

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012140.D
 Acq On : 06 Sep 2019 10:47
 Operator : SY/SP
 Sample : K4580-16
 Misc : 4.31g/5.0mL/MSVOA X/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 11:32:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95195	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	108411	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
35) Dibromofluoromethane	5.49	113	83117	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	324162	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.14	95	122163	42.52	ug/l	0.00
Spiked Amount			Recovery	=	85.04%	

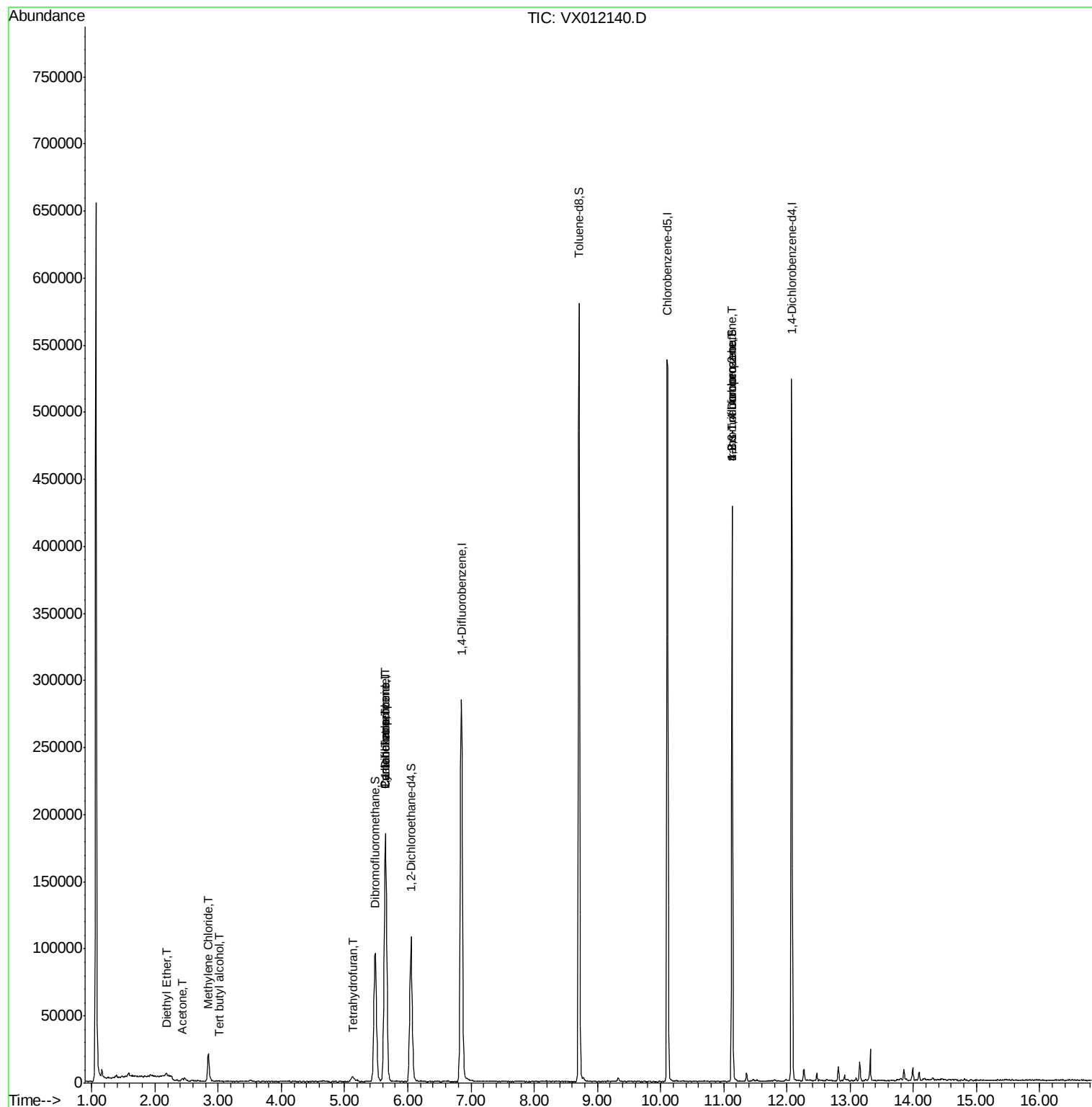
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	829	1.120	ug/l	100
11) Tert butyl alcohol	3.02	59	604	2.936	ug/l	98
13) Acrolein	2.28	56	168	Below Cal	#	48
16) Acetone	2.42	43	2224	4.345	ug/l	100
20) Methylene Chloride	2.84	84	9622	4.681	ug/l	94
29) Tetrahydrofuran	5.12	42	3149	8.022	ug/l	92
31) Cyclohexane	5.65	56	4282	1.631	ug/l	# 18
36) 1,1-Dichloropropene	5.65	75	14673	6.085	ug/l	# 50
38) Carbon Tetrachloride	5.65	117	18306	7.205	ug/l	# 14
76) 1,2,3-Trichloropropane	11.13	75	64903	55.800	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.13	75	64903	131.920	ug/l	# 10

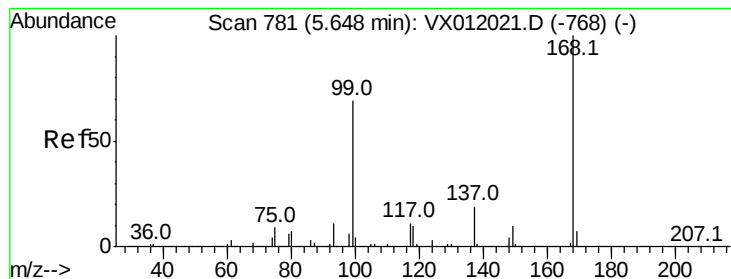
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090519\
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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012140.D

Acq: 06 Sep 2019 10:47

Instrument :

MSVOA_X

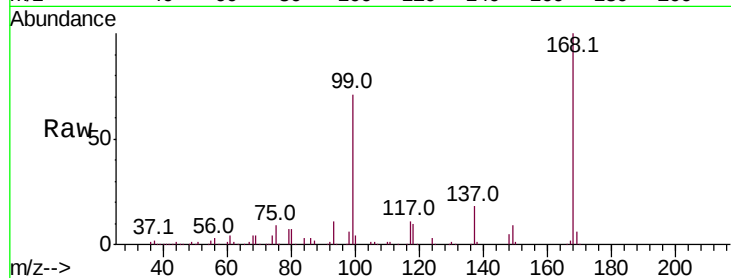
ClientSampled :

Tot Ion:168 Resp: 155201

Ion Ratio Lower Upper

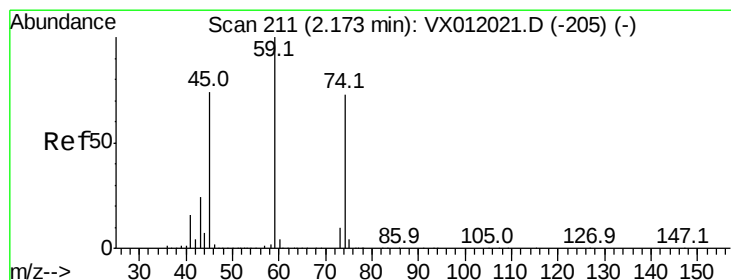
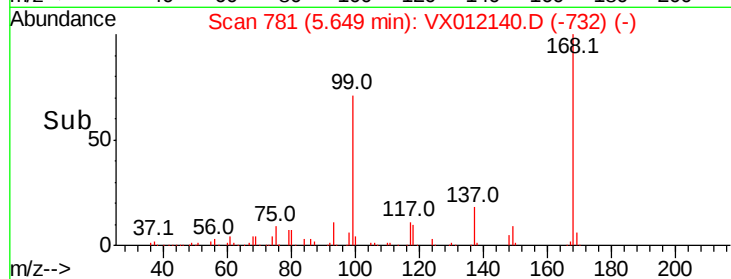
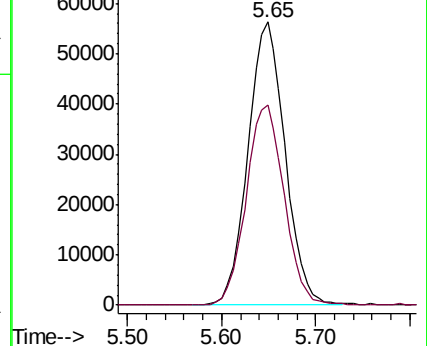
168 100

99 70.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.120 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012140.D

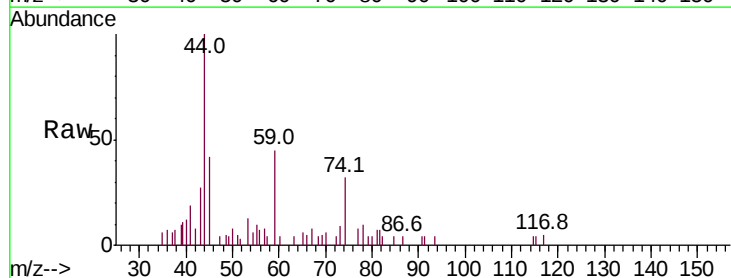
Acq: 06 Sep 2019 10:47

Tgt Ion: 74 Resp: 829

Ion Ratio Lower Upper

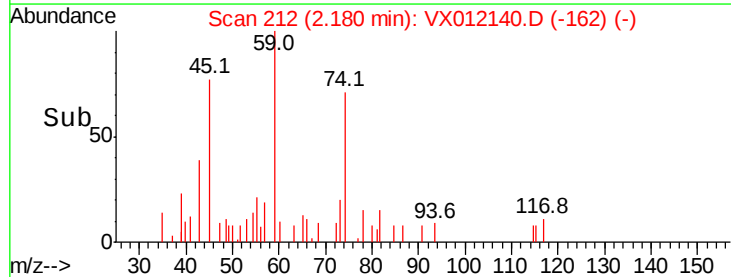
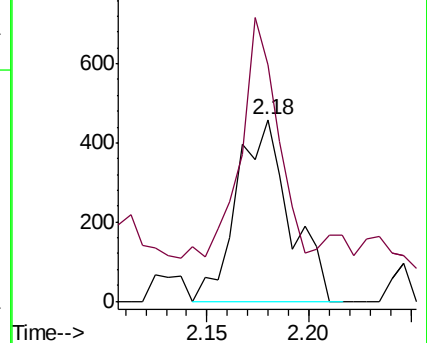
74 100

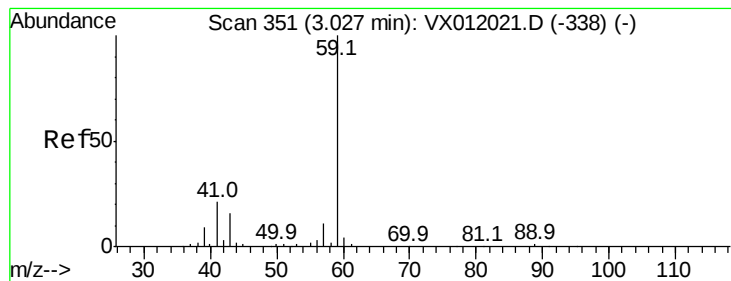
45 91.8 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



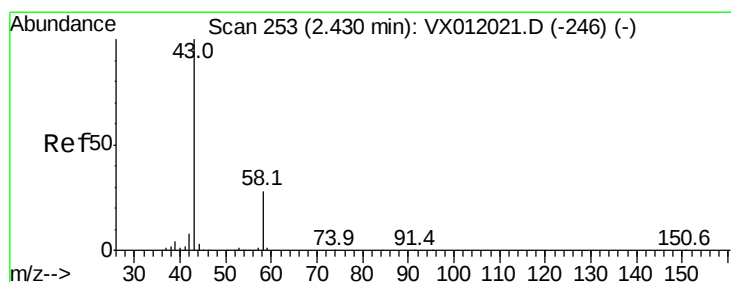
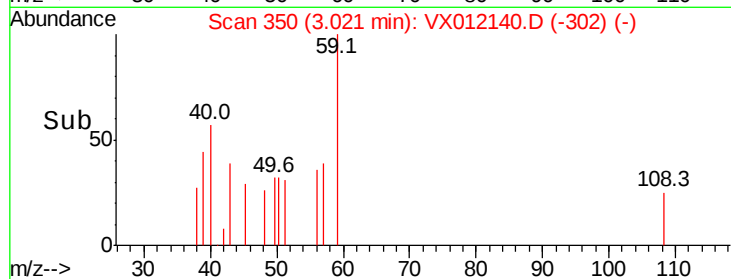
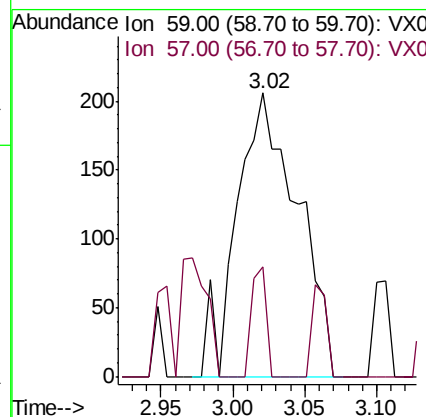
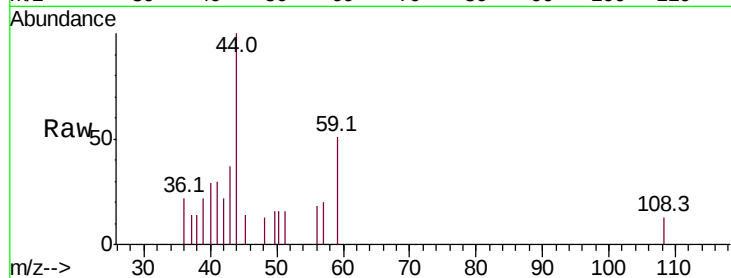


#11

Tert butyl alcohol
 Concen: 2.936 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampled :

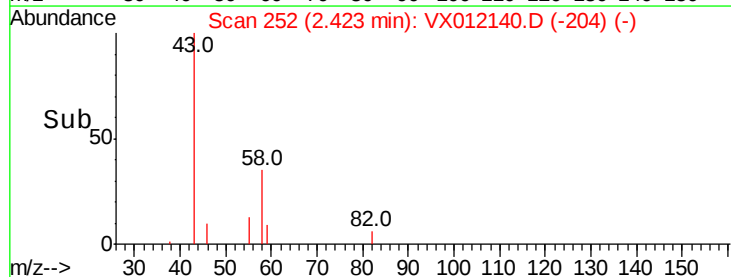
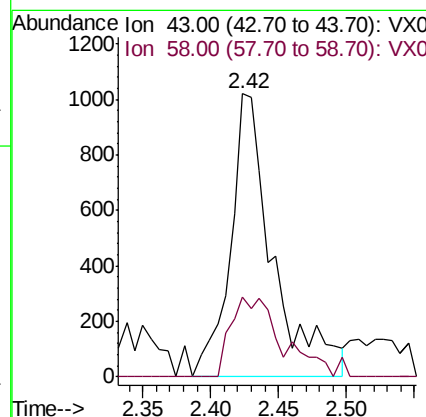
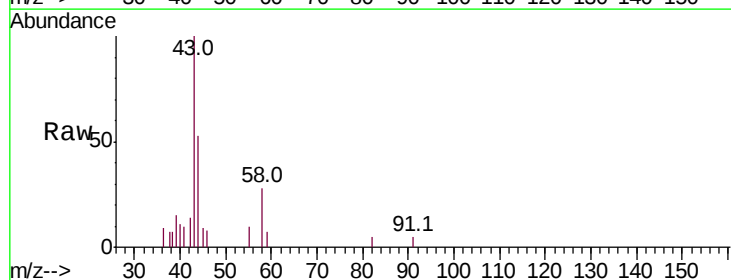
Tot Ion: 59 Resp: 604
 Ion Ratio Lower Upper
 59 100
 57 9.1 7.9 11.9

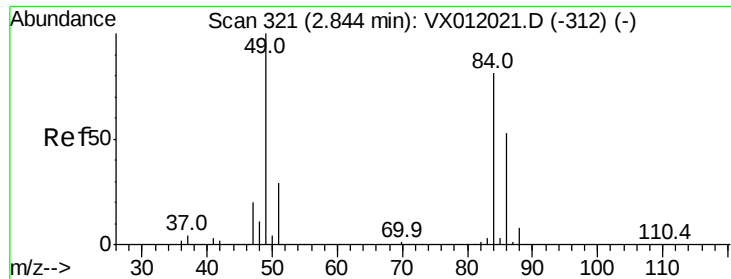


#16

Acetone
 Concen: 4.345 ug/l
 RT: 2.42 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Tgt Ion: 43 Resp: 2224
 Ion Ratio Lower Upper
 43 100
 58 28.3 22.8 34.2

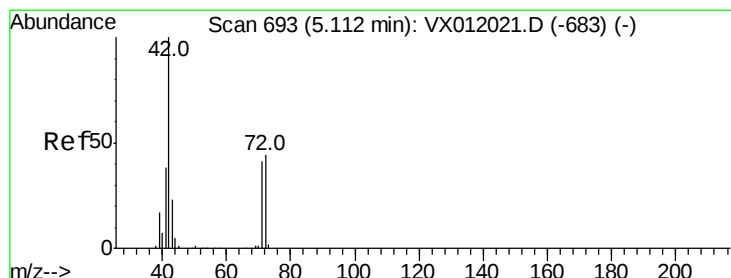
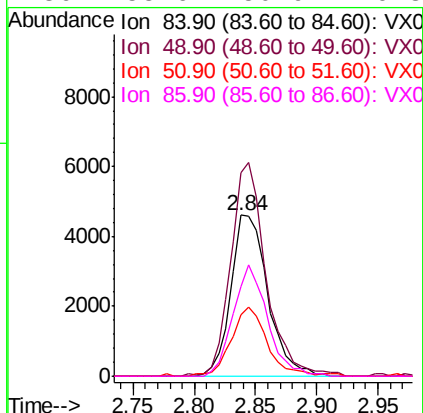
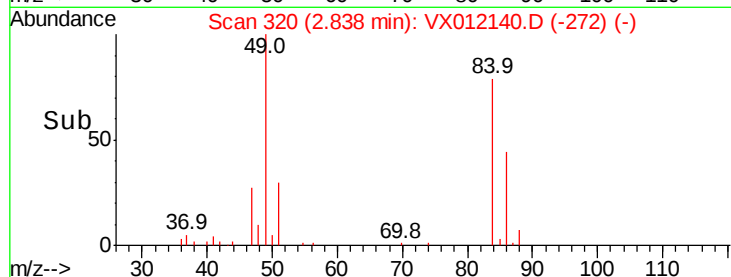
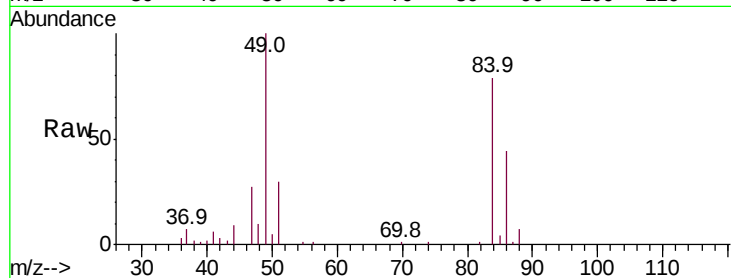




#20
Methvlene Chloride
Concen: 4.681 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012140.D
Acq: 06 Sep 2019 10:47

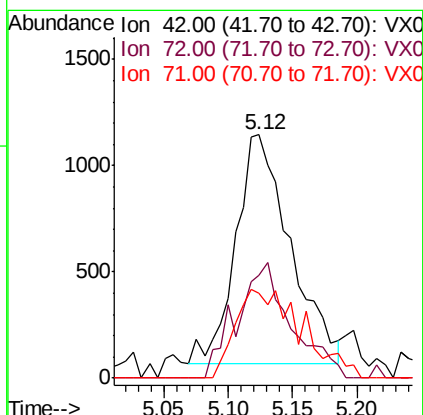
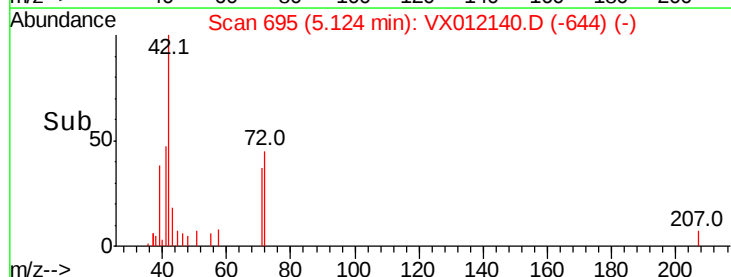
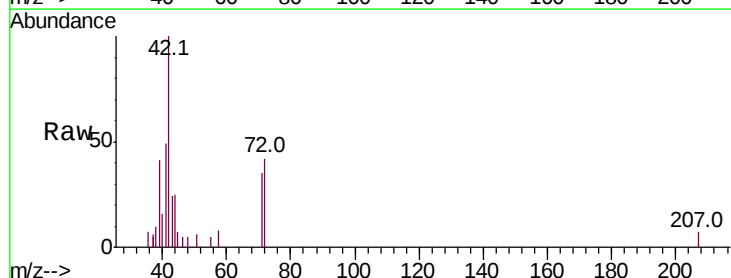
Instrument :
MSVOA_X
ClientSampleId :

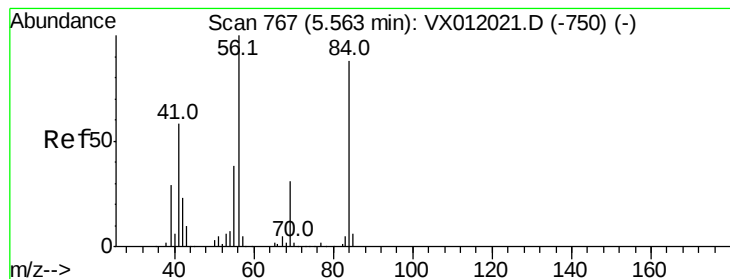
Tot Ion:	84	Resp:	9622
Ion	Ratio	Lower	Upper
84	100		
49	124.9	95.8	143.8
51	38.0	28.6	43.0
86	55.6	50.9	76.3



#29
Tetrahydrofuran
Concen: 8.022 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012140.D
Acq: 06 Sep 2019 10:47

Tgt Ion:	42	Resp:	3149
Ion	Ratio	Lower	Upper
42	100		
72	50.5	37.0	55.4
71	47.8	33.8	50.8





#31

Cyclohexane

Concen: 1.631 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012140.D

Acq: 06 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :

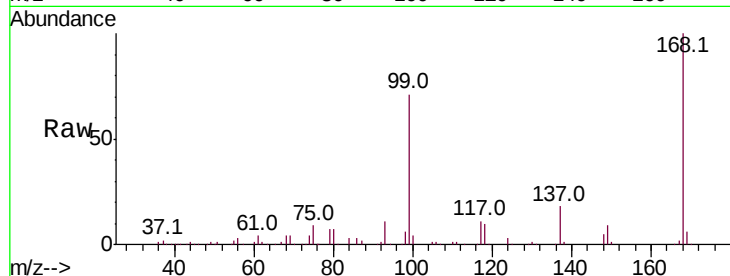
Tot Ion: 56 Resp: 4282

Ion Ratio Lower Upper

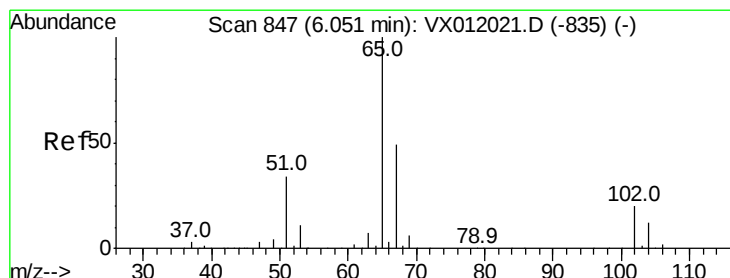
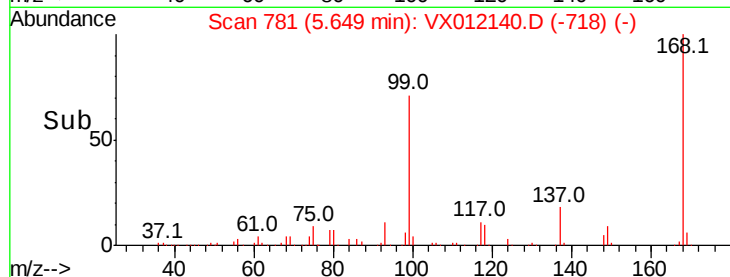
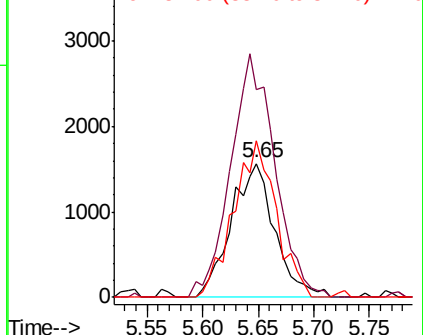
56 100

69 154.9 25.7 38.5#

84 117.0 70.3 105.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.625 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012140.D

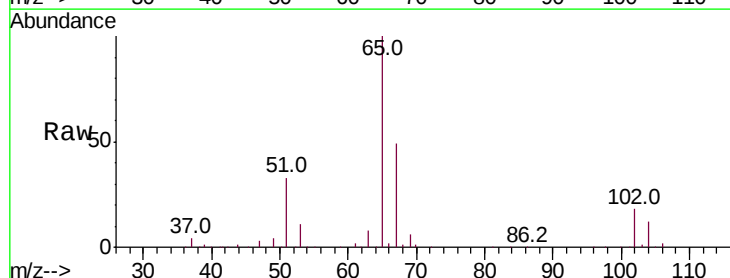
Acq: 06 Sep 2019 10:47

Tgt Ion: 65 Resp: 108411

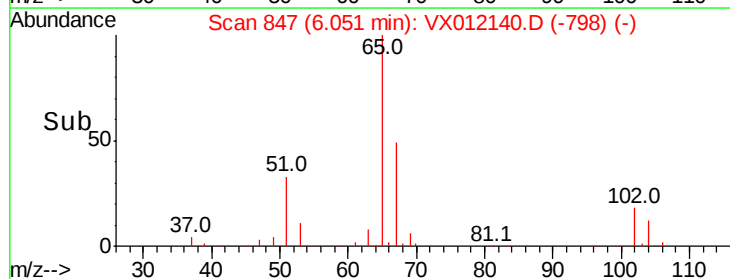
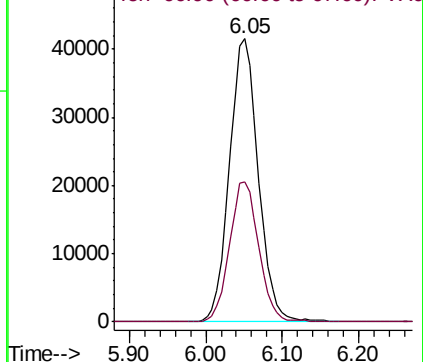
Ion Ratio Lower Upper

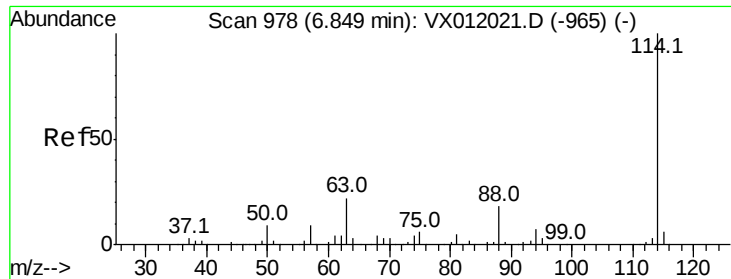
65 100

67 50.0 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

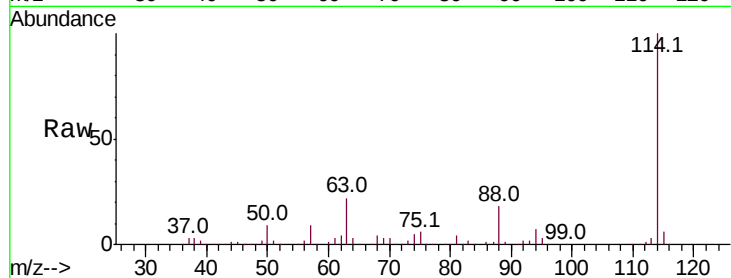




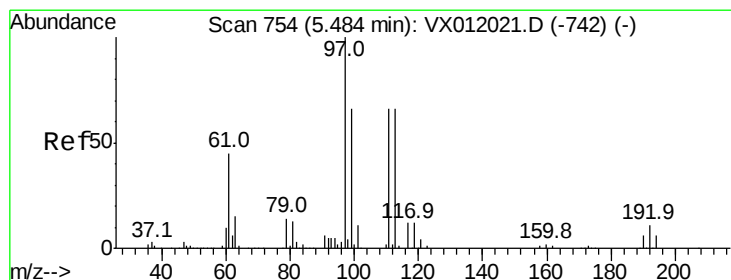
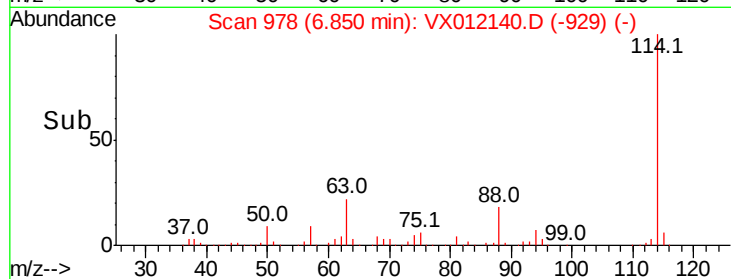
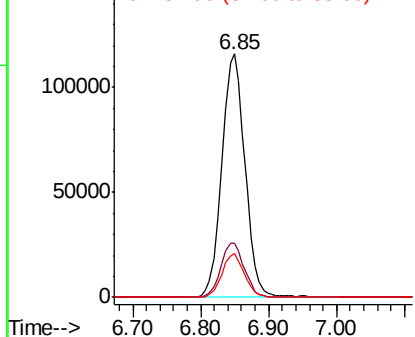
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 273763
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 37.4
 88 17.8 0.0 29.6

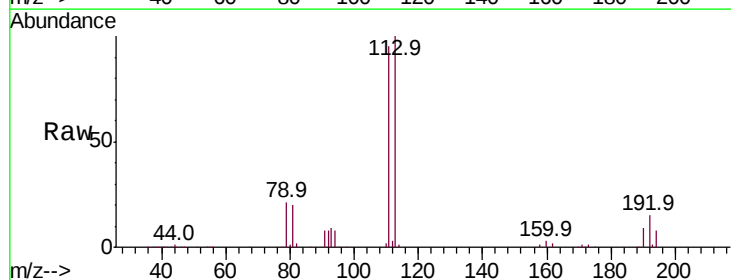


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

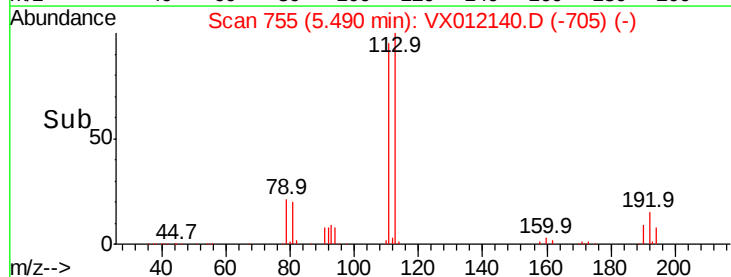
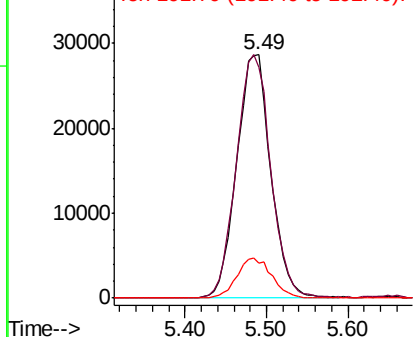


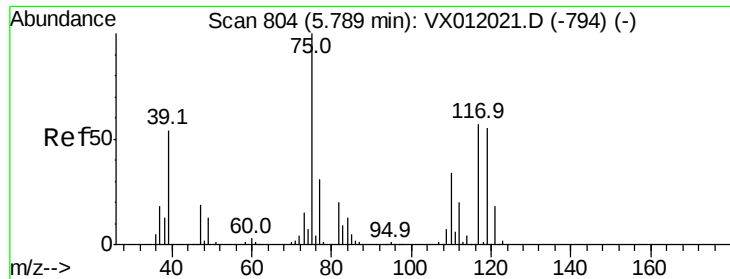
#35
 Dibromofluoromethane
 Concen: 49.370 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Tgt Ion:113 Resp: 83117
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.7 122.5
 192 16.8 22.5 33.7#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

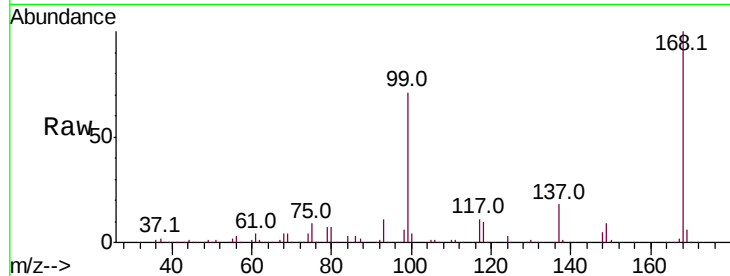




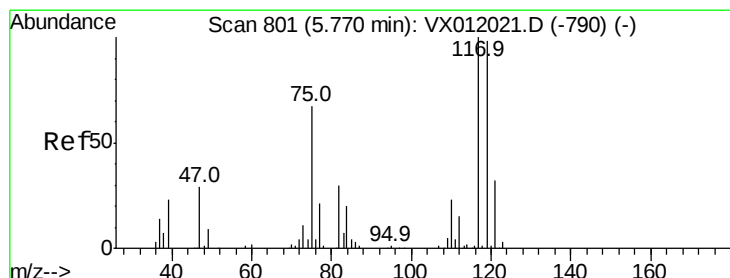
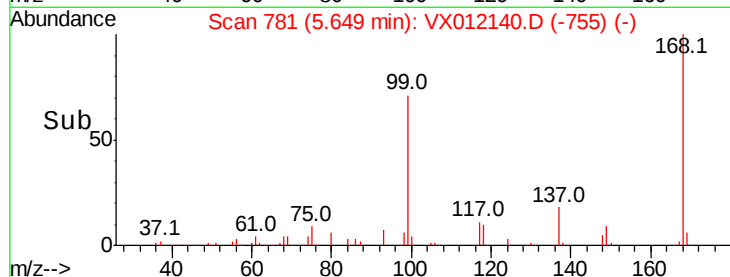
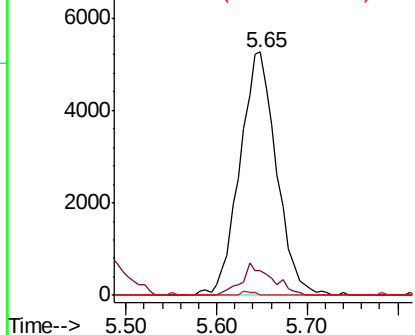
#36
 1,1-Dichloropropene
 Concen: 6.085 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 14673
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.5 58.5#
 77 0.5 24.6 37.0#

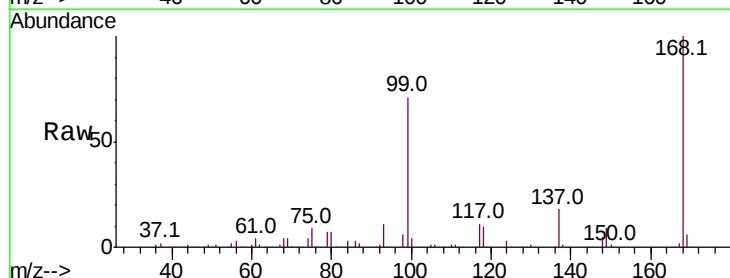


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

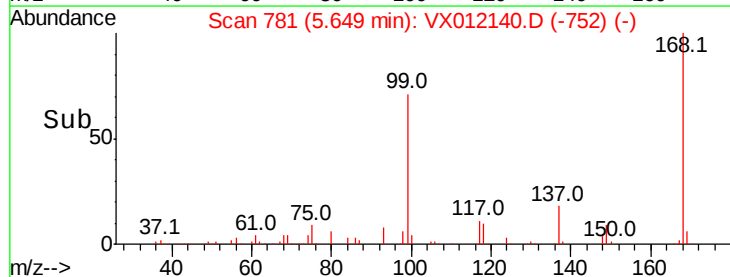
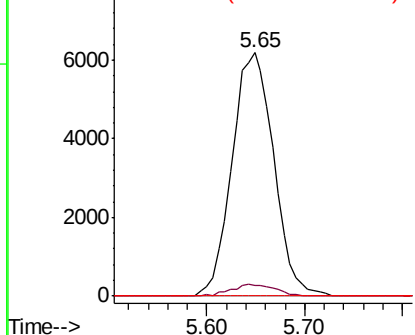


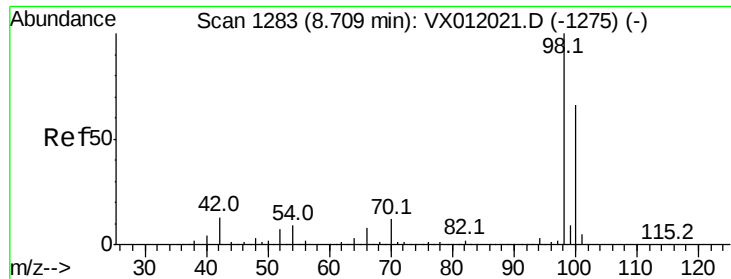
#38
 Carbon Tetrachloride
 Concen: 7.205 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Tgt Ion: 117 Resp: 18306
 Ion Ratio Lower Upper
 117 100
 119 4.2 78.3 117.5#
 121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.471 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012140.D

Acq: 06 Sep 2019 10:47

Instrument :

MSVOA_X

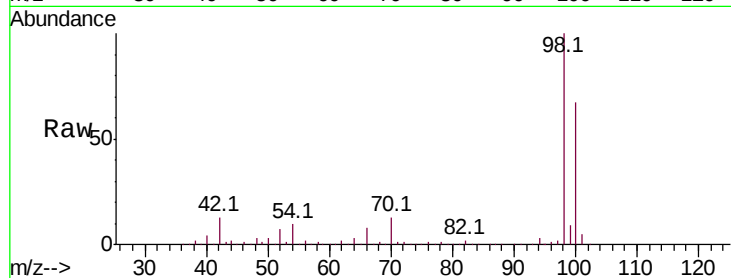
ClientSampleId :

Tot Ion: 98 Resp: 324162

Ion Ratio Lower Upper

98 100

100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

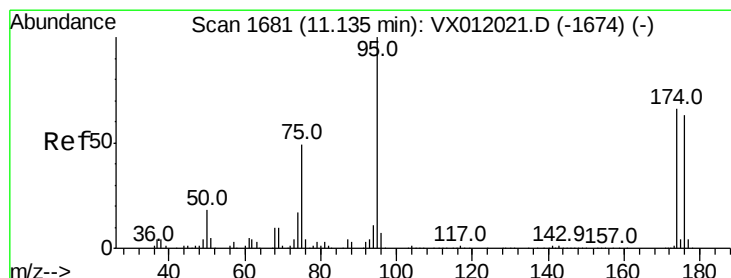
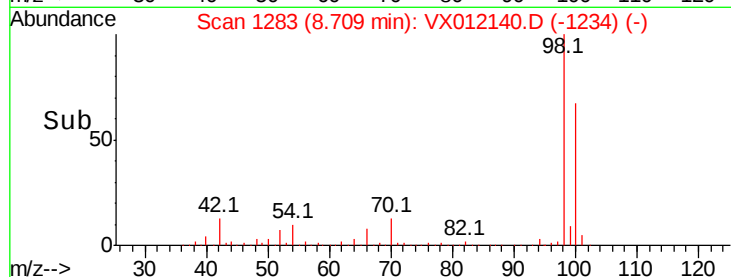
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 42.520 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012140.D

Acq: 06 Sep 2019 10:47

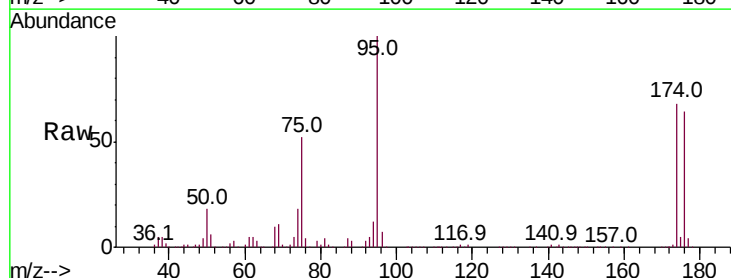
Tgt Ion: 95 Resp: 122163

Ion Ratio Lower Upper

95 100

174 64.2 0.0 205.4

176 62.7 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

120000

100000

80000

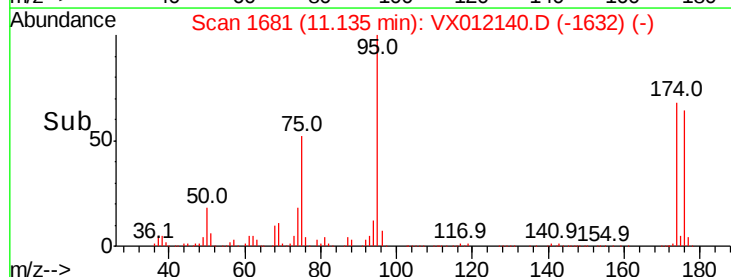
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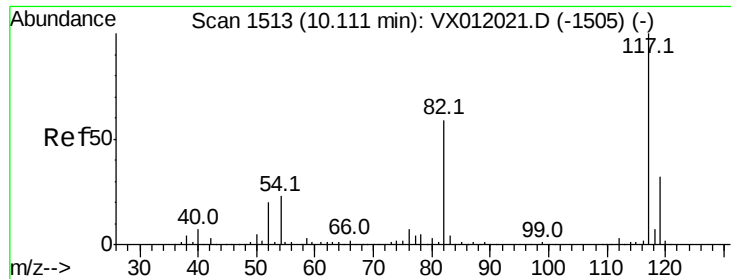
40000

20000

0

Time--> 11.10 11.20

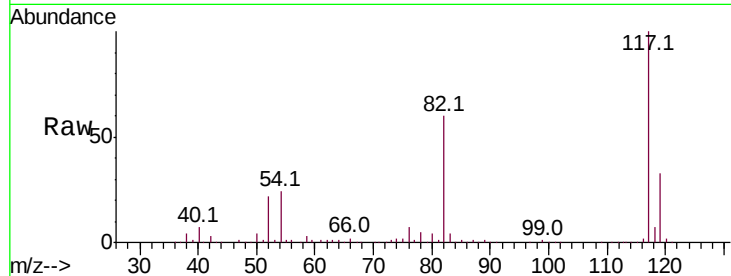




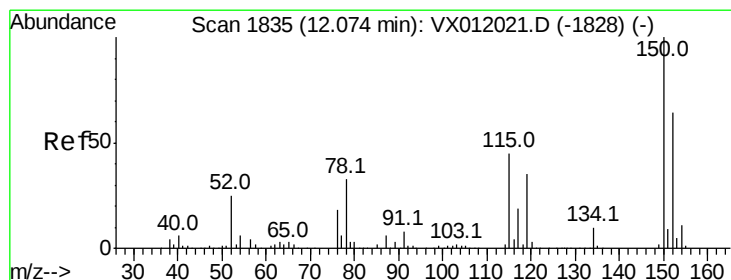
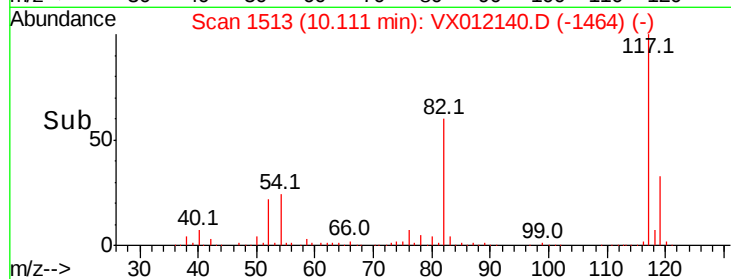
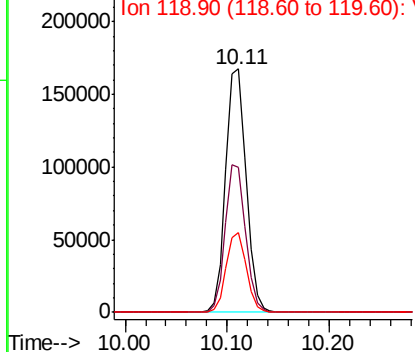
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012140.D
Acq: 06 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 234184
Ion Ratio Lower Upper
117 100
82 59.6 39.4 59.0#
119 32.7 26.1 39.1

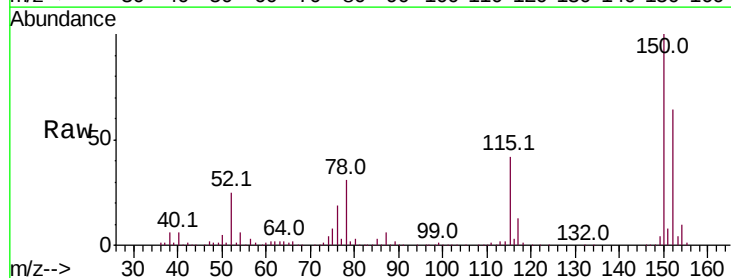


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

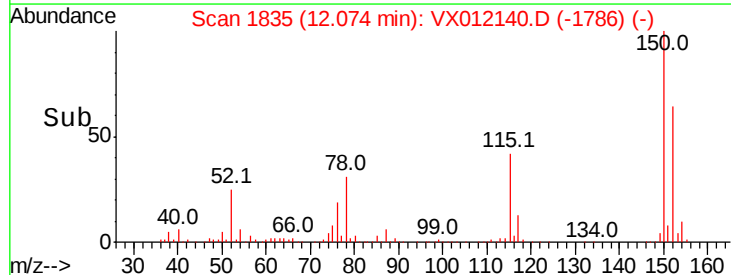
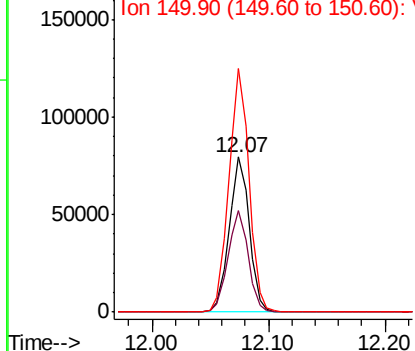


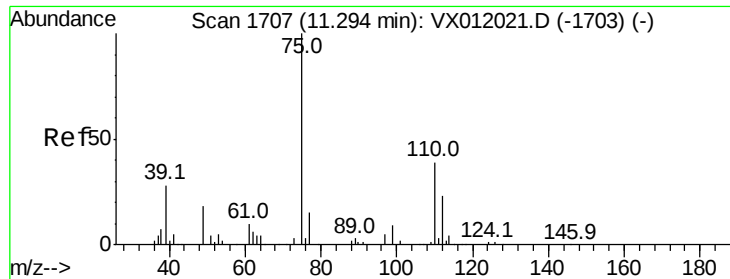
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012140.D
Acq: 06 Sep 2019 10:47

Tgt Ion:152 Resp: 95195
Ion Ratio Lower Upper
152 100
115 65.7 36.4 109.3
150 157.5 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

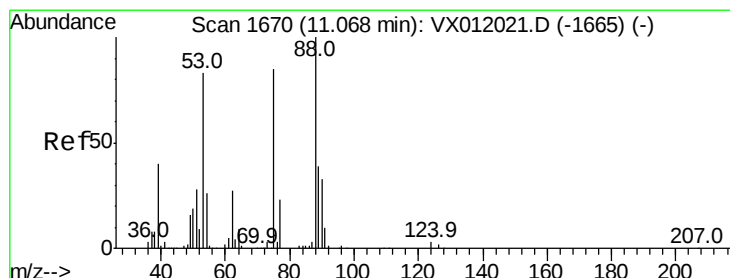
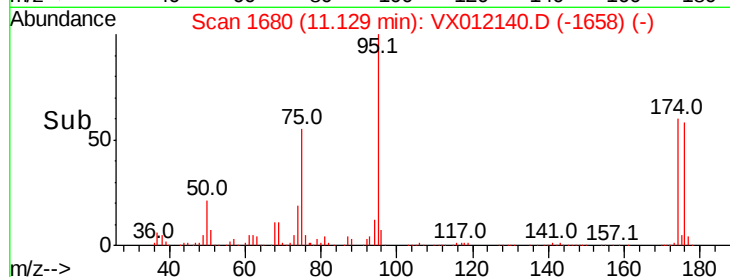
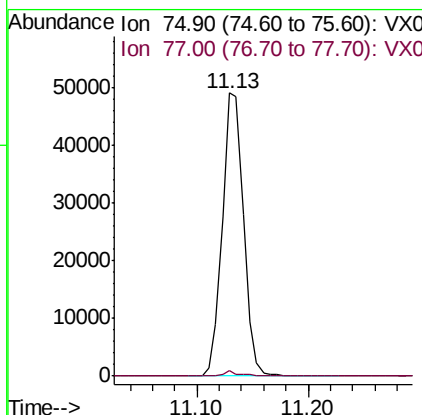
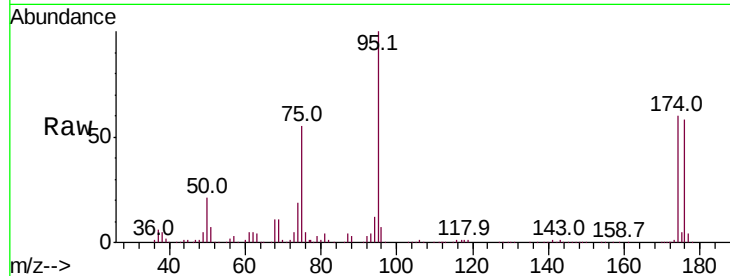




#76
 1,2,3-Trichloropropane
 Concen: 55.800 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 64903
 Ion Ratio Lower Upper
 75 100
 77 1.5 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.920 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012140.D
 Acq: 06 Sep 2019 10:47

Tgt Ion: 75 Resp: 64903
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

