

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005907.D
 Acq On : 12 Nov 2018 18:14
 Operator : JC/MD
 Sample : J5899-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0148

Quant Time: Nov 13 04:43:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	112946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	160537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	146734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72668	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	65378	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	5.50	113	53446	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	195602	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	11.14	95	66222	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	

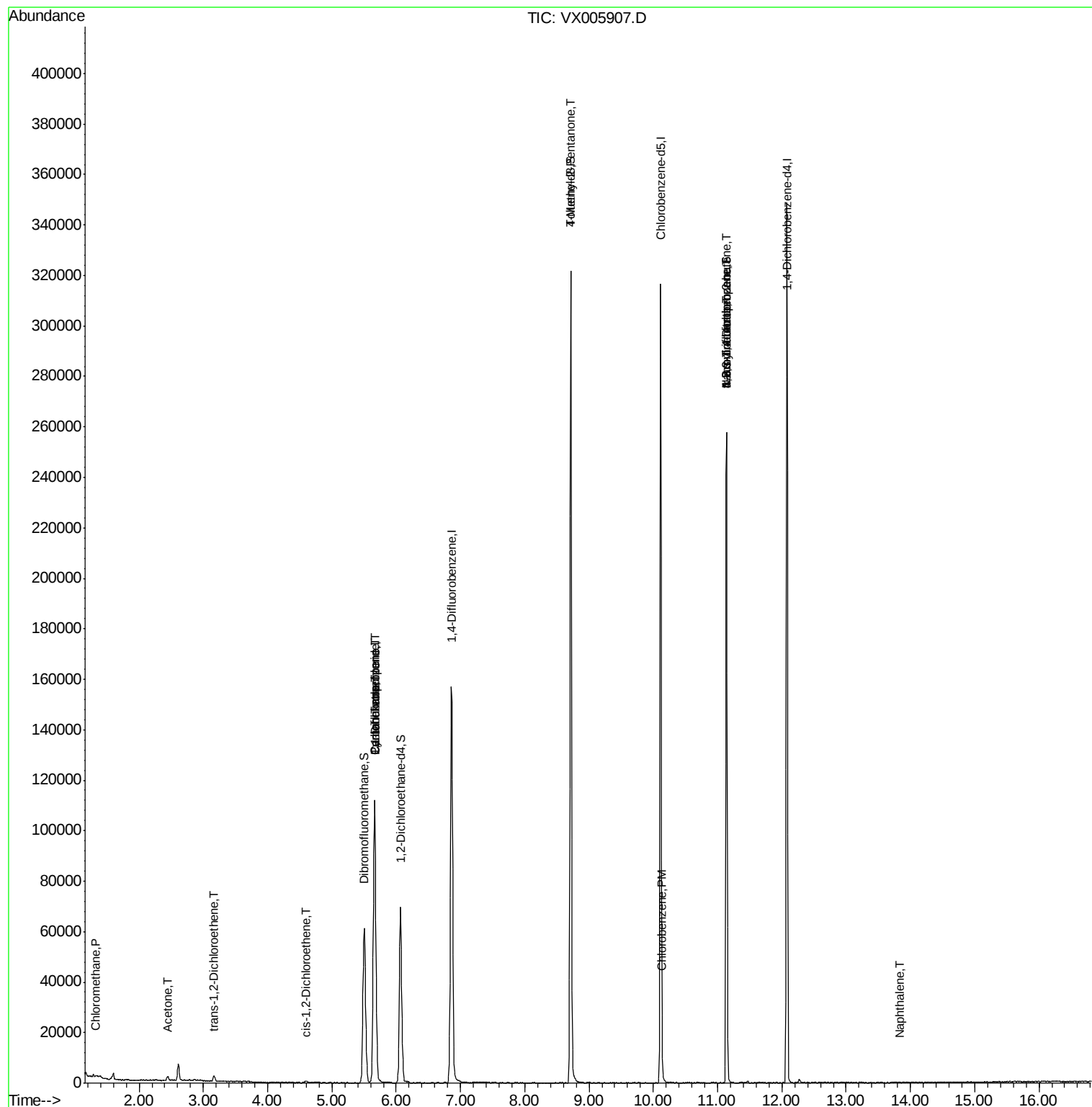
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	301	0.225	ug/l #	88
16) Acetone	2.44	43	1993	2.851	ug/l	100
18) Methyl Acetate	2.78	43	729	Below Cal	#	84
21) trans-1,2-Dichloroethene	3.17	96	882	0.838	ug/l	85
27) cis-1,2-Dichloroethene	4.60	96	346	0.298	ug/l	60
31) Cyclohexane	5.67	56	2064	1.141	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7586	4.902	ug/l #	49
38) Carbon Tetrachloride	5.66	117	10120	6.532	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	871	0.469	ug/l #	1
65) Chlorobenzene	10.14	112	929	0.316	ug/l	90
74) N-amyl acetate	11.14	43	44	1.269	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	33224	22.454	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	33224	71.563	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	46	Below Cal	#	31
95) Naphthalene	13.83	128	108	1.198	ug/l #	69

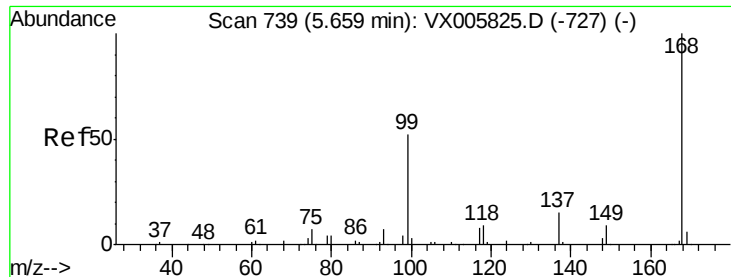
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

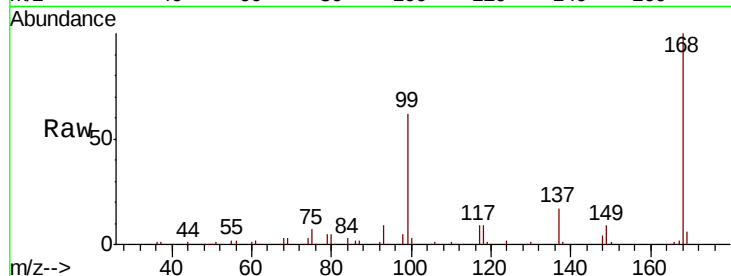
S36-0148

Tot Ion:168 Resp: 112946

Ion Ratio Lower Upper

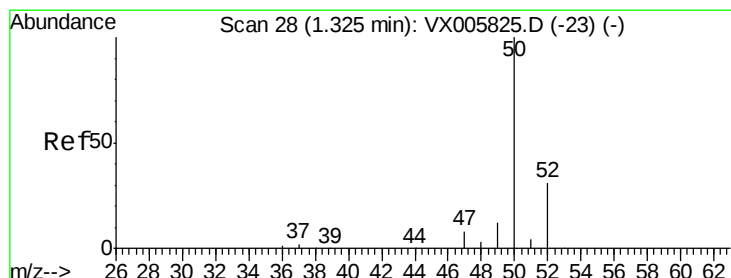
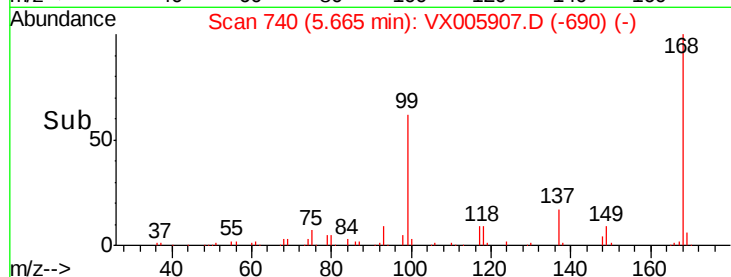
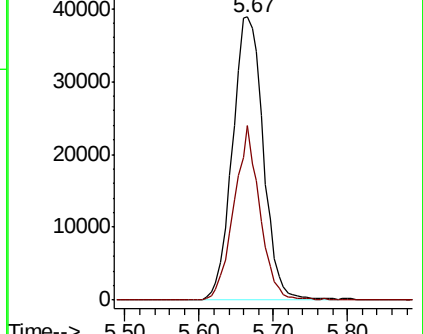
168 100

99 61.8 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005907.D

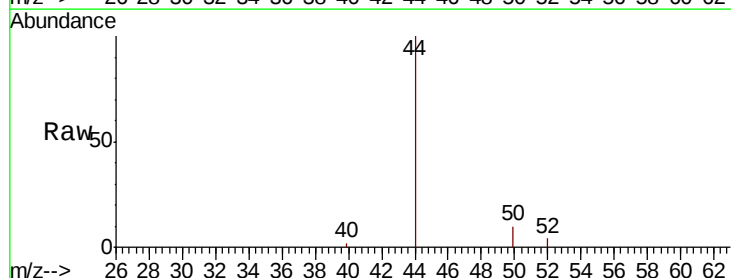
Acq: 12 Nov 2018 18:14

Tgt Ion: 50 Resp: 301

Ion Ratio Lower Upper

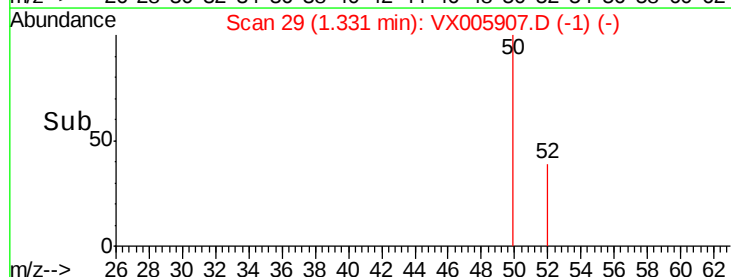
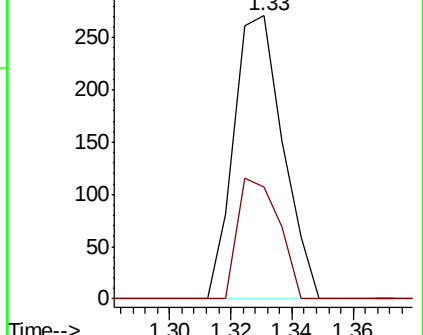
50 100

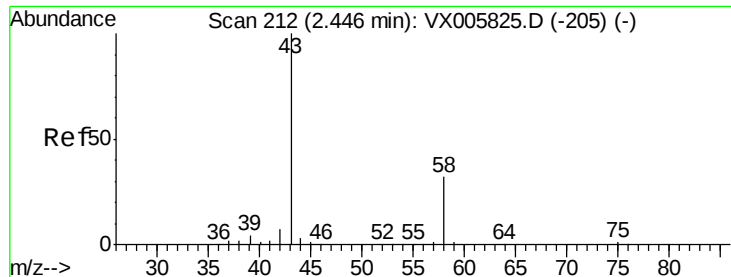
52 39.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#16

Acetone

Concen: 2.851 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

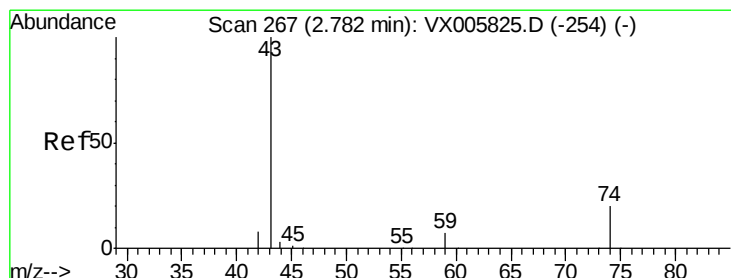
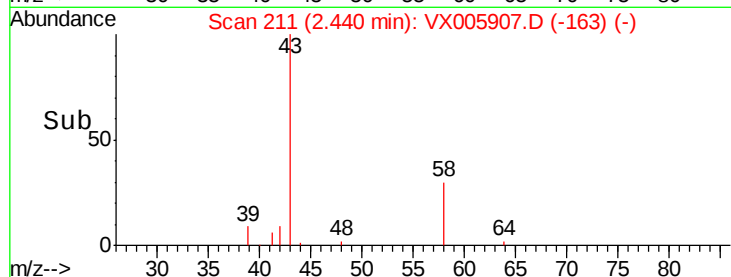
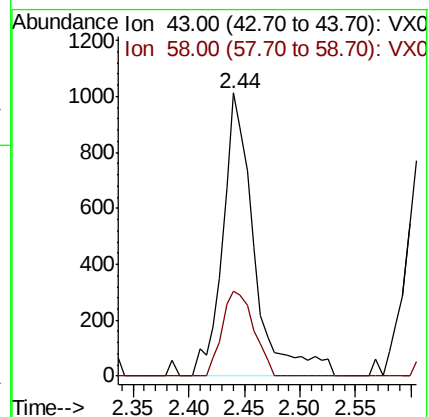
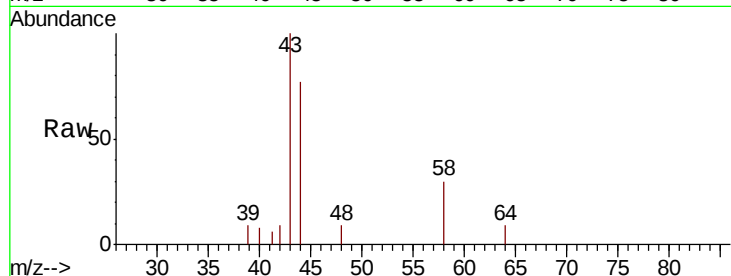
S36-0148

Tot Ion: 43 Resp: 1993

Ion Ratio Lower Upper

43 100

58 29.8 23.8 35.6



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005907.D

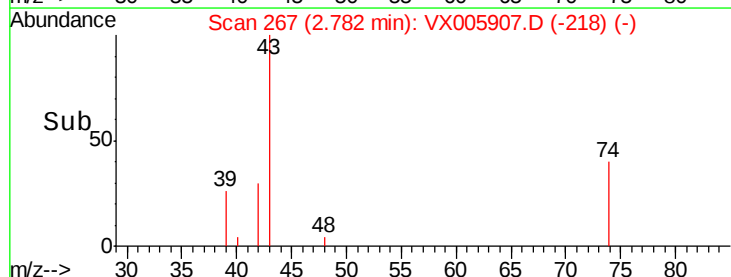
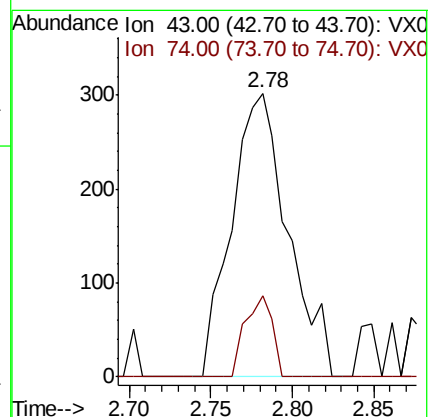
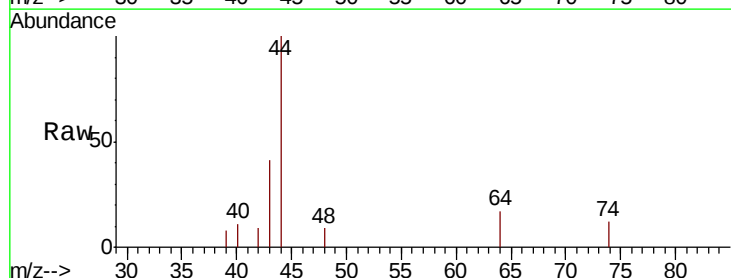
Acq: 12 Nov 2018 18:14

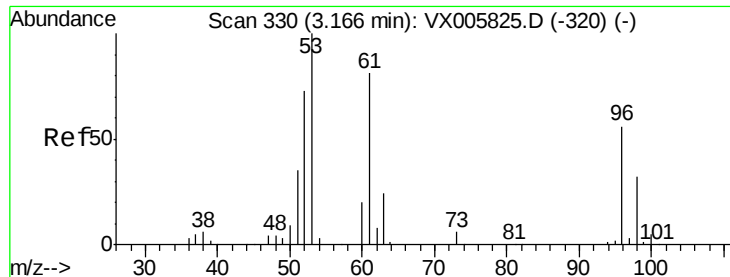
Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

74 13.7 16.8 25.2#





#21

trans-1,2-Dichloroethene

Concen: 0.838 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

S36-0148

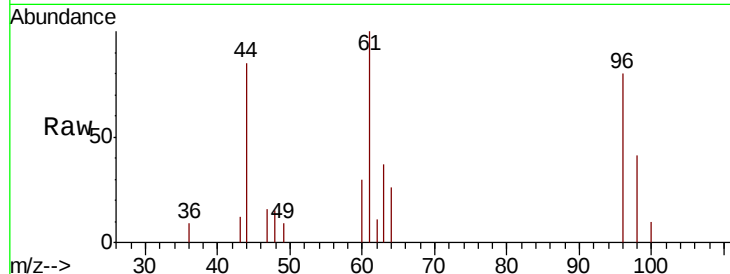
Tot Ion: 96 Resp: 882

Ion Ratio Lower Upper

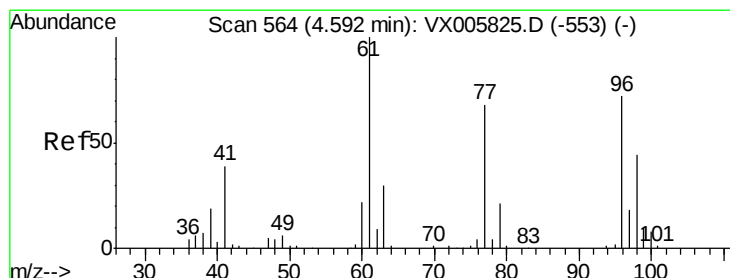
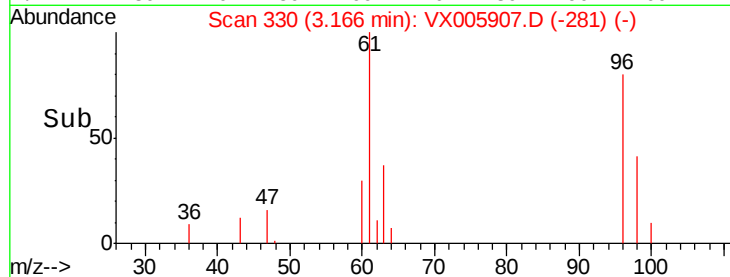
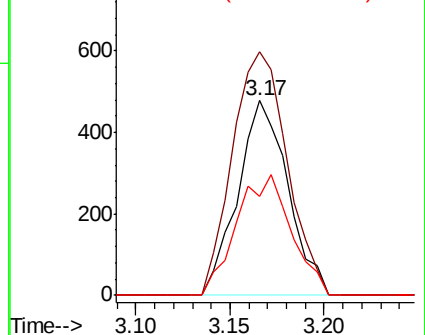
96 100

61 125.1 115.6 173.4

98 51.0 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.298 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

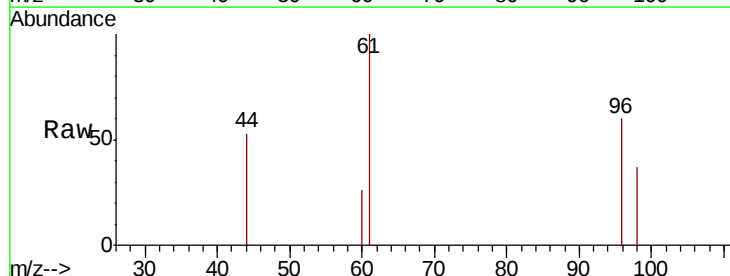
Tgt Ion: 96 Resp: 346

Ion Ratio Lower Upper

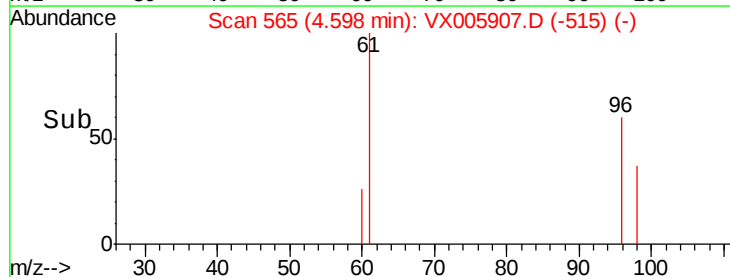
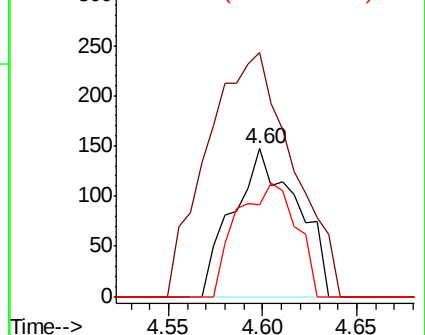
96 100

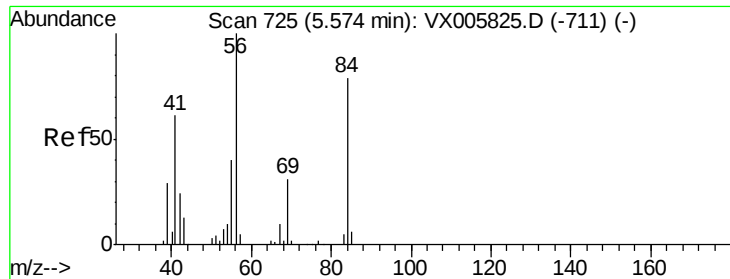
61 219.9 0.0 304.6

98 71.4 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

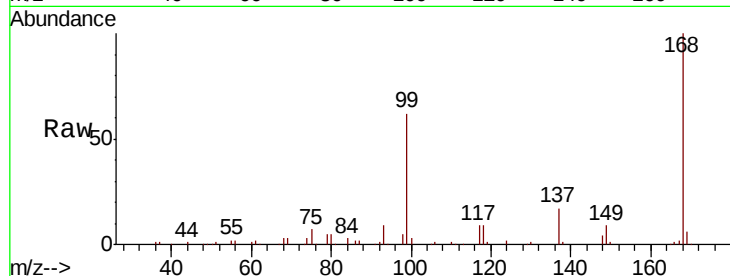




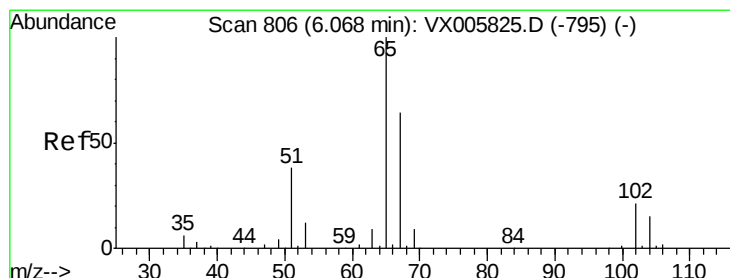
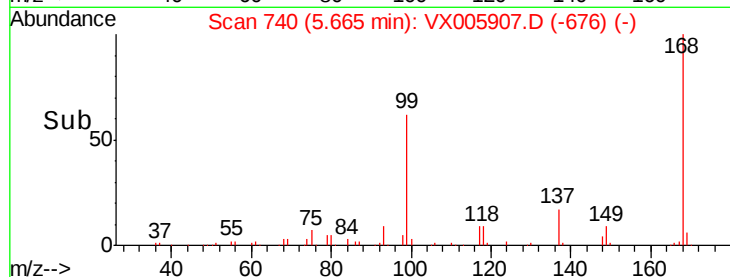
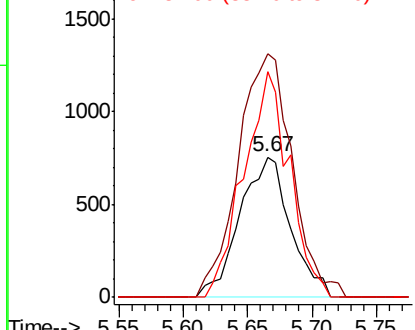
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005907.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_X
ClientSampleId :
S36-0148

Tot Ion: 56 Resp: 2064
Ion Ratio Lower Upper
56 100
69 173.4 22.6 34.0#
84 160.8 62.7 94.1#

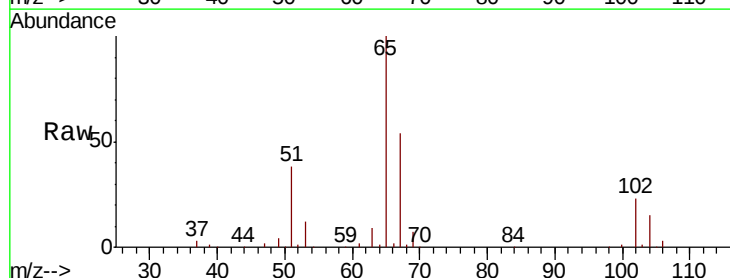


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

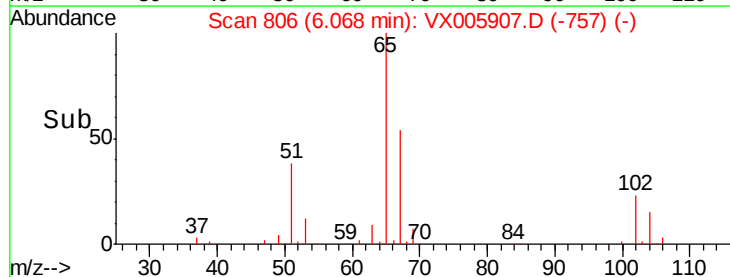
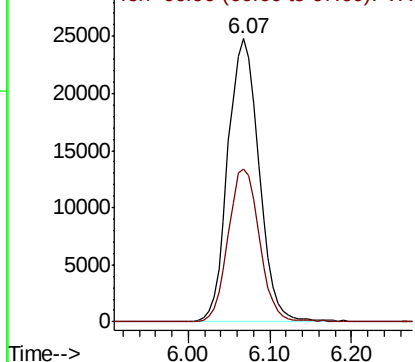


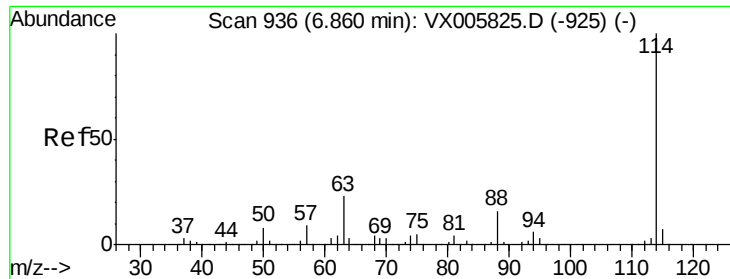
#33
1,2-Dichloroethane-d4
Concen: 50.350 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005907.D
Acq: 12 Nov 2018 18:14

Tgt Ion: 65 Resp: 65378
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

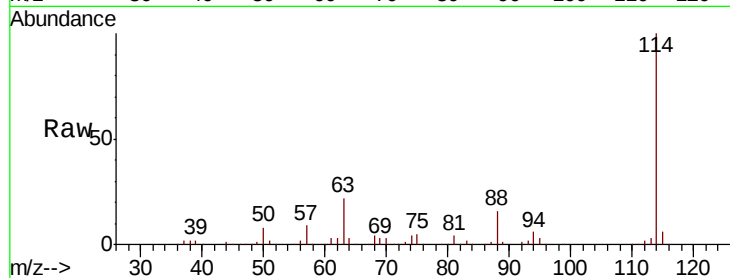




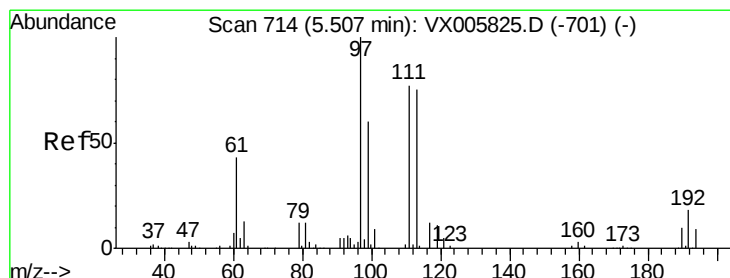
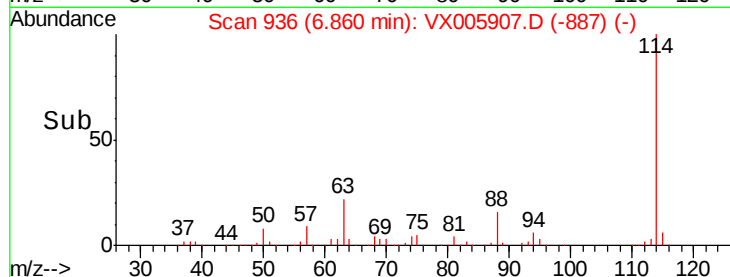
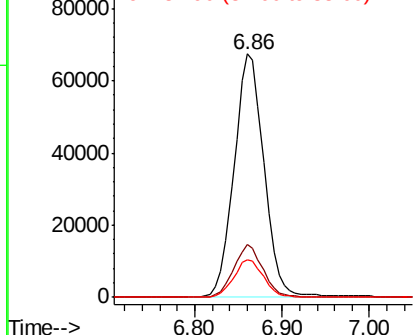
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005907.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0148

Tot Ion:114 Resp: 160537
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.8
 88 15.6 0.0 31.2

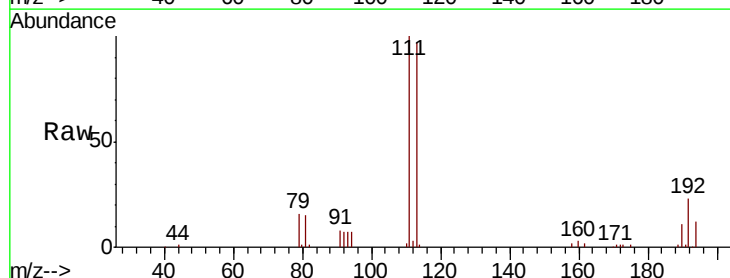


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

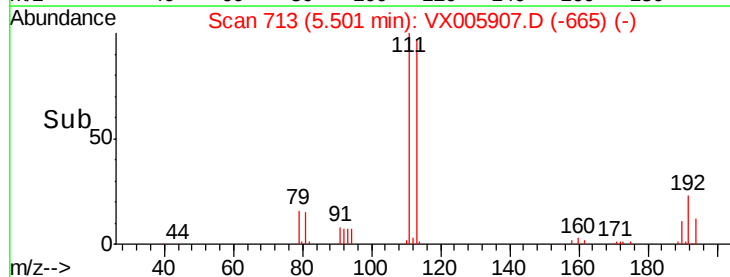
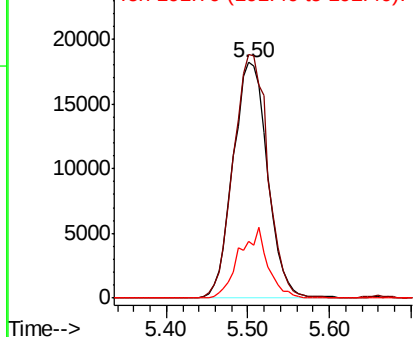


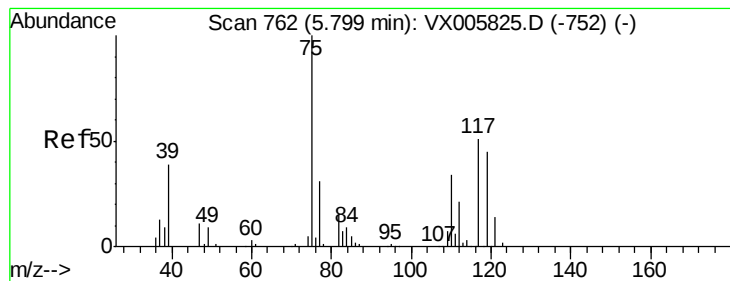
#35
 Dibromofluoromethane
 Concen: 48.948 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005907.D
 Acq: 12 Nov 2018 18:14

Tgt Ion:113 Resp: 53446
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.3 123.5
 192 24.8 17.9 26.9



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: 4.902 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

S36-0148

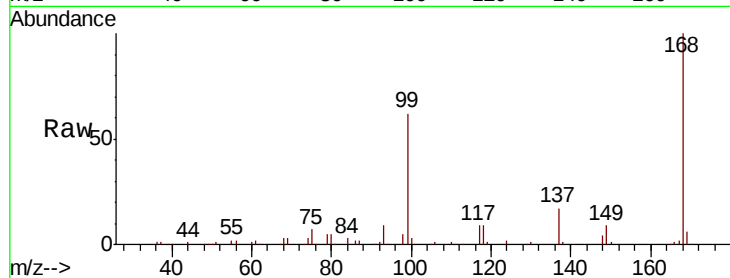
Tot Ion: 75 Resp: 7586

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

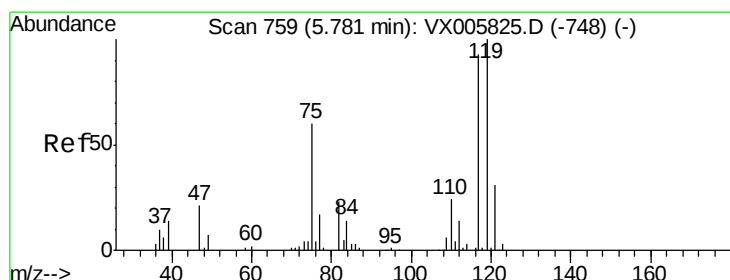
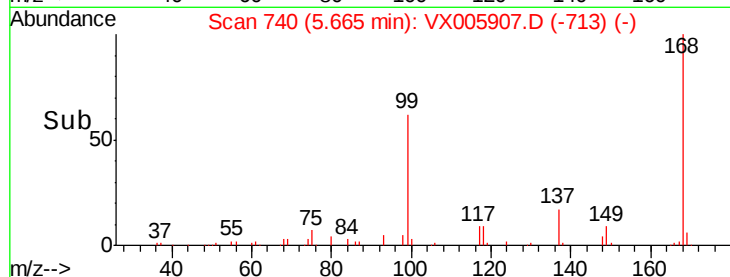
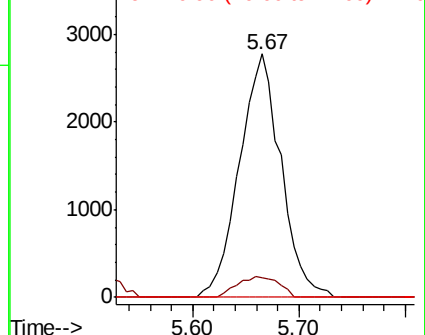
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX005825.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX005825.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX005825.D (-752) (-)



#38

Carbon Tetrachloride

Concen: 6.532 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

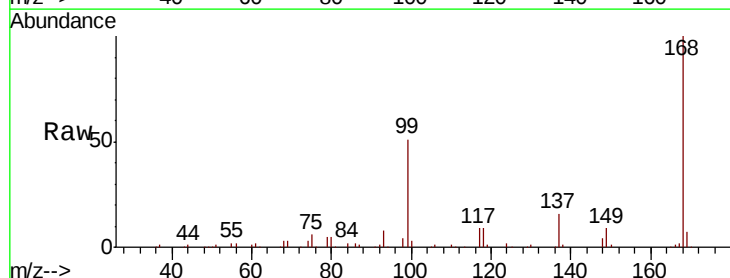
Tgt Ion: 117 Resp: 10120

Ion Ratio Lower Upper

117 100

119 6.6 78.1 117.1#

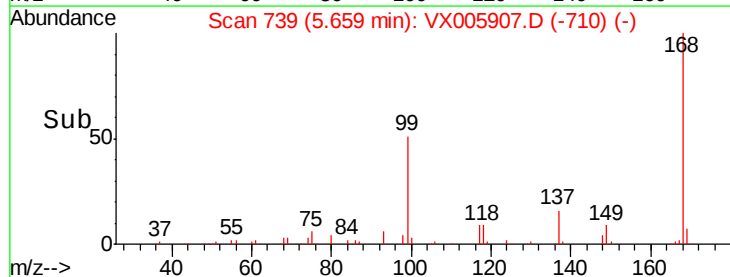
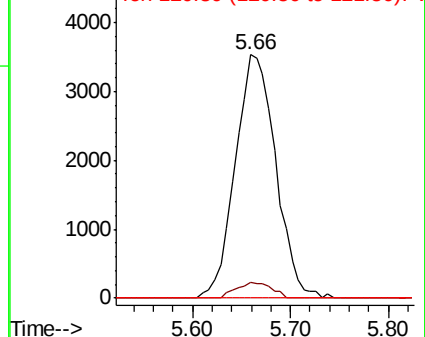
121 0.0 24.6 36.8#

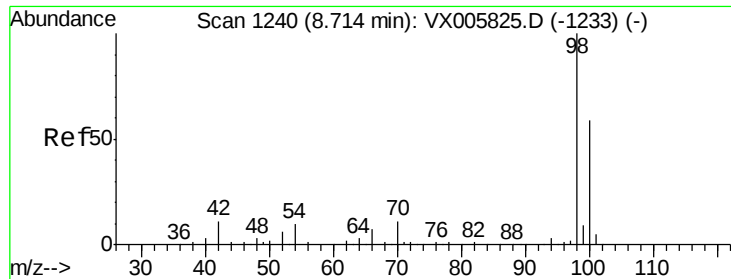


Abundance Ion 116.80 (116.50 to 117.50): VX005825.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005825.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005825.D (-748) (-)





#50

Toluene-d8

Concen: 53.884 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

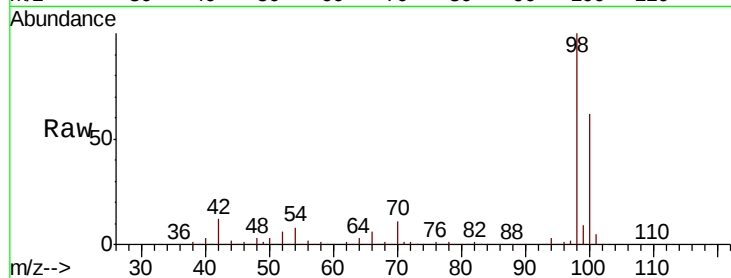
S36-0148

Tot Ion: 98 Resp: 195602

Ion Ratio Lower Upper

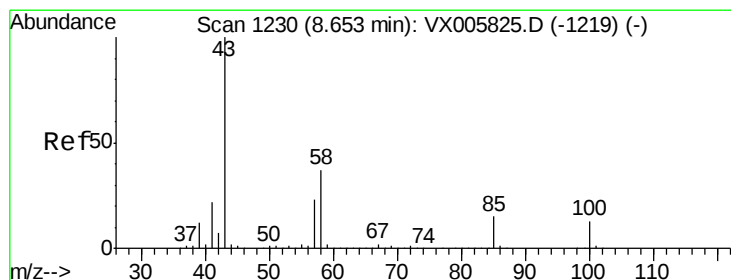
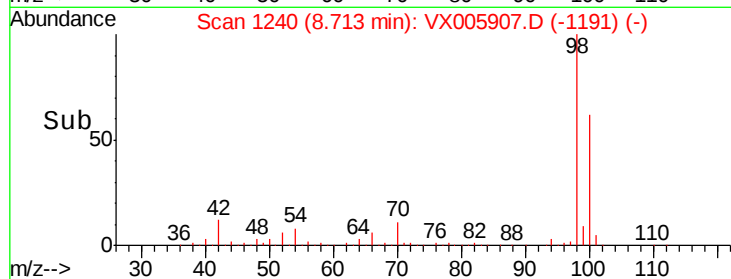
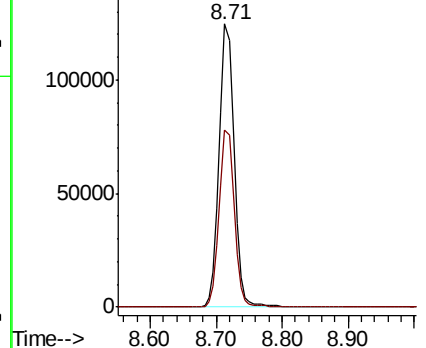
98 100

100 63.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VX005907.D

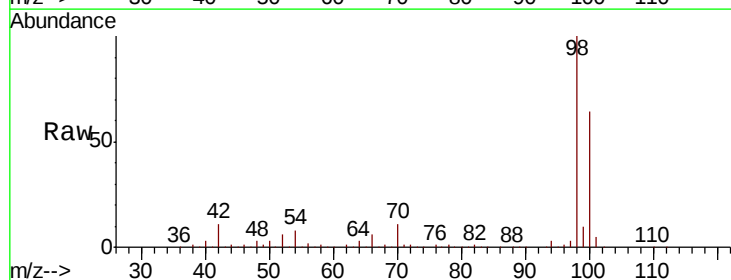
Acq: 12 Nov 2018 18:14

Tgt Ion: 43 Resp: 871

Ion Ratio Lower Upper

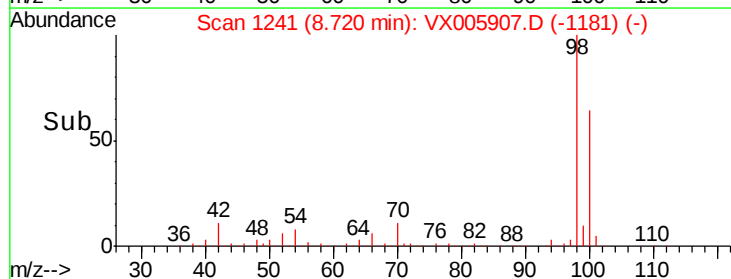
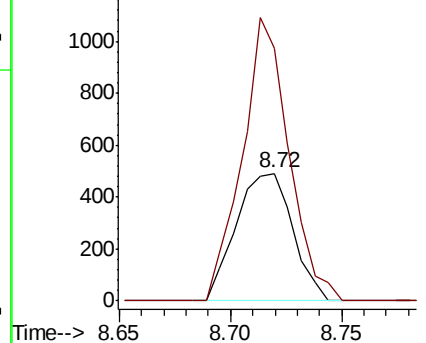
43 100

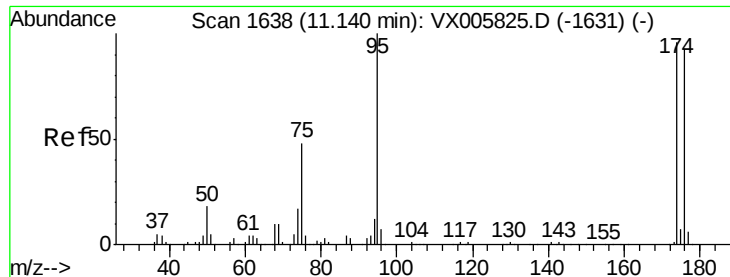
58 183.5 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.739 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

S36-0148

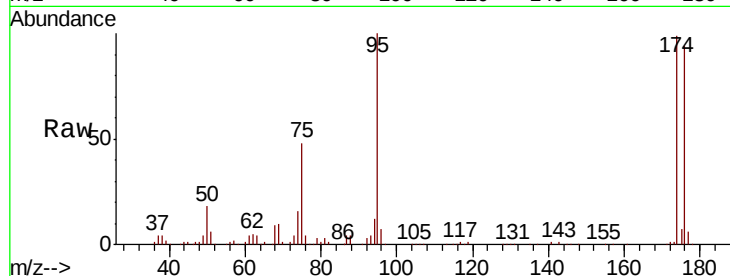
Tot Ion: 95 Resp: 66222

Ion Ratio Lower Upper

95 100

174 93.5 0.0 184.4

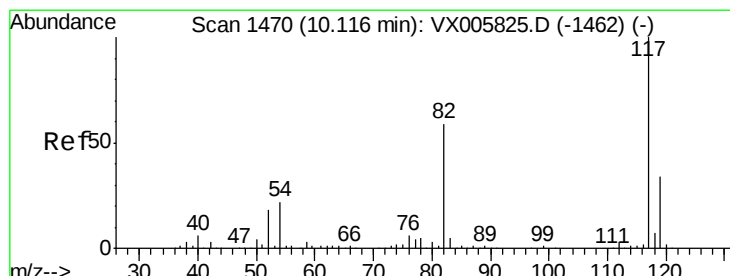
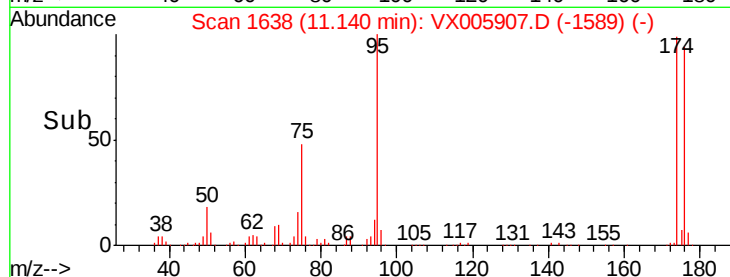
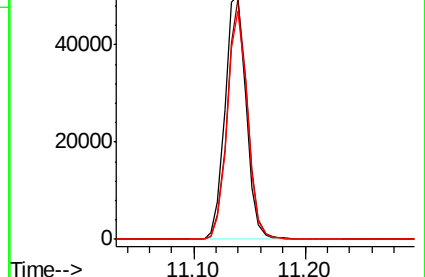
176 89.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

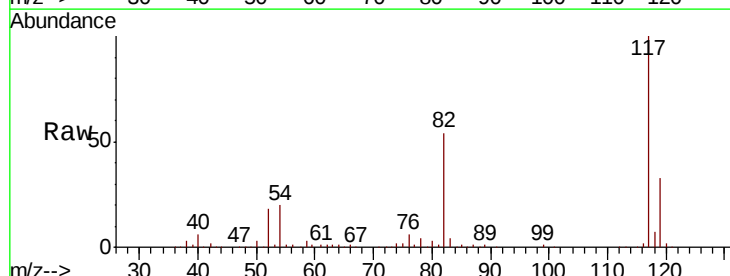
Tgt Ion: 117 Resp: 146734

Ion Ratio Lower Upper

117 100

82 54.5 44.1 66.1

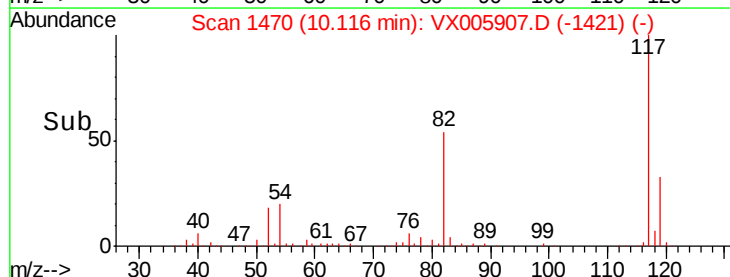
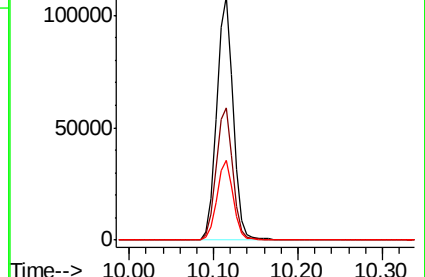
119 32.5 26.2 39.2

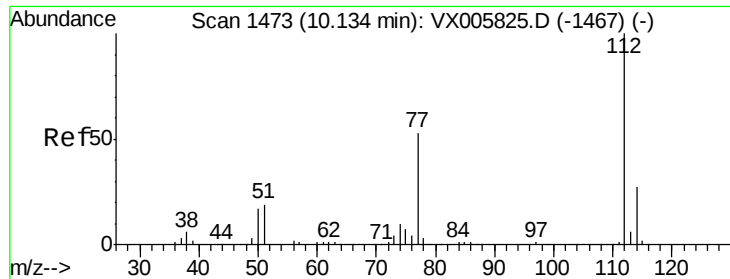


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

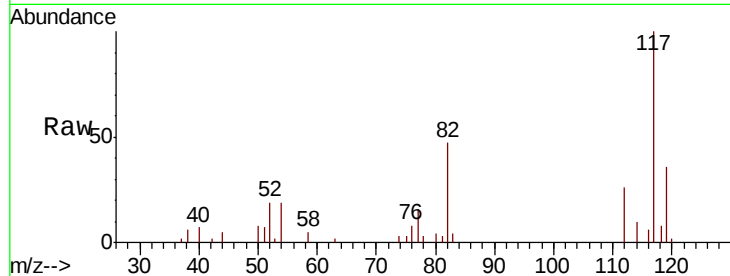




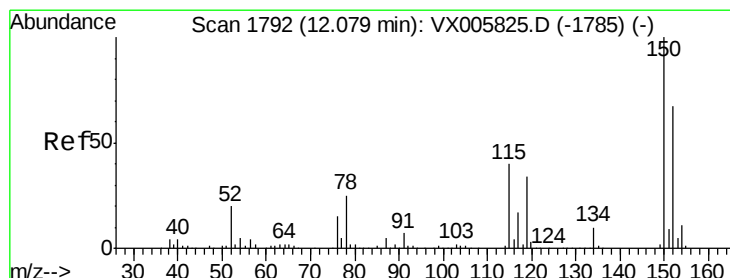
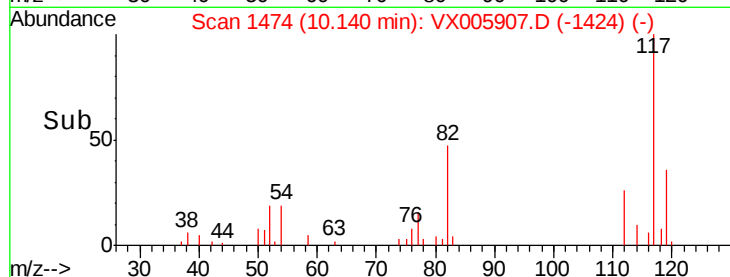
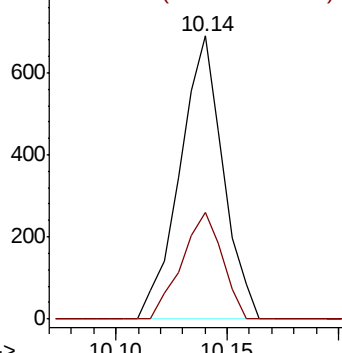
#65
Chlorobenzene
Concen: 0.316 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005907.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_X
ClientSampled :
S36-0148

Tot Ion:112 Resp: 929
Ion Ratio Lower Upper
112 100
114 37.6 25.8 38.6

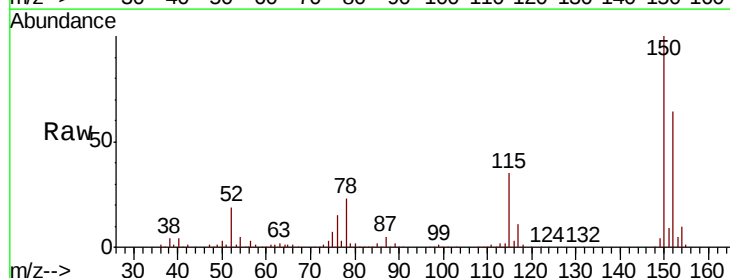


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

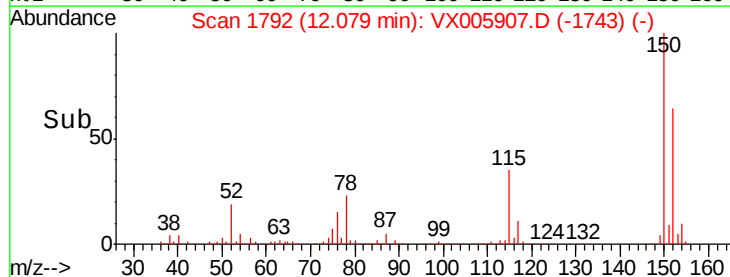
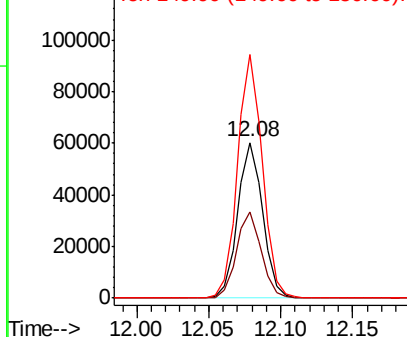


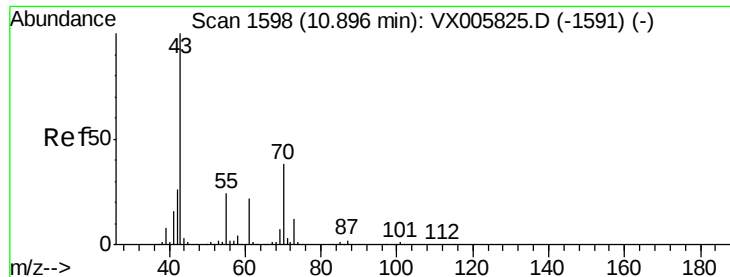
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005907.D
Acq: 12 Nov 2018 18:14

Tgt Ion:152 Resp: 72668
Ion Ratio Lower Upper
152 100
115 55.1 39.4 118.1
150 155.8 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





#74

N-amvl acetate

Concen: 1.269 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.24 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

S36-0148

Tot Ion: 43 Resp: 44

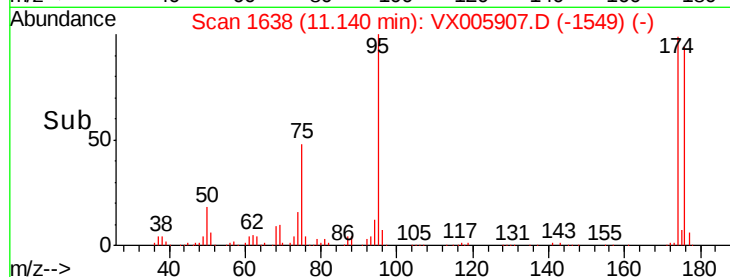
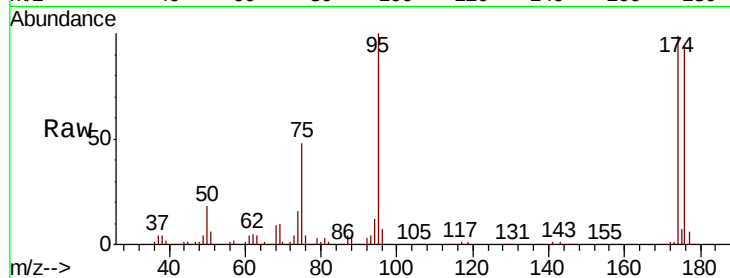
Ion Ratio Lower Upper

43 100

70 1284.1 31.6 47.4#

55 402.3 19.7 29.5#

61 6934.1 18.3 27.5#

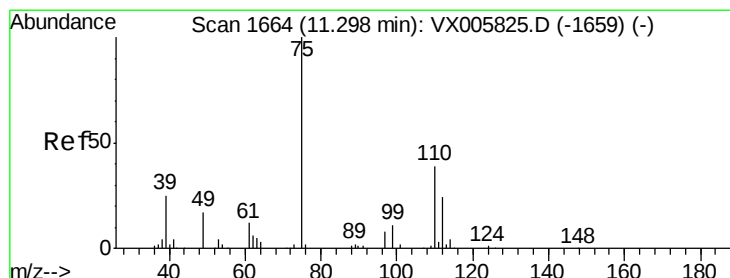
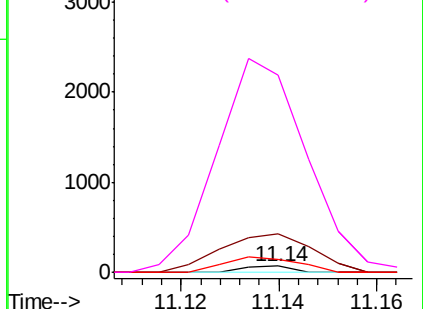


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.454 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005907.D

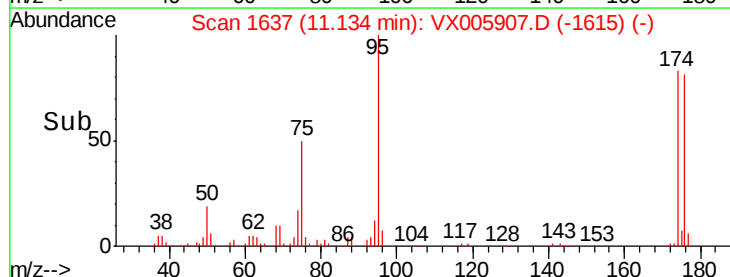
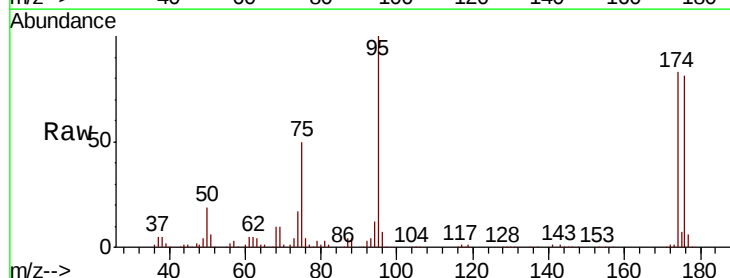
Acq: 12 Nov 2018 18:14

Tgt Ion: 75 Resp: 33224

Ion Ratio Lower Upper

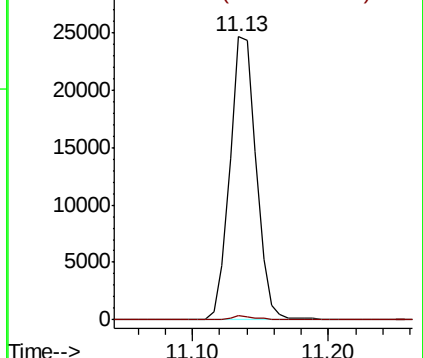
75 100

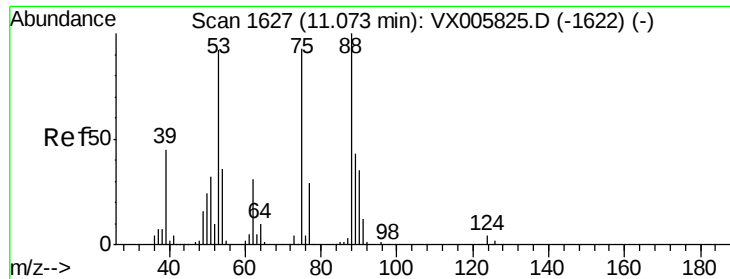
77 1.2 20.5 61.6#



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: 71.563 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

S36-0148

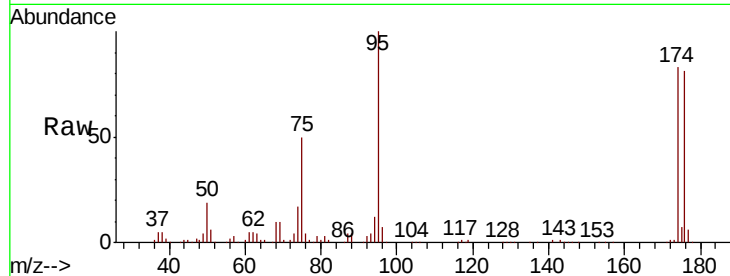
Tot Ion: 75 Resp: 33224

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

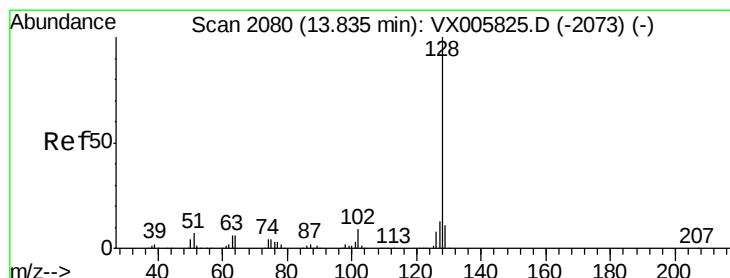
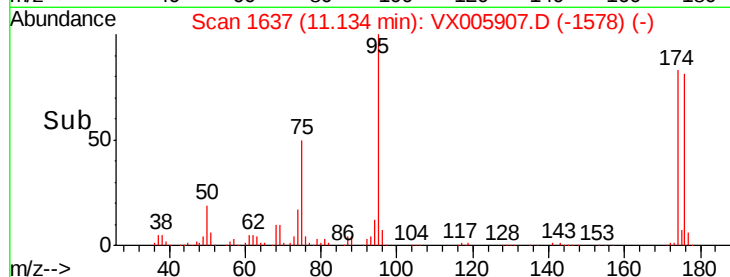
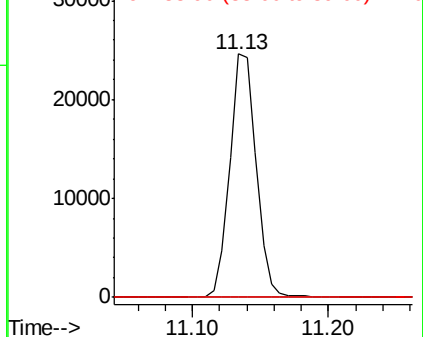
89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.198 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005907.D

Acq: 12 Nov 2018 18:14

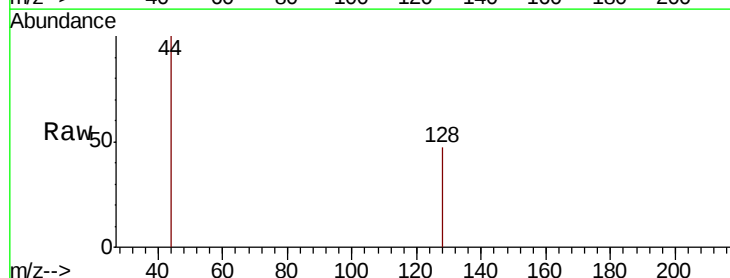
Tgt Ion: 128 Resp: 108

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

