

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012345.D
 Acq On : 12 Sep 2019 14:05
 Operator : SY/SP
 Sample : K4694-13RE
 Misc : 2.31g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2(0)RE

Quant Time: Sep 13 01:58:03 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	153237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	259170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	177560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	46066	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	104855	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	5.48	113	77825	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	8.71	98	282907	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.14	95	72698	26.91	ug/l	0.00
Spiked Amount			Recovery	=	53.82%	

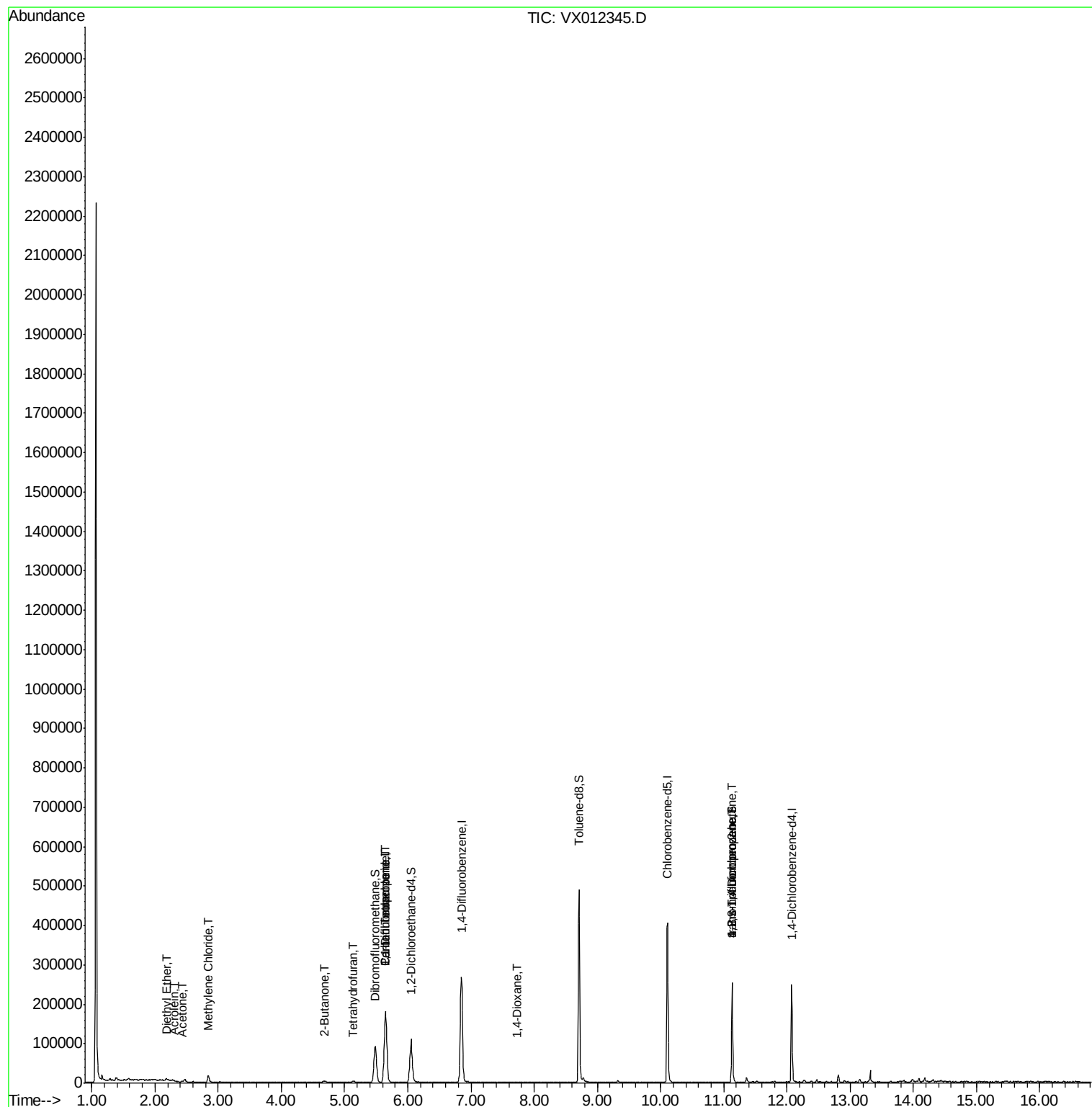
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	75	Below Cal	#	3
8) Diethyl Ether	2.18	74	1036	1.498	ug/l	84
11) Tert butyl alcohol	3.03	59	1468	Below Cal	#	85
13) Acrolein	2.30	56	408	3.603	ug/l #	46
16) Acetone	2.43	43	2095	4.085	ug/l	94
20) Methylene Chloride	2.84	84	7537	2.191	ug/l	97
25) 2-Butanone	4.67	43	851	1.298	ug/l #	59
29) Tetrahydrofuran	5.14	42	3176	8.978	ug/l	97
36) 1,1-Dichloropropene	5.65	75	13870	7.339	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17858	8.054	ug/l #	15
49) 1,4-Dioxane	7.73	88	42	2.640	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	38667	65.340	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	38667	195.772	ug/l #	5

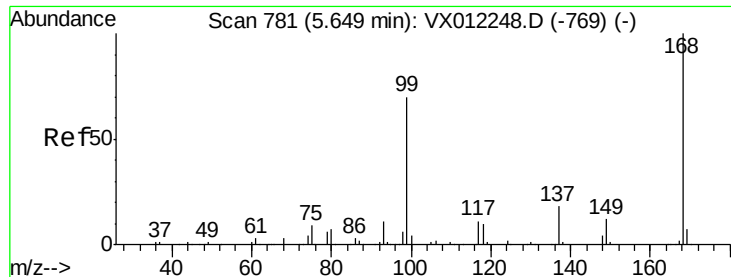
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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T2-2-(0)RE

Quant Time: Sep 13 01:58:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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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: VX012345.D

Acq: 12 Sep 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

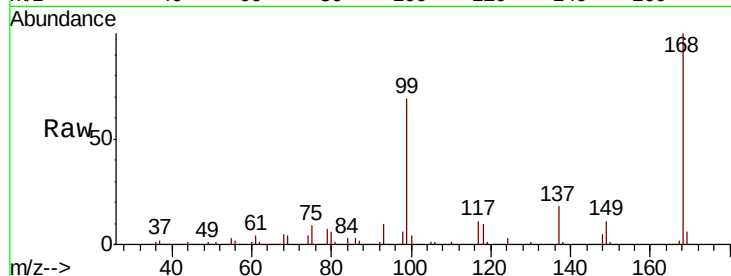
T2-2-(0)RE

Tgt Ion: 168 Resp: 153237

Ion Ratio Lower Upper

168 100

99 68.9 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

50000

40000

30000

20000

10000

0

Time--> 5.50 5.60 5.70

5.65

5.65

5.65

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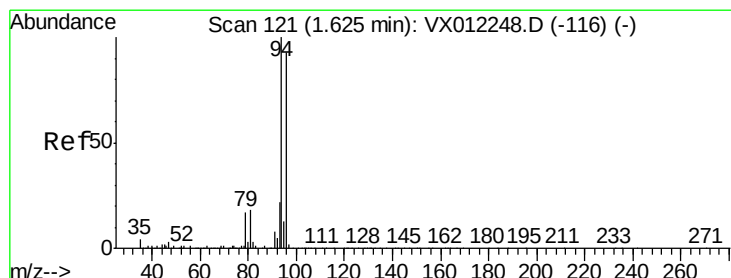
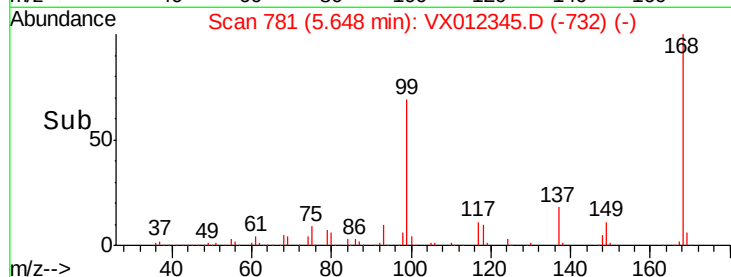
5.65

5.65

5.65

5.65

5.65



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX012345.D

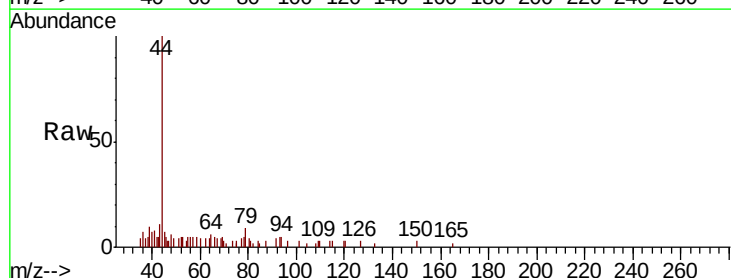
Acq: 12 Sep 2019 14:05

Tgt Ion: 94 Resp: 75

Ion Ratio Lower Upper

94 100

96 0.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

100

50

0

Time--> 1.60 1.61 1.62 1.63

1.61

1.61

1.61

1.61

1.61

1.61

1.61

1.61

1.61

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1.61

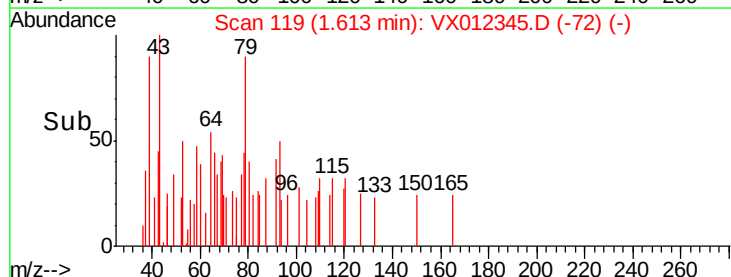
1.61

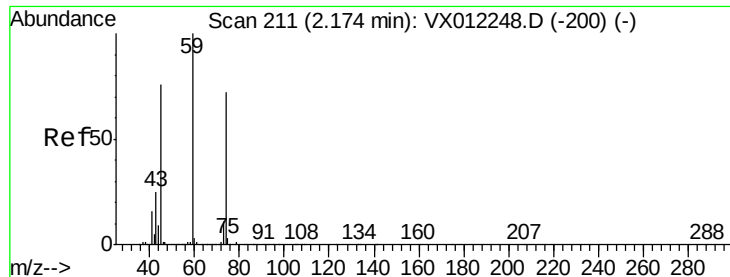
1.61

1.61

1.61

1.61





#8

Diethyl Ether

Concen: 1.498 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012345.D

Acq: 12 Sep 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

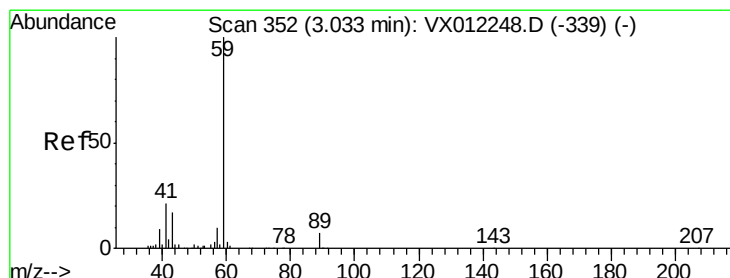
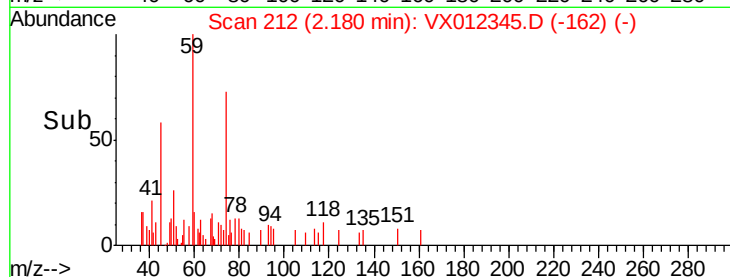
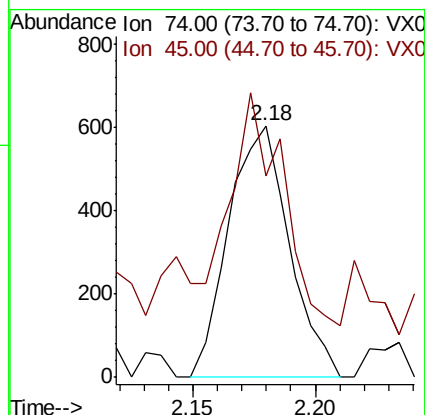
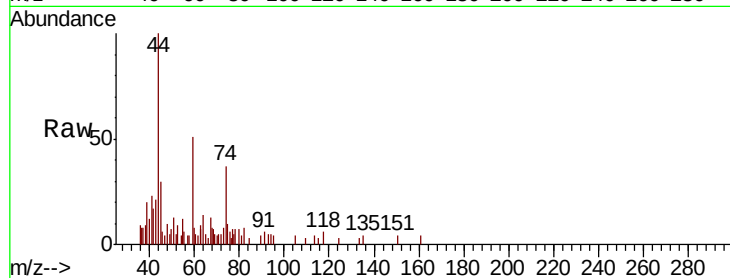
T2-2-(0)RE

Tgt Ion: 74 Resp: 1036

Ion Ratio Lower Upper

74 100

45 86.3 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012345.D

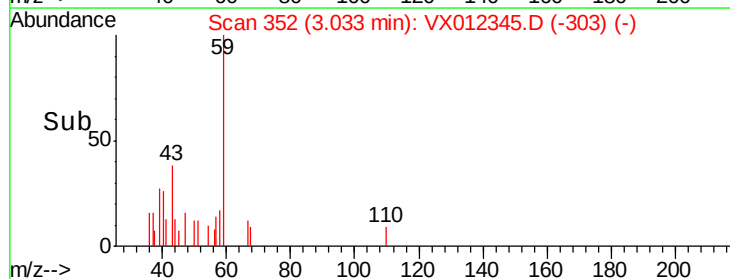
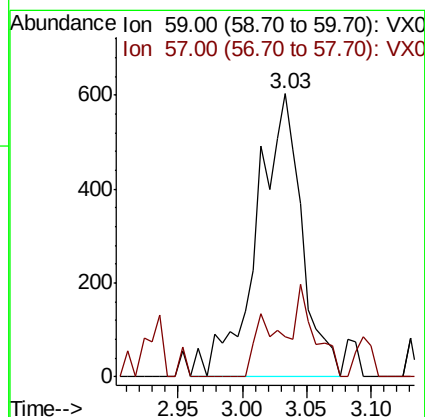
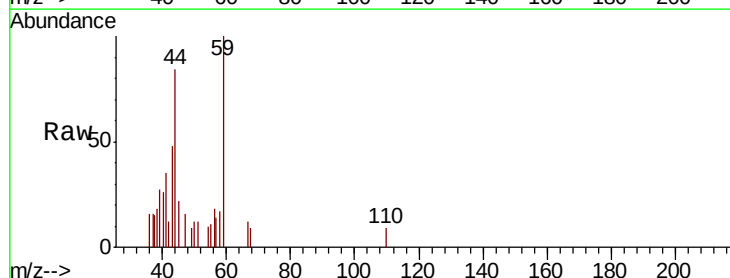
Acq: 12 Sep 2019 14:05

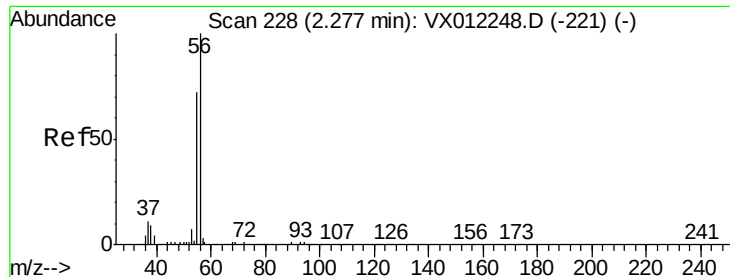
Tgt Ion: 59 Resp: 1468

Ion Ratio Lower Upper

59 100

57 15.1 7.8 11.6#





#13

Acrolein

Concen: 3.603 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.02 min

Lab File: VX012345.D

Acq: 12 Sep 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

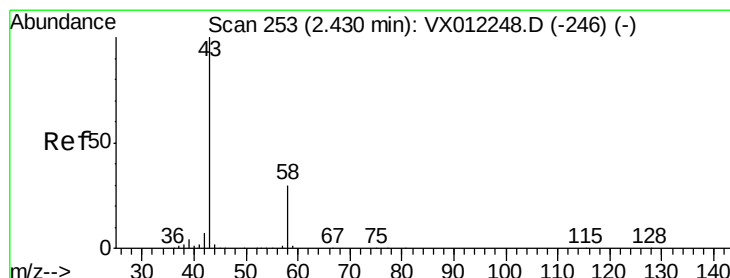
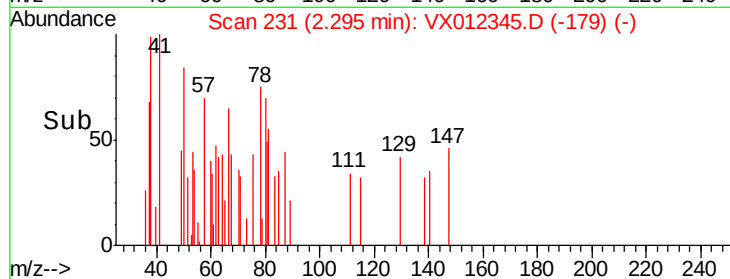
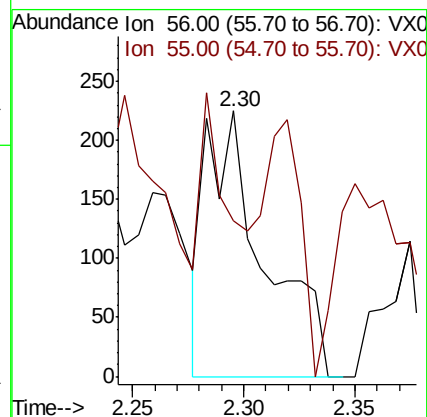
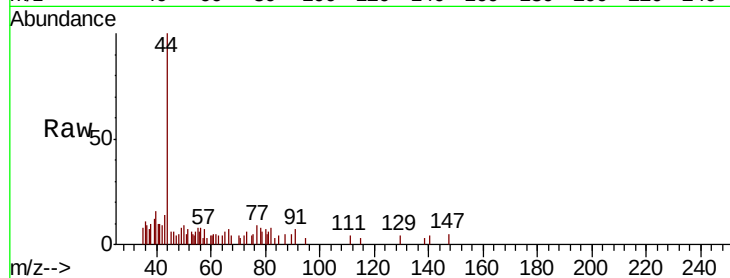
T2-2(0)RE

Tgt Ion: 56 Resp: 408

Ion Ratio Lower Upper

56 100

55 29.2 59.8 89.6#



#16

Acetone

Concen: 4.085 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012345.D

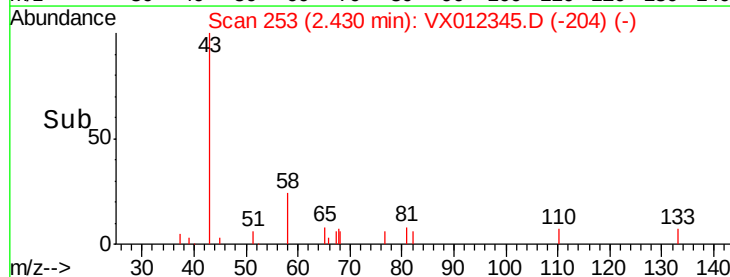
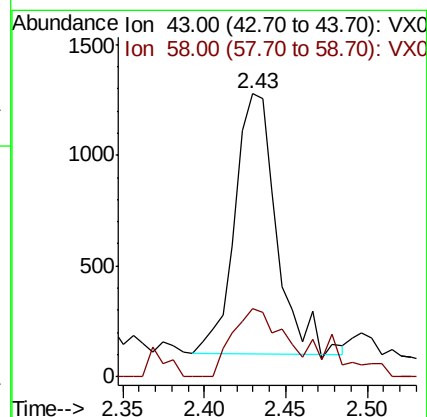
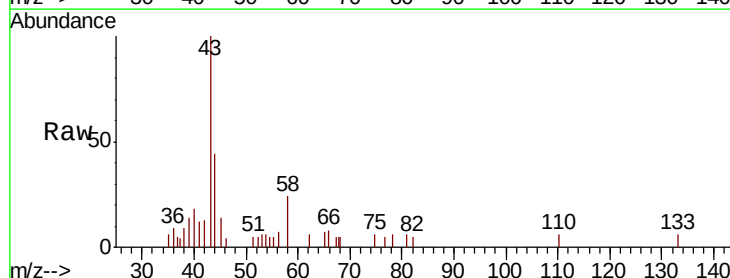
Acq: 12 Sep 2019 14:05

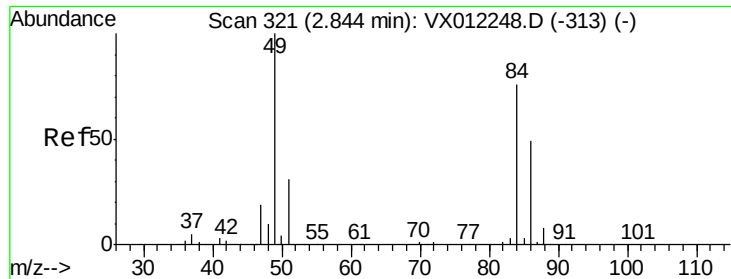
Tgt Ion: 43 Resp: 2095

Ion Ratio Lower Upper

43 100

58 26.4 23.6 35.4

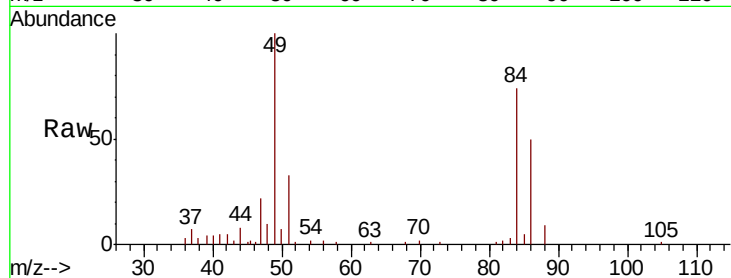




#20
Methylene Chloride
Concen: 2.191 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012345.D
Acq: 12 Sep 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
T2-2-(0)RE

Tgt Ion:	84	Resp:	7537
Ion	Ratio	Lower	Upper
84	100		
49	133.2	105.0	157.6
51	44.3	32.6	48.8
86	66.9	51.8	77.6



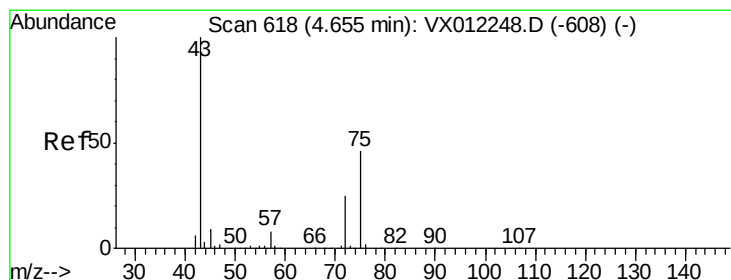
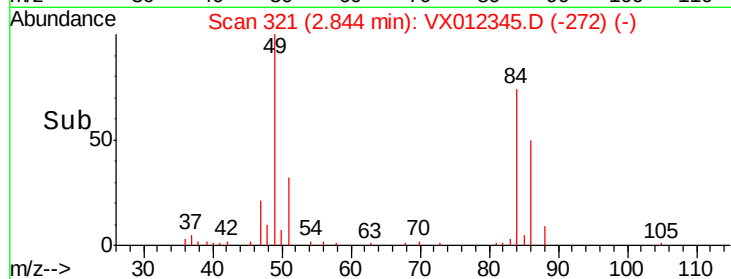
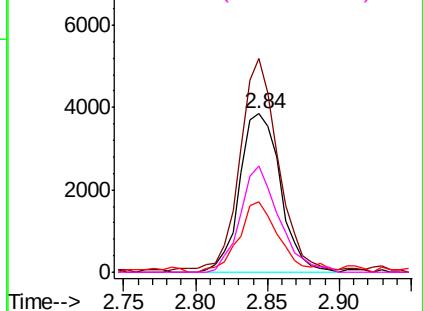
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

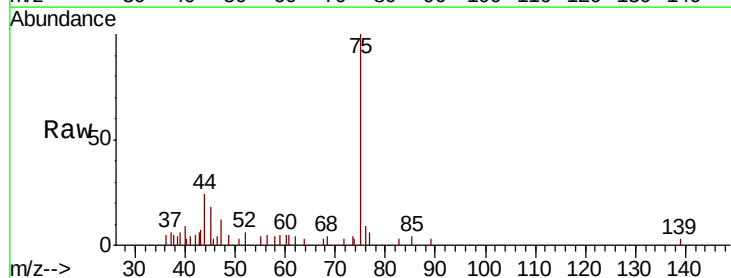
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25
2-Butanone
Concen: 1.298 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012345.D
Acq: 12 Sep 2019 14:05

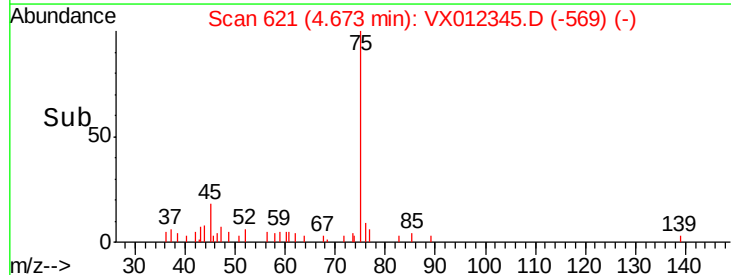
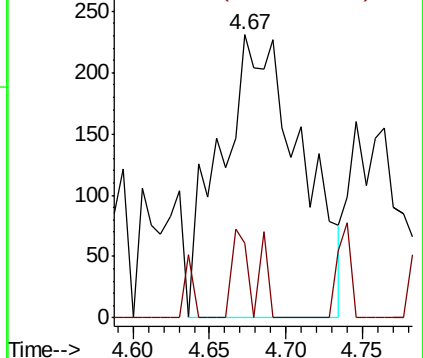
Tgt Ion:	43	Resp:	851
Ion	Ratio	Lower	Upper
43	100		
72	4.3	20.2	30.2#

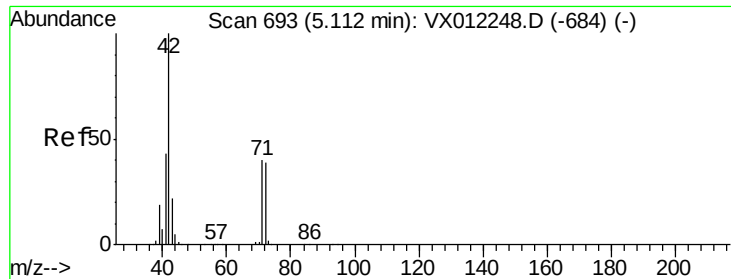


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

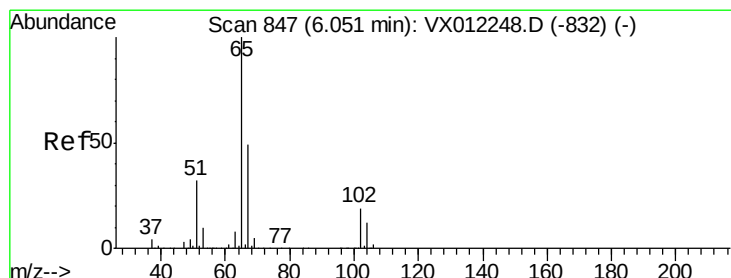
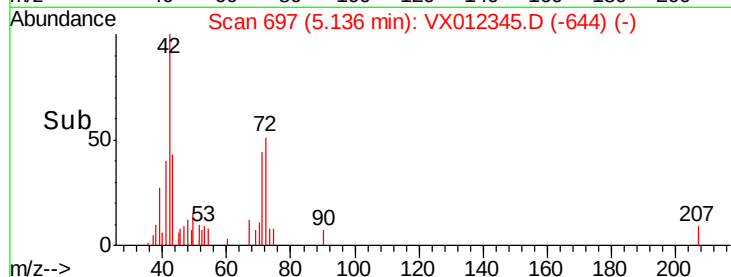
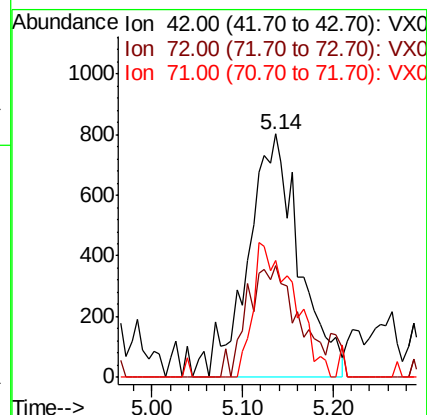
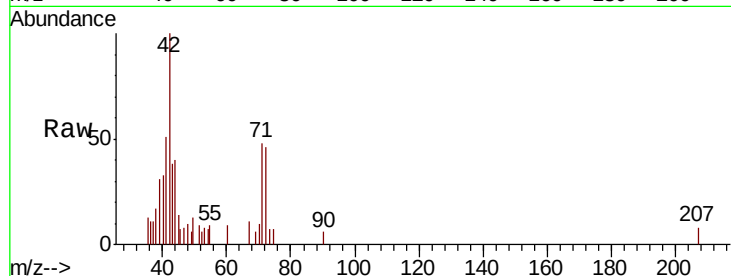




#29
Tetrahydrofuran
Concen: 8.978 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX012345.D
Acq: 12 Sep 2019 14:05

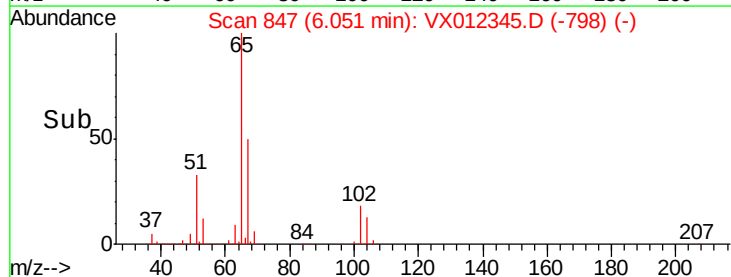
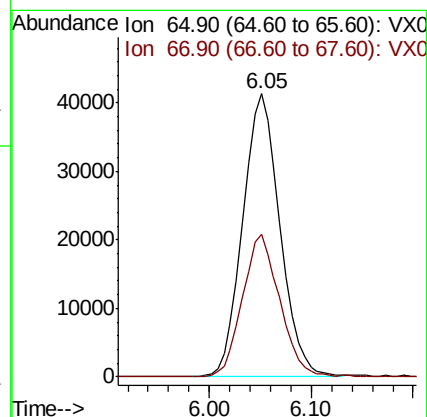
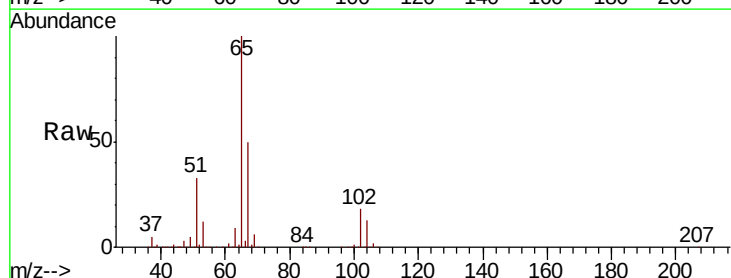
Instrument :
MSVOA_X
ClientSampled :
T2-2-(0)RE

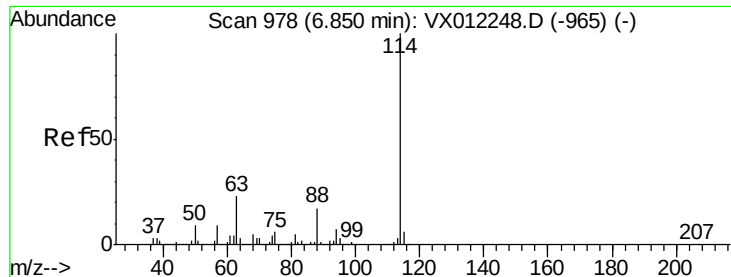
Tgt Ion: 42 Resp: 3176
Ion Ratio Lower Upper
42 100
72 44.9 35.2 52.8
71 43.7 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 48.399 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012345.D
Acq: 12 Sep 2019 14:05

Tgt Ion: 65 Resp: 104855
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.8

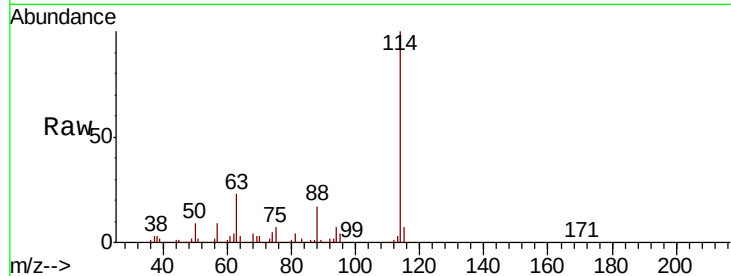




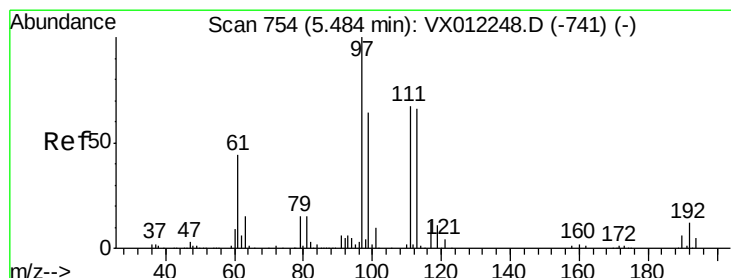
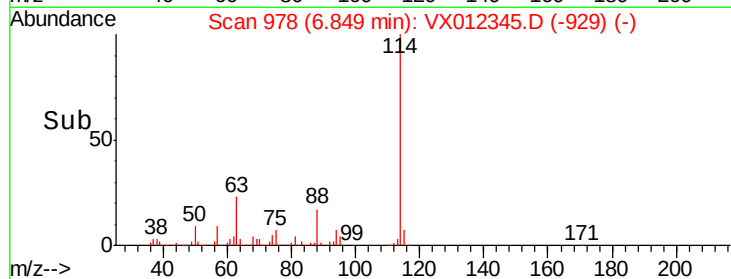
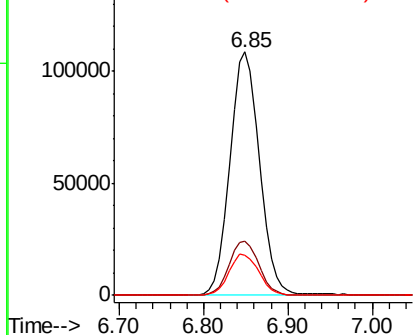
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(0)RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.2
88	16.6	0.0	34.8

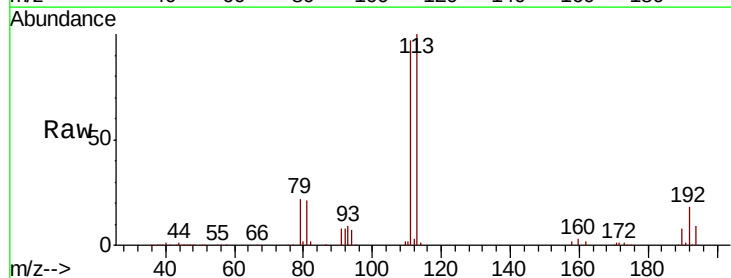


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

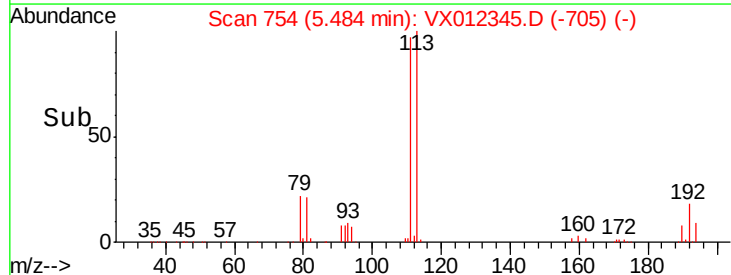
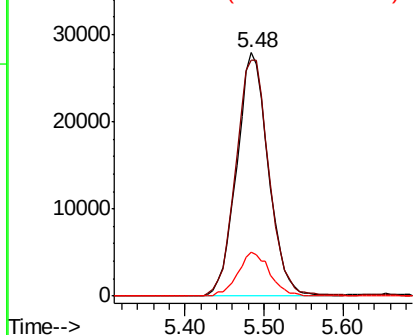


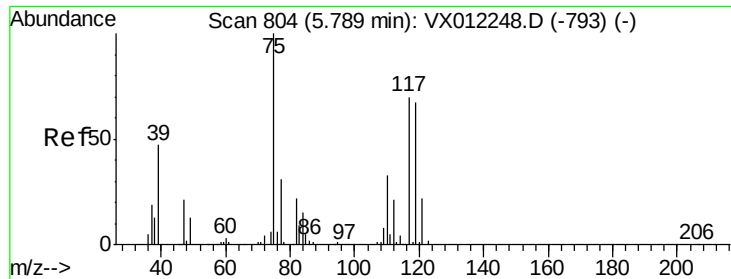
#35
 Dibromofluoromethane
 Concen: 46.843 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.6
192	18.2	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

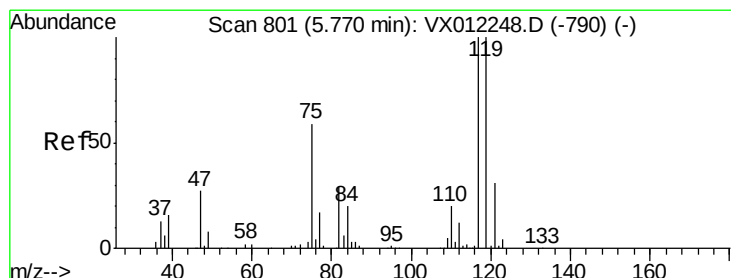
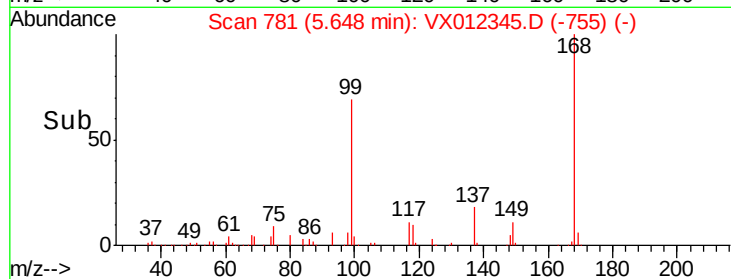
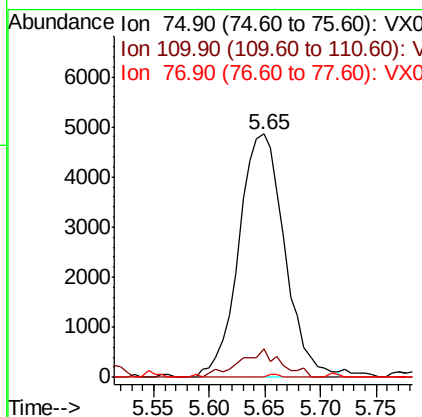
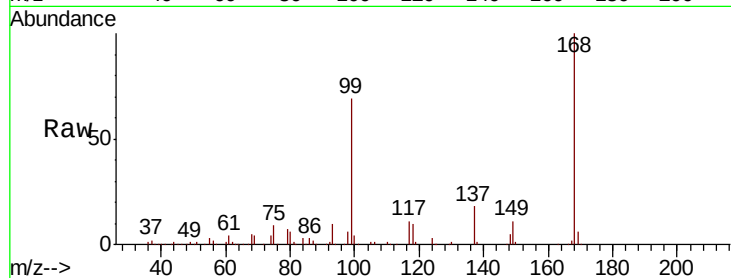




#36
 1,1-Dichloropropene
 Concen: 7.339 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

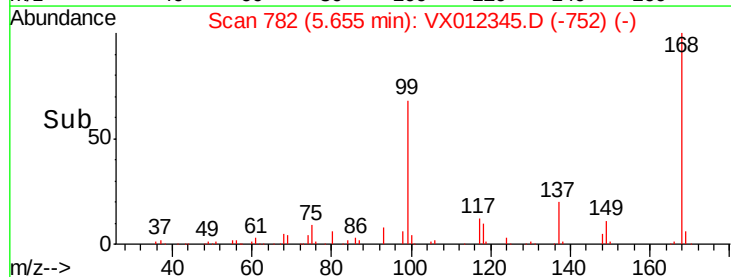
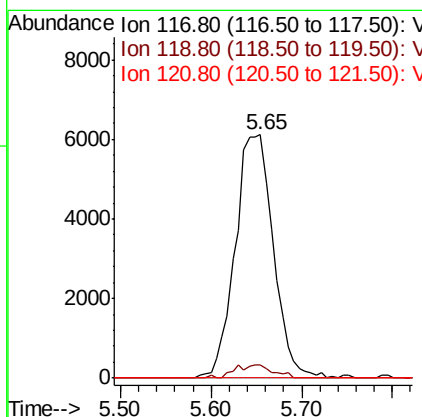
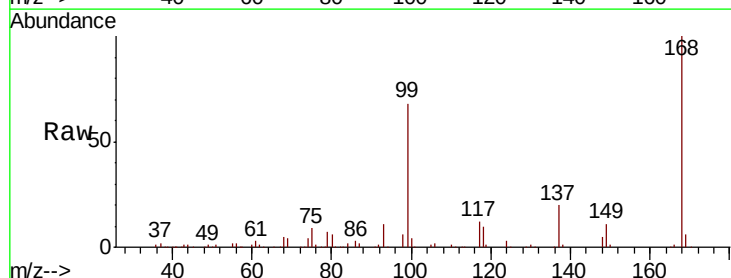
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(0)RE

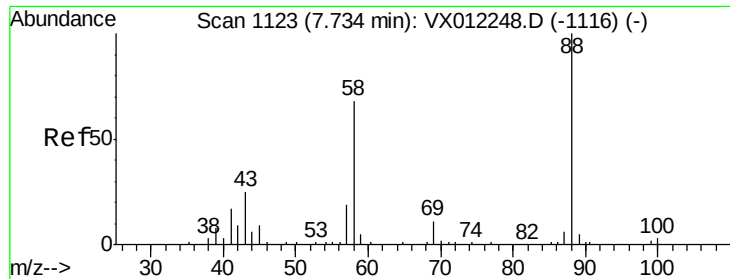
Tgt Ion: 75 Resp: 13870
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.8 50.4#
 77 0.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.054 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

Tgt Ion: 117 Resp: 17858
 Ion Ratio Lower Upper
 117 100
 119 5.6 79.6 119.4#
 121 0.0 24.7 37.1#

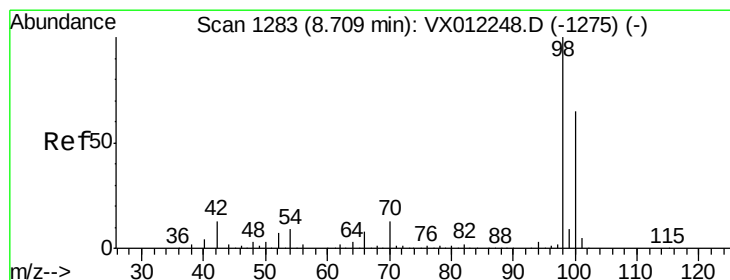
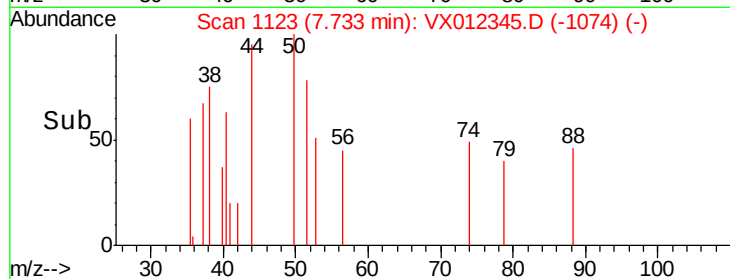
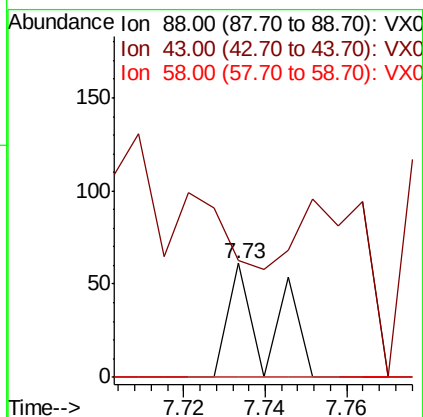
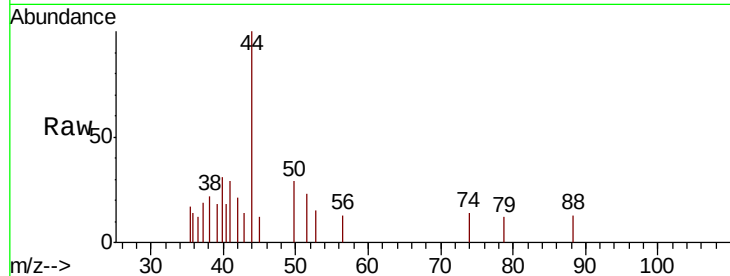




#49
1,4-Dioxane
Concen: 2.640 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012345.D
Acq: 12 Sep 2019 14:05

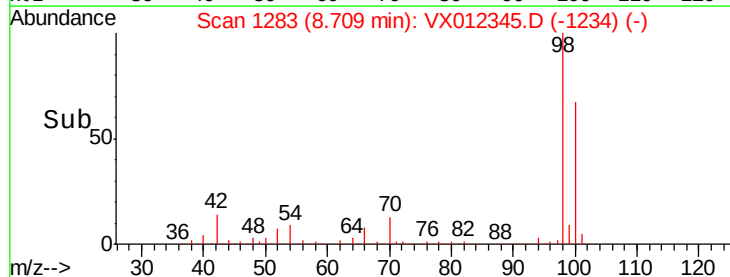
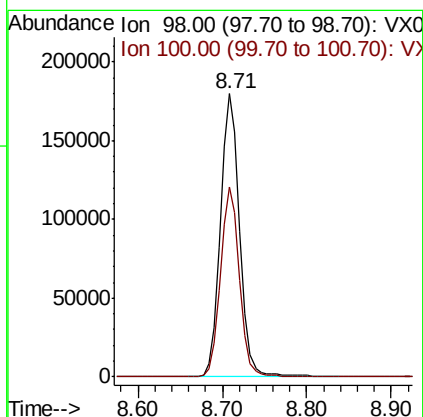
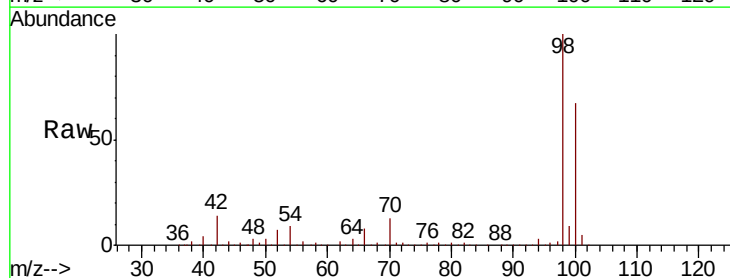
Instrument :
MSVOA_X
ClientSampleID :
T2-2(0)RE

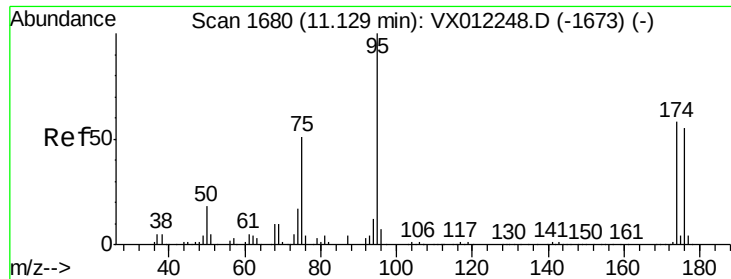
Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 295.2 31.0 46.4#
58 0.0 61.5 92.3#



#50
Toluene-d8
Concen: 48.550 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012345.D
Acq: 12 Sep 2019 14:05

Tgt Ion: 98 Resp: 282907
Ion Ratio Lower Upper
98 100
100 66.8 54.1 81.1

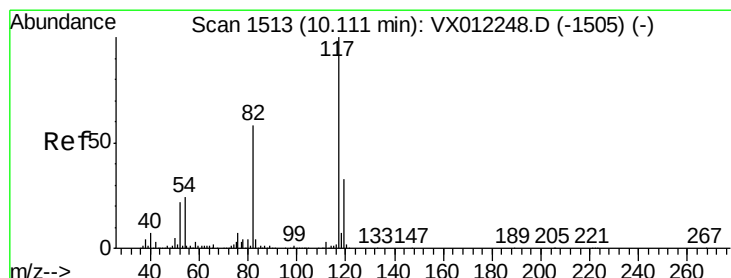
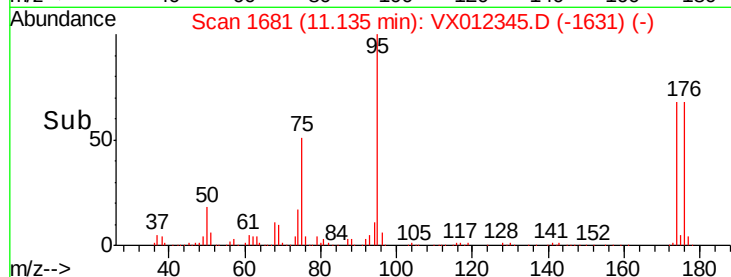
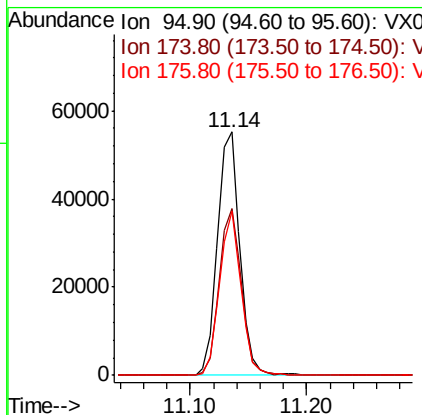
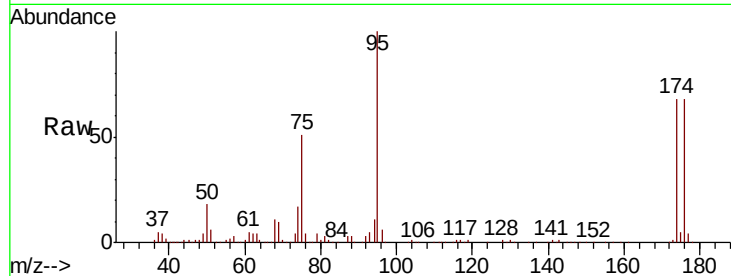




#62
 4-Bromofluorobenzene
 Concen: 26.911 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

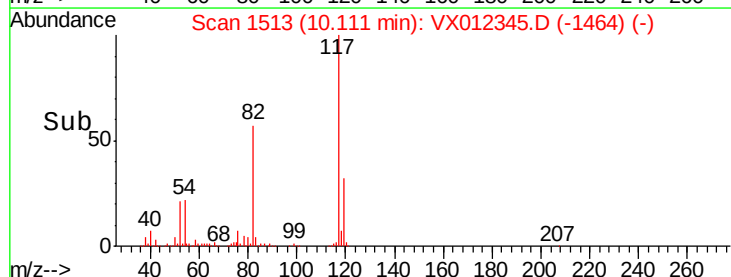
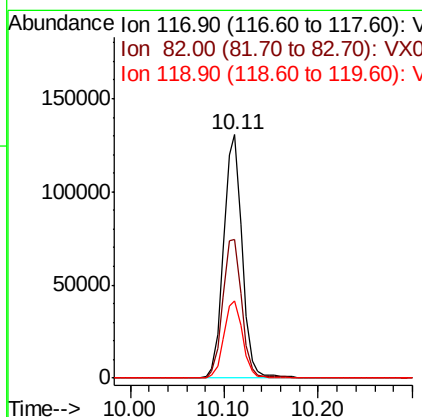
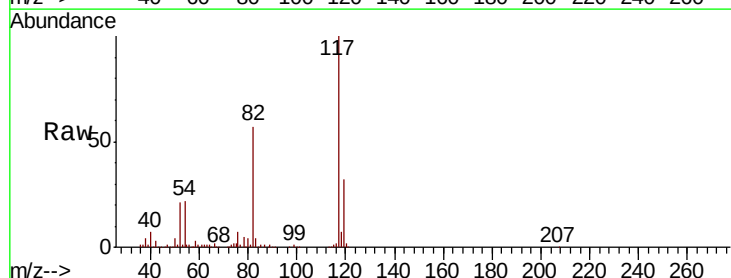
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(0)RE

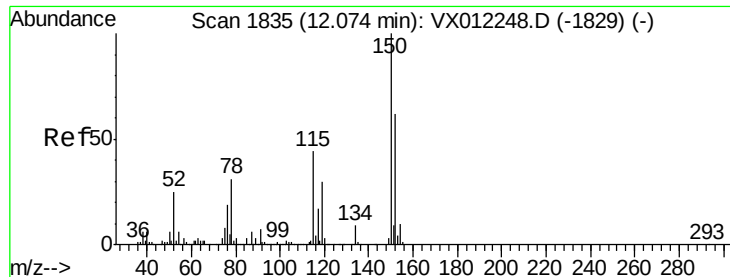
Tgt Ion: 95 Resp: 72698
 Ion Ratio Lower Upper
 95 100
 174 68.1 0.0 127.0
 176 65.2 0.0 125.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

Tgt Ion: 117 Resp: 177560
 Ion Ratio Lower Upper
 117 100
 82 57.1 46.4 69.6
 119 31.7 26.6 39.8

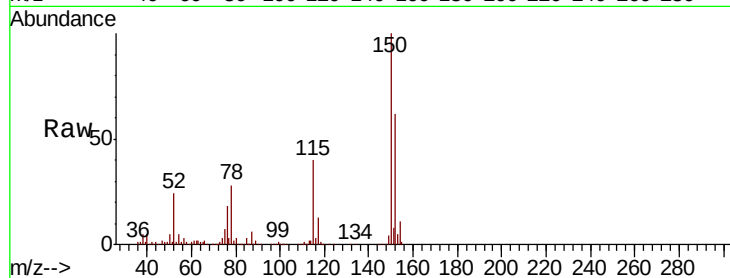




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(0)RE

Tgt Ion	Resp	Lower	Upper
152	100		
115	65.9	45.5	136.4
150	158.0	0.0	346.4

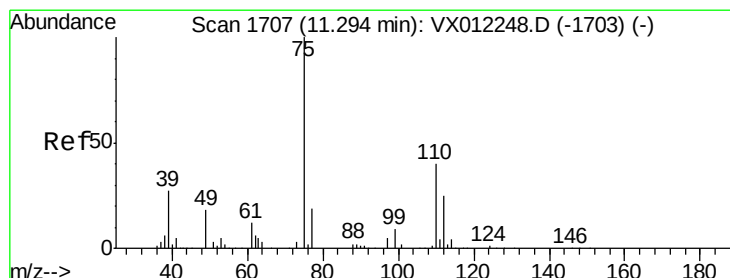
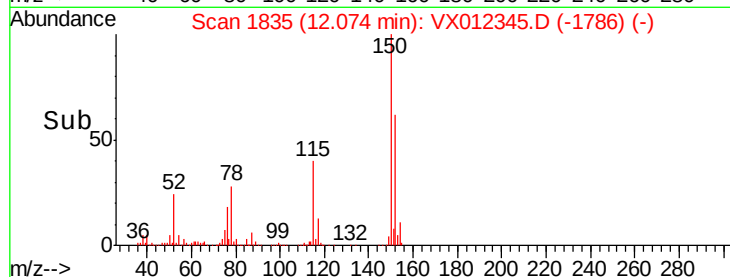
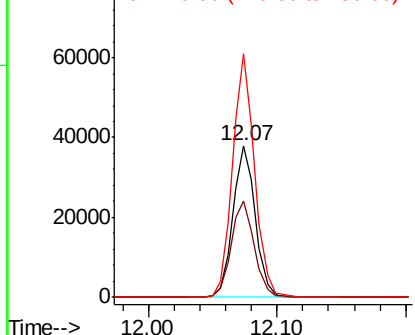


Abundance

Ion 151.90 (151.60 to 152.60): V

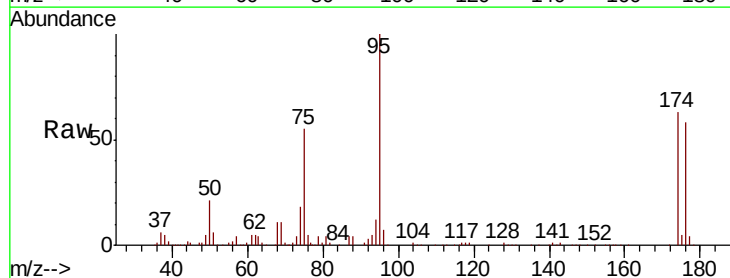
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76
 1,2,3-Trichloropropane
 Concen: 65.340 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012345.D
 Acq: 12 Sep 2019 14:05

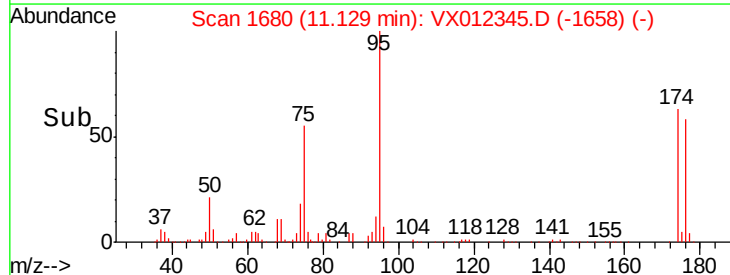
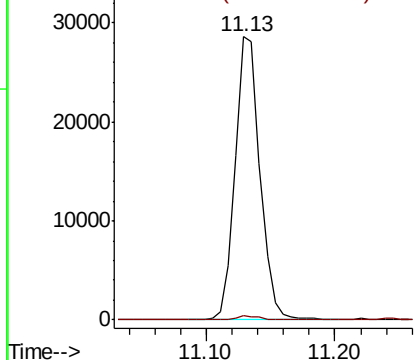
Tgt Ion	Resp	Lower	Upper
75	100		
77	1.4	19.7	59.0#

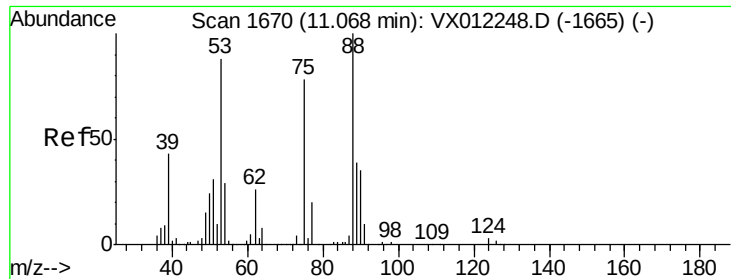


Abundance

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: 195.772 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012345.D

Acq: 12 Sep 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

T2-2-(0)RE

Tgt Ion: 75 Resp: 38667

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.1 43.5 65.3#

