

Data File : VX012201.D
Acq On : 08 Sep 2019 04:52
Operator : SY/SP
Sample : K4650-01
Misc : 4.99g/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Quant Time: Sep 08 07:51:02 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	148605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253923	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	99530	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	5.48	113	76221	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	8.71	98	302198	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.14	95	115096	43.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.38%	

Target Compounds

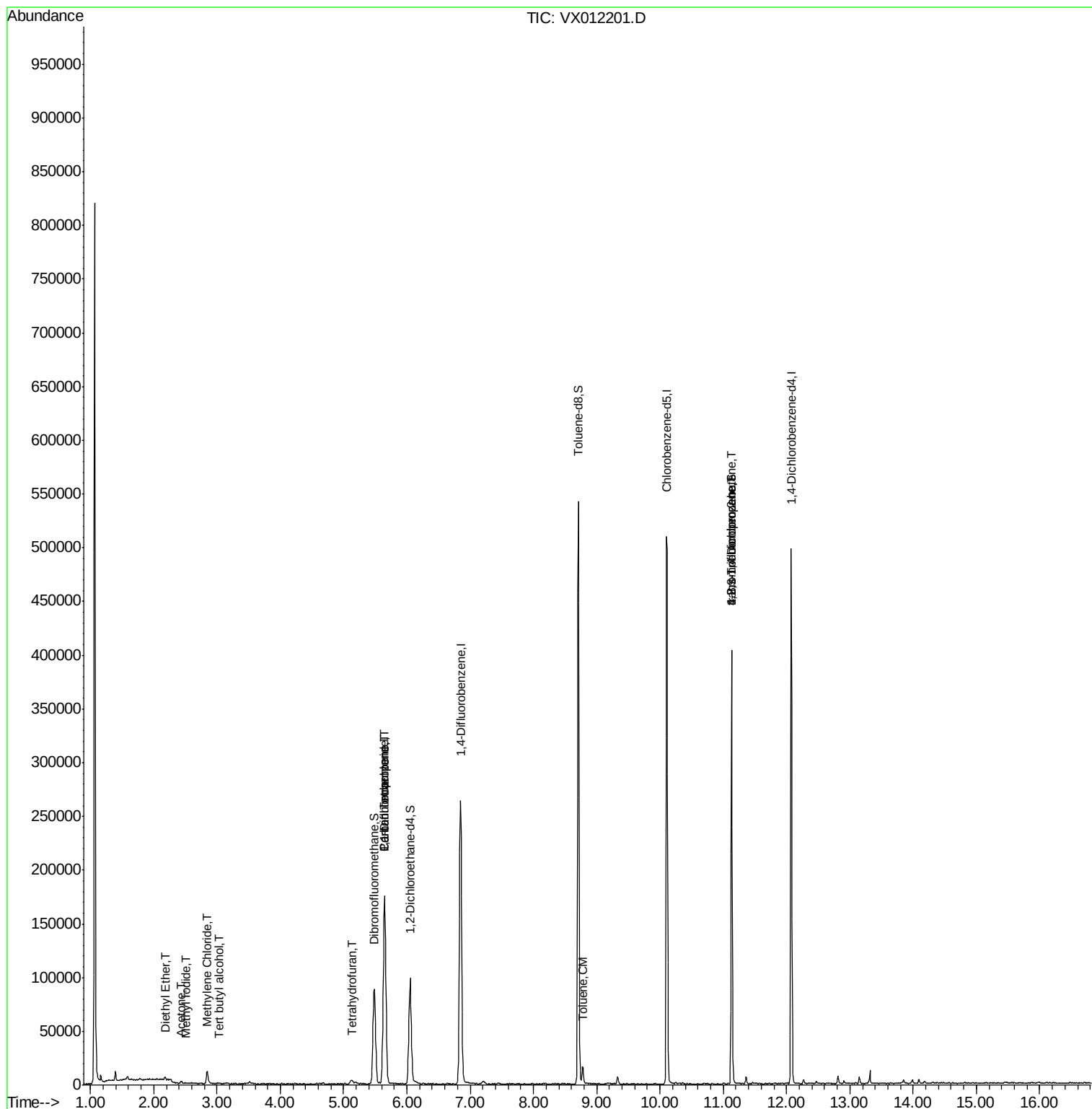
						Qvalue
8) Diethyl Ether	2.18	74	720	1.016	ug/l	76
10) Methyl Iodide	2.51	142	66	7.025	ug/l #	60
11) Tert butyl alcohol	3.03	59	743	3.773	ug/l #	45
13) Acrolein	2.30	56	183	Below Cal	#	25
16) Acetone	2.43	43	1815	3.703	ug/l	98
20) Methylene Chloride	2.84	84	5170	2.627	ug/l	87
29) Tetrahydrofuran	5.13	42	4017	10.687	ug/l	98
36) 1,1-Dichloropropene	5.65	75	13522	6.046	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17357	7.365	ug/l #	15
52) Toluene	8.78	92	5393	1.291	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	60206	54.560	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	60206	128.988	ug/l #	10

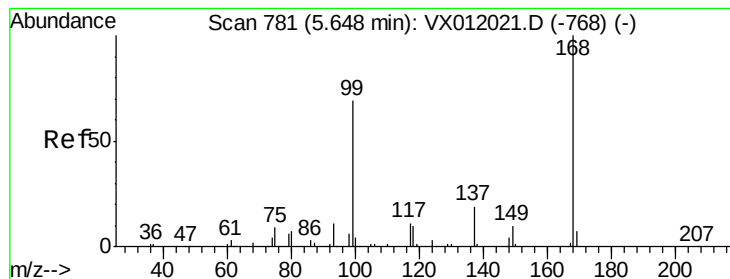
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012201.D

Acq: 08 Sep 2019 04:52

Instrument :

MSVOA_X

ClientSampled :

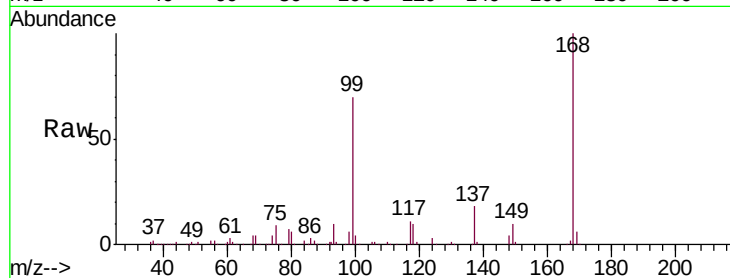
TP-1

Tgt Ion:168 Resp: 148605

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

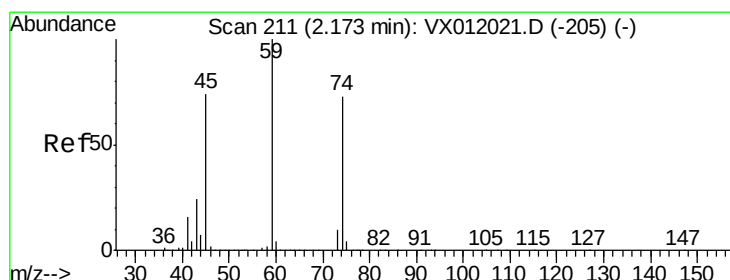
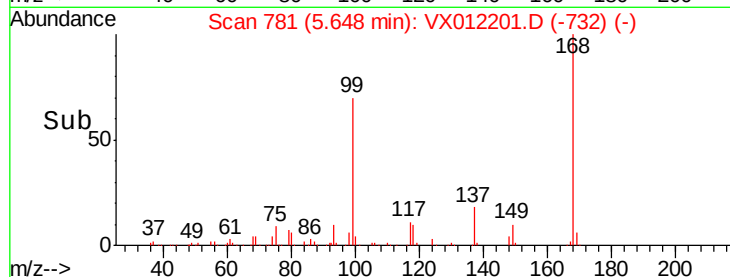
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.016 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012201.D

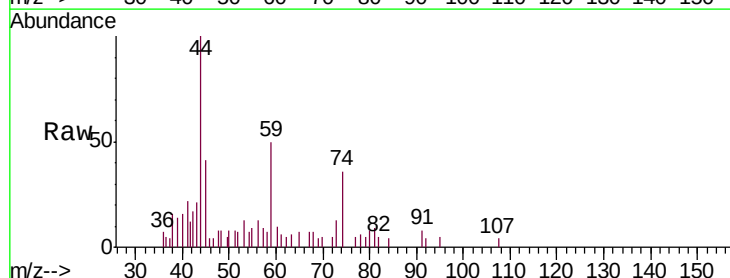
Acq: 08 Sep 2019 04:52

Tgt Ion: 74 Resp: 720

Ion Ratio Lower Upper

74 100

45 114.6 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

500

400

300

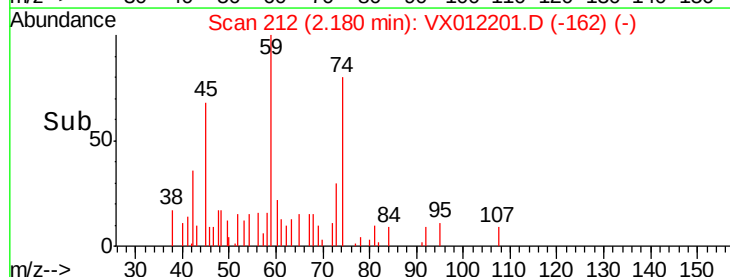
200

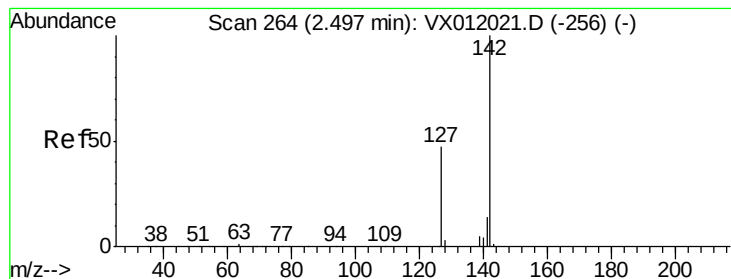
100

0

Time-->

2.15 2.20





#10

Methyl Iodide

Concen: 7.025 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012201.D

Acq: 08 Sep 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

TP-1

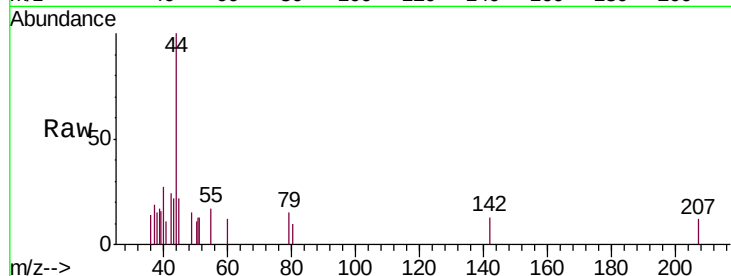
Tgt Ion: 142 Resp: 66

Ion Ratio Lower Upper

142 100

127 71.2 35.4 53.2#

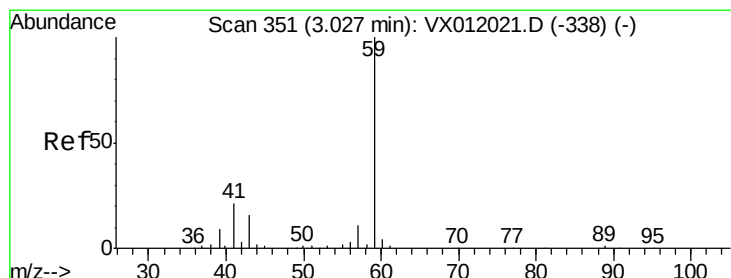
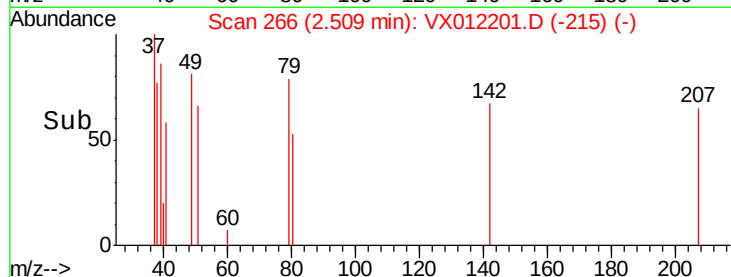
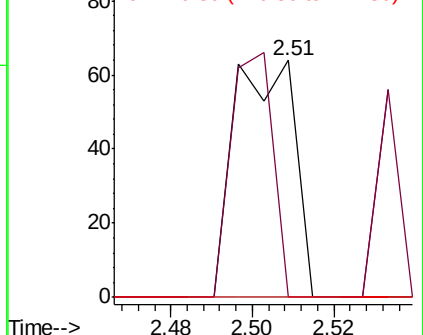
141 0.0 11.4 17.2#



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: 3.773 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX012201.D

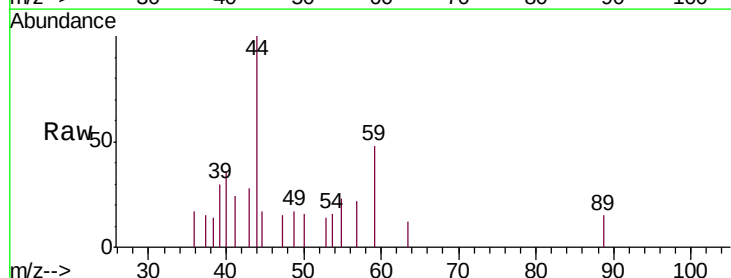
Acq: 08 Sep 2019 04:52

Tgt Ion: 59 Resp: 743

Ion Ratio Lower Upper

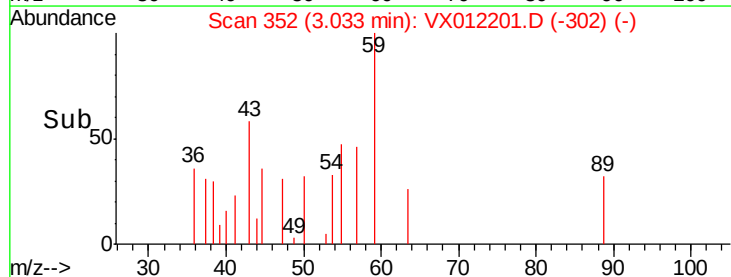
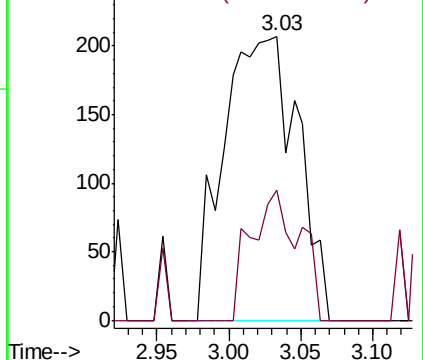
59 100

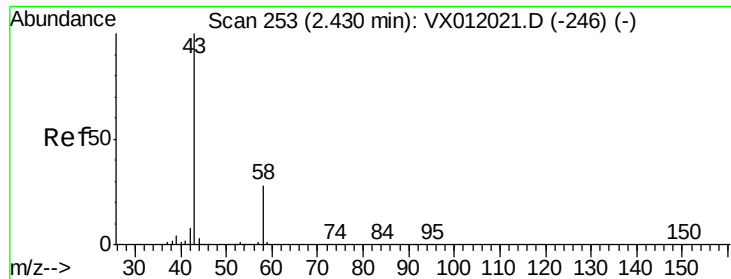
57 30.1 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.703 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012201.D

Acq: 08 Sep 2019 04:52

Instrument :

MSVOA_X

ClientSampled :

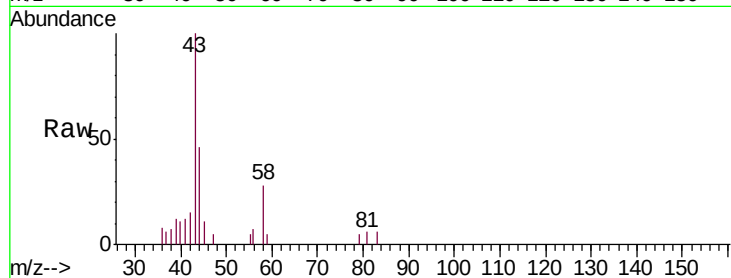
TP-1

Tgt Ion: 43 Resp: 1815

Ion Ratio Lower Upper

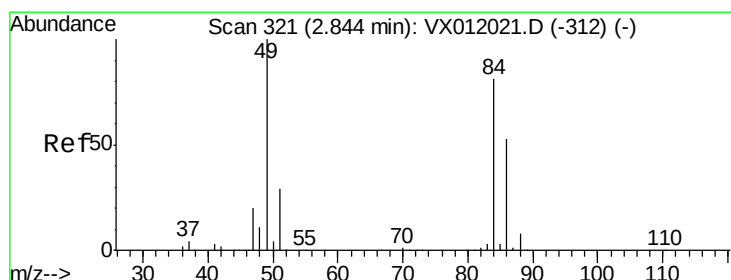
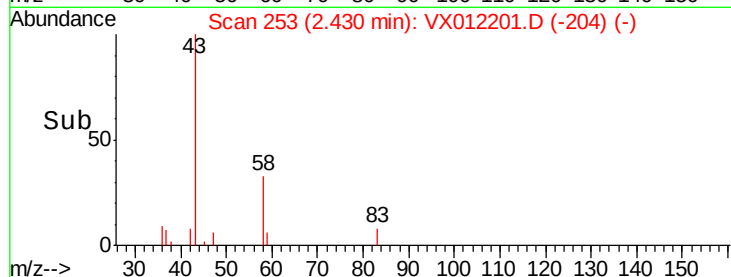
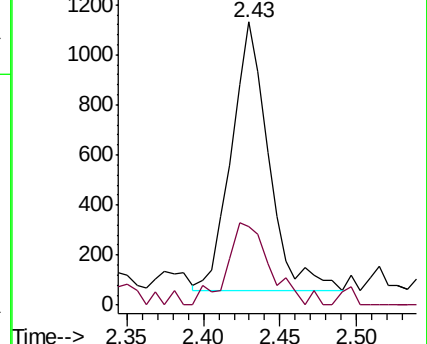
43 100

58 29.3 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 2.627 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012201.D

Acq: 08 Sep 2019 04:52

Tgt Ion: 84 Resp: 5170

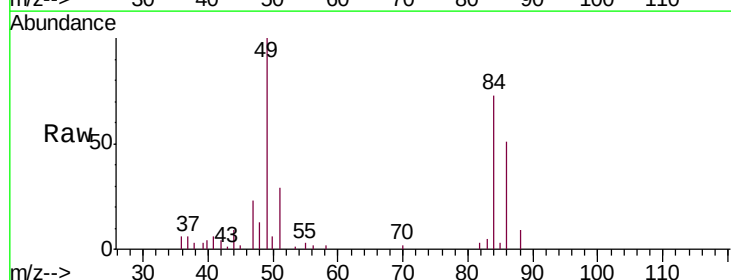
Ion Ratio Lower Upper

84 100

49 137.7 95.8 143.8

51 40.2 28.6 43.0

86 70.2 50.9 76.3

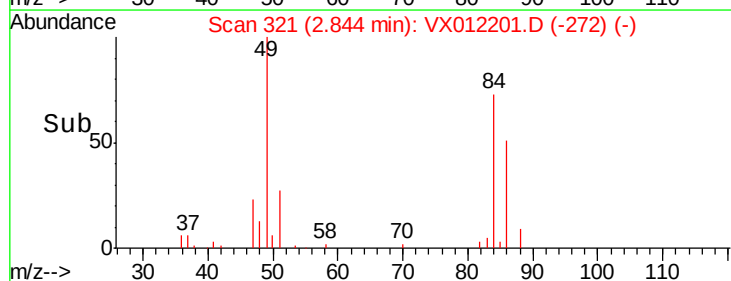
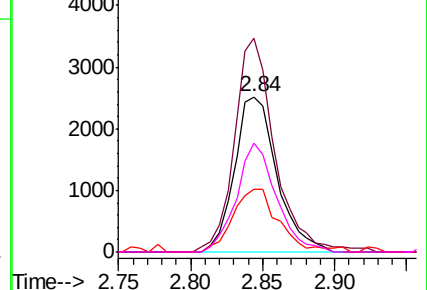


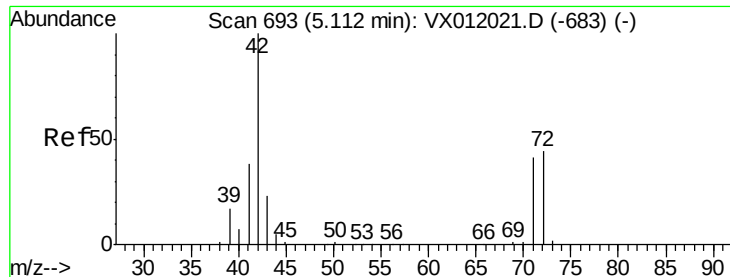
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 10.687 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012201.D

Acq: 08 Sep 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

TP-1

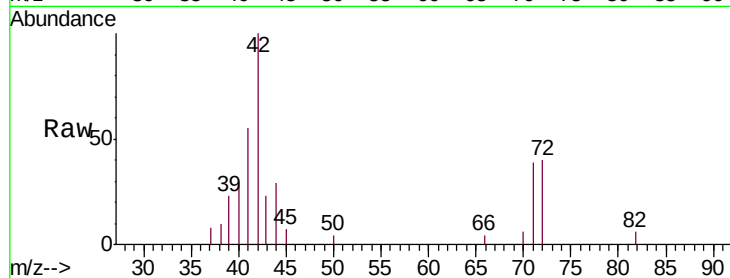
Tgt Ion: 42 Resp: 4017

Ion Ratio Lower Upper

42 100

72 44.7 37.0 55.4

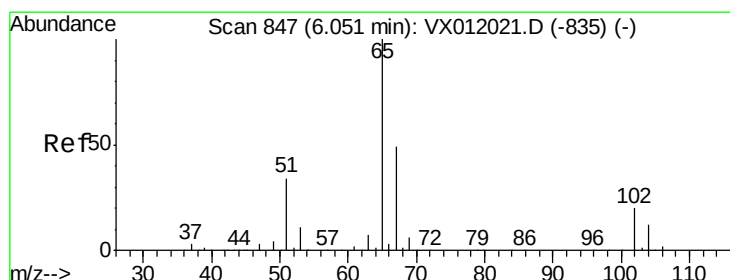
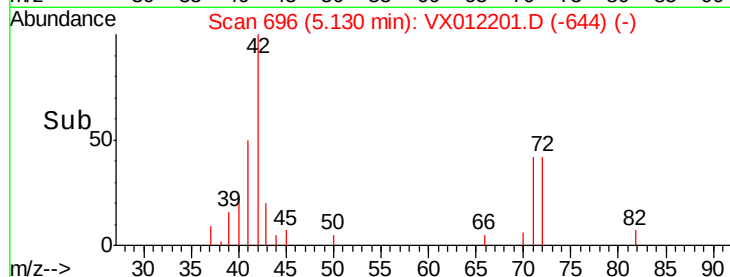
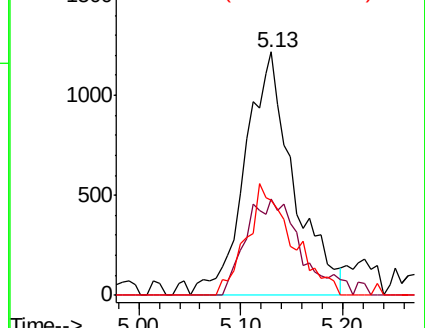
71 42.9 33.8 50.8



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



#33

1,2-Dichloroethane-d4

Concen: 48.540 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012201.D

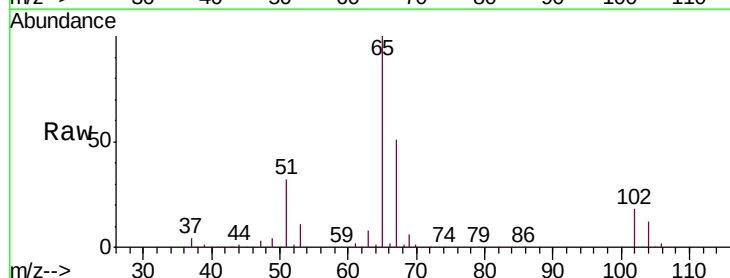
Acq: 08 Sep 2019 04:52

Tgt Ion: 65 Resp: 99530

Ion Ratio Lower Upper

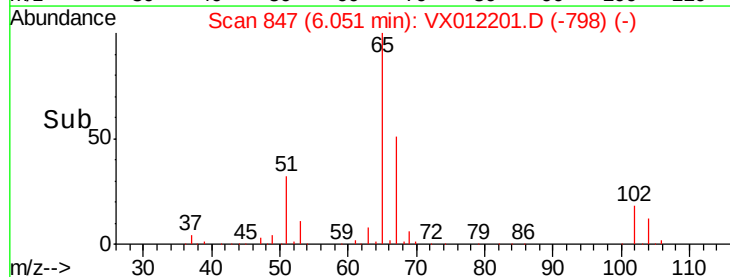
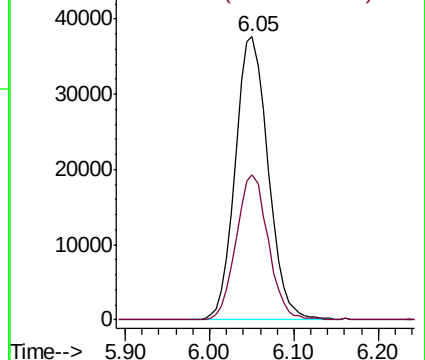
65 100

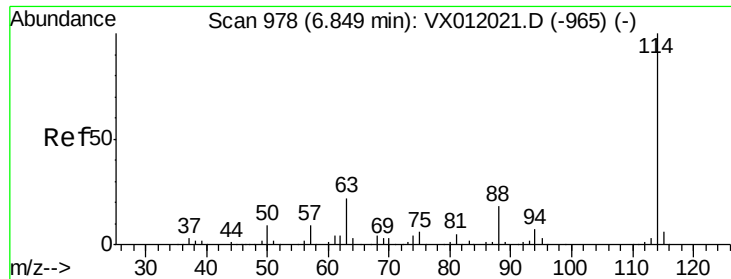
67 50.1 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

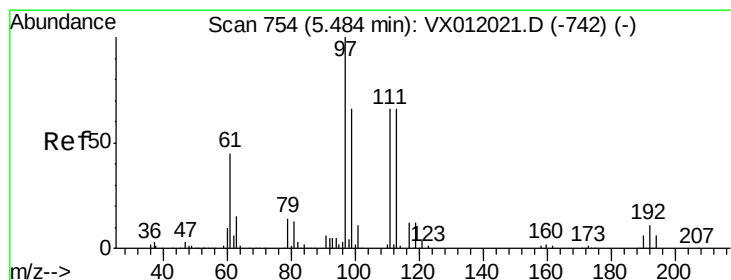
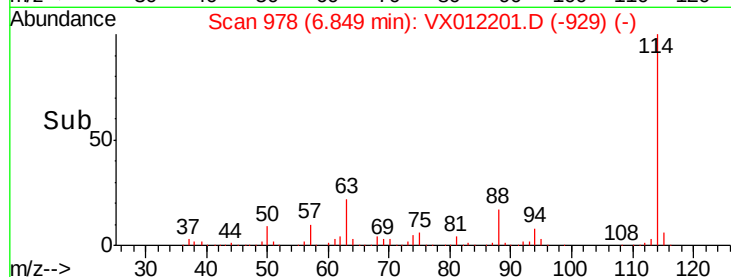
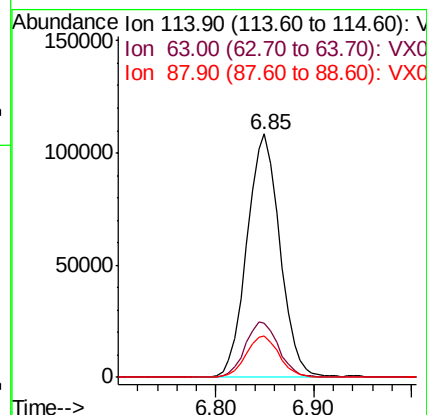
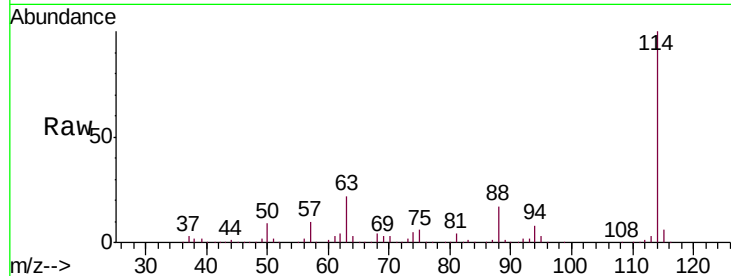




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012201.D
 Acq: 08 Sep 2019 04:52

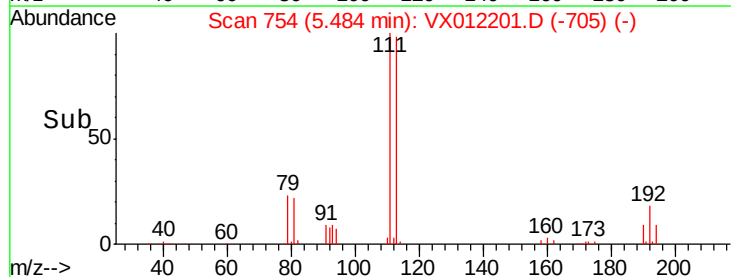
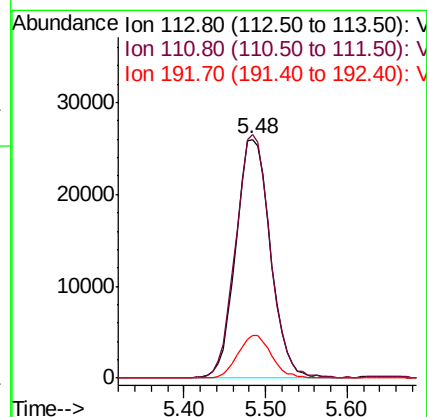
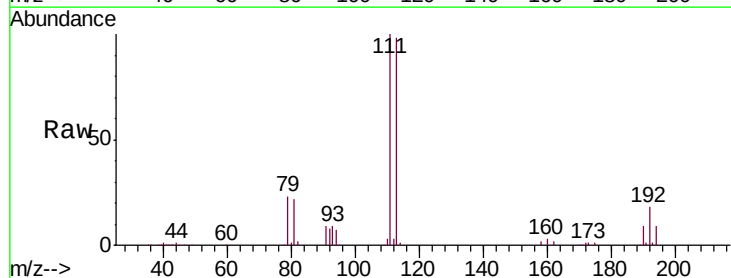
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

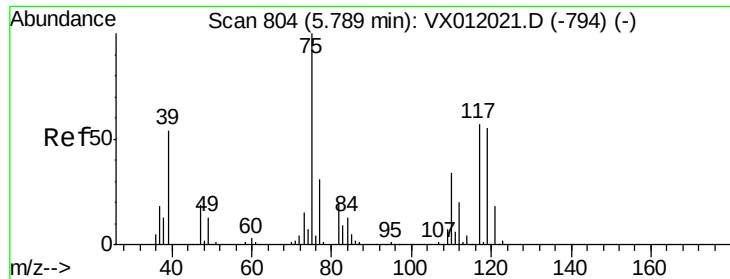
Tgt Ion:114 Resp: 253923
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 37.4
 88 17.2 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 48.811 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012201.D
 Acq: 08 Sep 2019 04:52

Tgt Ion:113 Resp: 76221
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.7 122.5
 192 17.3 22.5 33.7#

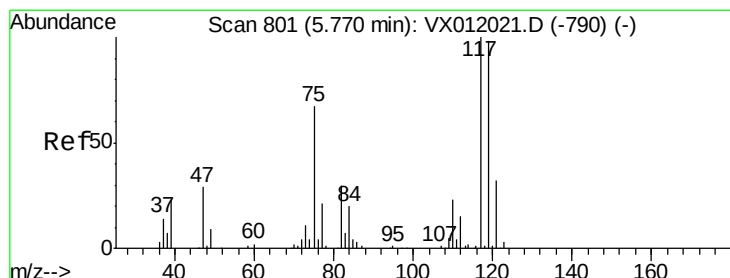
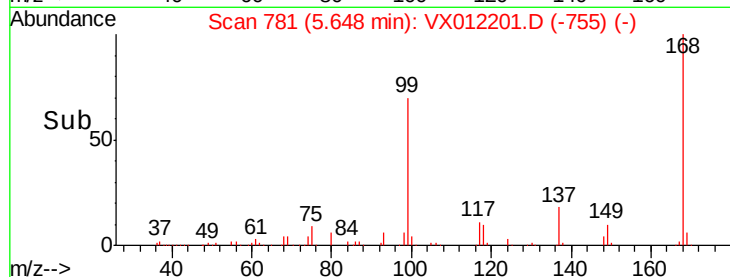
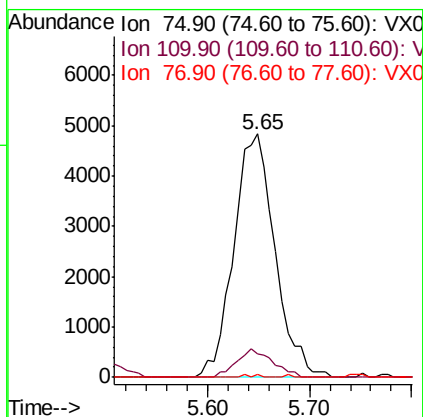
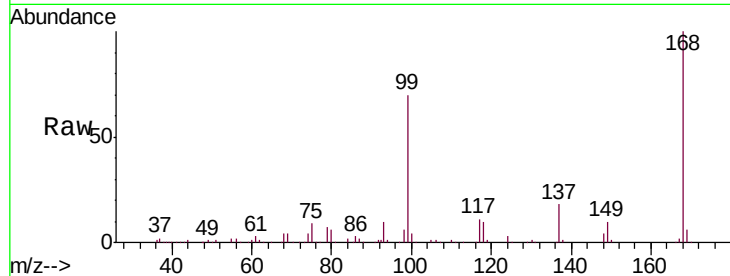




#36
 1,1-Dichloropropene
 Concen: 6.046 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012201.D
 Acq: 08 Sep 2019 04:52

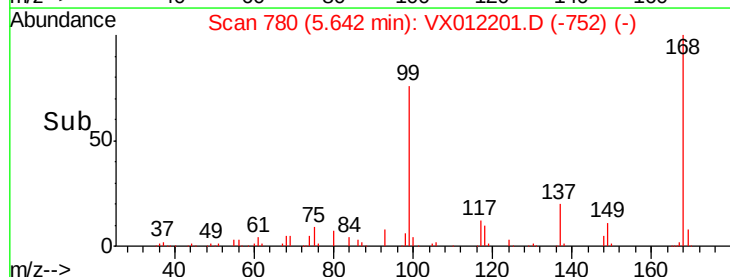
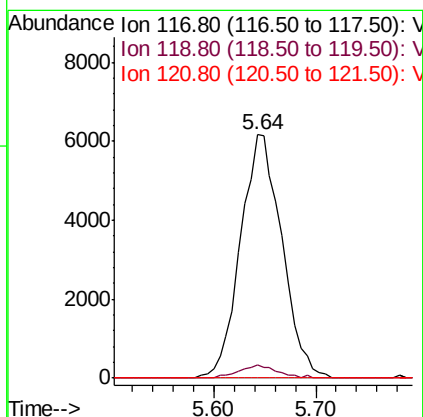
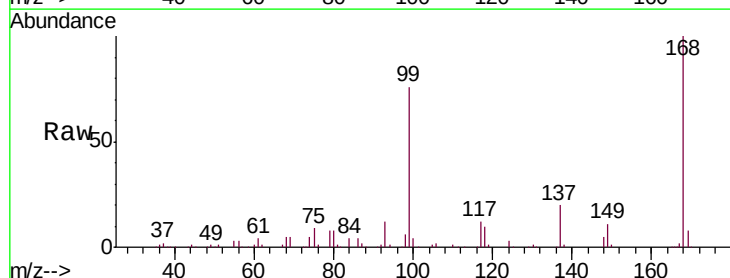
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

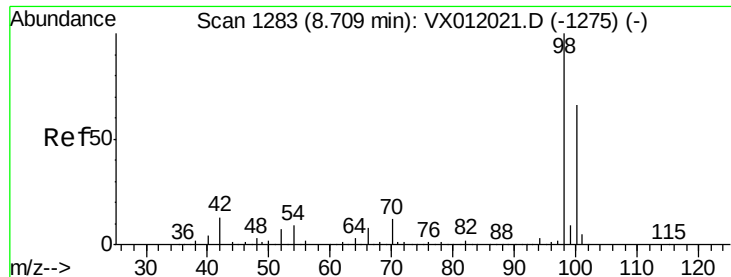
Tgt Ion: 75 Resp: 13522
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.5 58.5#
 77 0.3 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.365 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012201.D
 Acq: 08 Sep 2019 04:52

Tgt Ion: 117 Resp: 17357
 Ion Ratio Lower Upper
 117 100
 119 5.4 78.3 117.5#
 121 0.0 24.2 36.2#

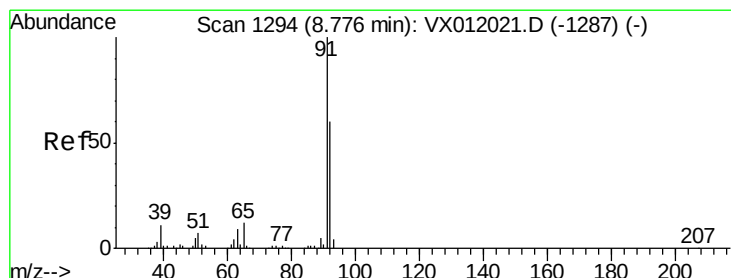
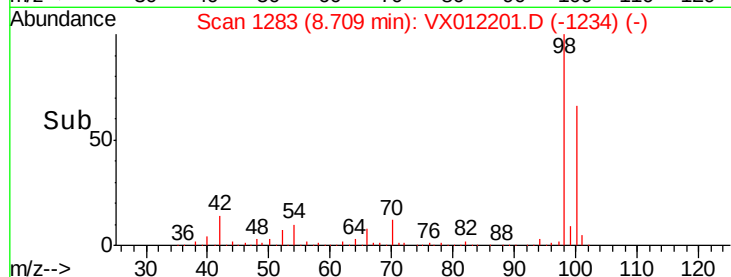
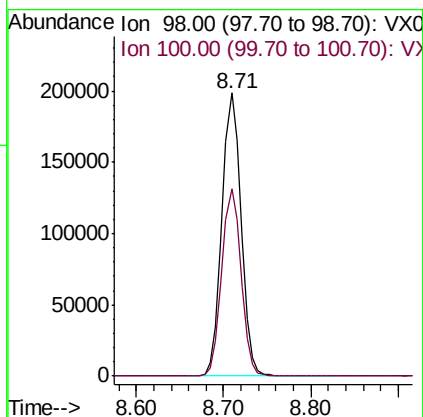
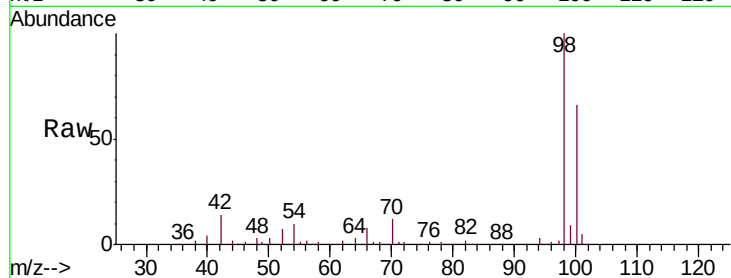




#50
Toluene-d8
Concen: 52.738 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012201.D
Acq: 08 Sep 2019 04:52

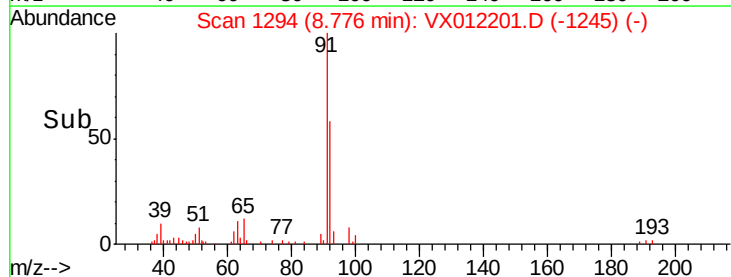
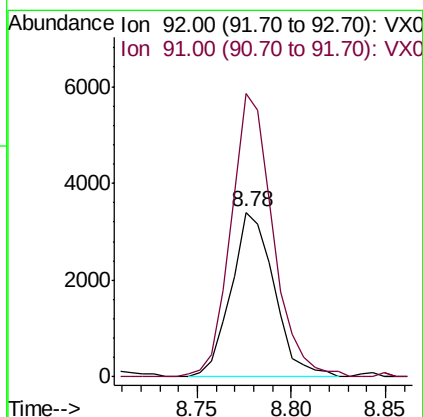
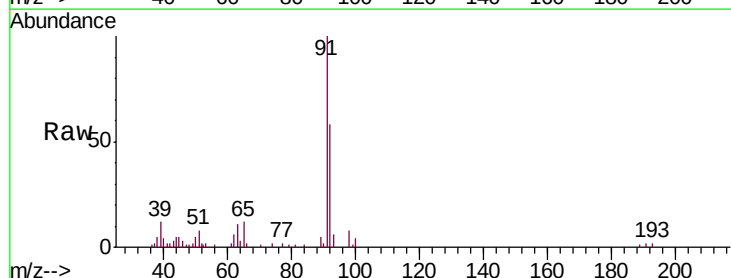
Instrument :
MSVOA_X
ClientSampleId :
TP-1

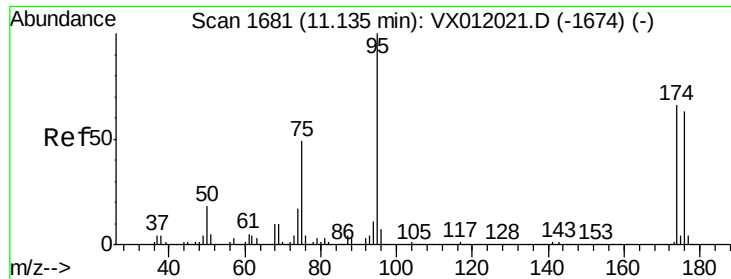
Tgt Ion: 98 Resp: 302198
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#52
Toluene
Concen: 1.291 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012201.D
Acq: 08 Sep 2019 04:52

Tgt Ion: 92 Resp: 5393
Ion Ratio Lower Upper
92 100
91 167.5 136.0 204.0

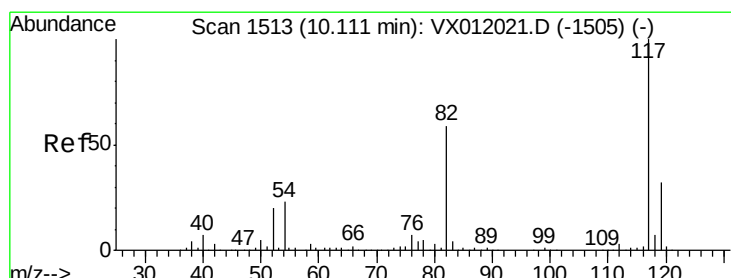
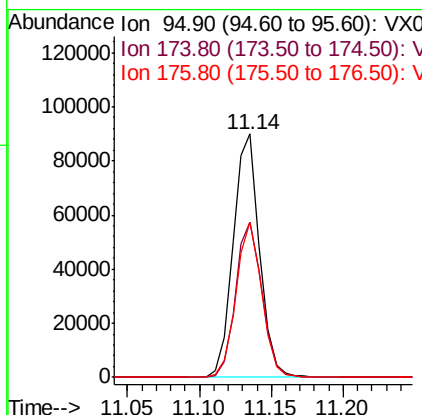
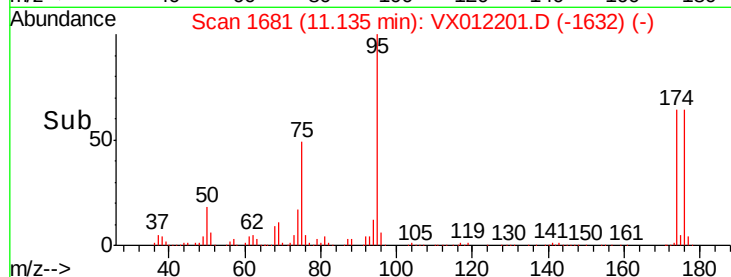
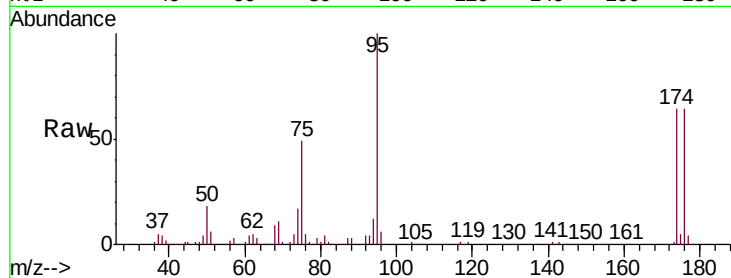




#62
4-Bromofluorobenzene
Concen: 43.190 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012201.D
Acq: 08 Sep 2019 04:52

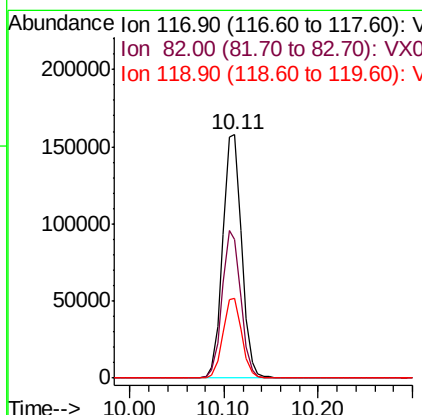
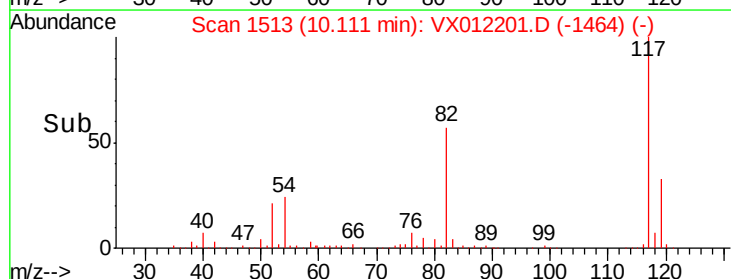
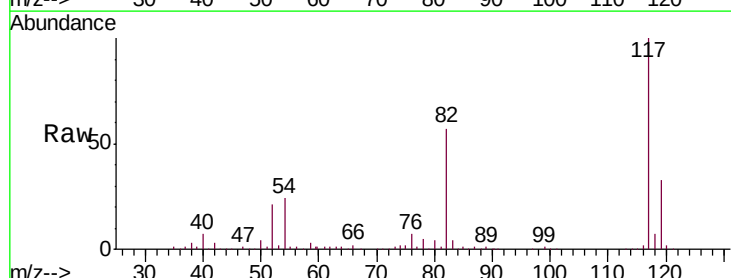
Instrument :
MSVOA_X
ClientSampleId :
TP-1

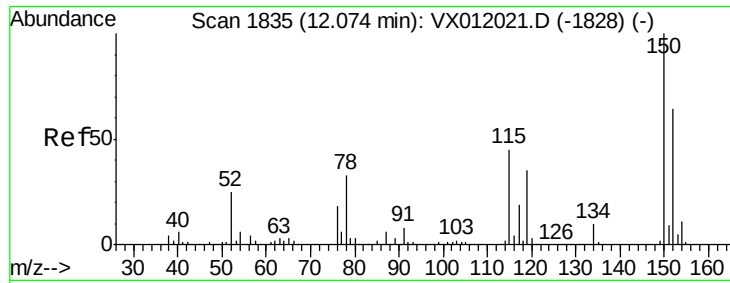
Tgt Ion: 95 Resp: 115096
Ion Ratio Lower Upper
95 100
174 63.6 0.0 205.4
176 61.9 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012201.D
Acq: 08 Sep 2019 04:52

Tgt Ion: 117 Resp: 219234
Ion Ratio Lower Upper
117 100
82 56.9 39.4 59.0
119 32.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012201.D

Acq: 08 Sep 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

TP-1

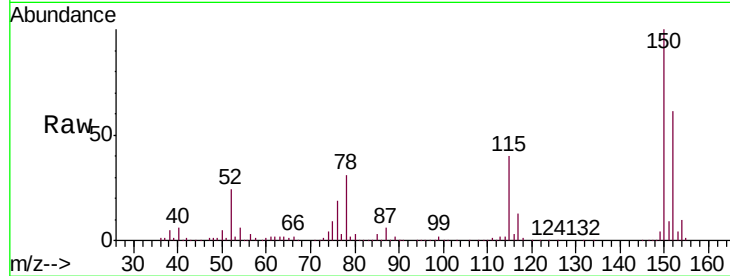
Tgt Ion:152 Resp: 90313

Ion Ratio Lower Upper

152 100

115 65.3 36.4 109.3

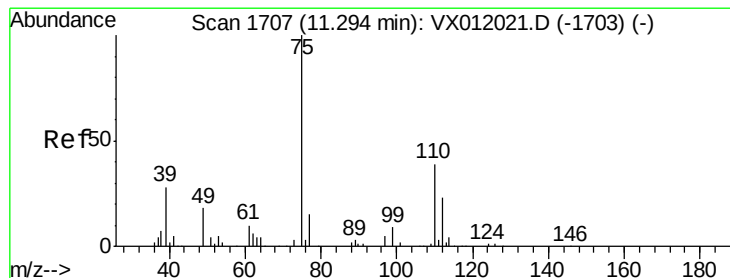
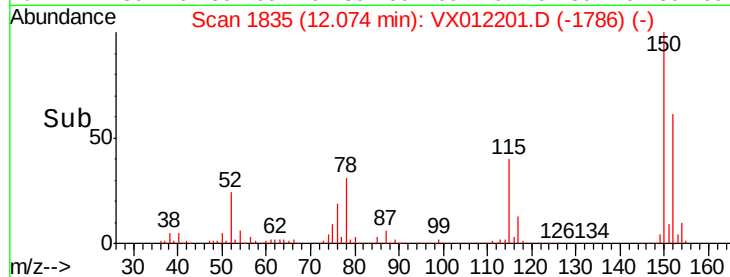
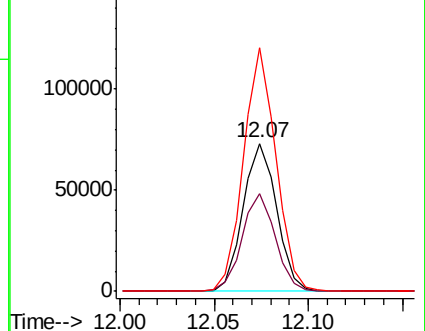
150 159.3 0.0 341.2



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: 54.560 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012201.D

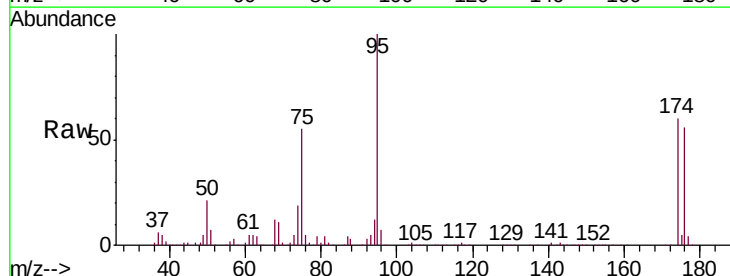
Acq: 08 Sep 2019 04:52

Tgt Ion: 75 Resp: 60206

Ion Ratio Lower Upper

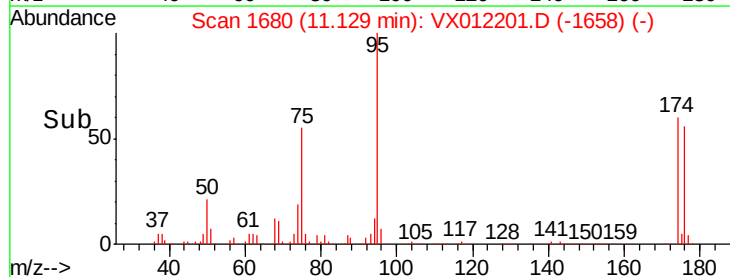
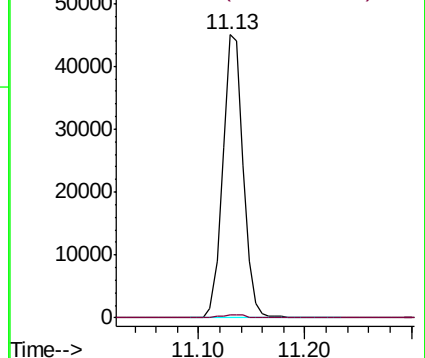
75 100

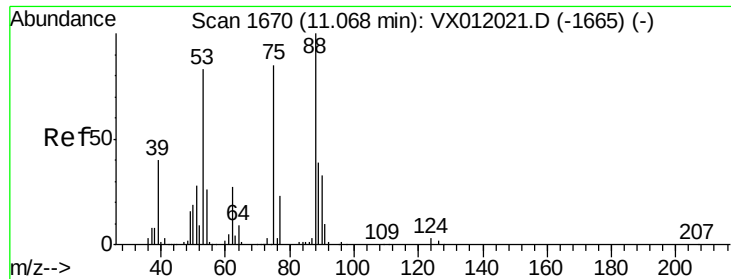
77 1.4 23.5 70.5#



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: 128.988 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012201.D
 Acq: 08 Sep 2019 04:52

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 60206
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.0 38.8 58.2#

