

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012113.D
 Acq On : 05 Sep 2019 20:54
 Operator : SY/SP
 Sample : K4548-08
 Misc : 6.39g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T8-S-G3-(2.5)

Quant Time: Sep 06 05:45:21 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	150020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	263654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99843	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	104168	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	5.48	113	78509	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	8.71	98	309892	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.14	95	124060	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	

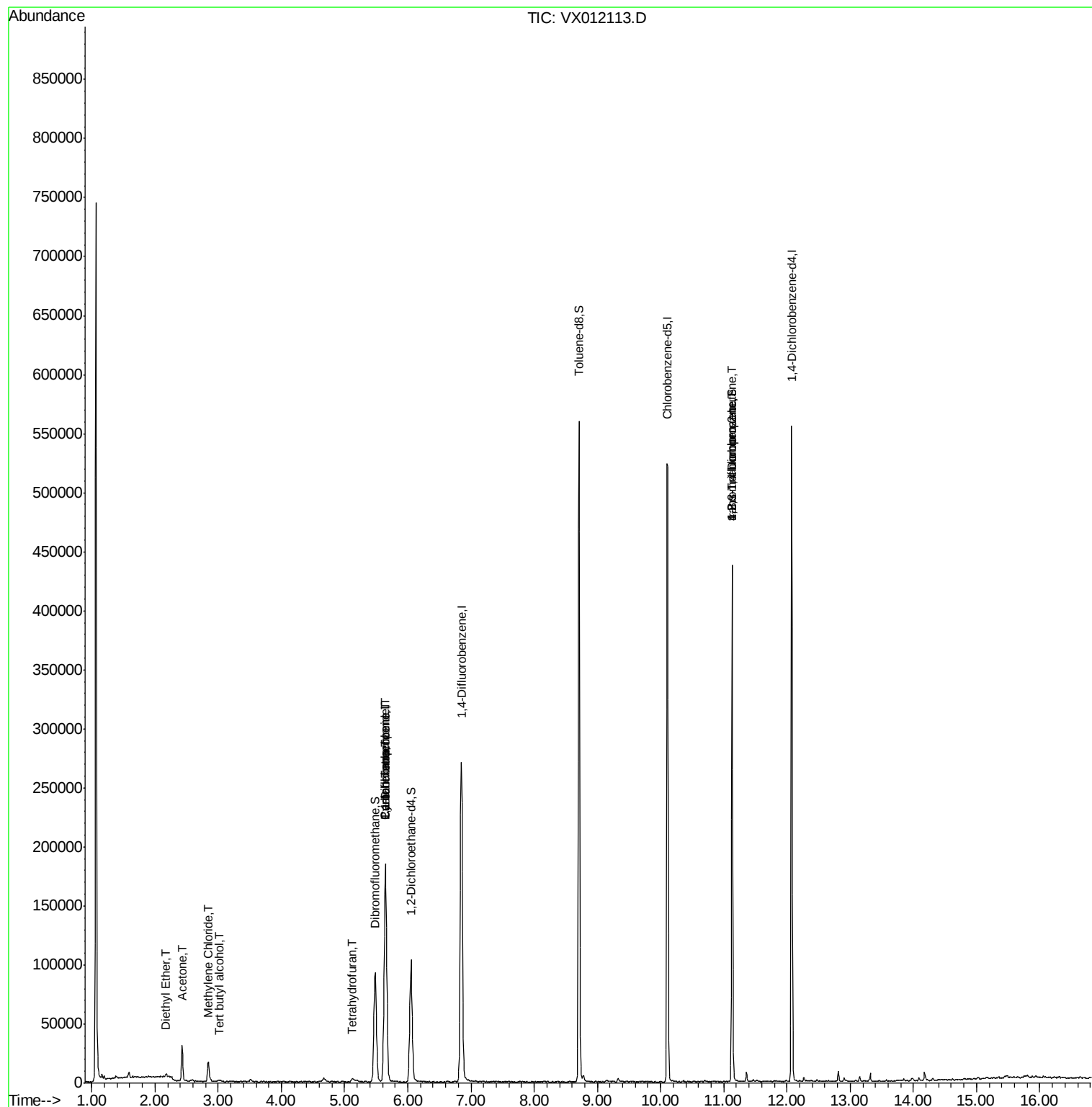
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	866	1.210	ug/l	76
11) Tert butyl alcohol	3.02	59	1685	8.475	ug/l #	93
13) Acrolein	2.27	56	322	Below Cal	#	50
16) Acetone	2.43	43	31931	64.537	ug/l	97
20) Methylene Chloride	2.84	84	7905	3.979	ug/l	96
29) Tetrahydrofuran	5.12	42	3062	8.069	ug/l	96
31) Cyclohexane	5.64	56	4270	1.683	ug/l #	36
36) 1,1-Dichloropropene	5.64	75	14280	6.150	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18432	7.533	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	64832	53.144	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	64832	125.641	ug/l #	10

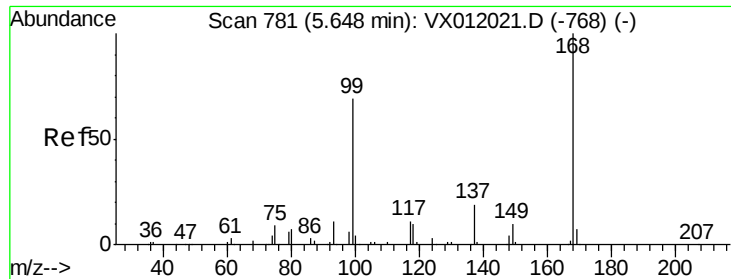
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
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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: VX012113.D

Acq: 05 Sep 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

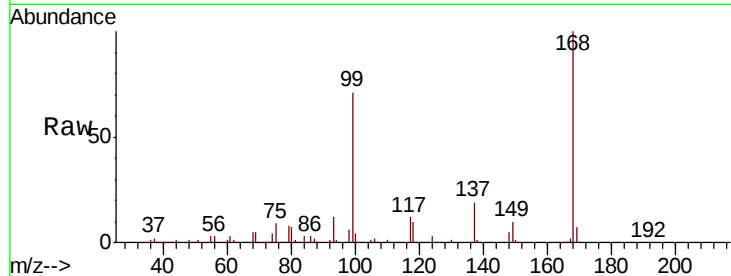
T8-S-G3-(2.5)

Tgt Ion:168 Resp: 150020

Ion Ratio Lower Upper

168 100

99 71.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

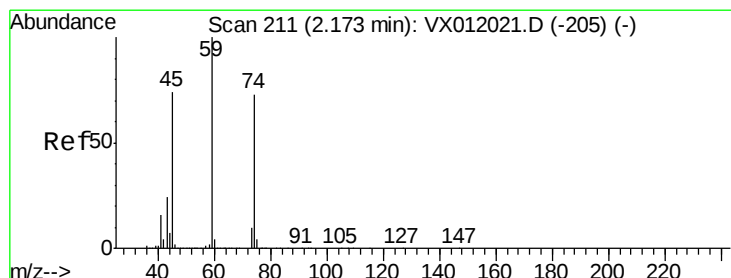
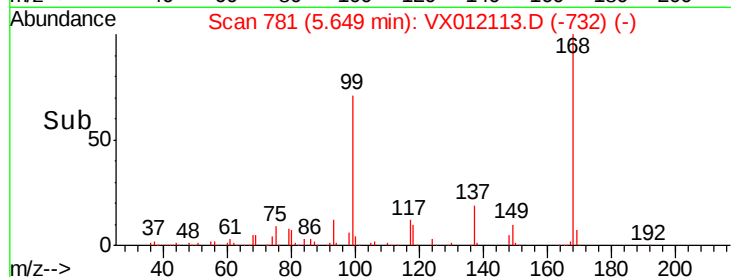
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.210 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012113.D

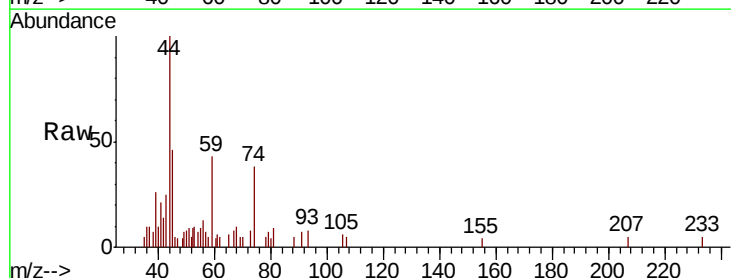
Acq: 05 Sep 2019 20:54

Tgt Ion: 74 Resp: 866

Ion Ratio Lower Upper

74 100

45 114.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

600

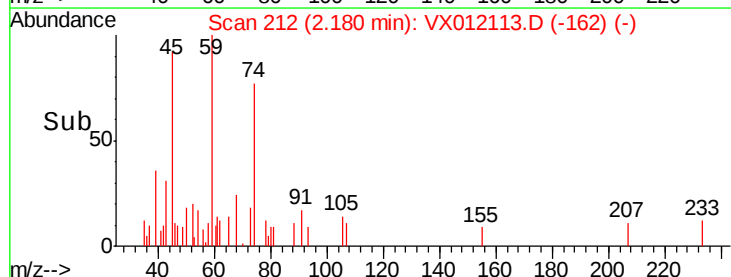
400

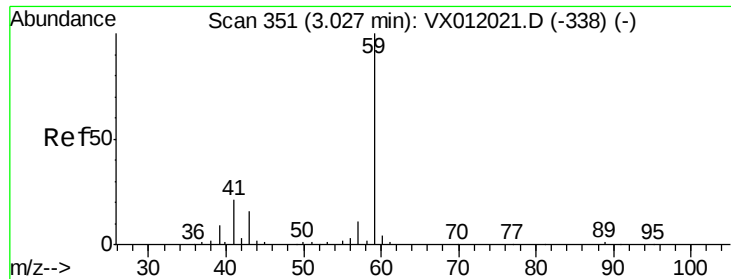
200

0

Time-->

2.10 2.15 2.20 2.25

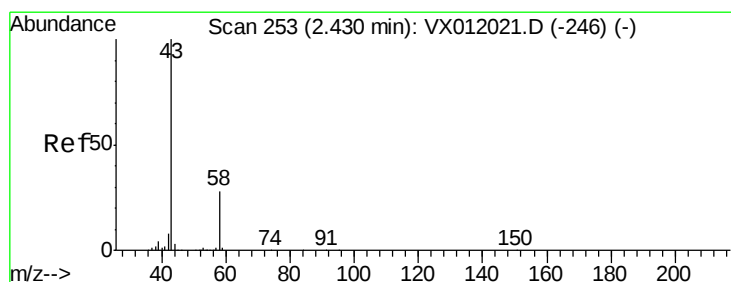
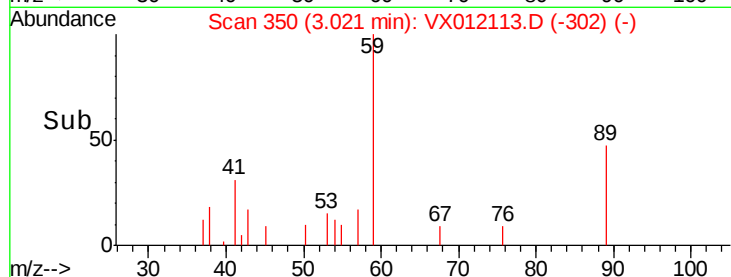
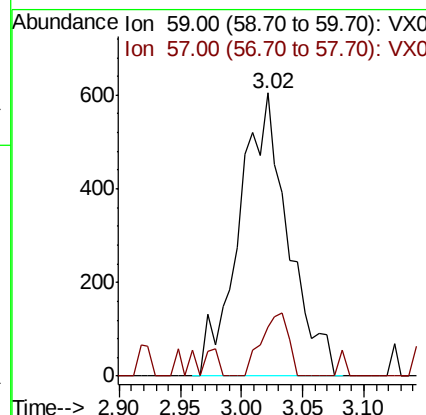
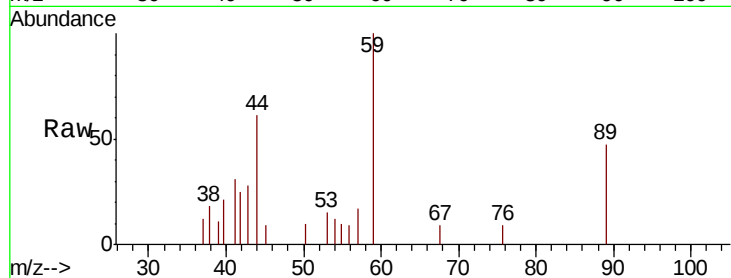




#11
Tert butyl alcohol
Concen: 8.475 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

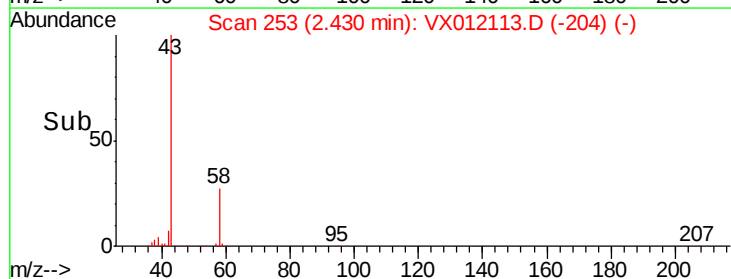
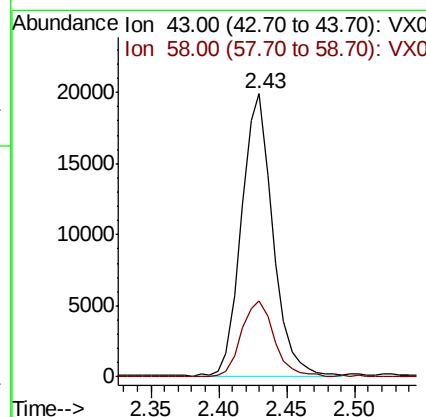
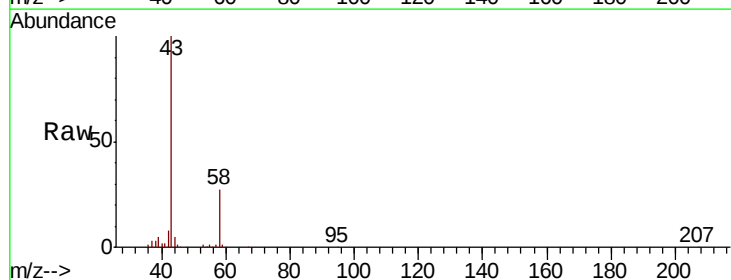
Instrument :
MSVOA_X
ClientSampleId :
T8-S-G3-(2.5)

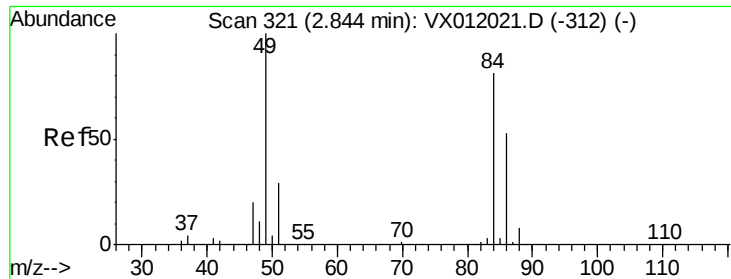
Tgt Ion: 59 Resp: 1685
Ion Ratio Lower Upper
59 100
57 12.3 7.9 11.9#



#16
Acetone
Concen: 64.537 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

Tgt Ion: 43 Resp: 31931
Ion Ratio Lower Upper
43 100
58 27.1 22.8 34.2

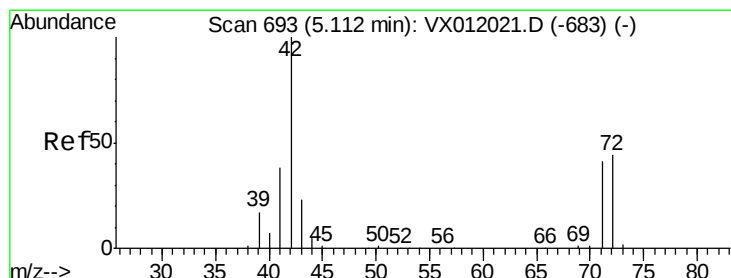
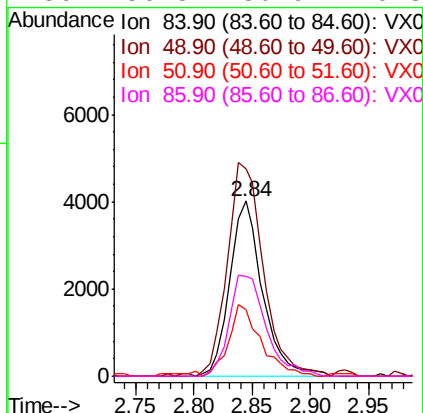
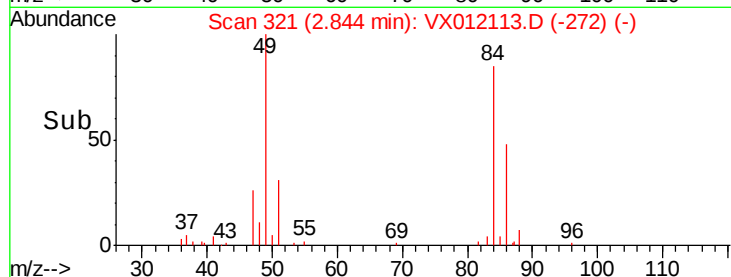
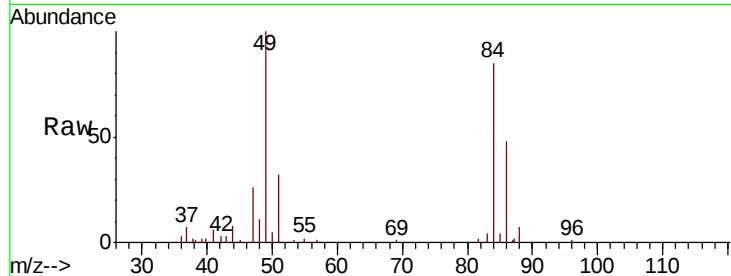




#20
Methylene Chloride
Concen: 3.979 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

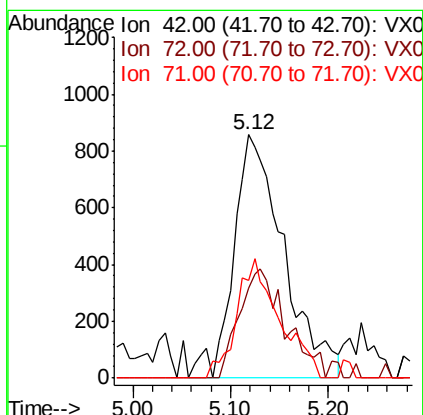
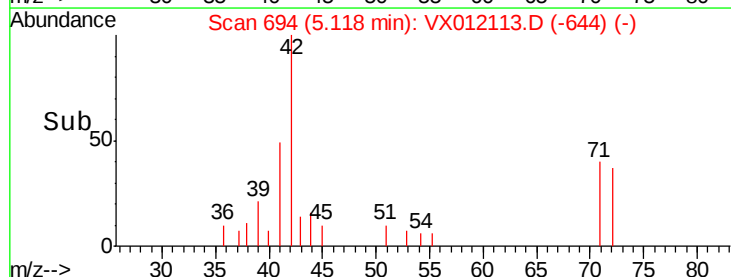
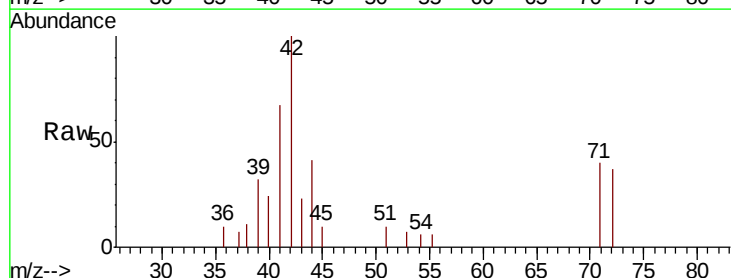
Instrument :
MSVOA_X
ClientSampleId :
T8-S-G3-(2.5)

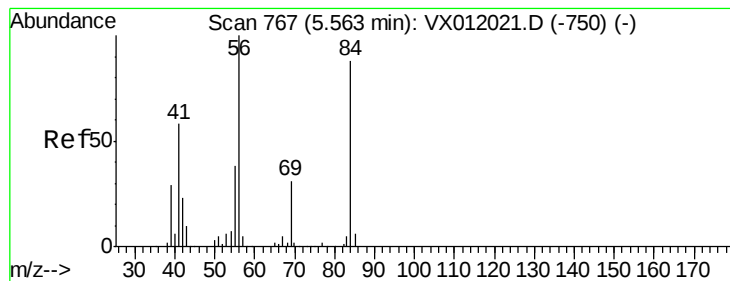
Tgt Ion:	84	Resp:	7905
Ion	Ratio	Lower	Upper
84	100		
49	116.8	95.8	143.8
51	36.3	28.6	43.0
86	56.8	50.9	76.3



#29
Tetrahydrofuran
Concen: 8.069 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

Tgt Ion:	42	Resp:	3062
Ion	Ratio	Lower	Upper
42	100		
72	41.2	37.0	55.4
71	41.6	33.8	50.8





#31

Cyclohexane

Concen: 1.683 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012113.D

Acq: 05 Sep 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G3-(2.5)

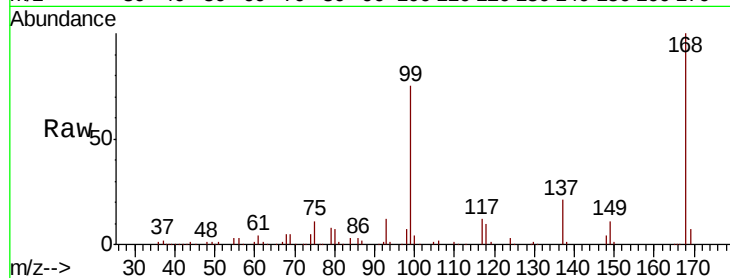
Tgt Ion: 56 Resp: 4270

Ion Ratio Lower Upper

56 100

69 166.1 25.7 38.5#

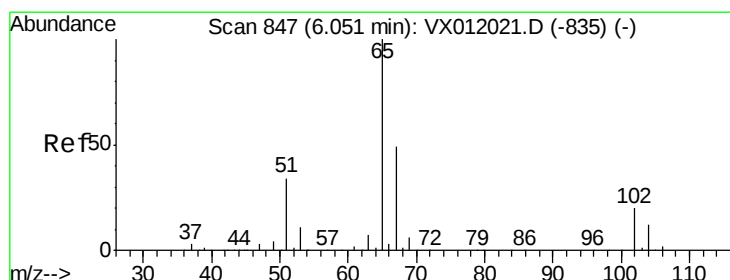
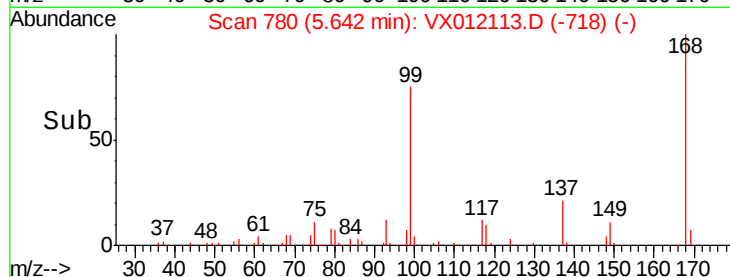
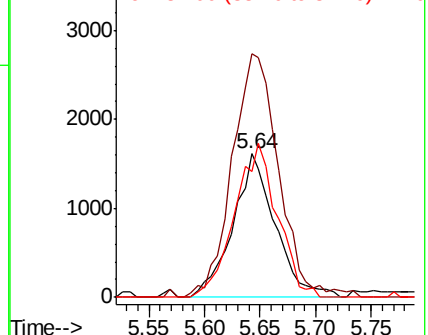
84 87.6 70.3 105.5



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: 50.323 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012113.D

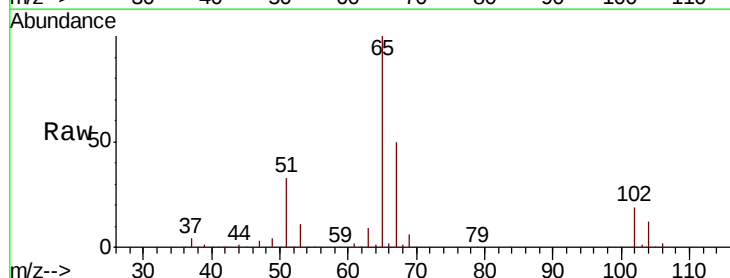
Acq: 05 Sep 2019 20:54

Tgt Ion: 65 Resp: 104168

Ion Ratio Lower Upper

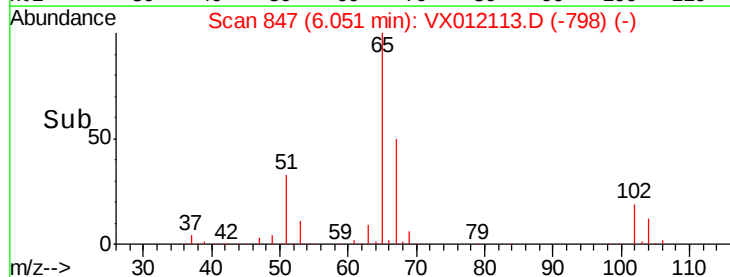
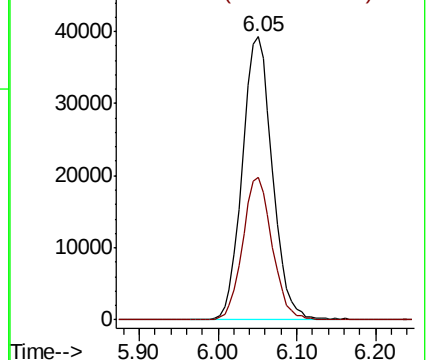
65 100

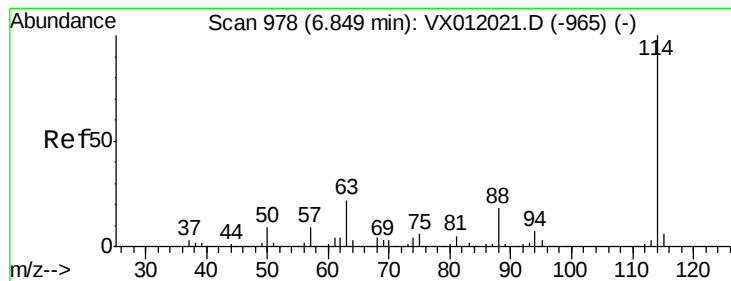
67 49.3 0.0 102.0



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: VX012113.D

Acq: 05 Sep 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G3-(2.5)

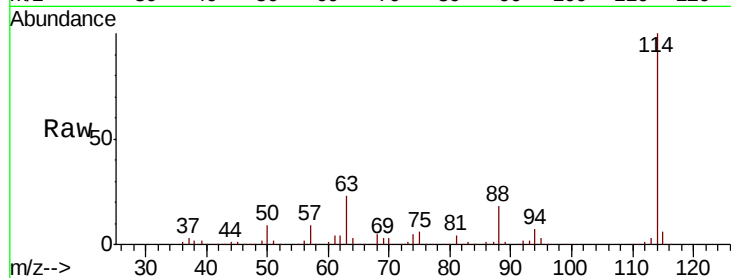
Tgt Ion:114 Resp: 263654

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.4

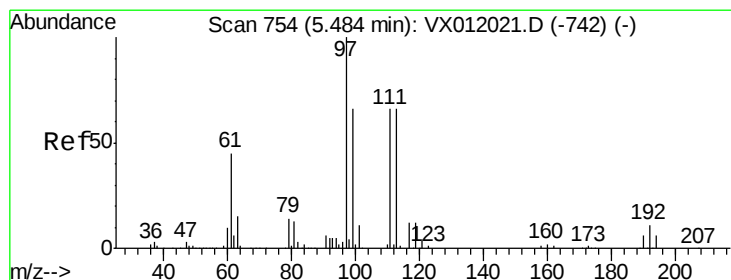
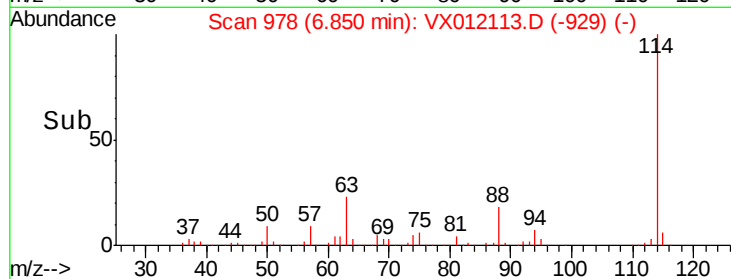
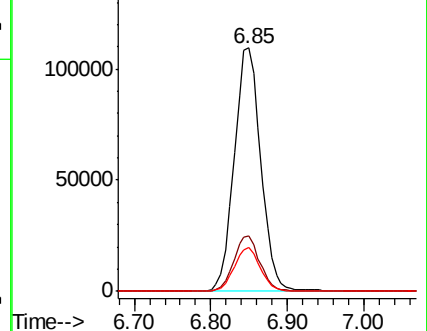
88 18.1 0.0 29.6



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: 48.421 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012113.D

Acq: 05 Sep 2019 20:54

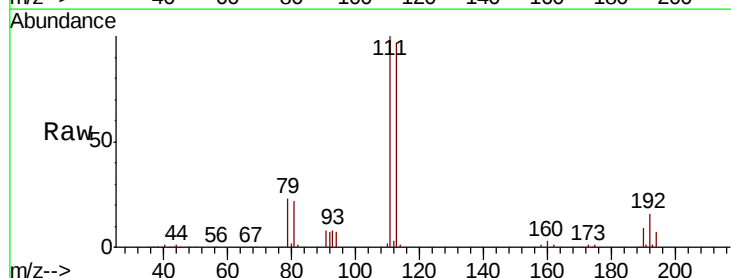
Tgt Ion:113 Resp: 78509

Ion Ratio Lower Upper

113 100

111 103.0 81.7 122.5

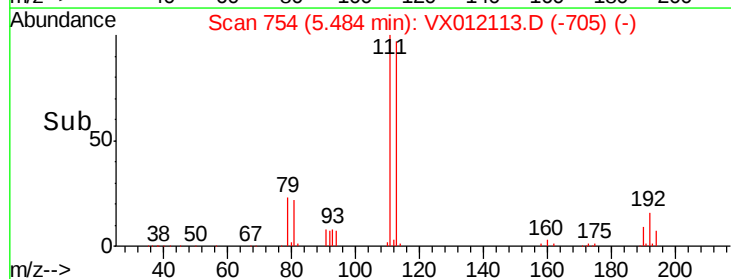
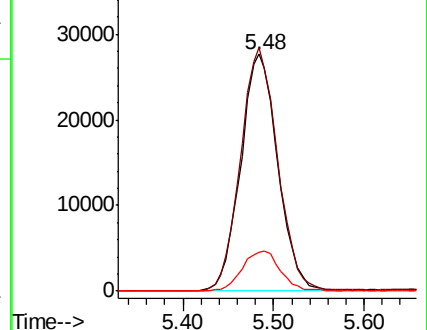
192 17.2 22.5 33.7#

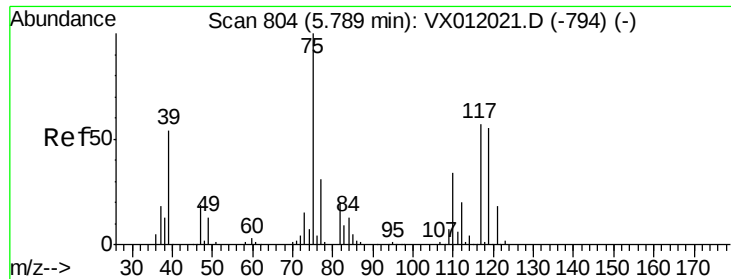


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

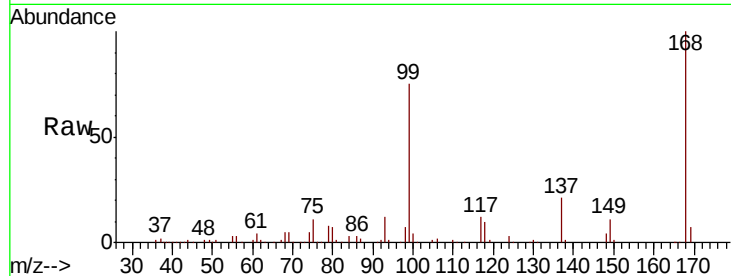




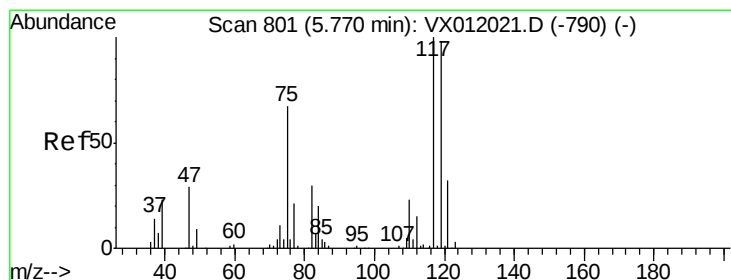
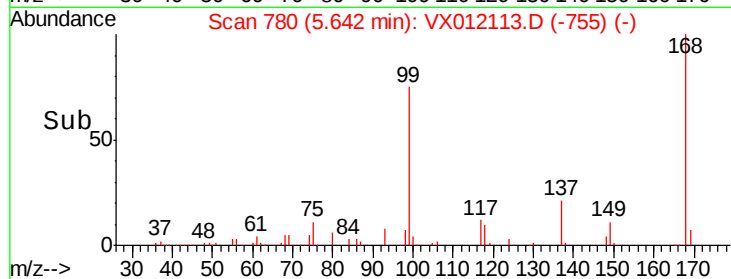
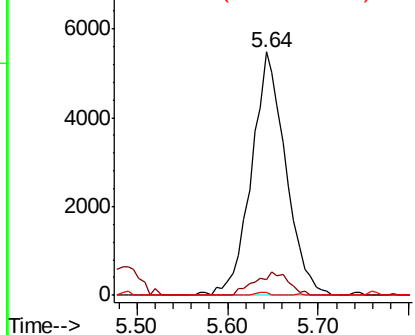
#36
 1,1-Dichloropropene
 Concen: 6.150 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012113.D
 Acq: 05 Sep 2019 20:54

Instrument :
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Tgt Ion: 75 Resp: 14280
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.5 58.5#
 77 0.5 24.6 37.0#

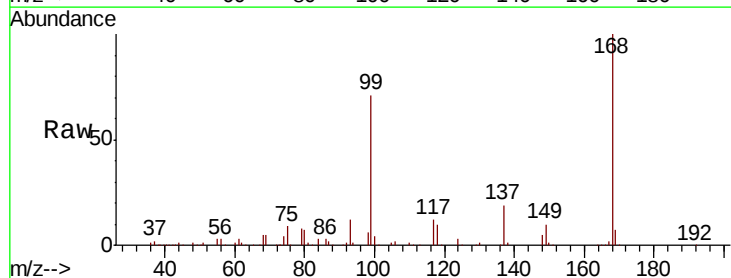


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

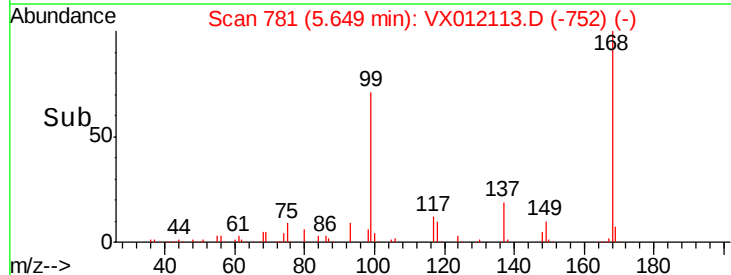
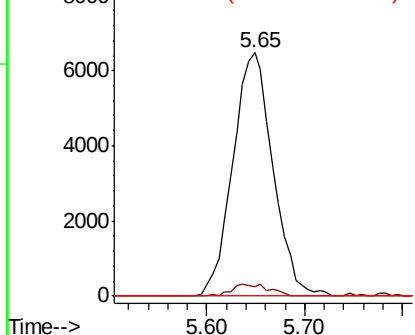


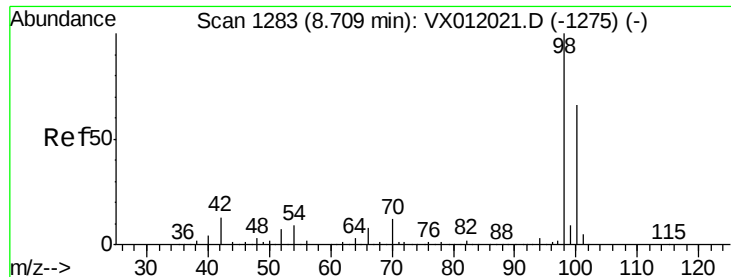
#38
 Carbon Tetrachloride
 Concen: 7.533 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012113.D
 Acq: 05 Sep 2019 20:54

Tgt Ion: 117 Resp: 18432
 Ion Ratio Lower Upper
 117 100
 119 4.0 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

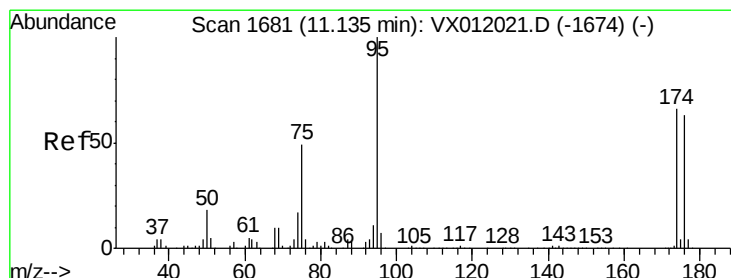
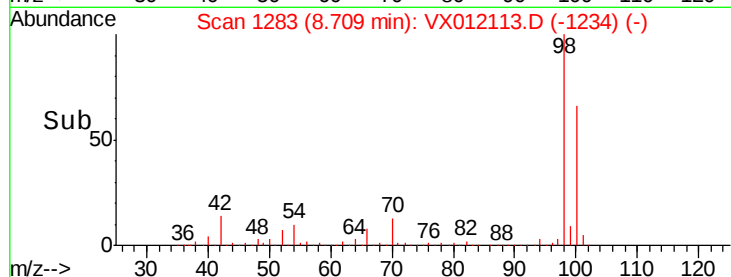
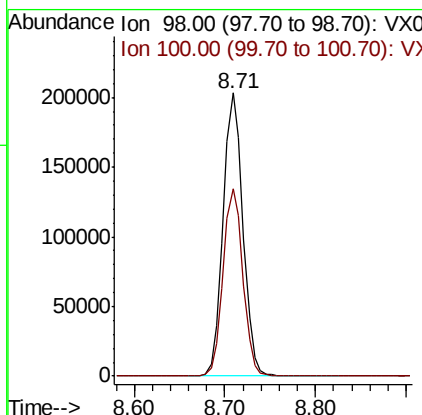
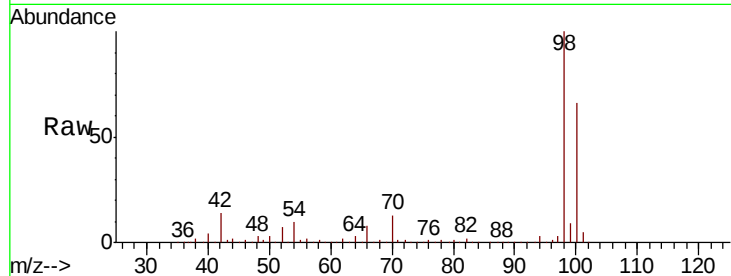




#50
Toluene-d8
Concen: 52.085 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

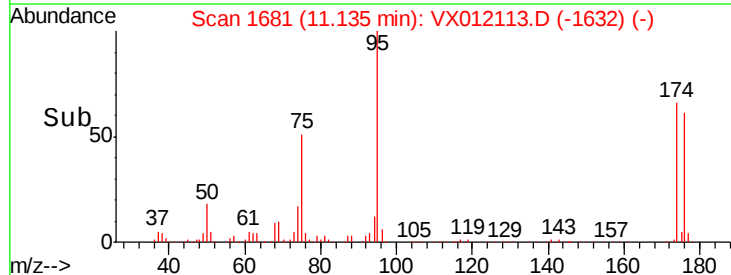
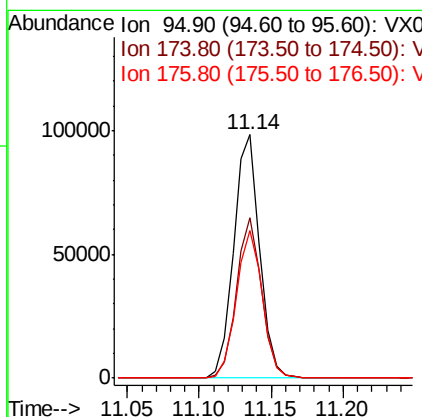
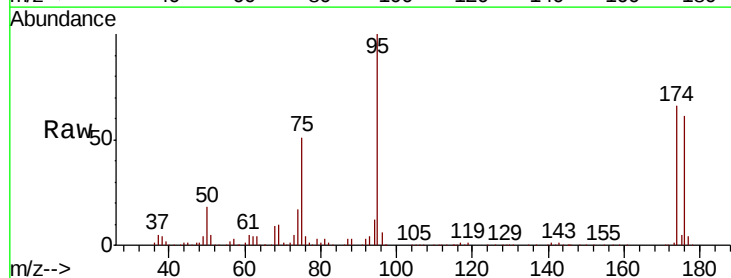
Instrument :
MSVOA_X
ClientSampleId :
T8-S-G3-(2.5)

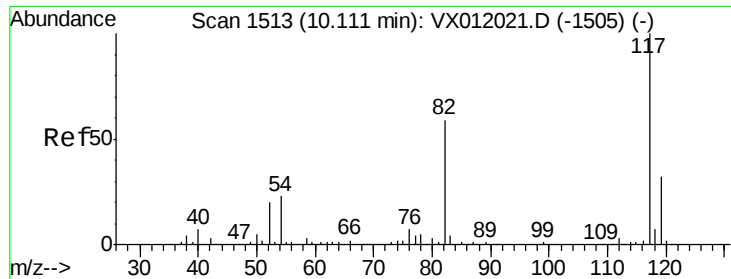
Tgt Ion: 98 Resp: 309892
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.836 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

Tgt Ion: 95 Resp: 124060
Ion Ratio Lower Upper
95 100
174 63.8 0.0 205.4
176 60.7 0.0 201.8

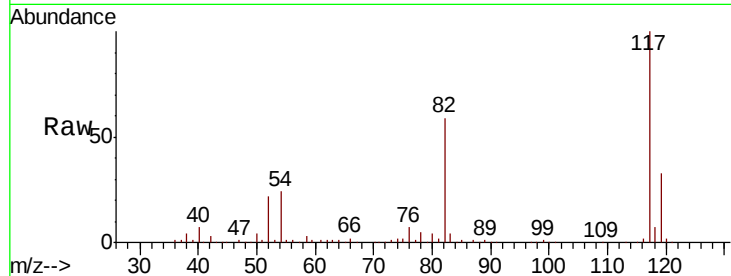




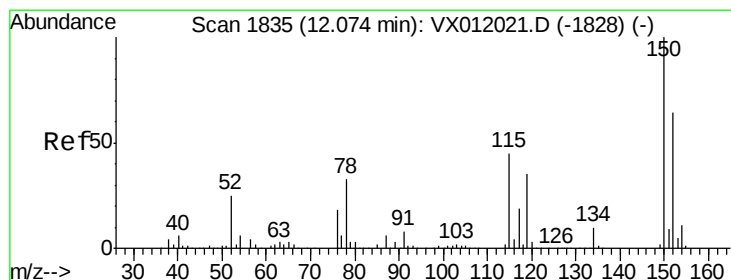
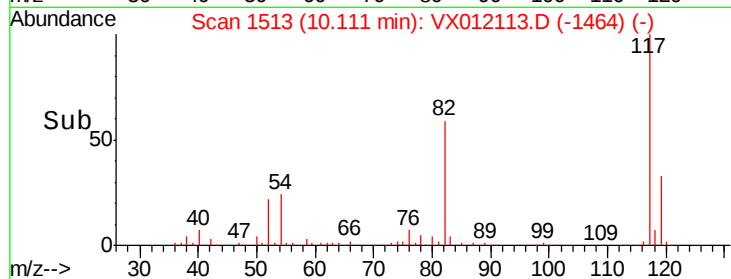
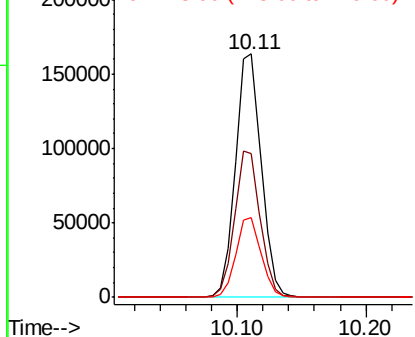
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
T8-S-G3-(2.5)

Tgt Ion:117 Resp: 228482
Ion Ratio Lower Upper
117 100
82 59.3 39.4 59.0#
119 32.6 26.1 39.1

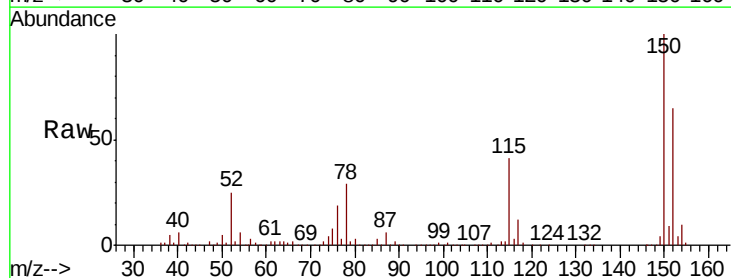


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

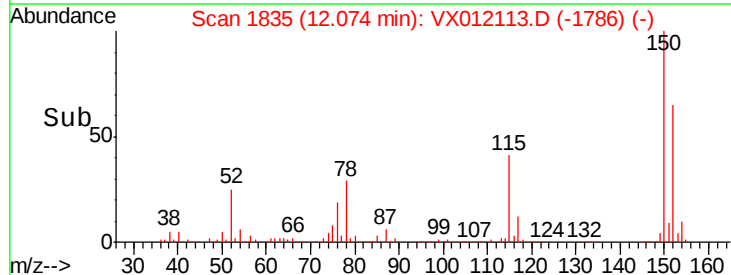
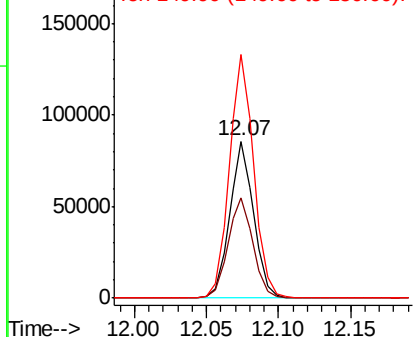


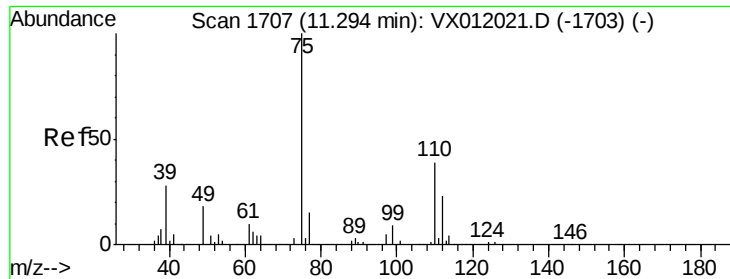
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012113.D
Acq: 05 Sep 2019 20:54

Tgt Ion:152 Resp: 99843
Ion Ratio Lower Upper
152 100
115 66.2 36.4 109.3
150 158.3 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: 53.144 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012113.D

Acq: 05 Sep 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

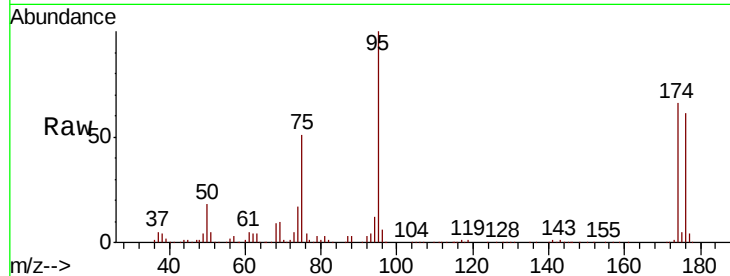
T8-S-G3-(2.5)

Tgt Ion: 75 Resp: 64832

Ion Ratio Lower Upper

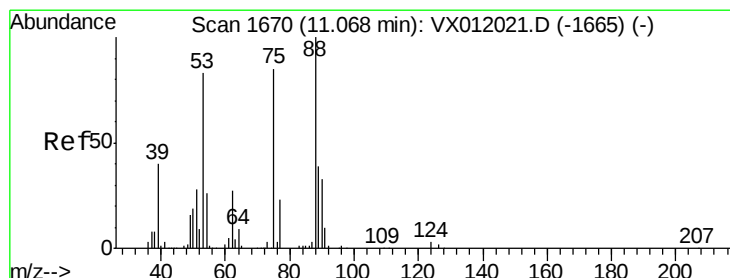
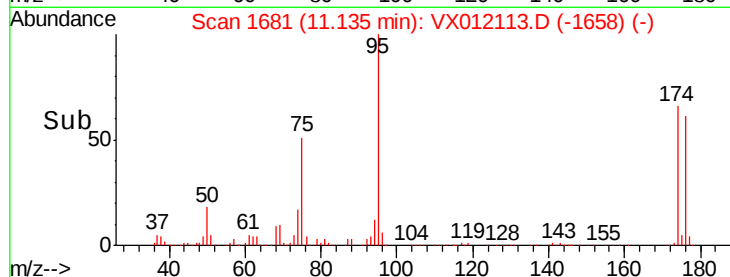
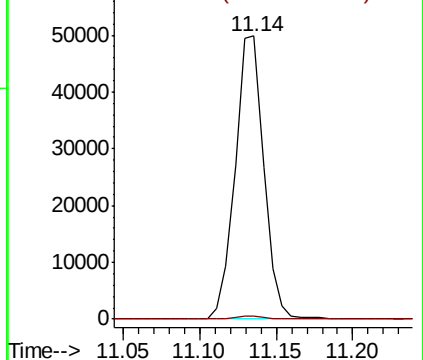
75 100

77 1.2 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 125.641 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012113.D

Acq: 05 Sep 2019 20:54

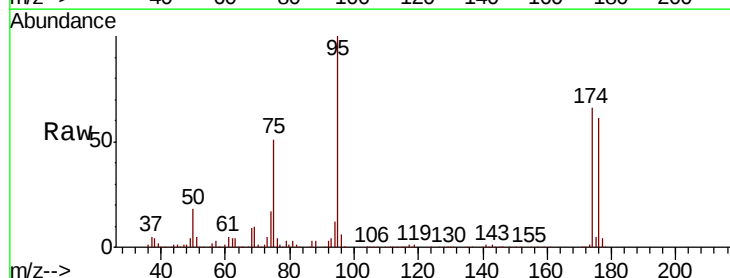
Tgt Ion: 75 Resp: 64832

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

