

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012394.D
 Acq On : 13 Sep 2019 18:42
 Operator : SY/SP
 Sample : K4694-02RE
 Misc : 2.34g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-1-(0)

Quant Time: Sep 14 00:06:15 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	161053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	276584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	73253	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	107265	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	5.48	113	82518	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
50) Toluene-d8	8.71	98	313967	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.14	95	100164	34.74	ug/l	0.00
Spiked Amount			Recovery	=	69.48%	

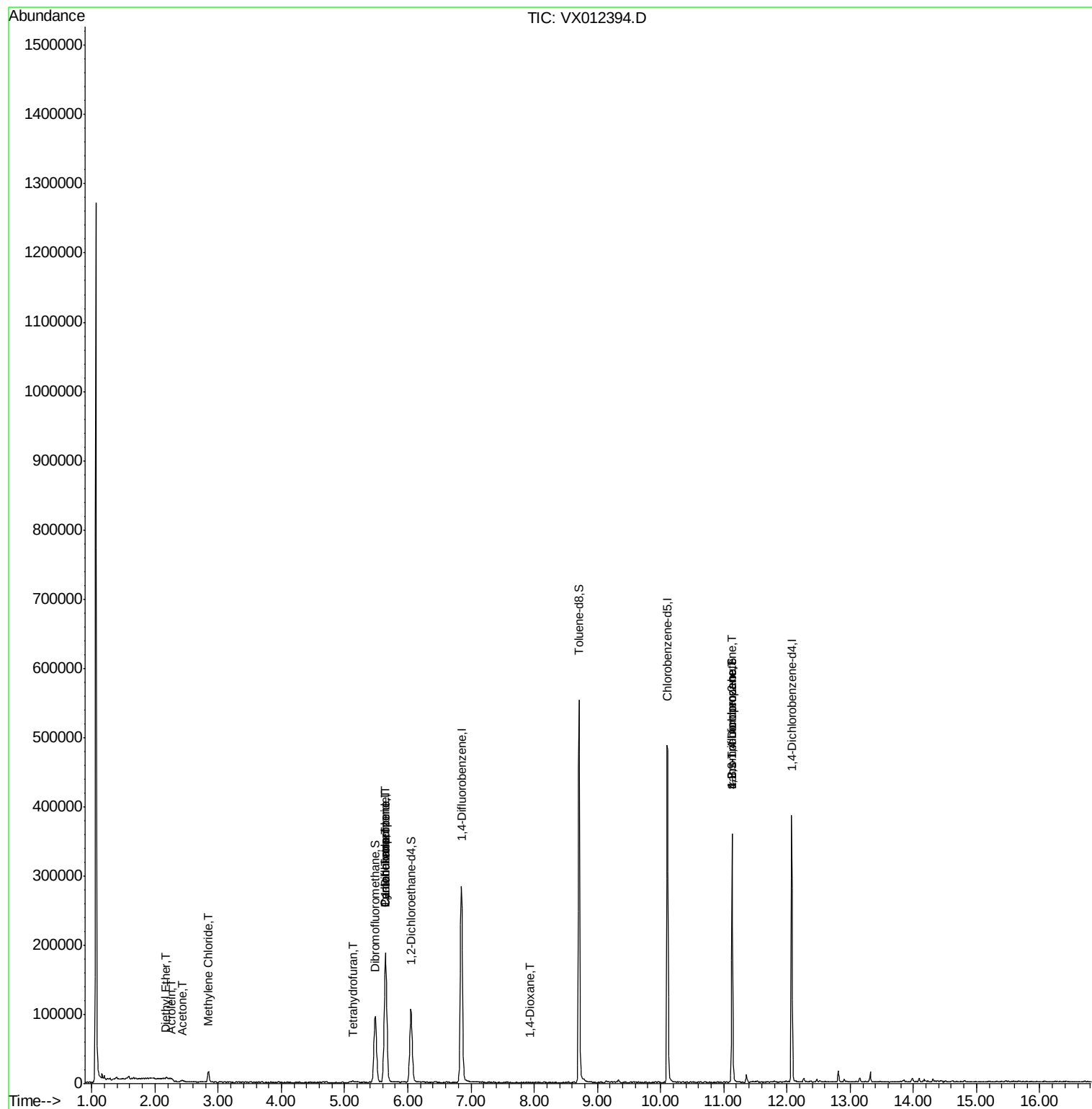
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	234	Below Cal	#	33
8) Diethyl Ether	2.17	74	826	1.137	ug/l	79
11) Tert butyl alcohol	3.03	59	332	Below Cal	#	22
13) Acrolein	2.26	56	399	3.352	ug/l #	50
16) Acetone	2.43	43	2201	4.083	ug/l	92
20) Methylene Chloride	2.84	84	7184	1.728	ug/l	94
29) Tetrahydrofuran	5.14	42	1611	4.333	ug/l	91
31) Cyclohexane	5.65	56	4166	1.970	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13806	6.846	ug/l #	53
38) Carbon Tetrachloride	5.64	117	18691	7.899	ug/l #	13
49) 1,4-Dioxane	7.93	88	20	1.178	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	52739	56.043	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	52739	167.918	ug/l #	5

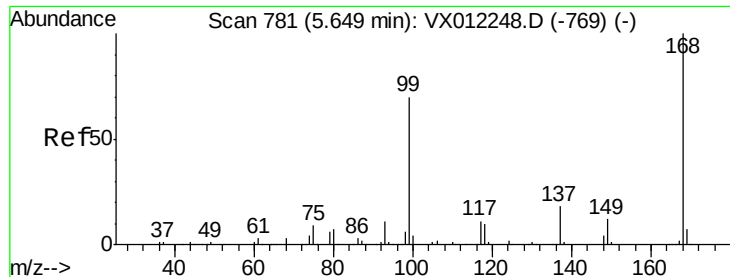
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012394.D

Acq: 13 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

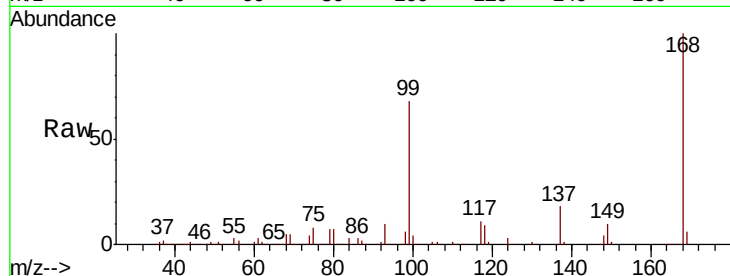
T1-1-(0)

Tgt Ion:168 Resp: 161053

Ion Ratio Lower Upper

168 100

99 67.8 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

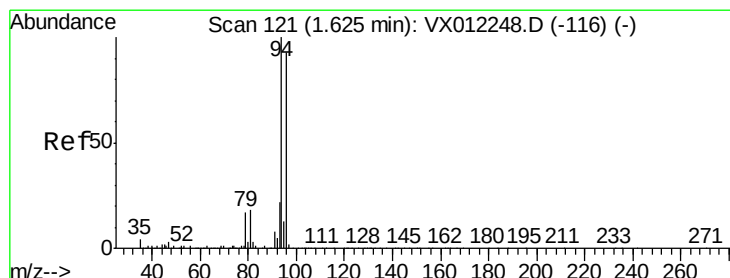
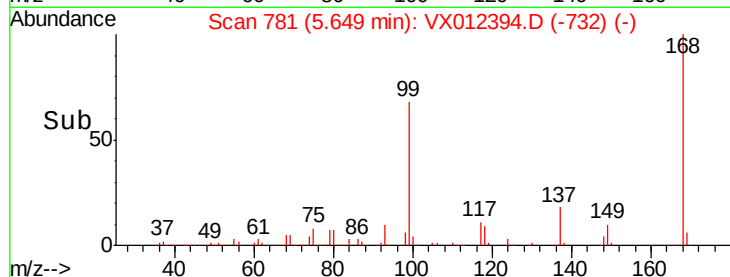
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012394.D

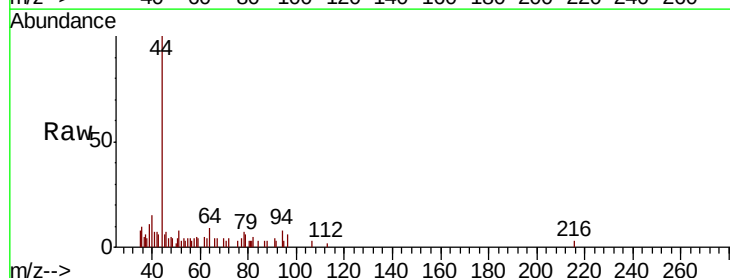
Acq: 13 Sep 2019 18:42

Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 28.1 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

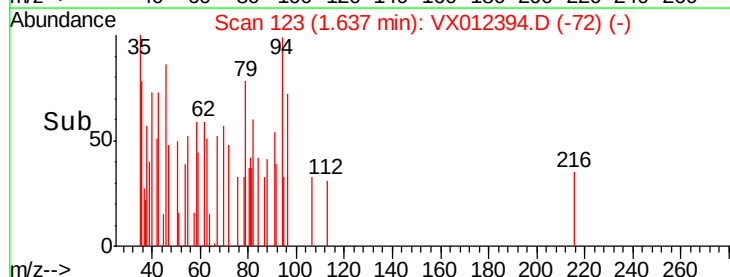
150

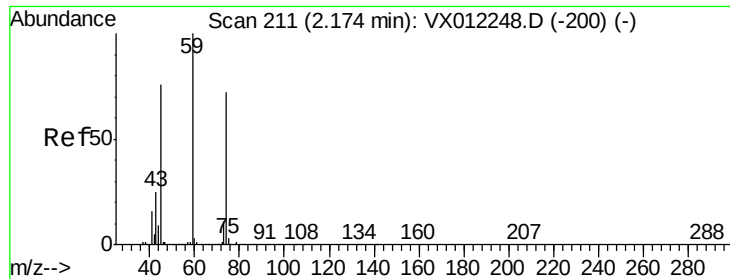
100

50

0

Time--> 1.62 1.64 1.66 1.68





#8

Diethyl Ether

Concen: 1.137 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012394.D

Acq: 13 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

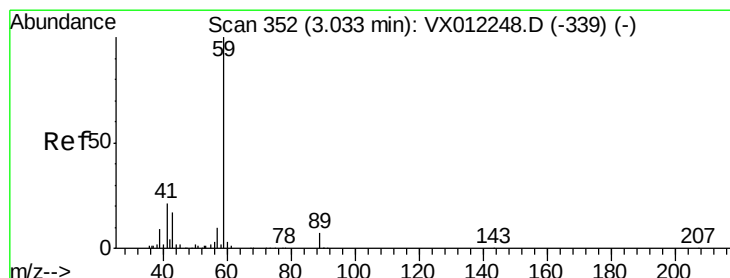
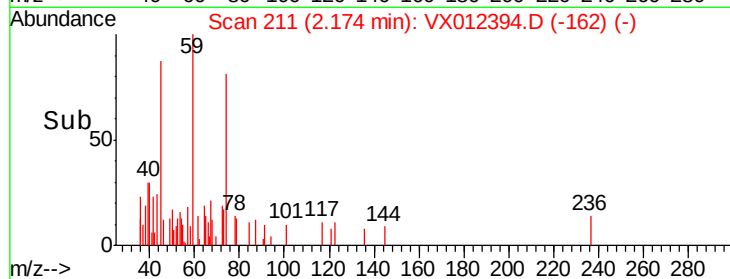
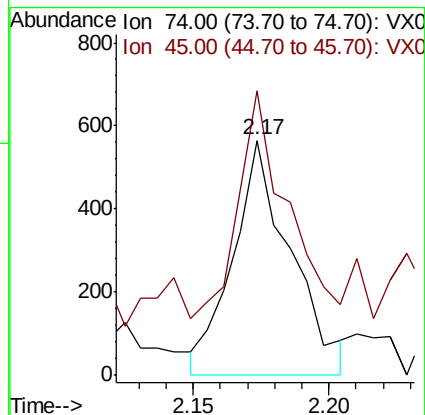
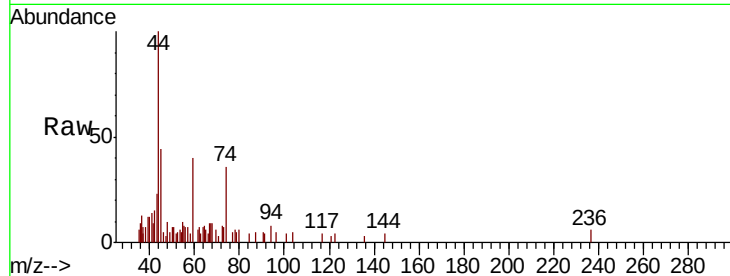
T1-1-(0)

Tgt Ion: 74 Resp: 826

Ion Ratio Lower Upper

74 100

45 80.9 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: VX012394.D

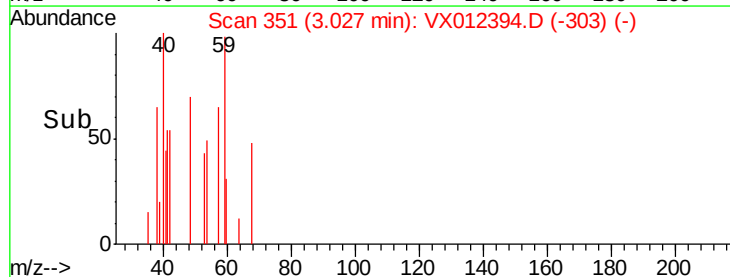
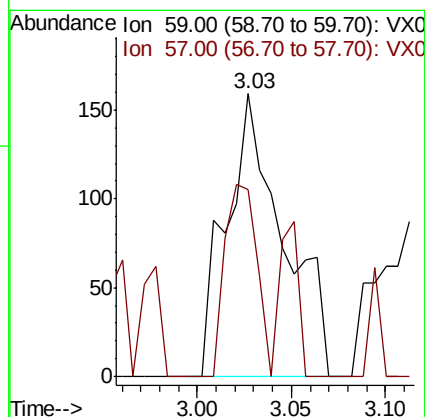
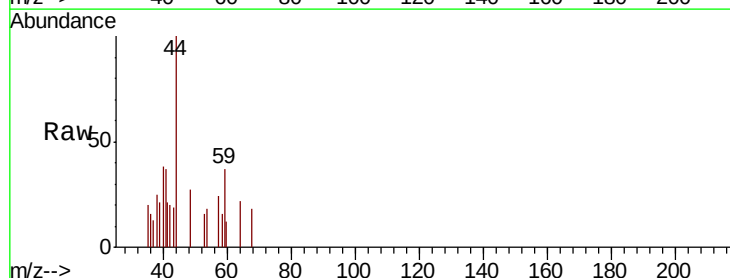
Acq: 13 Sep 2019 18:42

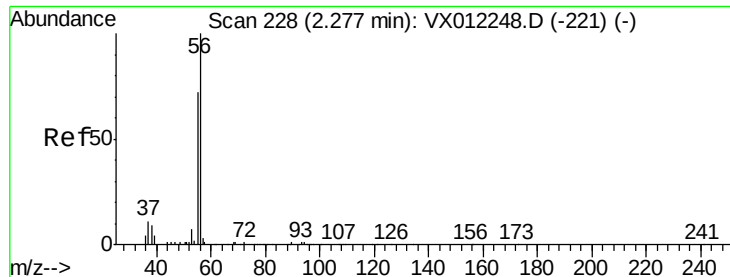
Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

59 100

57 38.3 7.8 11.6#





#13

Acrolein

Concen: 3.352 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012394.D

Acq: 13 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

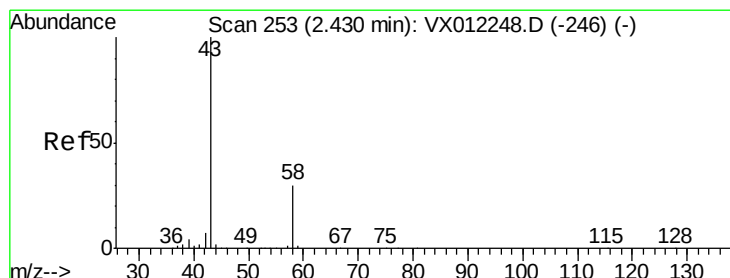
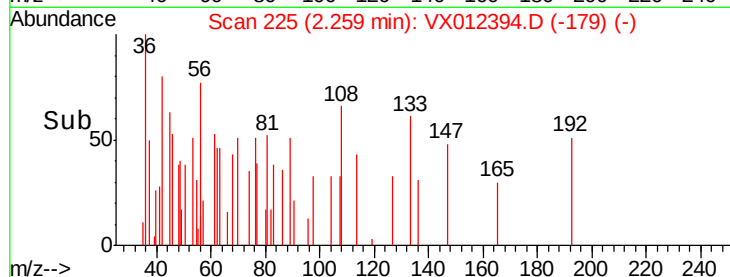
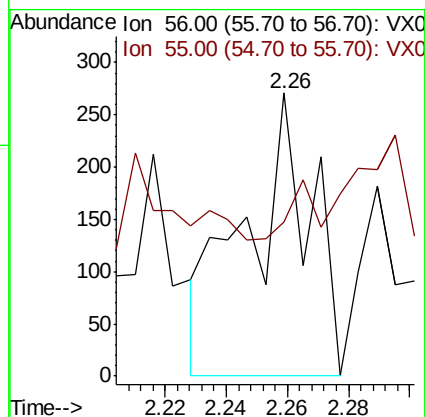
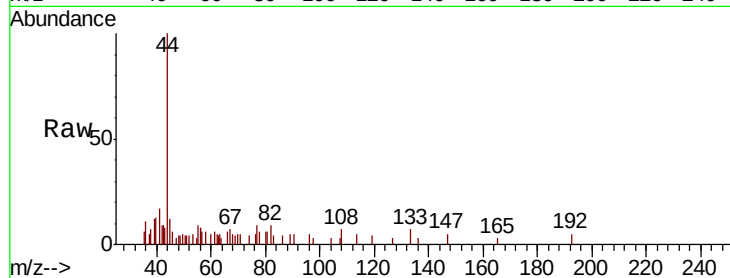
T1-1-(0)

Tgt Ion: 56 Resp: 399

Ion Ratio Lower Upper

56 100

55 32.1 59.8 89.6#



#16

Acetone

Concen: 4.083 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012394.D

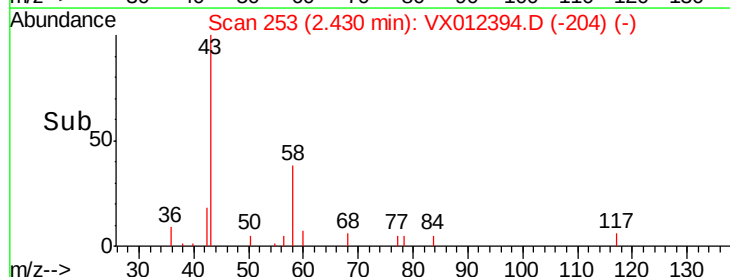
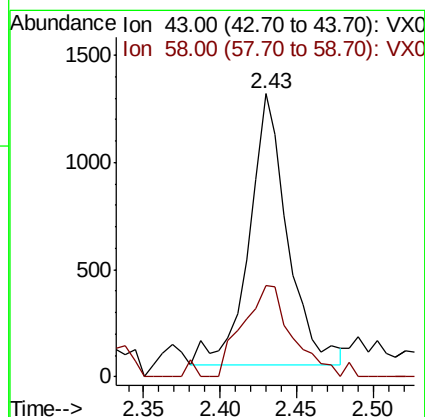
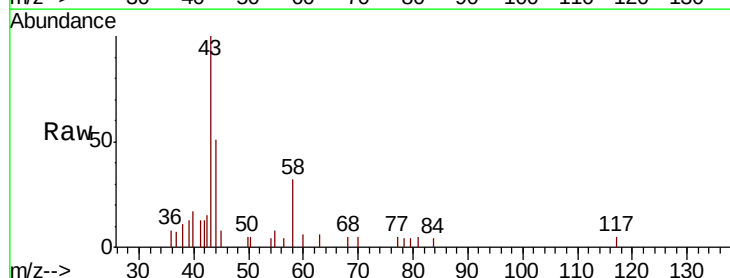
Acq: 13 Sep 2019 18:42

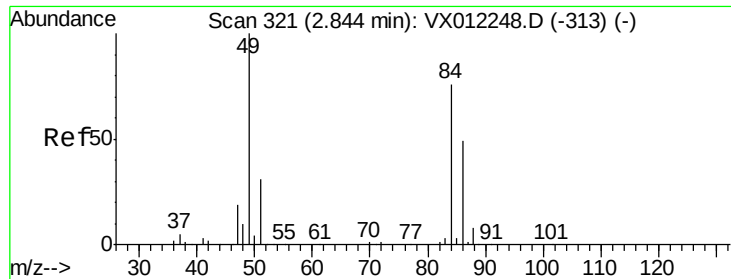
Tgt Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

58 33.6 23.6 35.4

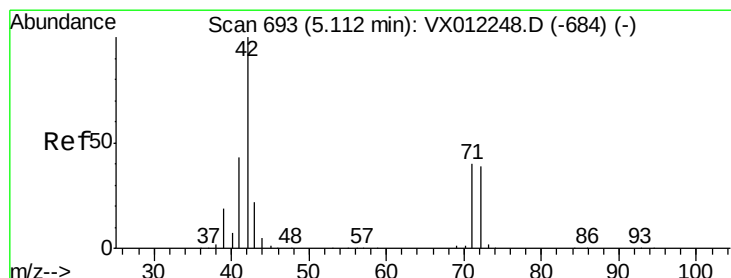
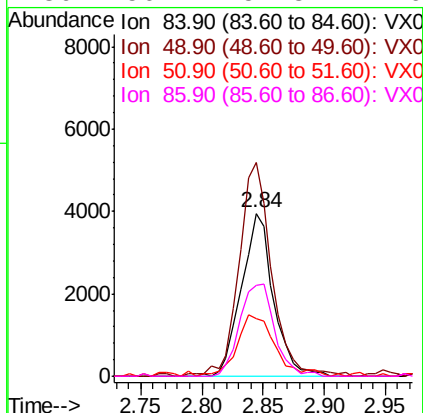
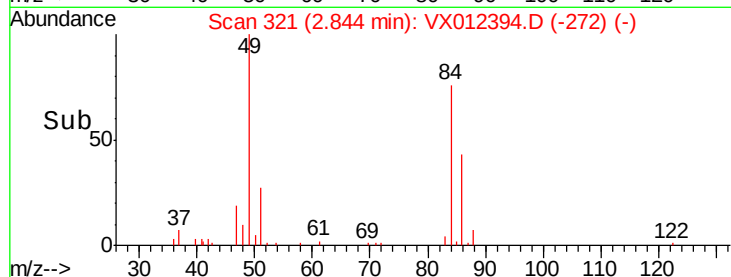
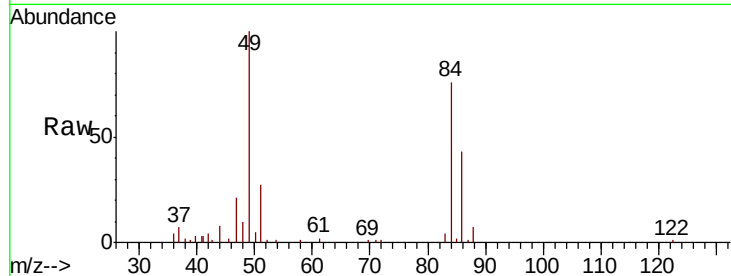




#20
Methylene Chloride
Concen: 1.728 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012394.D
Acq: 13 Sep 2019 18:42

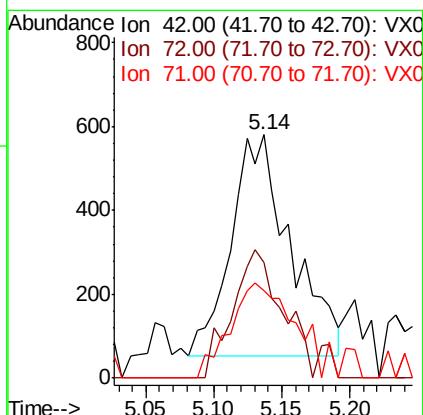
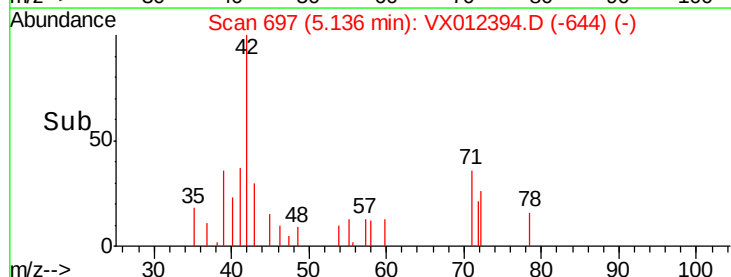
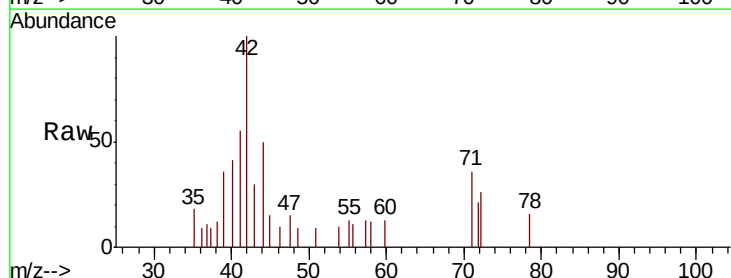
Instrument :
MSVOA_X
ClientSampleId :
T1-1-(0)

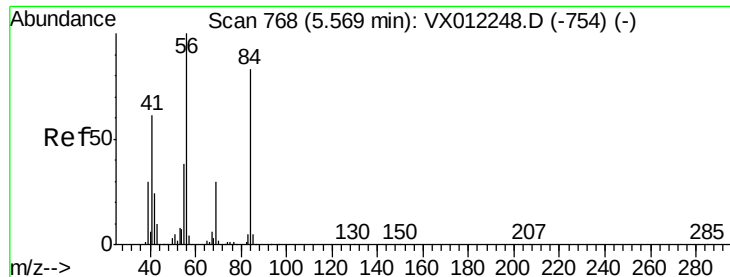
Tgt Ion:	84	Resp:	7184
Ion	Ratio	Lower	Upper
84	100		
49	129.7	105.0	157.6
51	34.3	32.6	48.8
86	56.1	51.8	77.6



#29
Tetrahydrofuran
Concen: 4.333 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX012394.D
Acq: 13 Sep 2019 18:42

Tgt Ion:	42	Resp:	1611
Ion	Ratio	Lower	Upper
42	100		
72	48.8	35.2	52.8
71	47.4	32.5	48.7

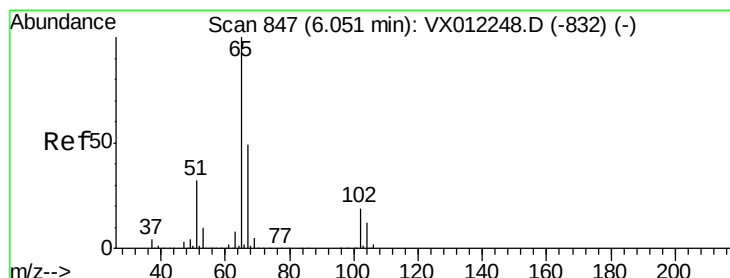
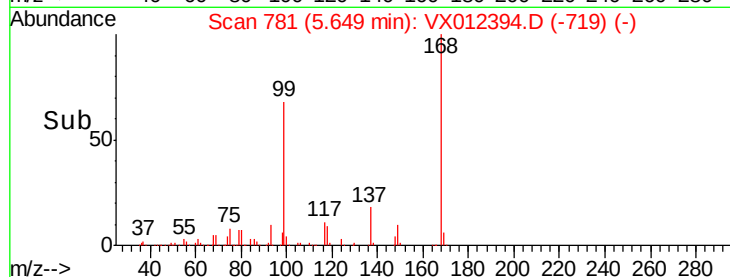
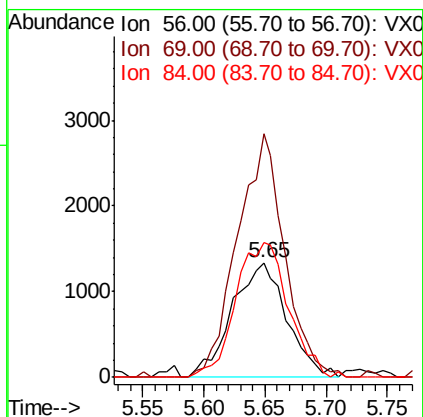
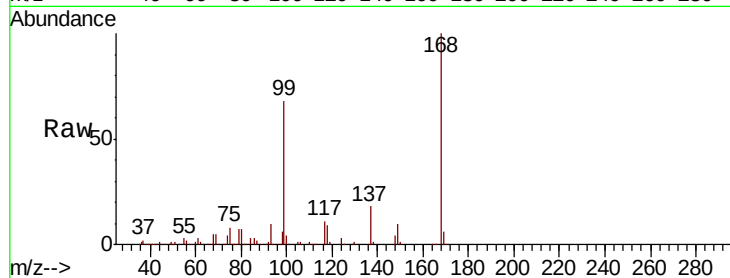




#31
Cyclohexane
Concen: 1.970 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012394.D
Acq: 13 Sep 2019 18:42

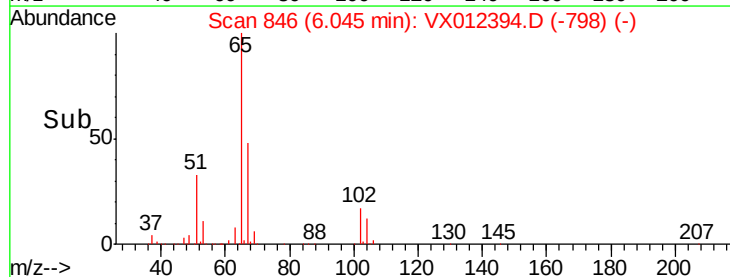
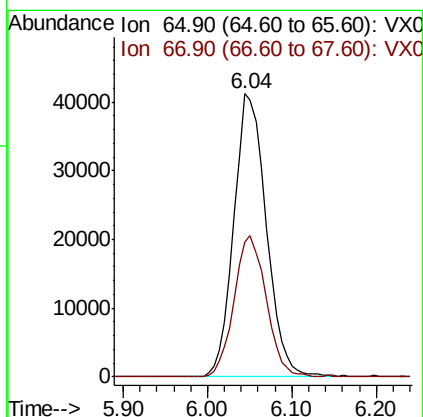
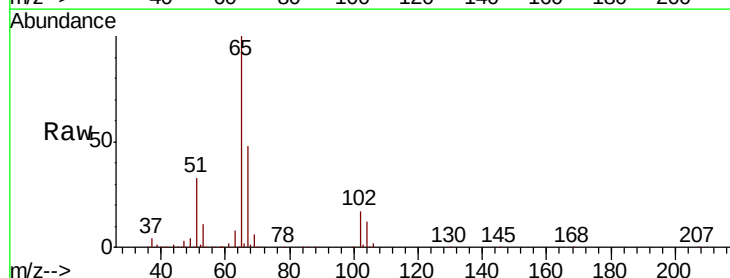
Instrument :
MSVOA_X
ClientSampled :
T1-1-(0)

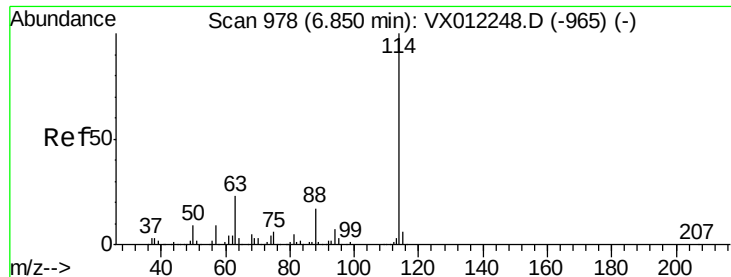
Tgt Ion: 56 Resp: 4166
Ion Ratio Lower Upper
56 100
69 211.8 23.8 35.6#
84 117.0 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 47.109 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX012394.D
Acq: 13 Sep 2019 18:42

Tgt Ion: 65 Resp: 107265
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.8

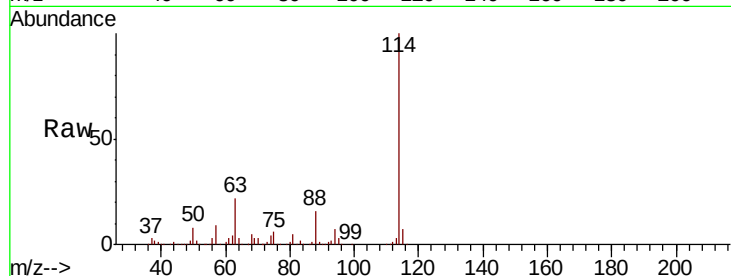




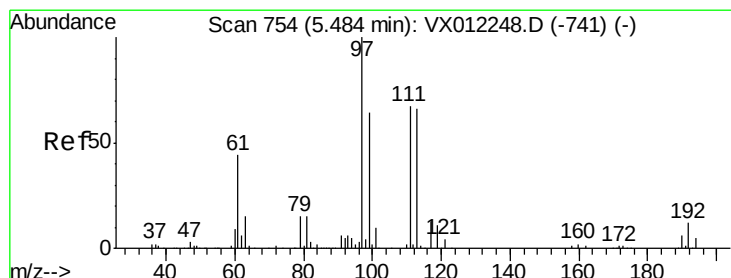
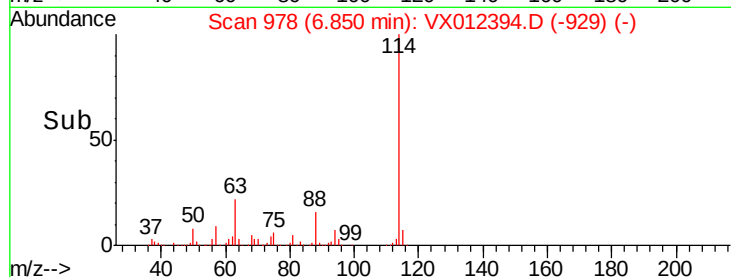
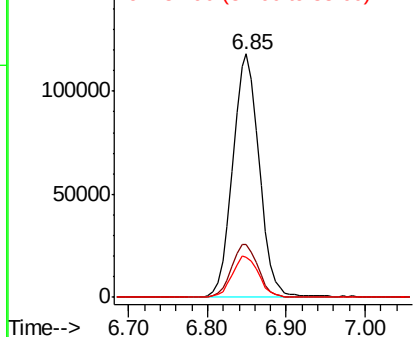
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-1-(0)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	45.2
88	16.3	0.0	34.8

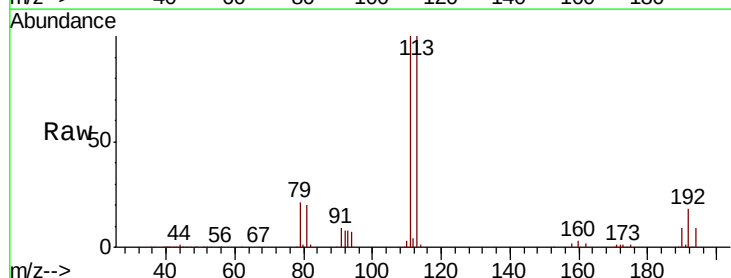


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

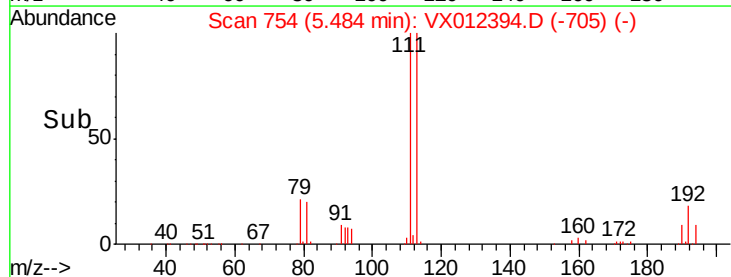
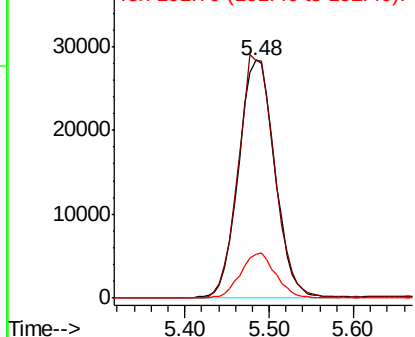


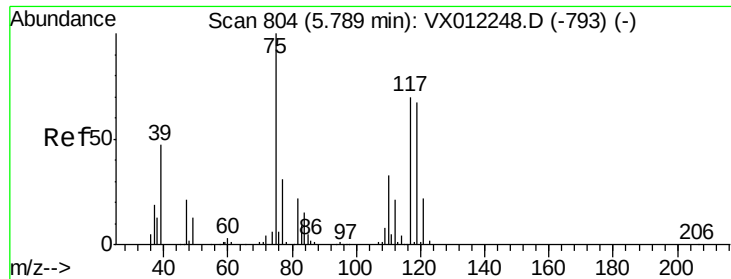
#35
 Dibromofluoromethane
 Concen: 46.541 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.6
192	18.3	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

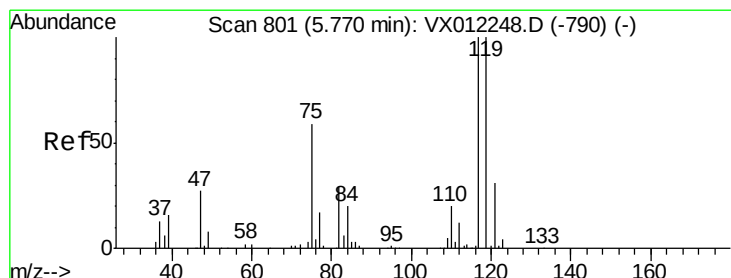
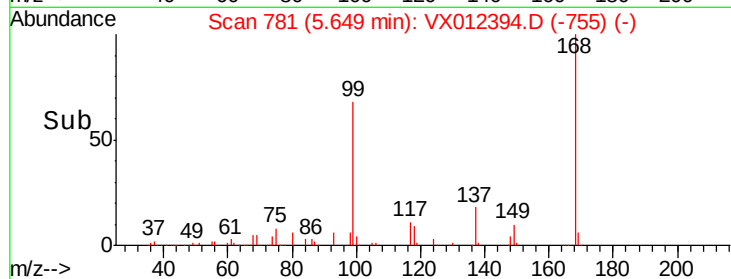
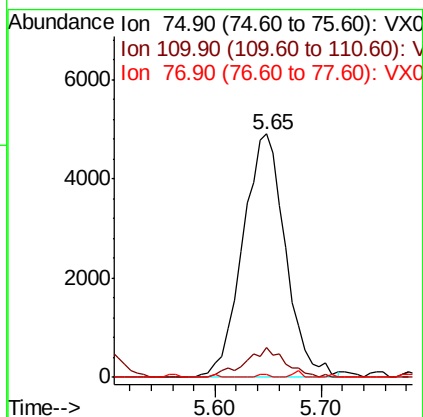
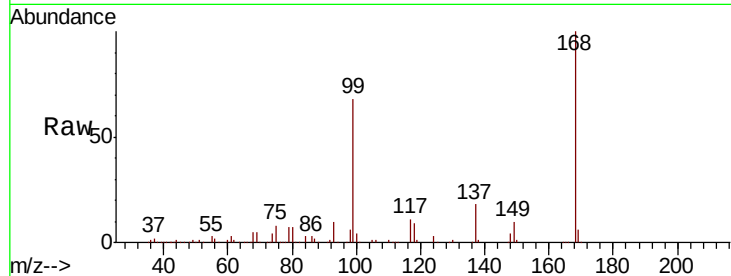




#36
 1,1-Dichloropropene
 Concen: 6.846 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

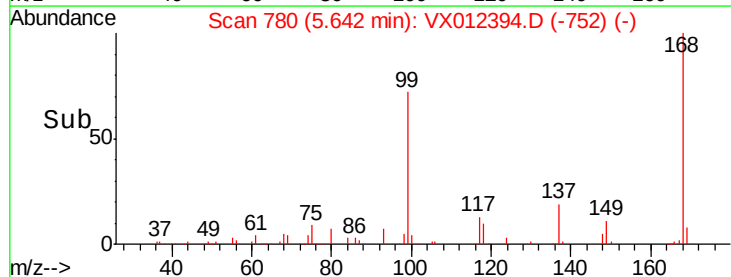
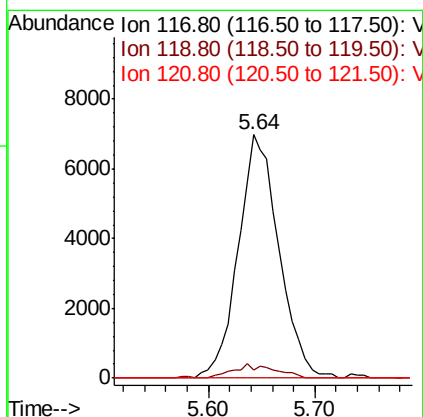
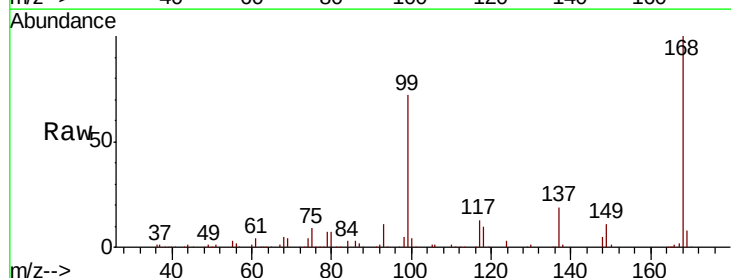
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-1-(0)

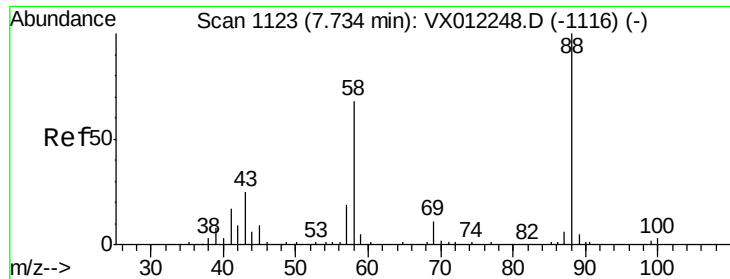
Tgt Ion: 75 Resp: 13806
 Ion Ratio Lower Upper
 75 100
 110 11.5 16.8 50.4#
 77 0.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.899 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

Tgt Ion: 117 Resp: 18691
 Ion Ratio Lower Upper
 117 100
 119 3.4 79.6 119.4#
 121 0.0 24.7 37.1#

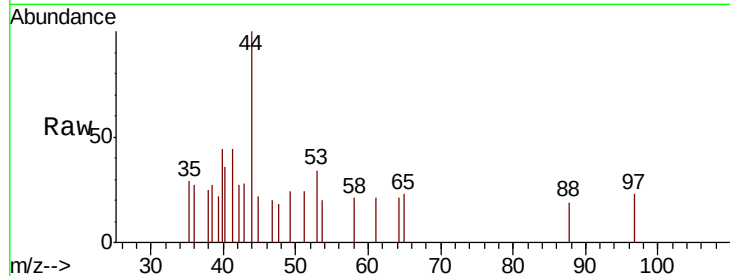




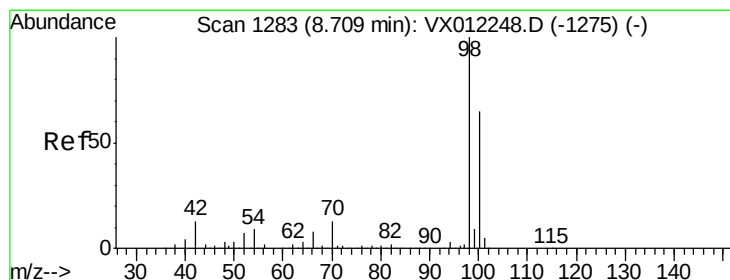
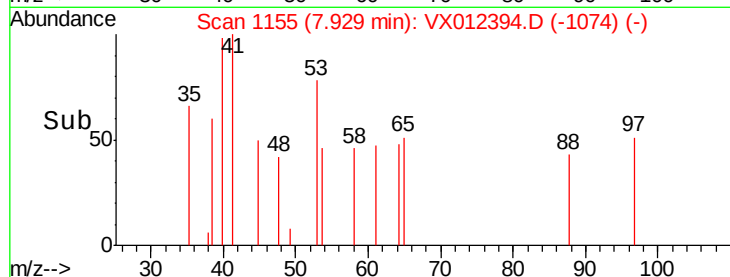
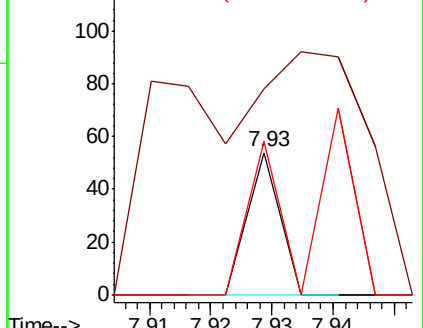
#49
 1,4-Dioxane
 Concen: 1.178 ug/l
 RT: 7.93 min Scan# 1155
 Delta R.T. 0.20 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-1-(0)

Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 580.0 31.0 46.4#
 58 105.0 61.5 92.3#

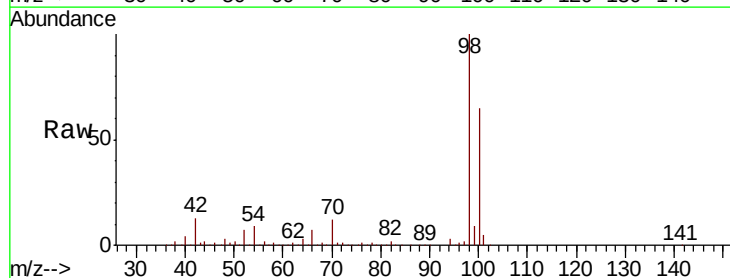


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

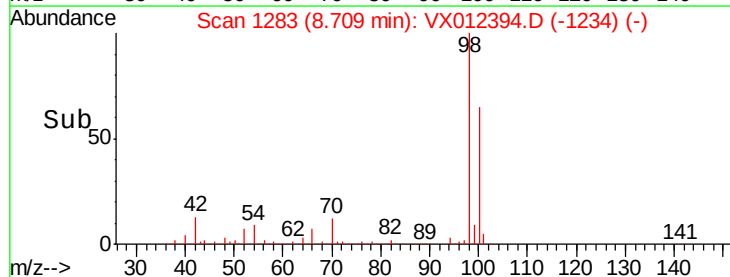
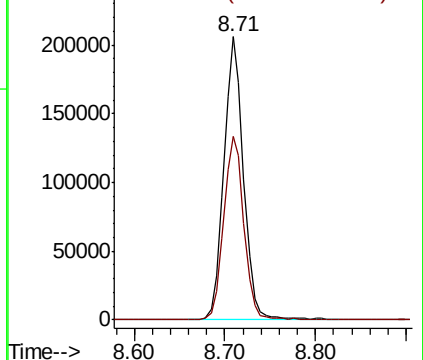


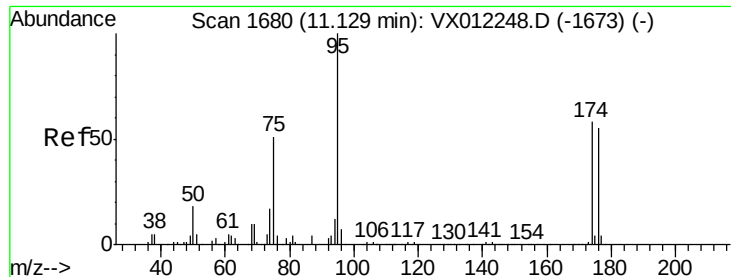
#50
 Toluene-d8
 Concen: 50.488 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

Tgt Ion: 98 Resp: 313967
 Ion Ratio Lower Upper
 98 100
 100 66.7 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

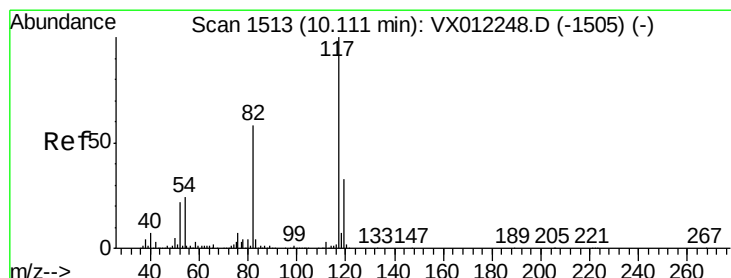
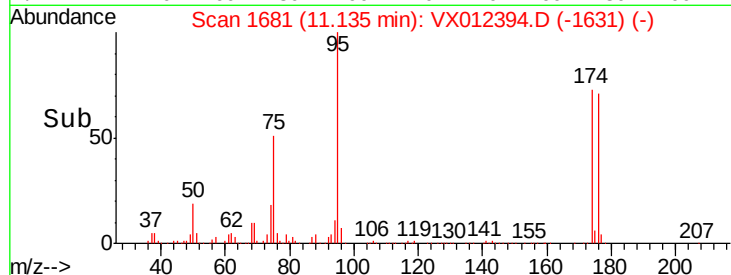
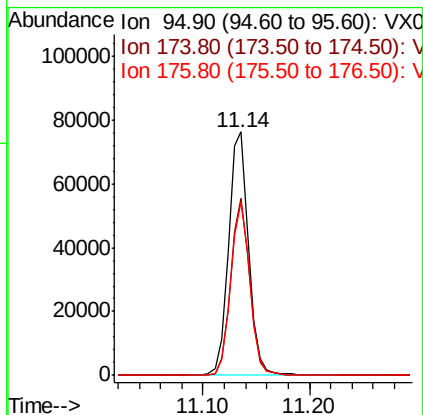
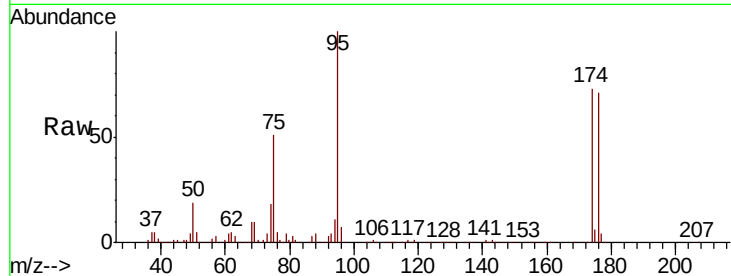




#62
4-Bromofluorobenzene
Concen: 34.743 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012394.D
Acq: 13 Sep 2019 18:42

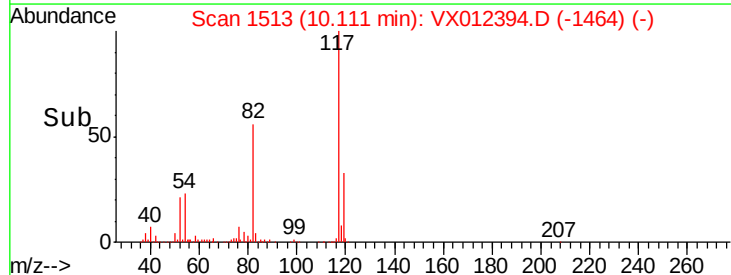
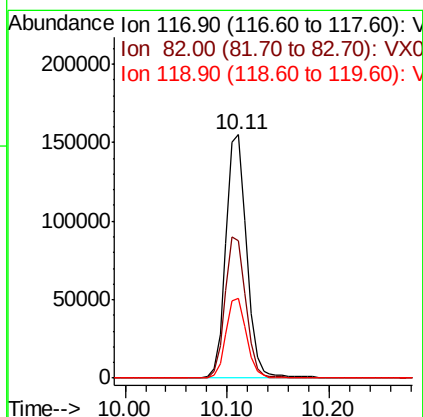
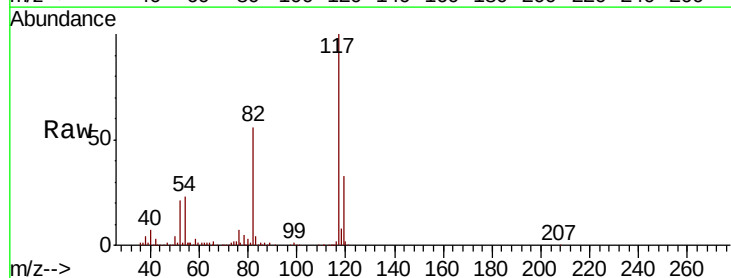
Instrument :
MSVOA_X
ClientSampled :
T1-1-(0)

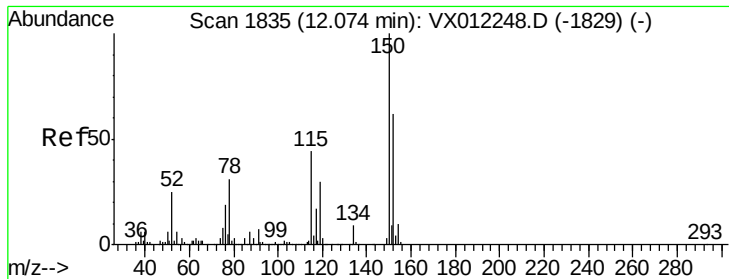
Tgt Ion: 95 Resp: 100164
Ion Ratio Lower Upper
95 100
174 69.2 0.0 127.0
176 67.9 0.0 125.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012394.D
Acq: 13 Sep 2019 18:42

Tgt Ion: 117 Resp: 218322
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.6 26.6 39.8

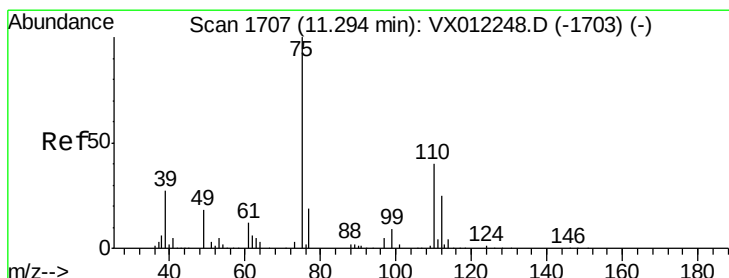
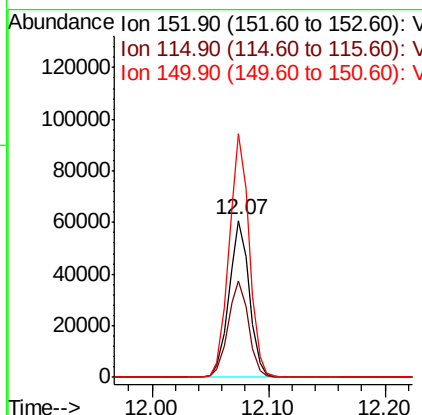
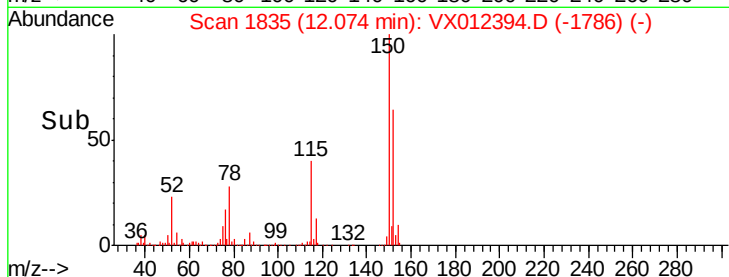
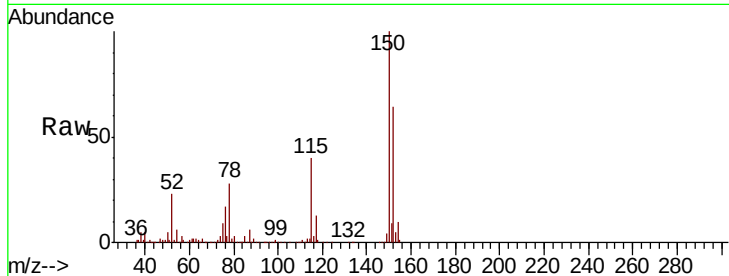




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

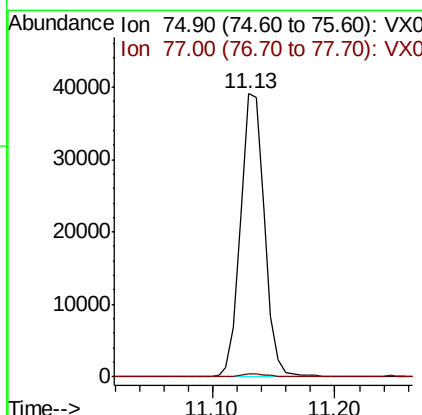
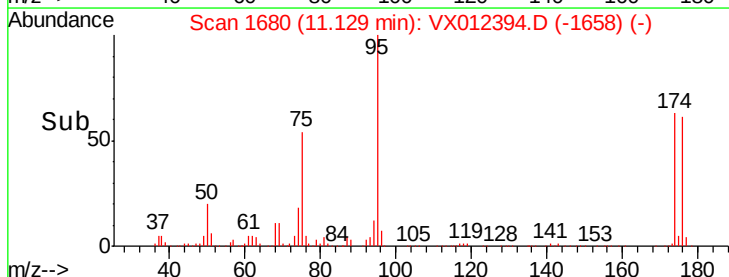
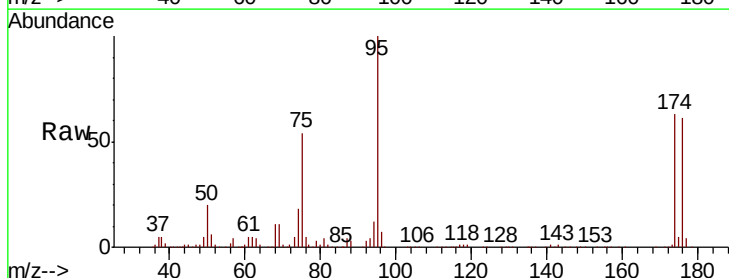
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-1-(0)

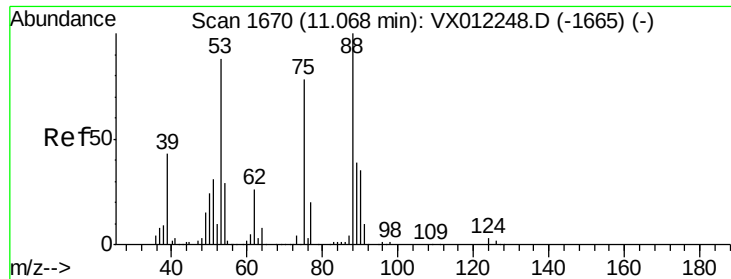
Tgt Ion:152 Resp: 73253
 Ion Ratio Lower Upper
 152 100
 115 62.1 45.5 136.4
 150 154.5 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 56.043 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012394.D
 Acq: 13 Sep 2019 18:42

Tgt Ion: 75 Resp: 52739
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.7 59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 167.918 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012394.D

Acq: 13 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

T1-1-(0)

Tgt Ion: 75 Resp: 52739

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.0 43.5 65.3#

