

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022719\
 Data File : VX007748.D
 Acq On : 27 Feb 2019 21:37
 Operator : JC/SP
 Sample : K1653-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 28 04:04:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	483398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	453012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	188746	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	5.51	113	155179	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	8.71	98	589273	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	11.13	95	211815	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

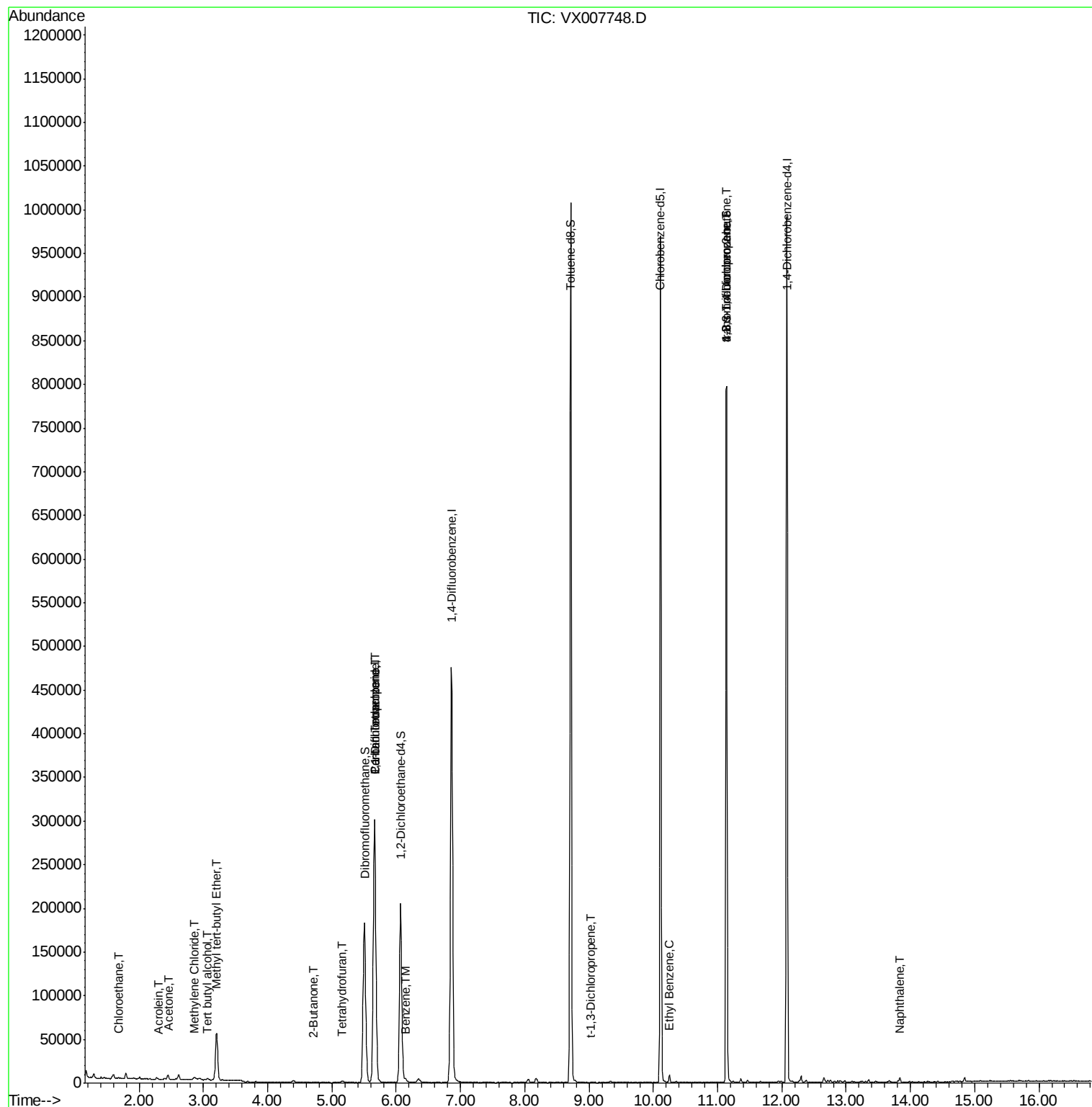
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	168	Below Cal	#	57
6) Chloroethane	1.70	64	1803	0.871	ug/l #	63
11) Tert butyl alcohol	3.07	59	2547	3.504	ug/l #	73
13) Acrolein	2.29	56	163	0.252	ug/l #	14
16) Acetone	2.45	43	5600	3.287	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	59498	6.315	ug/l	97
20) Methylene Chloride	2.85	84	908	0.289	ug/l #	87
25) 2-Butanone	4.71	43	550	0.212	ug/l #	47
29) Tetrahydrofuran	5.16	42	1737	1.015	ug/l #	89
36) 1,1-Dichloropropene	5.67	75	20285	4.668	ug/l #	48
38) Carbon Tetrachloride	5.67	117	27230	6.238	ug/l #	18
40) Benzene	6.14	78	4154	0.310	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	43	2.810	ug/l #	43
67) Ethyl Benzene	10.25	91	4391	0.271	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	103994	22.506	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	103994	59.689	ug/l #	9
95) Naphthalene	13.83	128	3081	0.216	ug/l	99

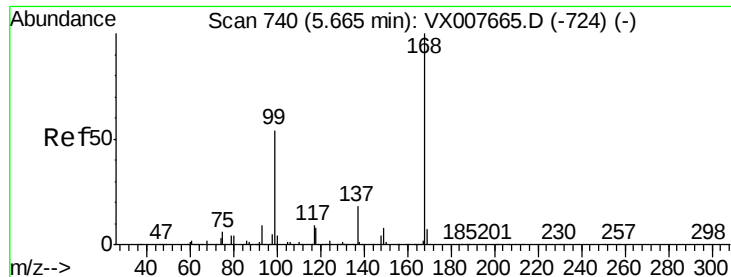
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022719\
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

Instrument :

MSVOA_X

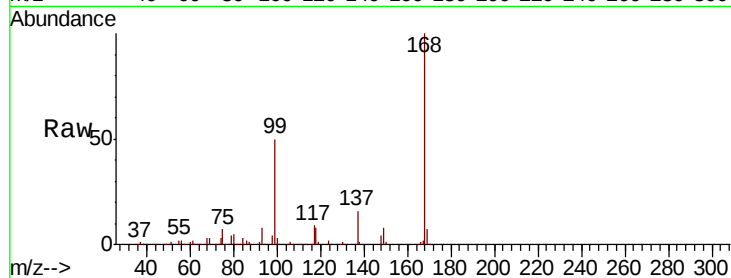
ClientSampleId :

Tot Ion:168 Resp: 309325

Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

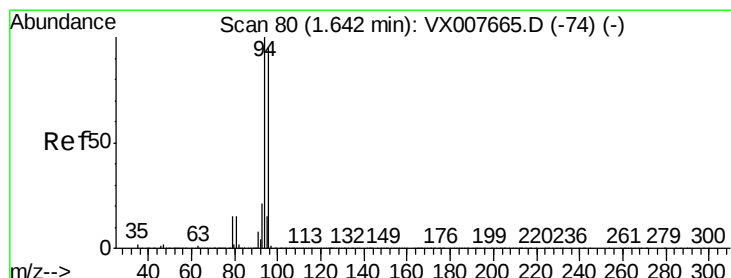
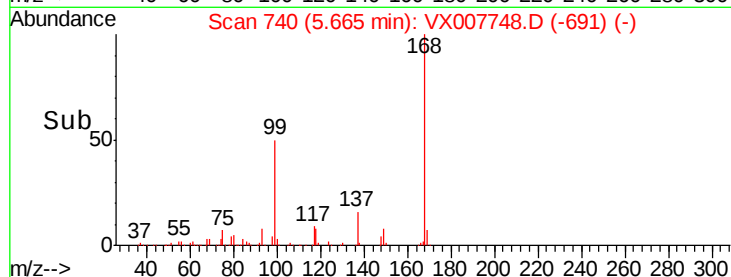
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007748.D

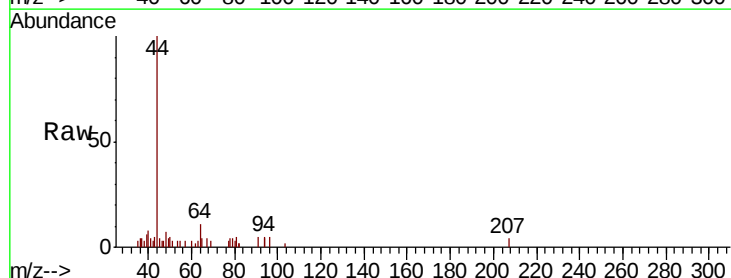
Acq: 27 Feb 2019 21:37

Tgt Ion: 94 Resp: 168

Ion Ratio Lower Upper

94 100

96 51.2 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

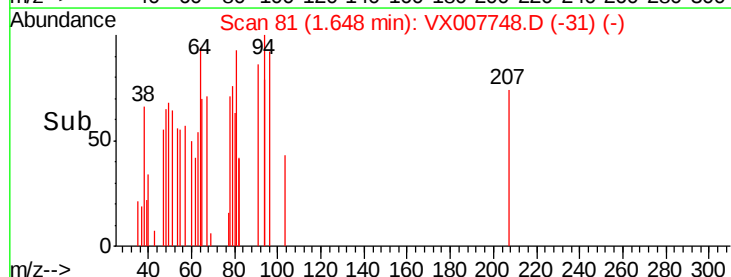
100

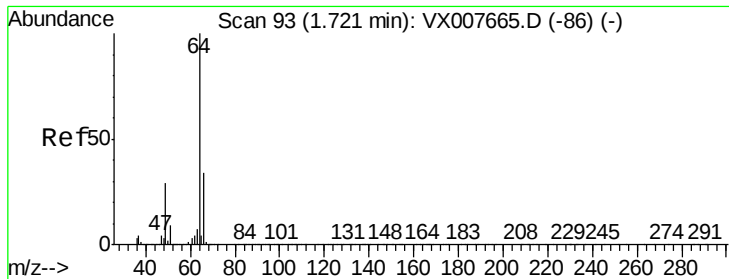
50

0

Time-->

1.62 1.63 1.64 1.65 1.66





#6

Chloroethane

Concen: 0.871 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

Instrument :

MSVOA_X

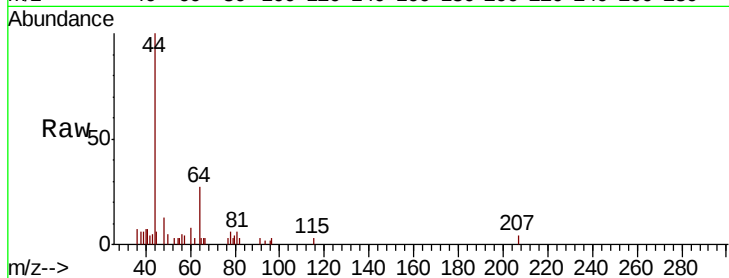
ClientSampleId :

Tot Ion: 64 Resp: 1803

Ion Ratio Lower Upper

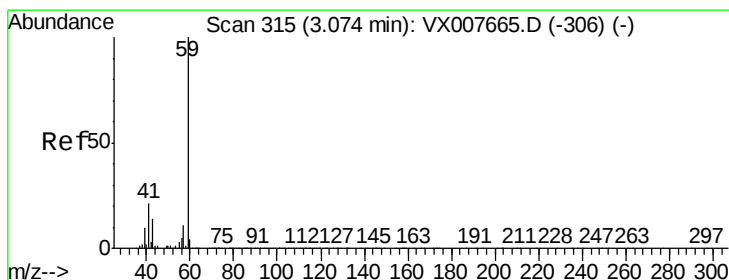
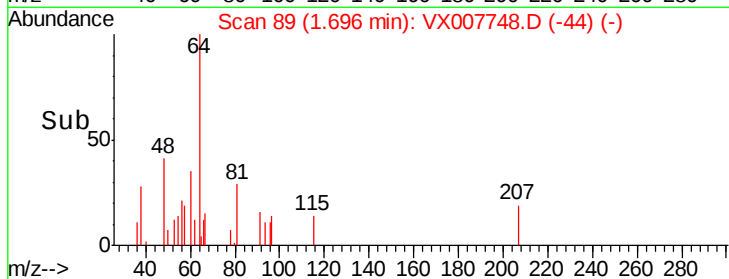
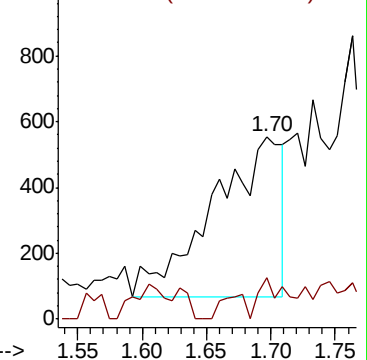
64 100

66 11.5 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 3.504 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007748.D

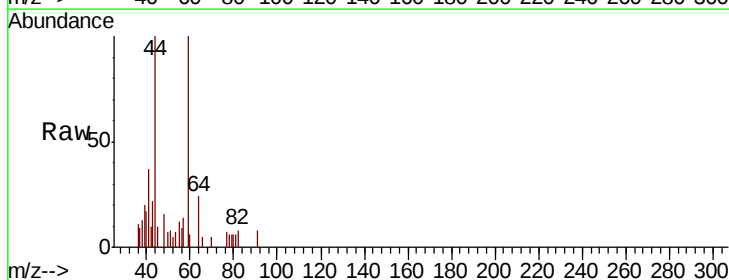
Acq: 27 Feb 2019 21:37

Tgt Ion: 59 Resp: 2547

Ion Ratio Lower Upper

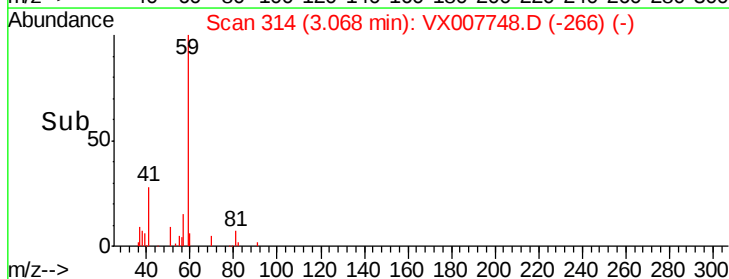
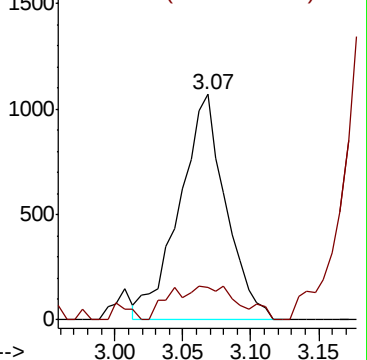
59 100

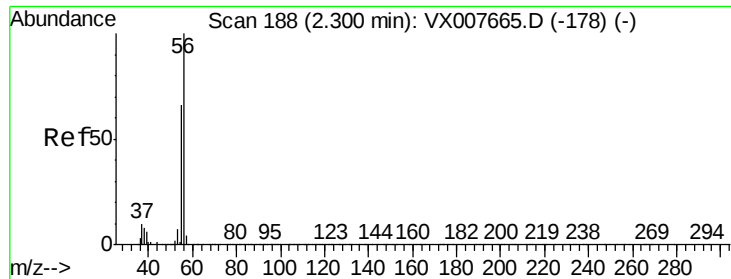
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

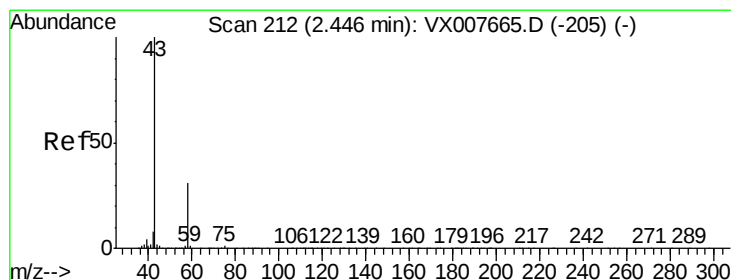
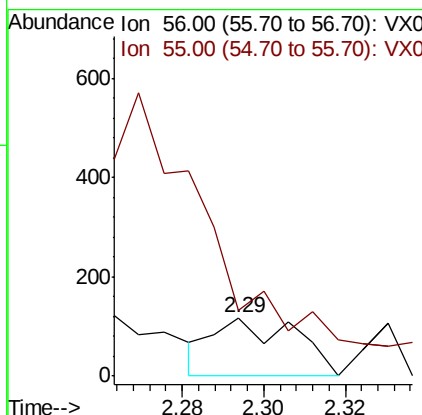
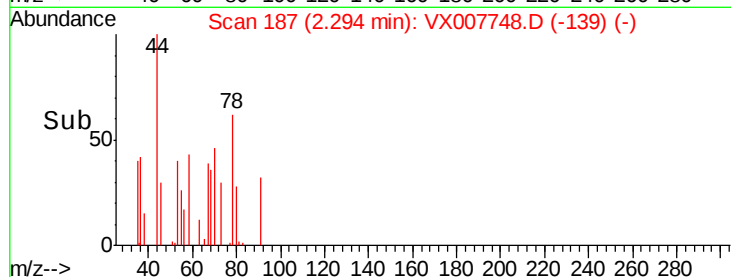
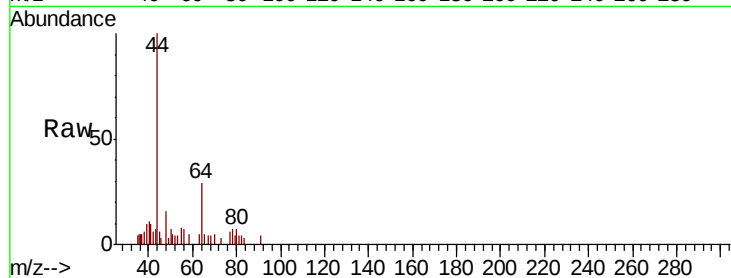




#13
Acrolein
Concen: 0.252 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

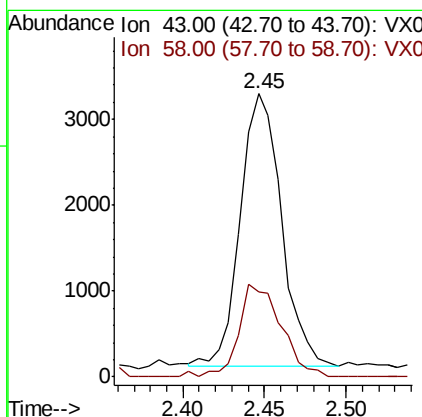
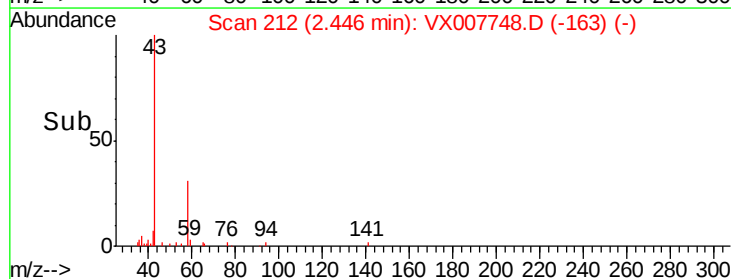
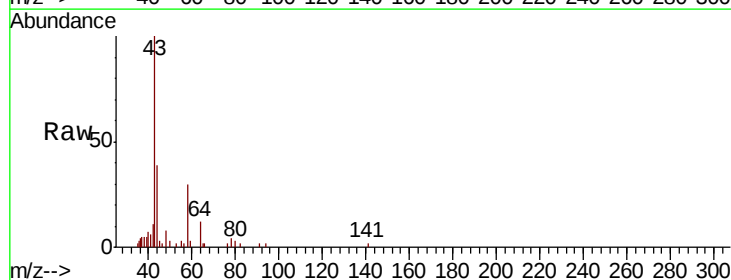
Instrument :
MSVOA_X
ClientSampleId :

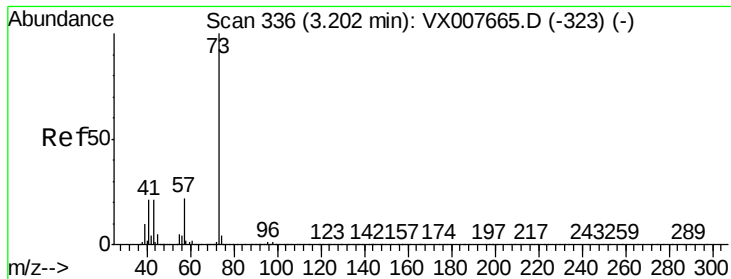
Tot Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 3.287 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

Tgt Ion: 43 Resp: 5600
Ion Ratio Lower Upper
43 100
58 31.2 24.9 37.3

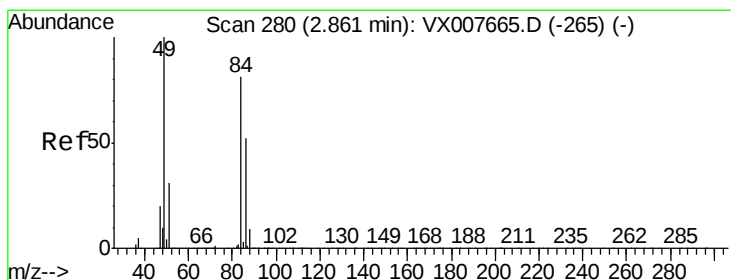
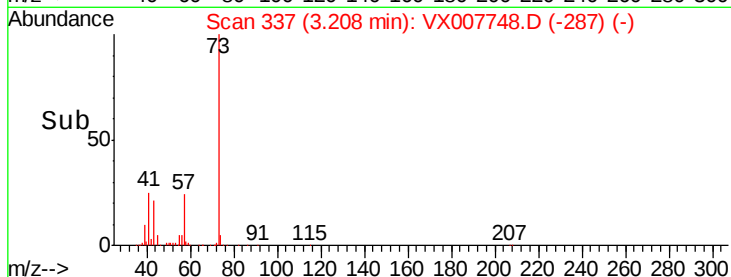
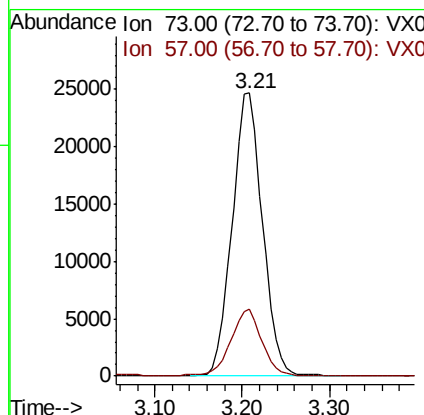
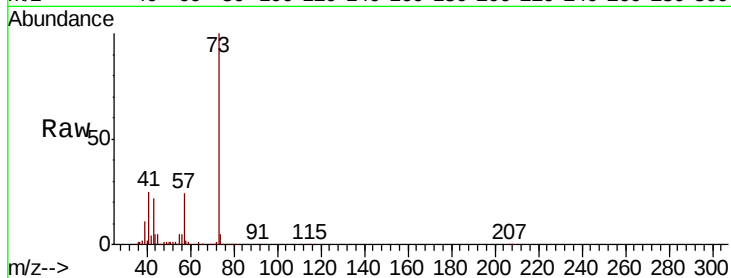




#19
Methvl tert-butvl Ether
Concen: 6.315 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

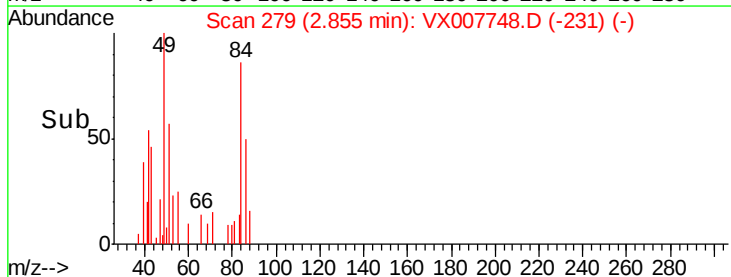
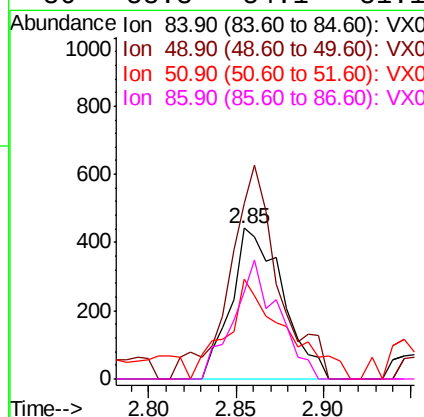
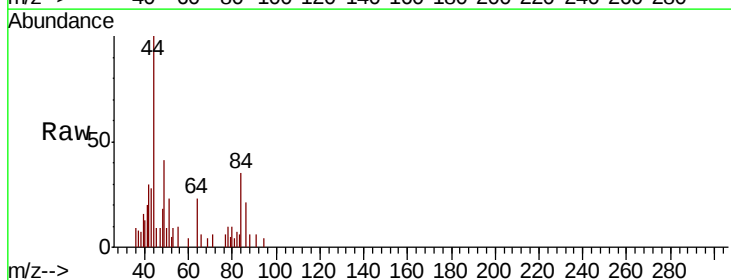
Instrument :
MSVOA_X
ClientSampled :

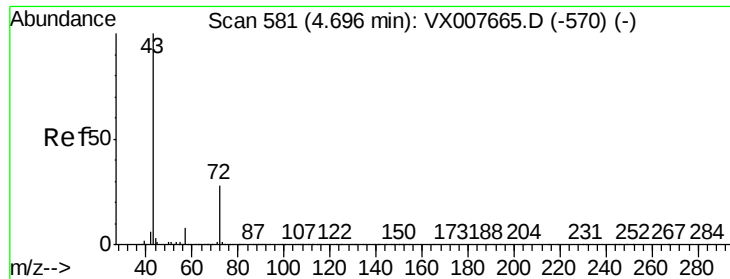
Tot Ion: 73 Resp: 59498
Ion Ratio Lower Upper
73 100
57 23.9 17.8 26.8



#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

Tgt Ion: 84 Resp: 908
Ion Ratio Lower Upper
84 100
49 116.3 94.8 142.2
51 66.0 29.8 44.8#
86 58.3 54.1 81.1





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

Instrument :

MSVOA_X

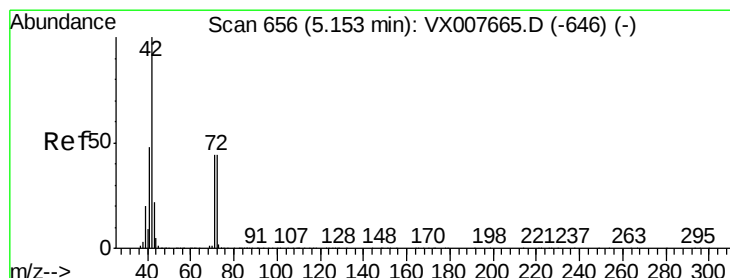
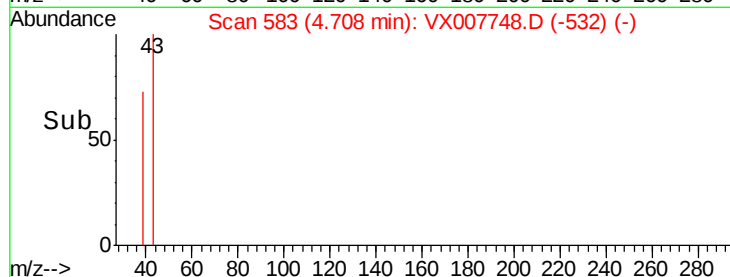
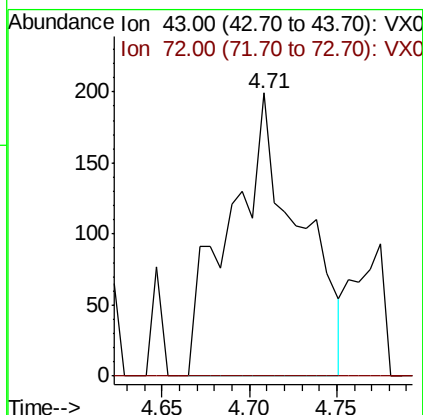
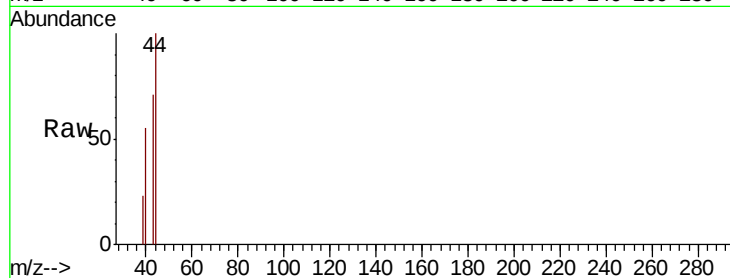
ClientSampleId :

Tot Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#29

Tetrahydrofuran

Concen: 1.015 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

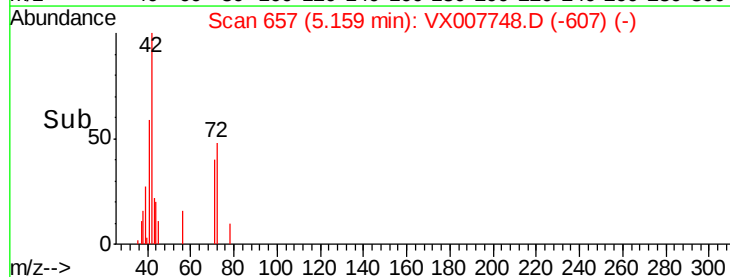
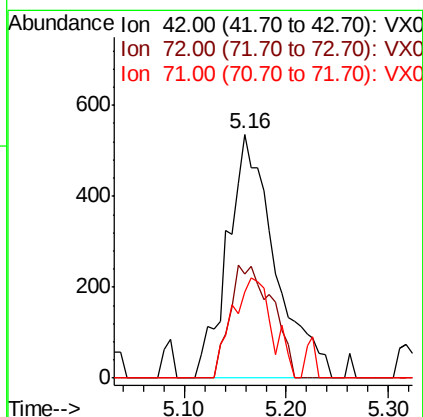
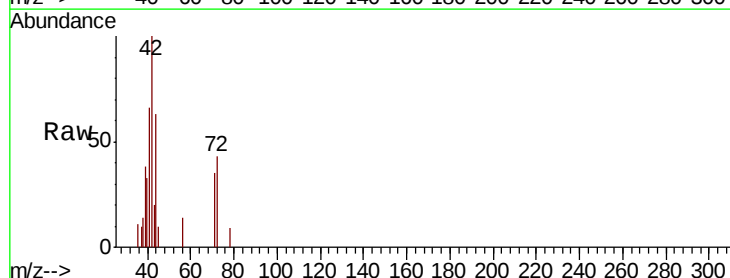
Tgt Ion: 42 Resp: 1737

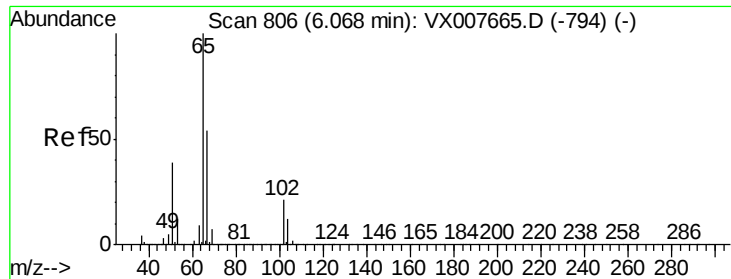
Ion Ratio Lower Upper

42 100

72 41.3 37.6 56.4

71 34.5 34.6 51.8#

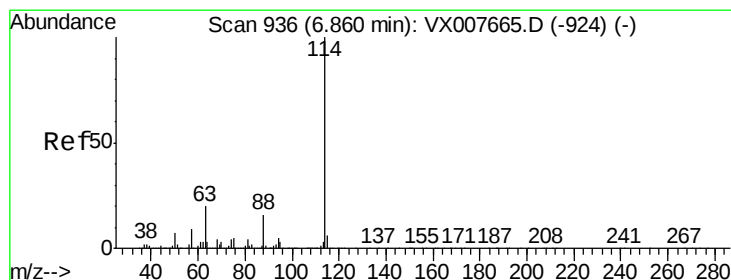
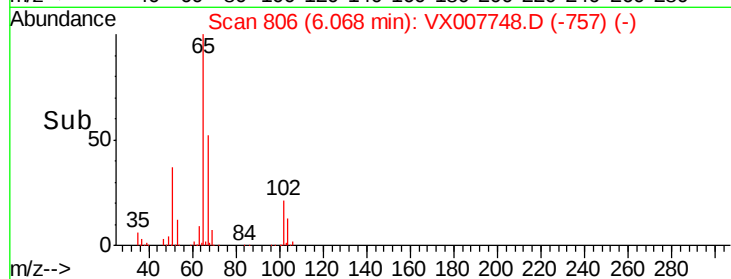
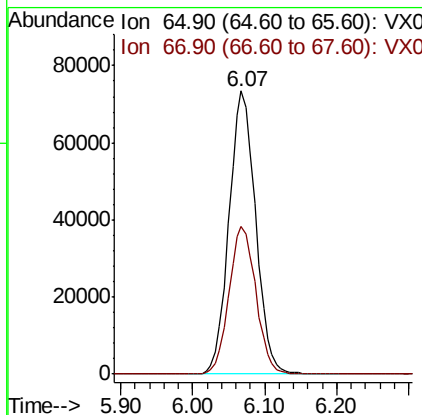
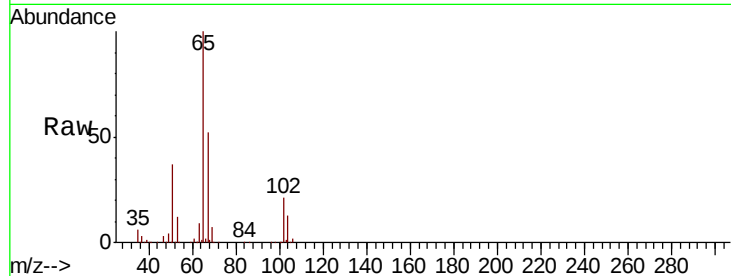




#33
 1,2-Dichloroethane-d4
 Concen: 49.261 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007748.D
 Acq: 27 Feb 2019 21:37

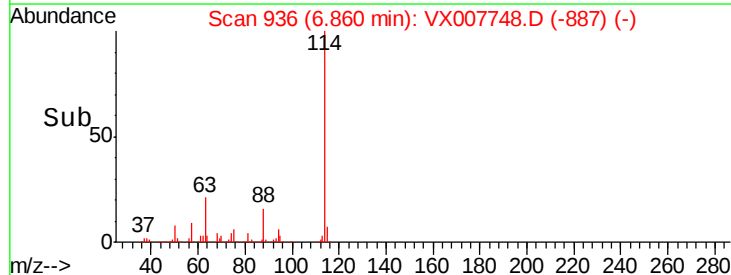
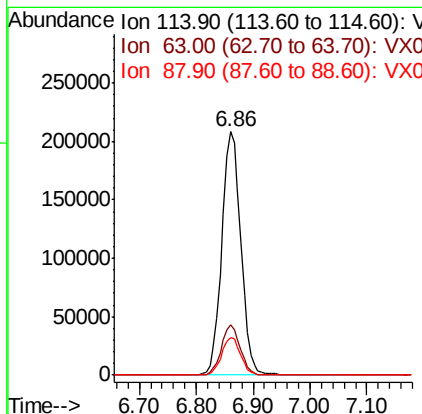
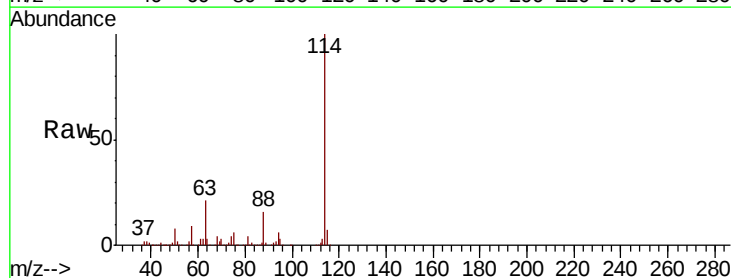
Instrument :
 MSVOA_X
 ClientSampleId :

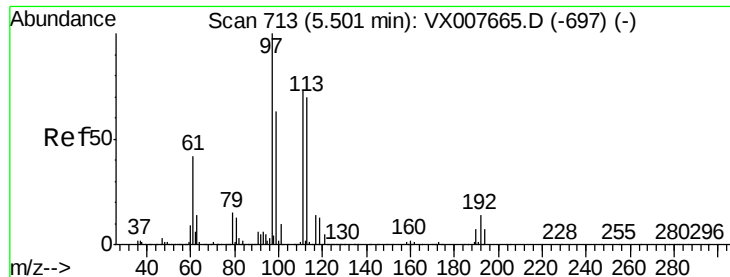
Tot Ion: 65 Resp: 188746
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007748.D
 Acq: 27 Feb 2019 21:37

Tgt Ion: 114 Resp: 483398
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 35.6
 88 15.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.023 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :

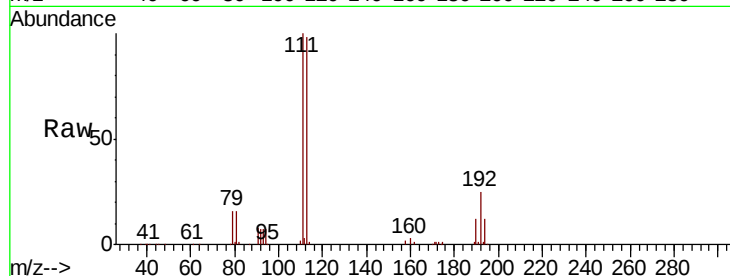
Tot Ion:113 Resp: 155179

Ion Ratio Lower Upper

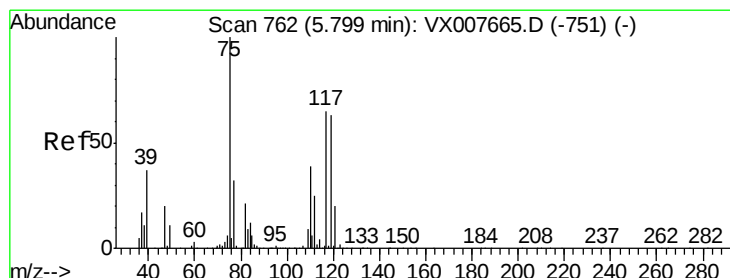
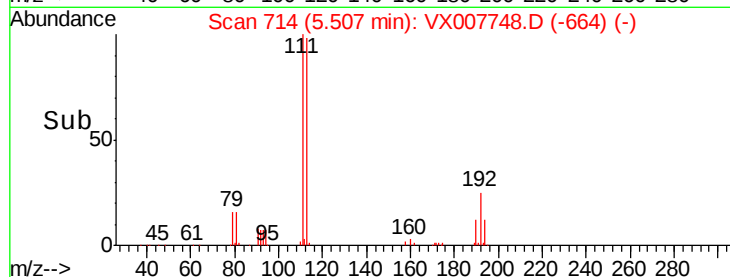
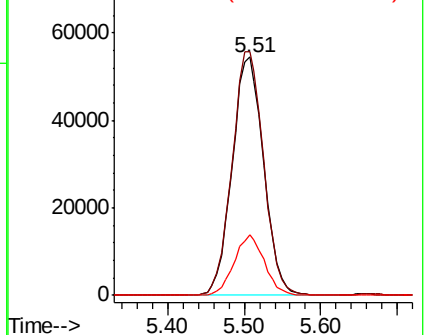
113 100

111 102.1 81.8 122.8

192 24.3 18.5 27.7



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: 4.668 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

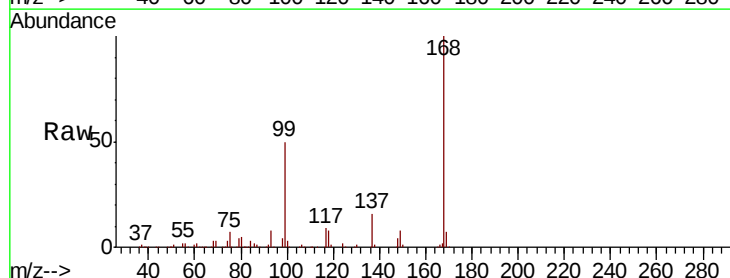
Tgt Ion: 75 Resp: 20285

Ion Ratio Lower Upper

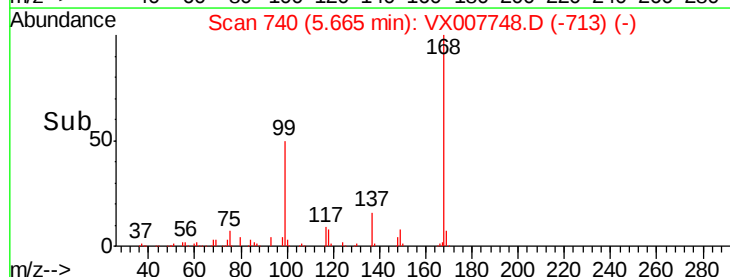
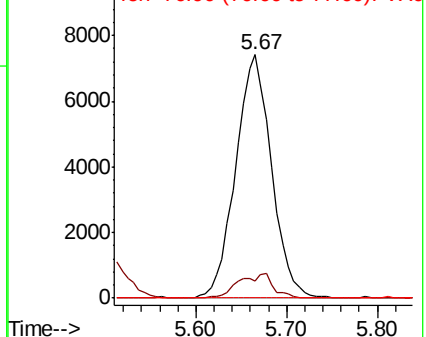
75 100

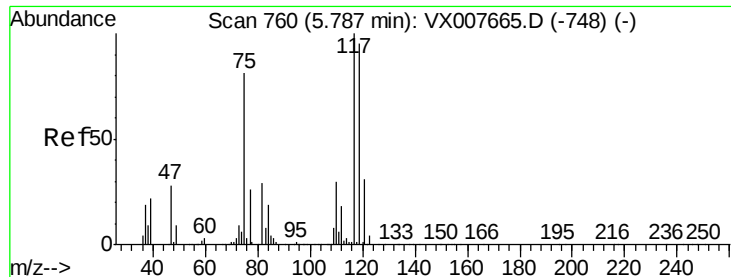
110 9.7 20.0 59.9#

77 0.0 24.7 37.1#



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

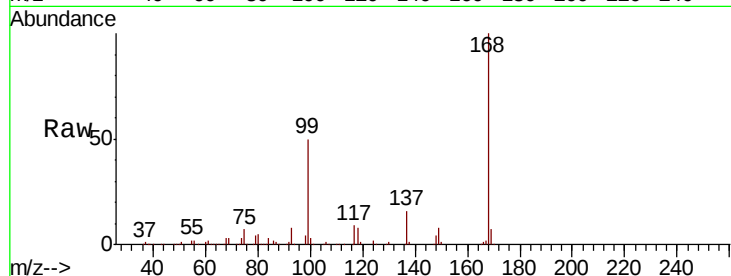




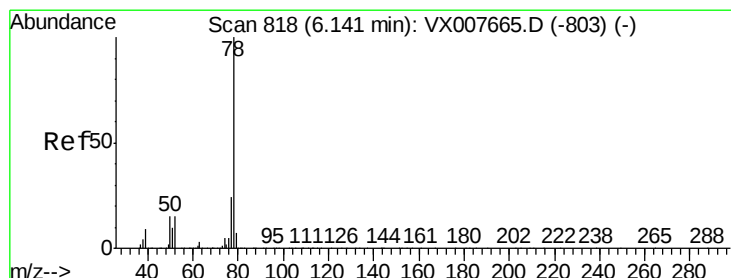
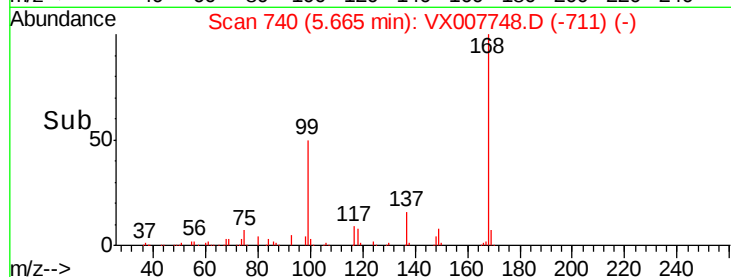
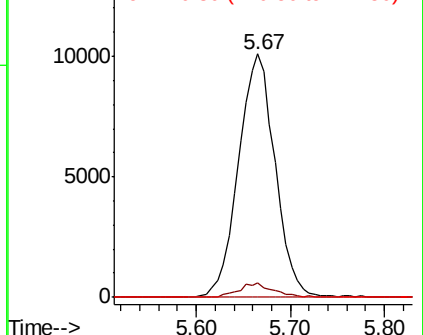
#38
Carbon Tetrachloride
Concen: 6.238 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 27230
Ion Ratio Lower Upper
117 100
119 6.1 75.3 112.9#
121 0.0 25.0 37.4#

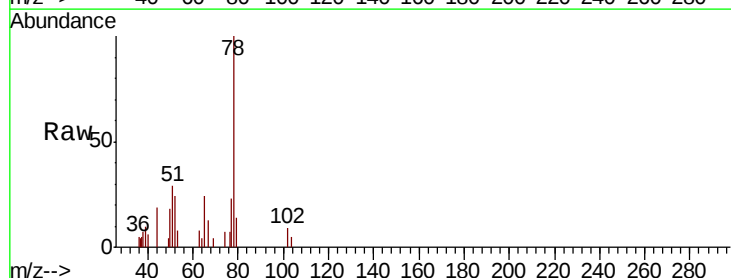


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

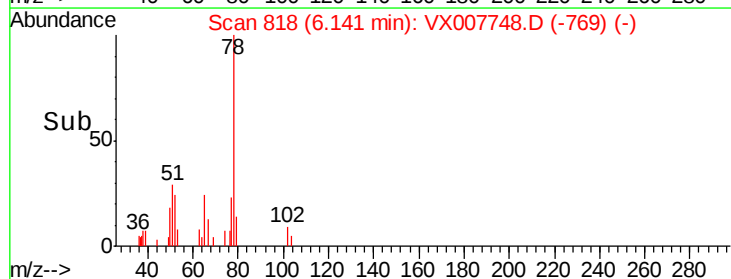
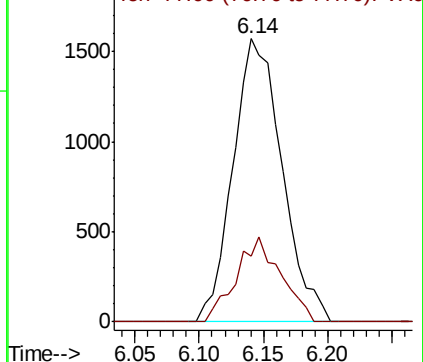


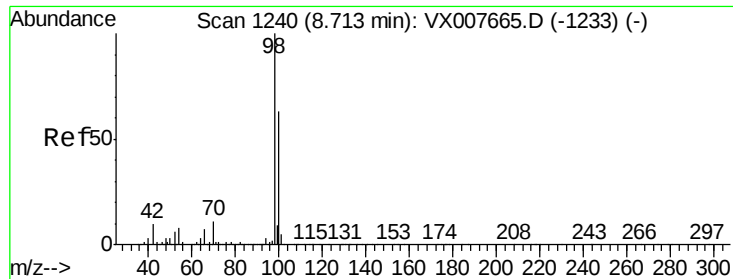
#40
Benzene
Concen: 0.310 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

Tgt Ion: 78 Resp: 4154
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 47.634 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

Instrument :

MSVOA_X

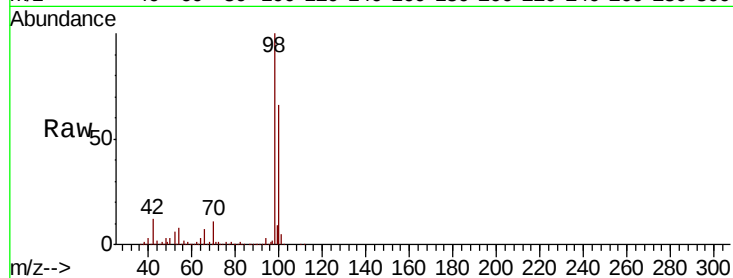
ClientSampleId :

Tot Ion: 98 Resp: 589273

Ion Ratio Lower Upper

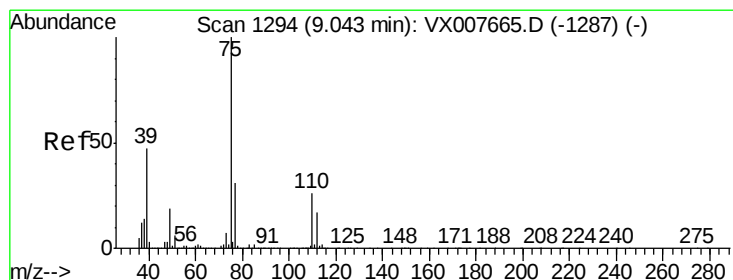
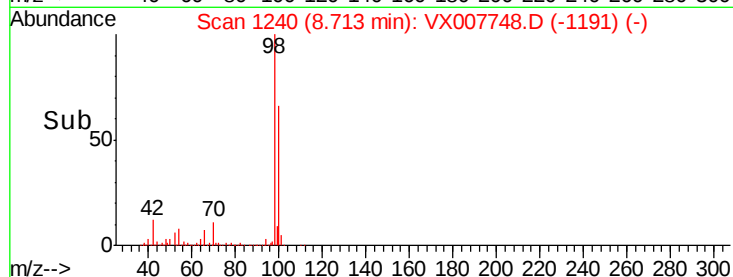
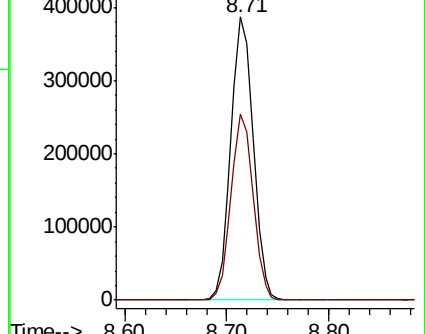
98 100

100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.810 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX007748.D

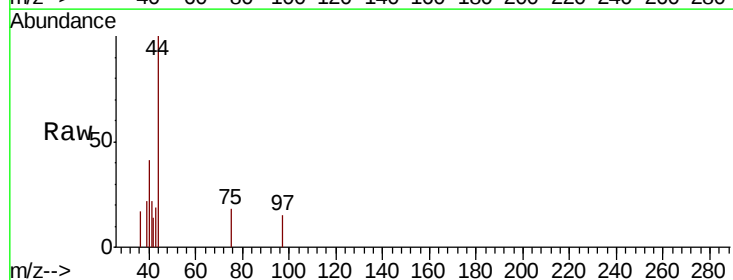
Acq: 27 Feb 2019 21:37

Tgt Ion: 75 Resp: 43

Ion Ratio Lower Upper

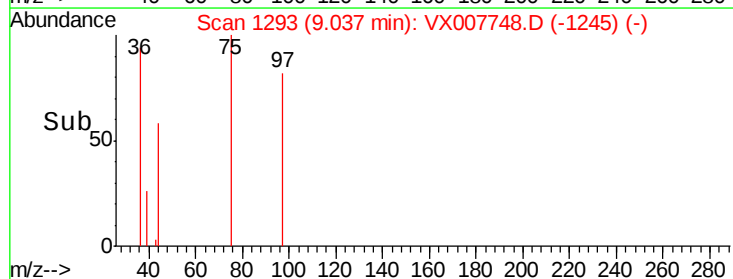
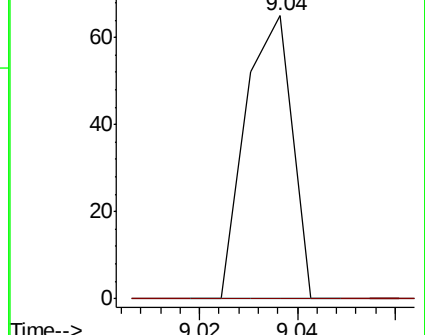
75 100

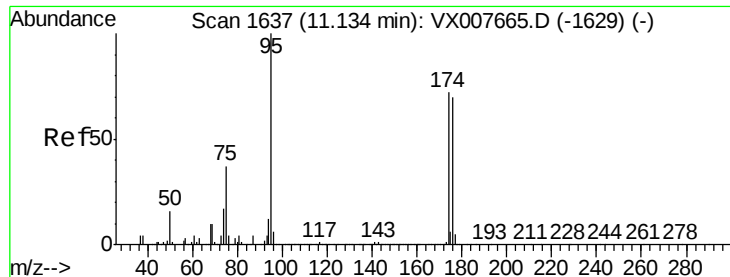
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

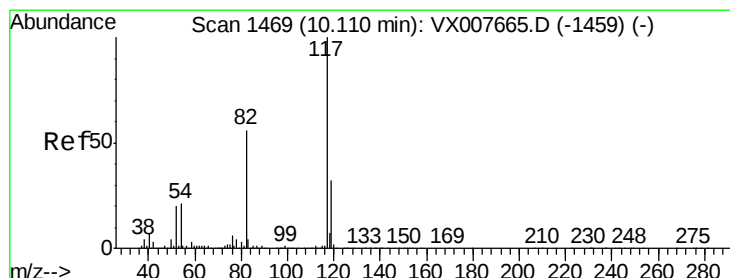
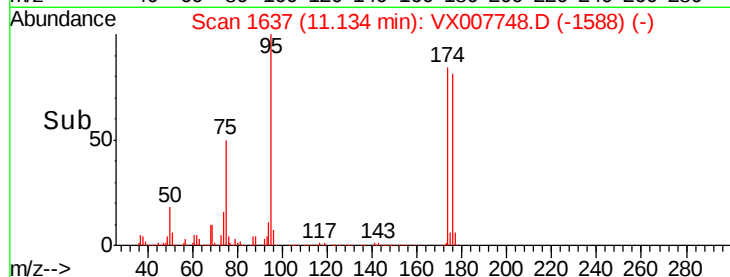
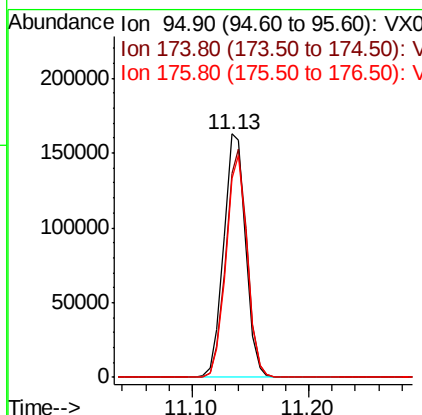
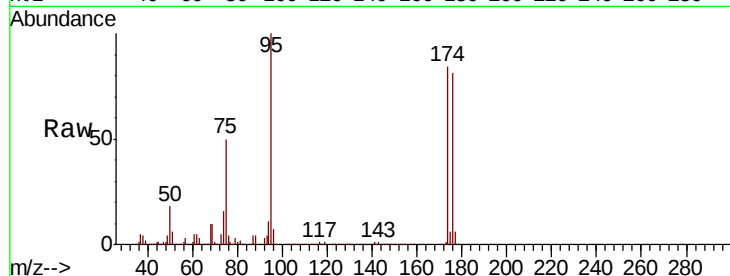




#62
4-Bromofluorobenzene
Concen: 46.650 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

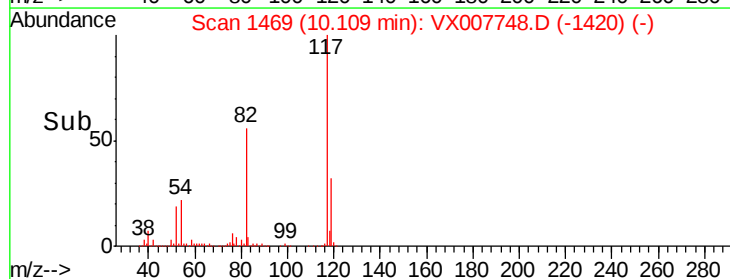
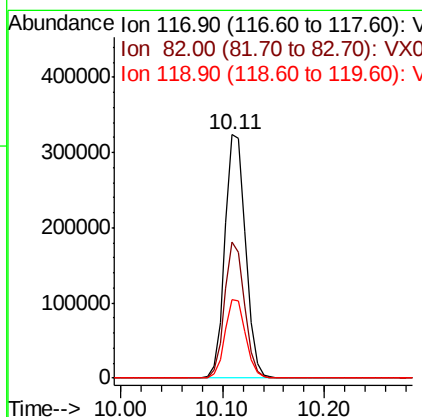
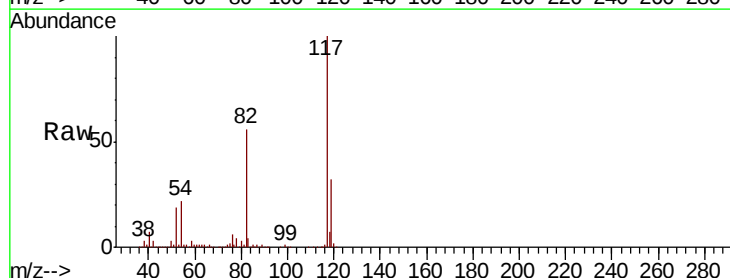
Instrument :
MSVOA_X
ClientSampleId :

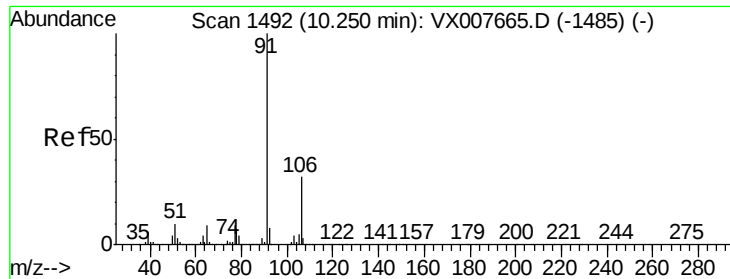
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	189.2
176	88.4	0.0	186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.1	63.1
119	32.2	26.5	39.7

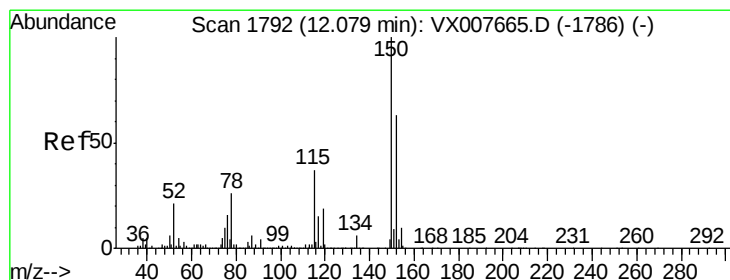
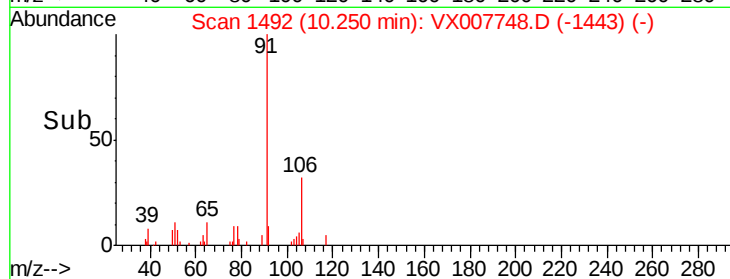
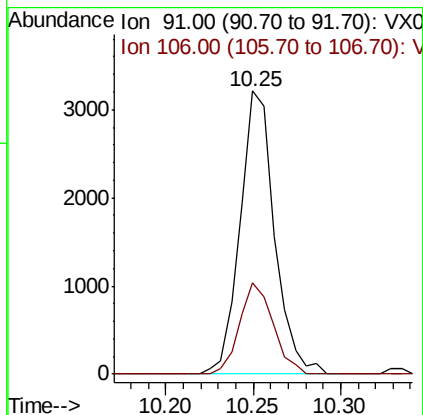
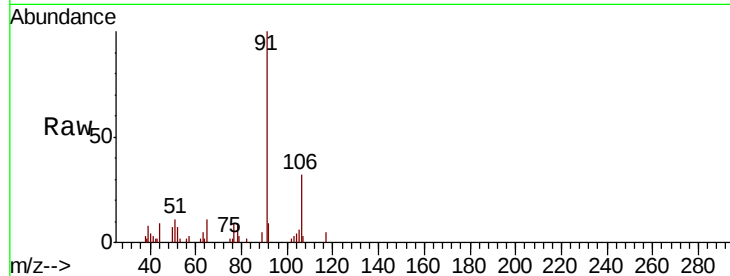




#67
Ethyl Benzene
Concen: 0.271 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

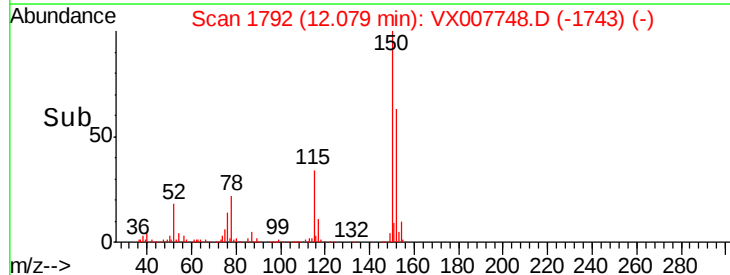
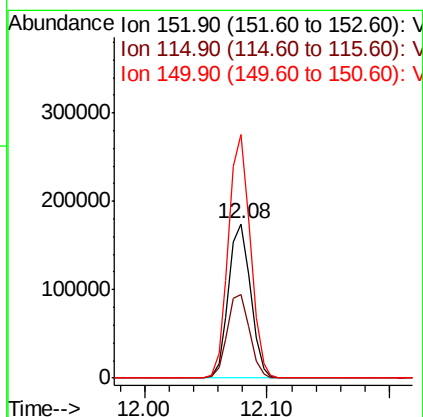
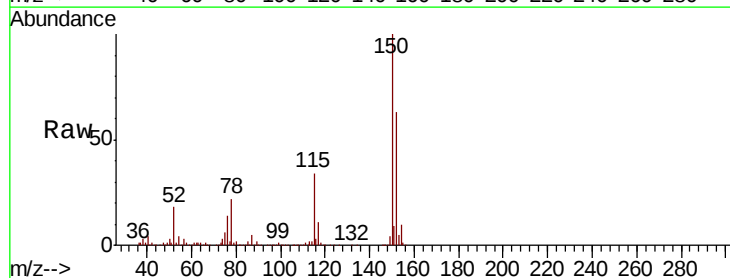
Instrument :
MSVOA_X
ClientSampleId :

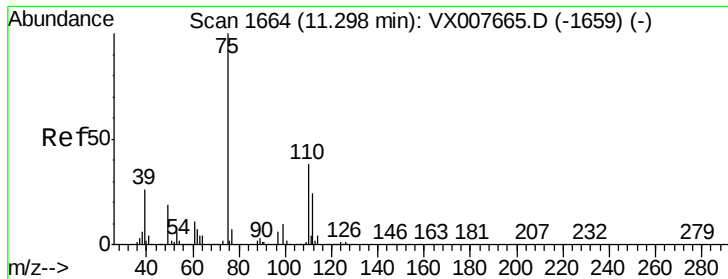
Tot Ion: 91 Resp: 4391
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007748.D
Acq: 27 Feb 2019 21:37

Tgt Ion: 152 Resp: 216779
Ion Ratio Lower Upper
152 100
115 55.1 38.0 114.0
150 156.8 0.0 346.4

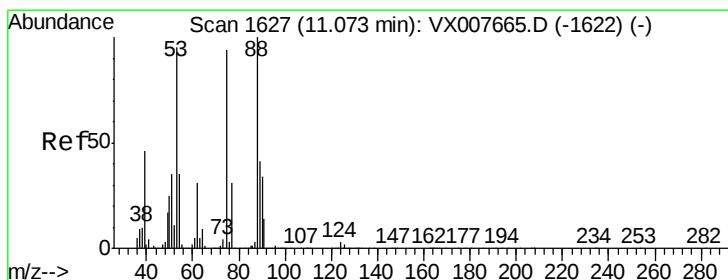
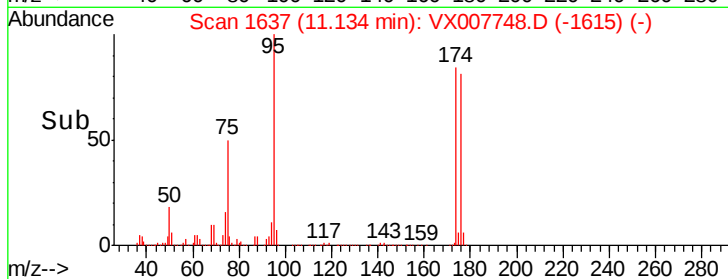
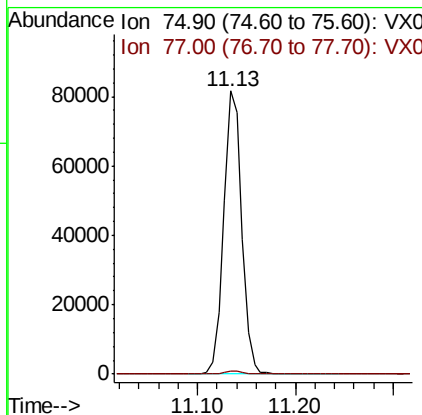
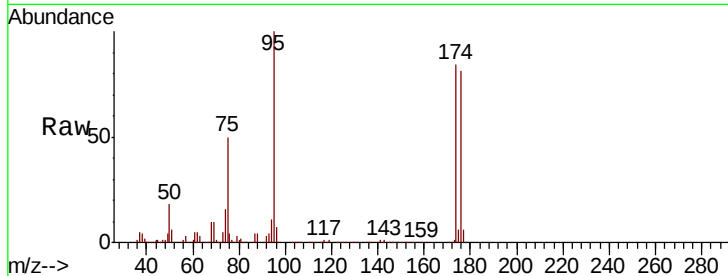




#76
 1,2,3-Trichloropropane
 Concen: 22.506 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007748.D
 Acq: 27 Feb 2019 21:37

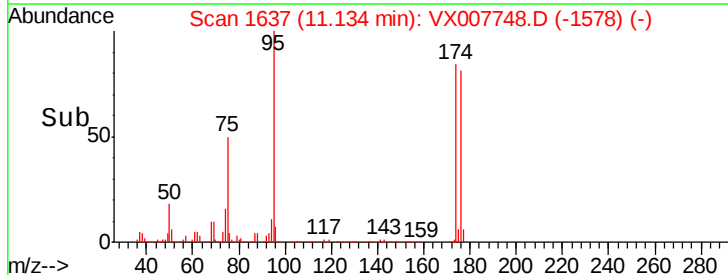
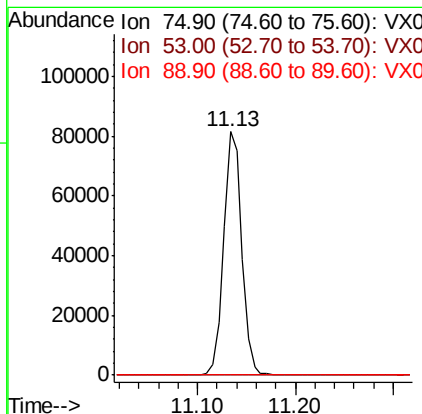
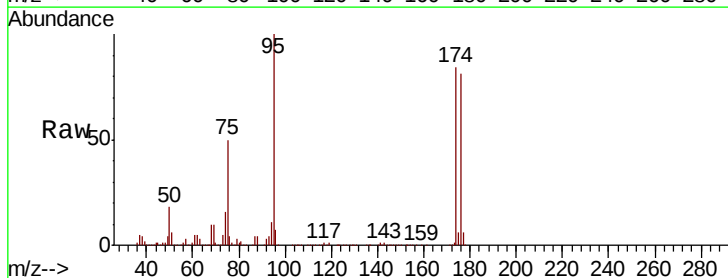
Instrument :
 MSVOA_X
 ClientSampleId :

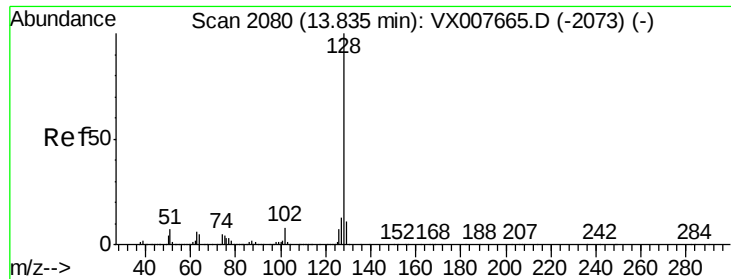
Tot Ion: 75 Resp: 103994
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.0 69.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.689 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007748.D
 Acq: 27 Feb 2019 21:37

Tgt Ion: 75 Resp: 103994
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.6#
 89 0.0 41.4 62.0#





#95

Naphthalene

Concen: 0.216 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007748.D

Acq: 27 Feb 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

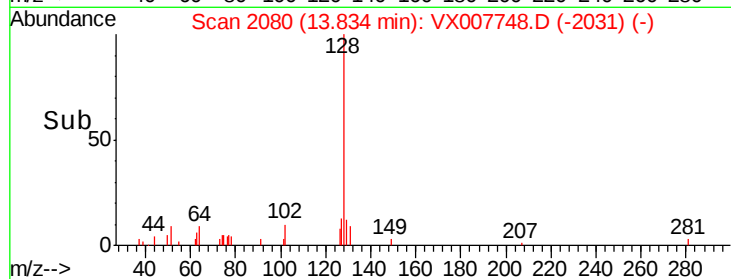
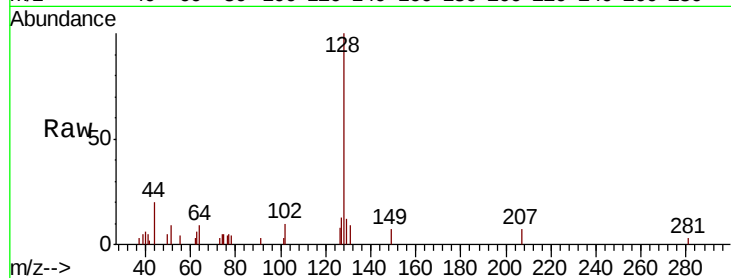
Tot Ion:128 Resp: 3081

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

