

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012391.D
 Acq On : 13 Sep 2019 17:18
 Operator : SY/SP
 Sample : K4695-12
 Misc : 5.03g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-3-(2.5)

Quant Time: Sep 14 00:05:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	152189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	256628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96936	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	94222	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	
35) Dibromofluoromethane	5.49	113	73202	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	
50) Toluene-d8	8.71	98	303748	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	11.14	95	112123	41.92	ug/l	0.00
Spiked Amount			Recovery	=	83.84%	

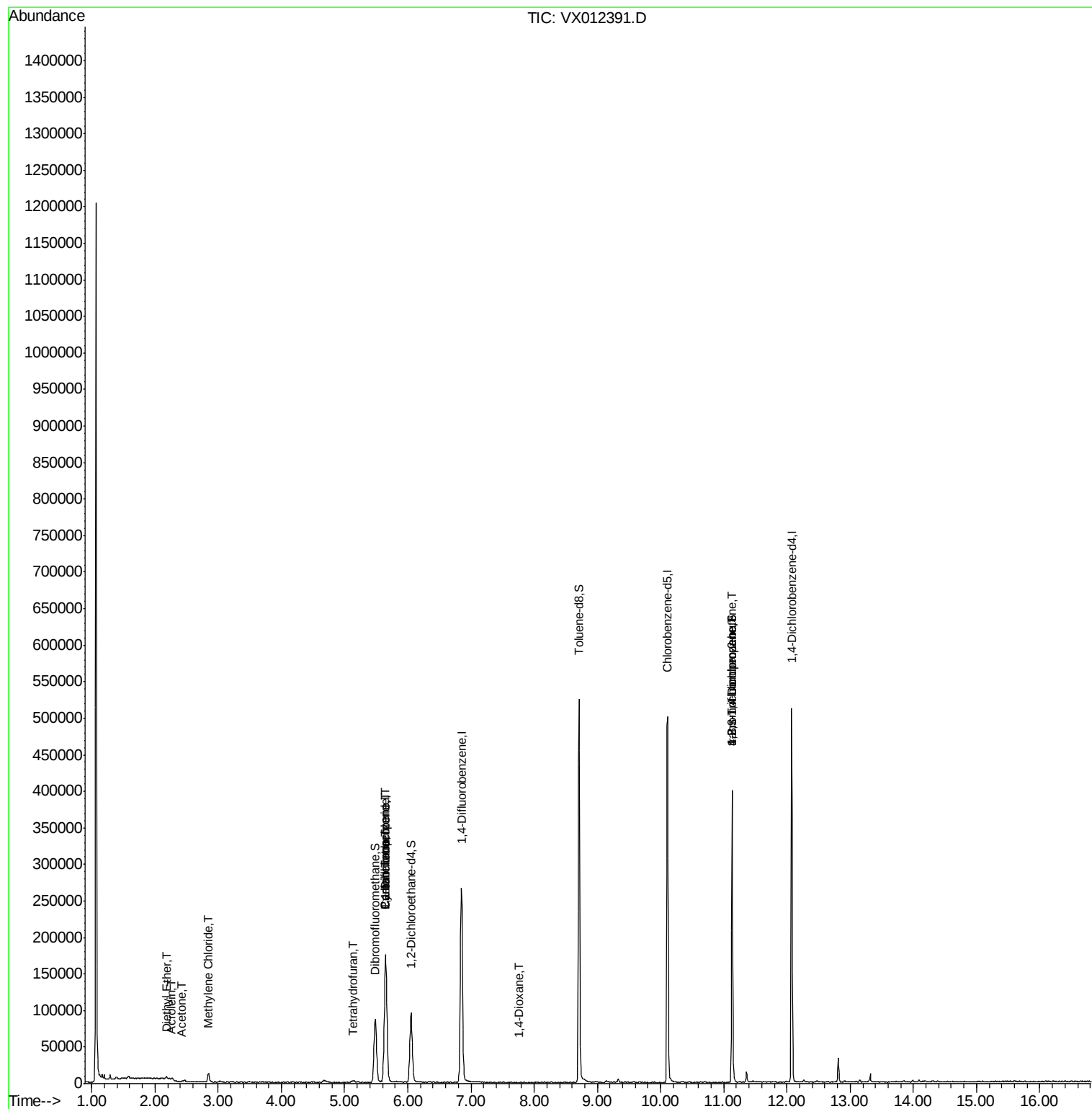
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	151	Below Cal	#	80
8) Diethyl Ether	2.17	74	940	1.369	ug/l	75
11) Tert butyl alcohol	3.03	59	1332	Below Cal	#	62
13) Acrolein	2.27	56	217	1.929	ug/l #	52
16) Acetone	2.43	43	1131	2.220	ug/l #	49
20) Methylene Chloride	2.84	84	5749	1.037	ug/l	90
29) Tetrahydrofuran	5.13	42	2201	6.265	ug/l #	85
31) Cyclohexane	5.64	56	3899	1.952	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13393	7.157	ug/l #	52
38) Carbon Tetrachloride	5.65	117	16760	7.634	ug/l #	13
49) 1,4-Dioxane	7.76	88	22	1.397	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58644	47.093	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	58644	141.101	ug/l #	5

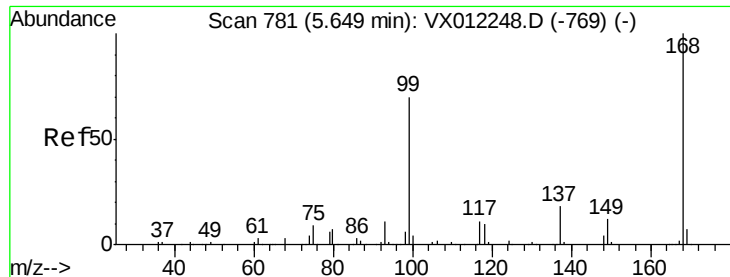
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
Data File : VX012391.D
Acq On : 13 Sep 2019 17:18
Operator : SY/SP
Sample : K4695-12
Misc : 5.03g/5.0mL/MSVOA_X/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T5-3-(2.5)

Quant Time: Sep 14 00:05:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 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: VX012391.D

Acq: 13 Sep 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

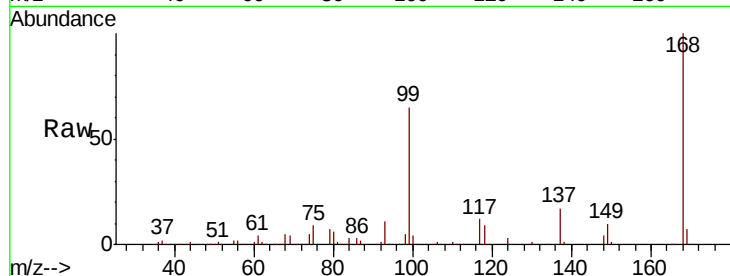
T5-3-(2.5)

Tgt Ion:168 Resp: 152189

Ion Ratio Lower Upper

168 100

99 64.5 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

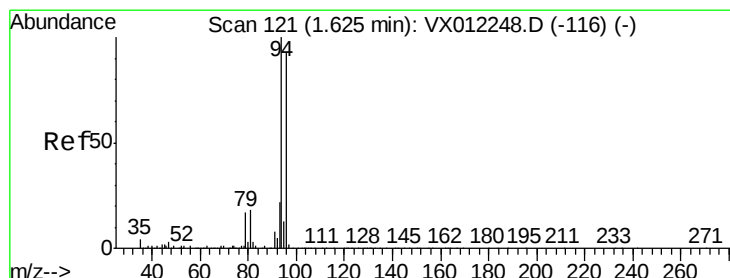
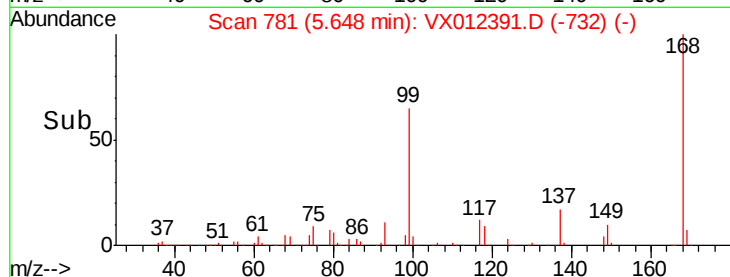
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX012391.D

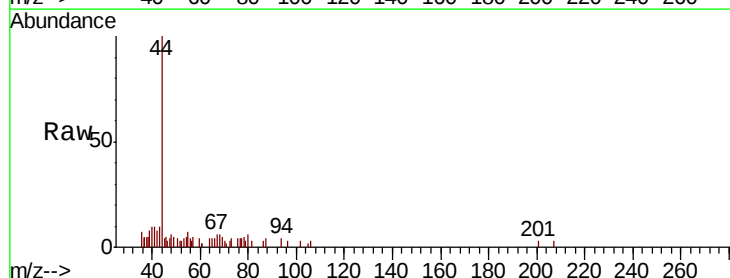
Acq: 13 Sep 2019 17:18

Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

96 73.6 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

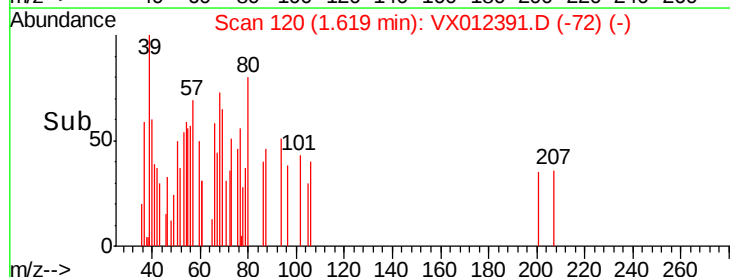
150 Ion 95.90 (95.60 to 96.60): VX0

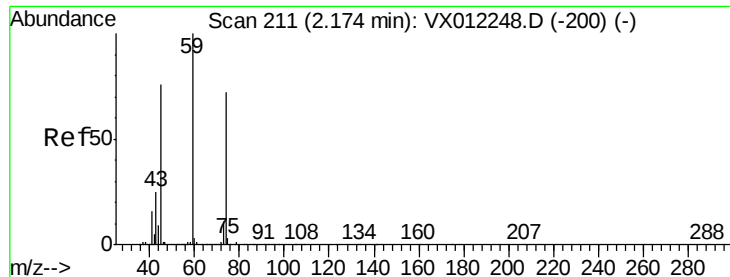
100

50

0

Time--> 1.58 1.60 1.62 1.64





#8

Diethyl Ether

Concen: 1.369 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

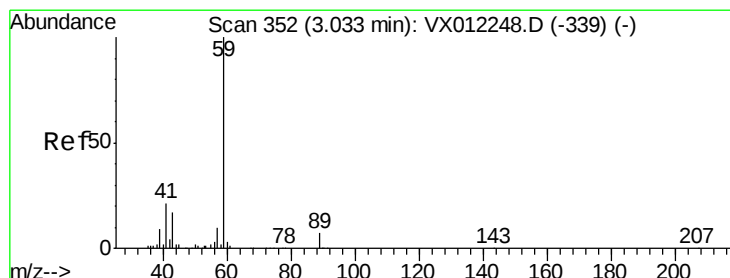
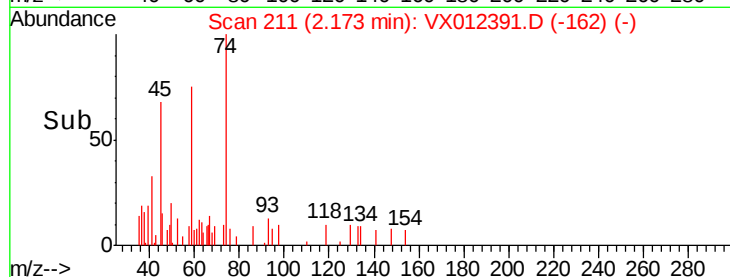
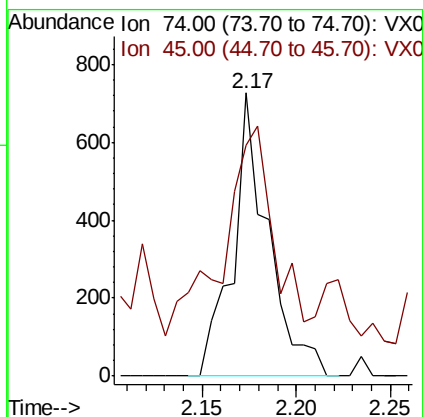
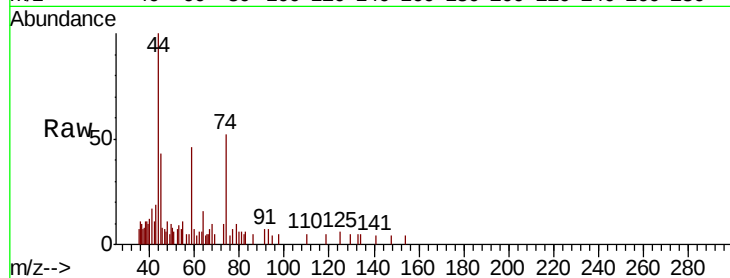
T5-3-(2.5)

Tgt Ion: 74 Resp: 940

Ion Ratio Lower Upper

74 100

45 128.1 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012391.D

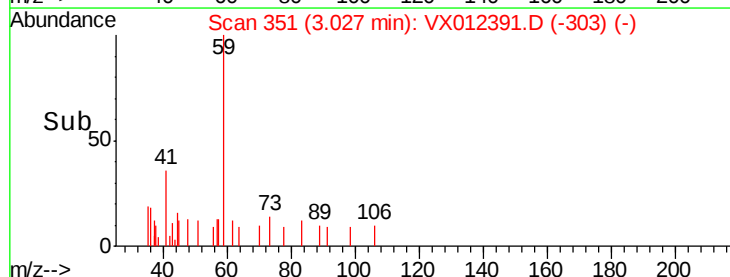
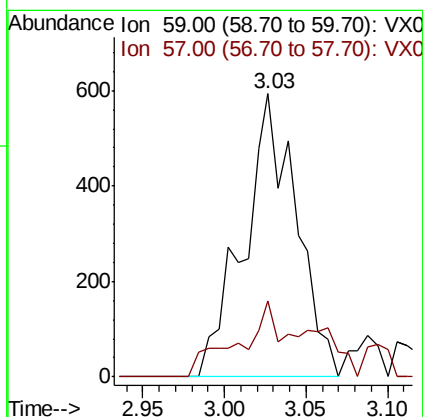
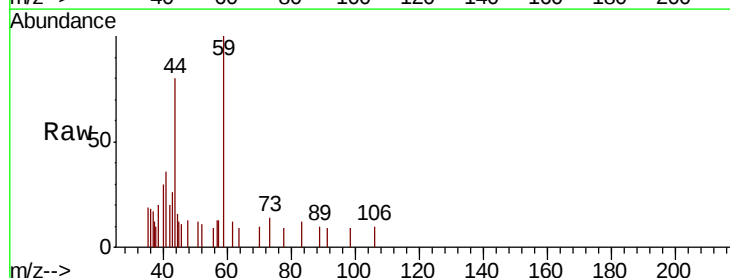
Acq: 13 Sep 2019 17:18

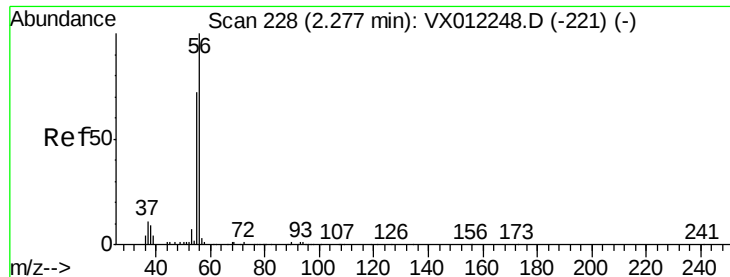
Tgt Ion: 59 Resp: 1332

Ion Ratio Lower Upper

59 100

57 23.6 7.8 11.6#





#13

Acrolein

Concen: 1.929 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

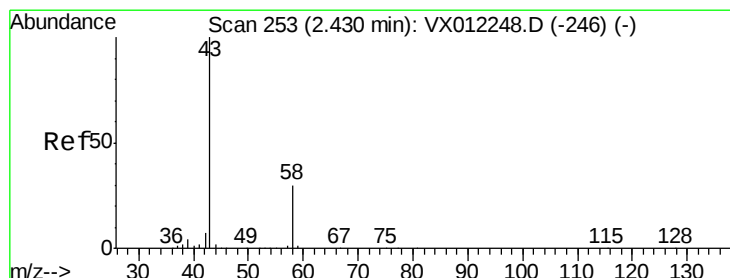
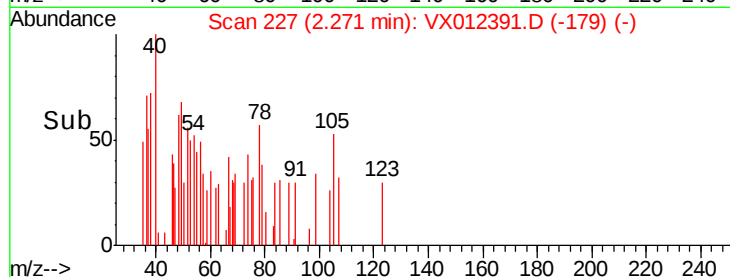
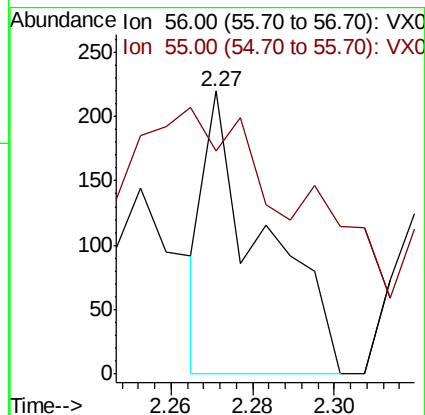
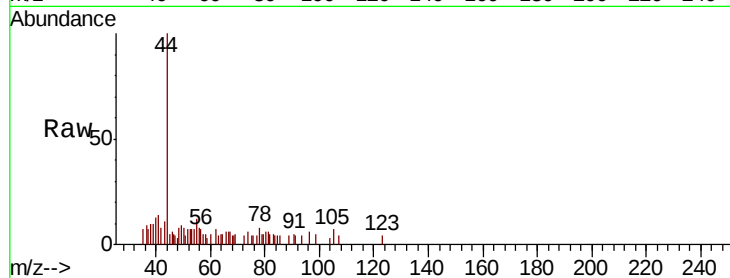
T5-3-(2.5)

Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

55 115.7 59.8 89.6#



#16

Acetone

Concen: 2.220 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012391.D

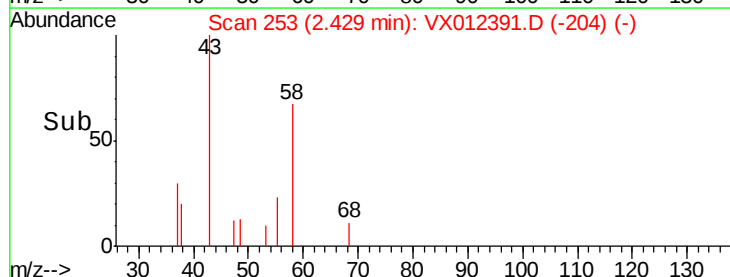
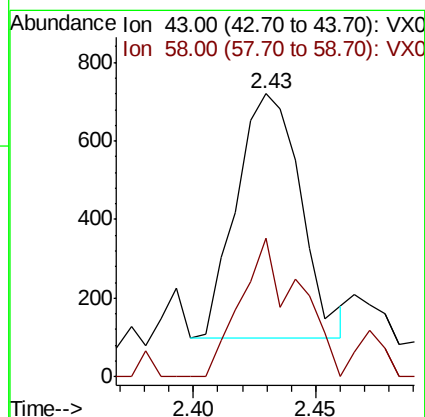
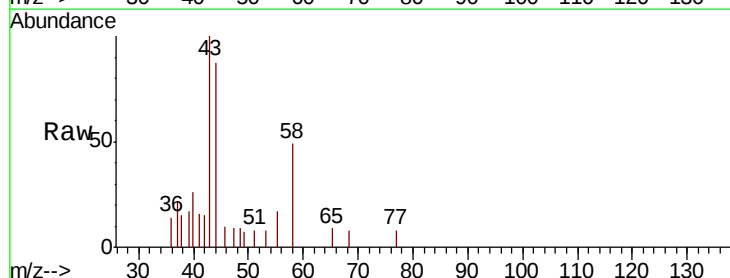
Acq: 13 Sep 2019 17:18

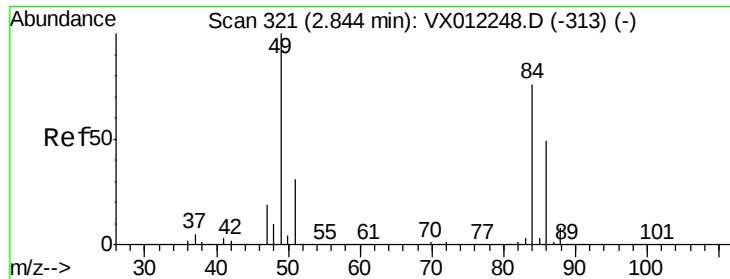
Tgt Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

58 57.1 23.6 35.4#

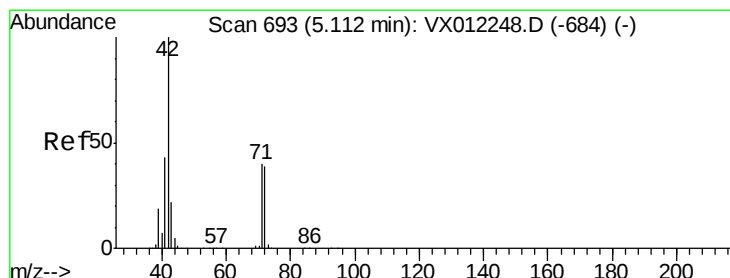
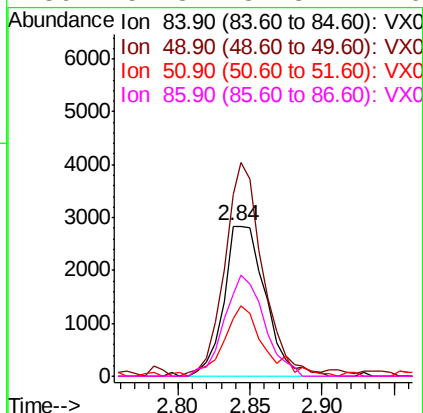
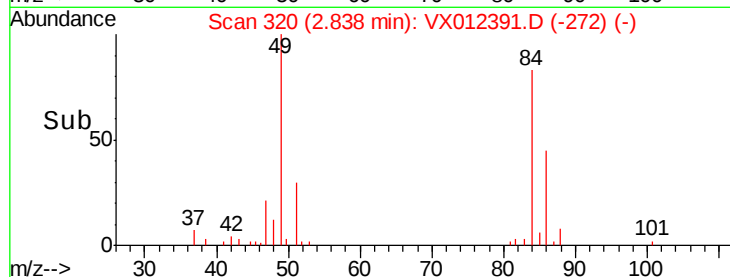
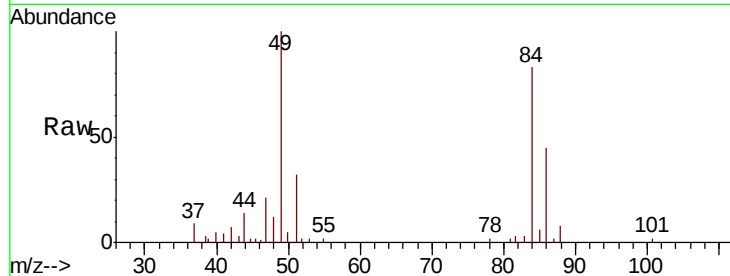




#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012391.D
Acq: 13 Sep 2019 17:18

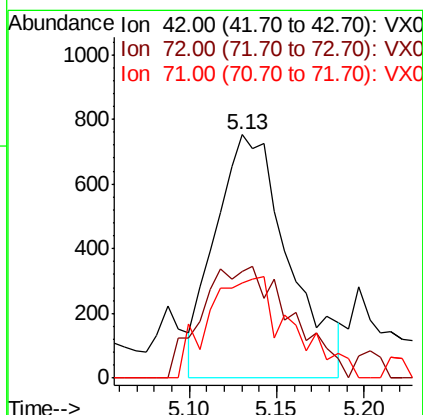
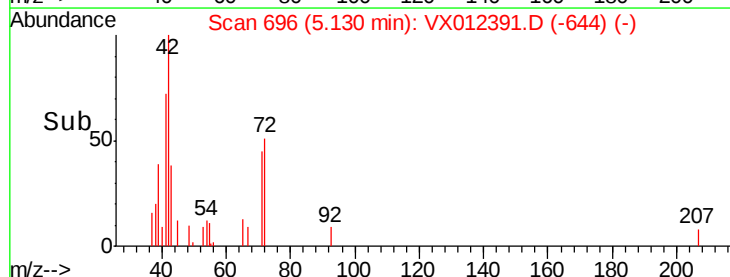
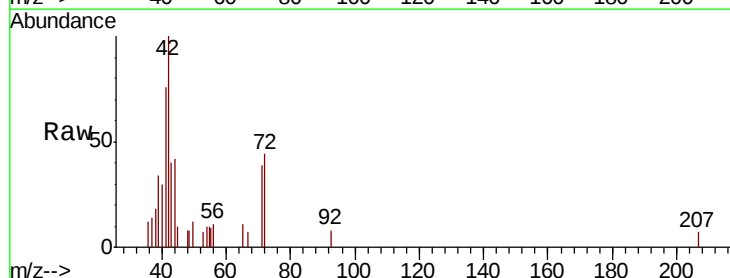
Instrument :
MSVOA_X
ClientSampleId :
T5-3-(2.5)

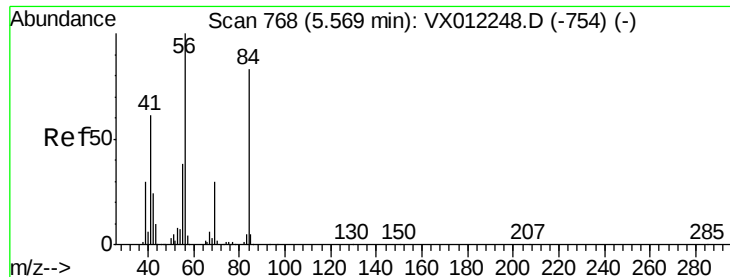
Tgt Ion:	84	Resp:	5749
Ion	Ratio	Lower	Upper
84	100		
49	118.3	105.0	157.6
51	38.6	32.6	48.8
86	54.3	51.8	77.6



#29
Tetrahydrofuran
Concen: 6.265 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012391.D
Acq: 13 Sep 2019 17:18

Tgt Ion:	42	Resp:	2201
Ion	Ratio	Lower	Upper
42	100		
72	55.8	35.2	52.8#
71	47.1	32.5	48.7

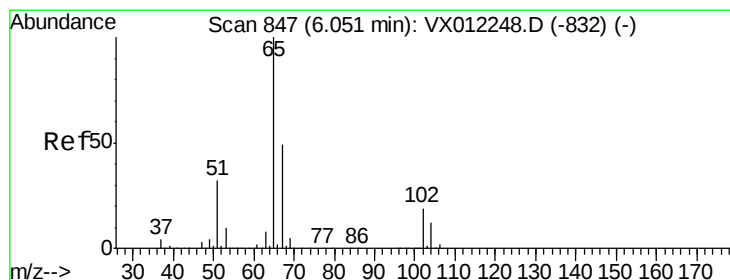
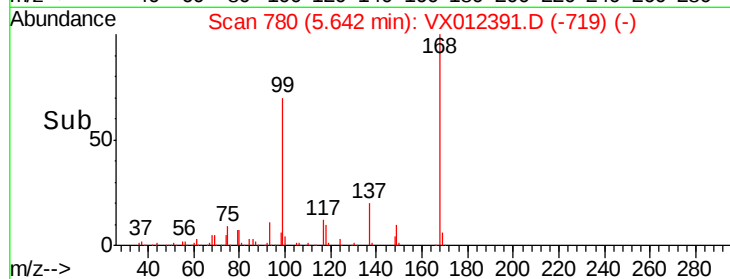
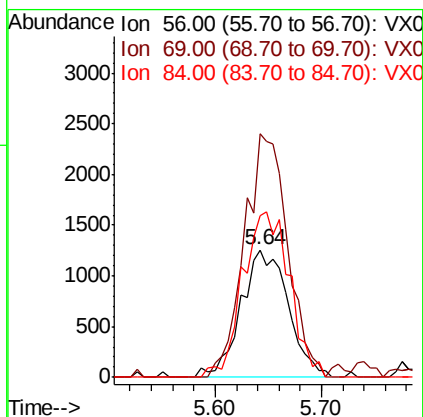
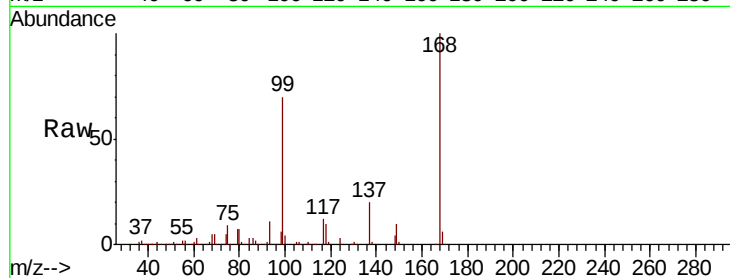




#31
Cyclohexane
Concen: 1.952 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012391.D
Acq: 13 Sep 2019 17:18

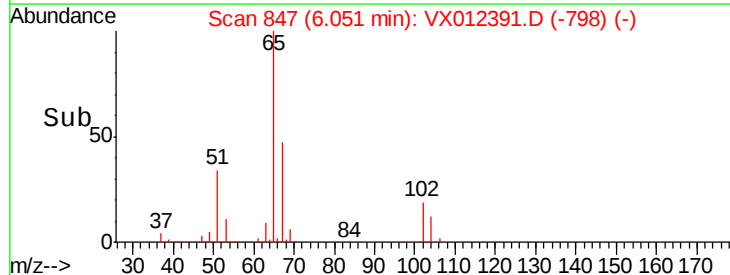
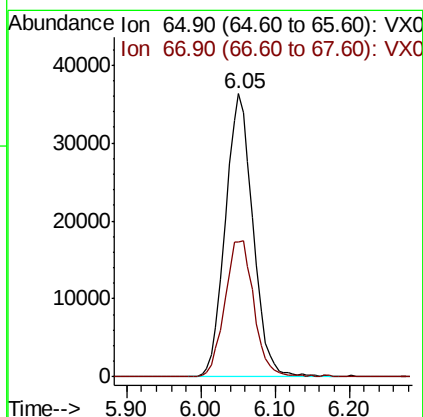
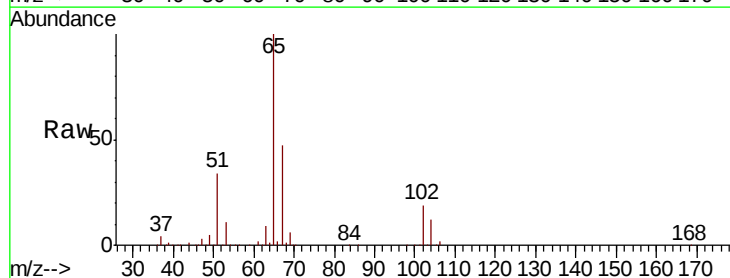
Instrument :
MSVOA_X
ClientSampleId :
T5-3-(2.5)

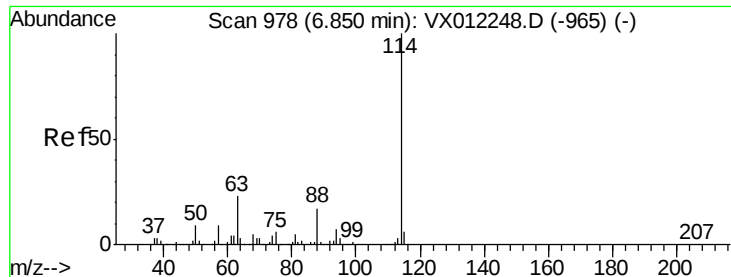
Tgt Ion: 56 Resp: 3899
Ion Ratio Lower Upper
56 100
69 190.8 23.8 35.6#
84 126.6 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 43.790 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012391.D
Acq: 13 Sep 2019 17:18

Tgt Ion: 65 Resp: 94222
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

T5-3-(2.5)

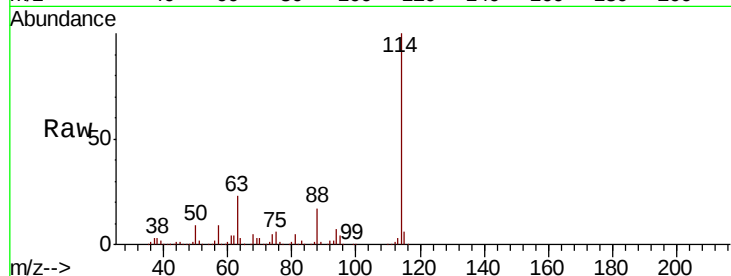
Tgt Ion:114 Resp: 256628

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

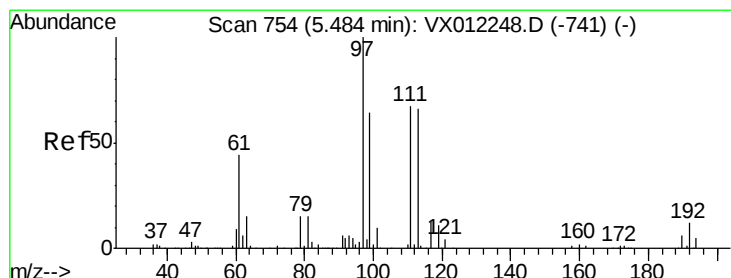
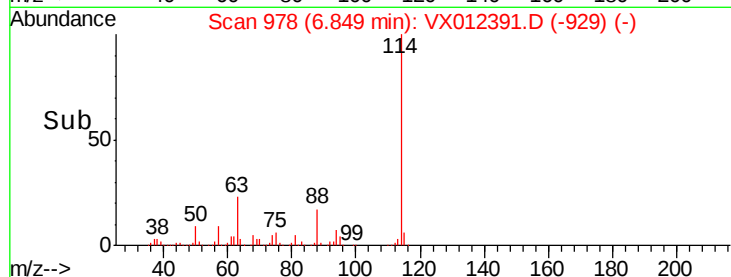
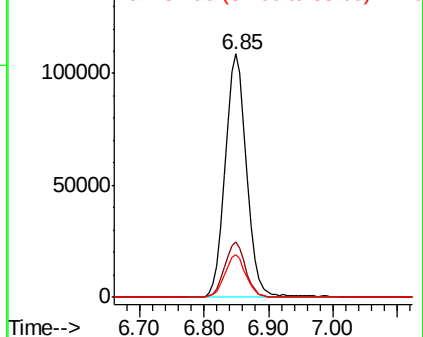
88 17.4 0.0 34.8



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: 44.497 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

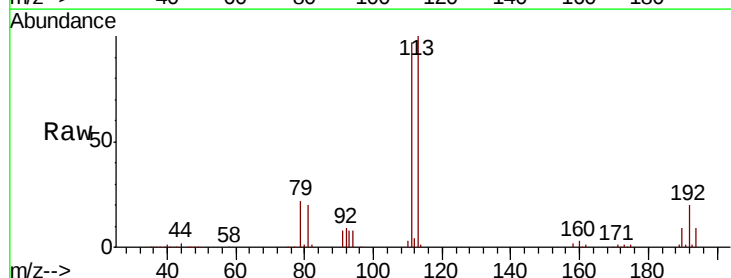
Tgt Ion:113 Resp: 73202

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

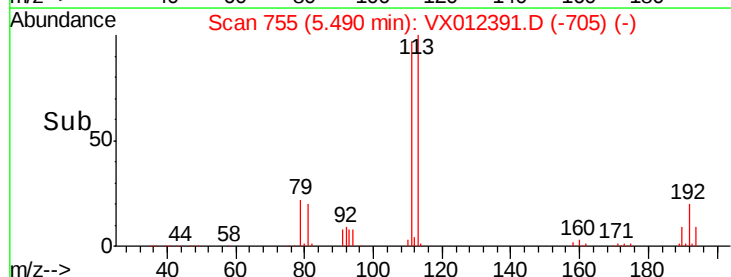
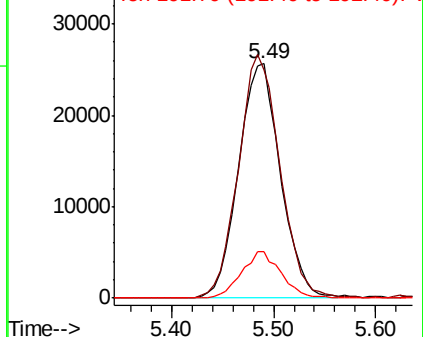
192 18.7 14.3 21.5

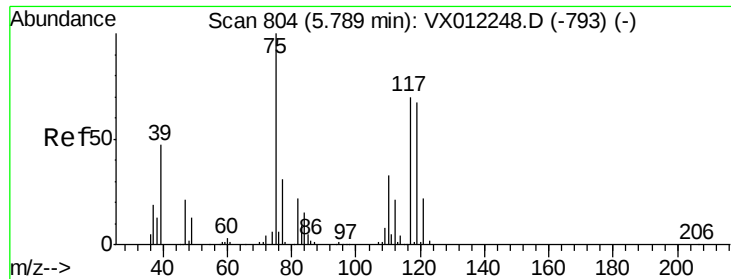


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

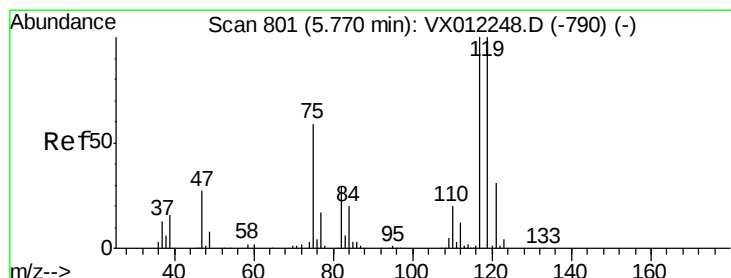
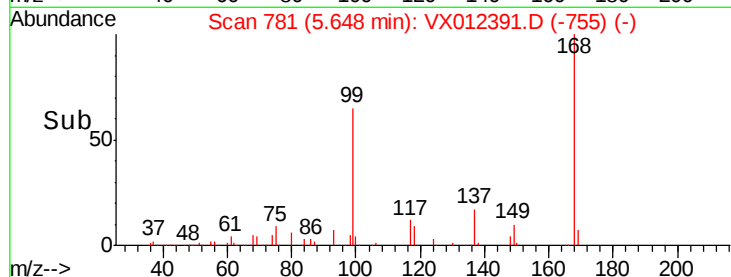
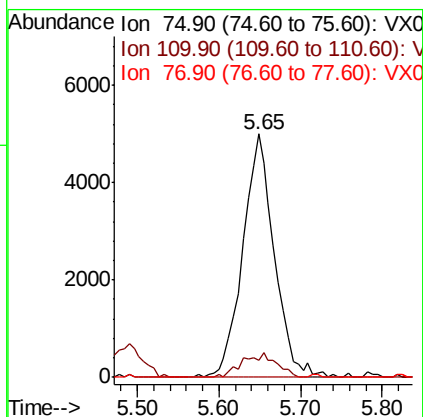
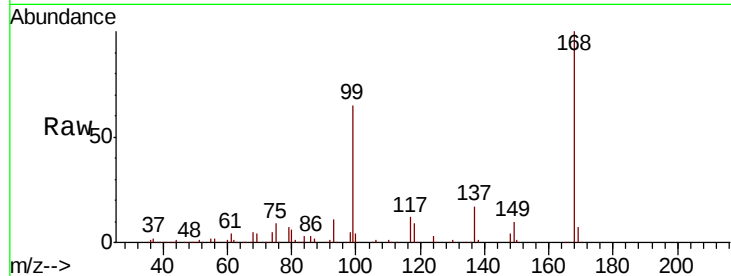




#36
 1,1-Dichloropropene
 Concen: 7.157 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012391.D
 Acq: 13 Sep 2019 17:18

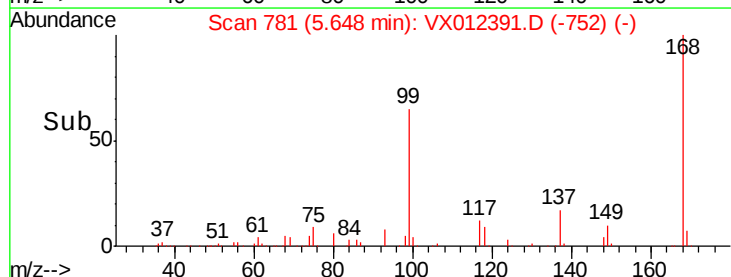
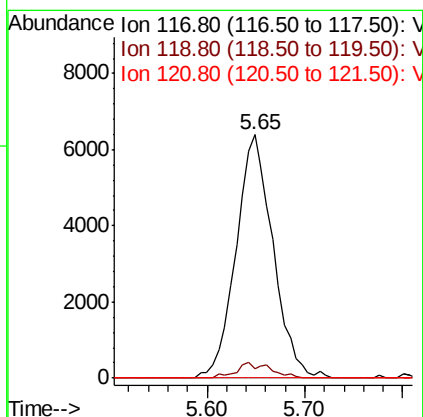
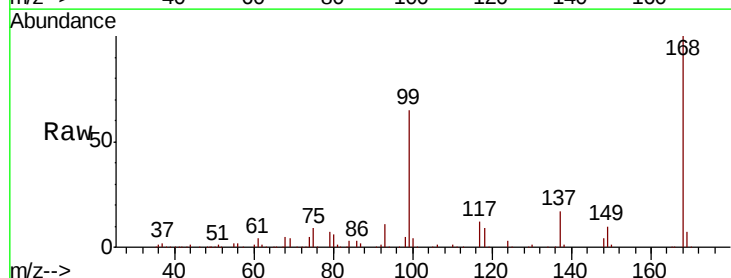
Instrument :
 MSVOA_X
 ClientSampleId :
 T5-3-(2.5)

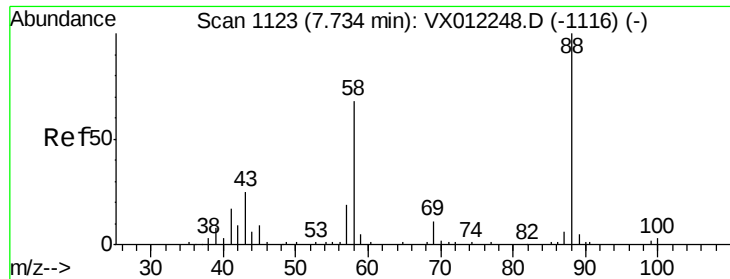
Tgt Ion: 75 Resp: 13393
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.8 50.4#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.634 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012391.D
 Acq: 13 Sep 2019 17:18

Tgt Ion: 117 Resp: 16760
 Ion Ratio Lower Upper
 117 100
 119 3.6 79.6 119.4#
 121 0.0 24.7 37.1#

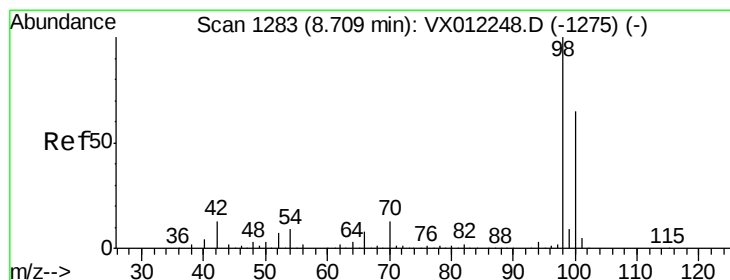
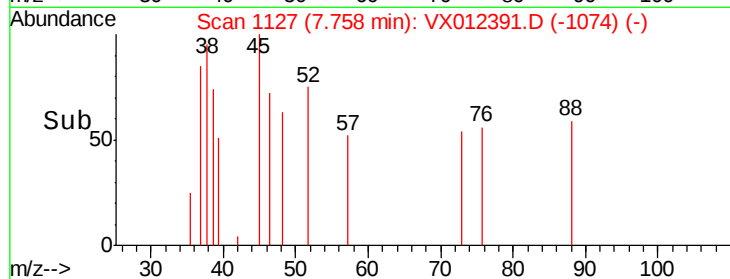
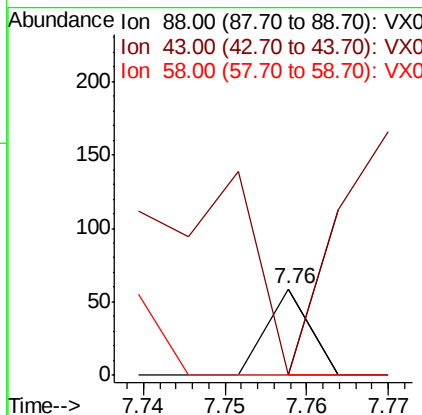
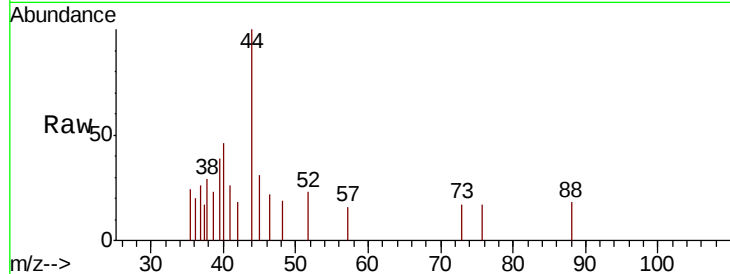




#49
 1,4-Dioxane
 Concen: 1.397 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. 0.02 min
 Lab File: VX012391.D
 Acq: 13 Sep 2019 17:18

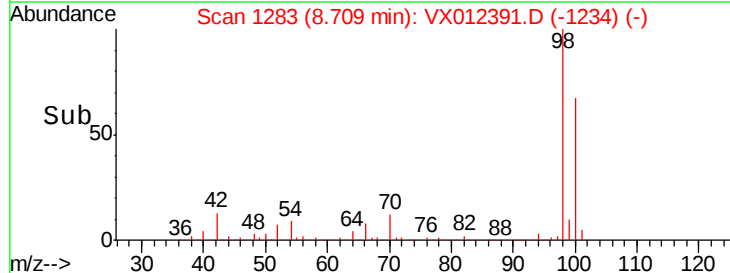
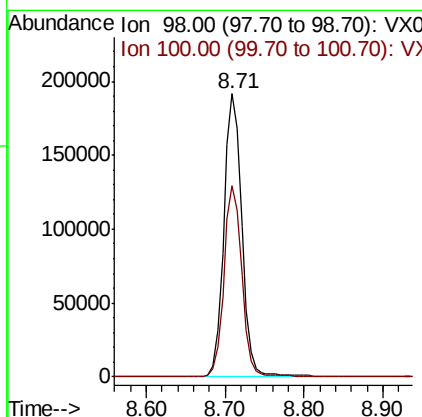
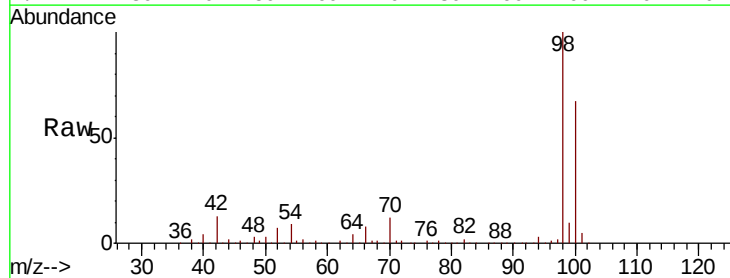
Instrument :
 MSVOA_X
 ClientSampleId :
 T5-3-(2.5)

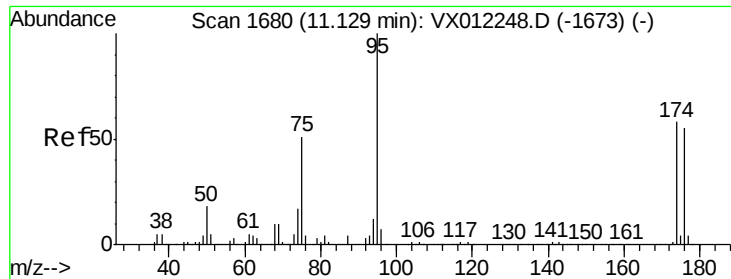
Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 572.7 31.0 46.4#
 58 0.0 61.5 92.3#



#50
 Toluene-d8
 Concen: 52.643 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012391.D
 Acq: 13 Sep 2019 17:18

Tgt Ion: 98 Resp: 303748
 Ion Ratio Lower Upper
 98 100
 100 67.1 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 41.916 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

T5-3-(2.5)

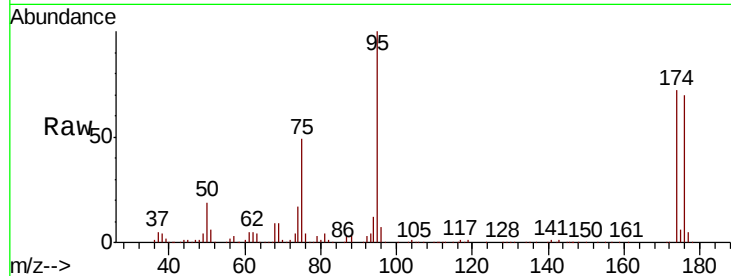
Tgt Ion: 95 Resp: 112123

Ion Ratio Lower Upper

95 100

174 69.0 0.0 127.0

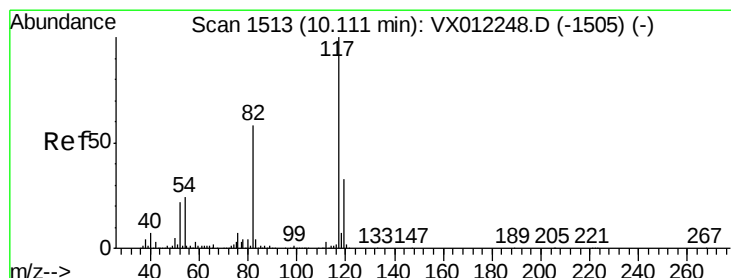
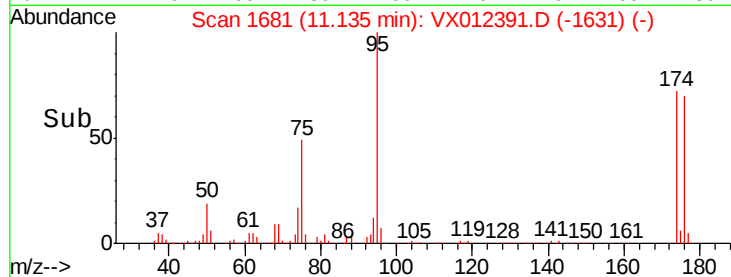
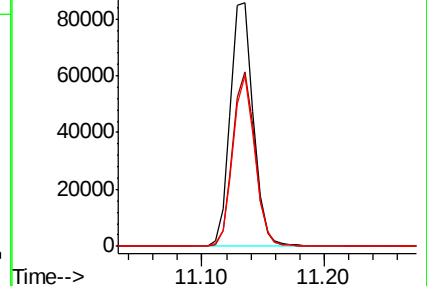
176 66.8 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

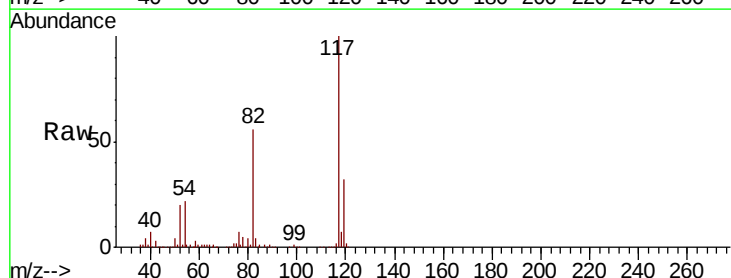
Tgt Ion: 117 Resp: 223004

Ion Ratio Lower Upper

117 100

82 56.1 46.4 69.6

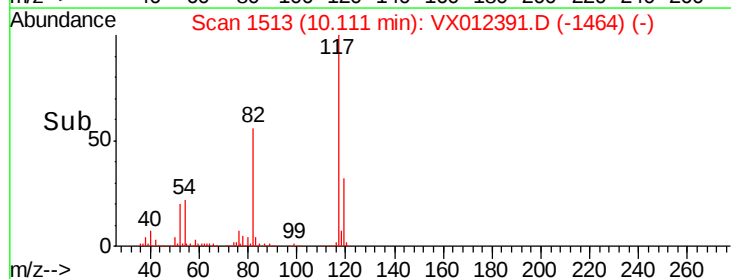
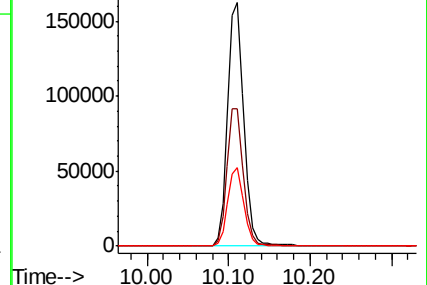
119 32.3 26.6 39.8

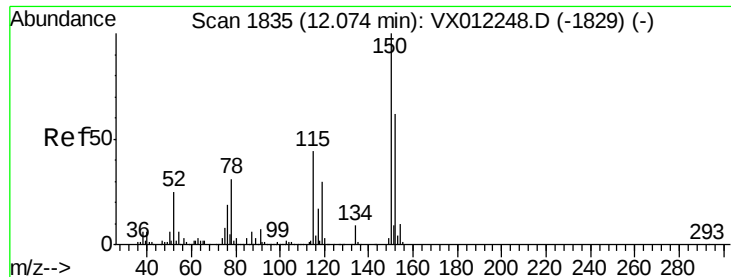


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

T5-3-(2.5)

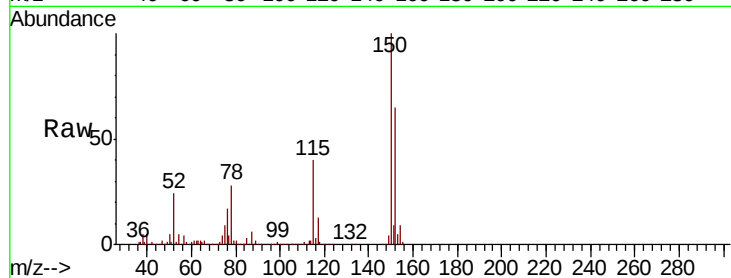
Tgt Ion:152 Resp: 96936

Ion Ratio Lower Upper

152 100

115 62.6 45.5 136.4

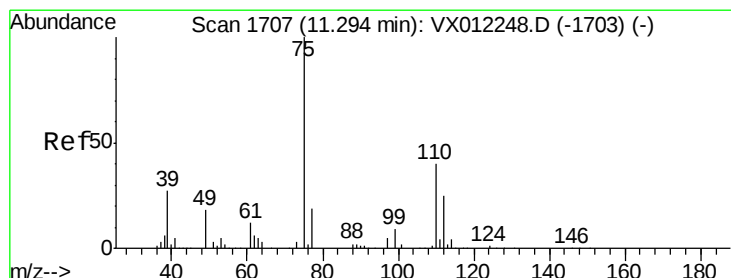
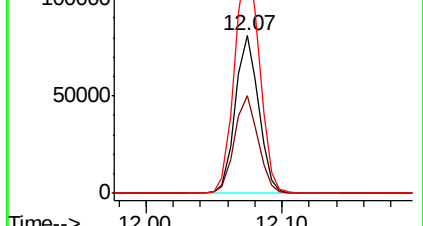
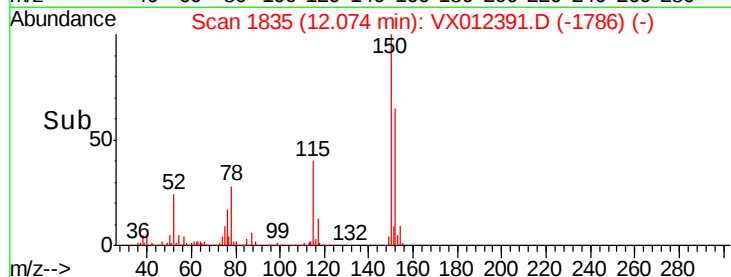
150 157.0 0.0 346.4



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: 47.093 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012391.D

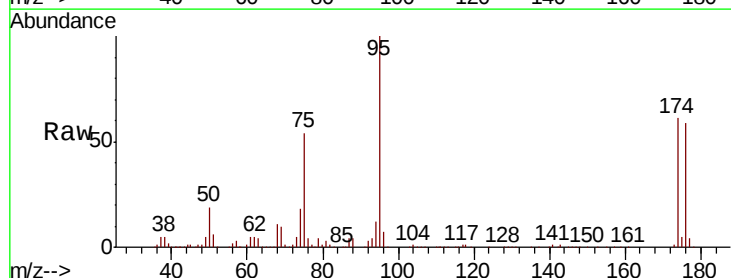
Acq: 13 Sep 2019 17:18

Tgt Ion: 75 Resp: 58644

Ion Ratio Lower Upper

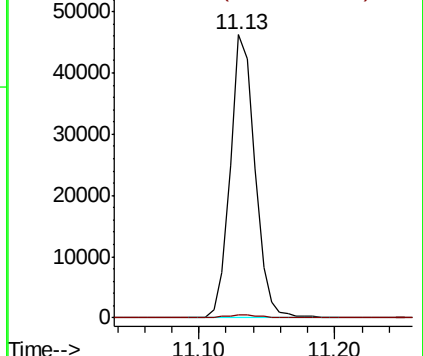
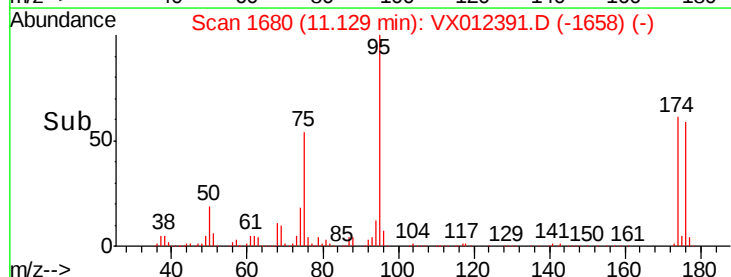
75 100

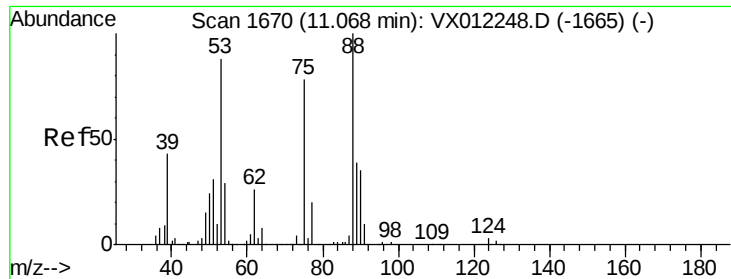
77 1.4 19.7 59.0#



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: 141.101 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012391.D

Acq: 13 Sep 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

T5-3-(2.5)

Tgt Ion: 75 Resp: 58644

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#

