

Data File : VX012204.D
Acq On : 08 Sep 2019 06:15
Operator : SY/SP
Sample : K4650-07
Misc : 5.75g/5.0mL/MSVOA_X/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-4

Quant Time: Sep 08 07:51:48 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	146364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	250875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	99875	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	5.48	113	74554	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.71	98	296920	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.14	95	117259	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	

Target Compounds

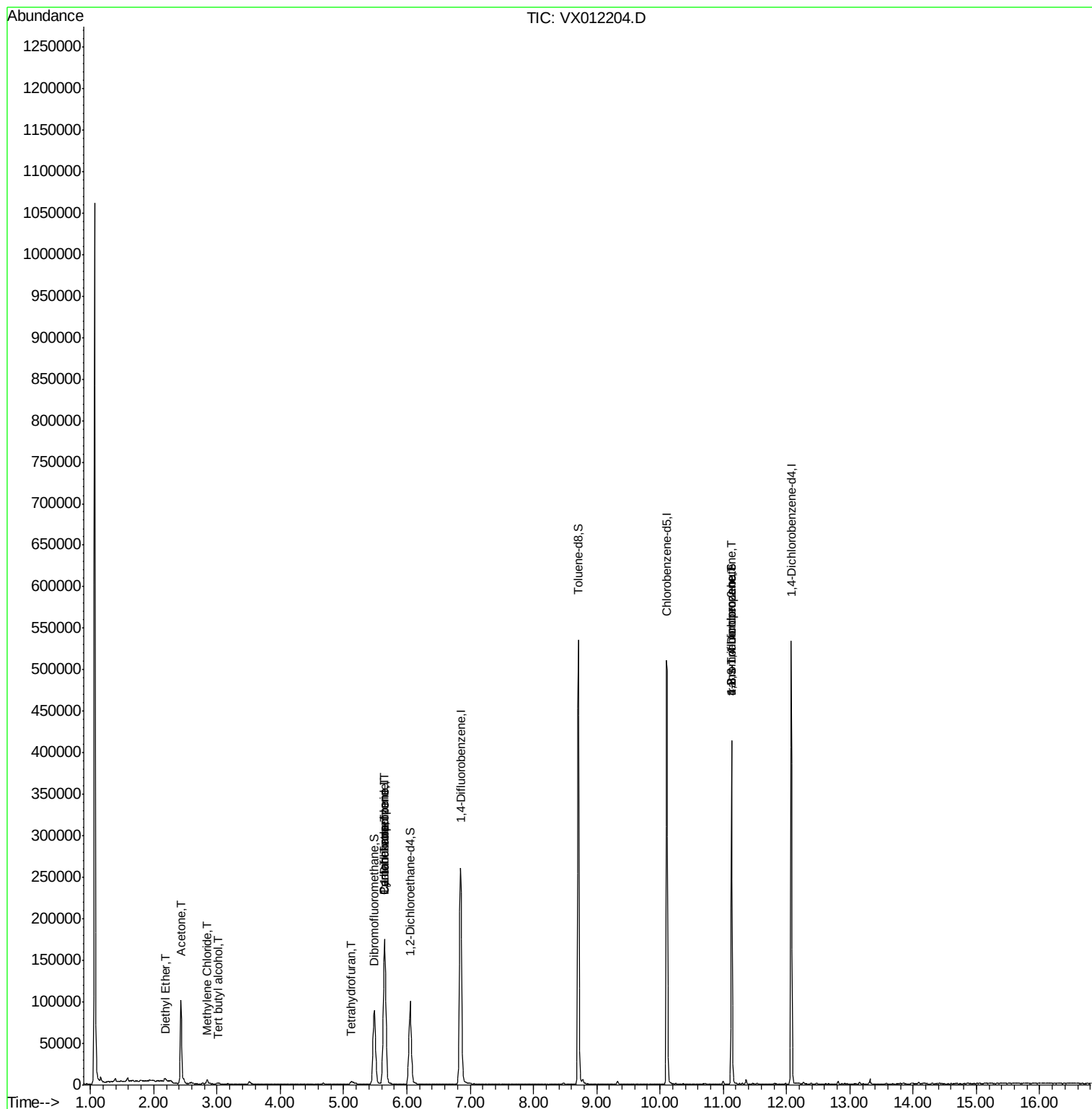
					Qvalue	
8) Diethyl Ether	2.18	74	929	1.331	ug/l	97
11) Tert butyl alcohol	3.02	59	762	3.928	ug/l #	91
13) Acrolein	2.28	56	155	Below Cal	#	1
16) Acetone	2.43	43	108094	223.931	ug/l	99
20) Methylene Chloride	2.84	84	2208	1.139	ug/l	93
29) Tetrahydrofuran	5.13	42	3352	9.054	ug/l	94
31) Cyclohexane	5.65	56	4058	1.639	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13121	5.938	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17318	7.438	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	62216	53.230	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	62216	125.843	ug/l #	10

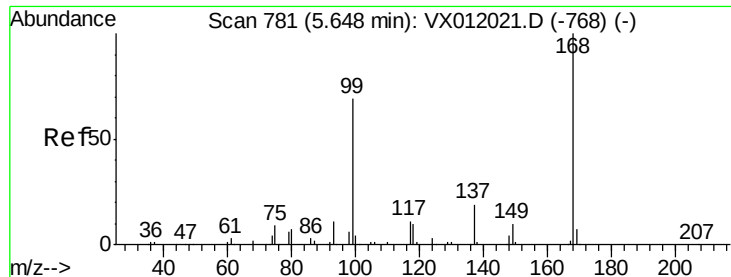
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012204.D

Acq: 08 Sep 2019 06:15

Instrument :

MSVOA_X

ClientSampled :

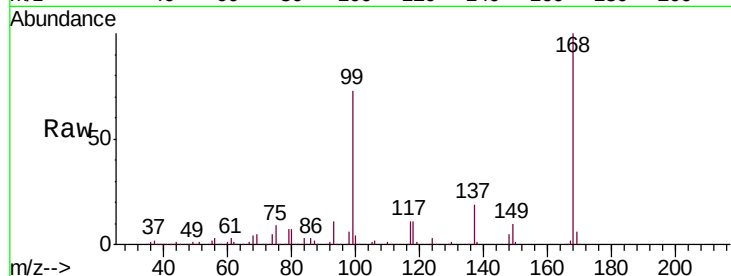
TP-4

Tgt Ion: 168 Resp: 146364

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

5.65

60000

50000

40000

30000

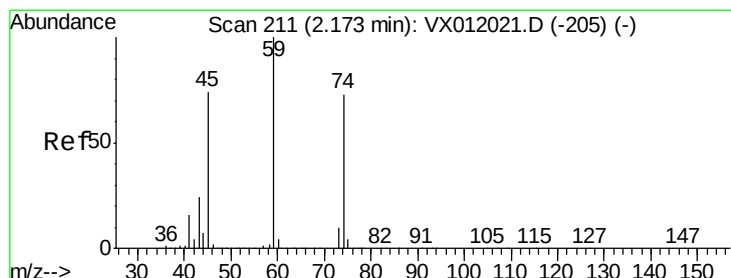
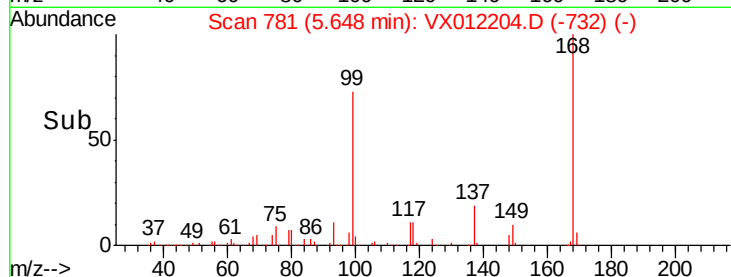
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.331 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012204.D

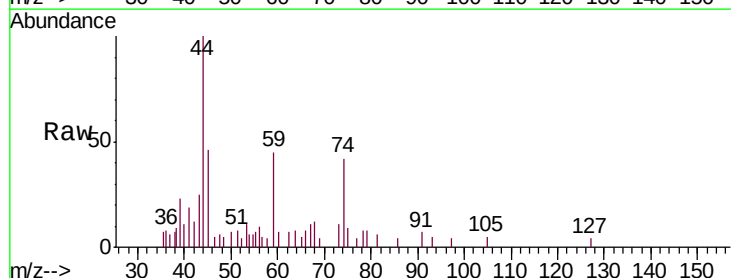
Acq: 08 Sep 2019 06:15

Tgt Ion: 74 Resp: 929

Ion Ratio Lower Upper

74 100

45 89.1 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

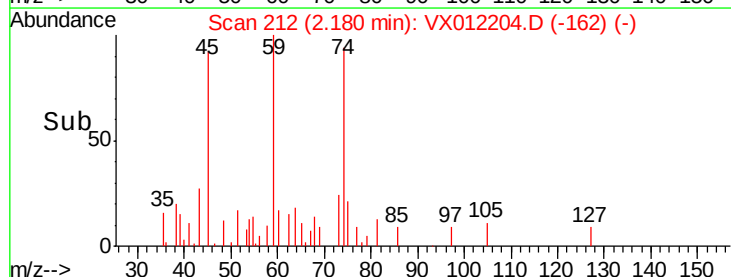
400

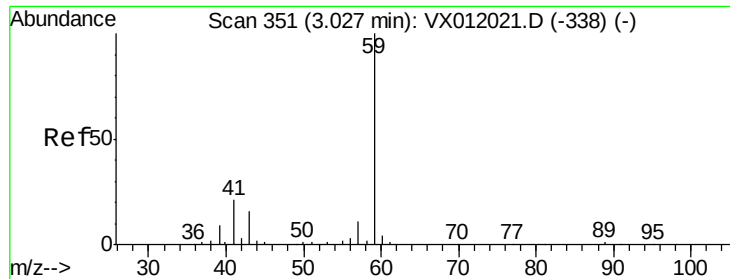
200

0

Time-->

2.15 2.20

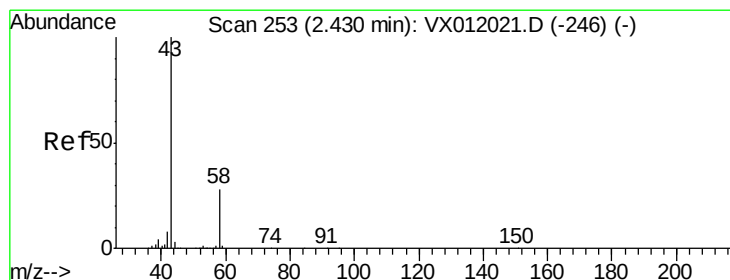
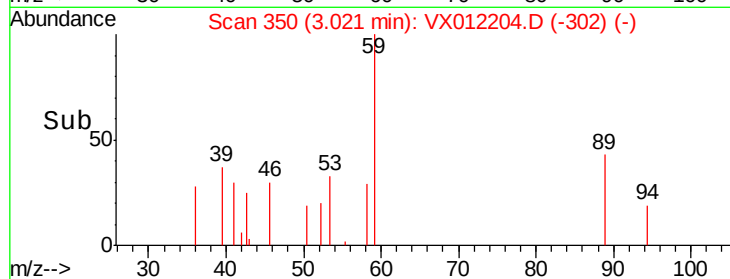
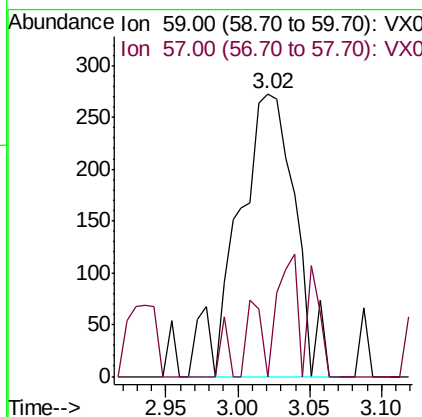
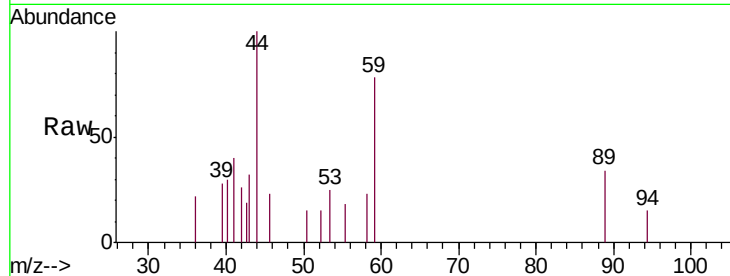




#11
Tert butyl alcohol
Concen: 3.928 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

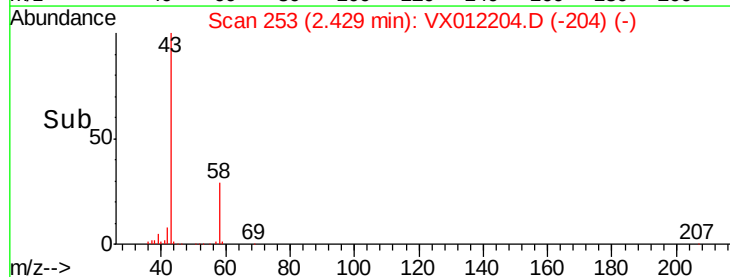
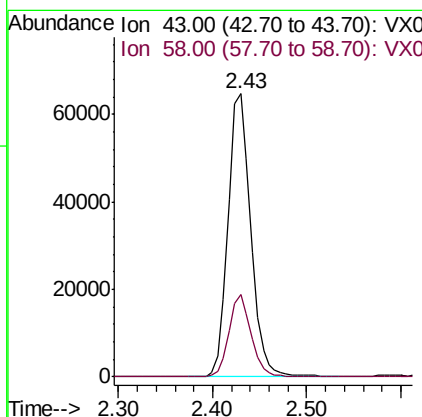
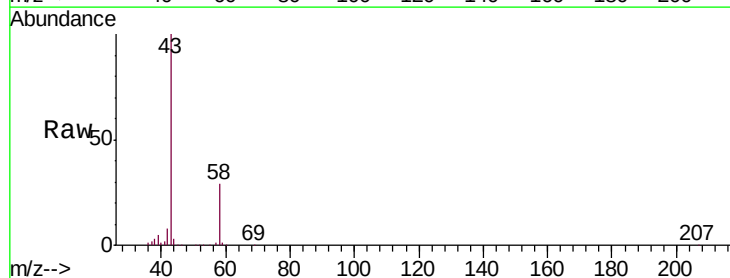
Instrument :
MSVOA_X
ClientSampled :
TP-4

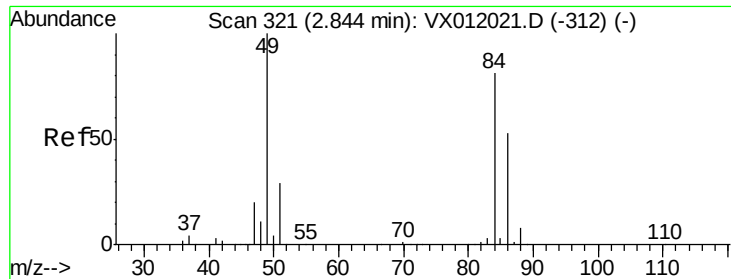
Tgt Ion: 59 Resp: 762
Ion Ratio Lower Upper
59 100
57 6.7 7.9 11.9#



#16
Acetone
Concen: 223.931 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

Tgt Ion: 43 Resp: 108094
Ion Ratio Lower Upper
43 100
58 29.1 22.8 34.2

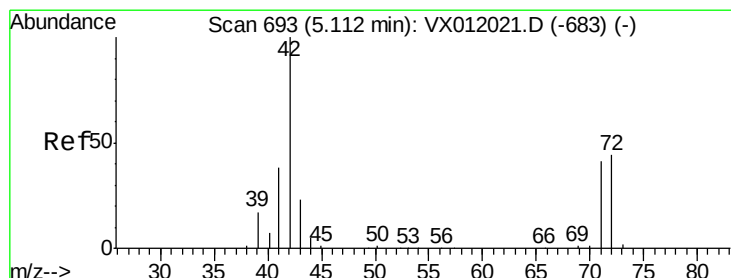
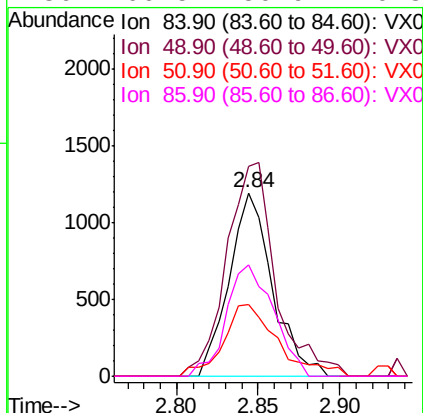
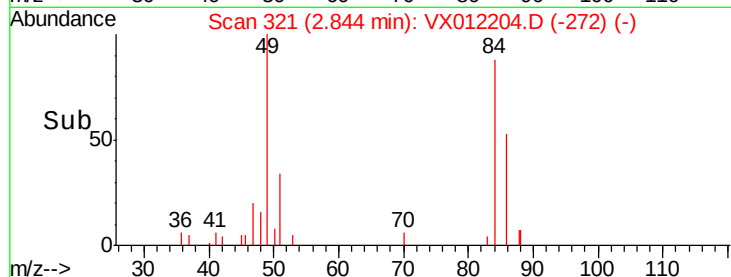
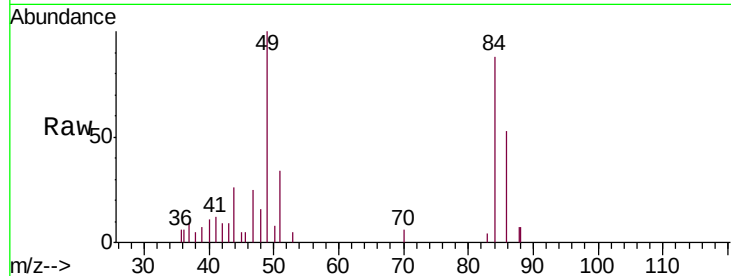




#20
Methylene Chloride
Concen: 1.139 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

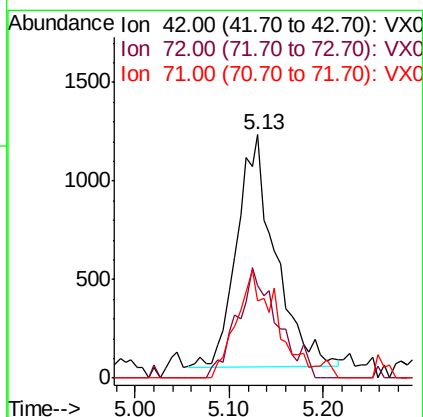
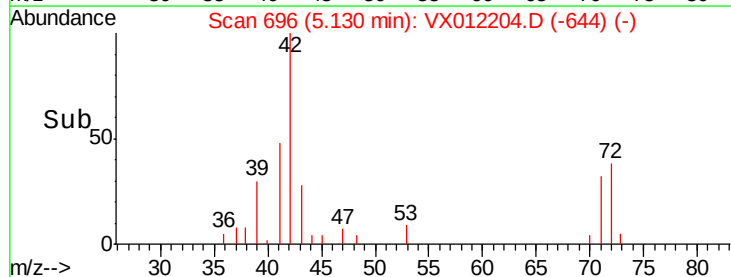
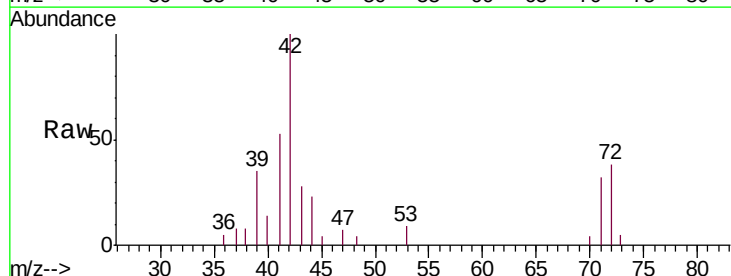
Instrument :
MSVOA_X
ClientSampled :
TP-4

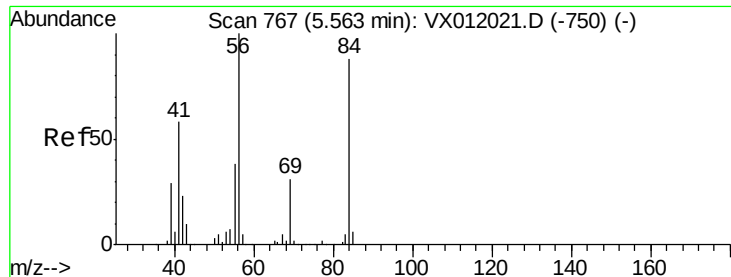
Tgt Ion: 84 Resp: 2208
Ion Ratio Lower Upper
84 100
49 109.0 95.8 143.8
51 34.4 28.6 43.0
86 60.5 50.9 76.3



#29
Tetrahydrofuran
Concen: 9.054 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

Tgt Ion: 42 Resp: 3352
Ion Ratio Lower Upper
42 100
72 47.5 37.0 55.4
71 49.3 33.8 50.8

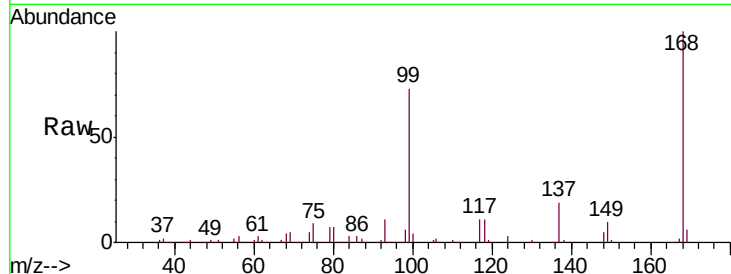




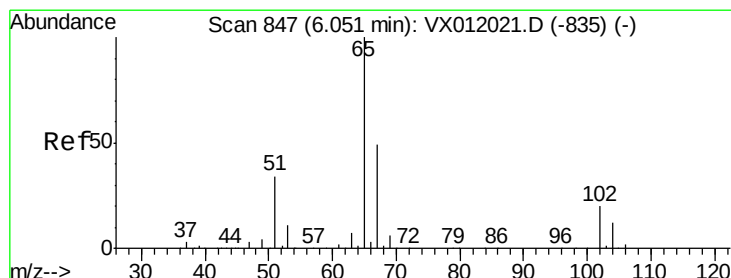
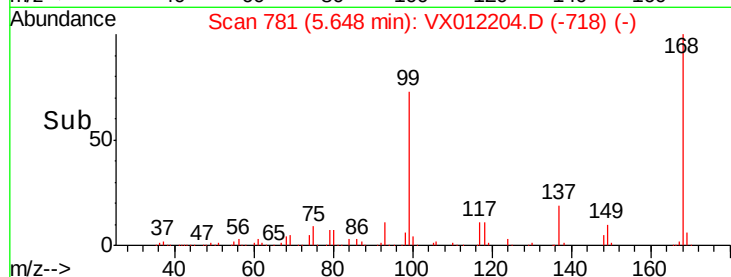
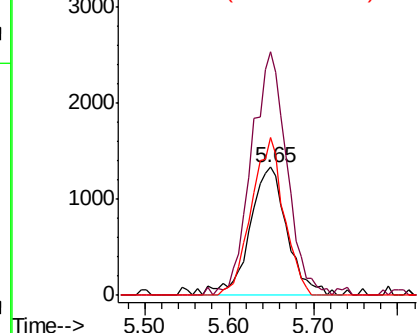
#31
Cyclohexane
Concen: 1.639 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

Instrument :
MSVOA_X
ClientSampled :
TP-4

Tgt Ion: 56 Resp: 4058
Ion Ratio Lower Upper
56 100
69 190.2 25.7 38.5#
84 123.4 70.3 105.5#

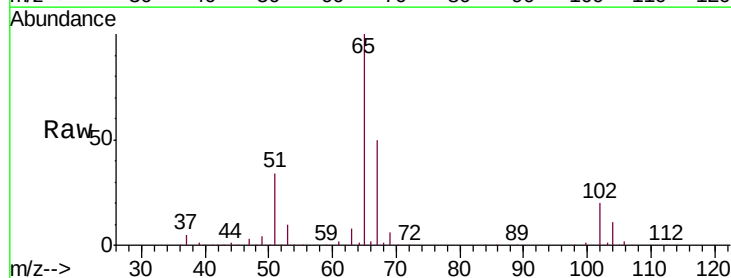


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

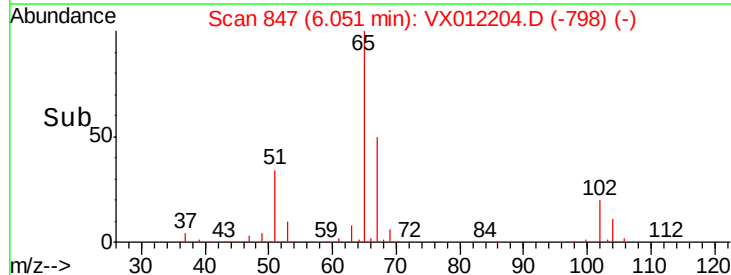
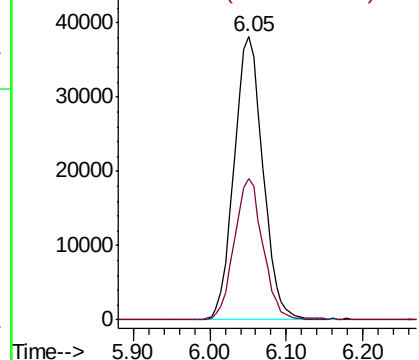


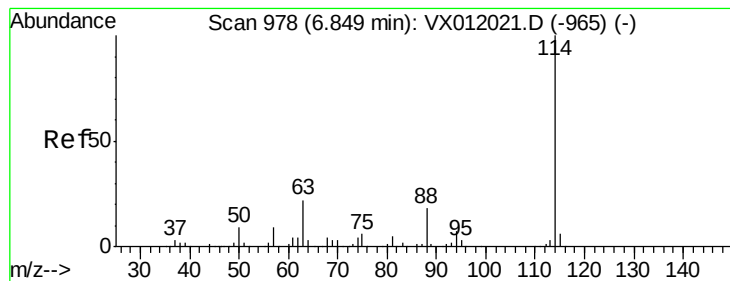
#33
1,2-Dichloroethane-d4
Concen: 49.455 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

Tgt Ion: 65 Resp: 99875
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: VX012204.D

Acq: 08 Sep 2019 06:15

Instrument :

MSVOA_X

ClientSampled :

TP-4

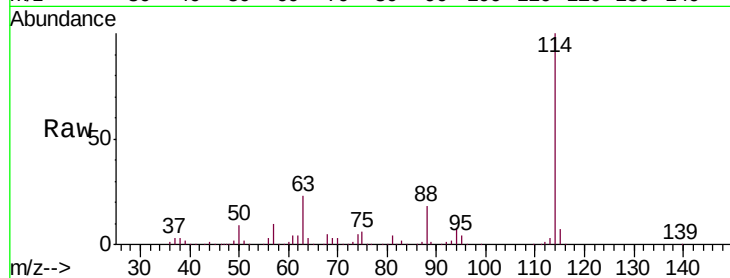
Tgt Ion:114 Resp: 250875

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.4

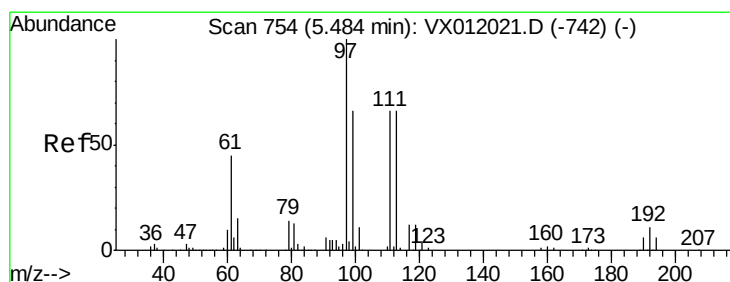
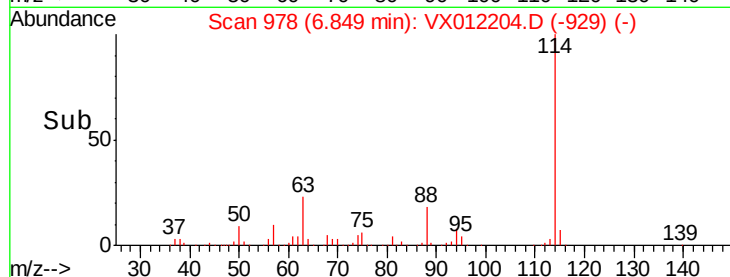
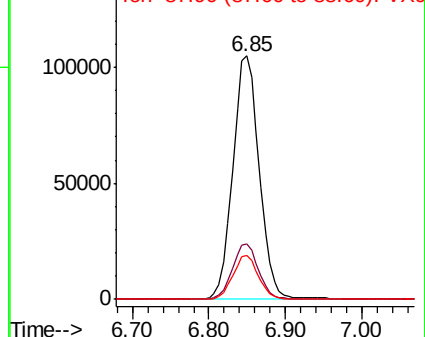
88 18.2 0.0 29.6



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: 48.324 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012204.D

Acq: 08 Sep 2019 06:15

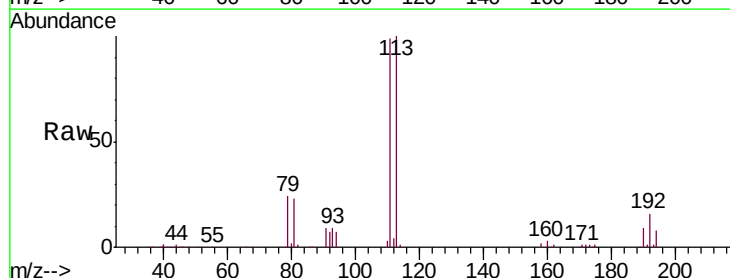
Tgt Ion:113 Resp: 74554

Ion Ratio Lower Upper

113 100

111 103.7 81.7 122.5

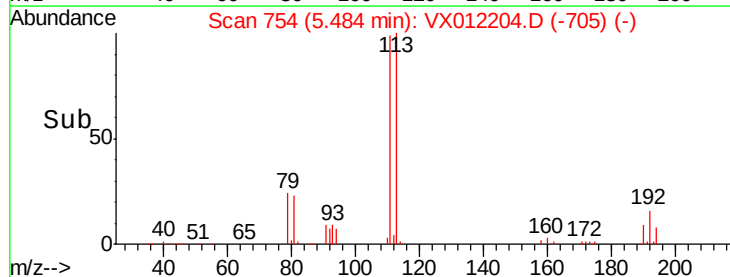
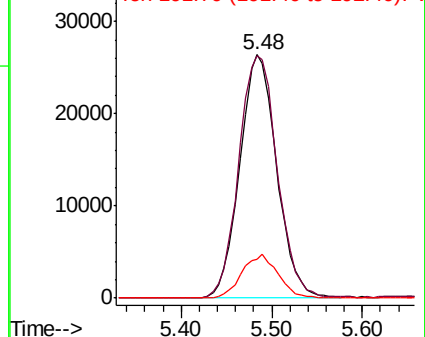
192 17.3 22.5 33.7#

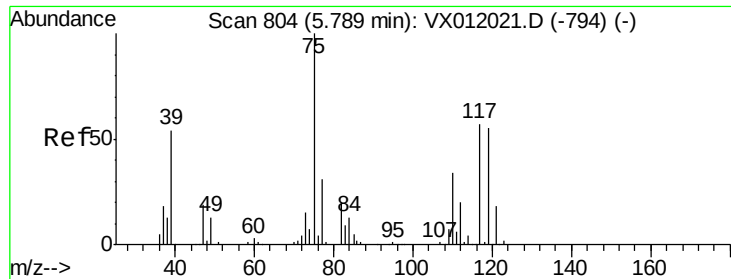


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

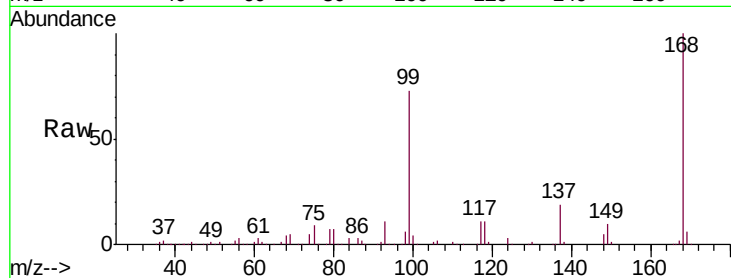




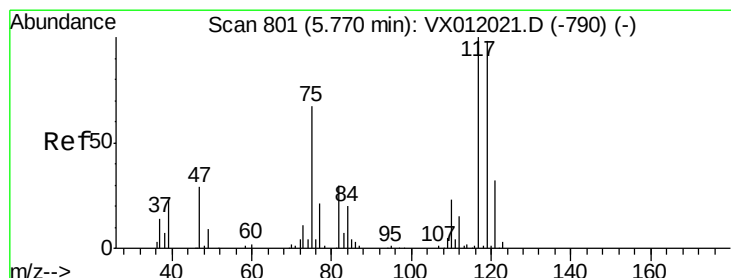
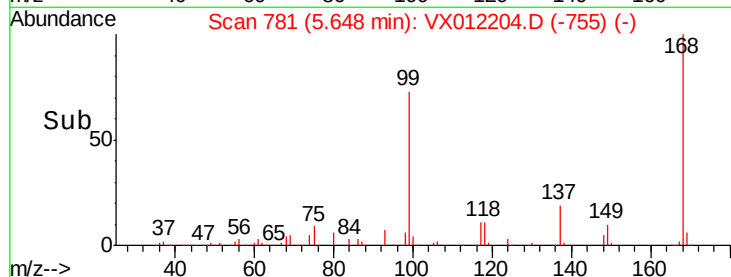
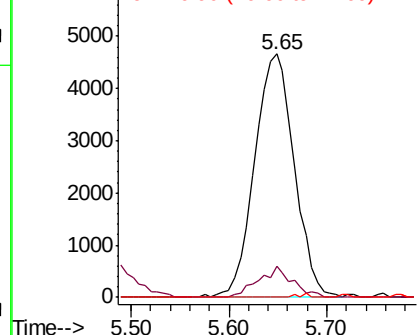
#36
 1,1-Dichloropropene
 Concen: 5.938 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012204.D
 Acq: 08 Sep 2019 06:15

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4

Tgt Ion: 75 Resp: 13121
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.5 58.5#
 77 0.1 24.6 37.0#

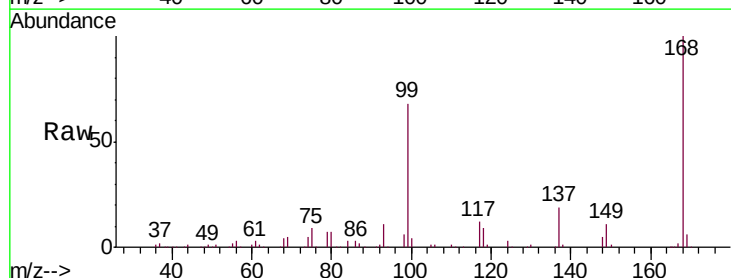


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

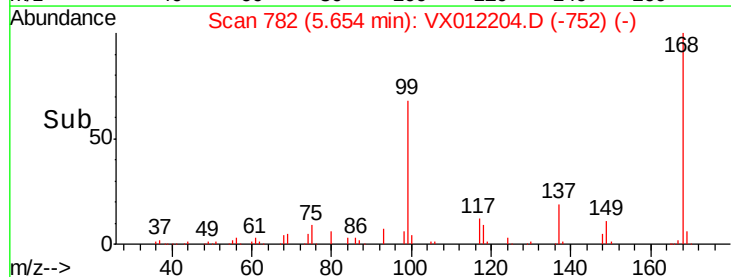
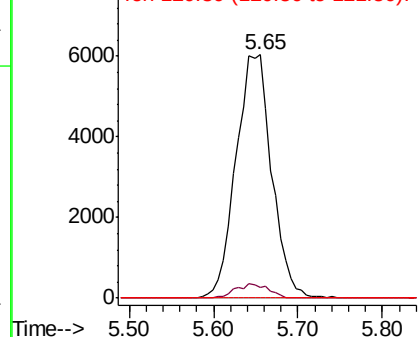


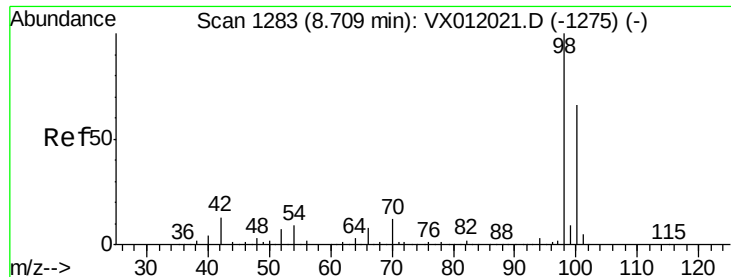
#38
 Carbon Tetrachloride
 Concen: 7.438 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012204.D
 Acq: 08 Sep 2019 06:15

Tgt Ion: 117 Resp: 17318
 Ion Ratio Lower Upper
 117 100
 119 4.4 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

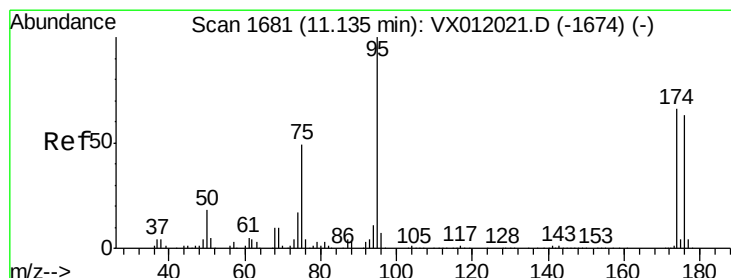
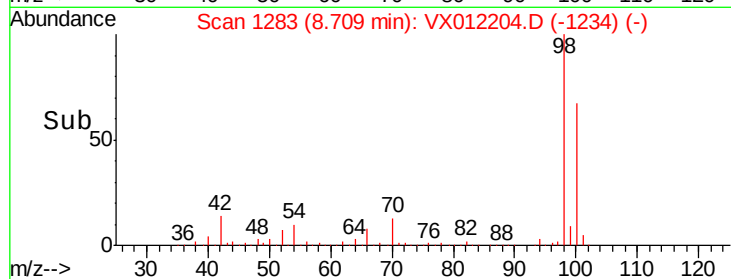
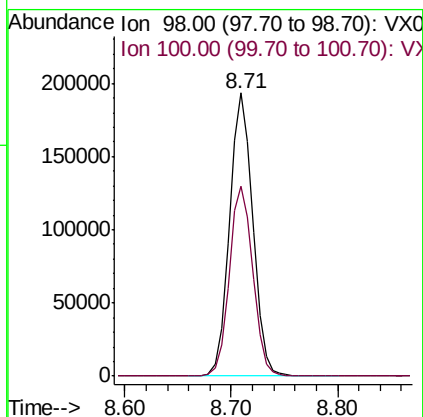
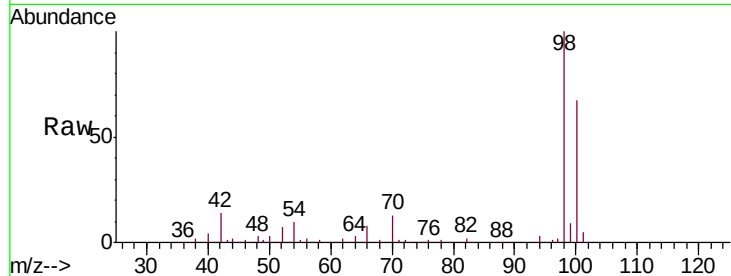




#50
Toluene-d8
Concen: 52.446 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

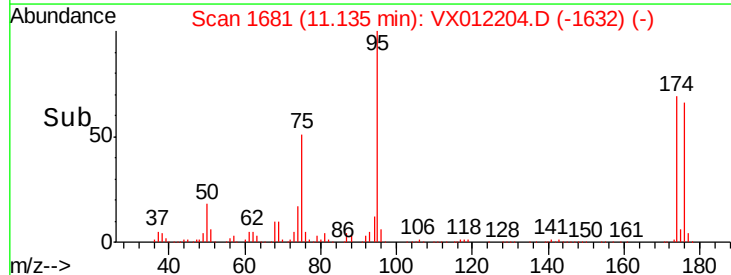
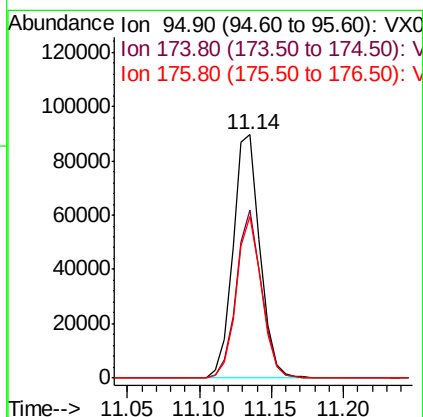
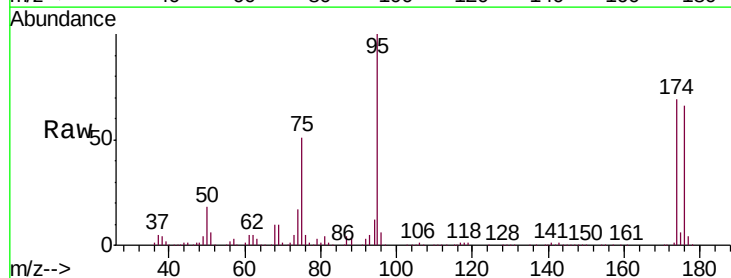
Instrument :
MSVOA_X
ClientSampleId :
TP-4

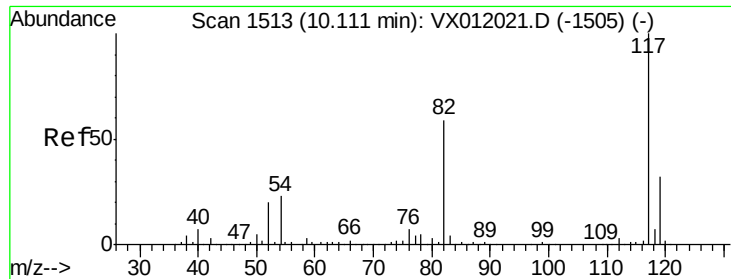
Tgt Ion: 98 Resp: 296920
Ion Ratio Lower Upper
98 100
100 67.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.536 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

Tgt Ion: 95 Resp: 117259
Ion Ratio Lower Upper
95 100
174 64.8 0.0 205.4
176 62.3 0.0 201.8

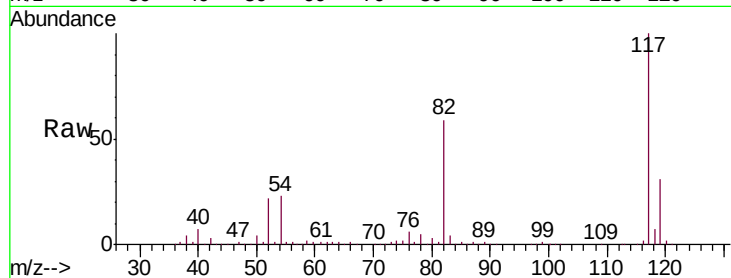




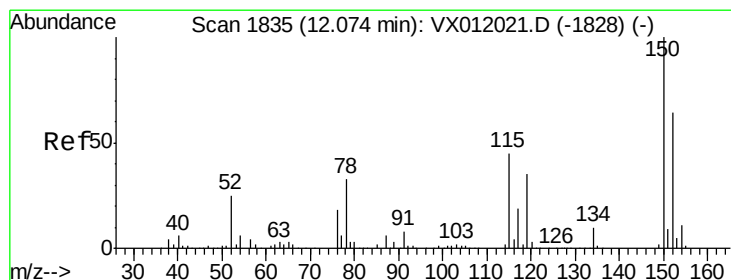
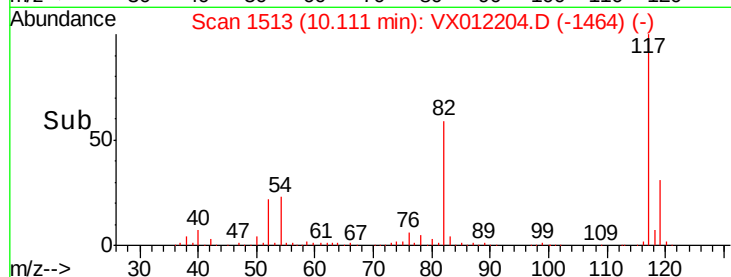
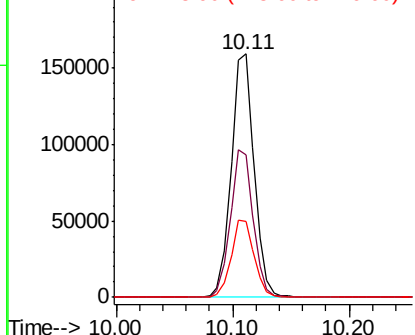
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

Instrument :
MSVOA_X
ClientSampled :
TP-4

Tgt Ion:117 Resp: 218119
Ion Ratio Lower Upper
117 100
82 58.6 39.4 59.0
119 31.3 26.1 39.1

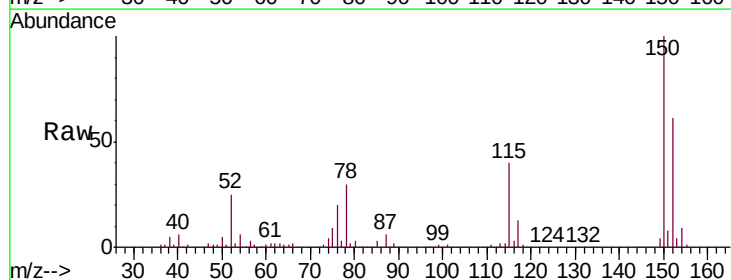


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

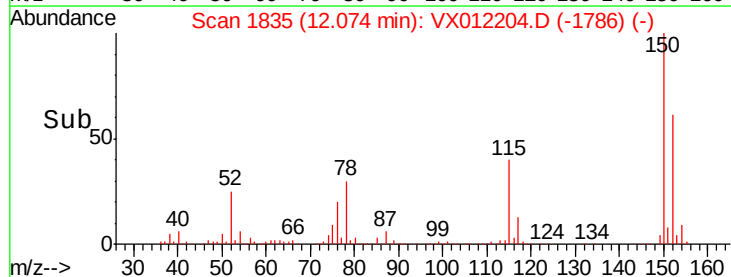
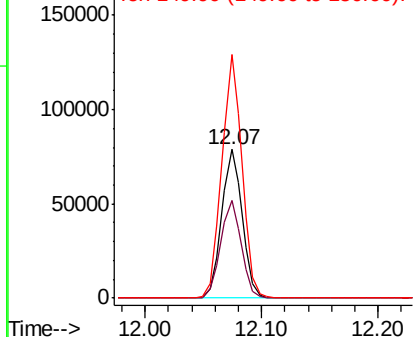


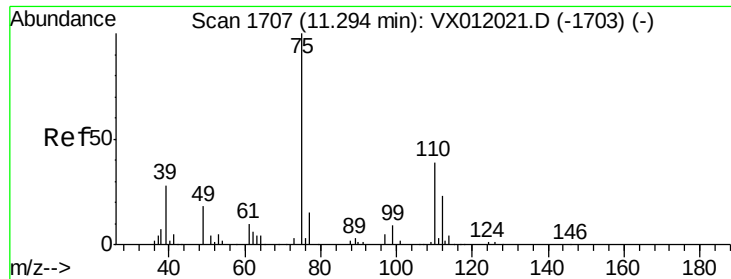
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012204.D
Acq: 08 Sep 2019 06:15

Tgt Ion:152 Resp: 95660
Ion Ratio Lower Upper
152 100
115 65.8 36.4 109.3
150 161.2 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: 53.230 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012204.D

Acq: 08 Sep 2019 06:15

Instrument :

MSVOA_X

ClientSampleId :

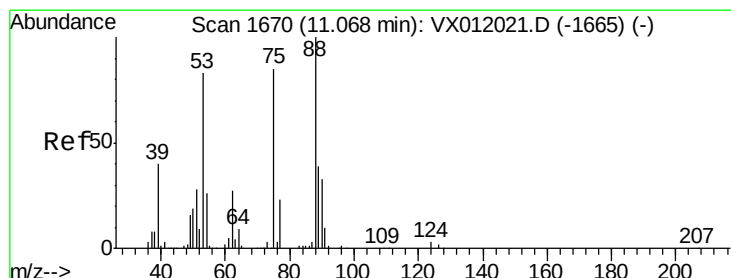
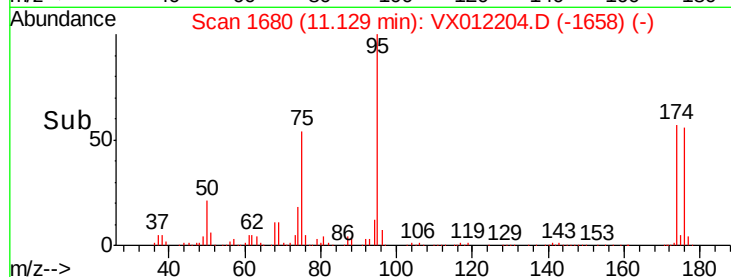
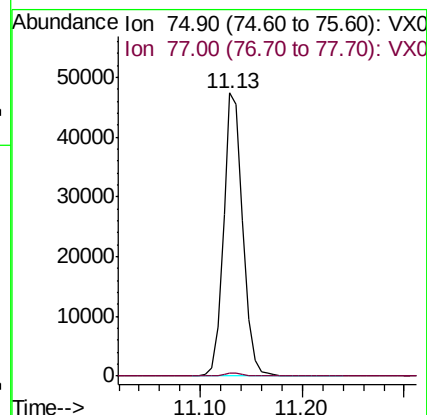
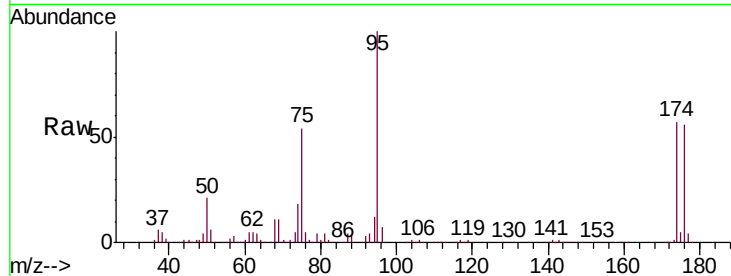
TP-4

Tgt Ion: 75 Resp: 62216

Ion Ratio Lower Upper

75 100

77 1.2 23.5 70.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.843 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012204.D

Acq: 08 Sep 2019 06:15

Tgt Ion: 75 Resp: 62216

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#

