

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012328.D
 Acq On : 12 Sep 2019 04:10
 Operator : SY/SP
 Sample : K4694-12
 Misc : 3.63g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-1-(1.5)

Quant Time: Sep 12 05:45:41 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	63247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	89345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	68890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	25034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	30165	33.73	ug/l	0.00
Spiked Amount			Recovery	=	67.46%	
35) Dibromofluoromethane	5.48	113	24651	43.04	ug/l	0.00
Spiked Amount			Recovery	=	86.08%	
50) Toluene-d8	8.71	98	102613	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.14	95	32459	34.85	ug/l	0.00
Spiked Amount			Recovery	=	69.70%	

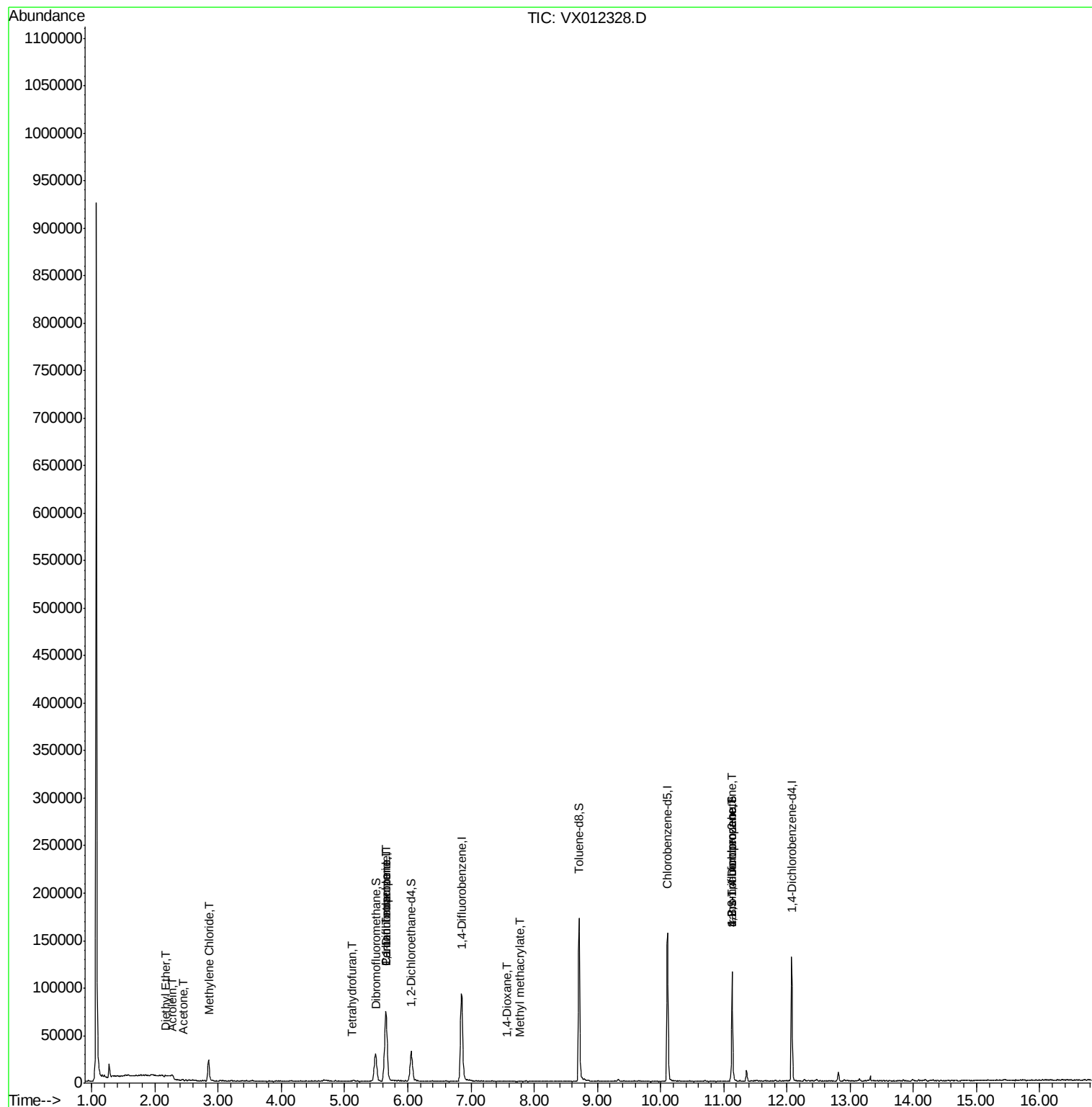
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	119	Below Cal	#	3
8) Diethyl Ether	2.17	74	430	1.507	ug/l	80
11) Tert butyl alcohol	3.03	59	695	Below Cal	#	64
13) Acrolein	2.28	56	115	2.460	ug/l #	1
16) Acetone	2.44	43	1553	7.337	ug/l	100
20) Methylene Chloride	2.85	84	10139	13.425	ug/l	97
29) Tetrahydrofuran	5.12	42	638	4.370	ug/l #	33
36) 1,1-Dichloropropene	5.65	75	5897	9.052	ug/l #	53
38) Carbon Tetrachloride	5.65	117	7742	10.129	ug/l #	14
48) Methyl methacrylate	7.78	41	435	1.070	ug/l #	34
49) 1,4-Dioxane	7.56	88	57	10.394	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	17307	53.816	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	17307	161.243	ug/l #	5

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

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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# 782

Delta R.T. 0.01 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampleId :

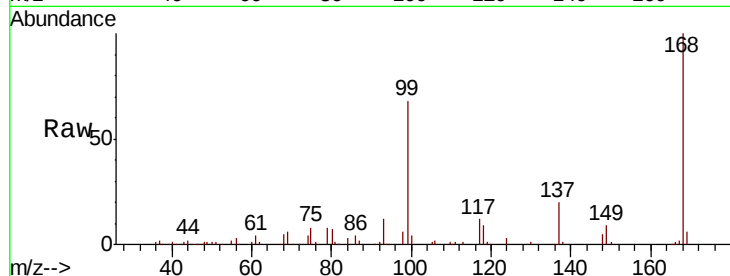
T2-1-(1.5)

Tgt Ion:168 Resp: 63247

Ion Ratio Lower Upper

168 100

99 68.5 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

25000

20000

15000

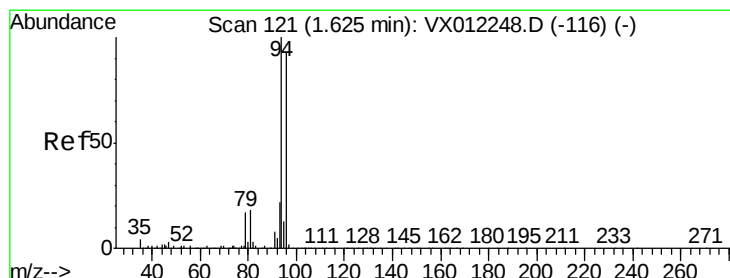
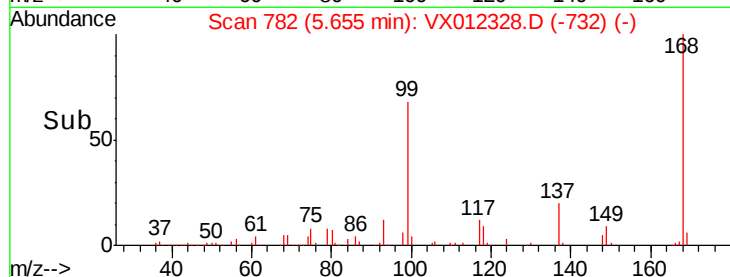
10000

5000

0

Time-->

5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012328.D

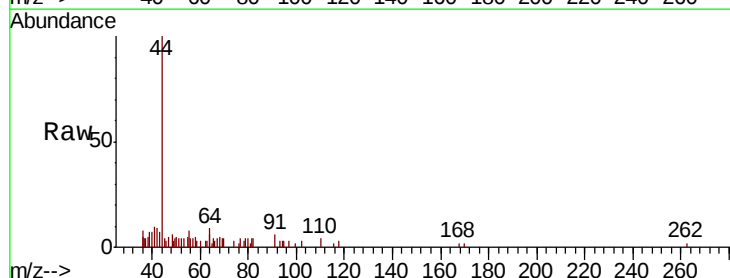
Acq: 12 Sep 2019 04:10

Tgt Ion: 94 Resp: 119

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

250

200

150

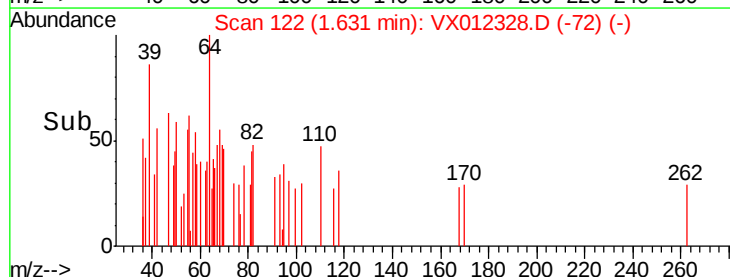
100

50

0

Time-->

1.62 1.63 1.64





#8

Diethyl Ether

Concen: 1.507 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampled :

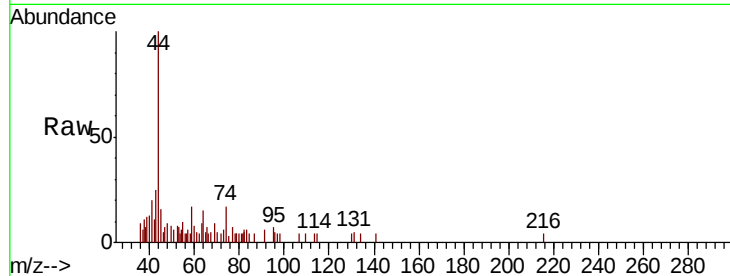
T2-1-(1.5)

Tgt Ion: 74 Resp: 430

Ion Ratio Lower Upper

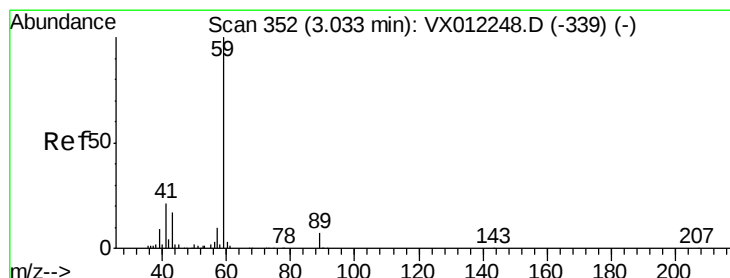
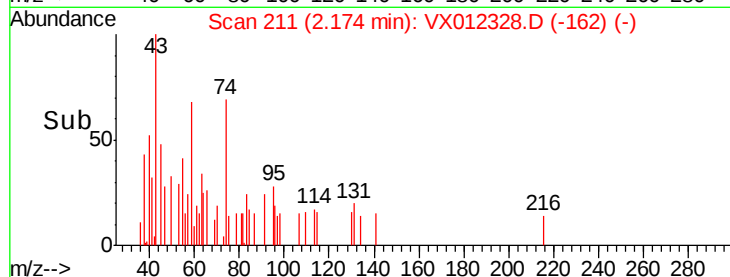
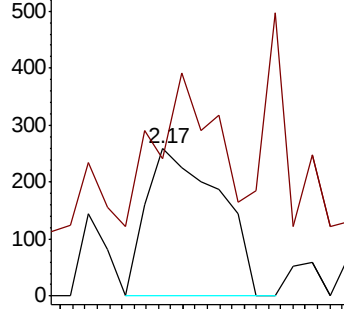
74 100

45 82.1 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012328.D

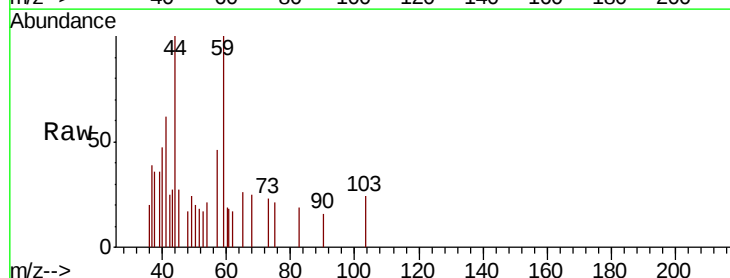
Acq: 12 Sep 2019 04:10

Tgt Ion: 59 Resp: 695

Ion Ratio Lower Upper

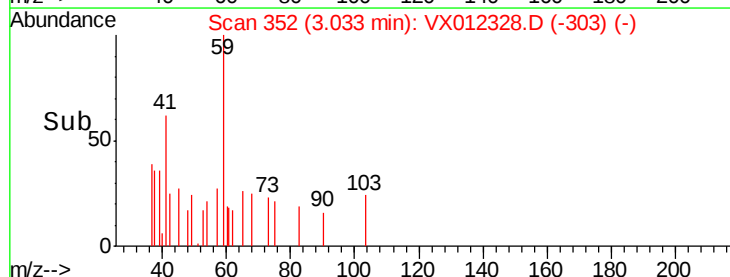
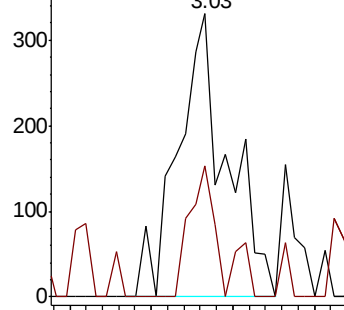
59 100

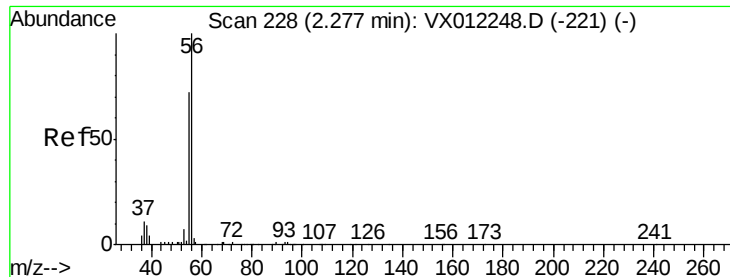
57 23.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 2.460 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampled :

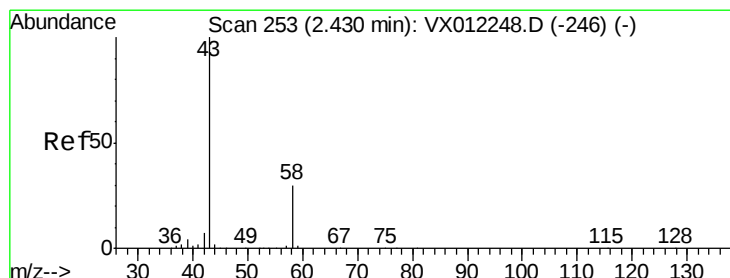
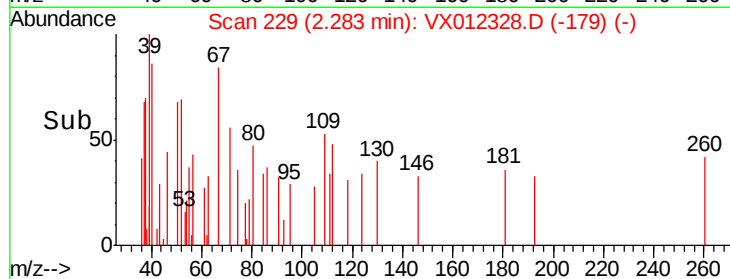
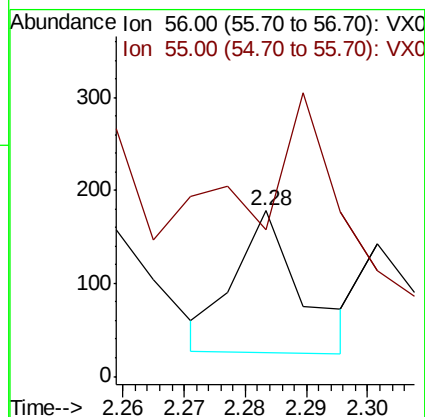
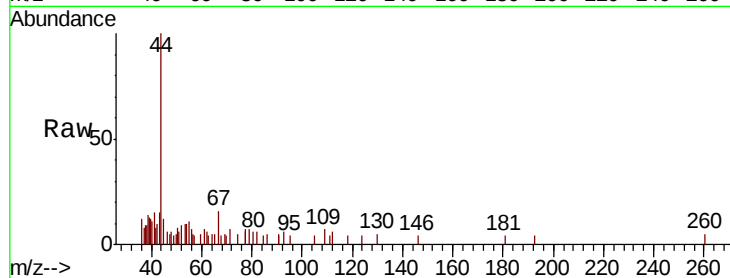
T2-1-(1.5)

Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 246.1 59.8 89.6#



#16

Acetone

Concen: 7.337 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012328.D

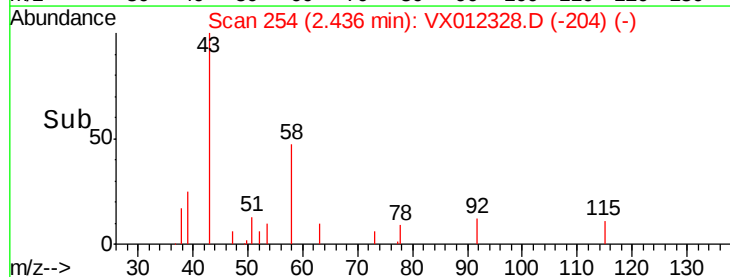
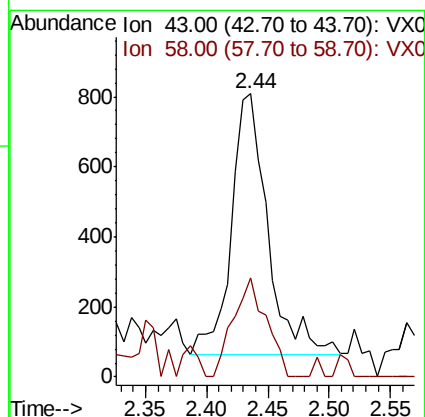
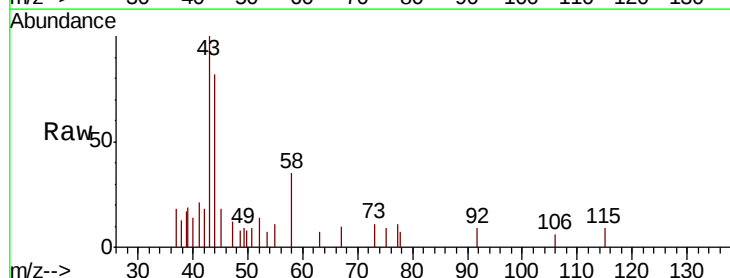
Acq: 12 Sep 2019 04:10

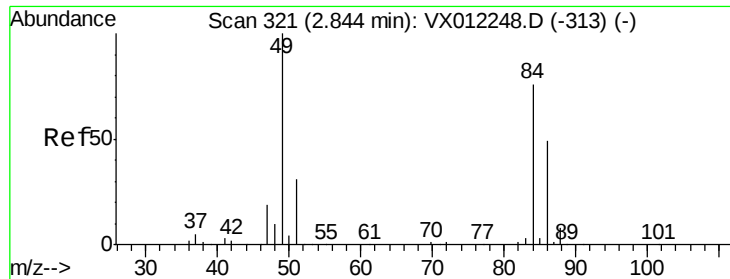
Tgt Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

58 29.5 23.6 35.4

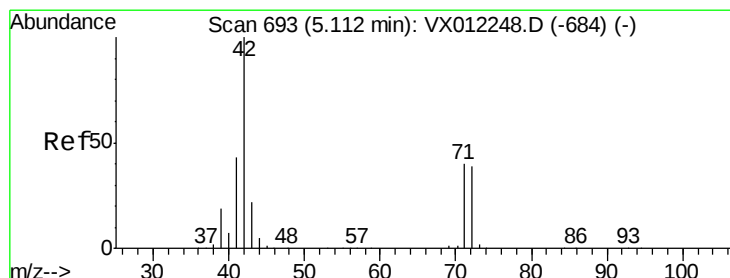
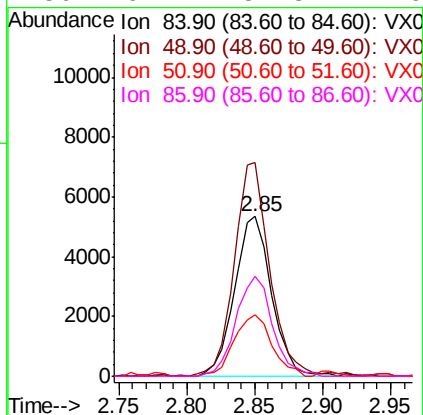
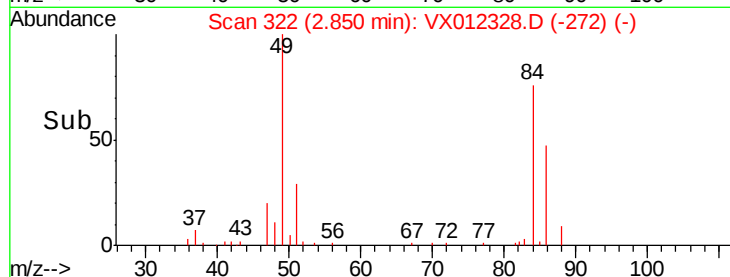
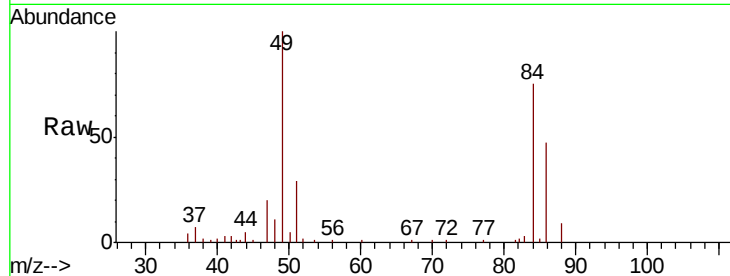




#20
Methylene Chloride
Concen: 13.425 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012328.D
Acq: 12 Sep 2019 04:10

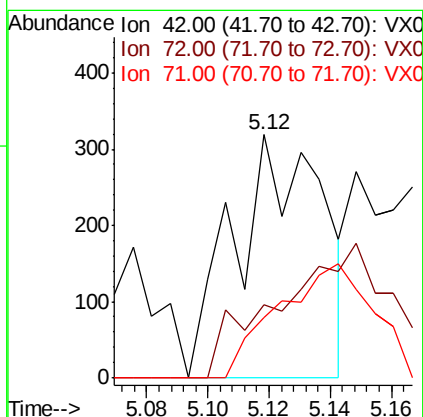
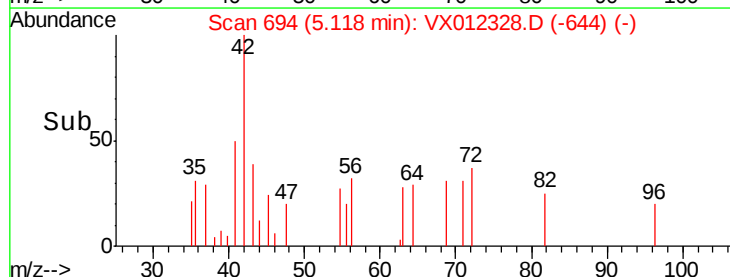
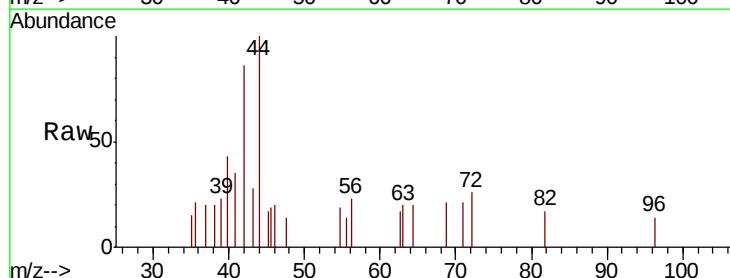
Instrument :
MSVOA_X
ClientSampled :
T2-1-(1.5)

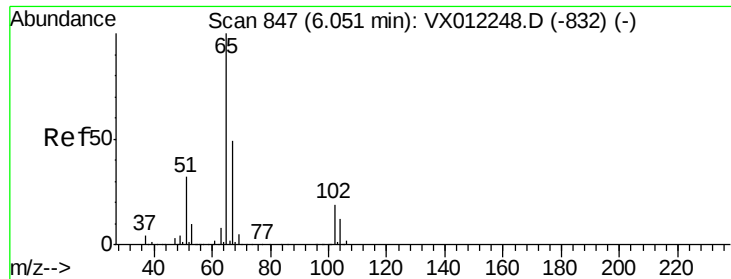
Tgt Ion: 84 Resp: 10139
Ion Ratio Lower Upper
84 100
49 133.5 105.0 157.6
51 38.4 32.6 48.8
86 62.1 51.8 77.6



#29
Tetrahydrofuran
Concen: 4.370 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012328.D
Acq: 12 Sep 2019 04:10

Tgt Ion: 42 Resp: 638
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 32.5 48.7#





#33

1,2-Dichloroethane-d4

Concen: 33.734 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampled :

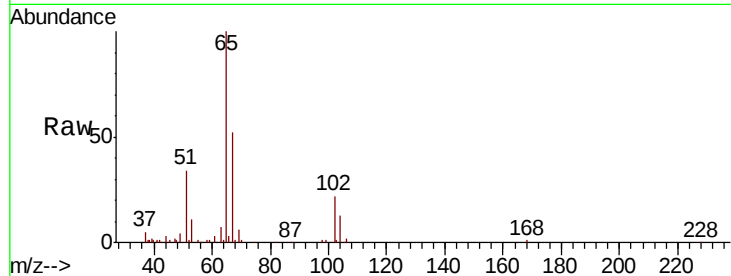
T2-1-(1.5)

Tgt Ion: 65 Resp: 30165

Ion Ratio Lower Upper

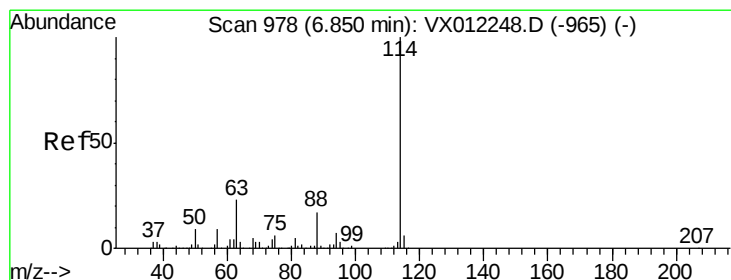
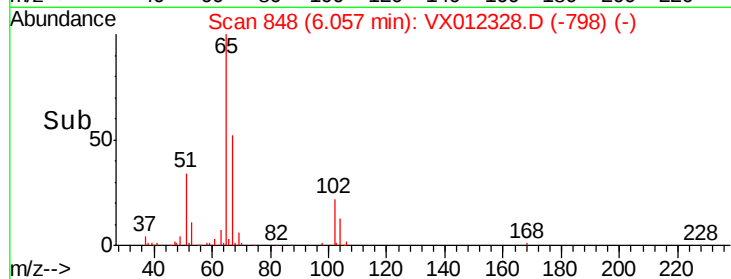
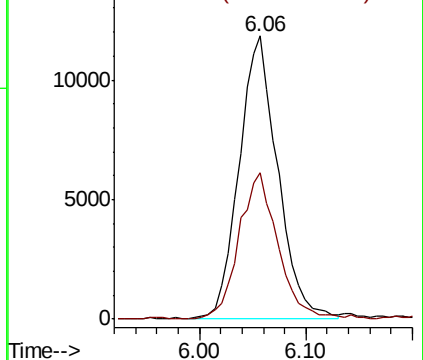
65 100

67 51.9 0.0 99.8



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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

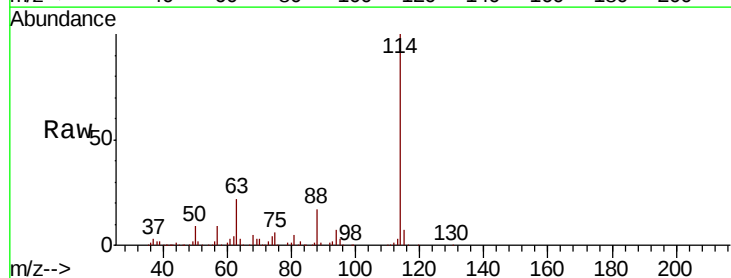
Tgt Ion: 114 Resp: 89345

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.2

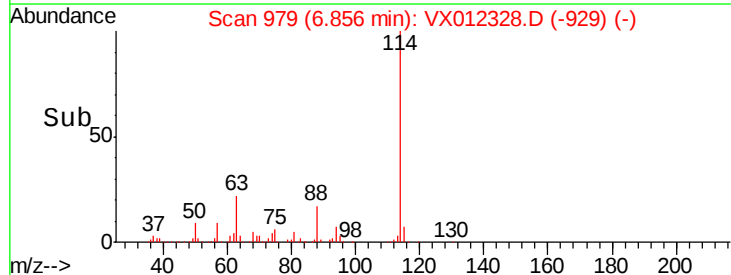
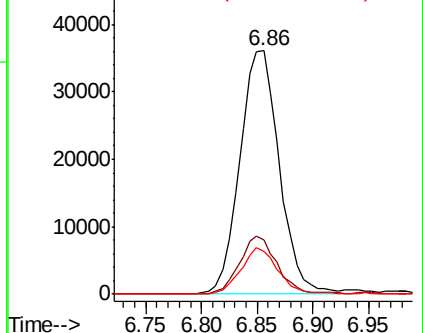
88 17.4 0.0 34.8

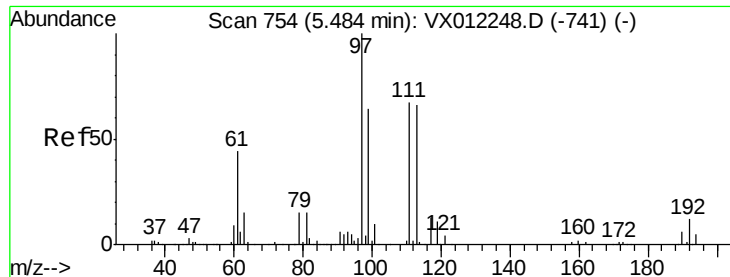


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

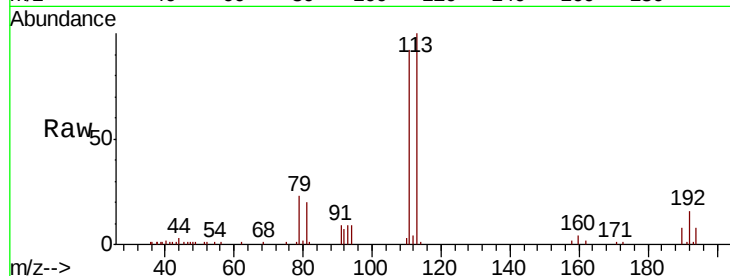




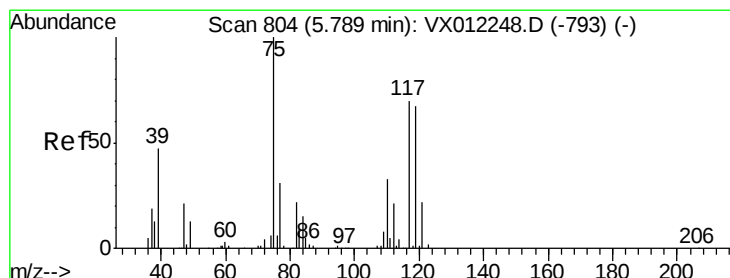
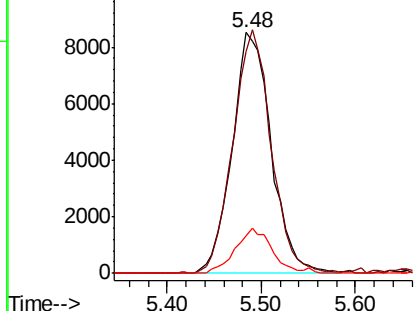
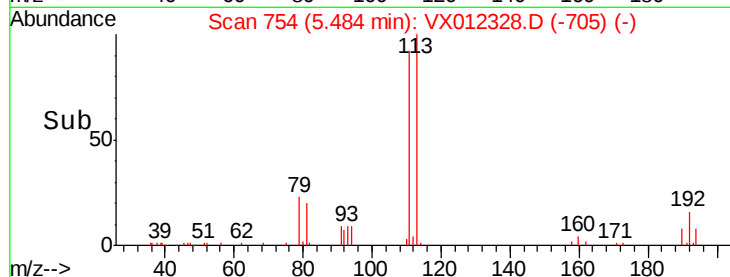
#35
 Dibromofluoromethane
 Concen: 43.040 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012328.D
 Acq: 12 Sep 2019 04:10

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-1-(1.5)

Tgt Ion: 113 Resp: 24651
 Ion Ratio Lower Upper
 113 100
 111 99.2 83.0 124.6
 192 17.4 14.3 21.5

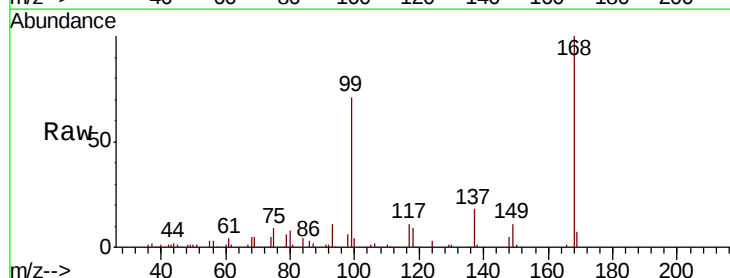


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

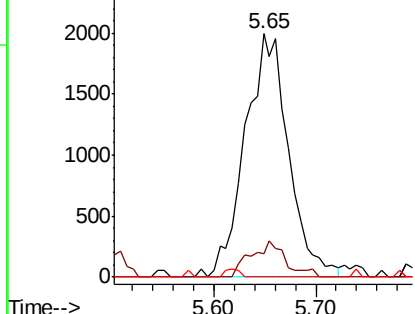
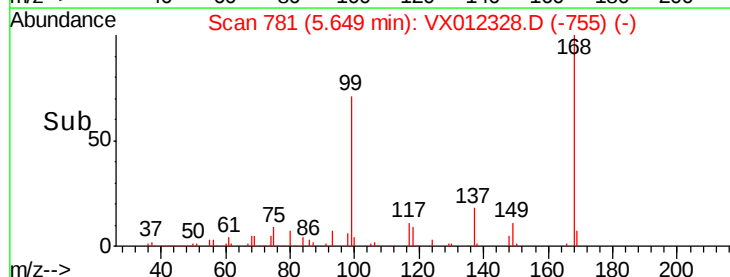


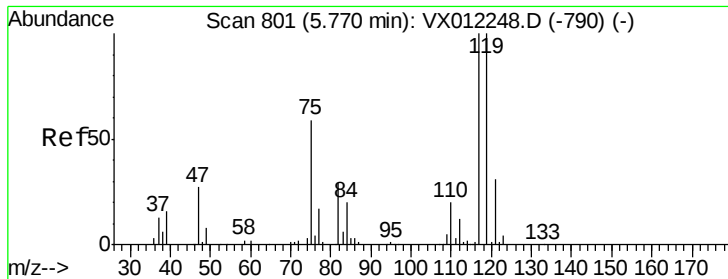
#36
 1,1-Dichloropropene
 Concen: 9.052 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012328.D
 Acq: 12 Sep 2019 04:10

Tgt Ion: 75 Resp: 5897
 Ion Ratio Lower Upper
 75 100
 110 11.9 16.8 50.4#
 77 0.0 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: 10.129 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampleId :

T2-1-(1.5)

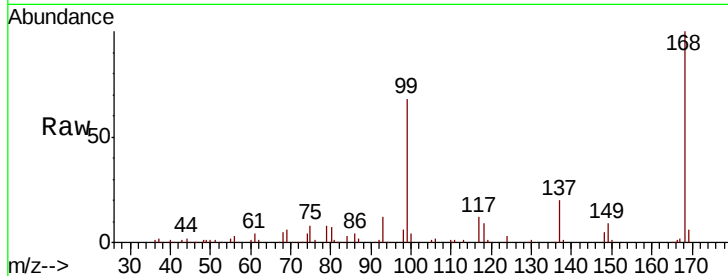
Tgt Ion:117 Resp: 7742

Ion Ratio Lower Upper

117 100

119 4.7 79.6 119.4#

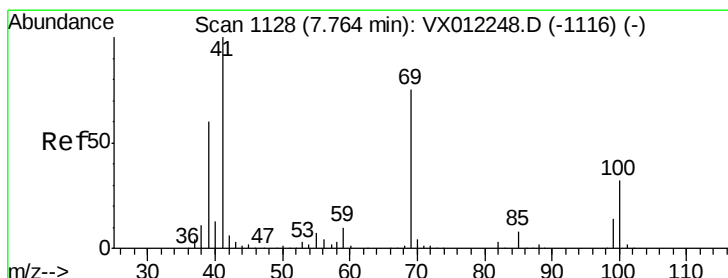
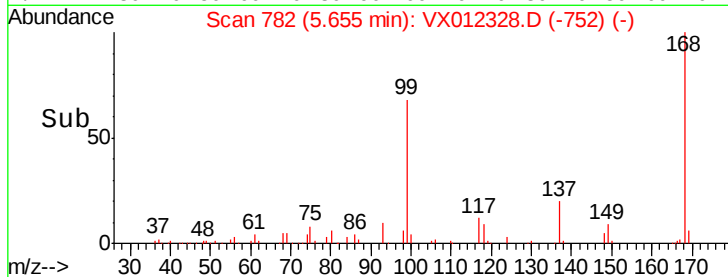
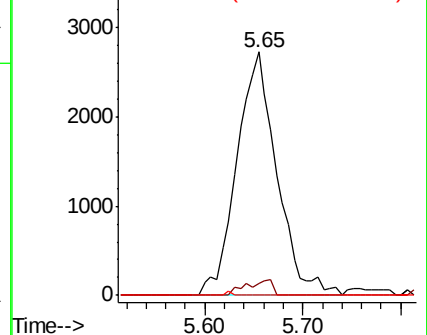
121 0.0 24.7 37.1#



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



#48

Methyl methacrylate

Concen: 1.070 ug/l

RT: 7.78 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

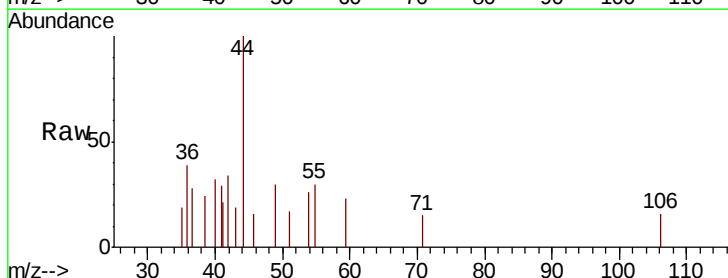
Tgt Ion: 41 Resp: 435

Ion Ratio Lower Upper

41 100

69 0.0 61.8 92.6#

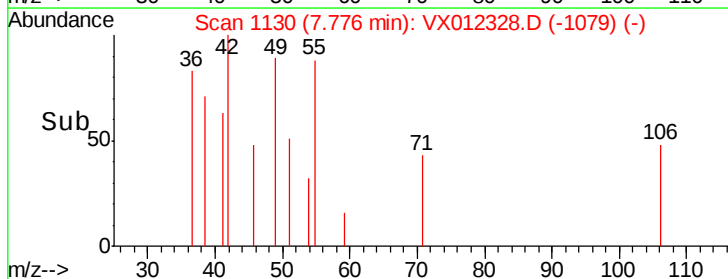
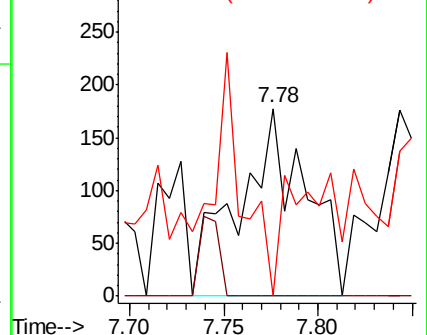
39 32.4 48.6 73.0#

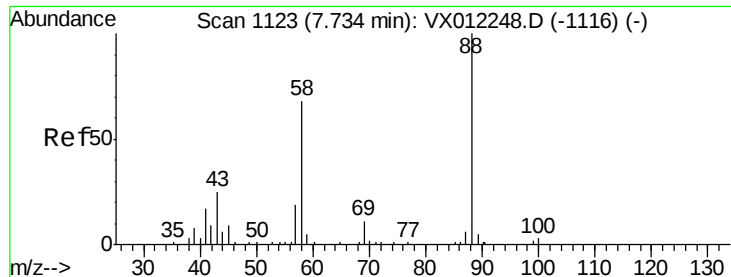


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

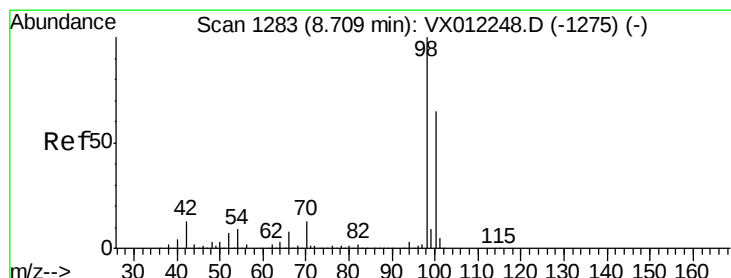
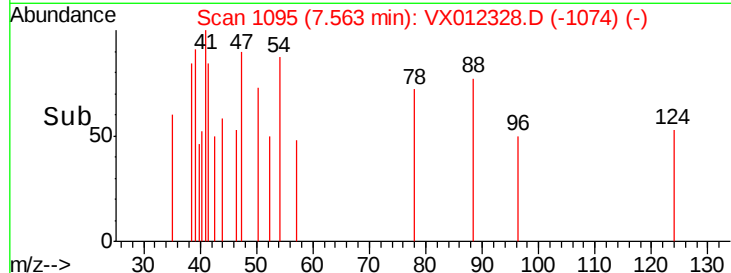
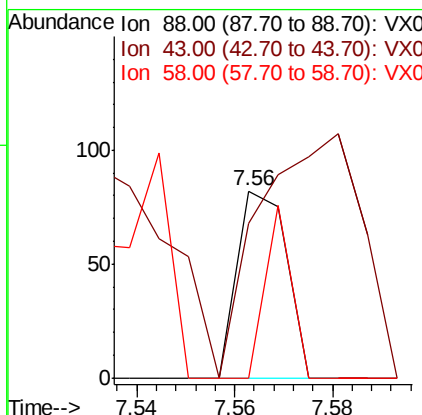
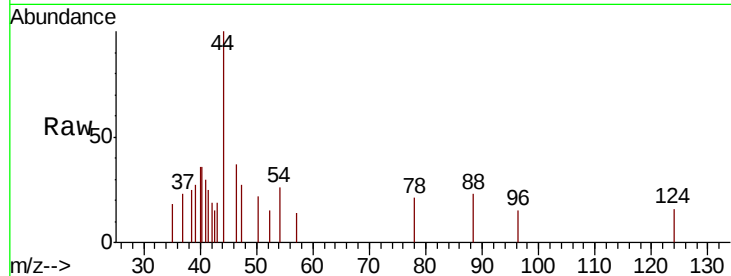




#49
 1,4-Dioxane
 Concen: 10.394 ug/l
 RT: 7.56 min Scan# 1095
 Delta R.T. -0.17 min
 Lab File: VX012328.D
 Acq: 12 Sep 2019 04:10

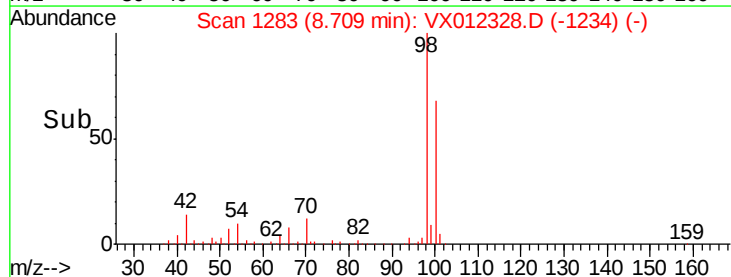
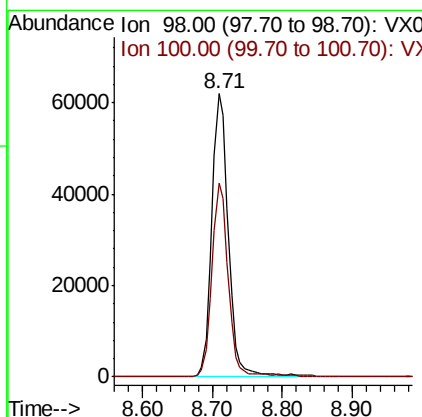
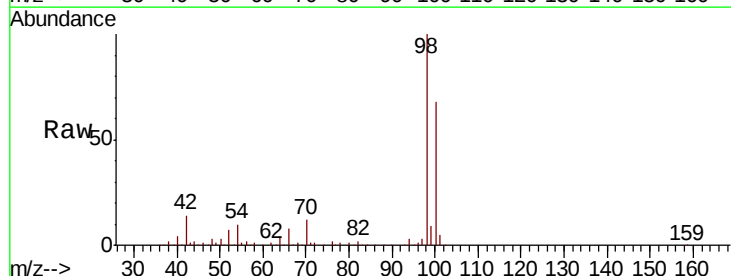
Instrument :
 MSVOA_X
 ClientSampled :
 T2-1-(1.5)

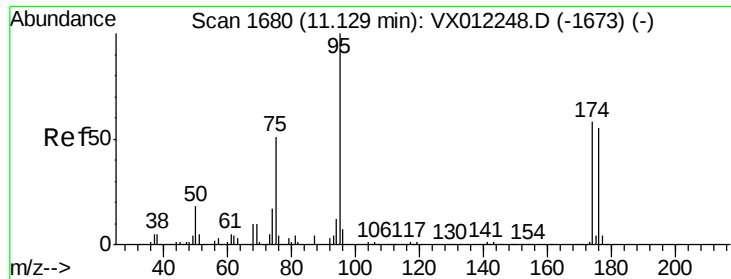
Tgt Ion: 88 Resp: 57
 Ion Ratio Lower Upper
 88 100
 43 271.9 31.0 46.4#
 58 49.1 61.5 92.3#



#50
 Toluene-d8
 Concen: 51.082 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012328.D
 Acq: 12 Sep 2019 04:10

Tgt Ion: 98 Resp: 102613
 Ion Ratio Lower Upper
 98 100
 100 66.8 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 34.854 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampleId :

T2-1-(1.5)

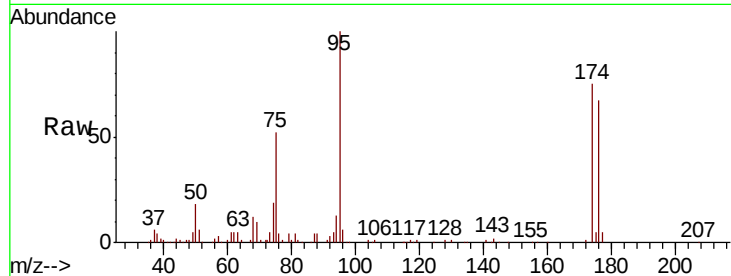
Tgt Ion: 95 Resp: 32459

Ion Ratio Lower Upper

95 100

174 67.1 0.0 127.0

176 64.8 0.0 125.8

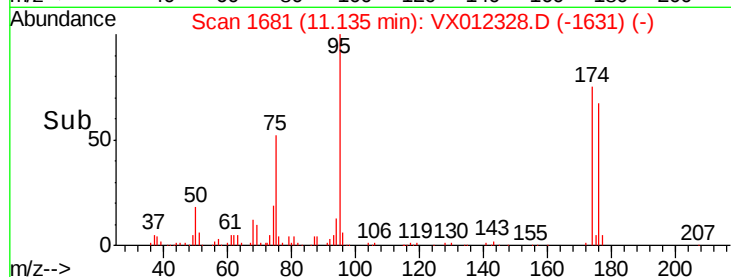


Abundance Ion 94.90 (94.60 to 95.60): VX012328.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012328.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012328.D (-1673) (-)

Time-->

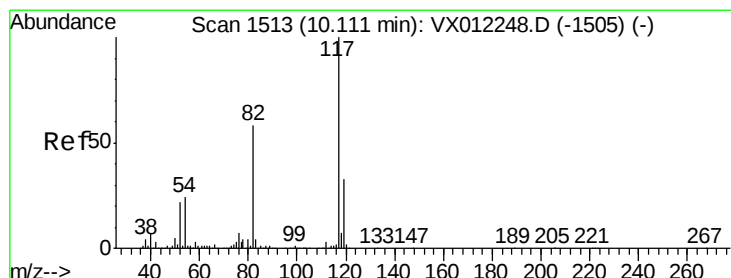


Abundance Ion 94.90 (94.60 to 95.60): VX012328.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX012328.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX012328.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

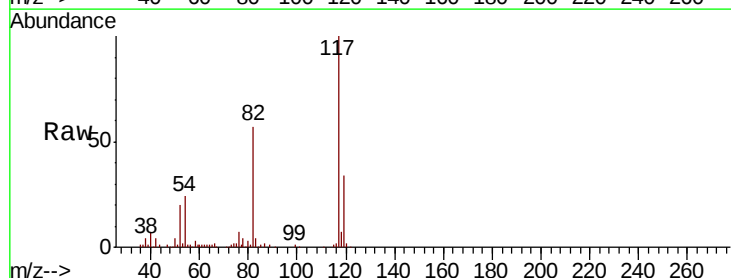
Tgt Ion: 117 Resp: 68890

Ion Ratio Lower Upper

117 100

82 56.6 46.4 69.6

119 34.1 26.6 39.8

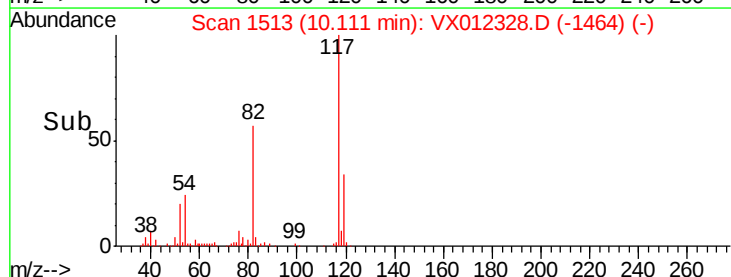


Abundance Ion 116.90 (116.60 to 117.60): VX012328.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012328.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012328.D (-1505) (-)

Time-->

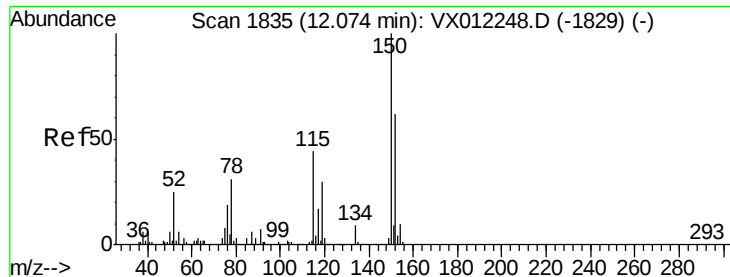


Abundance Ion 116.90 (116.60 to 117.60): VX012328.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012328.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012328.D (-1464) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampleId :

T2-1-(1.5)

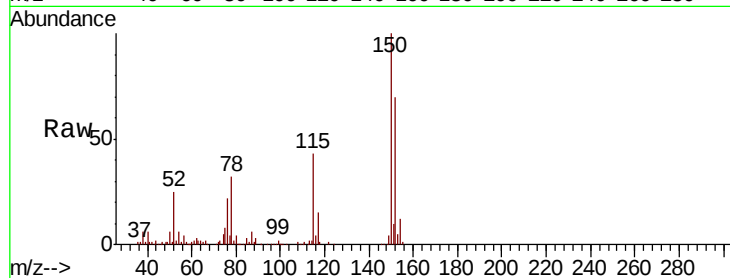
Tgt Ion:152 Resp: 25034

Ion Ratio Lower Upper

152 100

115 62.6 45.5 136.4

150 150.8 0.0 346.4

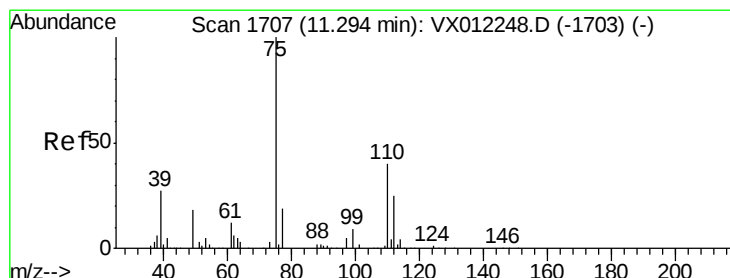
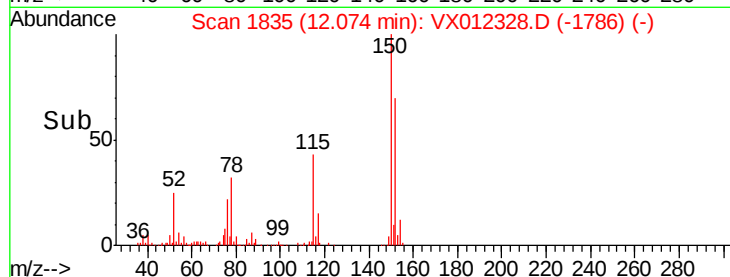
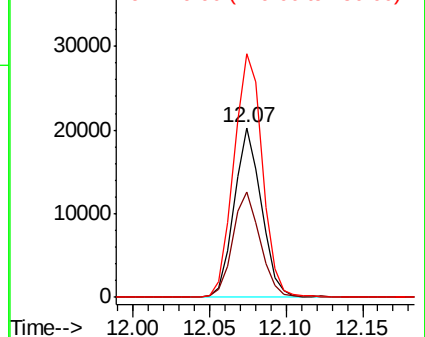


Abundance

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: 53.816 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012328.D

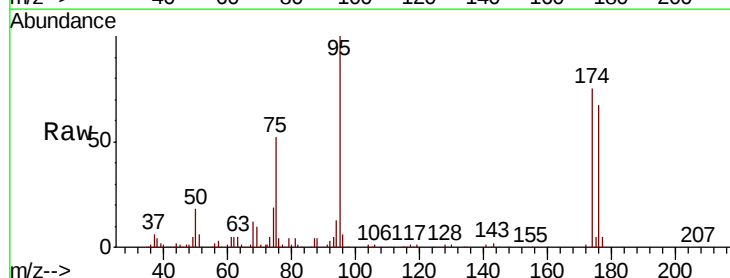
Acq: 12 Sep 2019 04:10

Tgt Ion: 75 Resp: 17307

Ion Ratio Lower Upper

75 100

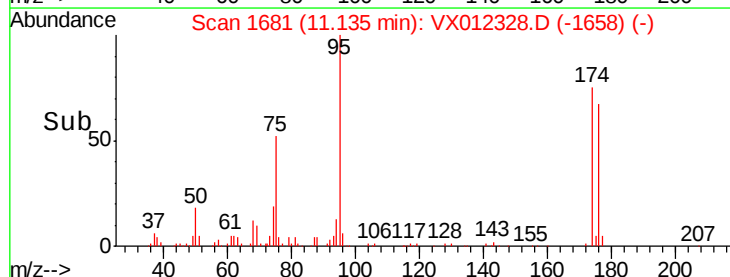
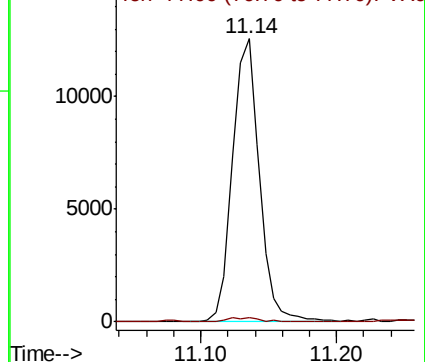
77 1.7 19.7 59.0#

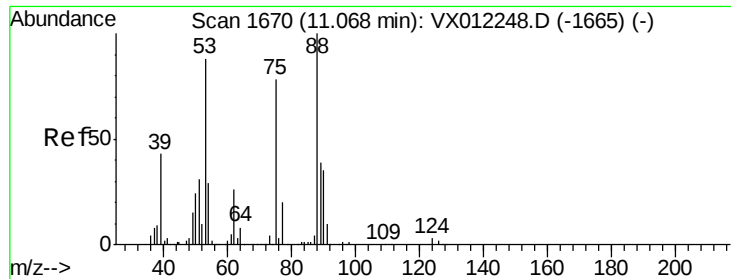


Abundance

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: 161.243 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012328.D

Acq: 12 Sep 2019 04:10

Instrument :

MSVOA_X

ClientSampleId :

T2-1-(1.5)

Tgt Ion: 75 Resp: 17307

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.0 43.5 65.3#

