

Data File : VX012205.D
Acq On : 08 Sep 2019 06:43
Operator : SY/SP
Sample : K4650-09
Misc : 5.62g/5.0mL/MSVOA_X/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-5

Quant Time: Sep 08 07:52:03 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	143354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	248713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	219434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99484	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	98119	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	5.48	113	73230	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	8.71	98	295941	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	11.14	95	120594	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	

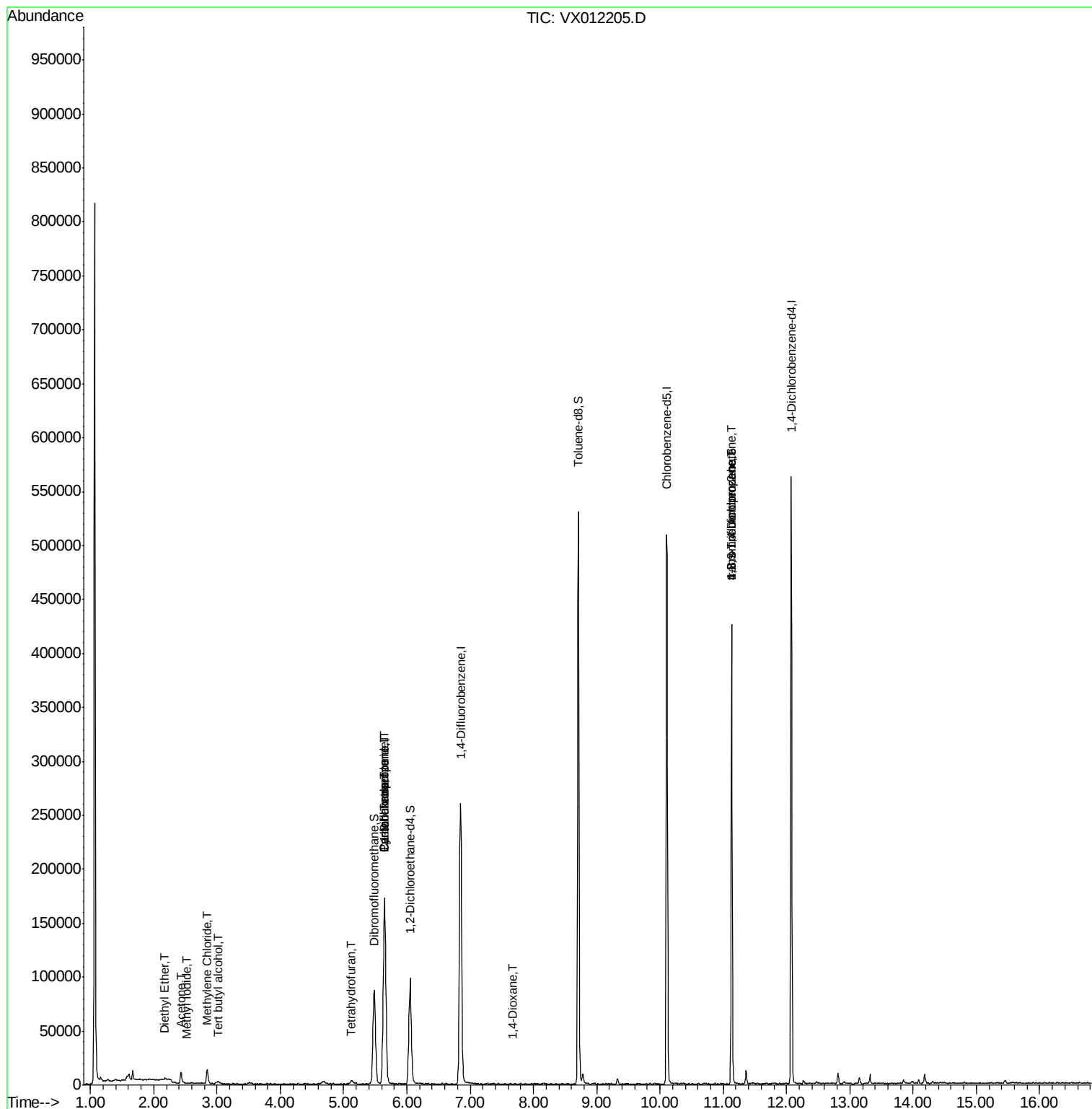
Target Compounds				Qvalue		
8) Diethyl Ether	2.17	74	735	1.075	ug/l	81
10) Methyl Iodide	2.53	142	19	6.999	ug/l #	40
11) Tert butyl alcohol	3.03	59	2215	11.659	ug/l #	91
13) Acrolein	2.24	56	197	Below Cal		94
16) Acetone	2.43	43	11171	23.628	ug/l	97
20) Methylene Chloride	2.84	84	6073	3.199	ug/l	89
29) Tetrahydrofuran	5.12	42	3100	8.549	ug/l	97
31) Cyclohexane	5.65	56	3839	1.583	ug/l #	17
36) 1,1-Dichloropropene	5.65	75	13588	6.203	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17223	7.462	ug/l #	14
49) 1,4-Dioxane	7.67	88	21	1.265	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	63073	51.889	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	63073	122.673	ug/l #	10

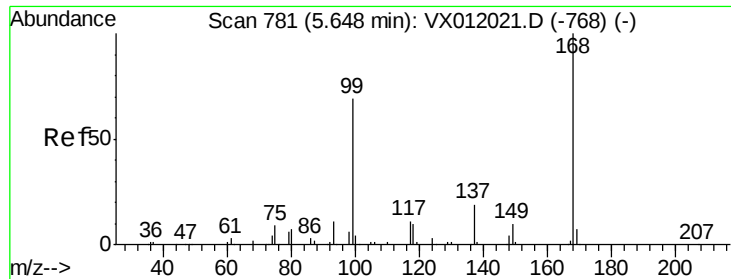
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

Instrument :

MSVOA_X

ClientSampleId :

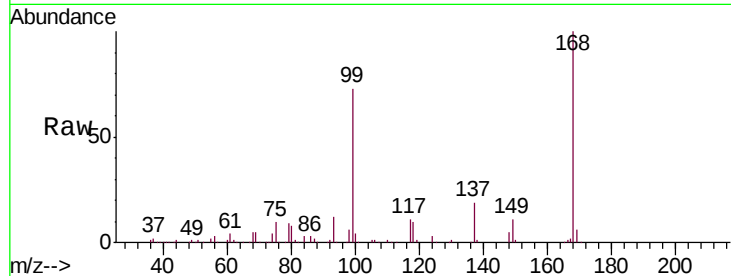
TP-5

Tgt Ion:168 Resp: 143354

Ion Ratio Lower Upper

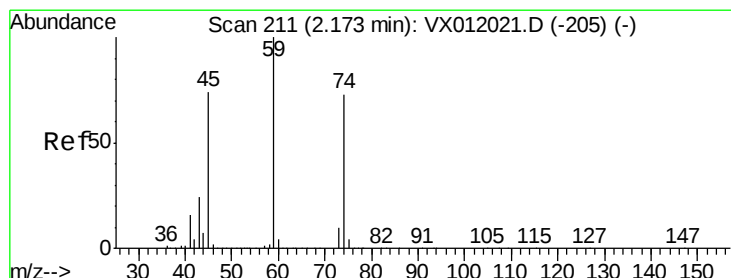
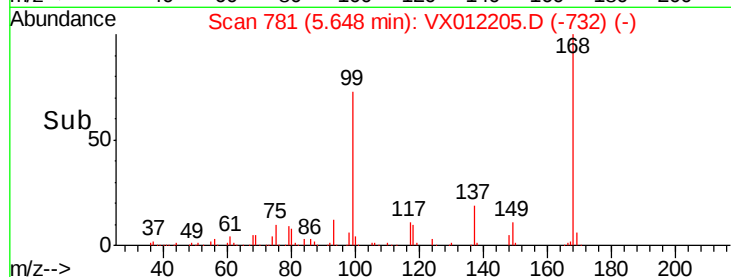
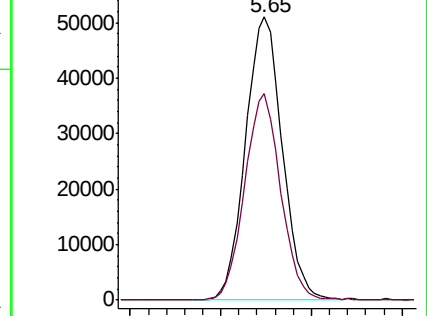
168 100

99 73.1 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: 1.075 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012205.D

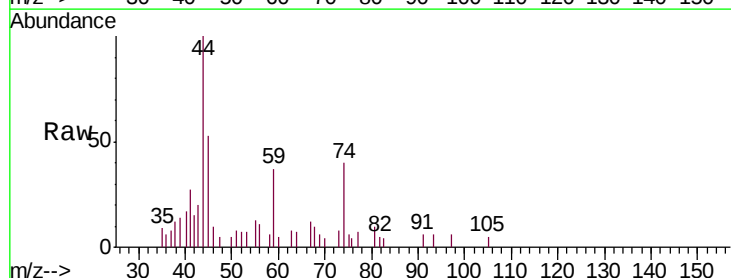
Acq: 08 Sep 2019 06:43

Tgt Ion: 74 Resp: 735

Ion Ratio Lower Upper

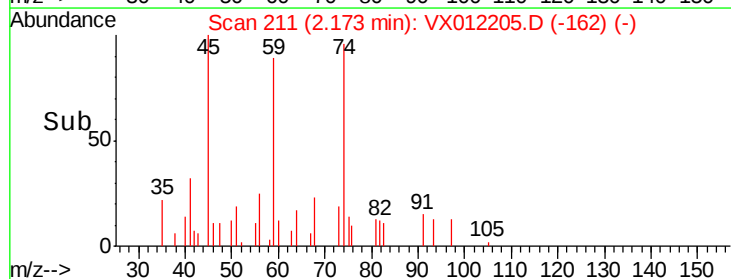
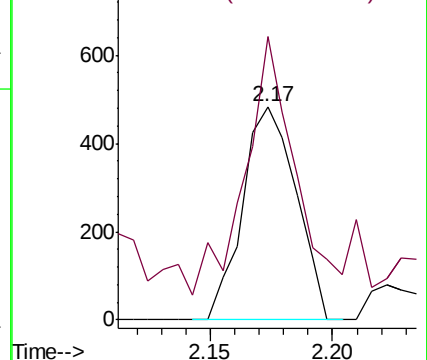
74 100

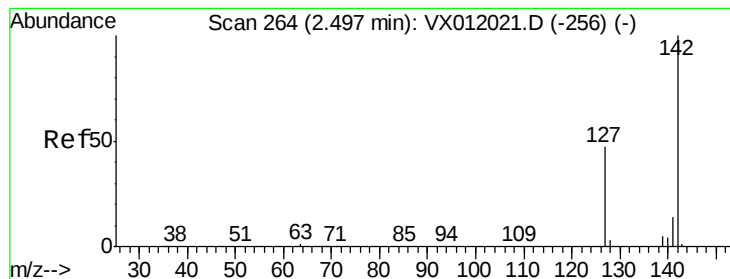
45 110.2 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 6.999 ug/l

RT: 2.53 min Scan# 269

Delta R.T. 0.03 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

Instrument :

MSVOA_X

ClientSampled :

TP-5

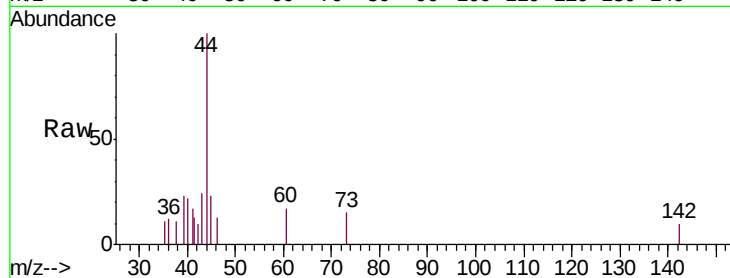
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.2#

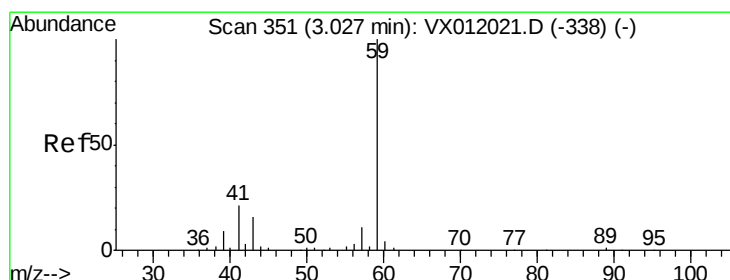
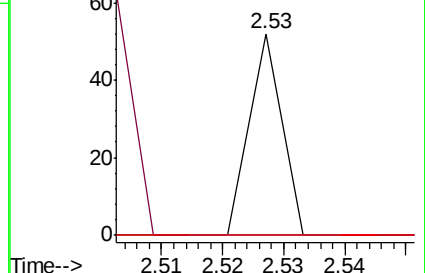
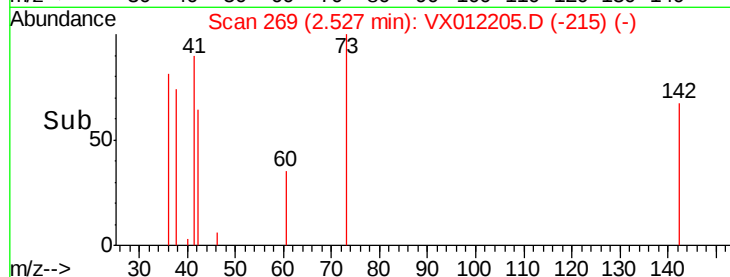
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 11.659 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012205.D

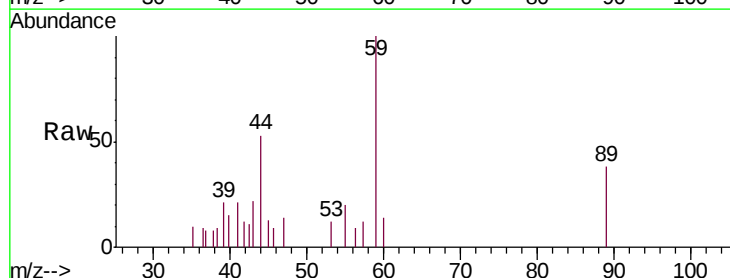
Acq: 08 Sep 2019 06:43

Tgt Ion: 59 Resp: 2215

Ion Ratio Lower Upper

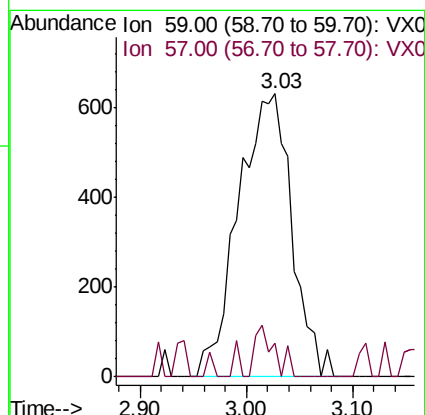
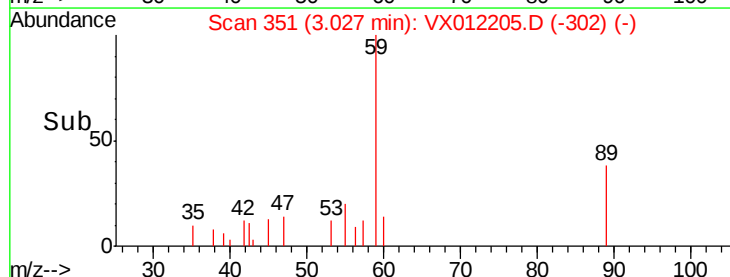
59 100

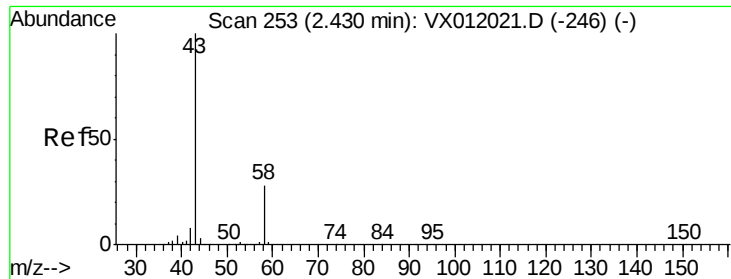
57 6.7 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 23.628 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

Instrument :

MSVOA_X

ClientSampleId :

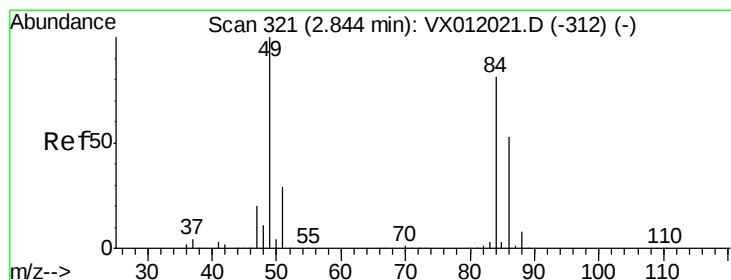
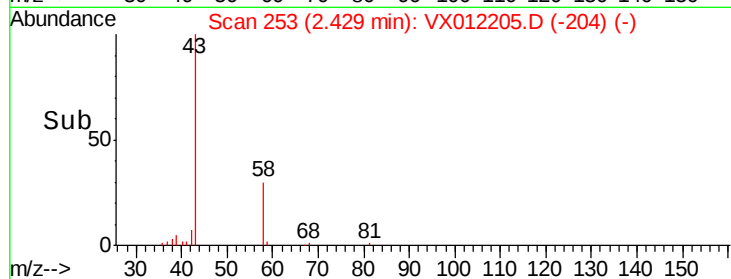
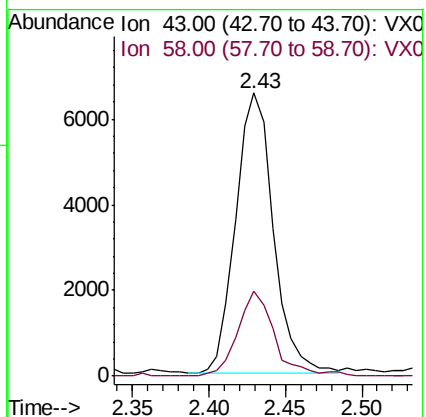
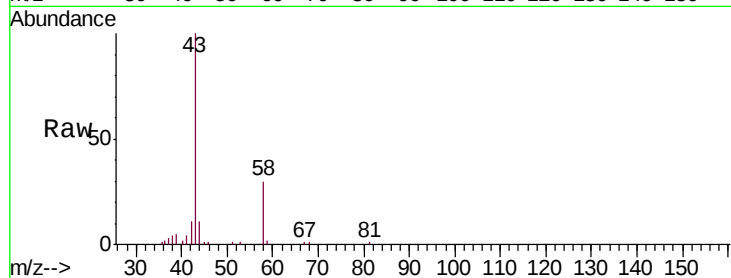
TP-5

Tgt Ion: 43 Resp: 11171

Ion Ratio Lower Upper

43 100

58 30.3 22.8 34.2



#20

Methylene Chloride

Concen: 3.199 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

Tgt Ion: 84 Resp: 6073

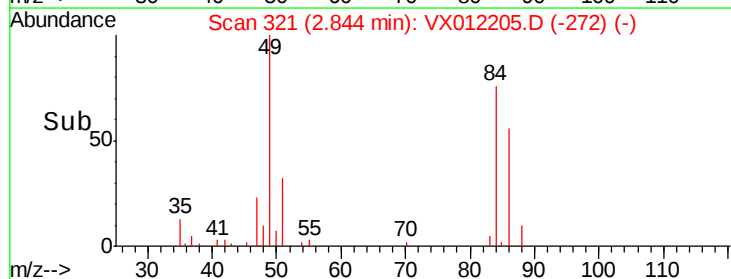
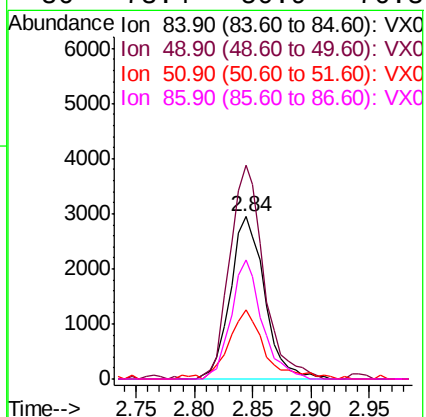
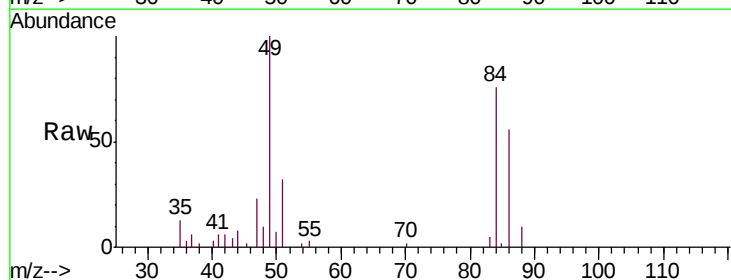
Ion Ratio Lower Upper

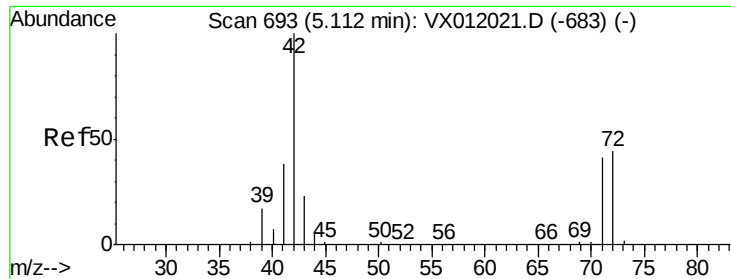
84 100

49 131.6 95.8 143.8

51 42.8 28.6 43.0

86 73.4 50.9 76.3





#29

Tetrahydrofuran

Concen: 8.549 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

Instrument :

MSVOA_X

ClientSampleId :

TP-5

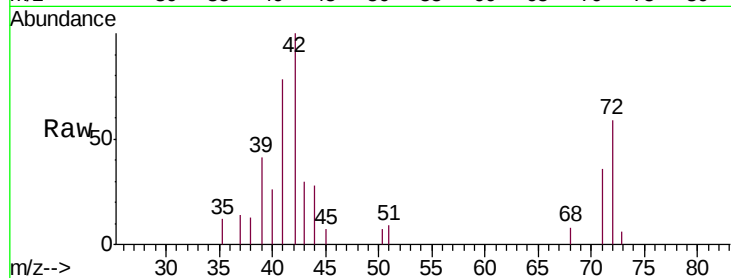
Tgt Ion: 42 Resp: 3100

Ion Ratio Lower Upper

42 100

72 44.3 37.0 55.4

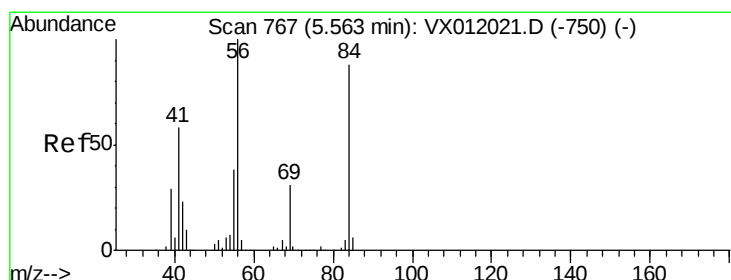
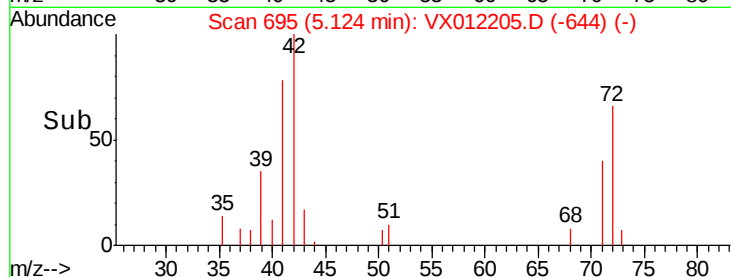
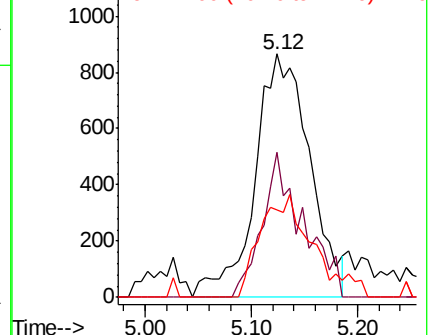
71 40.5 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.583 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

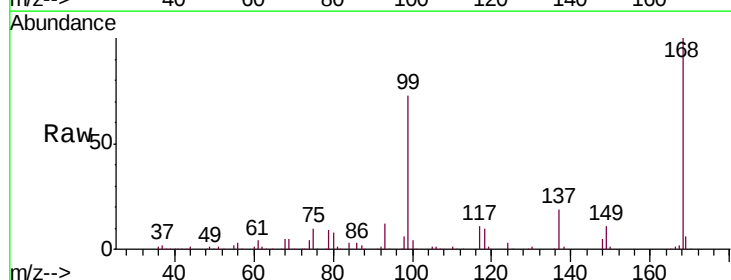
Tgt Ion: 56 Resp: 3839

Ion Ratio Lower Upper

56 100

69 173.9 25.7 38.5#

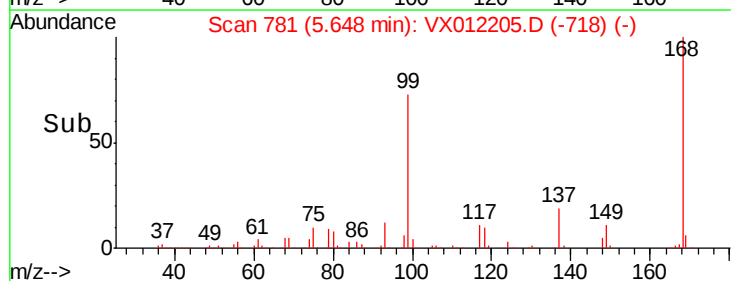
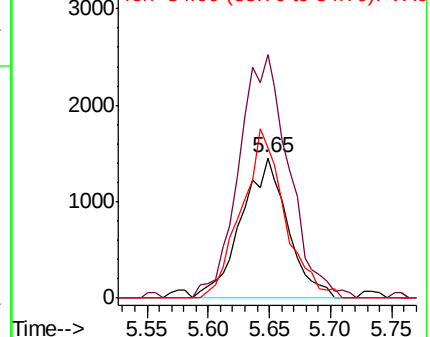
84 106.8 70.3 105.5#

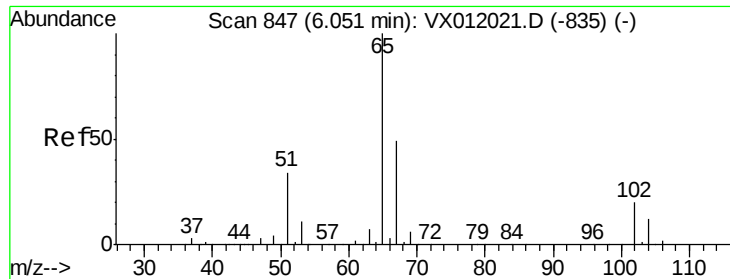


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

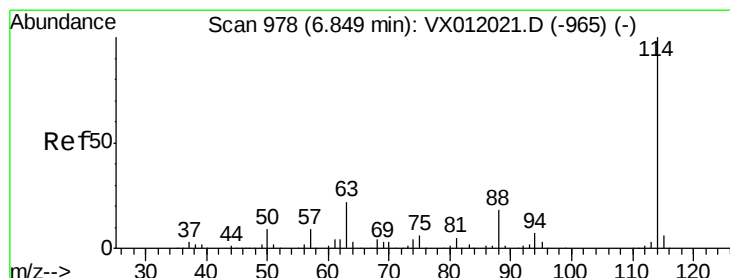
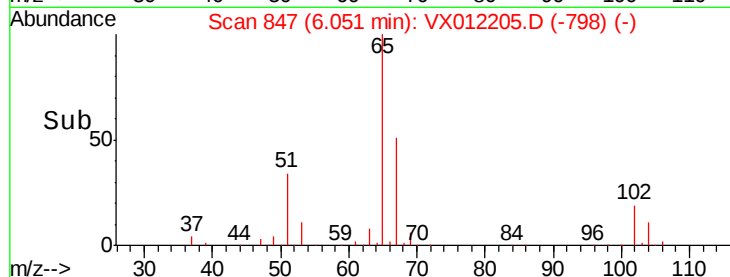
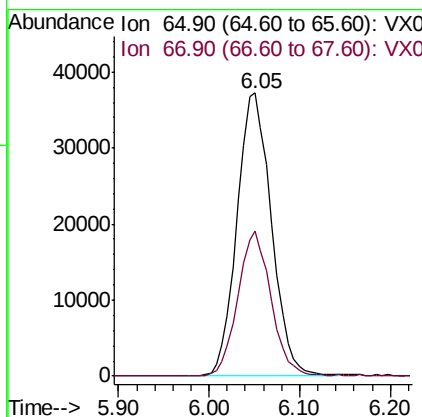
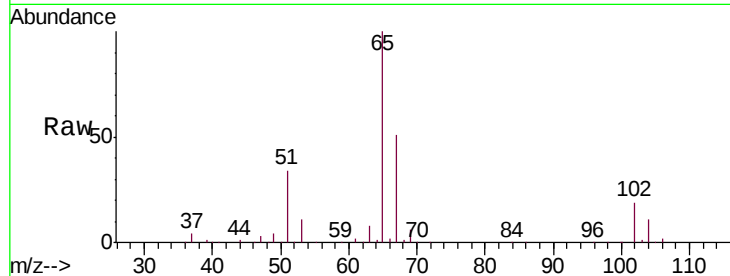




#33
 1,2-Dichloroethane-d4
 Concen: 49.605 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012205.D
 Acq: 08 Sep 2019 06:43

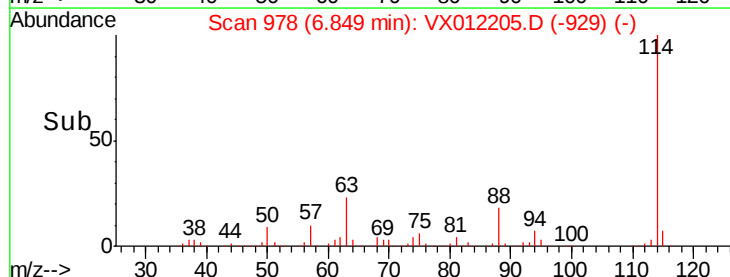
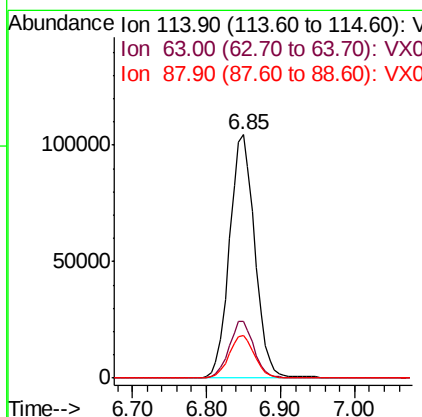
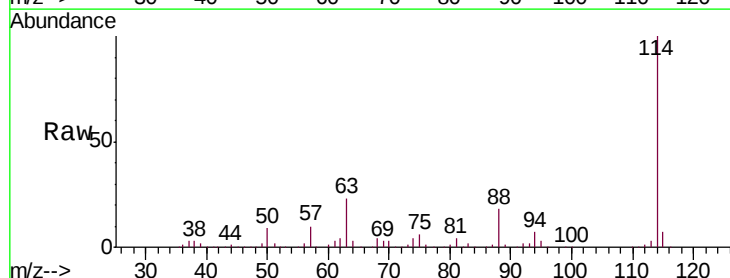
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5

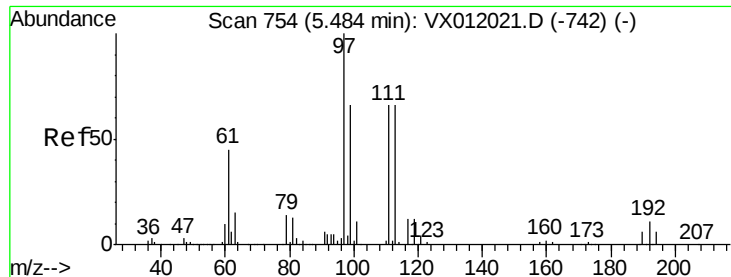
Tgt Ion: 65 Resp: 98119
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012205.D
 Acq: 08 Sep 2019 06:43

Tgt Ion: 114 Resp: 248713
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 37.4
 88 17.8 0.0 29.6

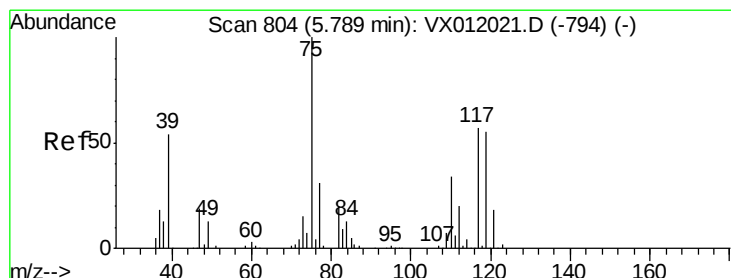
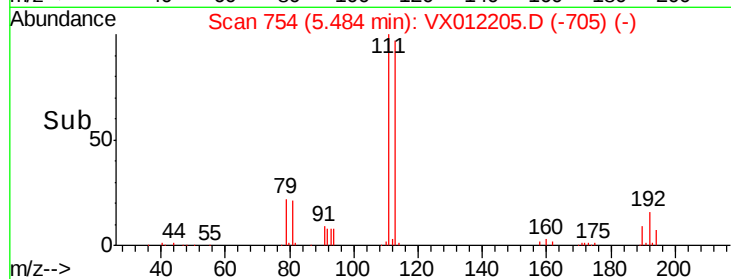
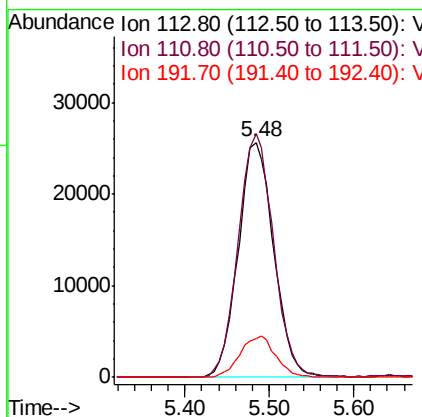
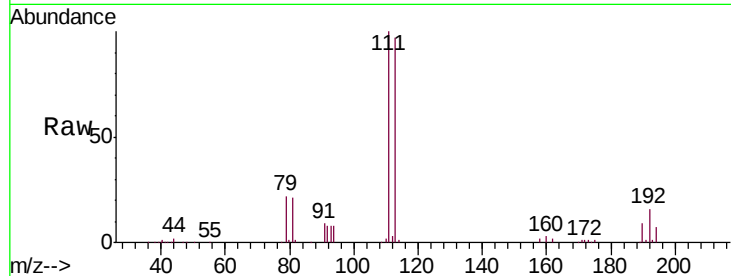




#35
 Dibromofluoromethane
 Concen: 47.878 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012205.D
 Acq: 08 Sep 2019 06:43

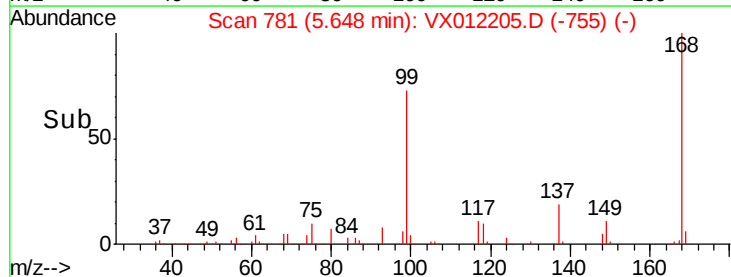
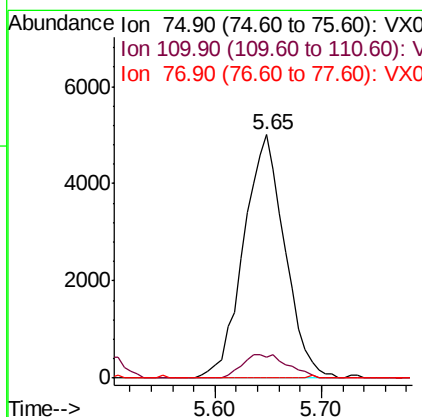
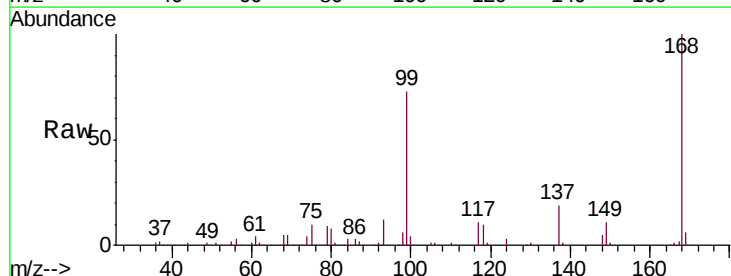
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5

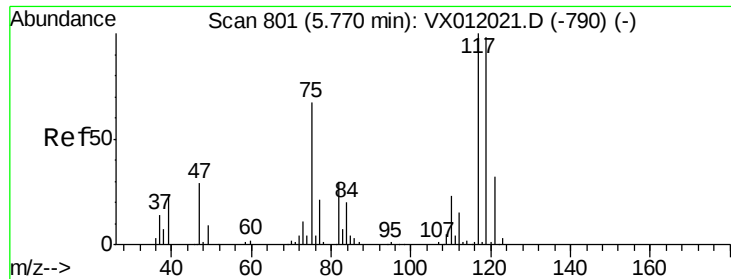
Tgt Ion:113 Resp: 73230
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.7 122.5
 192 17.6 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.203 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012205.D
 Acq: 08 Sep 2019 06:43

Tgt Ion: 75 Resp: 13588
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.462 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

Instrument :

MSVOA_X

ClientSampled :

TP-5

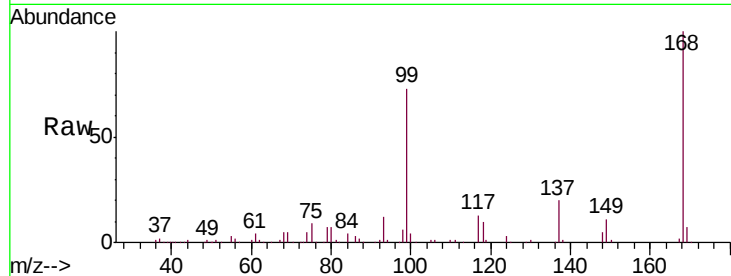
Tgt Ion:117 Resp: 17223

Ion Ratio Lower Upper

117 100

119 4.0 78.3 117.5#

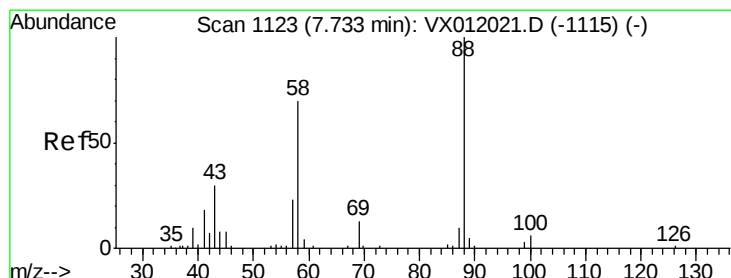
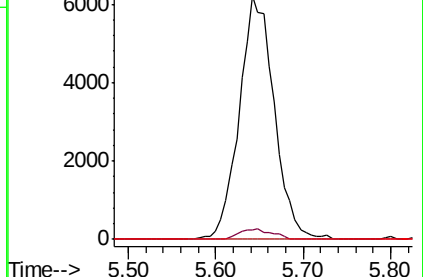
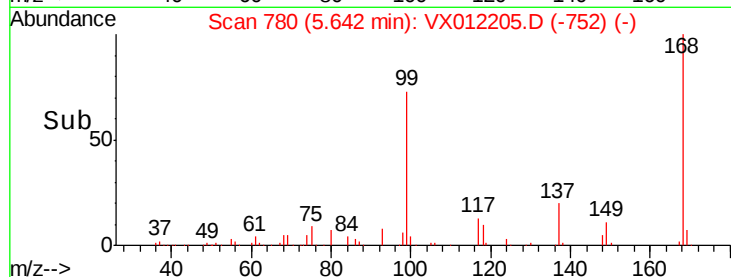
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.265 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.06 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

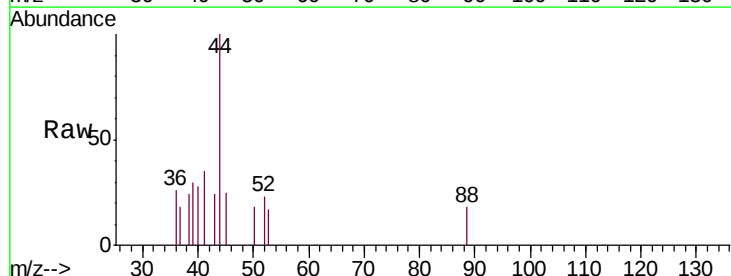
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

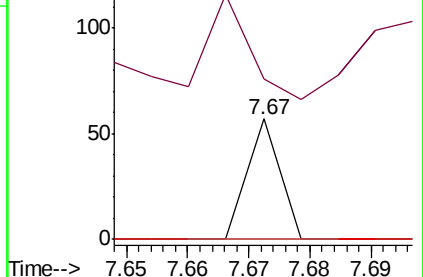
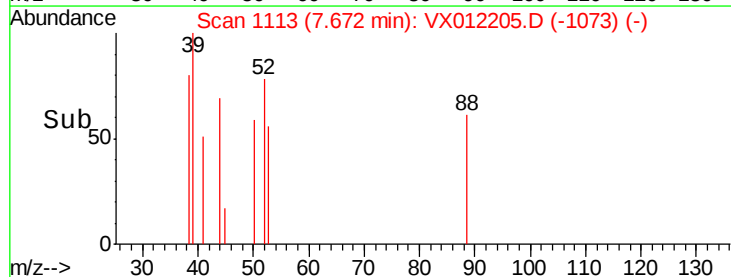
58 0.0 55.4 83.2#

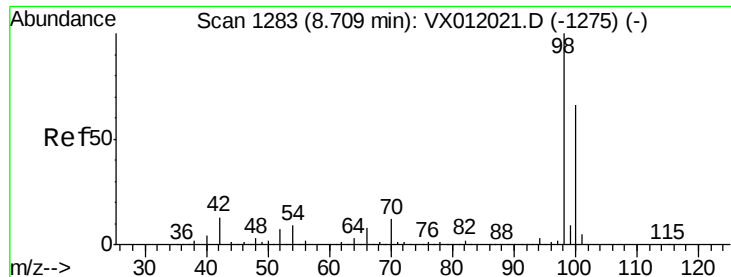


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

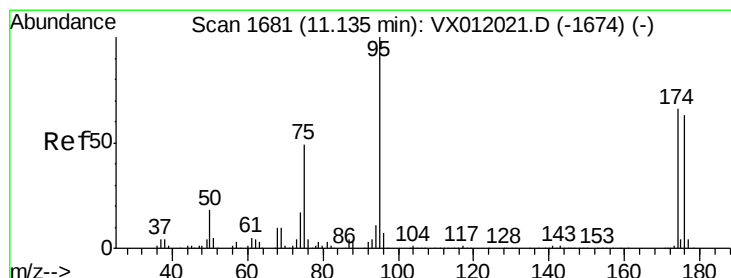
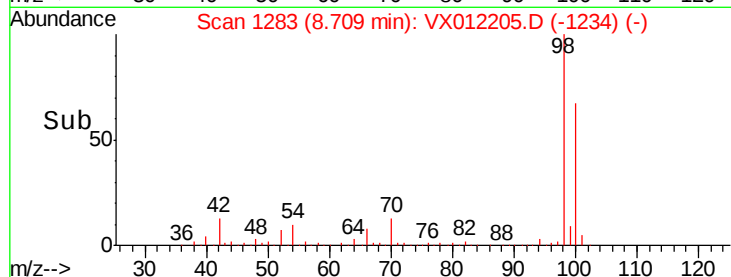
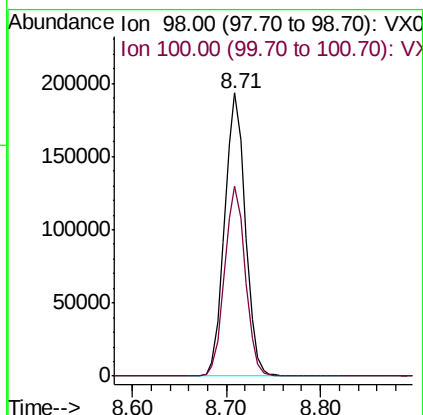
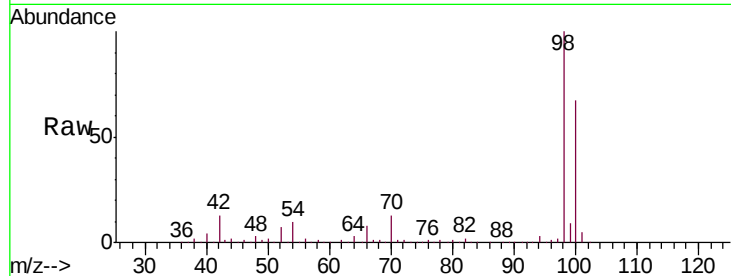




#50
Toluene-d8
Concen: 52.728 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012205.D
Acq: 08 Sep 2019 06:43

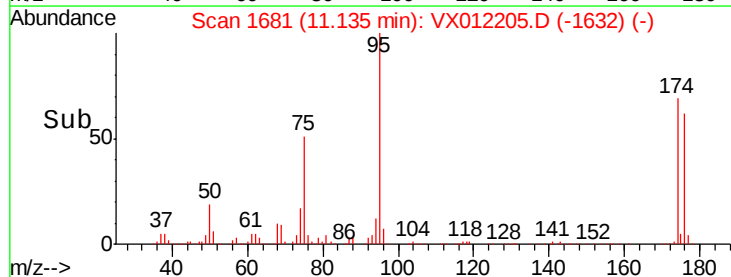
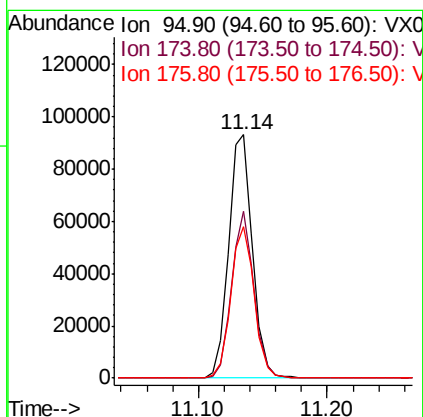
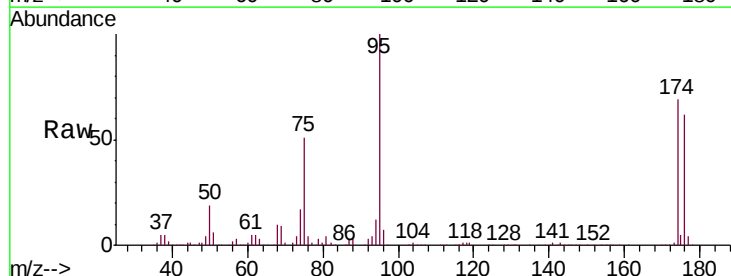
Instrument :
MSVOA_X
ClientSampleId :
TP-5

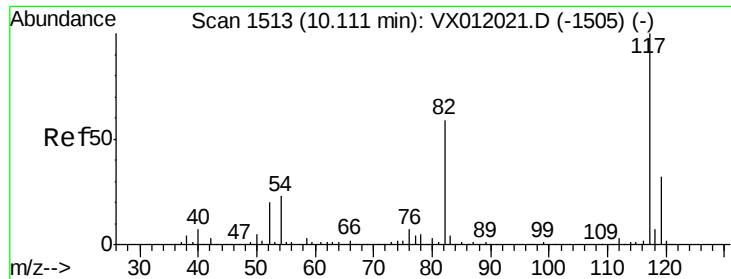
Tgt Ion: 98 Resp: 295941
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.201 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012205.D
Acq: 08 Sep 2019 06:43

Tgt Ion: 95 Resp: 120594
Ion Ratio Lower Upper
95 100
174 64.5 0.0 205.4
176 61.2 0.0 201.8

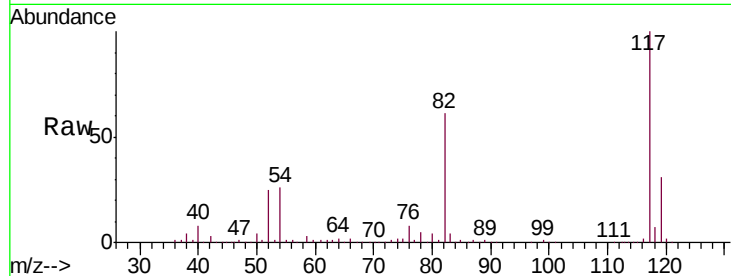




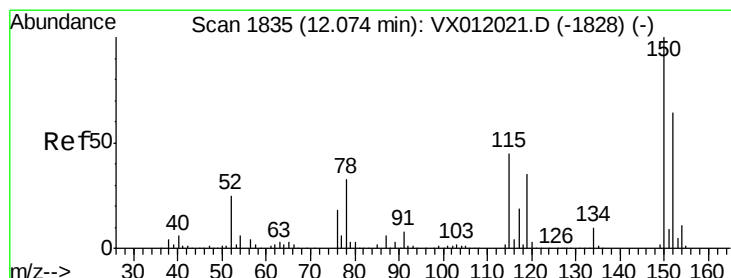
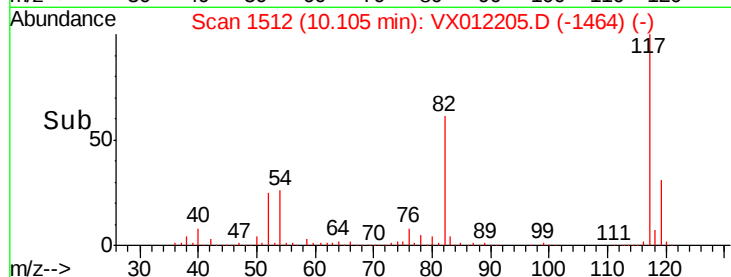
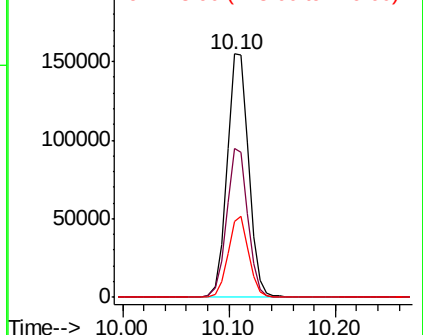
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX012205.D
 Acq: 08 Sep 2019 06:43

Instrument :
 MSVOA_X
 ClientSampled :
 TP-5

Tgt Ion:117 Resp: 219434
 Ion Ratio Lower Upper
 117 100
 82 61.3 39.4 59.0#
 119 31.4 26.1 39.1

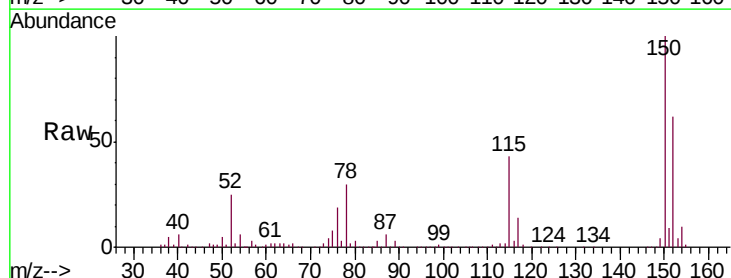


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

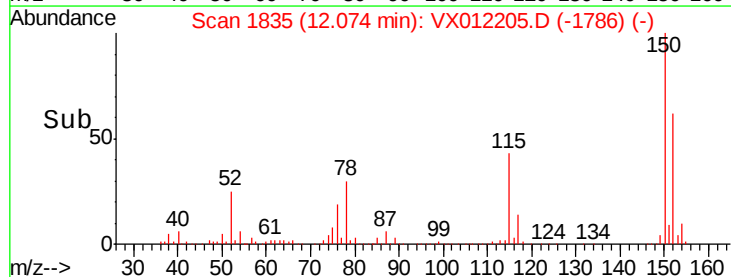
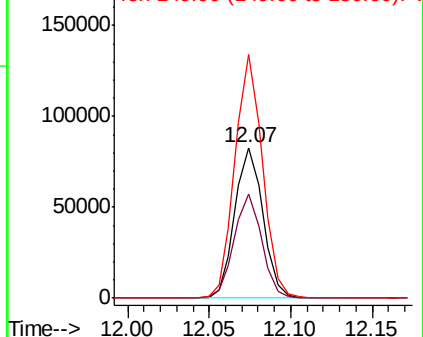


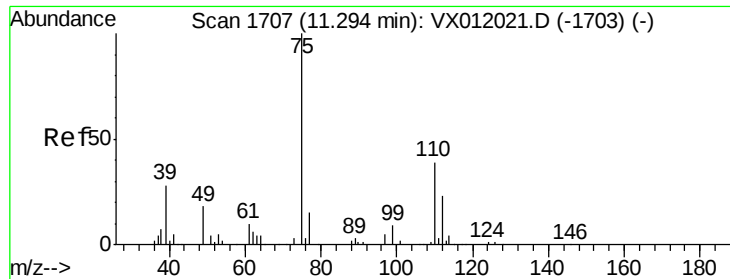
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012205.D
 Acq: 08 Sep 2019 06:43

Tgt Ion:152 Resp: 99484
 Ion Ratio Lower Upper
 152 100
 115 67.9 36.4 109.3
 150 159.3 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: 51.889 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

Instrument :

MSVOA_X

ClientSampleId :

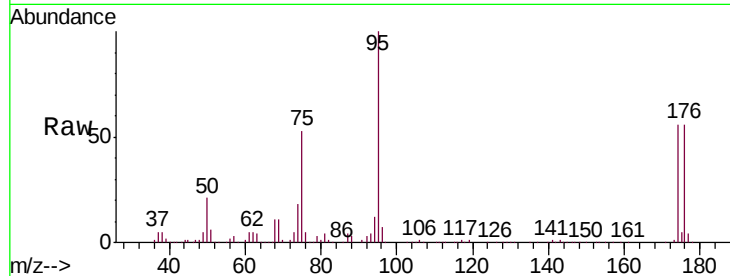
TP-5

Tgt Ion: 75 Resp: 63073

Ion Ratio Lower Upper

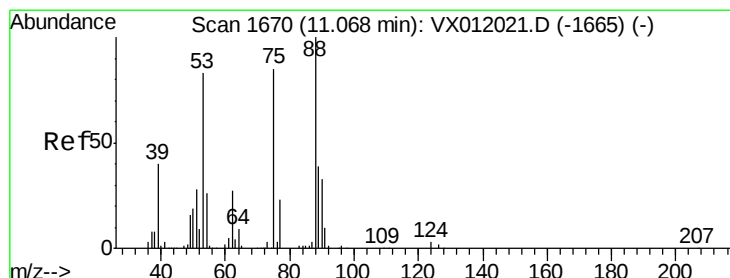
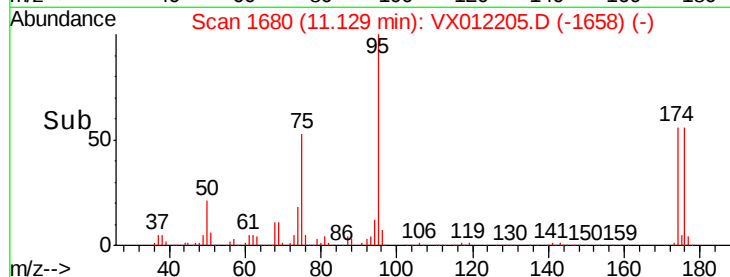
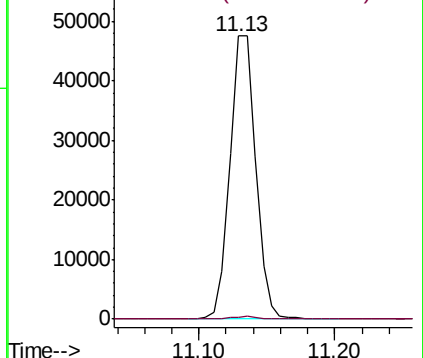
75 100

77 1.1 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: 122.673 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012205.D

Acq: 08 Sep 2019 06:43

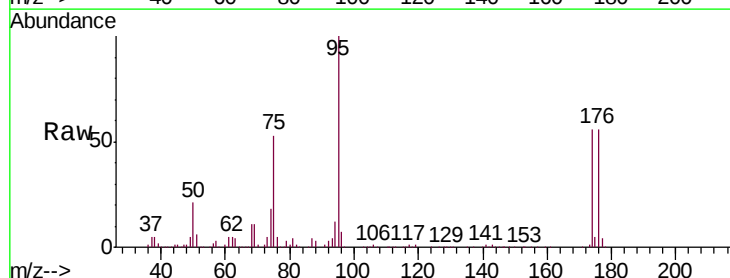
Tgt Ion: 75 Resp: 63073

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

