

Data File : VX012203.D
Acq On : 08 Sep 2019 05:48
Operator : SY/SP
Sample : K4650-05
Misc : 5.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Quant Time: Sep 08 07:51:33 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	146780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97261	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100975	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	5.48	113	76841	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	8.71	98	302821	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
62) 4-Bromofluorobenzene	11.14	95	119019	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	

Target Compounds

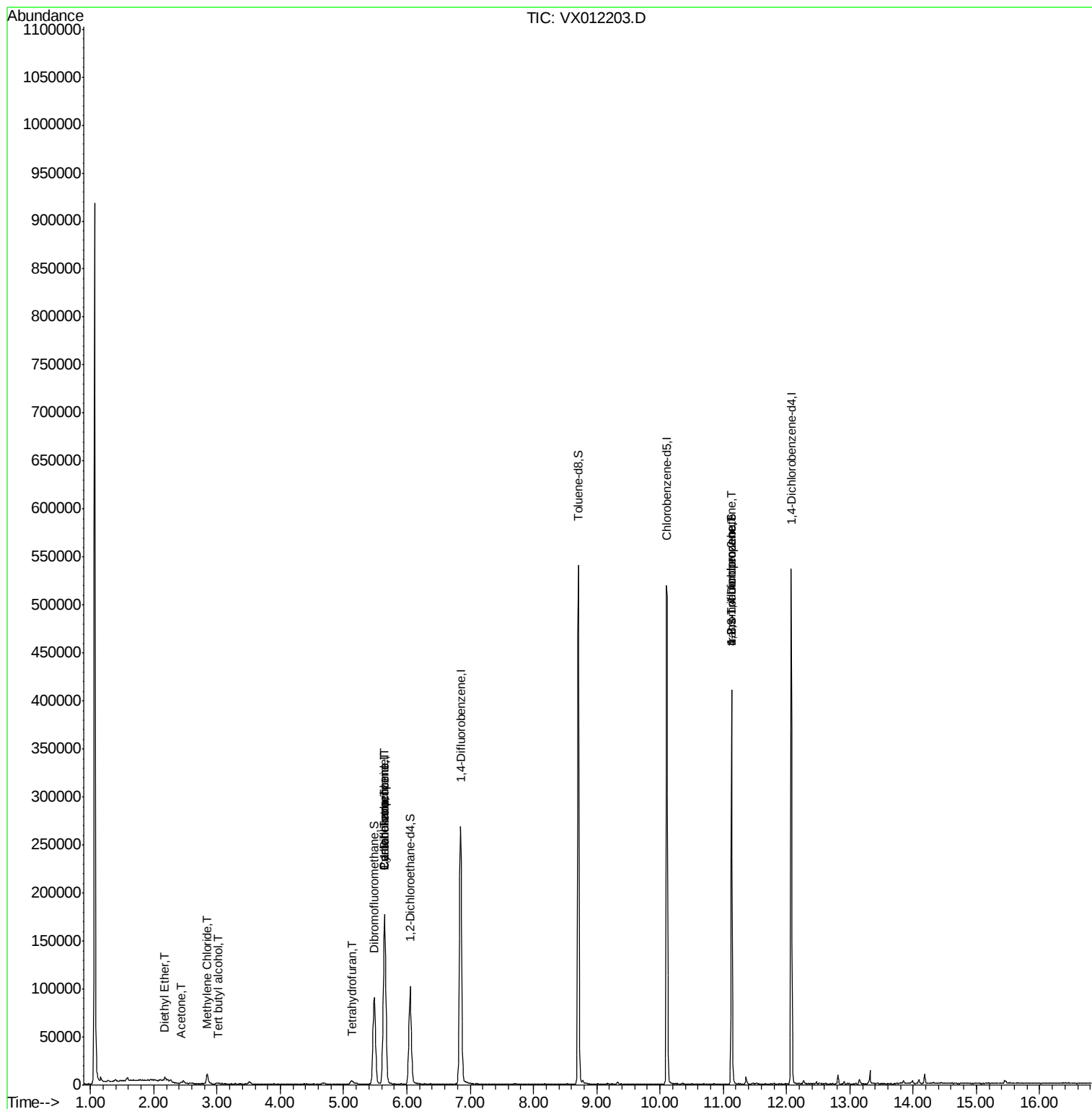
					Qvalue	
8) Diethyl Ether	2.17	74	924	1.320	ug/l	55
11) Tert butyl alcohol	3.01	59	853	4.385	ug/l #	81
13) Acrolein	2.28	56	158	Below Cal	#	27
16) Acetone	2.42	43	1033	2.134	ug/l	99
20) Methylene Chloride	2.84	84	4939	2.541	ug/l #	85
29) Tetrahydrofuran	5.13	42	3892	10.483	ug/l	93
31) Cyclohexane	5.64	56	4113	1.656	ug/l #	16
36) 1,1-Dichloropropene	5.64	75	13628	6.045	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17564	7.394	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	62505	52.597	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	62505	124.347	ug/l #	10

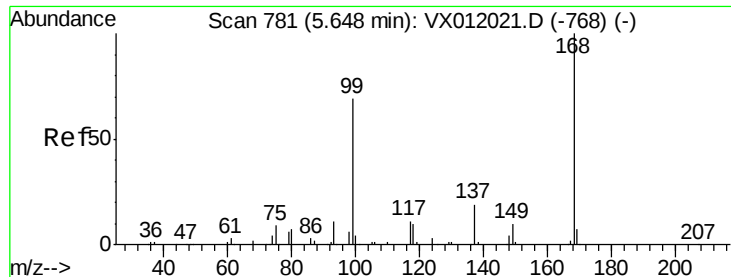
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012203.D

Acq: 08 Sep 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

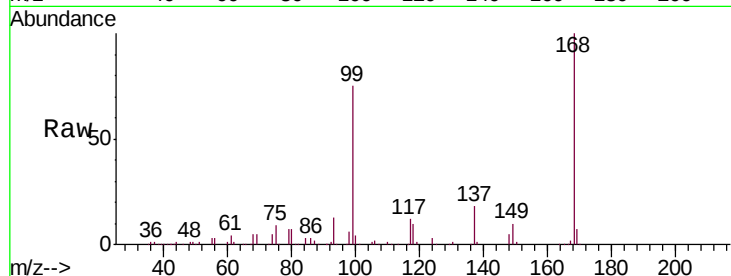
TP-3

Tgt Ion:168 Resp: 146780

Ion Ratio Lower Upper

168 100

99 75.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012203.D

Ion 98.90 (98.60 to 99.60): VX012203.D

5.65

60000

50000

40000

30000

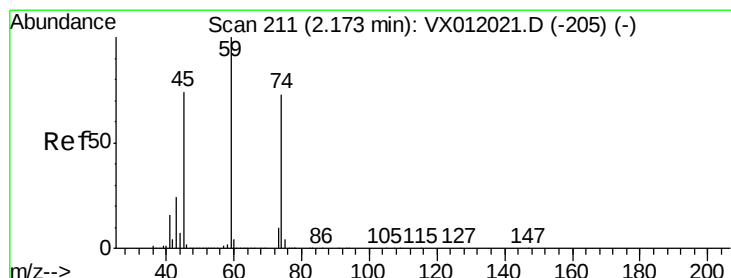
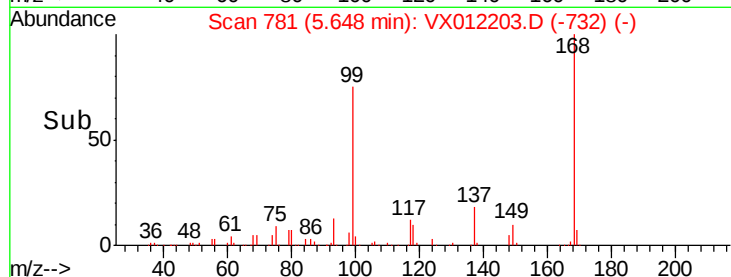
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.320 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012203.D

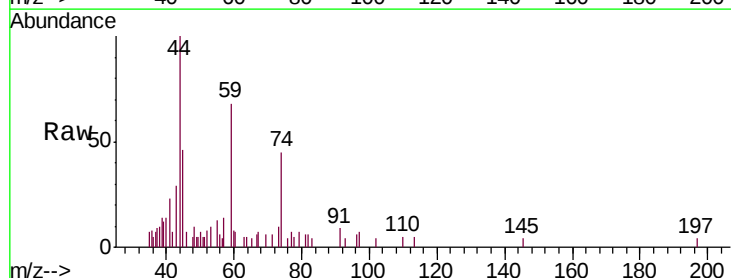
Acq: 08 Sep 2019 05:48

Tgt Ion: 74 Resp: 924

Ion Ratio Lower Upper

74 100

45 134.3 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX012203.D

Ion 45.00 (44.70 to 45.70): VX012203.D

2.17

600

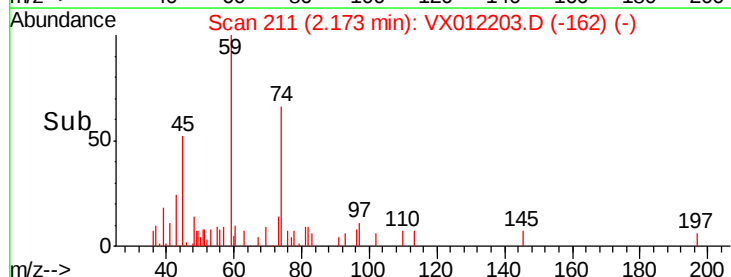
400

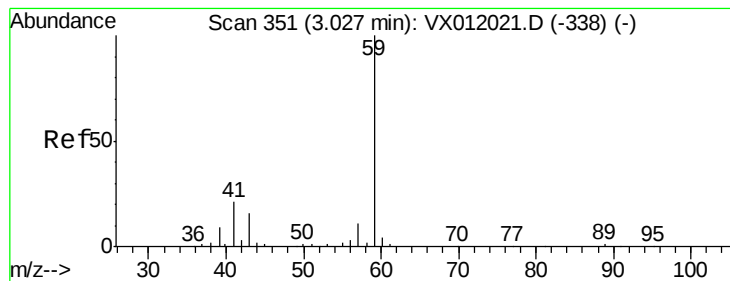
200

0

Time-->

2.15 2.20



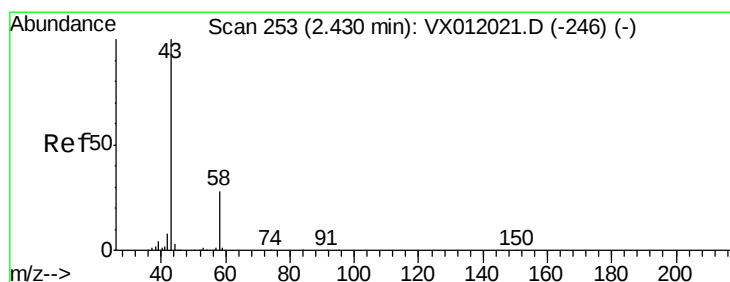
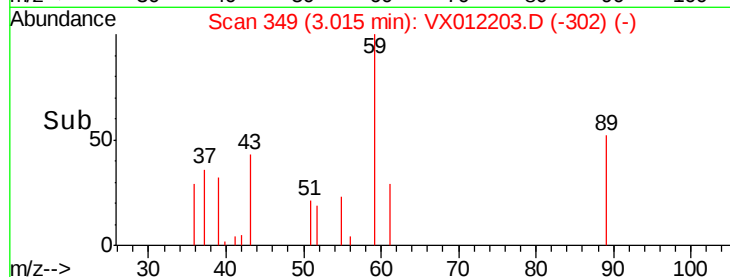
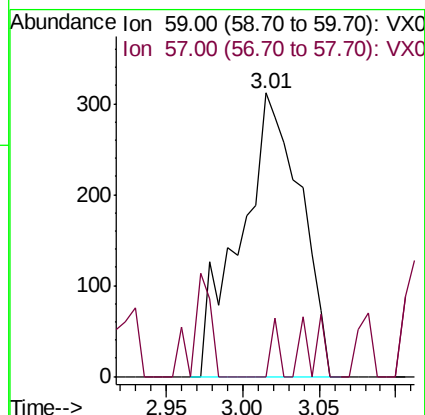
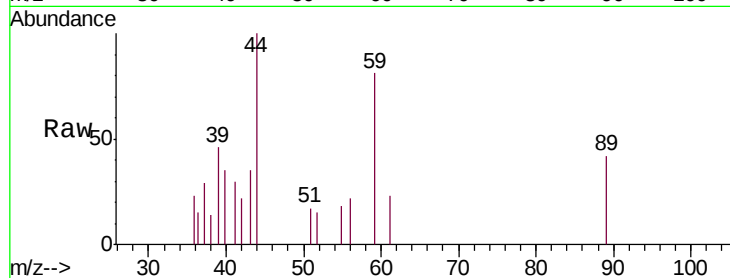


#11

Tert butyl alcohol
 Concen: 4.385 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX012203.D
 Acq: 08 Sep 2019 05:48

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

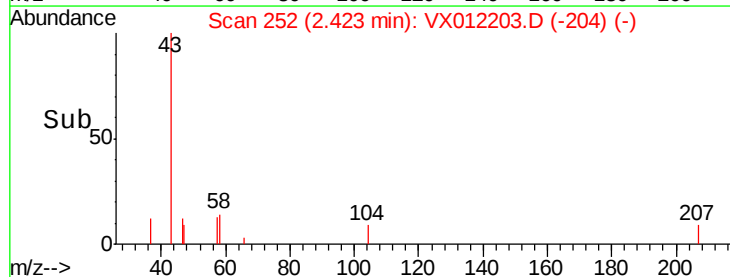
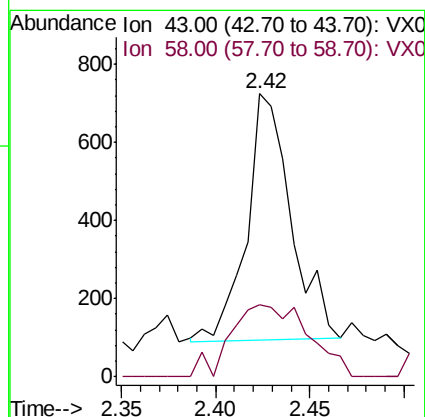
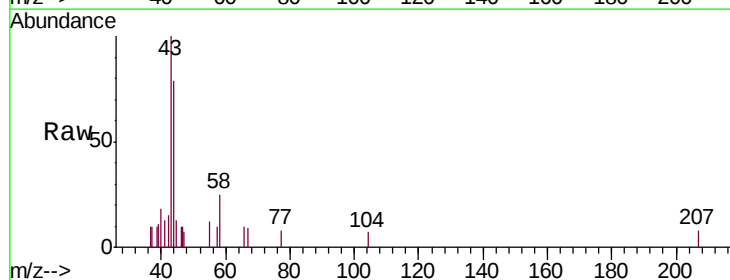
Tgt Ion: 59 Resp: 853
 Ion Ratio Lower Upper
 59 100
 57 2.7 7.9 11.9#

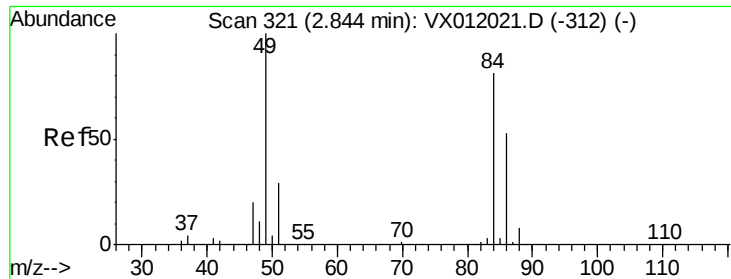


#16

Acetone
 Concen: 2.134 ug/l
 RT: 2.42 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VX012203.D
 Acq: 08 Sep 2019 05:48

Tgt Ion: 43 Resp: 1033
 Ion Ratio Lower Upper
 43 100
 58 29.2 22.8 34.2

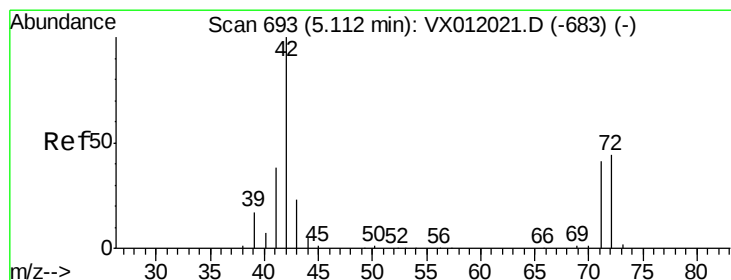
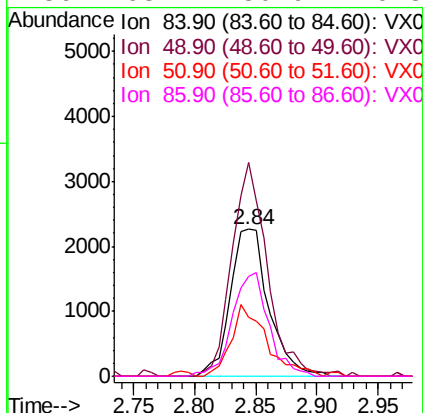
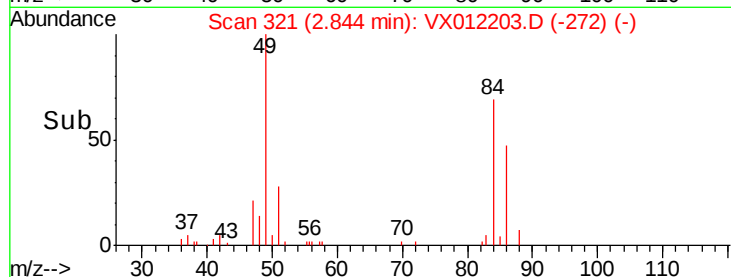
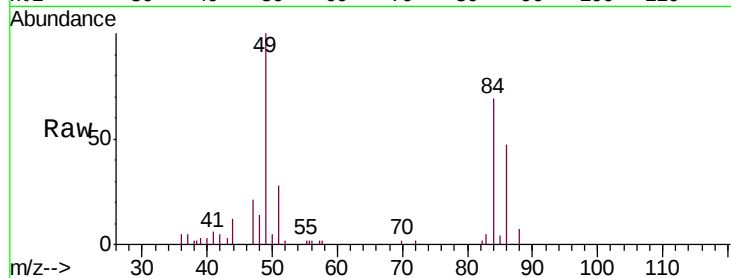




#20
Methylene Chloride
Concen: 2.541 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

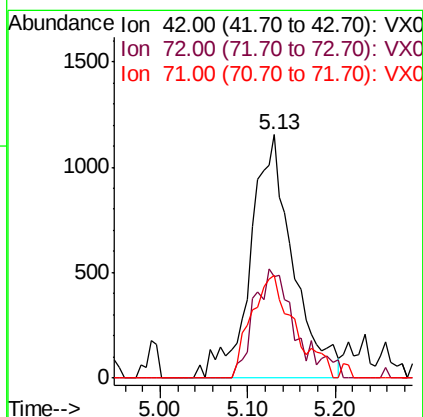
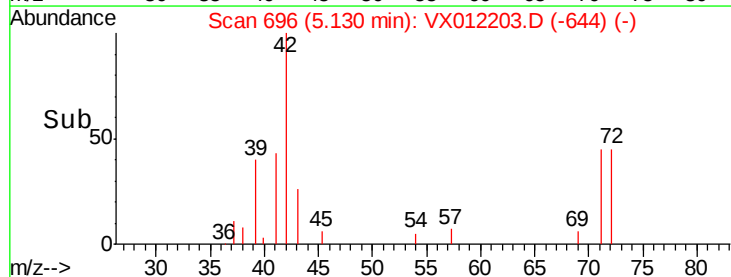
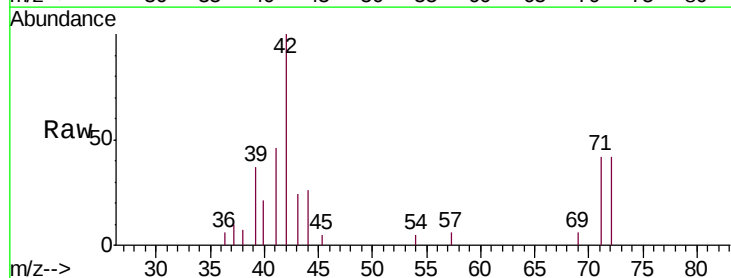
Instrument :
MSVOA_X
ClientSampled :
TP-3

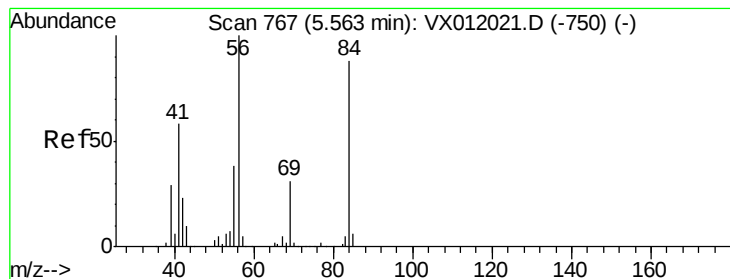
Tgt Ion: 84 Resp: 4939
Ion Ratio Lower Upper
84 100
49 145.5 95.8 143.8#
51 37.7 28.6 43.0
86 68.2 50.9 76.3



#29
Tetrahydrofuran
Concen: 10.483 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

Tgt Ion: 42 Resp: 3892
Ion Ratio Lower Upper
42 100
72 41.6 37.0 55.4
71 38.4 33.8 50.8

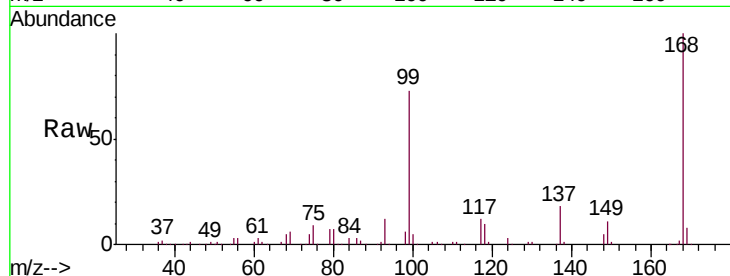




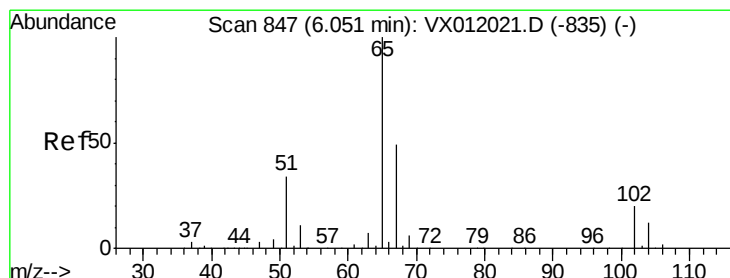
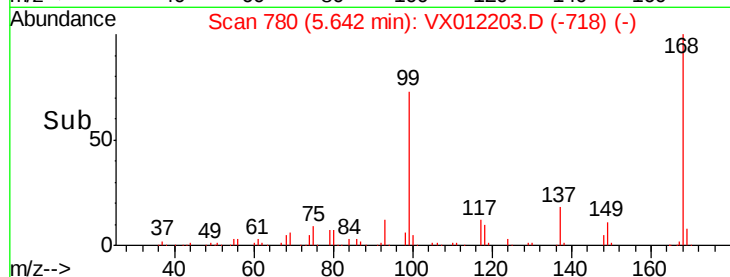
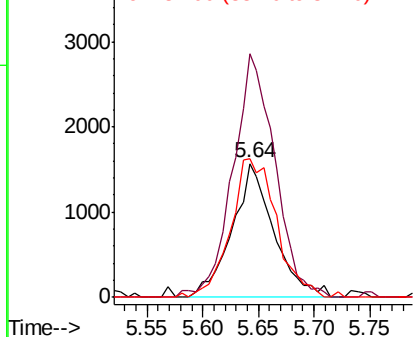
#31
Cyclohexane
Concen: 1.656 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tgt Ion: 56 Resp: 4113
Ion Ratio Lower Upper
56 100
69 181.5 25.7 38.5#
84 103.2 70.3 105.5

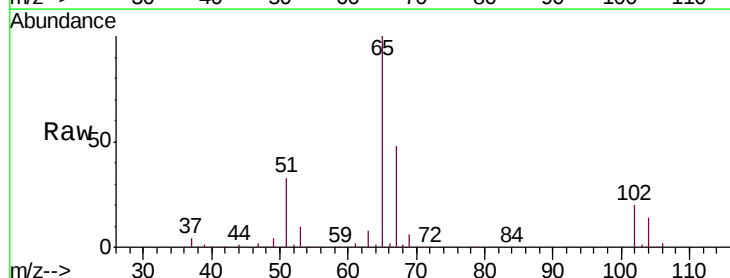


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

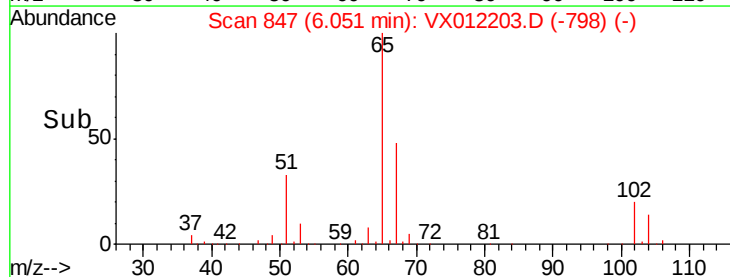
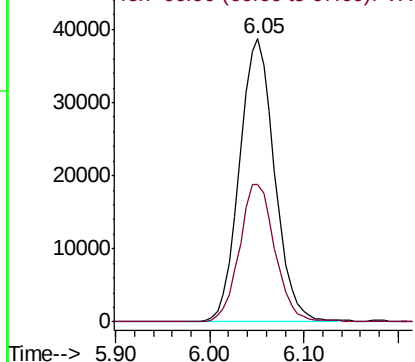


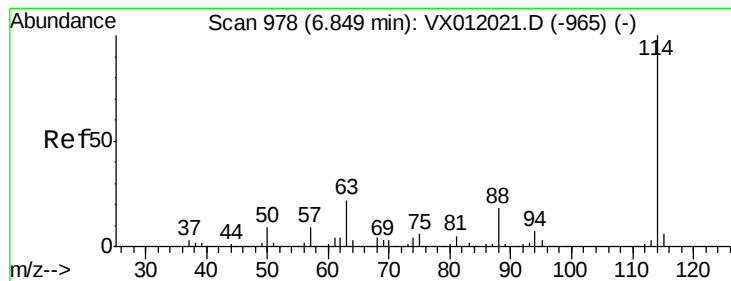
#33
1,2-Dichloroethane-d4
Concen: 49.857 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

Tgt Ion: 65 Resp: 100975
Ion Ratio Lower Upper
65 100
67 49.5 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: VX012203.D

Acq: 08 Sep 2019 05:48

Instrument :

MSVOA_X

ClientSampleID :

TP-3

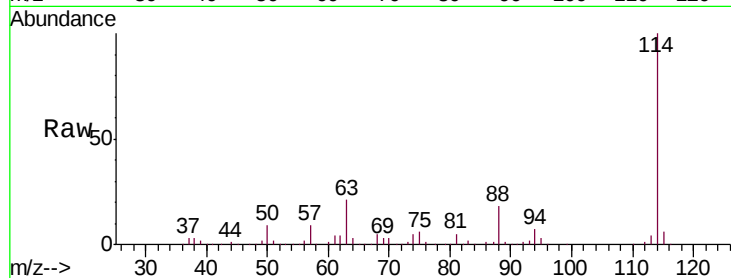
Tgt Ion:114 Resp: 255947

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.4

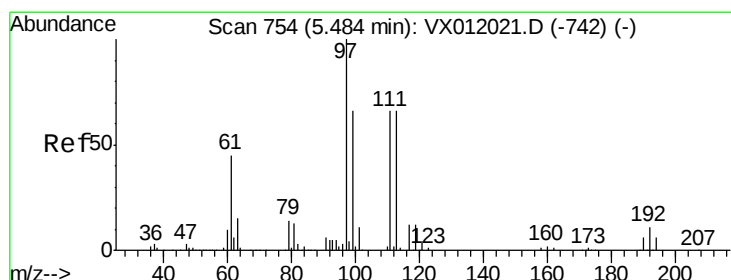
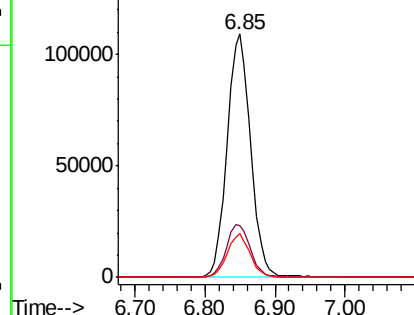
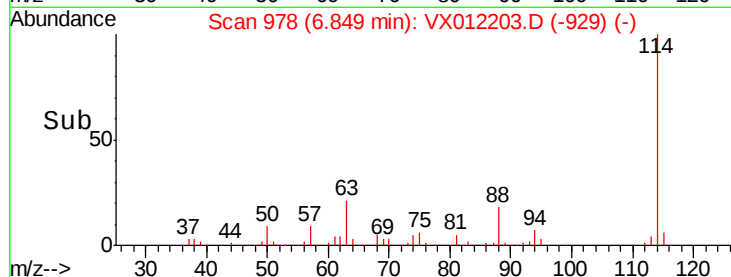
88 18.0 0.0 29.6



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: 48.819 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012203.D

Acq: 08 Sep 2019 05:48

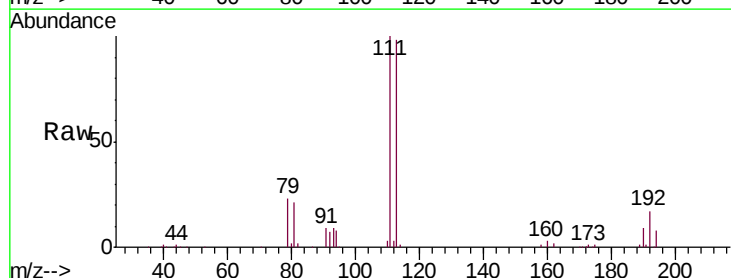
Tgt Ion:113 Resp: 76841

Ion Ratio Lower Upper

113 100

111 101.6 81.7 122.5

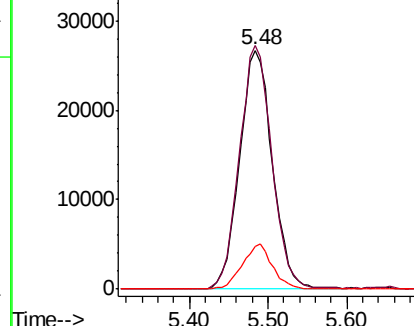
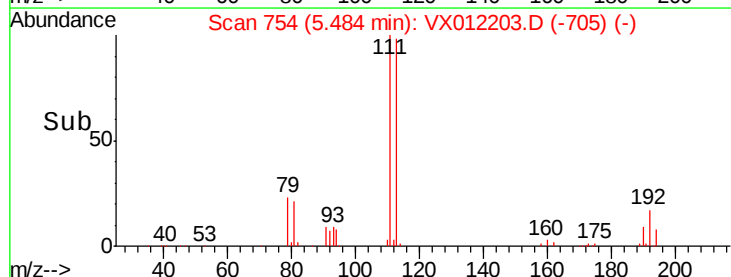
192 17.4 22.5 33.7#

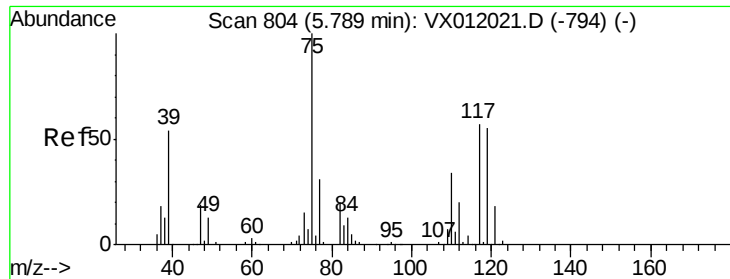


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

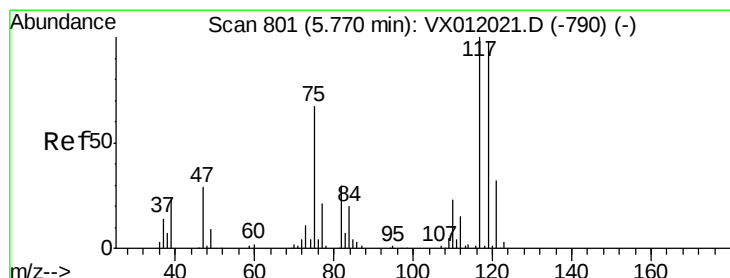
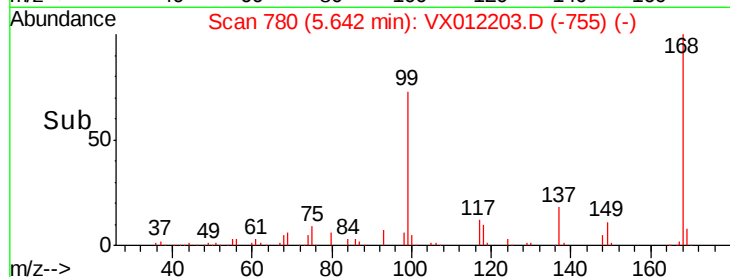
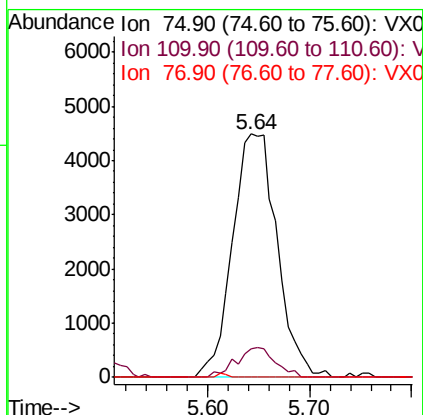
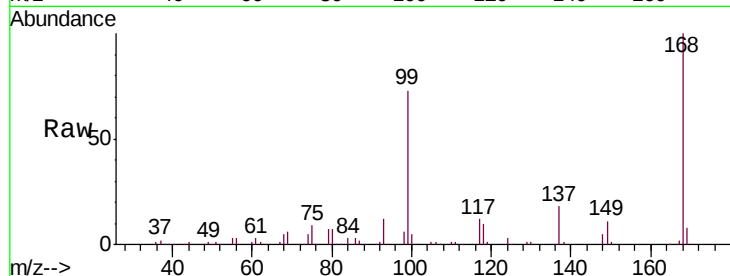




#36
 1,1-Dichloropropene
 Concen: 6.045 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012203.D
 Acq: 08 Sep 2019 05:48

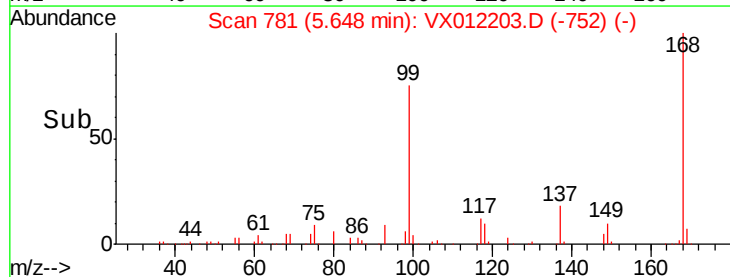
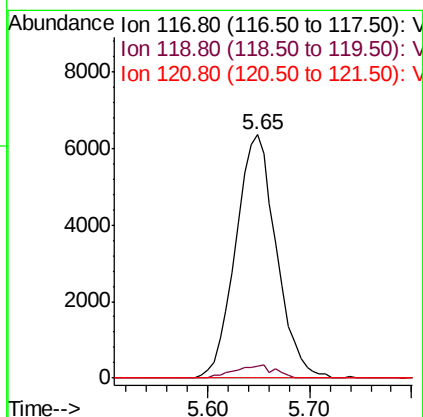
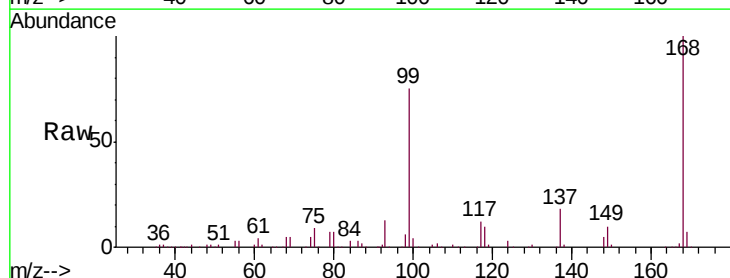
Instrument :
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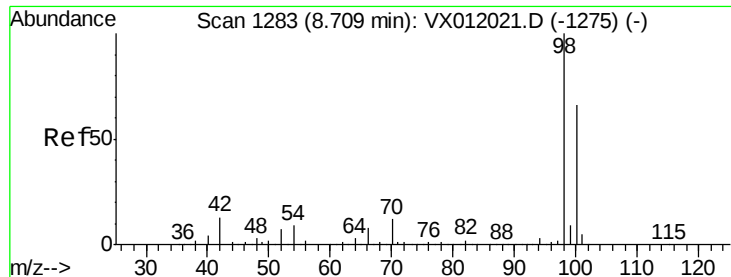
Tgt Ion: 75 Resp: 13628
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.394 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012203.D
 Acq: 08 Sep 2019 05:48

Tgt Ion: 117 Resp: 17564
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.3 117.5#
 121 0.0 24.2 36.2#

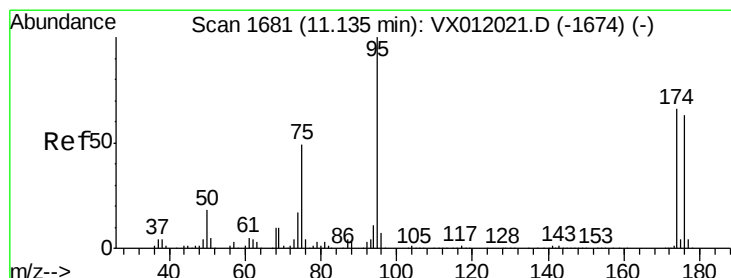
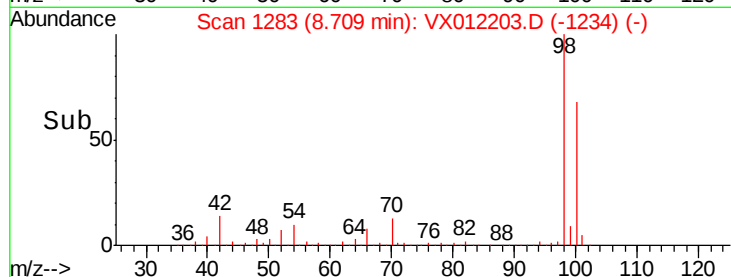
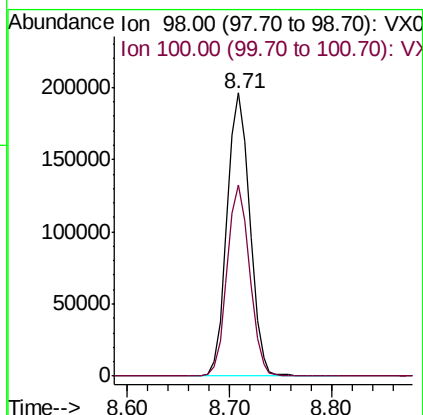
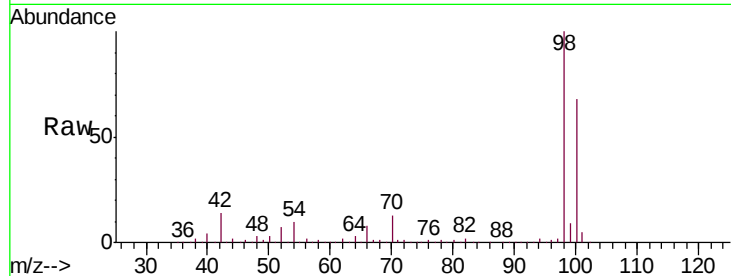




#50
Toluene-d8
Concen: 52.429 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

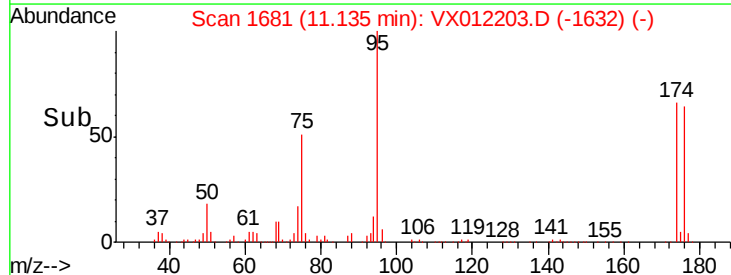
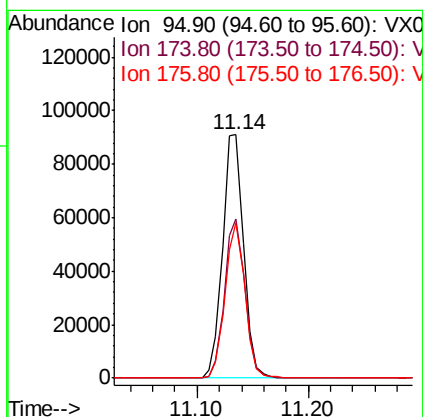
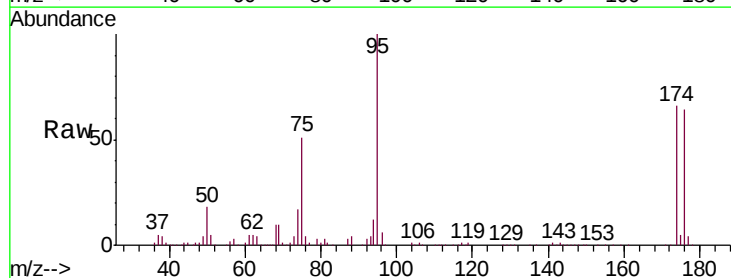
Instrument :
MSVOA_X
ClientSampled :
TP-3

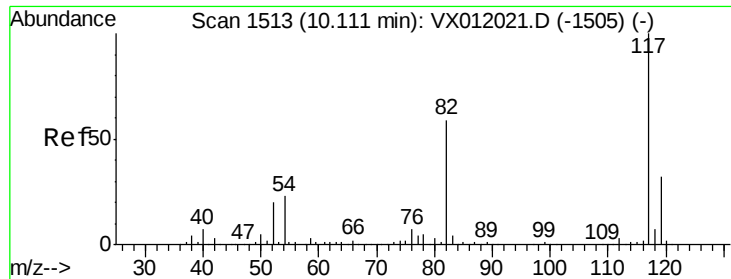
Tgt Ion: 98 Resp: 302821
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.309 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

Tgt Ion: 95 Resp: 119019
Ion Ratio Lower Upper
95 100
174 63.6 0.0 205.4
176 60.4 0.0 201.8

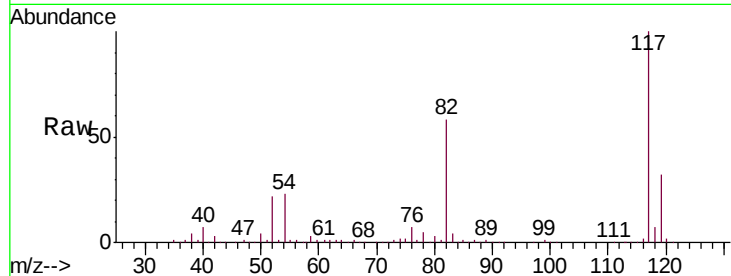




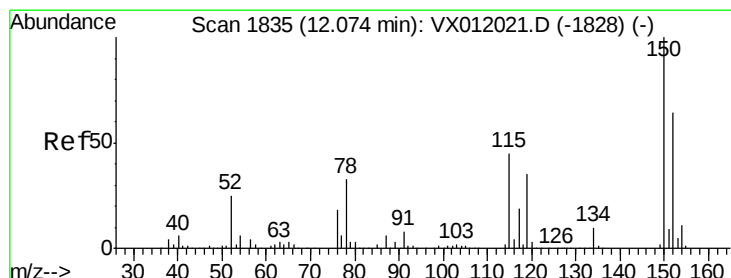
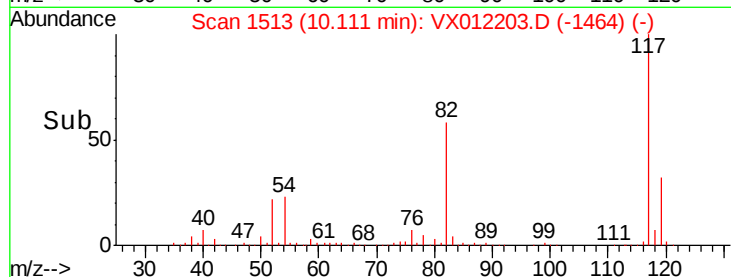
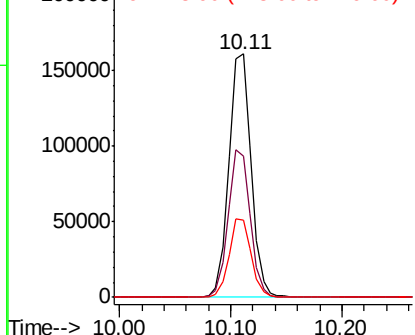
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

Instrument :
MSVOA_X
ClientSampled :
TP-3

Tgt Ion:117 Resp: 222515
Ion Ratio Lower Upper
117 100
82 58.2 39.4 59.0
119 31.9 26.1 39.1

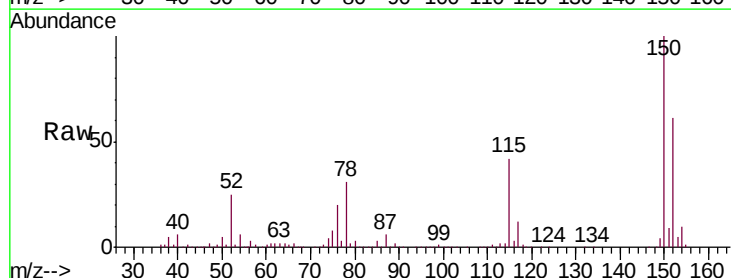


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

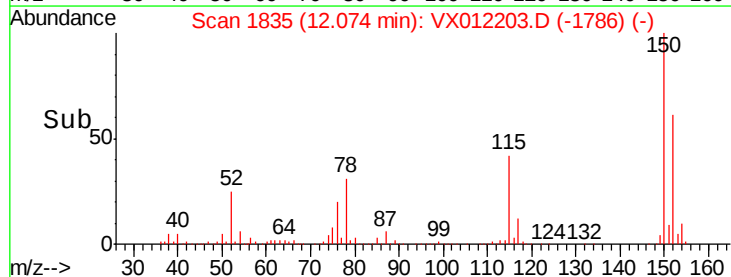
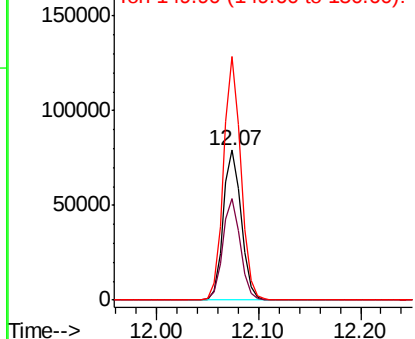


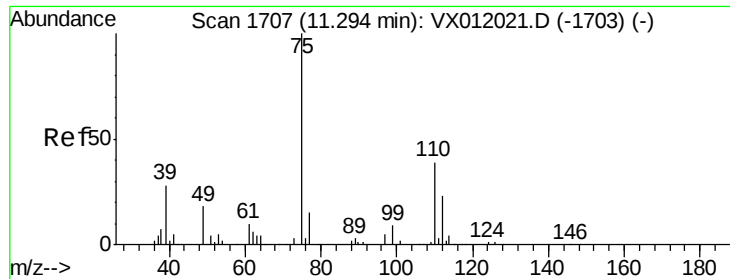
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012203.D
Acq: 08 Sep 2019 05:48

Tgt Ion:152 Resp: 97261
Ion Ratio Lower Upper
152 100
115 66.4 36.4 109.3
150 156.5 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: 52.597 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012203.D

Acq: 08 Sep 2019 05:48

Instrument :

MSVOA_X

ClientSampled :

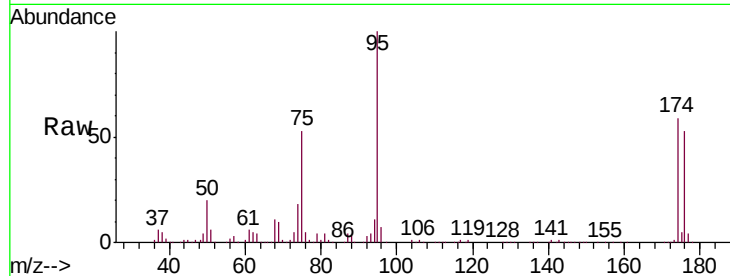
TP-3

Tgt Ion: 75 Resp: 62505

Ion Ratio Lower Upper

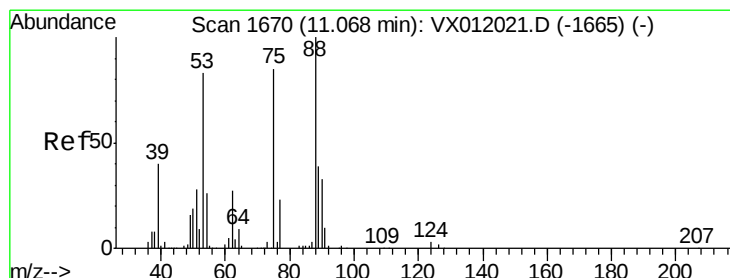
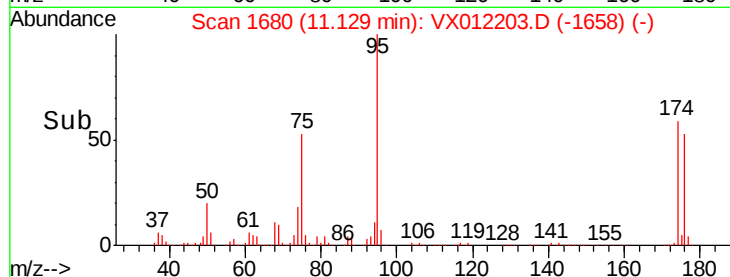
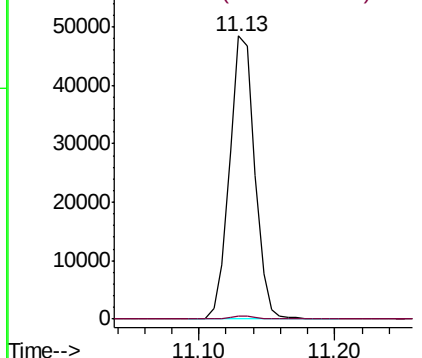
75 100

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: 124.347 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012203.D

Acq: 08 Sep 2019 05:48

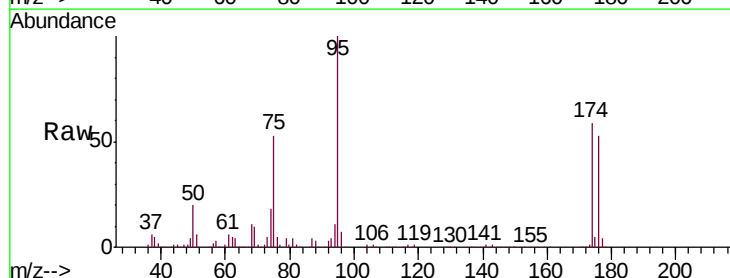
Tgt Ion: 75 Resp: 62505

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.1 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

