

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025845.D
 Acq On : 16 Dec 2021 04:23
 Operator : JC/MD
 Sample : M5084-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C8

Quant Time: Dec 16 07:36:12 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)

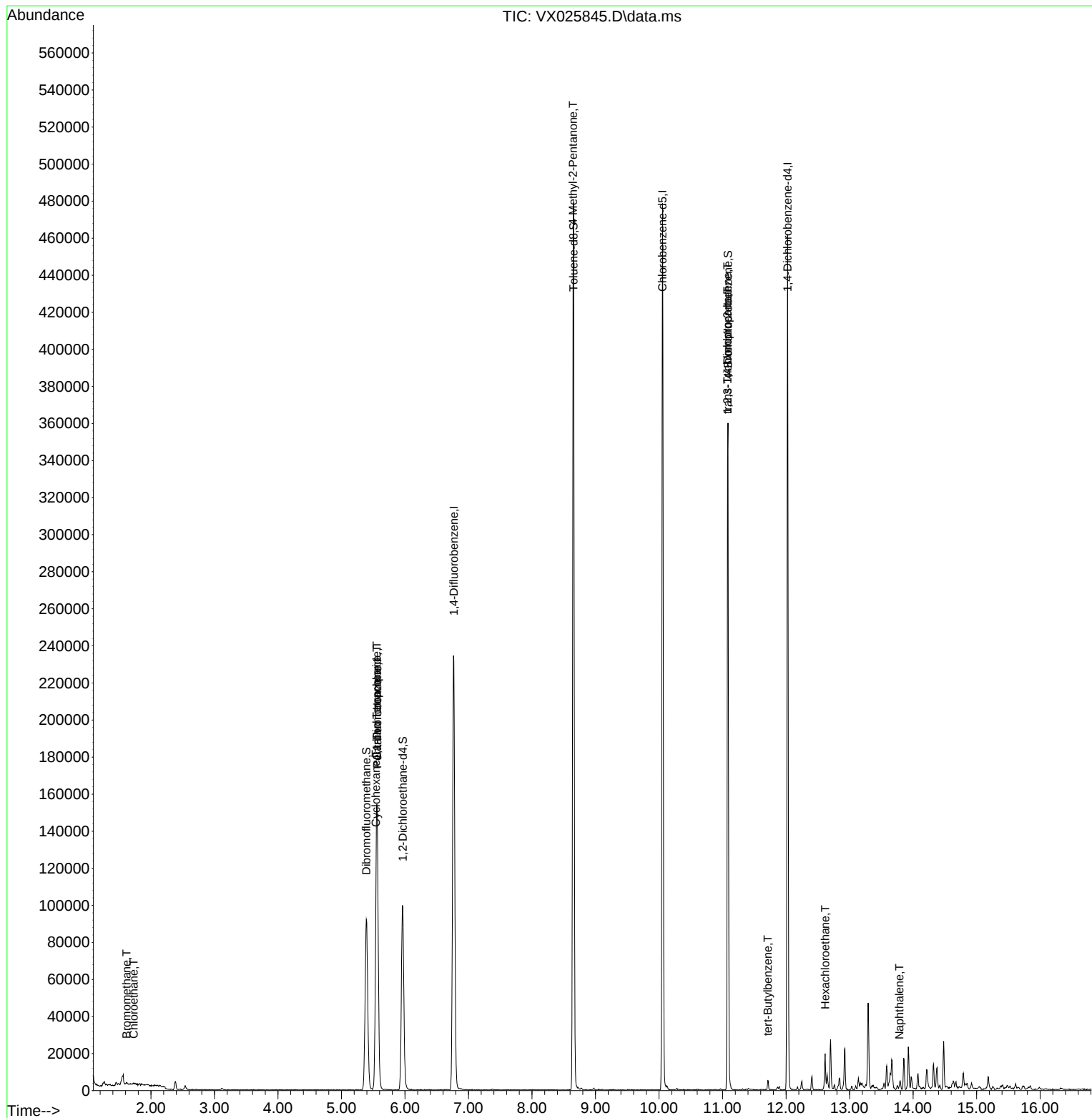
Internal Standards						
1) Pentafluorobenzene	5.562	168	146238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95685	45.475	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.960%
35) Dibromofluoromethane	5.391	113	79634	46.351	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.700%
50) Toluene-d8	8.653	98	286378	45.749	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.500%#
62) 4-Bromofluorobenzene	11.085	95	98911	41.596	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.200%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	324	0.250	ug/l	99
6) Chloroethane	1.727	64	286	0.218	ug/l #	42
16) Acetone	2.386	43	5064	Below Cal		97
31) Cyclohexane	5.544	56	3539	1.383	ug/l #	44
36) 1,1-Dichloropropene	5.556	75	11467	4.922	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15114	5.575	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	1340	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	50342	24.043	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50342	74.540	ug/l #	10
83) tert-Butylbenzene	11.713	119	1945	0.361	ug/l	86
90) Hexachloroethane	12.615	117	910	0.851	ug/l #	14
95) Naphthalene	13.786	128	775	2.530	ug/l #	60

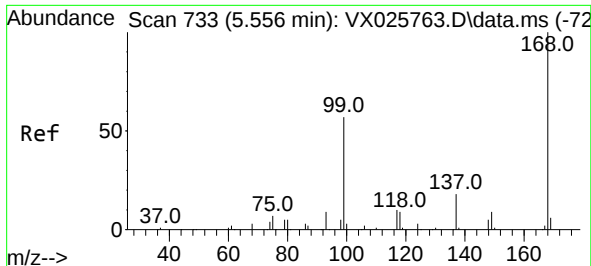
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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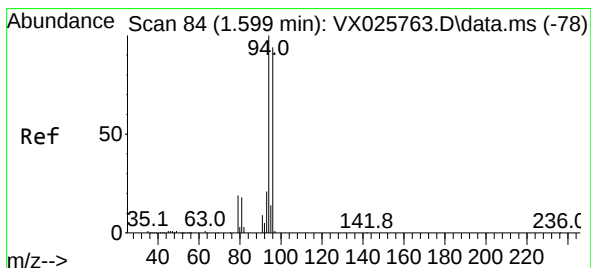
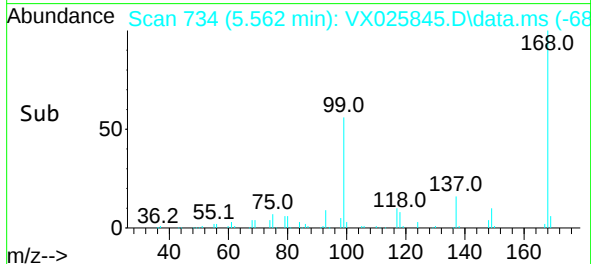
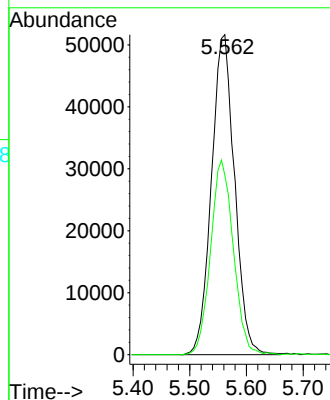
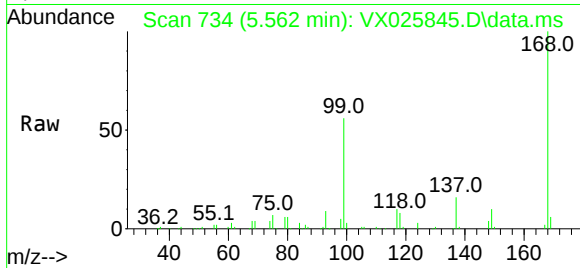




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

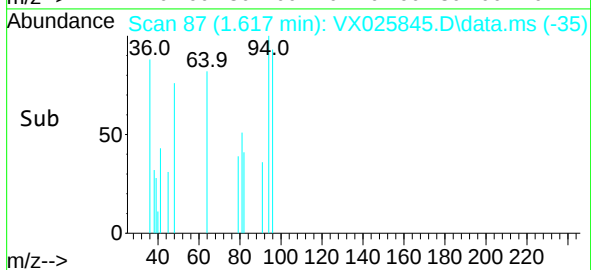
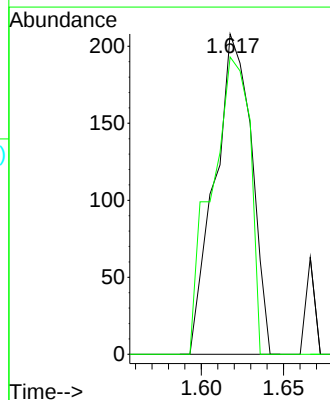
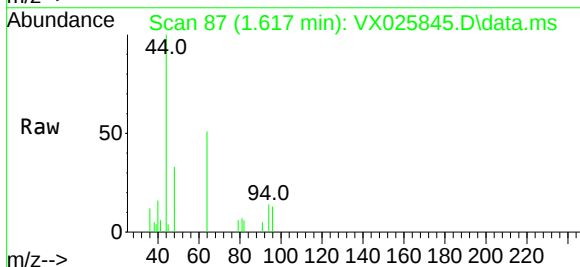
Instrument :
MSVOA_X
ClientSampleId :
C8

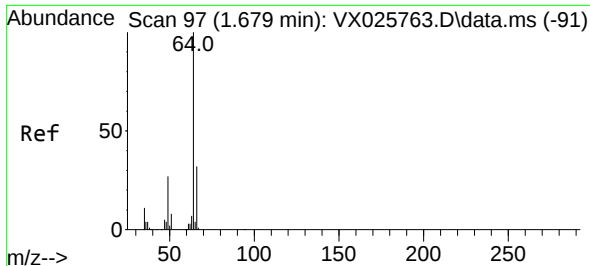
Tgt Ion:168 Resp: 146238
Ion Ratio Lower Upper
168 100
99 56.1 45.8 68.8



#5
Bromomethane
Concen: 0.250 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 92.8 75.0 112.4

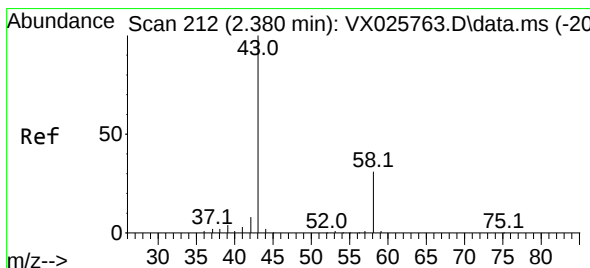
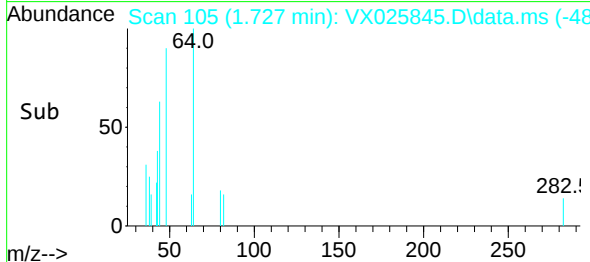
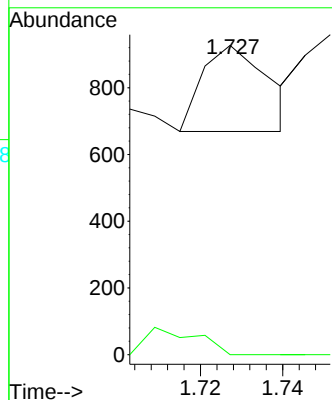
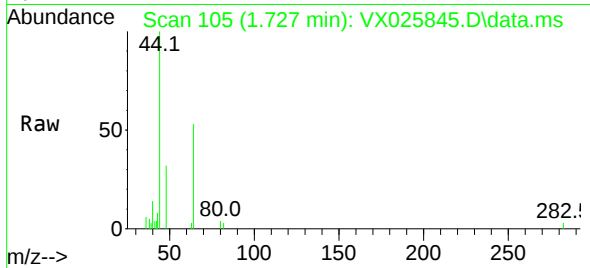




#6
Chloroethane
Concen: 0.218 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.049 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

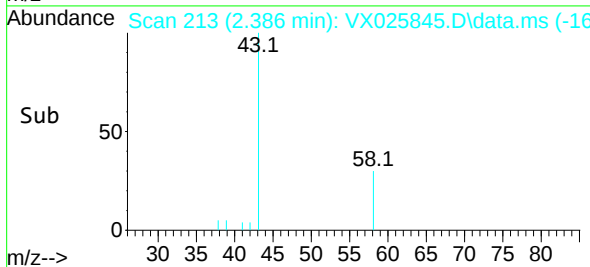
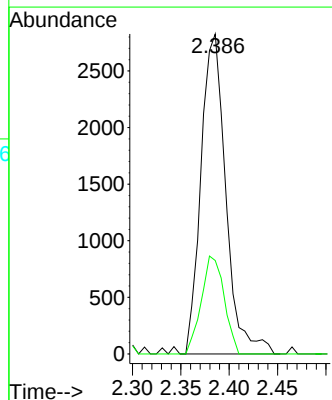
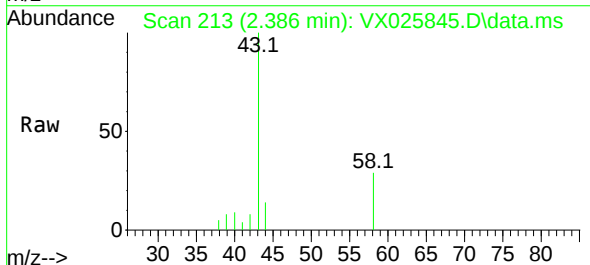
Instrument :
MSVOA_X
ClientSampleId :
C8

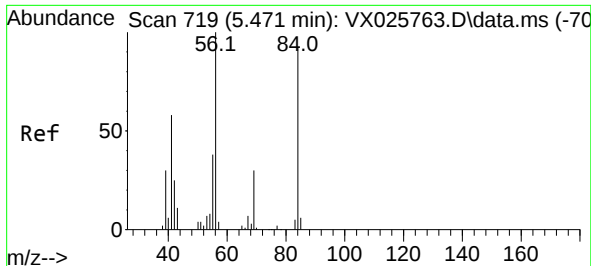
Tgt Ion: 64 Resp: 286
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

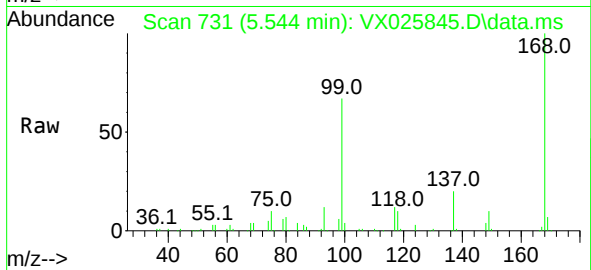
Tgt Ion: 43 Resp: 5064
Ion Ratio Lower Upper
43 100
58 29.2 24.8 37.2



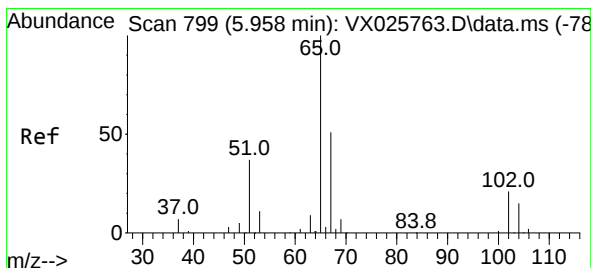
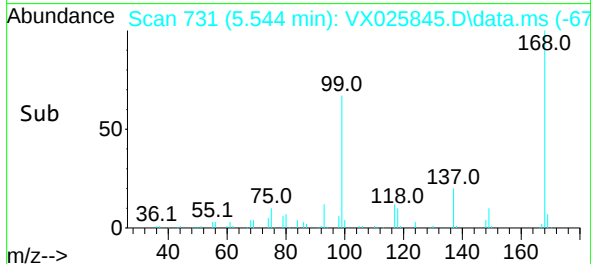
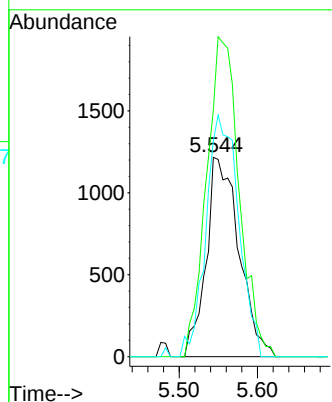


#31
Cyclohexane
Concen: 1.383 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

Instrument :
MSVOA_X
ClientSampleId :
C8

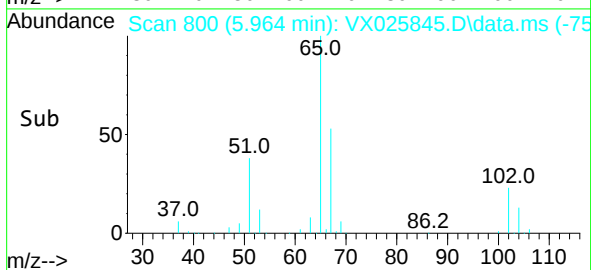
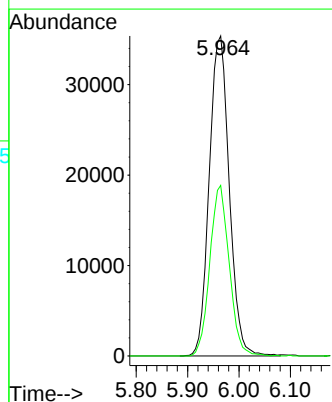
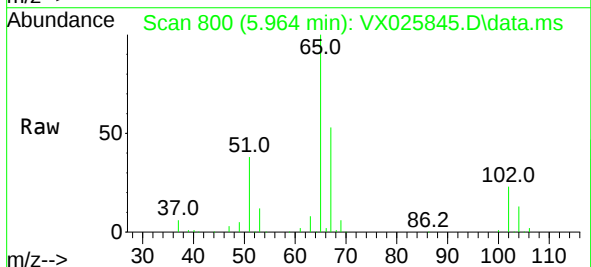


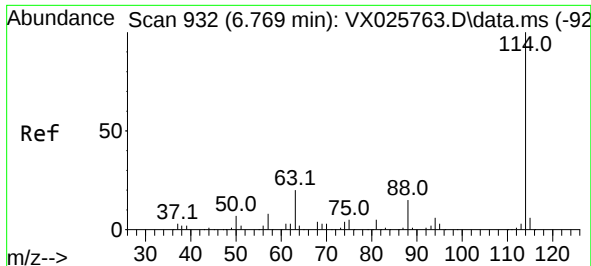
Tgt Ion: 56 Resp: 3539
Ion Ratio Lower Upper
56 100
69 123.6 23.9 35.9#
84 108.2 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 45.475 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

Tgt Ion: 65 Resp: 95685
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4

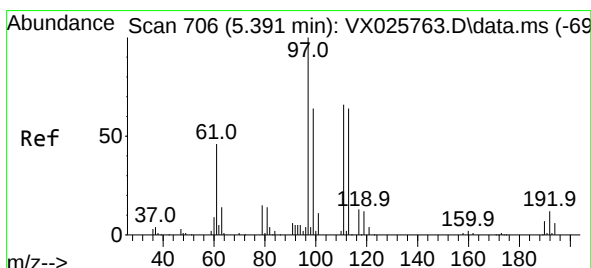
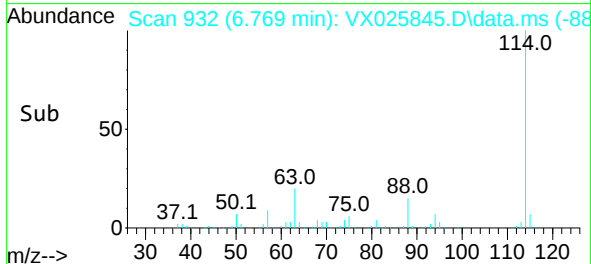
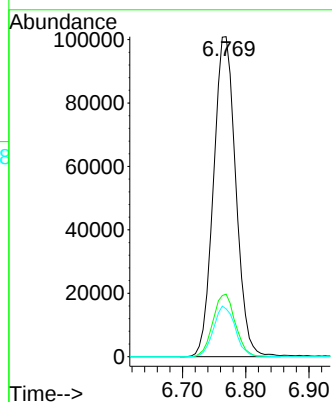
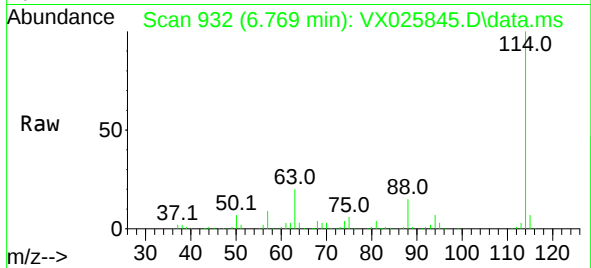




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

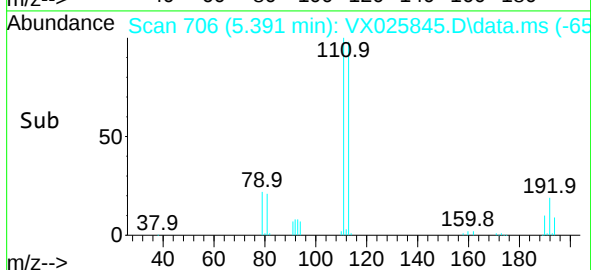
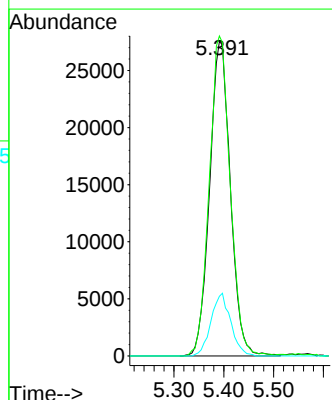
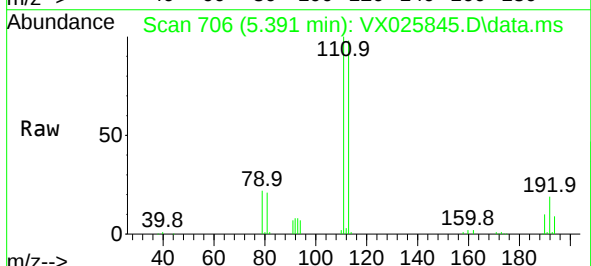
Instrument :
MSVOA_X
ClientSampleId :
C8

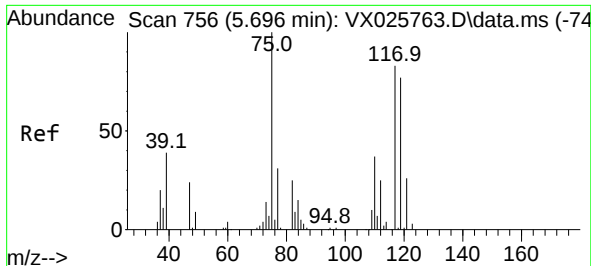
Tgt Ion:114 Resp: 246350
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.351 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

Tgt Ion:113 Resp: 79634
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 18.9 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025845.D

Acq: 16 Dec 2021 04:23

Instrument :

MSVOA_X

ClientSampleId :

C8

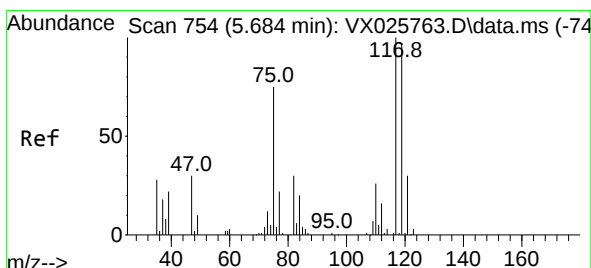
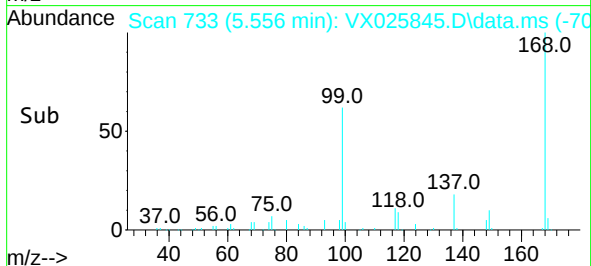
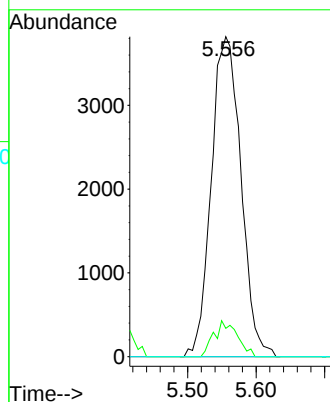
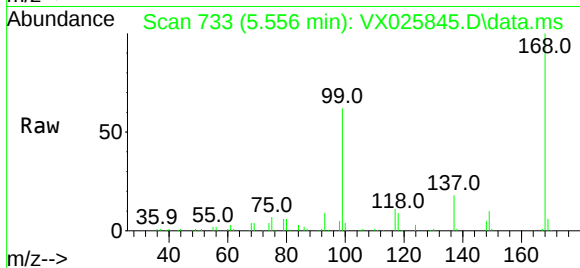
Tgt Ion: 75 Resp: 11467

Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.575 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX025845.D

Acq: 16 Dec 2021 04:23

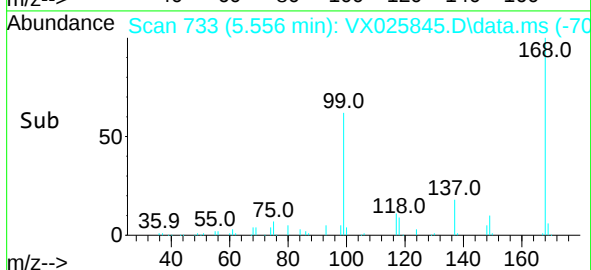
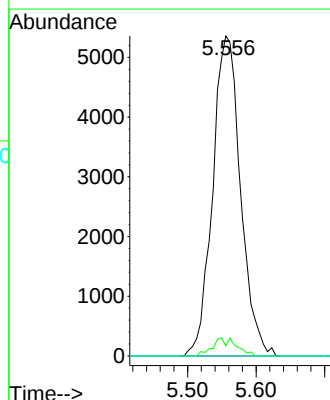
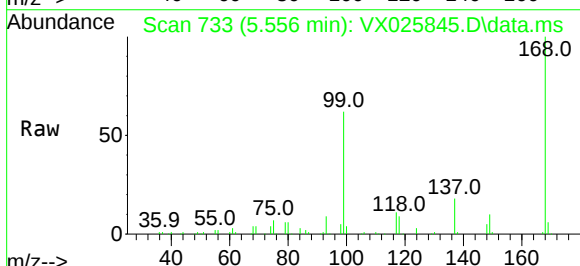
Tgt Ion: 117 Resp: 15114

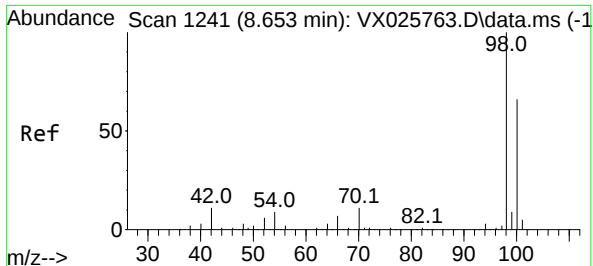
Ion Ratio Lower Upper

117 100

119 3.2 77.2 115.8#

121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 45.749 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025845.D

Acq: 16 Dec 2021 04:23

Instrument :

MSVOA_X

ClientSampleId :

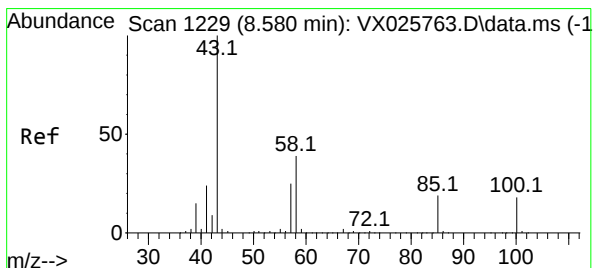
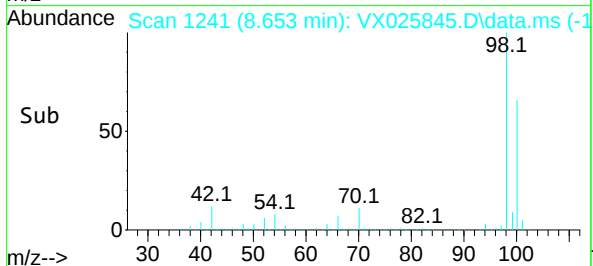
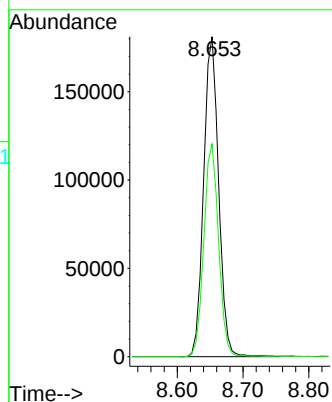
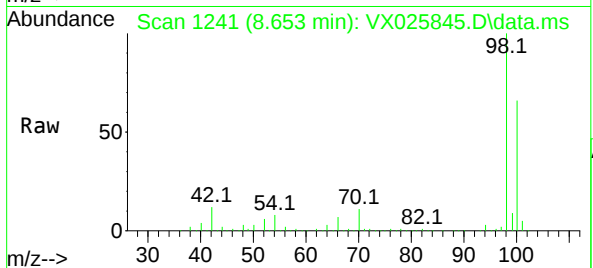
C8

Tgt Ion: 98 Resp: 286378

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.491 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX025845.D

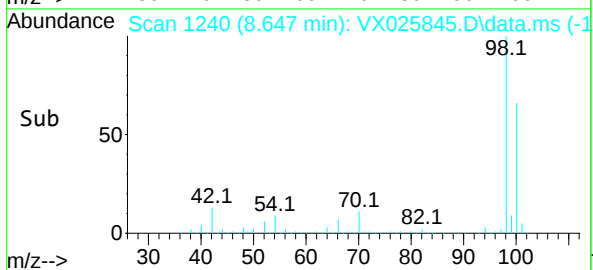
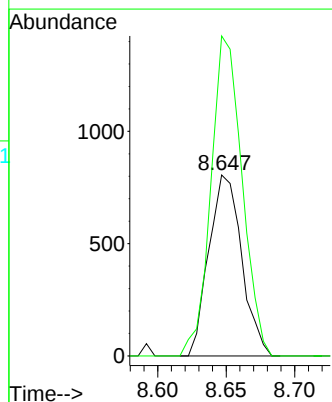
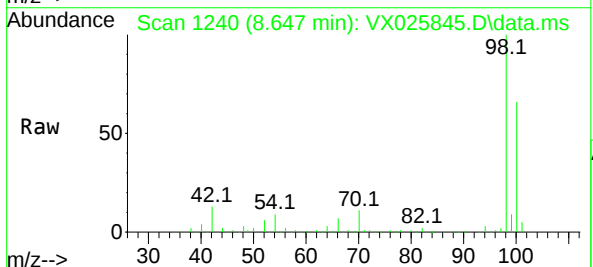
Acq: 16 Dec 2021 04:23

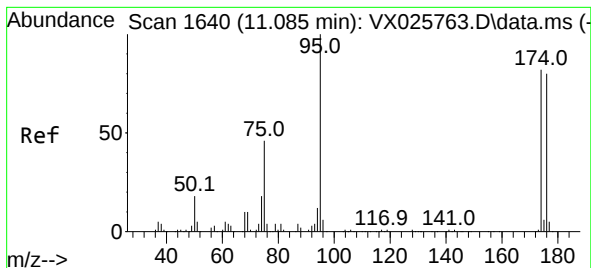
Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

58 168.3 30.8 46.2#

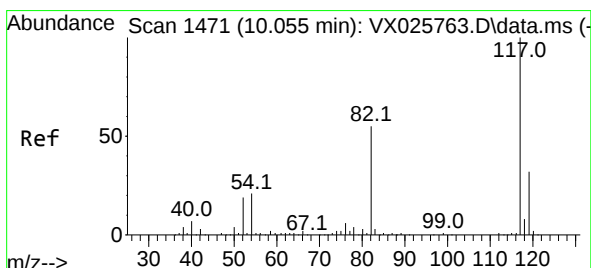
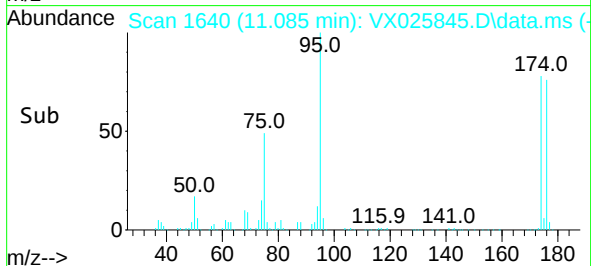
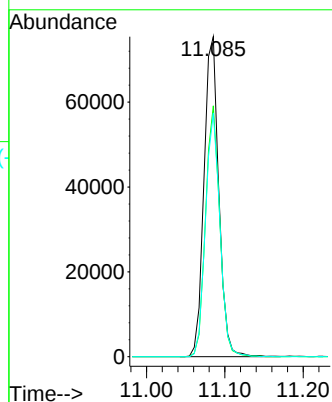
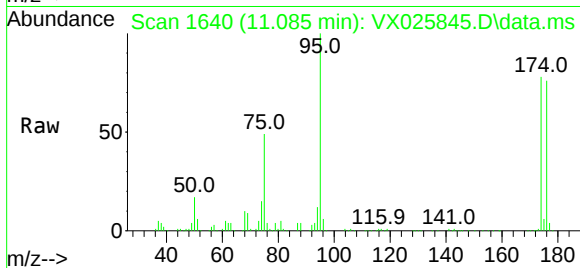




#62
4-Bromofluorobenzene
Concen: 41.596 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

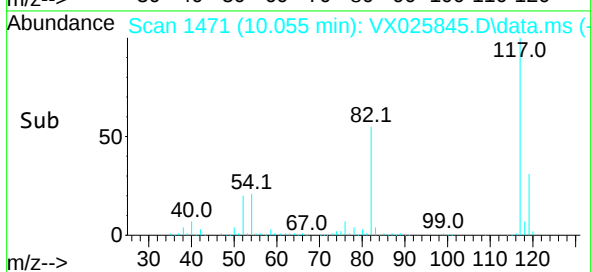
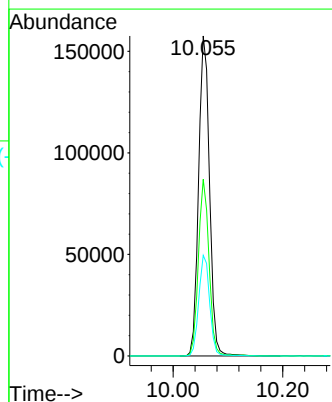
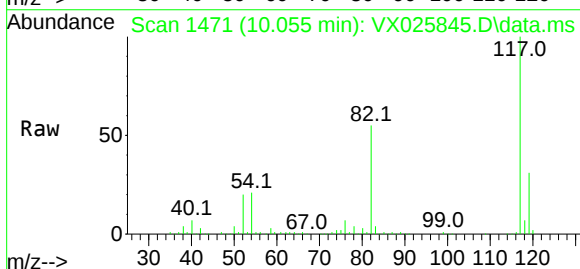
Instrument :
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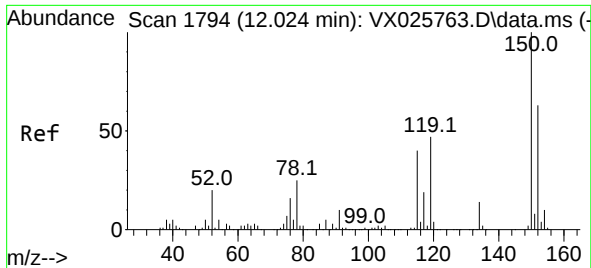
Tgt Ion: 95 Resp: 98911
Ion Ratio Lower Upper
95 100
174 75.3 0.0 157.4
176 74.3 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

Tgt Ion: 117 Resp: 218736
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.6
119 31.4 25.2 37.8

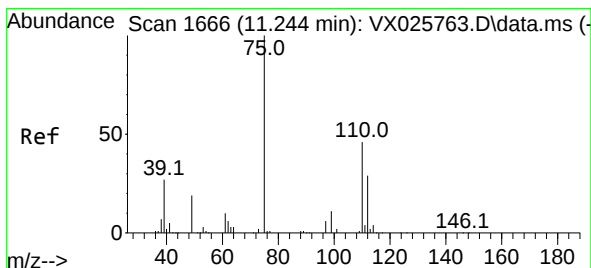
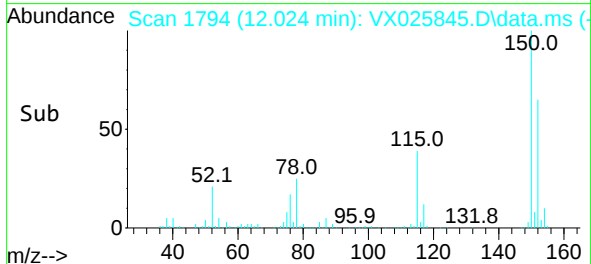
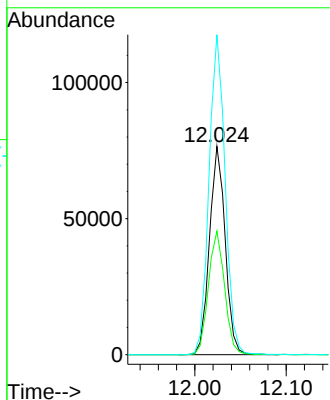
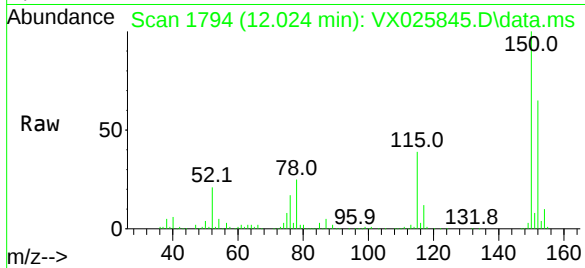




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025845.D
 Acq: 16 Dec 2021 04:23

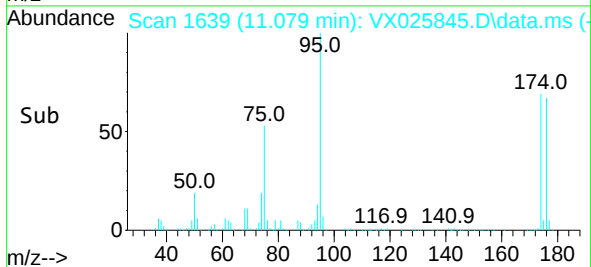
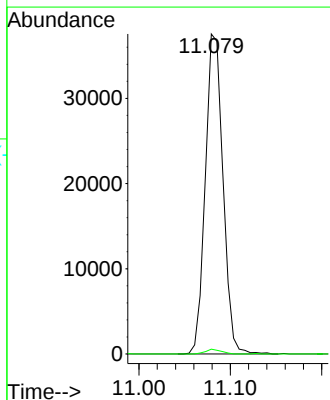
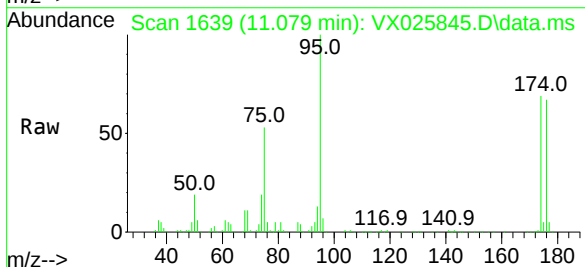
Instrument :
 MSVOA_X
 ClientSampleId :
 C8

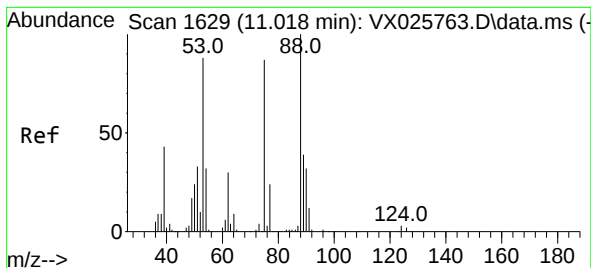
Tgt Ion:152 Resp: 91386
 Ion Ratio Lower Upper
 152 100
 115 60.9 41.3 123.9
 150 156.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 24.043 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025845.D
 Acq: 16 Dec 2021 04:23

Tgt Ion: 75 Resp: 50342
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.0 57.0#

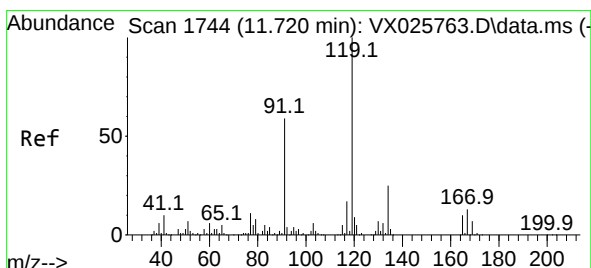
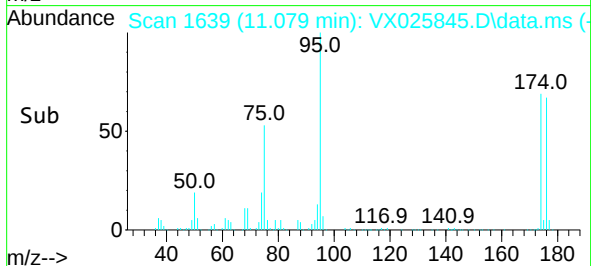
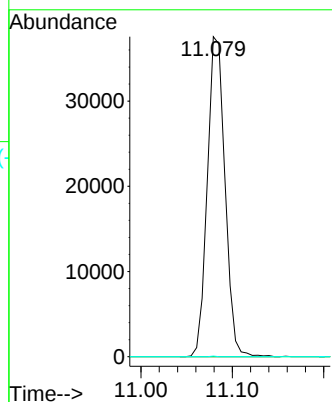
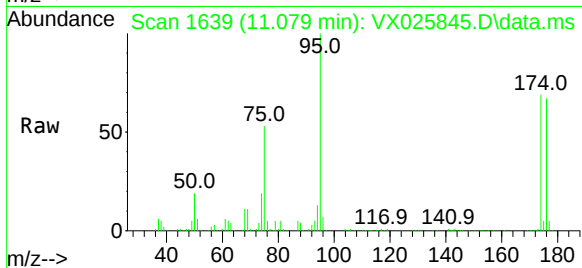




#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.540 ug/l
 RT: 11.079 min Scan# 1629
 Delta R.T. 0.061 min
 Lab File: VX025845.D
 Acq: 16 Dec 2021 04:23

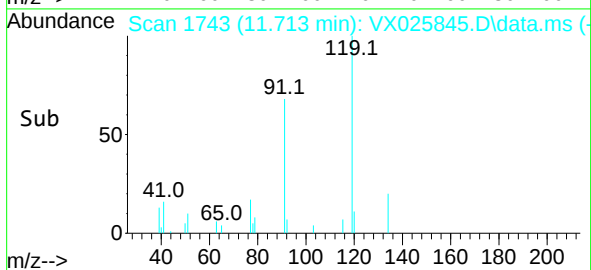
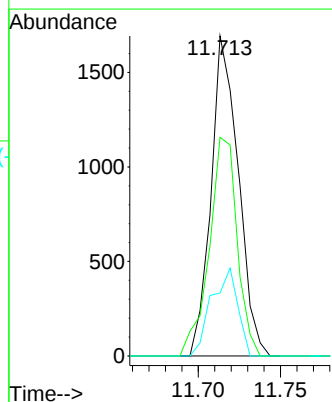
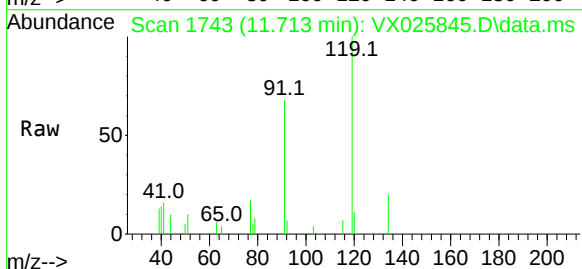
Instrument :
 MSVOA_X
 ClientSampleId :
 C8

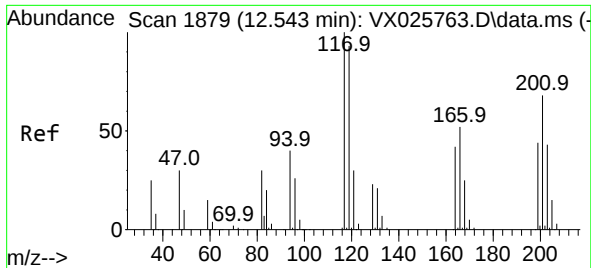
Tgt Ion: 75 Resp: 50342
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.1 38.3 57.5#



#83
 tert-Butylbenzene
 Concen: 0.361 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. -0.006 min
 Lab File: VX025845.D
 Acq: 16 Dec 2021 04:23

Tgt Ion: 119 Resp: 1945
 Ion Ratio Lower Upper
 119 100
 91 70.1 28.7 86.1
 134 26.3 11.9 35.9

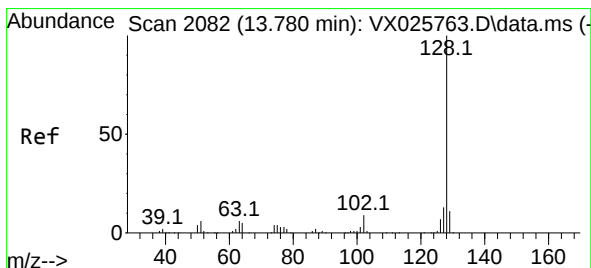
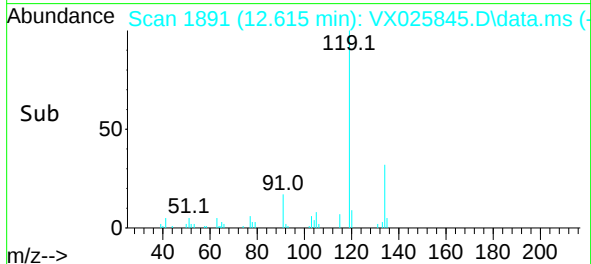
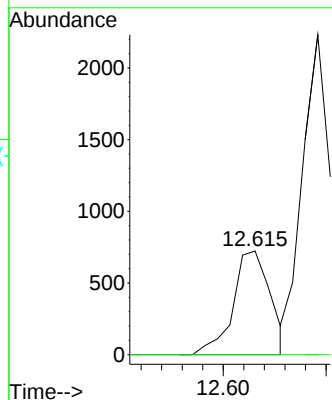
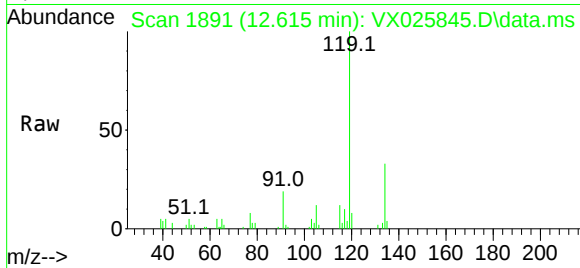




#90
Hexachloroethane
Concen: 0.851 ug/l
RT: 12.615 min Scan# 117
Delta R.T. 0.073 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

Instrument :
MSVOA_X
ClientSampleId :
C8

Tgt Ion:117 Resp: 910
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.3#



#95
Naphthalene
Concen: 2.530 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025845.D
Acq: 16 Dec 2021 04:23

Tgt Ion:128 Resp: 775
Ion Ratio Lower Upper
128 100
127 11.0 10.3 15.5
129 42.1 8.8 13.2#

