

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012139.D
 Acq On : 06 Sep 2019 10:19
 Operator : SY/SP
 Sample : K4580-15
 Misc : 3.47g/5.0mL/MSVOA X/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 11:32:24 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

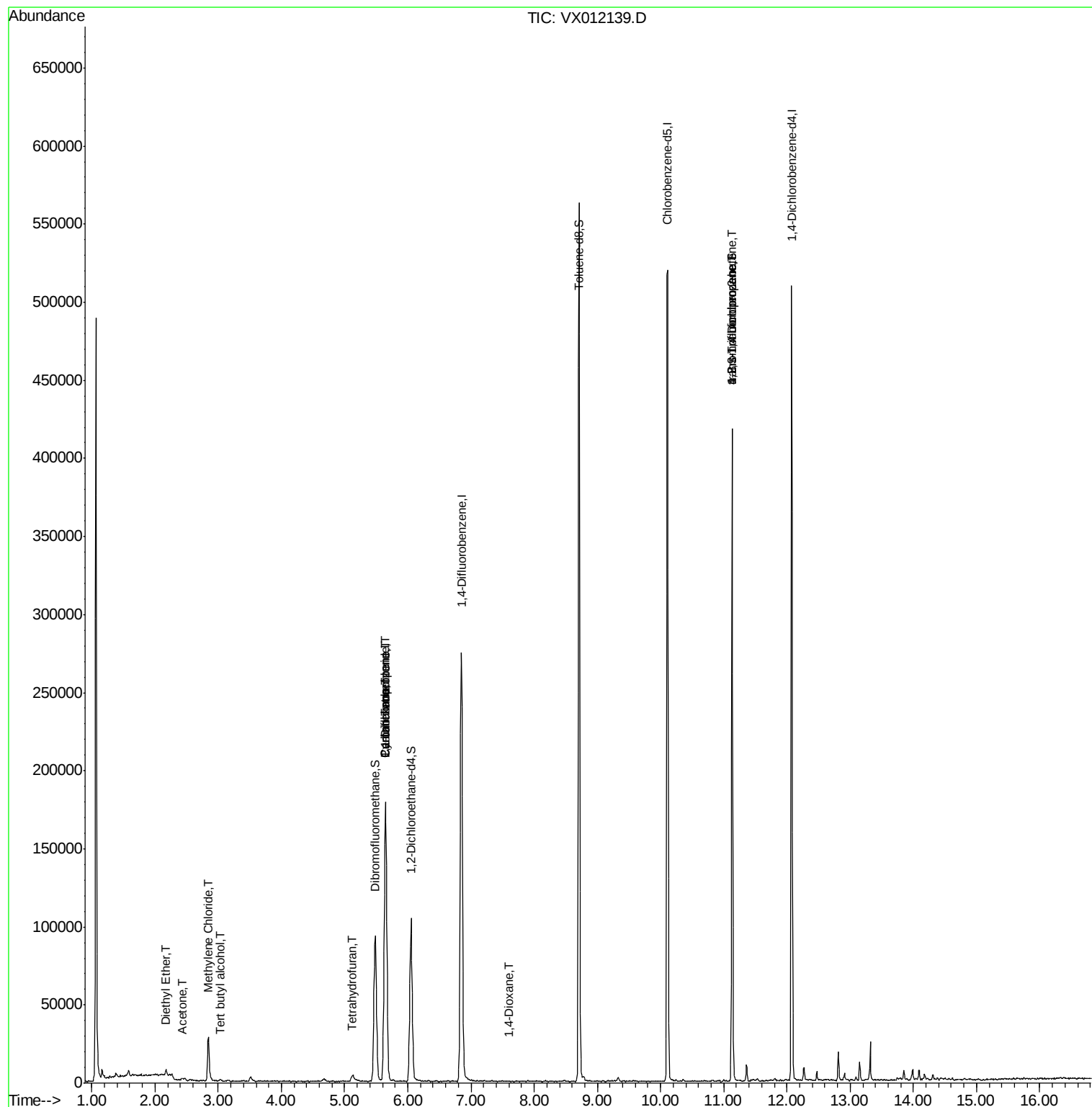
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	150651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	264633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90447	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	104934	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
35) Dibromofluoromethane	5.48	113	78474	48.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	312978	52.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.13	95	117968	42.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.96%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	1108	1.542	ug/l	90
11) Tert butyl alcohol	3.03	59	1001	5.014	ug/l #	71
13) Acrolein	2.27	56	45	Below Cal	#	12
16) Acetone	2.43	43	2097	4.221	ug/l	97
20) Methylene Chloride	2.84	84	13000	6.516	ug/l	95
29) Tetrahydrofuran	5.12	42	4278	11.227	ug/l	93
31) Cyclohexane	5.64	56	4160	1.632	ug/l #	13
36) 1,1-Dichloropropene	5.64	75	13750	5.899	ug/l #	45
38) Carbon Tetrachloride	5.65	117	17722	7.216	ug/l #	15
49) 1,4-Dioxane	7.60	88	25	1.415	ug/l #	73
76) 1,2,3-Trichloropropane	11.13	75	62961	56.972	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	62961	134.690	ug/l #	10

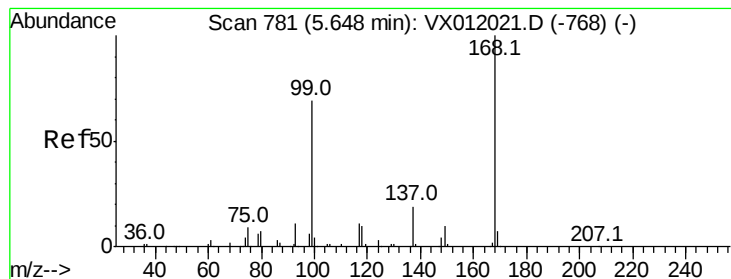
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090519\
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Acq On : 06 Sep 2019 10:19
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
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: VX012139.D

Acq: 06 Sep 2019 10:19

Instrument :

MSVOA_X

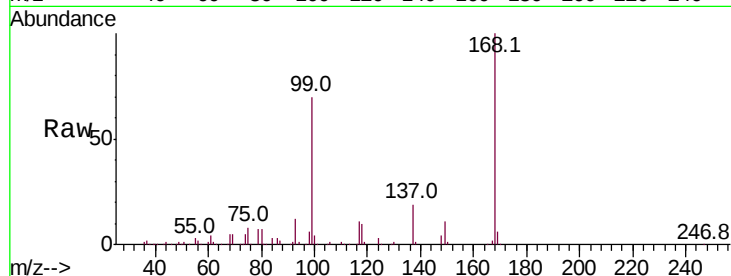
ClientSampleId :

Tot Ion:168 Resp: 150651

Ion Ratio Lower Upper

168 100

99 70.2 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

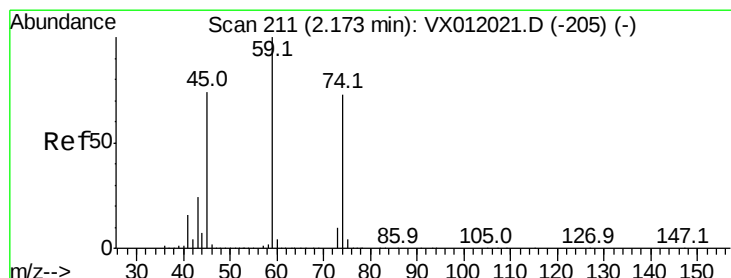
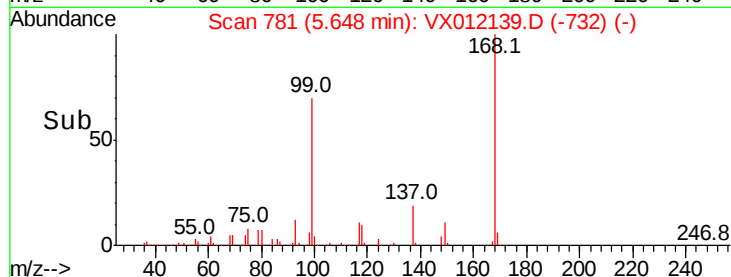
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.542 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012139.D

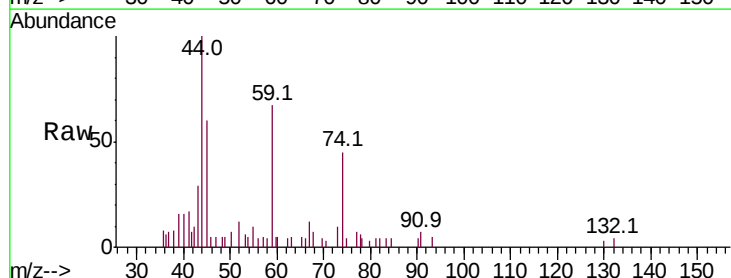
Acq: 06 Sep 2019 10:19

Tgt Ion: 74 Resp: 1108

Ion Ratio Lower Upper

74 100

45 81.9 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

1000

800

600

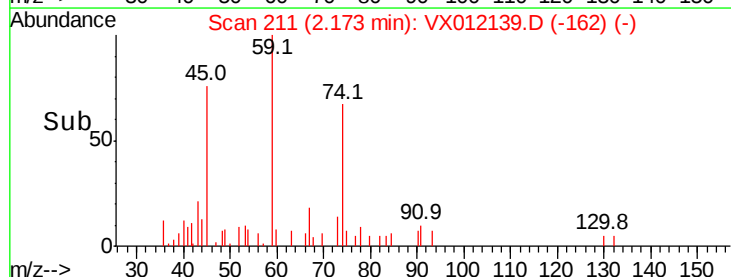
400

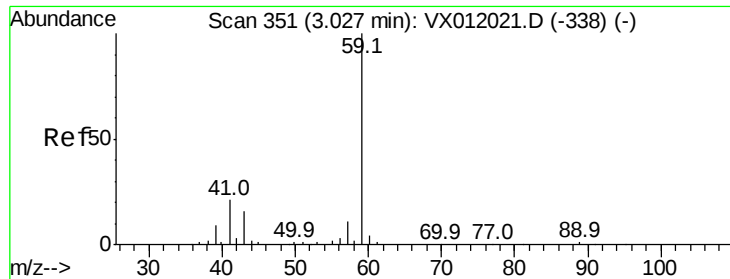
200

0

Time-->

2.10 2.15 2.20 2.25

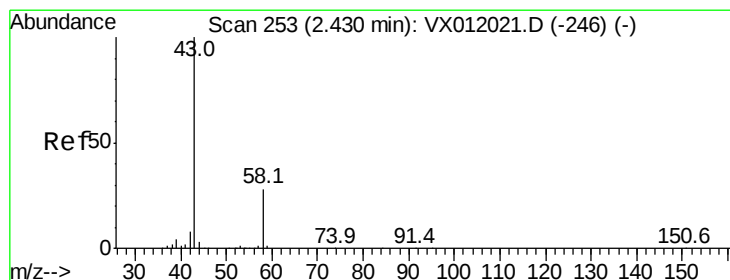
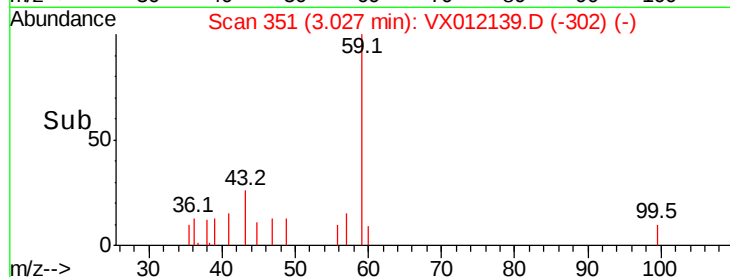
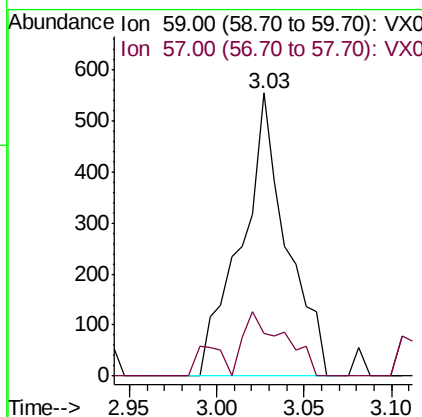
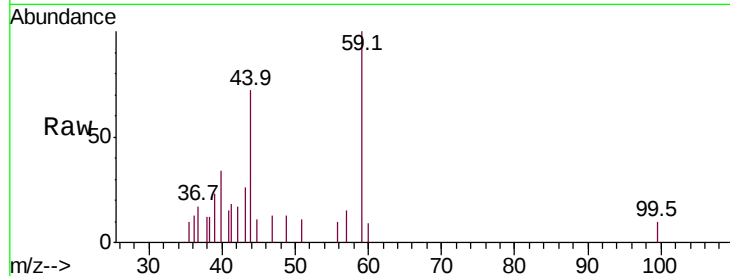




#11
Tert butyl alcohol
Concen: 5.014 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012139.D
Acq: 06 Sep 2019 10:19

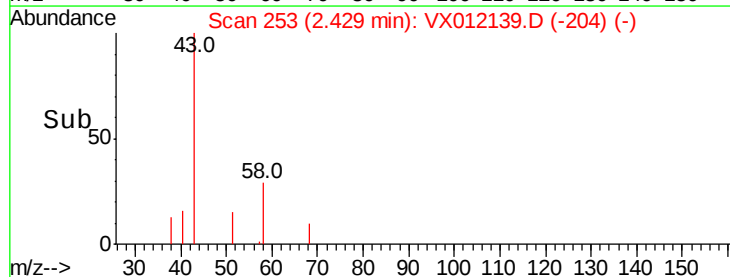
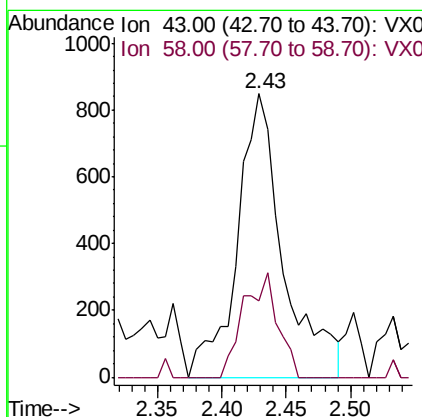
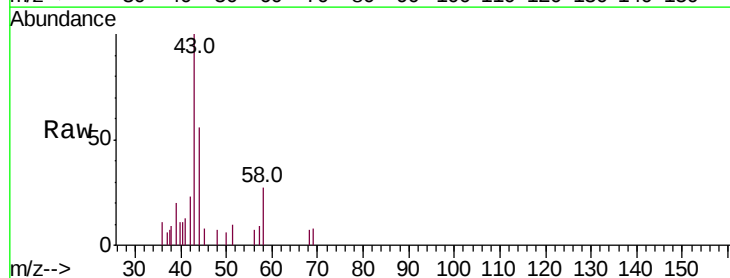
Instrument :
MSVOA_X
ClientSampled :

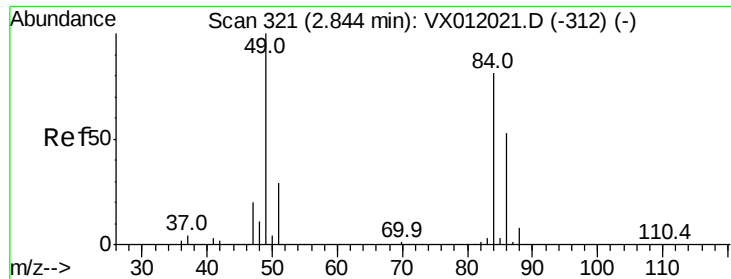
Tot Ion: 59 Resp: 1001
Ion Ratio Lower Upper
59 100
57 20.5 7.9 11.9#



#16
Acetone
Concen: 4.221 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012139.D
Acq: 06 Sep 2019 10:19

Tgt Ion: 43 Resp: 2097
Ion Ratio Lower Upper
43 100
58 26.9 22.8 34.2

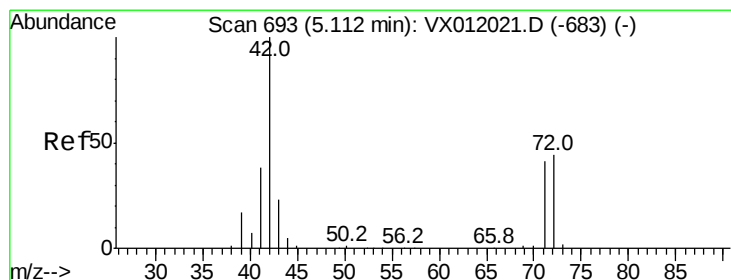
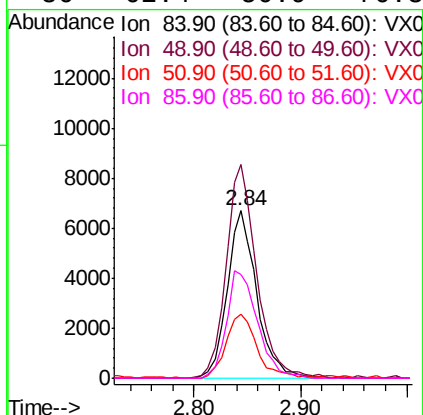
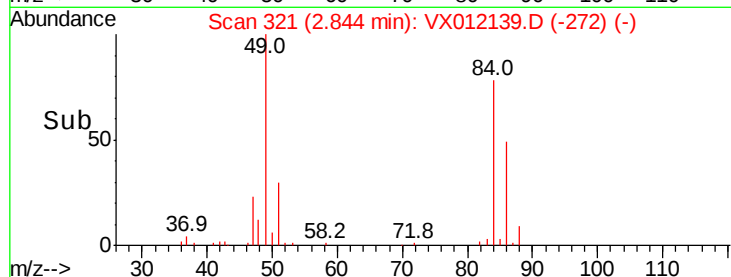
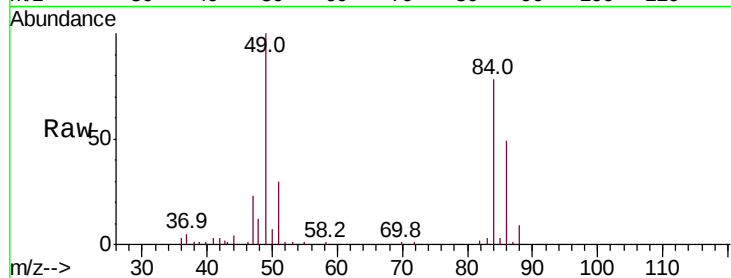




#20
Methvlene Chloride
Concen: 6.516 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012139.D
Acq: 06 Sep 2019 10:19

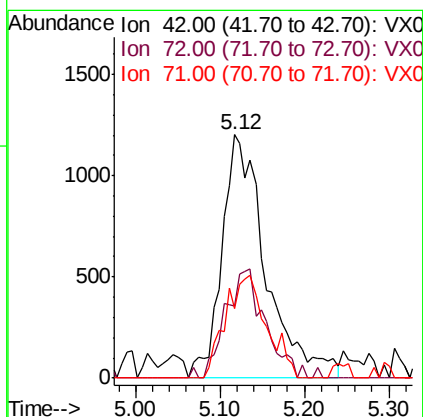
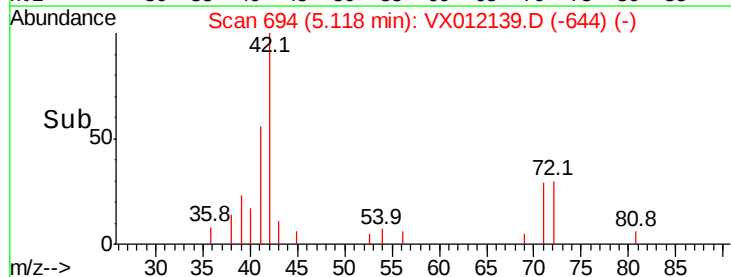
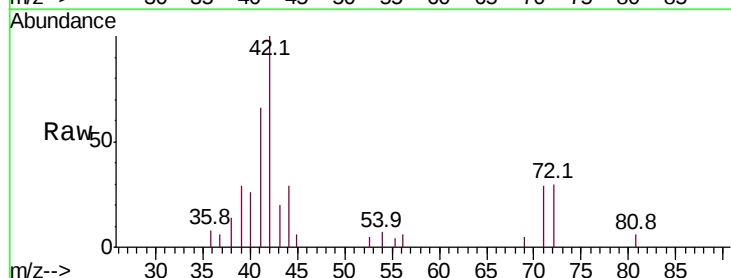
Instrument :
MSVOA_X
ClientSampleId :

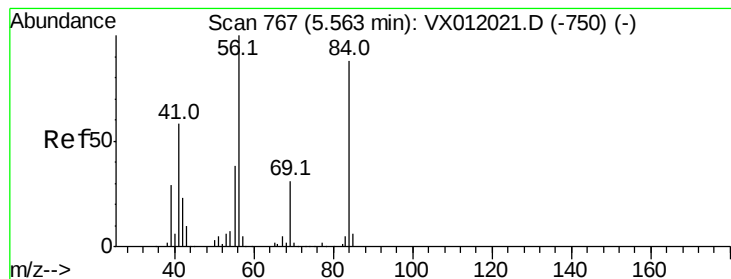
Tot Ion:	84	Resp:	13000
Ion	Ratio	Lower	Upper
84	100		
49	127.8	95.8	143.8
51	37.9	28.6	43.0
86	62.4	50.9	76.3



#29
Tetrahydrofuran
Concen: 11.227 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012139.D
Acq: 06 Sep 2019 10:19

Tgt Ion:	42	Resp:	4278
Ion	Ratio	Lower	Upper
42	100		
72	39.9	37.0	55.4
71	39.4	33.8	50.8





#31

Cyclohexane

Concen: 1.632 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012139.D

Acq: 06 Sep 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

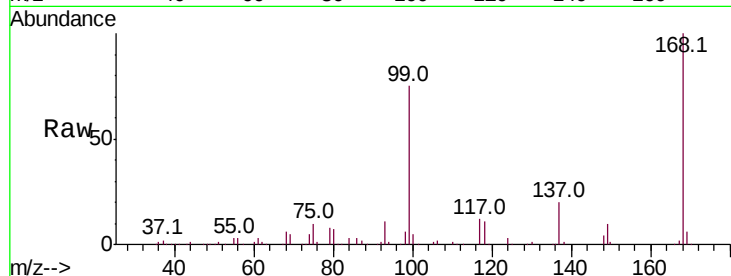
Tot Ion: 56 Resp: 4160

Ion Ratio Lower Upper

56 100

69 158.9 25.7 38.5#

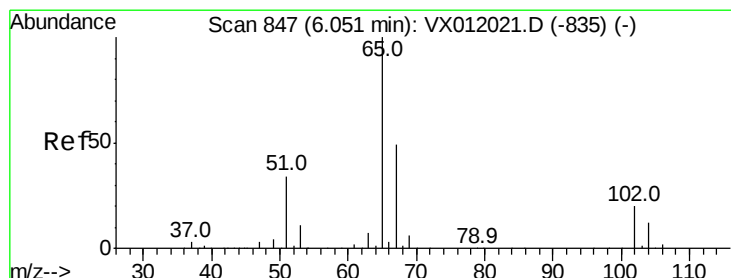
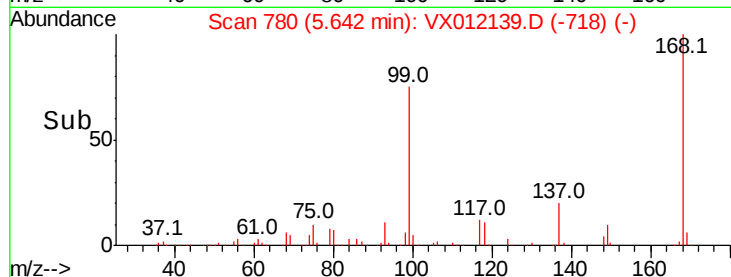
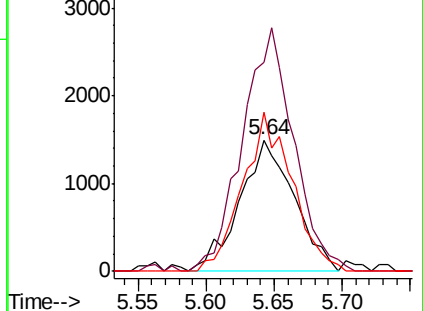
84 120.8 70.3 105.5#



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: 50.481 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012139.D

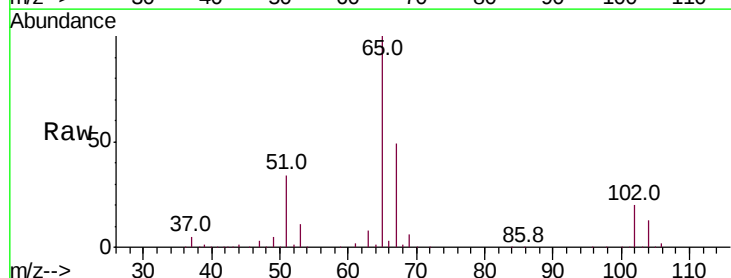
Acq: 06 Sep 2019 10:19

Tgt Ion: 65 Resp: 104934

Ion Ratio Lower Upper

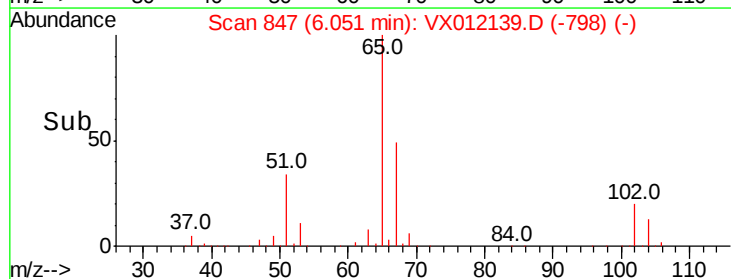
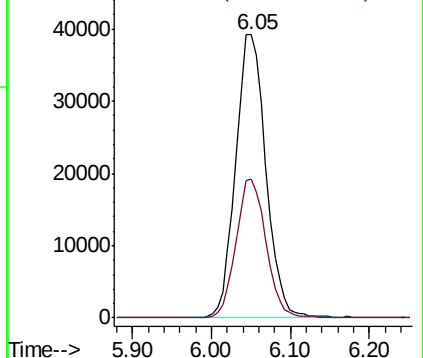
65 100

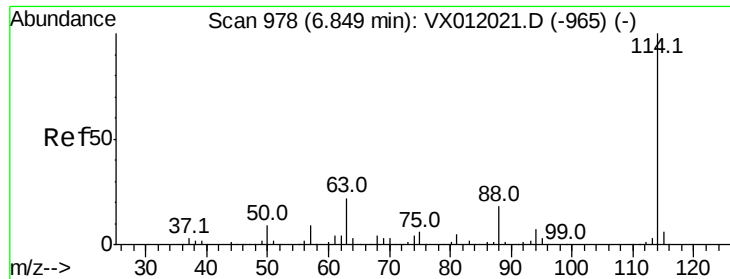
67 48.8 0.0 102.0



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: VX012139.D

Acq: 06 Sep 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

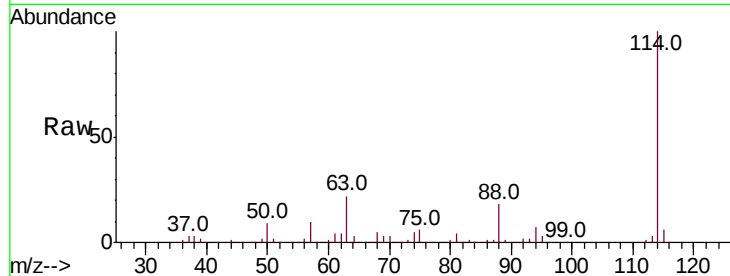
Tot Ion:114 Resp: 264633

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.4

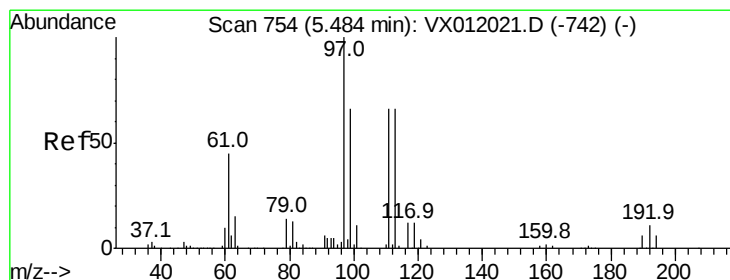
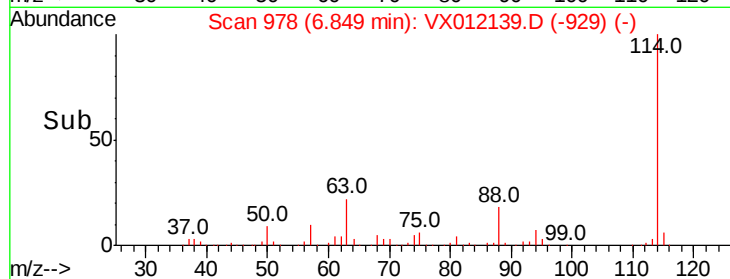
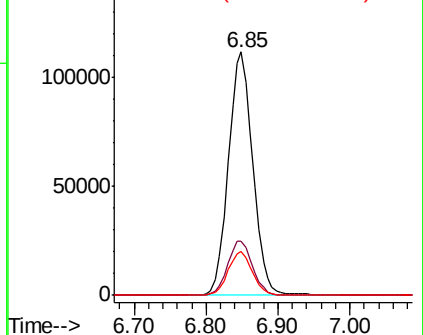
88 17.8 0.0 29.6



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: 48.220 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012139.D

Acq: 06 Sep 2019 10:19

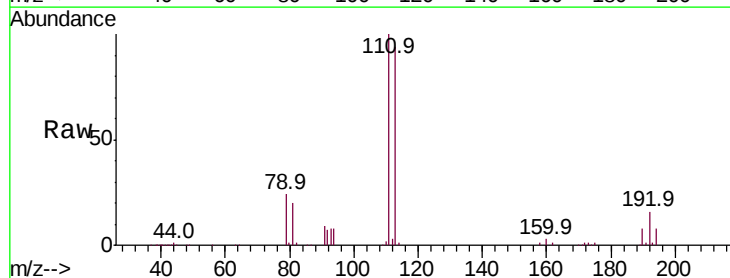
Tgt Ion:113 Resp: 78474

Ion Ratio Lower Upper

113 100

111 104.5 81.7 122.5

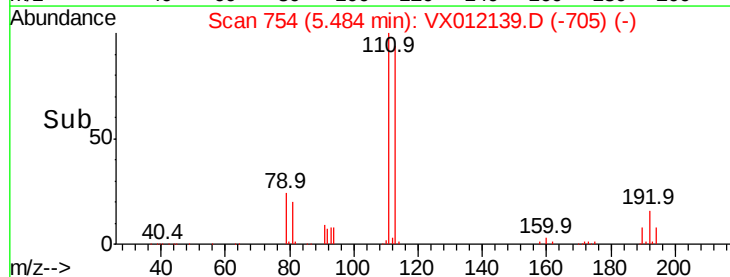
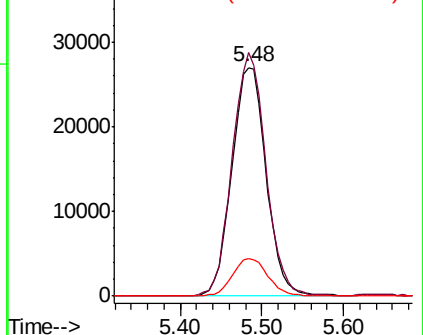
192 16.9 22.5 33.7#

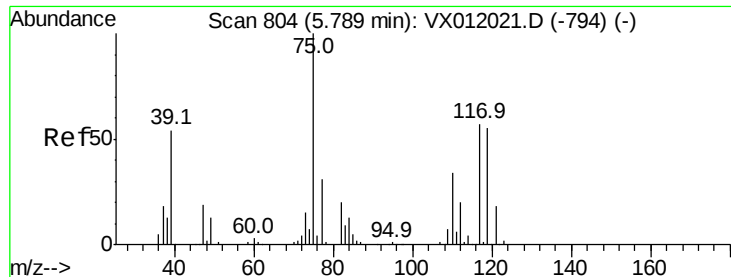


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.899 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012139.D

Acq: 06 Sep 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

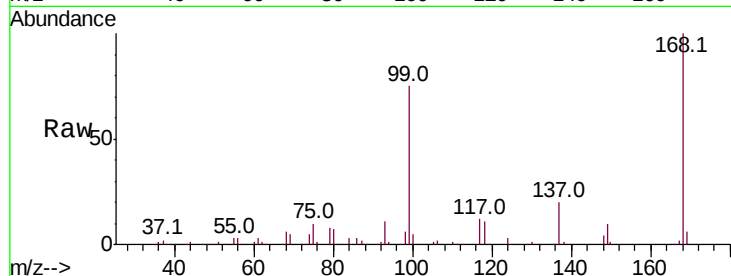
Tot Ion: 75 Resp: 13750

Ion Ratio Lower Upper

75 100

110 6.3 19.5 58.5#

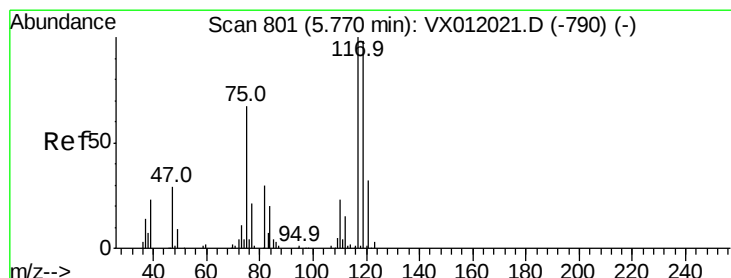
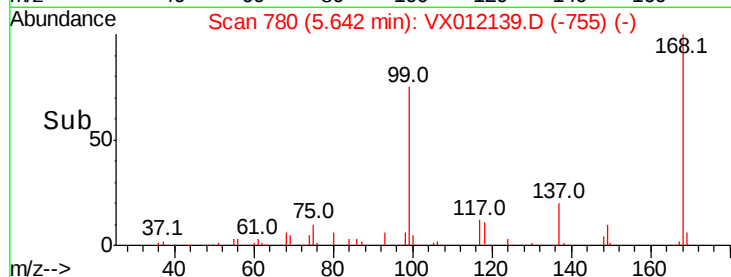
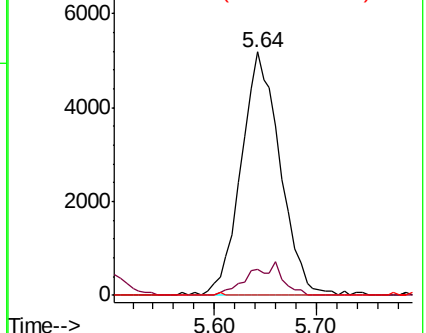
77 0.0 24.6 37.0#



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: 7.216 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012139.D

Acq: 06 Sep 2019 10:19

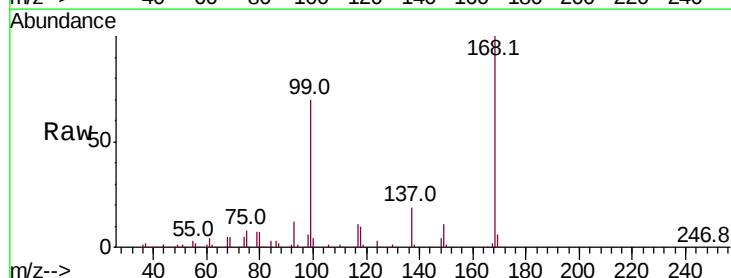
Tgt Ion: 117 Resp: 17722

Ion Ratio Lower Upper

117 100

119 5.0 78.3 117.5#

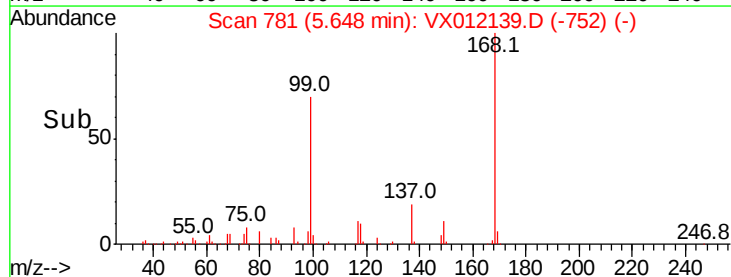
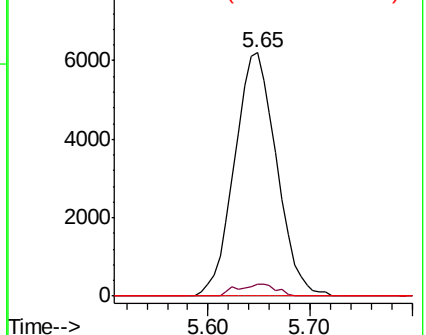
121 0.0 24.2 36.2#

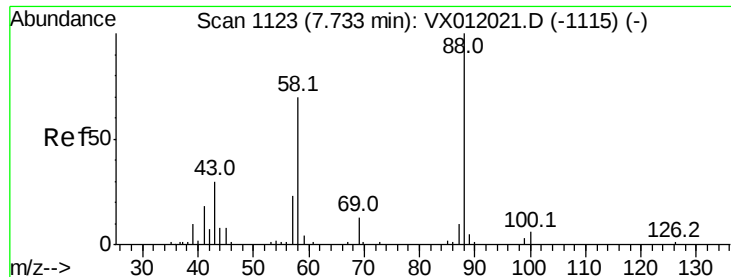


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

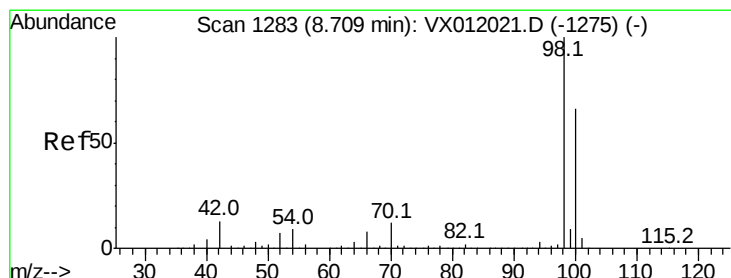
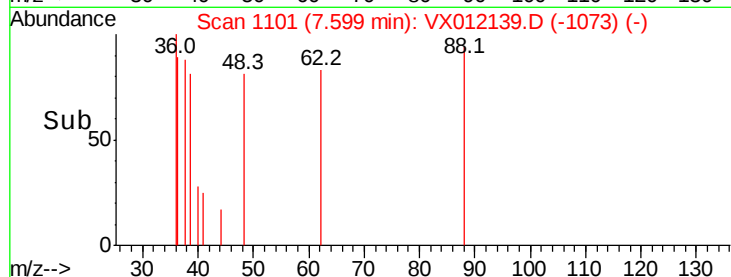
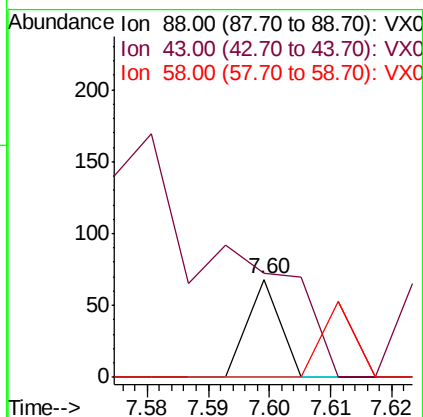
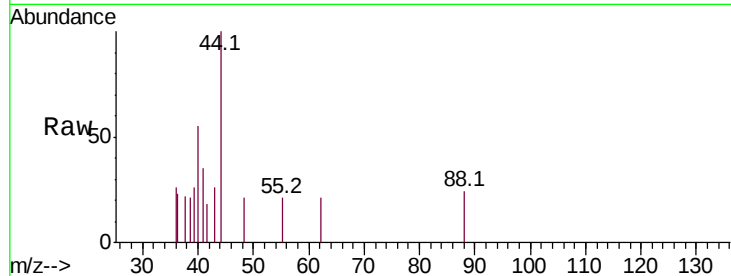




#49
1,4-Dioxane
Concen: 1.415 ug/l
RT: 7.60 min Scan# 1101
Delta R.T. -0.13 min
Lab File: VX012139.D
Acq: 06 Sep 2019 10:19

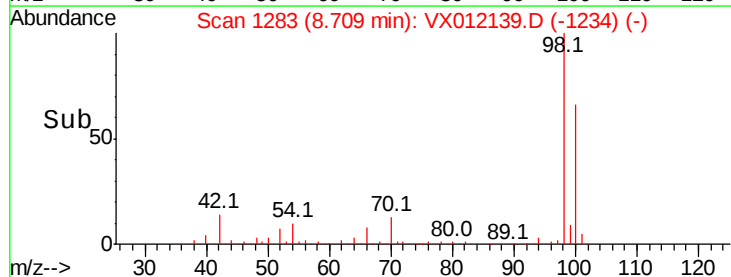
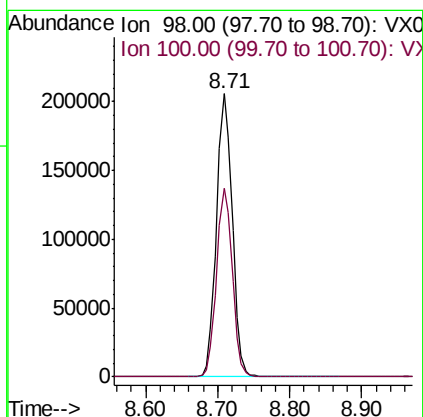
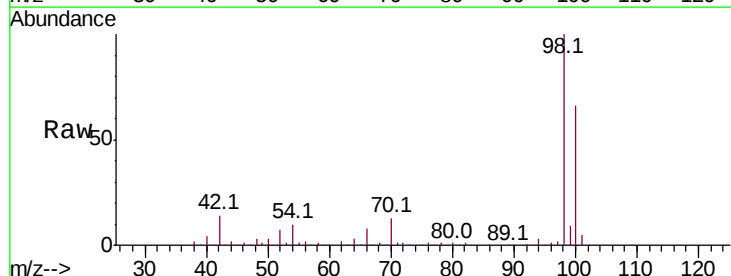
Instrument :
MSVOA_X
ClientSampleId :

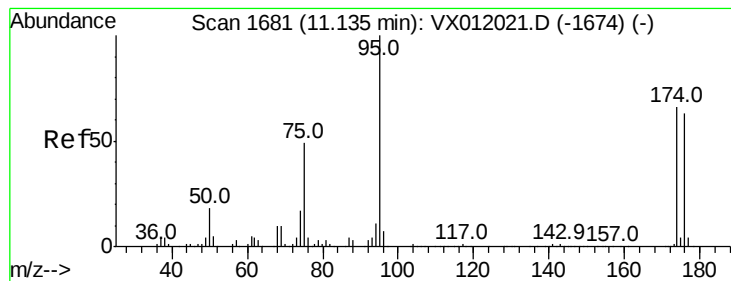
Tot Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 76.0 55.4 83.2



#50
Toluene-d8
Concen: 52.409 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012139.D
Acq: 06 Sep 2019 10:19

Tgt Ion: 98 Resp: 312978
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 42.476 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012139.D

Acq: 06 Sep 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

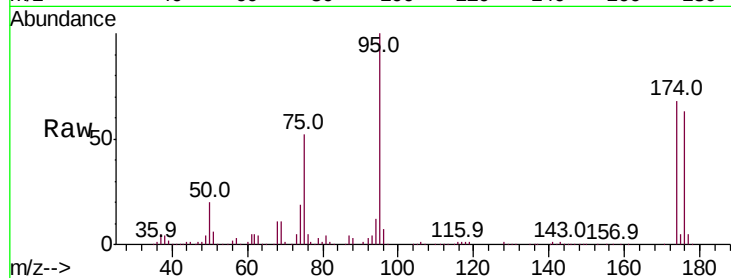
Tot Ion: 95 Resp: 117968

Ion Ratio Lower Upper

95 100

174 64.6 0.0 205.4

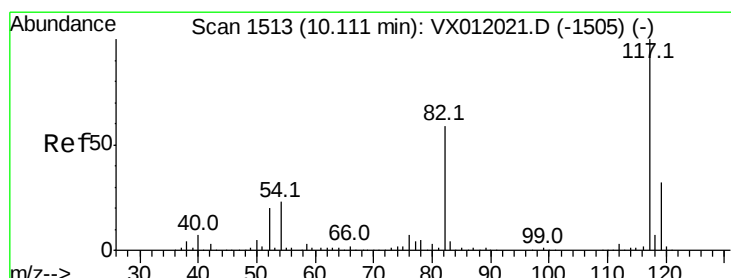
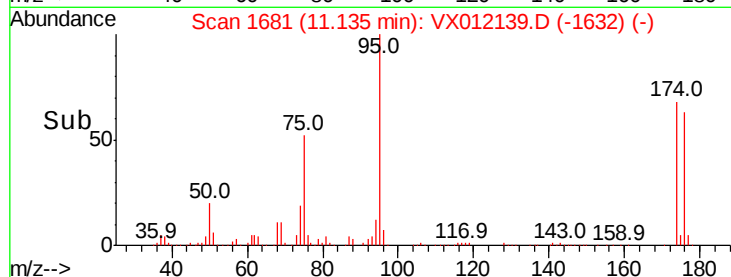
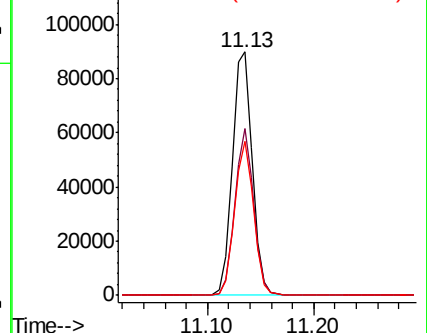
176 60.7 0.0 201.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012139.D

Acq: 06 Sep 2019 10:19

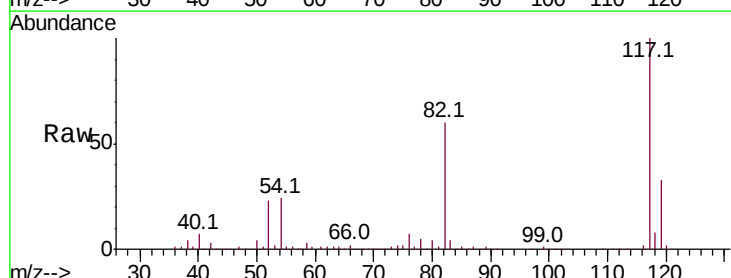
Tgt Ion: 117 Resp: 225414

Ion Ratio Lower Upper

117 100

82 60.3 39.4 59.0#

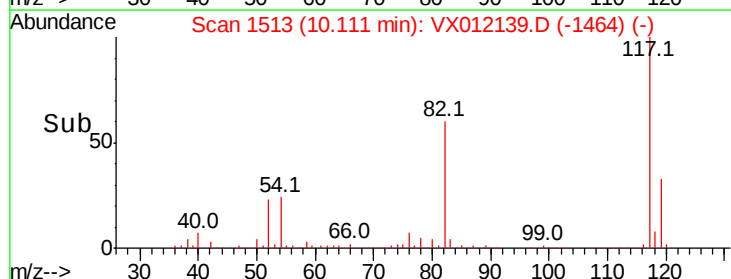
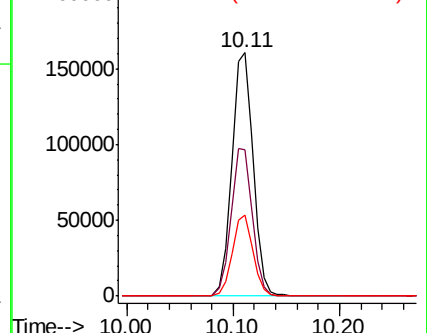
119 33.2 26.1 39.1

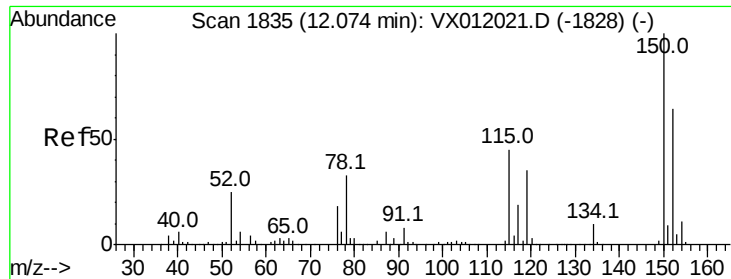


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012139.D

Acq: 06 Sep 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

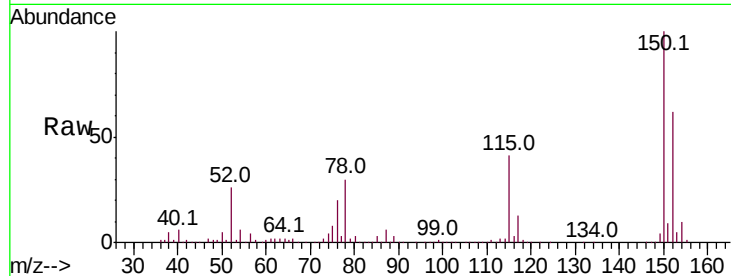
Tot Ion:152 Resp: 90447

Ion Ratio Lower Upper

152 100

115 67.0 36.4 109.3

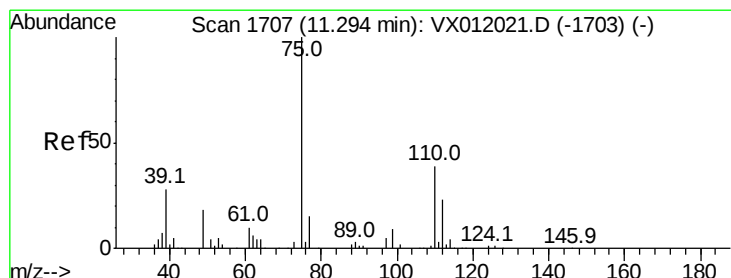
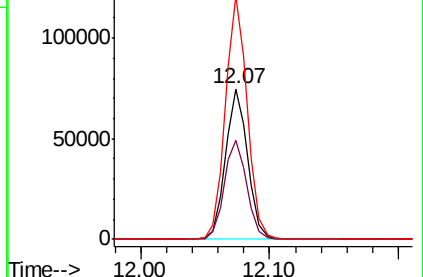
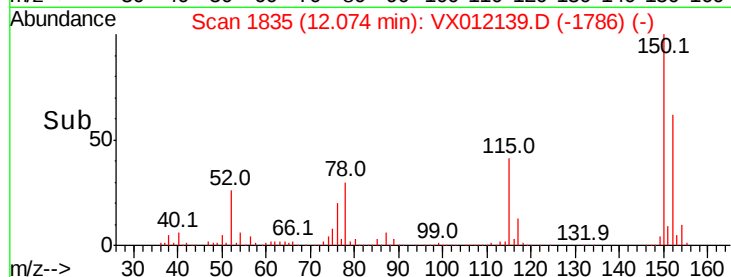
150 159.2 0.0 341.2



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: 56.972 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.17 min

Lab File: VX012139.D

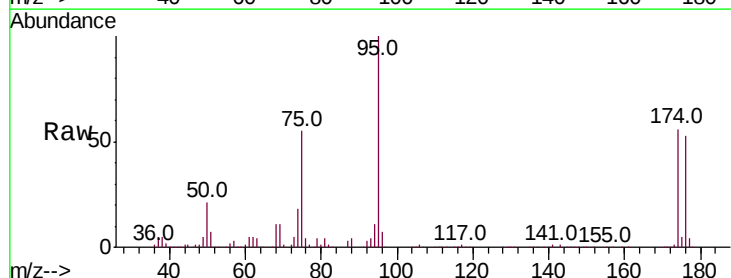
Acq: 06 Sep 2019 10:19

Tgt Ion: 75 Resp: 62961

Ion Ratio Lower Upper

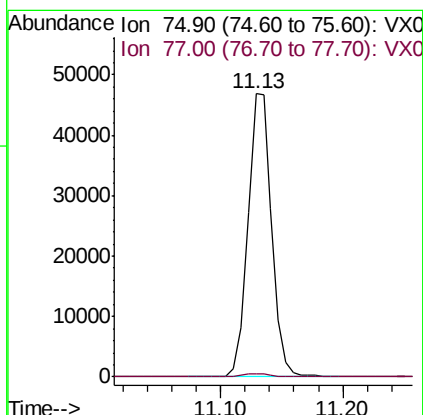
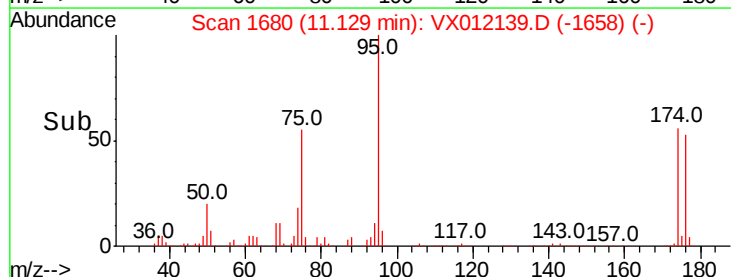
75 100

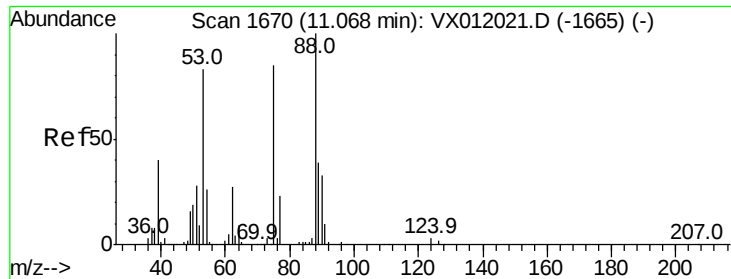
77 1.2 23.5 70.5#



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: 134.690 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012139.D

Acq: 06 Sep 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 62961

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#

