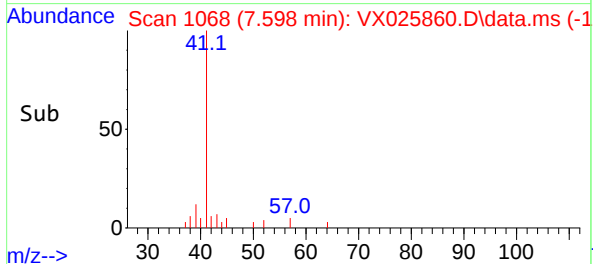
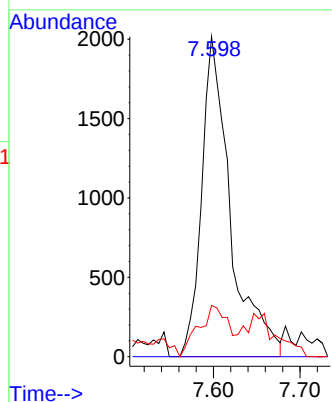
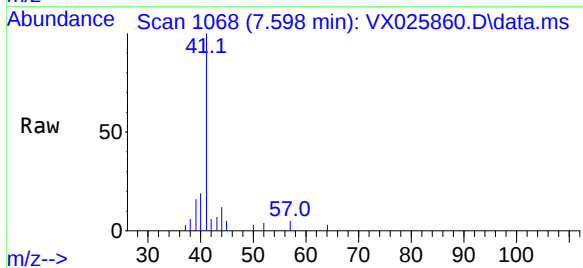
Tgt Ion: 41 Resp: 4661

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: 3.086 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX025860.D

Acq: 16 Dec 2021 17:05

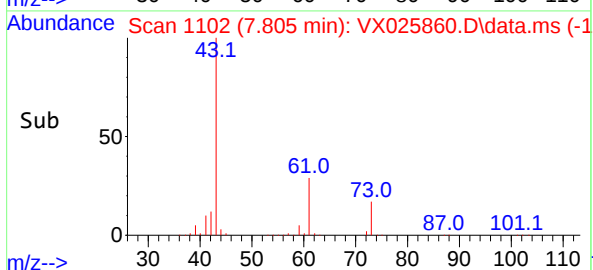
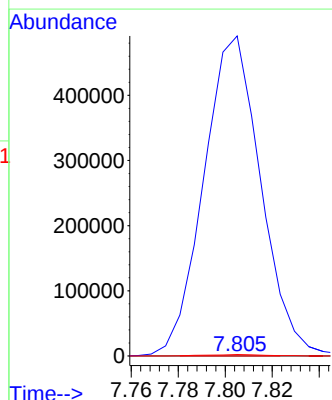
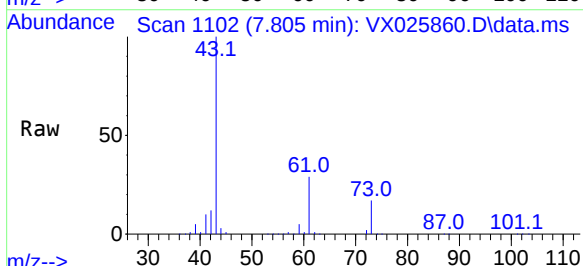
Tgt Ion: 88 Resp: 132

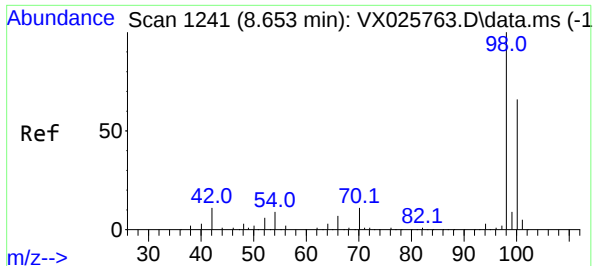
Ion Ratio Lower Upper

88 100

43 636409.8 25.3 37.9#

58 2883.3 51.8 77.6#

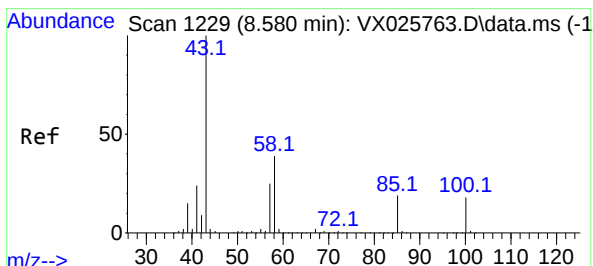
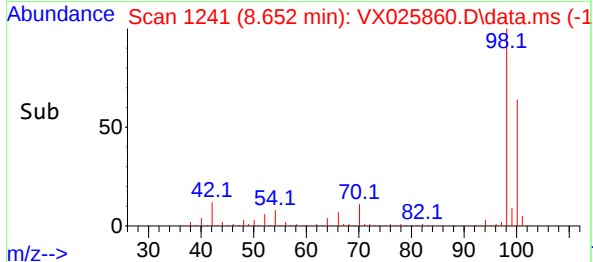
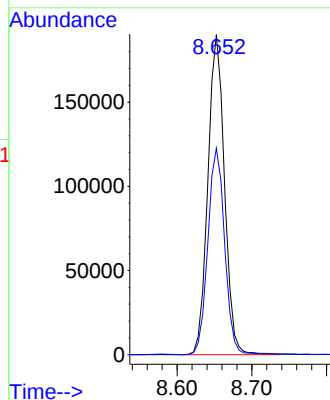
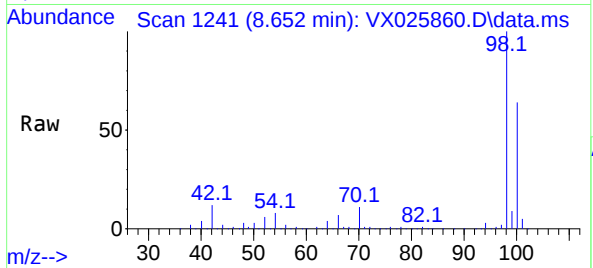




#50
Toluene-d8
Concen: 47.118 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

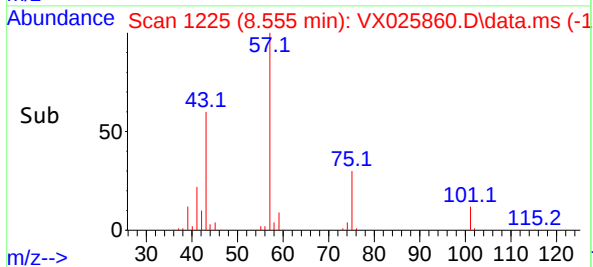
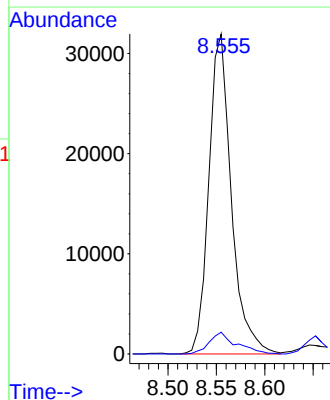
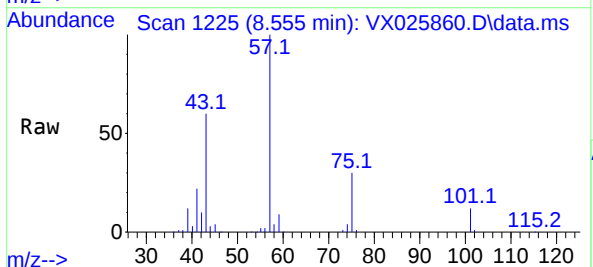
Instrument :
MSVOA_X
ClientSampleId :

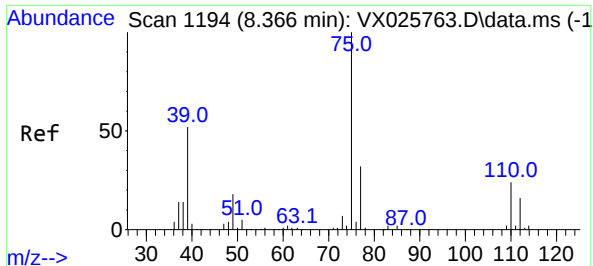
Tgt Ion: 98 Resp: 294298
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.996 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 43 Resp: 51747
Ion Ratio Lower Upper
43 100
58 8.2 30.8 46.2#

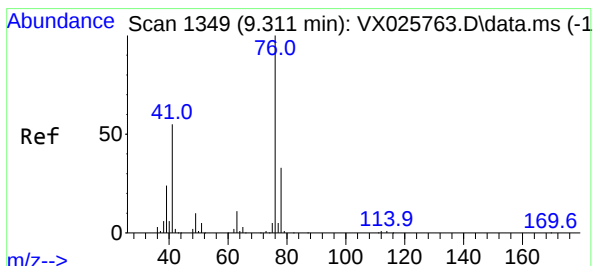
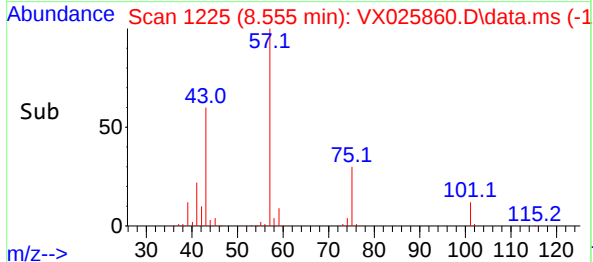
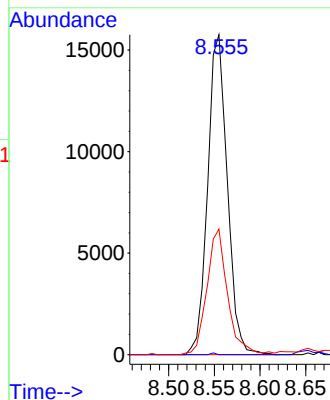
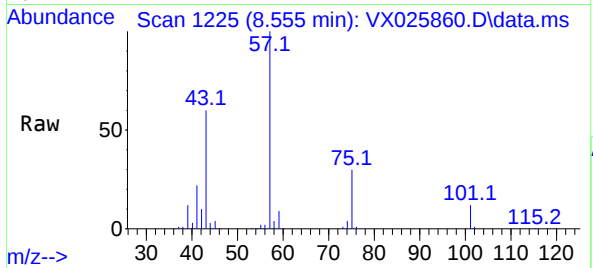




#54
 cis-1,3-Dichloropropene
 Concen: 8.390 ug/l
 RT: 8.555 min Scan# 11
 Delta R.T. 0.189 min
 Lab File: VX025860.D
 Acq: 16 Dec 2021 17:05

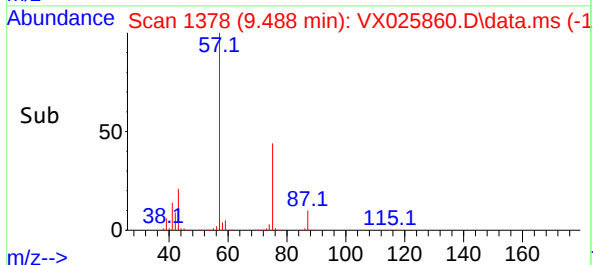
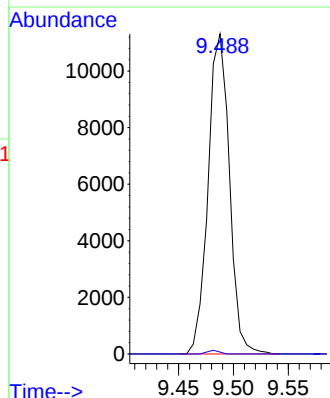
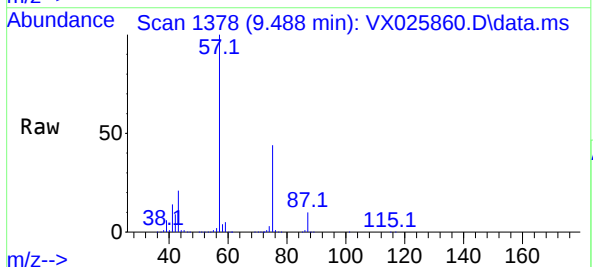
Instrument :
 MSVOA_X
 ClientSampleId :

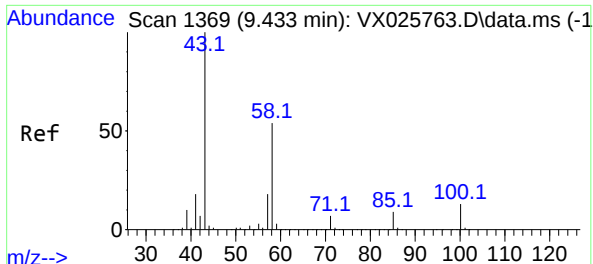
Tgt Ion: 75 Resp: 23468
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 39.3 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.924 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.176 min
 Lab File: VX025860.D
 Acq: 16 Dec 2021 17:05

Tgt Ion: 76 Resp: 15303
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.0 39.0#





#59

2-Hexanone

Concen: 98.342 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.054 min

Lab File: VX025860.D

Acq: 16 Dec 2021 17:05

Instrument :

MSVOA_X

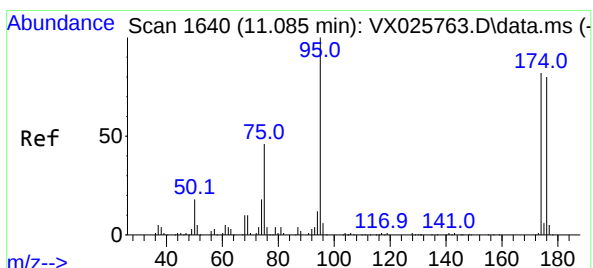
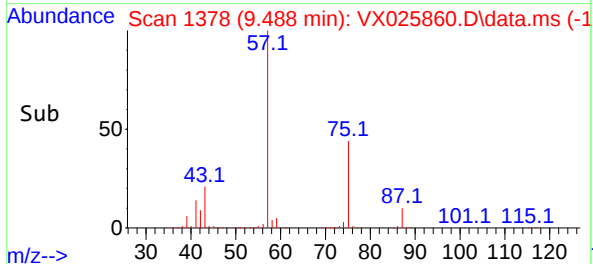
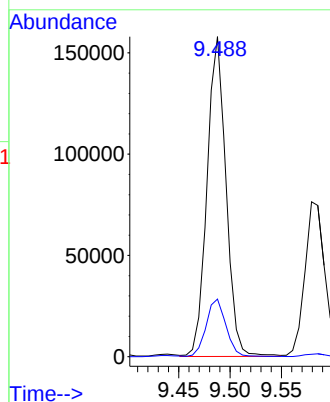
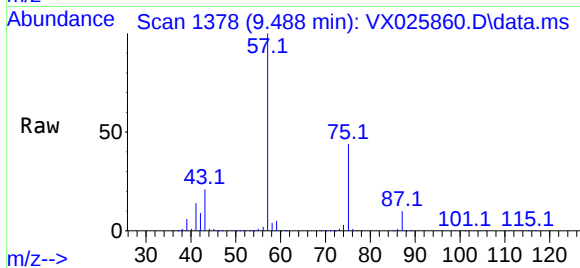
ClientSampleId :

Tgt Ion: 43 Resp: 202973

Ion Ratio Lower Upper

43 100

58 18.9 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 42.854 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025860.D

Acq: 16 Dec 2021 17:05

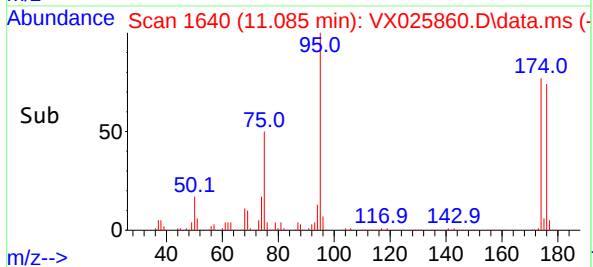
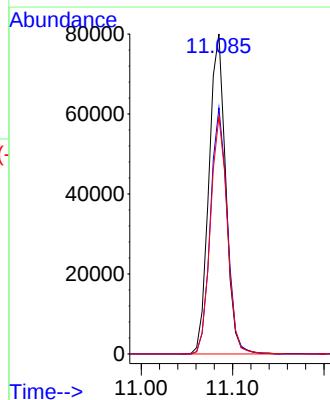
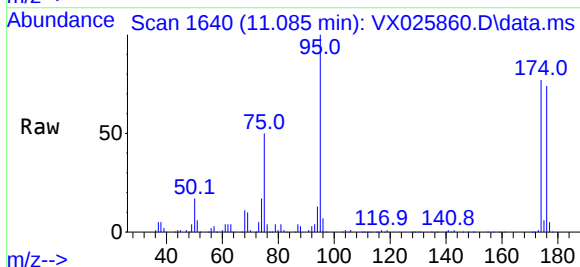
Tgt Ion: 95 Resp: 101676

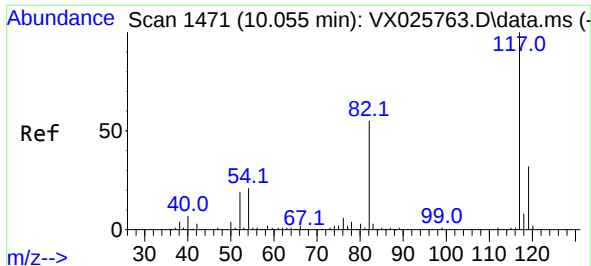
Ion Ratio Lower Upper

95 100

174 77.2 0.0 157.4

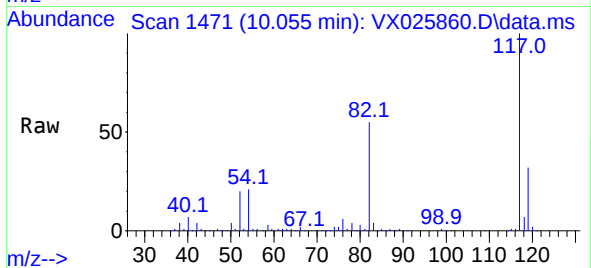
176 74.6 0.0 154.6



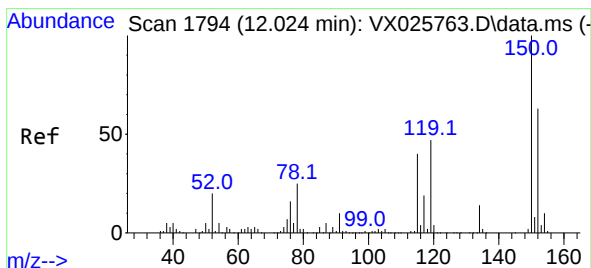
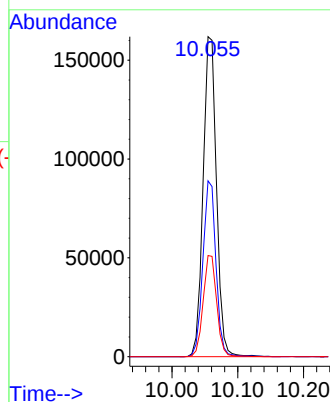
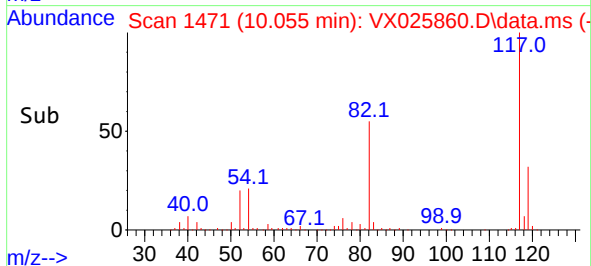


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

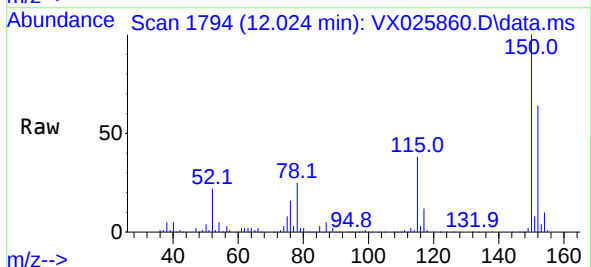
Instrument :
MSVOA_X
ClientSampleId :



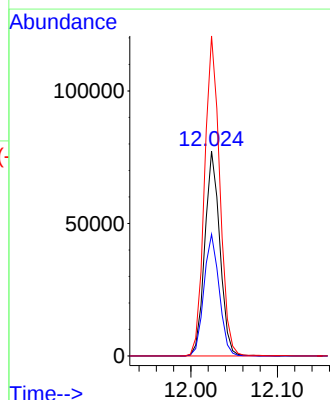
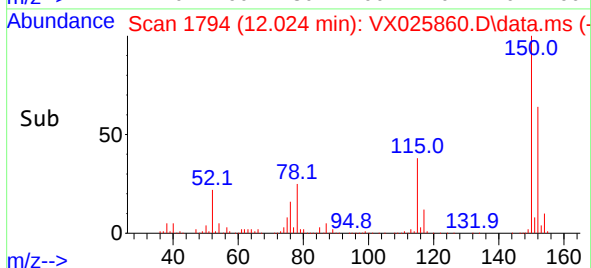
Tgt Ion:117 Resp: 229014
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.6
119 31.6 25.2 37.8

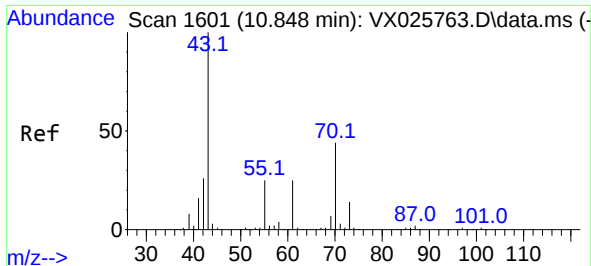


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05



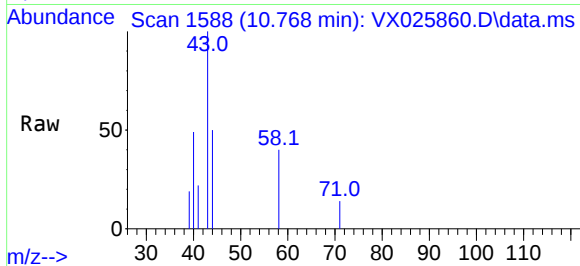
Tgt Ion:152 Resp: 93167
Ion Ratio Lower Upper
152 100
115 60.2 41.3 123.9
150 158.4 0.0 351.8



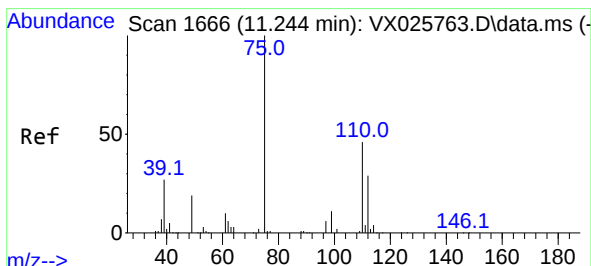
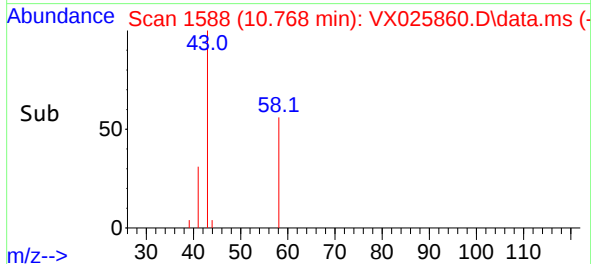
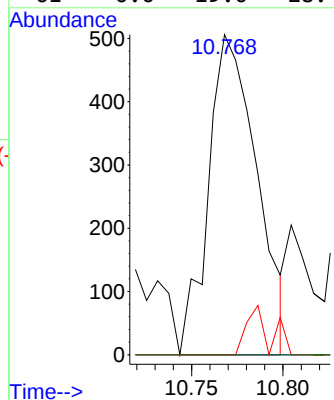


#74
N-amyl acetate
Concen: 0.343 ug/l
RT: 10.768 min Scan# 11
Delta R.T. -0.080 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_X
ClientSampleId :

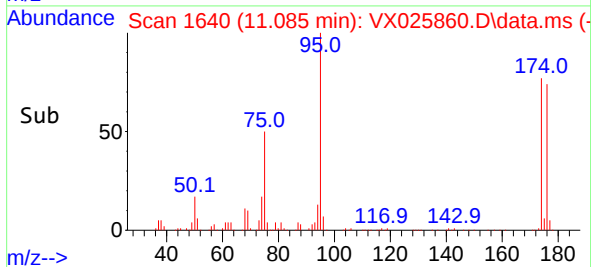
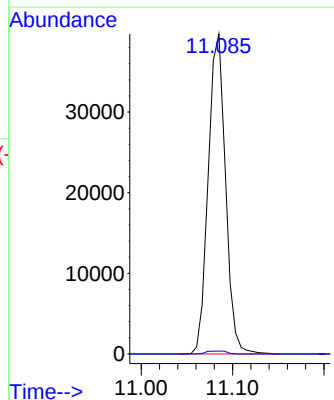
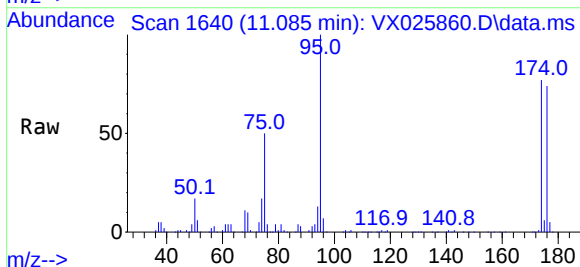


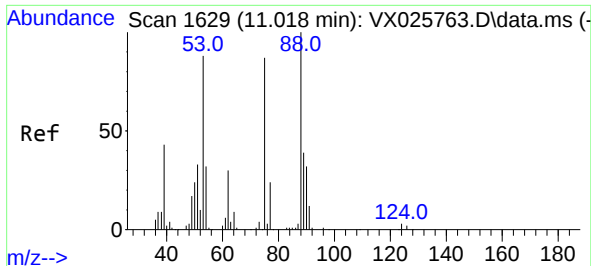
Tgt Ion: 43	Resp: 933
Ion Ratio	Lower Upper
43 100	
70 0.0	34.1 51.1#
55 7.4	19.2 28.8#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 24.371 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

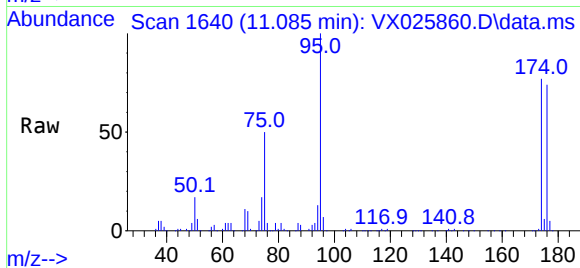
Tgt Ion: 75	Resp:	52023	
Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.0	57.0#



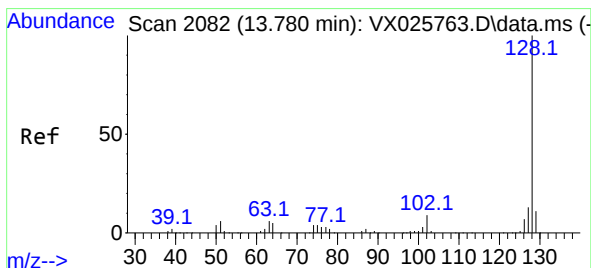
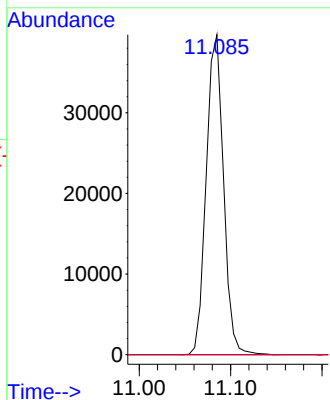
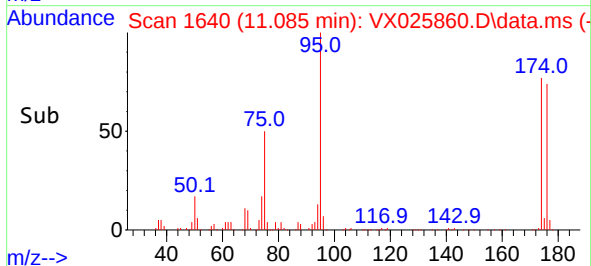


#81
trans-1,4-Dichloro-2-butene
Concen: 75.557 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05

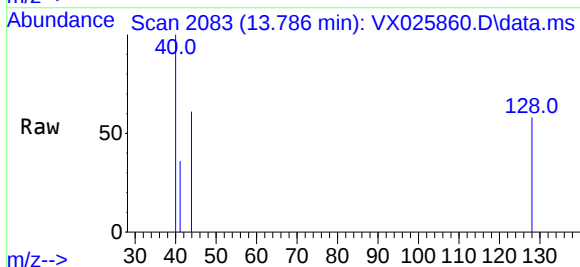
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 52023
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 2.428 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025860.D
Acq: 16 Dec 2021 17:05



Tgt Ion: 128 Resp: 110
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

