

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012333.D
 Acq On : 12 Sep 2019 06:30
 Operator : SY/SP
 Sample : K4694-17
 Misc : 2.72g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-4(0)

Quant Time: Sep 12 07:28:00 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	164010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	209249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	60979	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	111281	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	5.48	113	84266	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	8.71	98	318399	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.14	95	93790	31.81	ug/l	0.00
Spiked Amount			Recovery	=	63.62%	

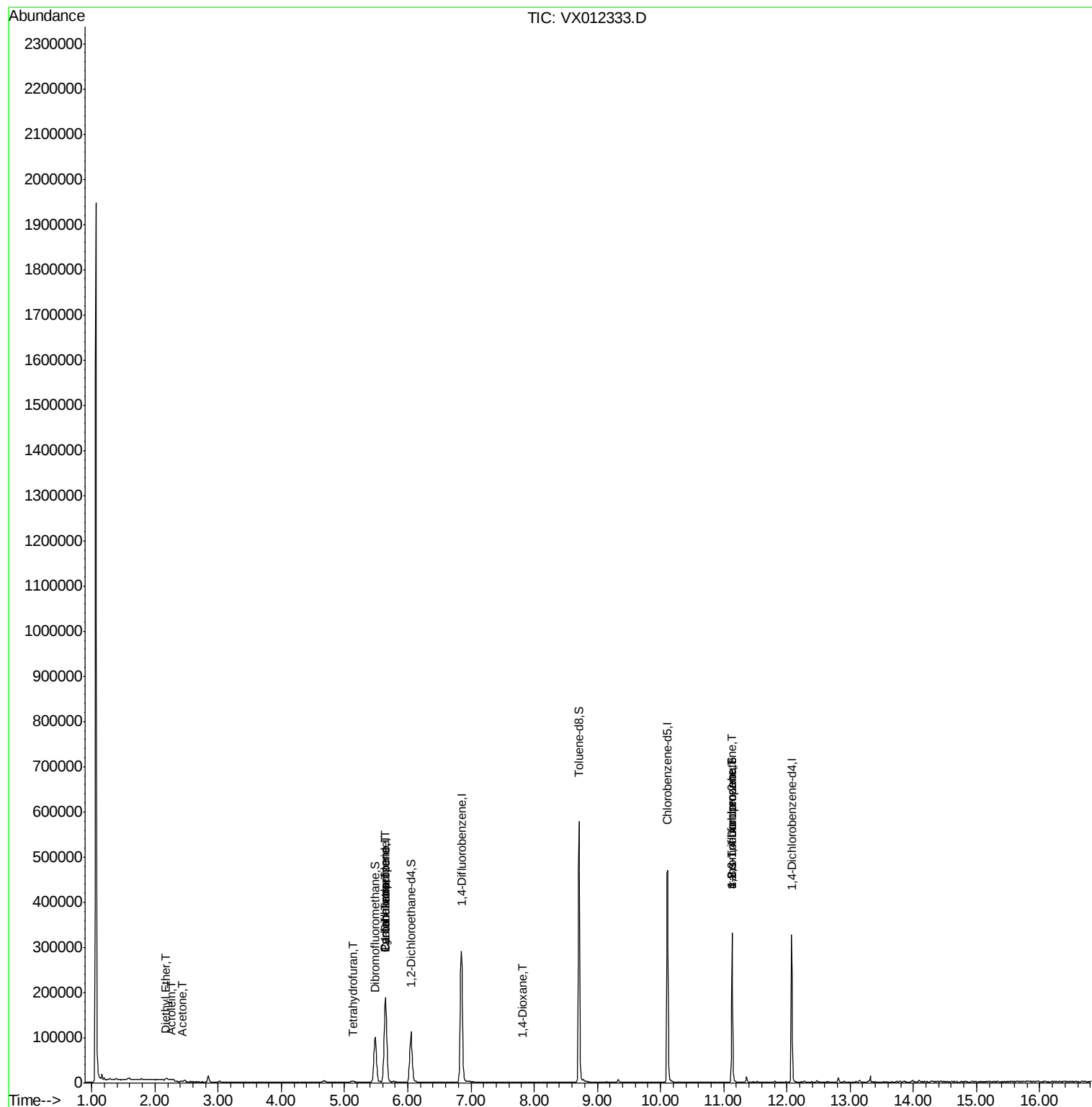
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	247	Below Cal	#	74
8) Diethyl Ether	2.17	74	1171	1.582	ug/l	97
11) Tert butyl alcohol	3.03	59	1775	Below Cal	#	74
13) Acrolein	2.27	56	233	1.922	ug/l #	65
16) Acetone	2.43	43	1558	2.838	ug/l #	80
29) Tetrahydrofuran	5.12	42	2833	7.483	ug/l	91
31) Cyclohexane	5.65	56	4777	2.219	ug/l #	16
36) 1,1-Dichloropropene	5.64	75	14719	7.136	ug/l #	43
38) Carbon Tetrachloride	5.64	117	18503	7.645	ug/l #	14
49) 1,4-Dioxane	7.81	88	20	1.152	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	49103	62.682	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	49103	187.810	ug/l #	5

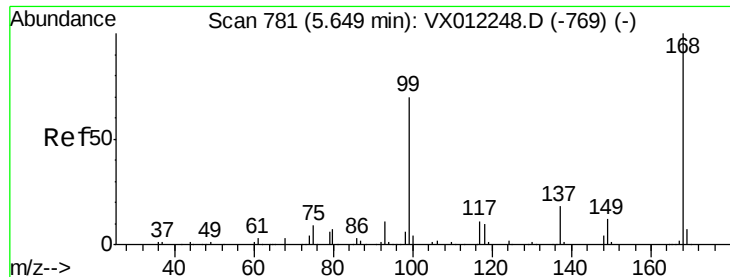
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
Data File : VX012333.D
Acq On : 12 Sep 2019 06:30
Operator : SY/SP
Sample : K4694-17
Misc : 2.72g/5.0mL/MSVOA_X/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T2-4-(0)

Quant Time: Sep 12 07:28:00 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: VX012333.D

Acq: 12 Sep 2019 06:30

Instrument :

MSVOA_X

ClientSampleId :

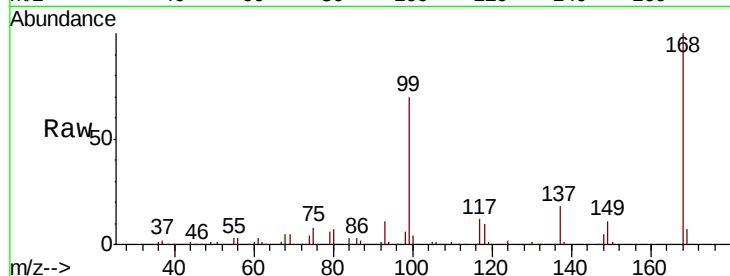
T2-4-(0)

Tgt Ion: 168 Resp: 164010

Ion Ratio Lower Upper

168 100

99 69.8 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

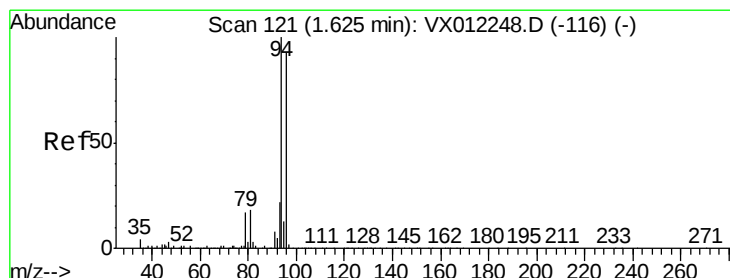
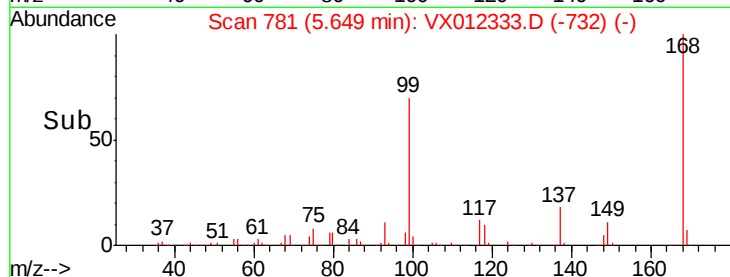
40000

20000

0

Time--> 5.50 5.60 5.70

5.65



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012333.D

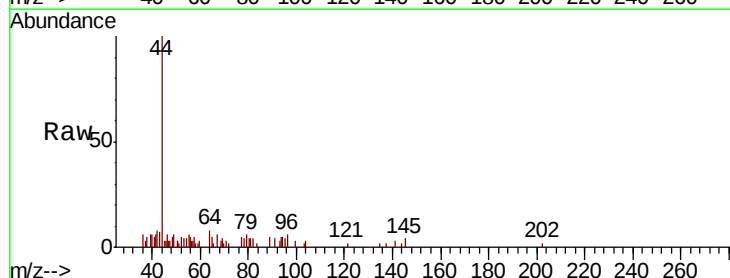
Acq: 12 Sep 2019 06:30

Tgt Ion: 94 Resp: 247

Ion Ratio Lower Upper

94 100

96 67.5 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

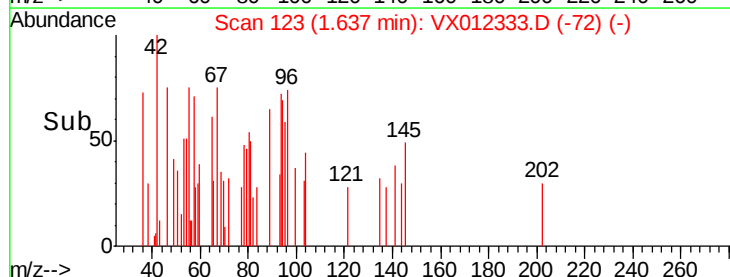
100

50

0

Time--> 1.60 1.65

1.64

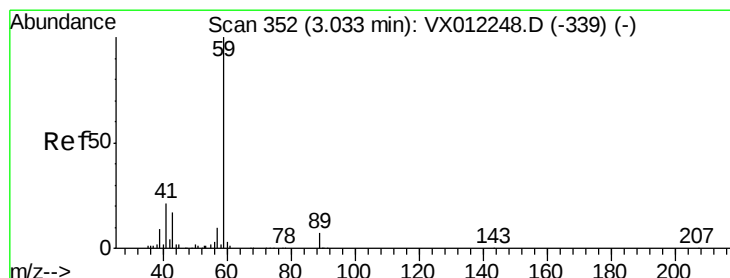
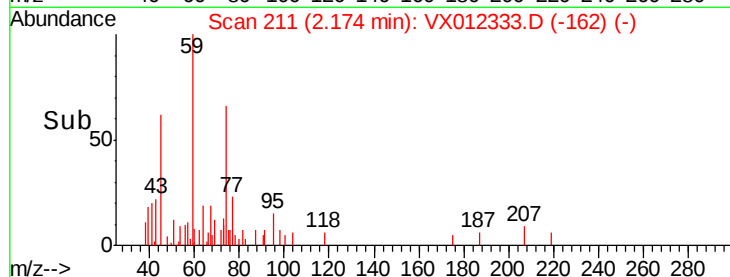
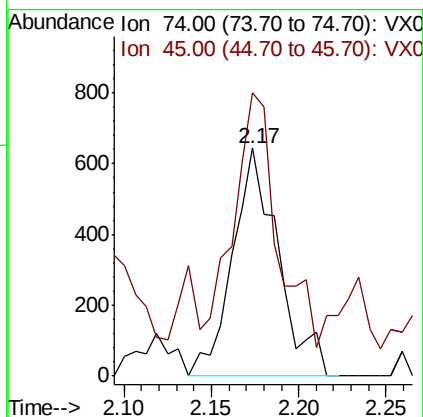
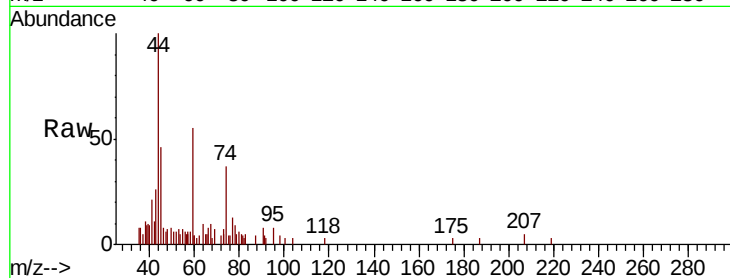




#8
Diethyl Ether
Concen: 1.582 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012333.D
Acq: 12 Sep 2019 06:30

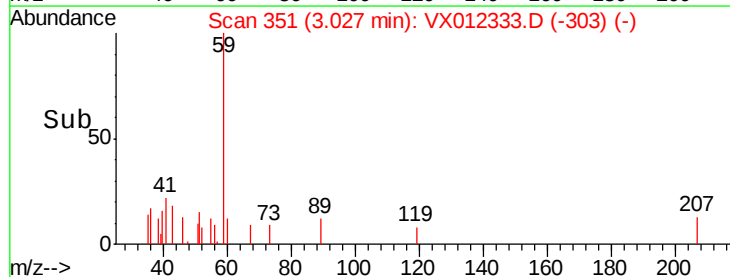
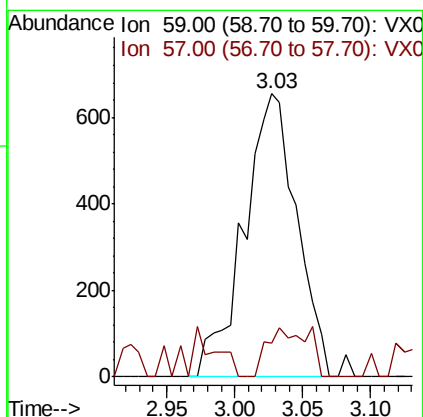
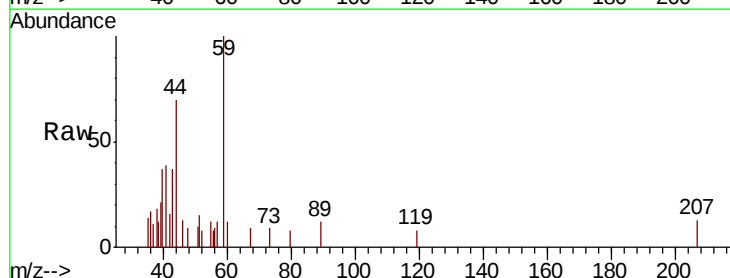
Instrument :
MSVOA_X
ClientSampled :
T2-4-(0)

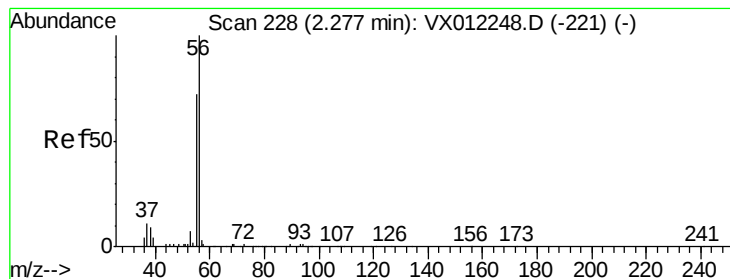
Tgt Ion: 74 Resp: 1171
Ion Ratio Lower Upper
74 100
45 105.2 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012333.D
Acq: 12 Sep 2019 06:30

Tgt Ion: 59 Resp: 1775
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#13

Acrolein

Concen: 1.922 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.01 min

Lab File: VX012333.D

Acq: 12 Sep 2019 06:30

Instrument :

MSVOA_X

ClientSampleId :

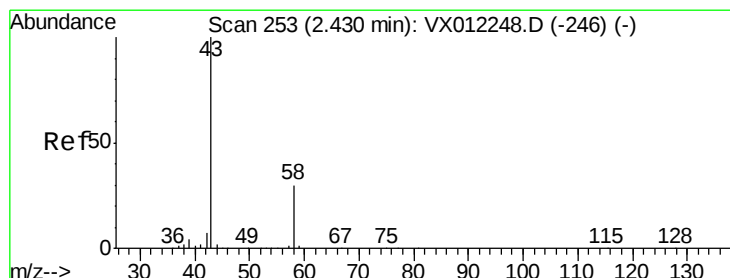
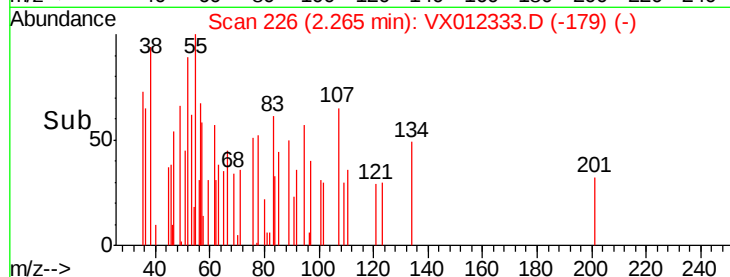
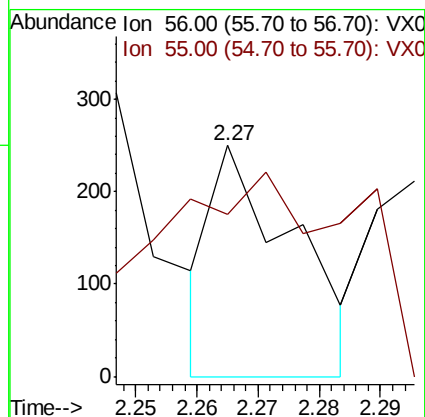
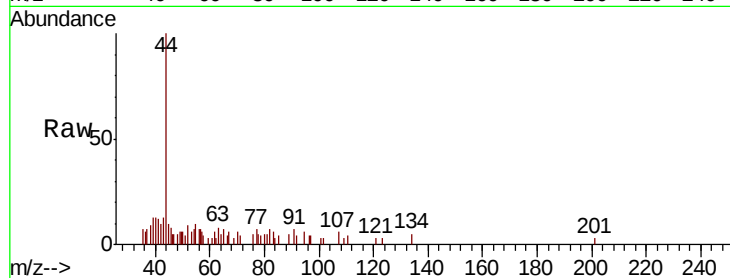
T2-4-(0)

Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 104.3 59.8 89.6#



#16

Acetone

Concen: 2.838 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012333.D

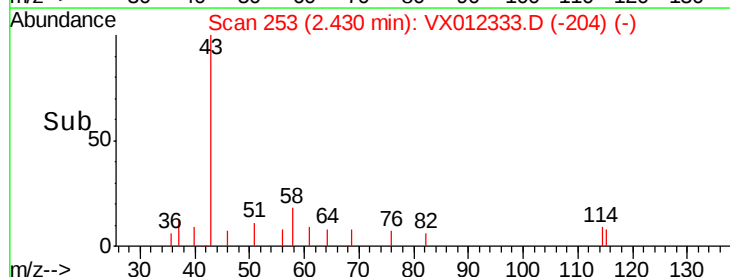
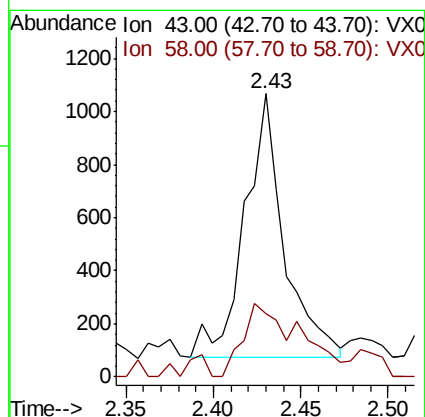
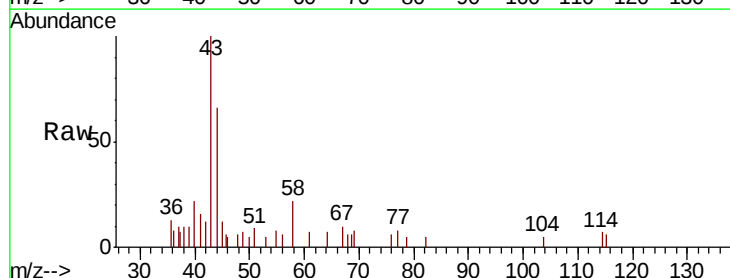
Acq: 12 Sep 2019 06:30

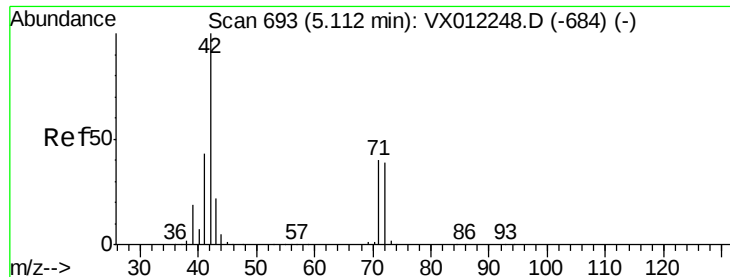
Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

58 18.5 23.6 35.4#





#29

Tetrahydrofuran

Concen: 7.483 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012333.D

Acq: 12 Sep 2019 06:30

Instrument :

MSVOA_X

ClientSampled :

T2-4-(0)

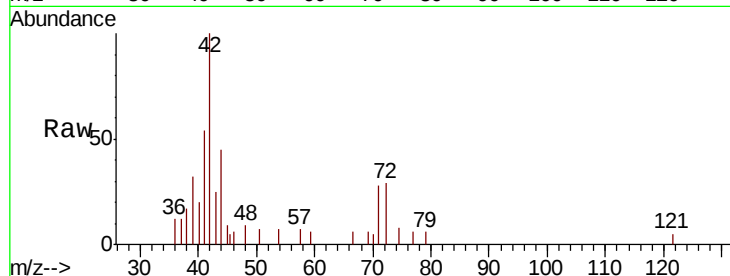
Tgt Ion: 42 Resp: 2833

Ion Ratio Lower Upper

42 100

72 49.3 35.2 52.8

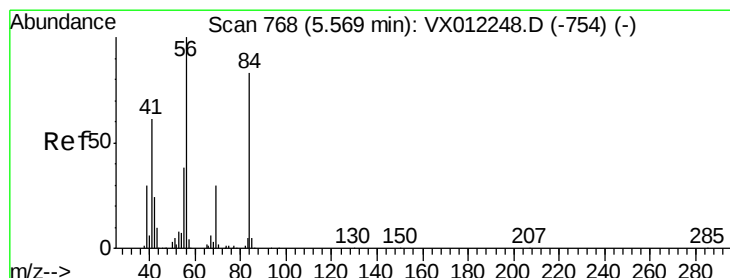
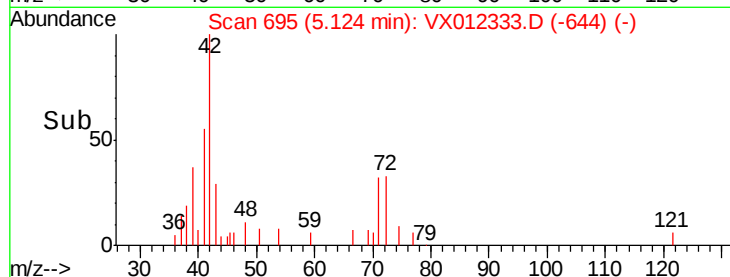
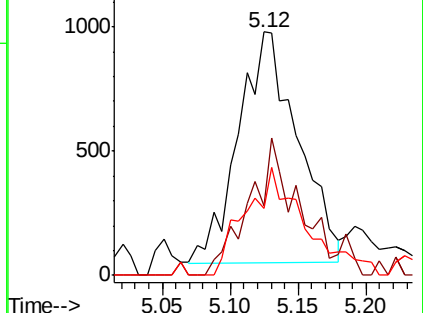
71 46.9 32.5 48.7



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: 2.219 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012333.D

Acq: 12 Sep 2019 06:30

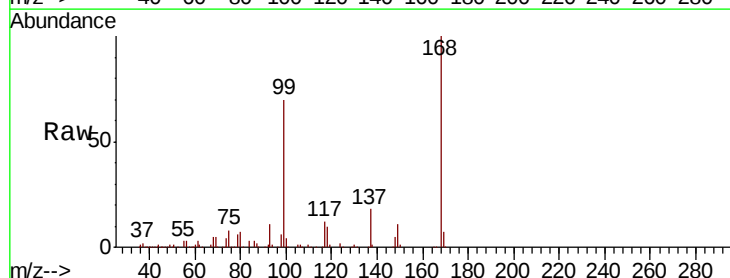
Tgt Ion: 56 Resp: 4777

Ion Ratio Lower Upper

56 100

69 173.4 23.8 35.6#

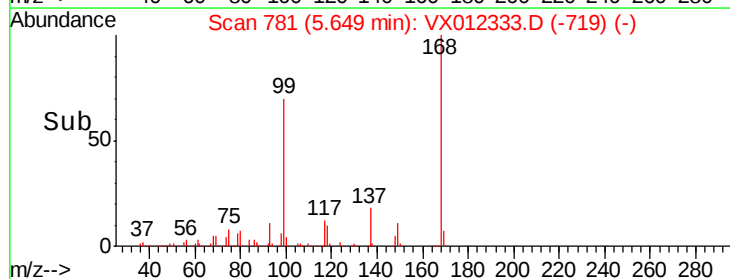
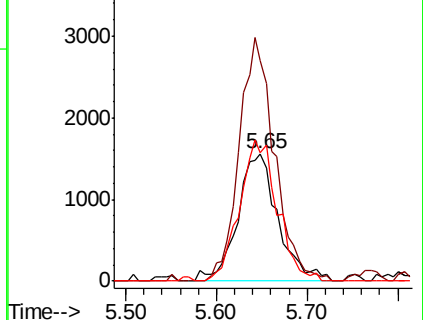
84 100.4 66.6 100.0#

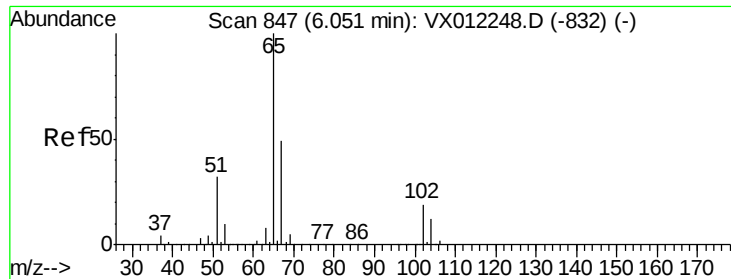


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.991 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012333.D

Acq: 12 Sep 2019 06:30

Instrument :

MSVOA_X

ClientSampleId :

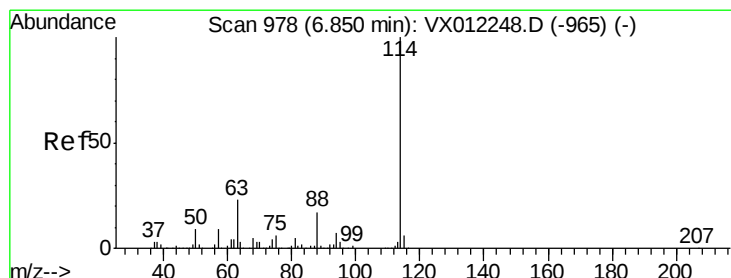
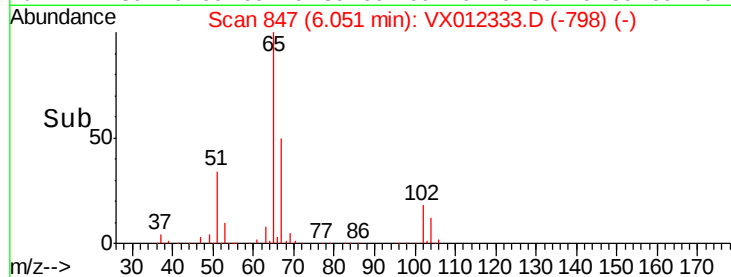
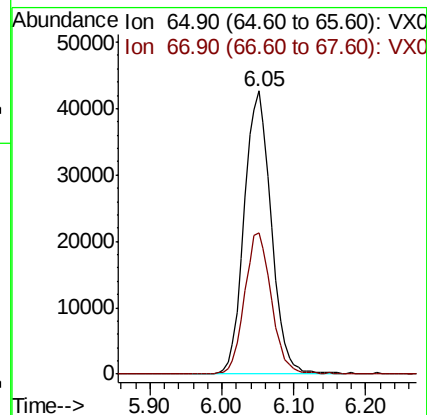
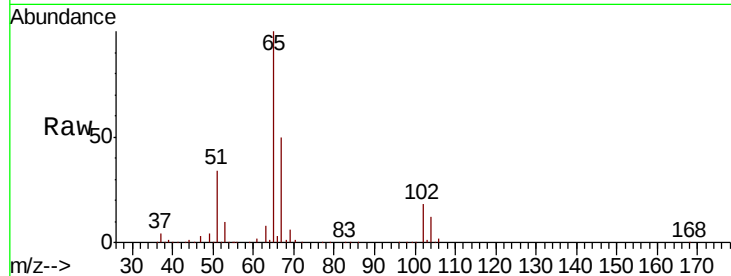
T2-4-(0)

Tgt Ion: 65 Resp: 111281

Ion Ratio Lower Upper

65 100

67 49.5 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: VX012333.D

Acq: 12 Sep 2019 06:30

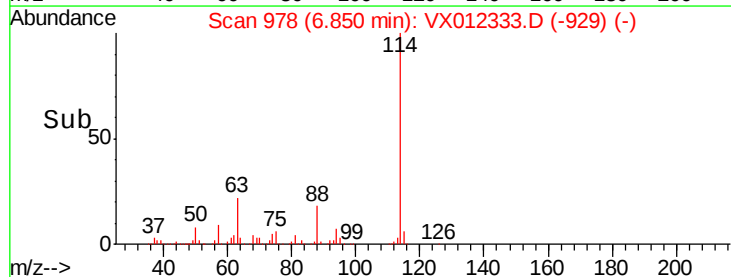
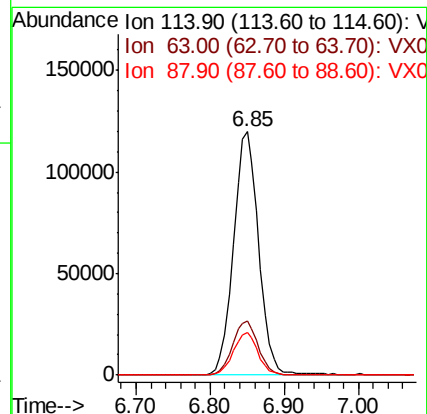
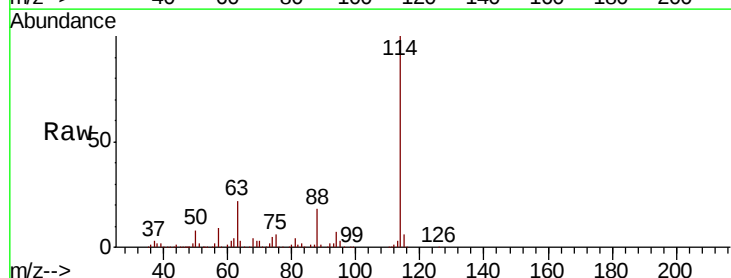
Tgt Ion: 114 Resp: 282892

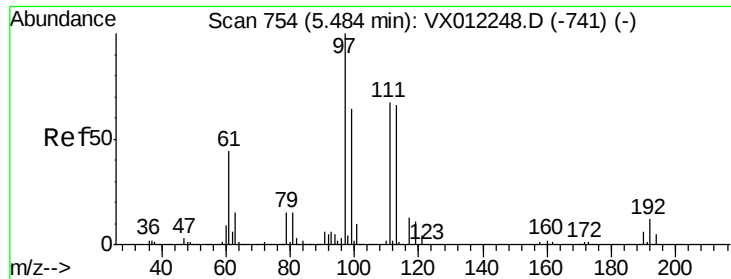
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

88 17.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.467 ug/l

RT: 5.48 min Scan# 754

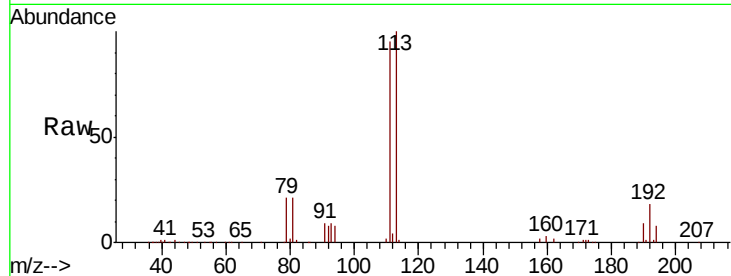
Delta R.T. 0.00 min

Lab File: VX012333.D

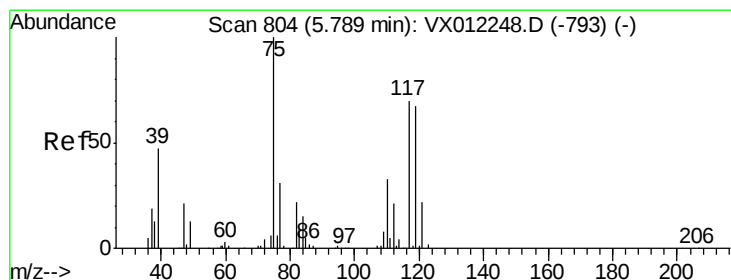
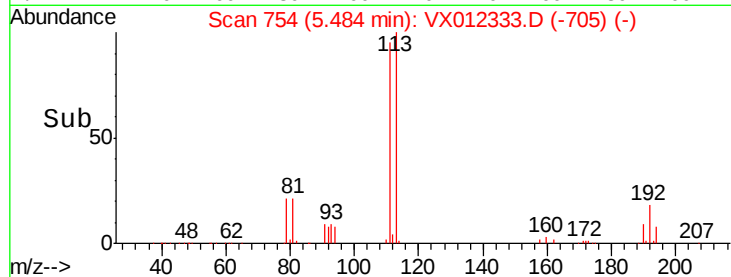
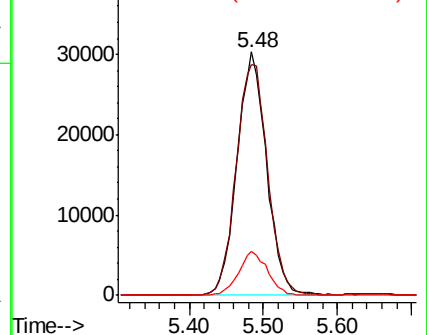
Acq: 12 Sep 2019 06:30

Instrument :
MSVOA_X
ClientSampleId :
T2-4-(0)

Tgt Ion:113 Resp: 84266
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.6
192 17.8 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: 7.136 ug/l

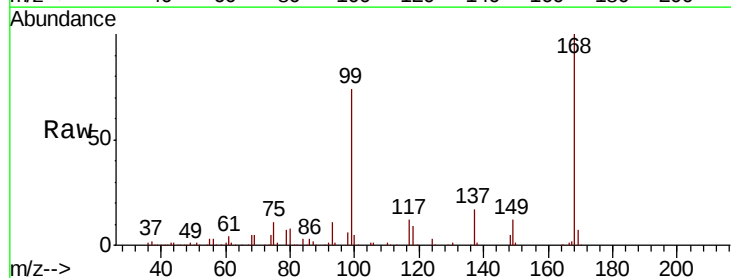
RT: 5.64 min Scan# 779

Delta R.T. -0.15 min

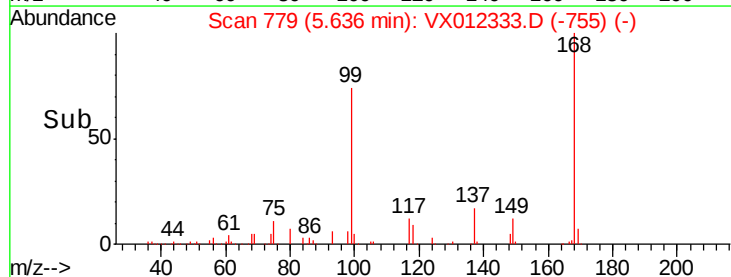
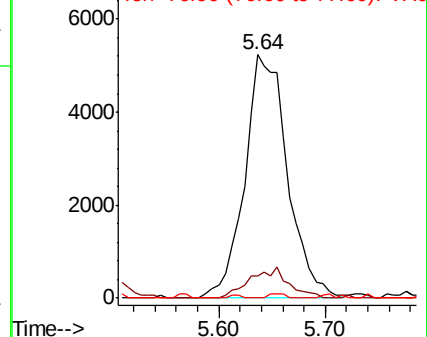
Lab File: VX012333.D

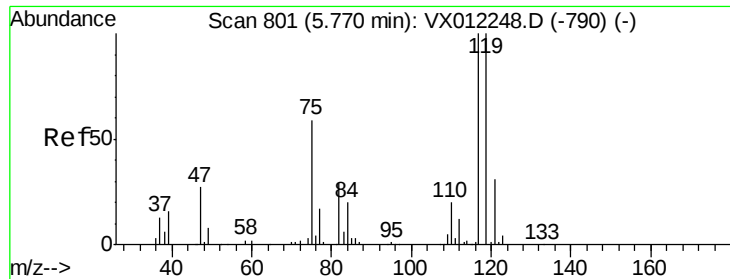
Acq: 12 Sep 2019 06:30

Tgt Ion: 75 Resp: 14719
Ion Ratio Lower Upper
75 100
110 0.0 16.8 50.4#
77 0.3 24.5 36.7#



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: 7.645 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012333.D

Acq: 12 Sep 2019 06:30

Instrument :

MSVOA_X

ClientSampleId :

T2-4-(0)

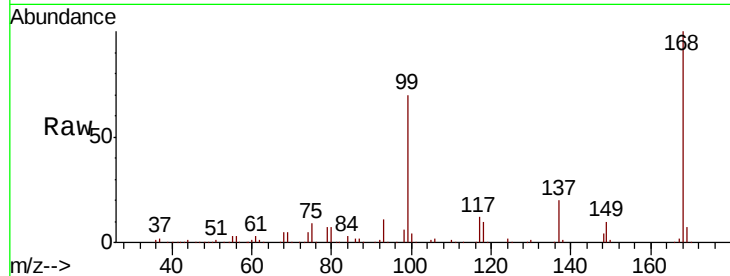
Tgt Ion:117 Resp: 18503

Ion Ratio Lower Upper

117 100

119 4.2 79.6 119.4#

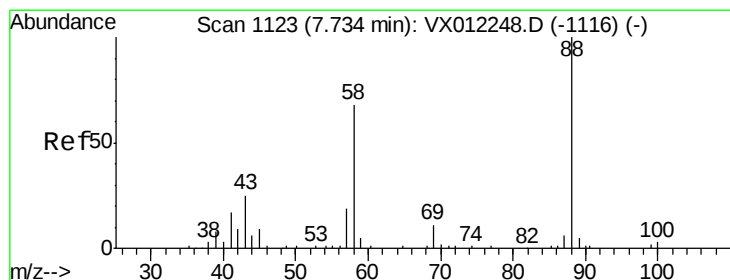
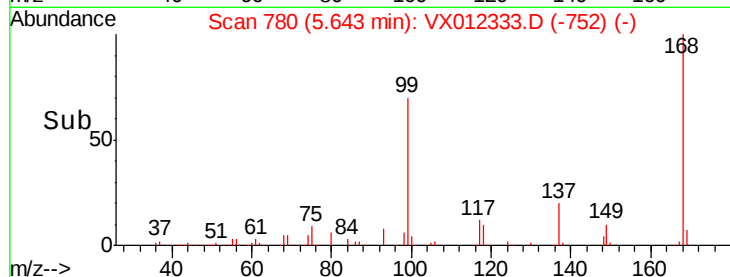
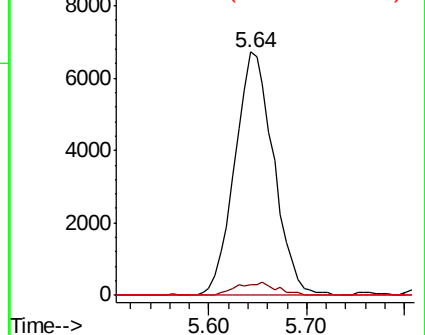
121 0.0 24.7 37.1#



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: 1.152 ug/l

RT: 7.81 min Scan# 1135

Delta R.T. 0.07 min

Lab File: VX012333.D

Acq: 12 Sep 2019 06:30

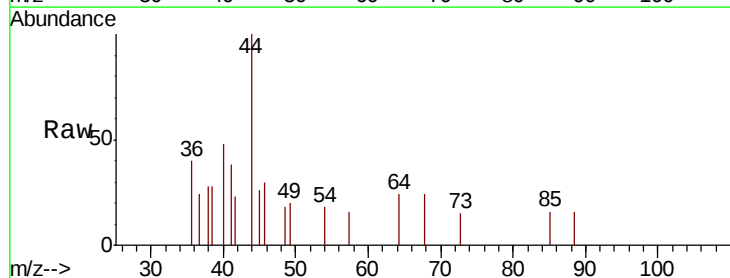
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 265.0 31.0 46.4#

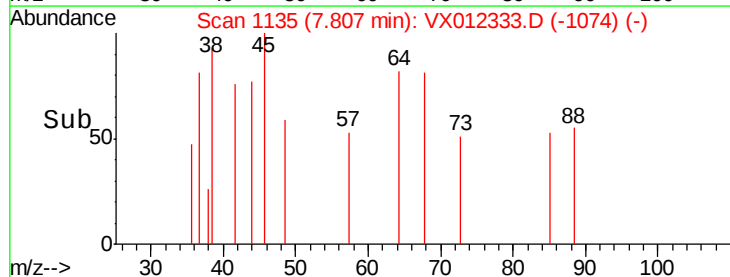
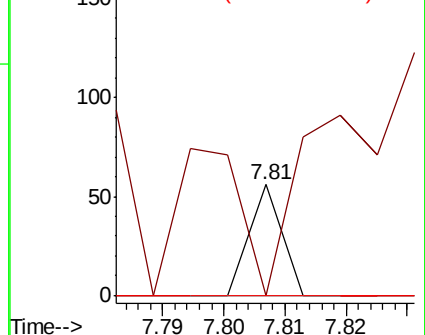
58 0.0 61.5 92.3#

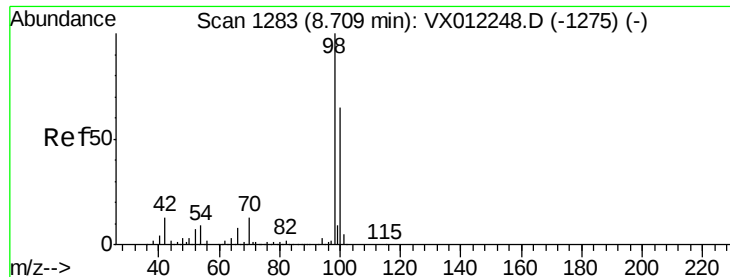


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

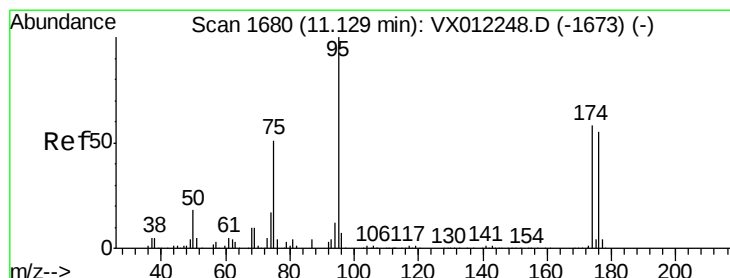
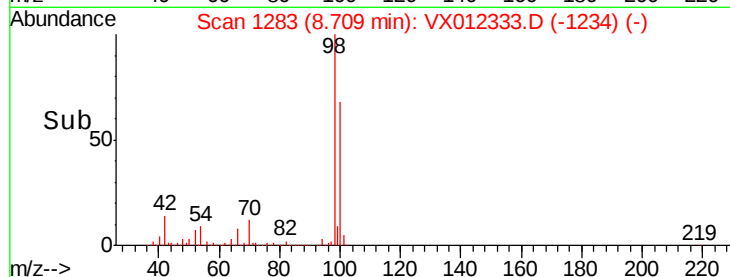
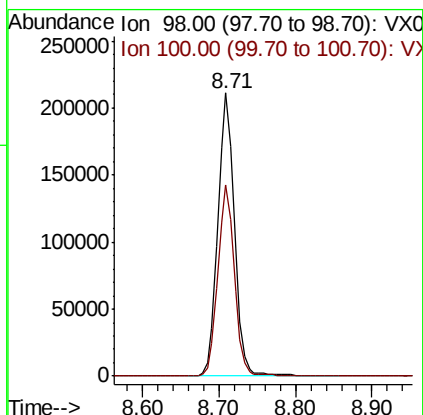
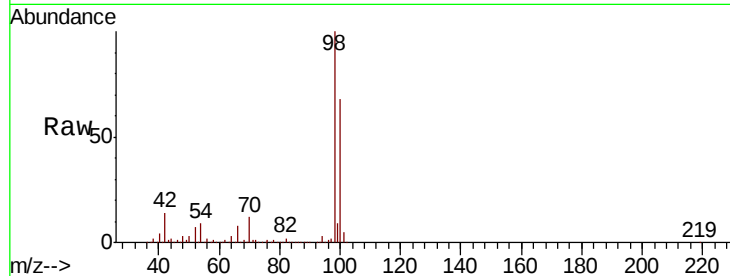




#50
Toluene-d8
Concen: 50.059 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012333.D
Acq: 12 Sep 2019 06:30

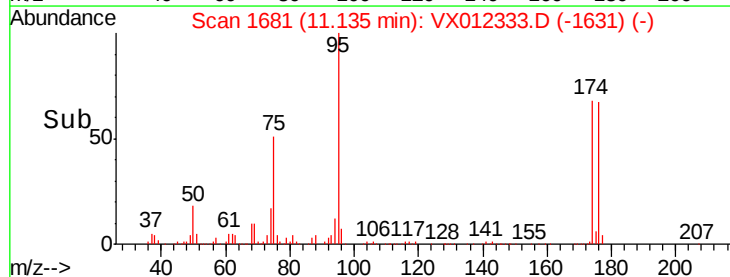
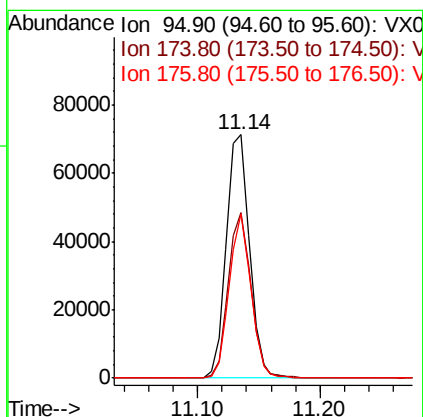
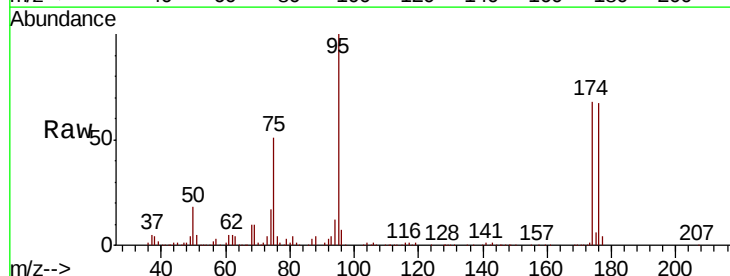
Instrument :
MSVOA_X
ClientSampleId :
T2-4-(0)

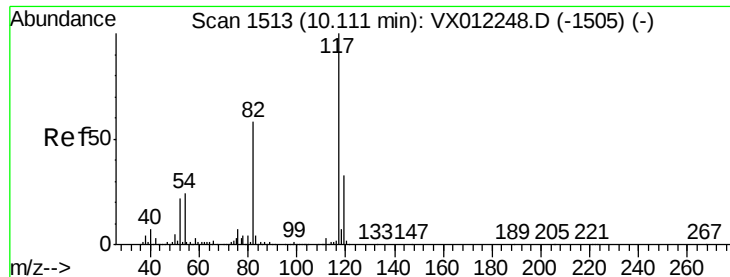
Tgt Ion: 98 Resp: 318399
Ion Ratio Lower Upper
98 100
100 67.4 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 31.807 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012333.D
Acq: 12 Sep 2019 06:30

Tgt Ion: 95 Resp: 93790
Ion Ratio Lower Upper
95 100
174 66.5 0.0 127.0
176 63.0 0.0 125.8

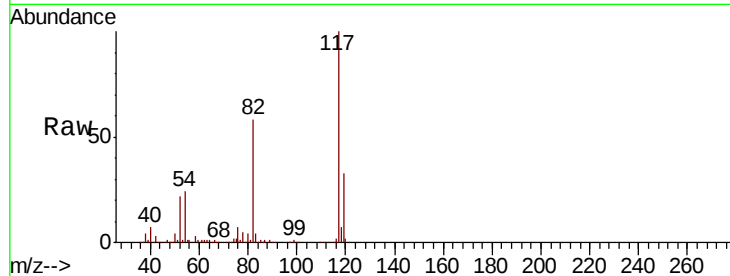




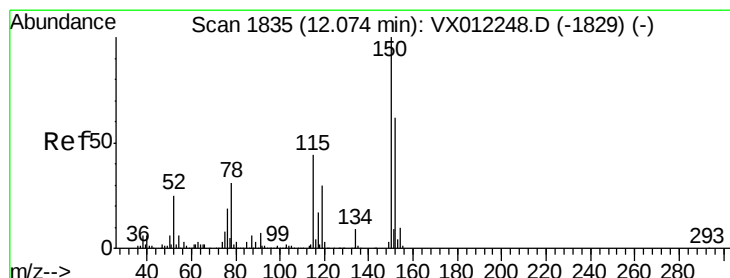
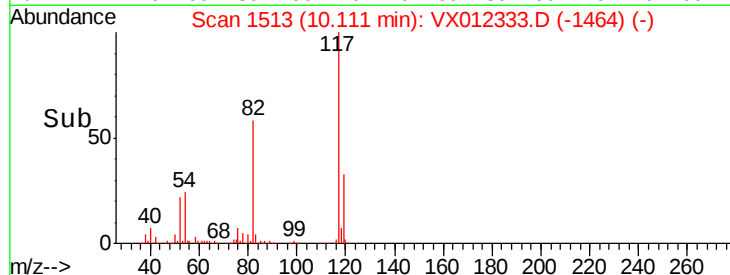
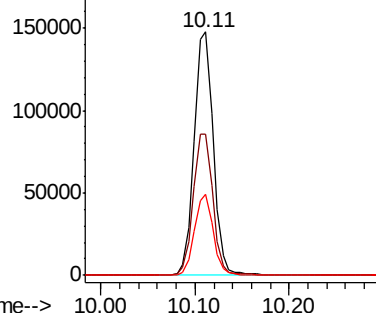
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012333.D
Acq: 12 Sep 2019 06:30

Instrument :
MSVOA_X
ClientSampleId :
T2-4-(0)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	33.1	26.6	39.8

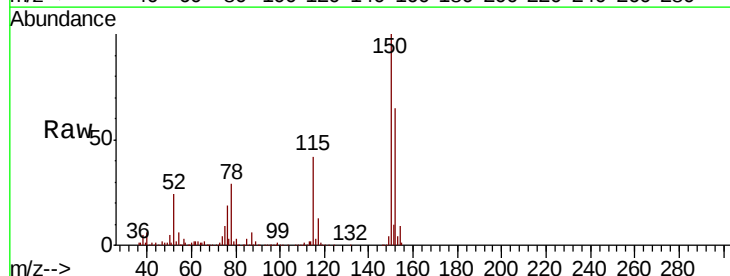


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

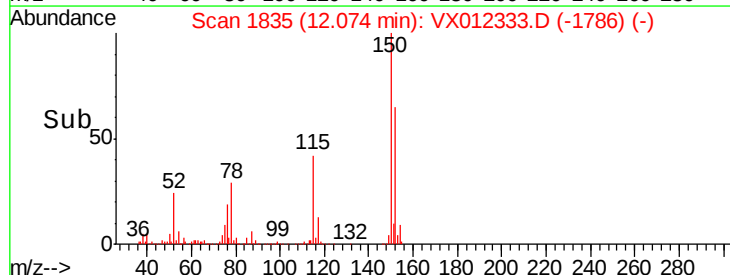
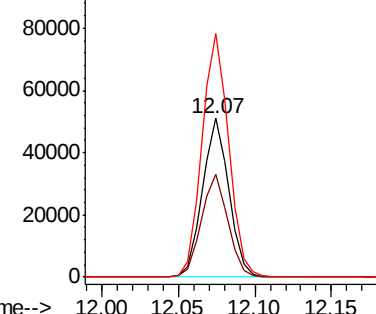


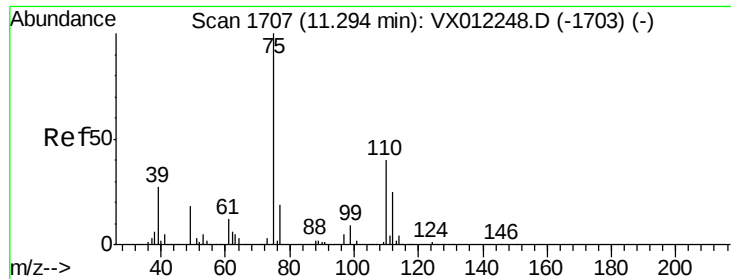
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012333.D
Acq: 12 Sep 2019 06:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	45.5	136.4
150	155.2	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

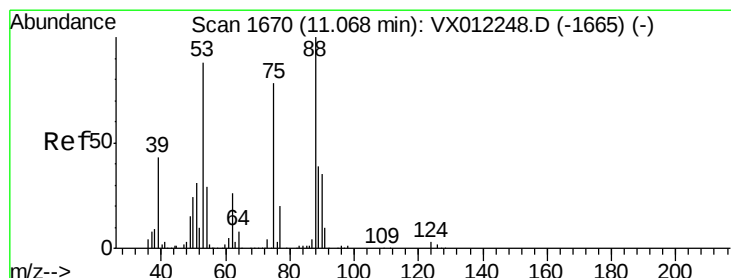
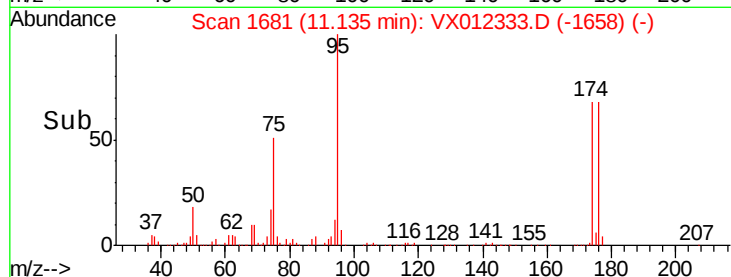
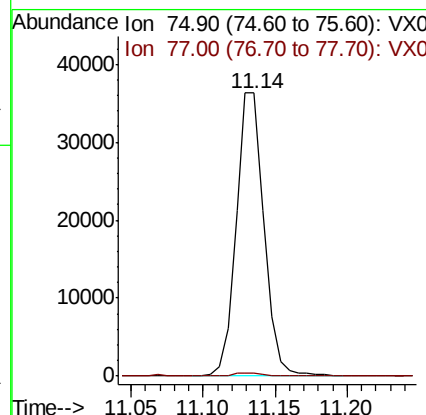
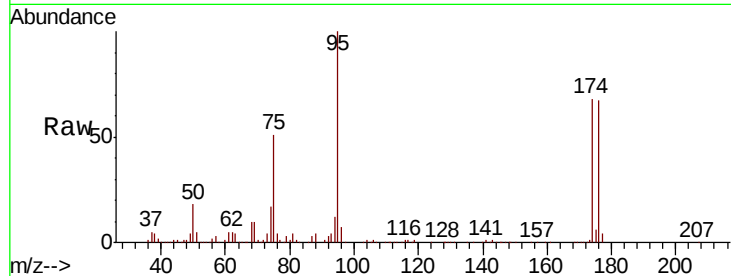




#76
 1,2,3-Trichloropropane
 Concen: 62.682 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012333.D
 Acq: 12 Sep 2019 06:30

Instrument :
 MSVOA_X
 ClientSampled :
 T2-4-(0)

Tgt Ion: 75 Resp: 49103
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 187.810 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012333.D
 Acq: 12 Sep 2019 06:30

Tgt Ion: 75 Resp: 49103
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.1 132.1#
 89 0.0 43.5 65.3#

