

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008947.D
 Acq On : 13 Apr 2019 21:12
 Operator : JC/SP
 Sample : K2385-13 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:17:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113492	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	124532	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	
35) Dibromofluoromethane	5.50	113	91908	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
50) Toluene-d8	8.71	98	386362	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.13	95	128727	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

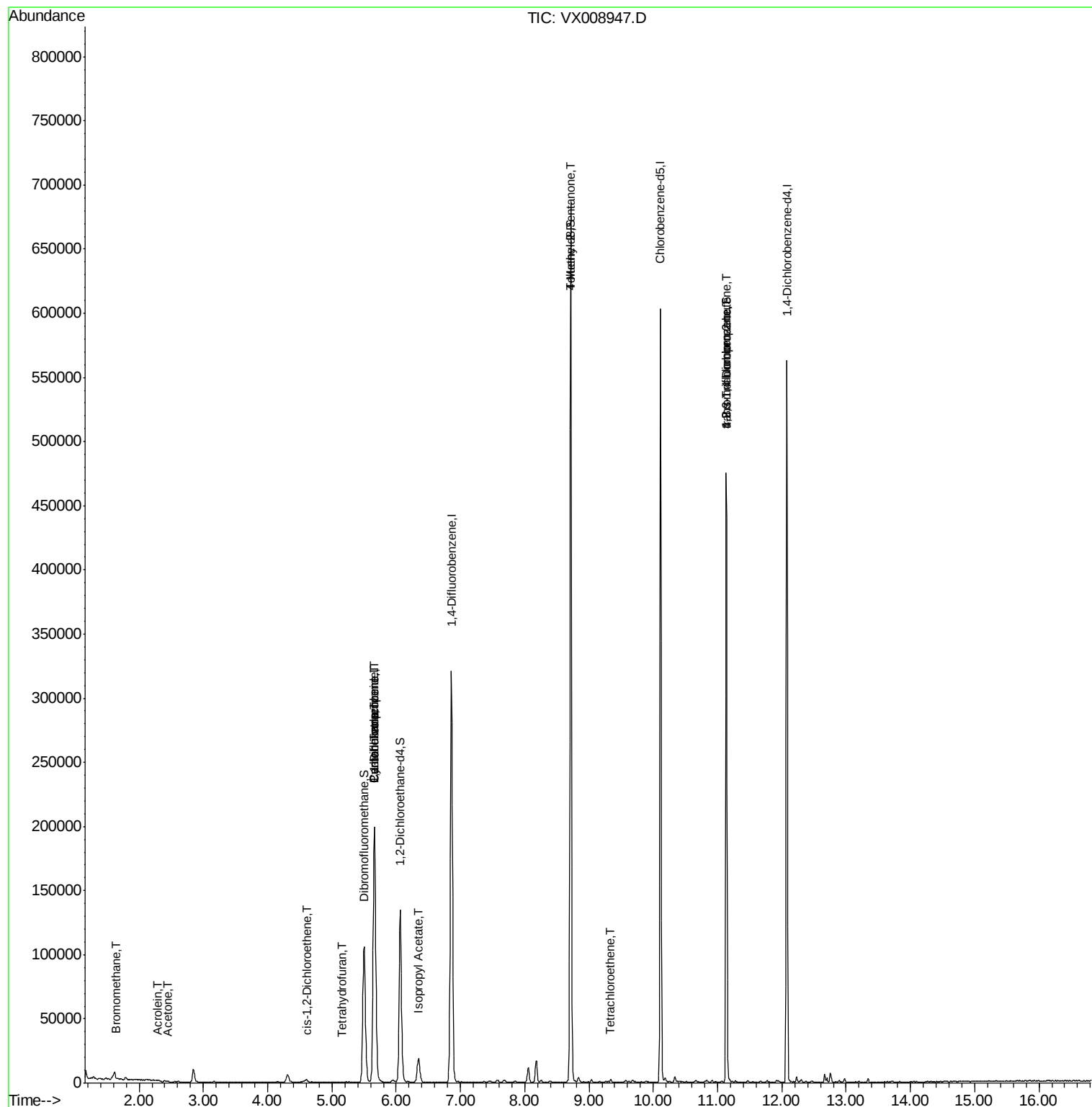
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	199	Below Cal	#	68
5) Bromomethane	1.64	94	104	1.952	ug/l	91
6) Chloroethane	1.73	64	22	Below Cal	#	43
13) Acrolein	2.28	56	131	0.393	ug/l #	11
16) Acetone	2.44	43	848	0.513	ug/l #	75
17) Carbon Disulfide	2.57	76	321	Below Cal	#	43
27) cis-1,2-Dichloroethene	4.60	96	1027	0.363	ug/l	89
28) Bromochloromethane	5.27	49	38	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	542	0.312	ug/l #	46
31) Cyclohexane	5.67	56	4410	0.889	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15485	4.568	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18176	6.479	ug/l #	18
43) Isopropyl Acetate	6.34	43	5109	0.721	ug/l #	62
51) 4-Methyl-2-Pentanone	8.71	43	2151	0.471	ug/l #	1
64) Tetrachloroethene	9.34	164	435	0.218	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	65053	20.865	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65053	57.517	ug/l #	9

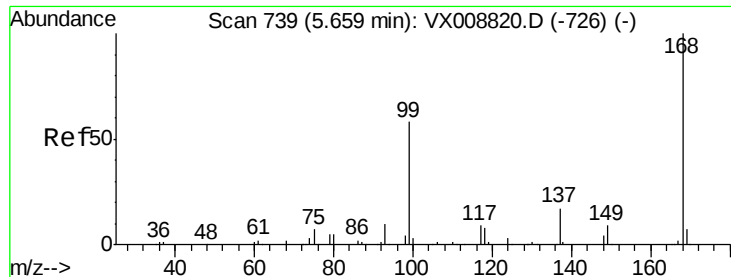
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 04 04:47:41 2019
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: VX008947.D

Acq: 13 Apr 2019 21:12

Instrument :

MSVOA_X

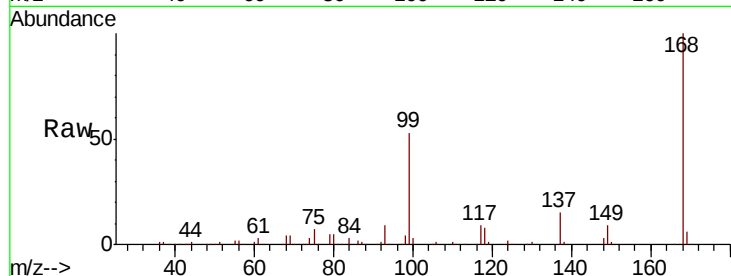
ClientSampleId :

Tot Ion:168 Resp: 196948

Ion Ratio Lower Upper

168 100

99 53.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

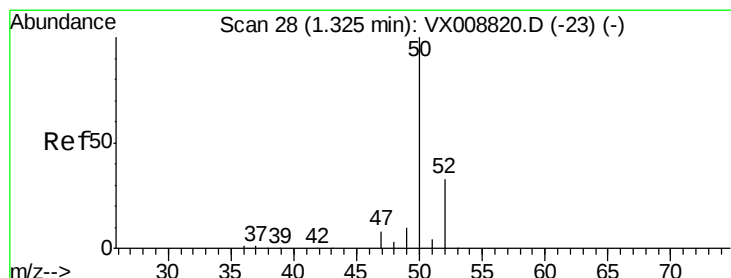
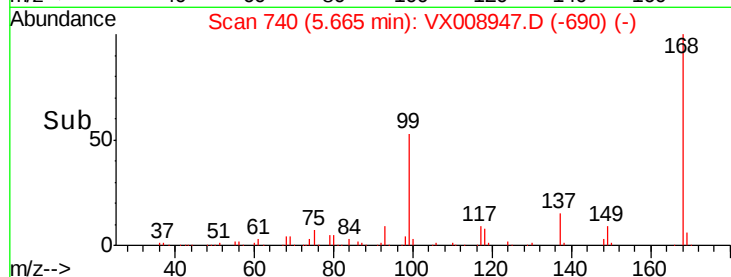
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008947.D

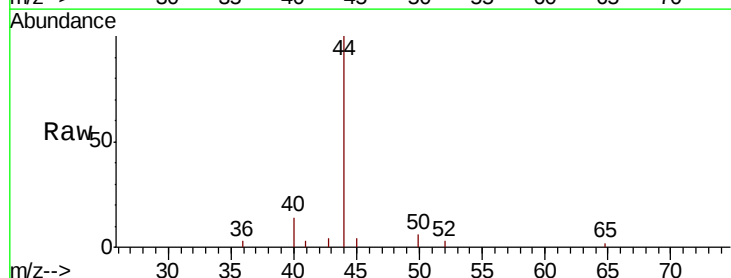
Acq: 13 Apr 2019 21:12

Tgt Ion: 50 Resp: 199

Ion Ratio Lower Upper

50 100

52 50.4 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

150

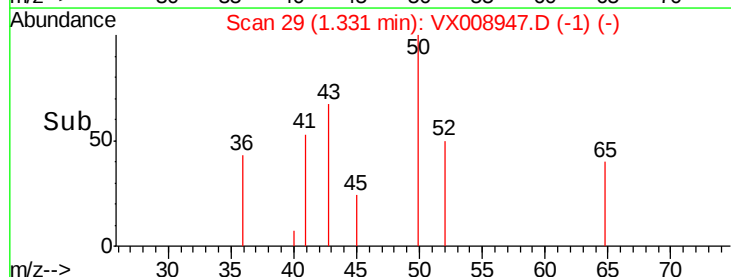
100

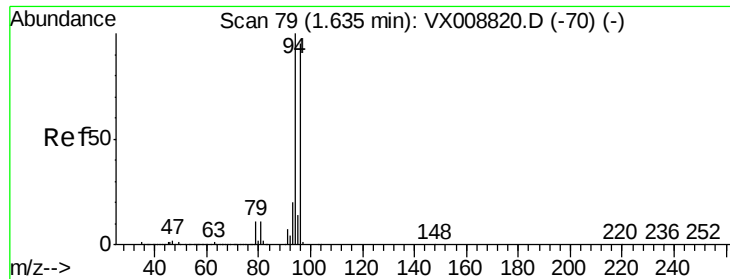
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 1.952 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008947.D

Acq: 13 Apr 2019 21:12

Instrument :

MSVOA_X

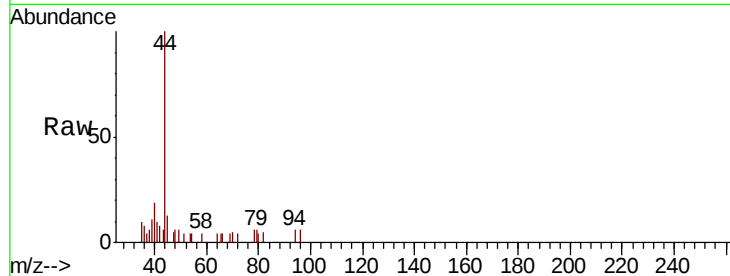
ClientSampleId :

Tot Ion: 94 Resp: 104

Ion Ratio Lower Upper

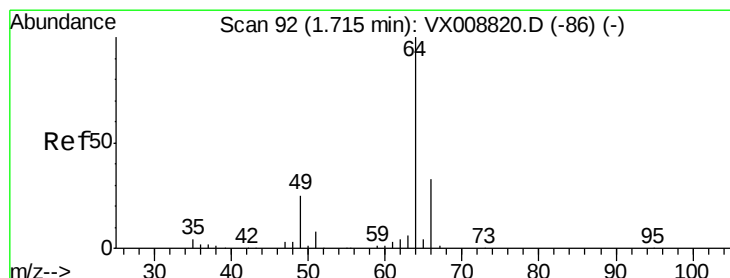
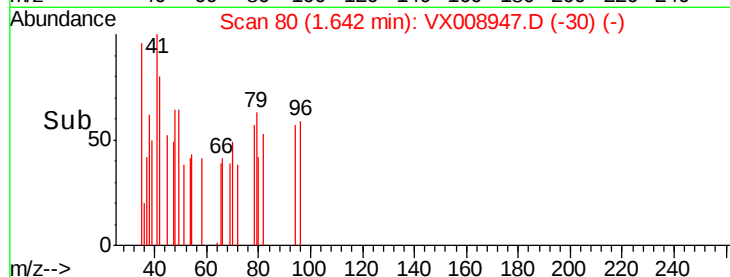
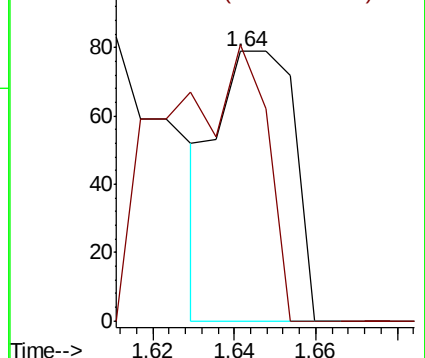
94 100

96 102.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008947.D

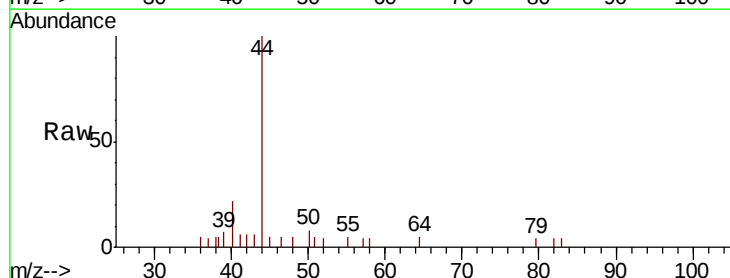
Acq: 13 Apr 2019 21:12

Tgt Ion: 64 Resp: 22

Ion Ratio Lower Upper

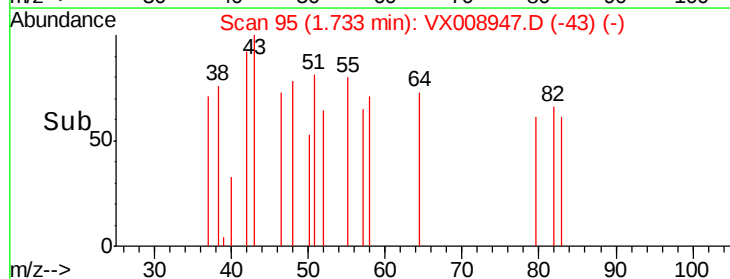
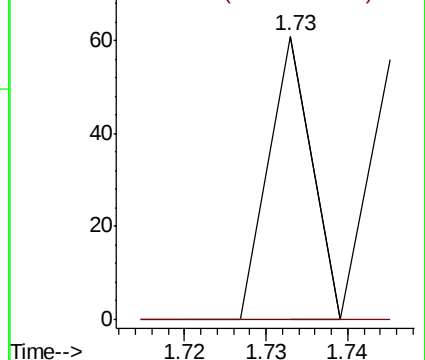
64 100

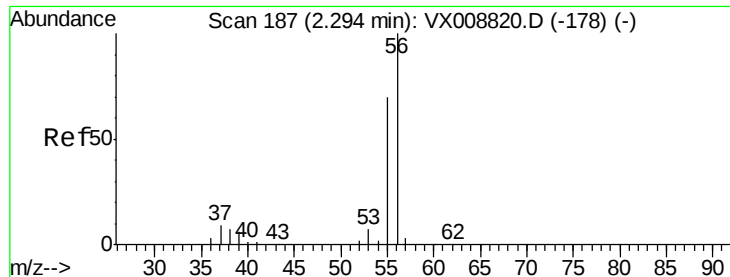
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 0.393 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008947.D

Acq: 13 Apr 2019 21:12

Instrument :

MSVOA_X

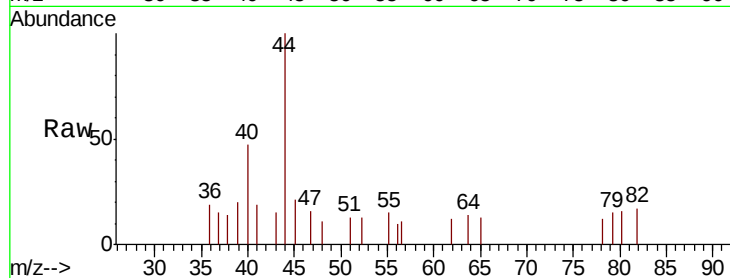
ClientSampleId :

Tot Ion: 56 Resp: 131

Ion Ratio Lower Upper

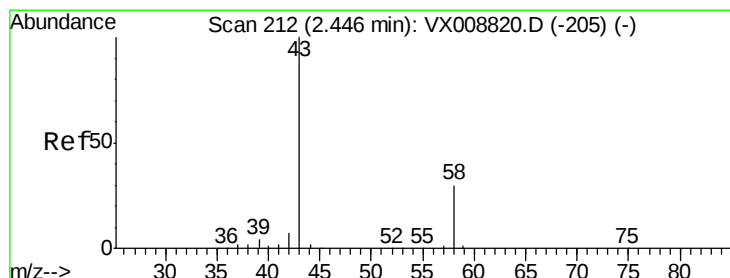
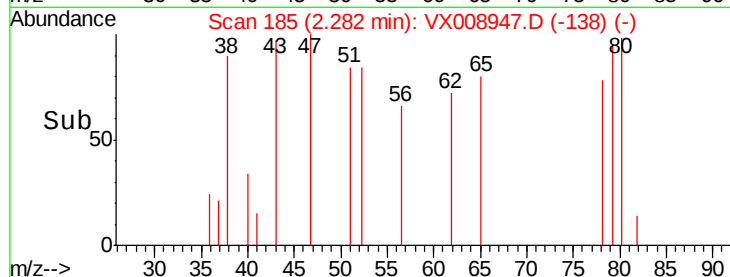
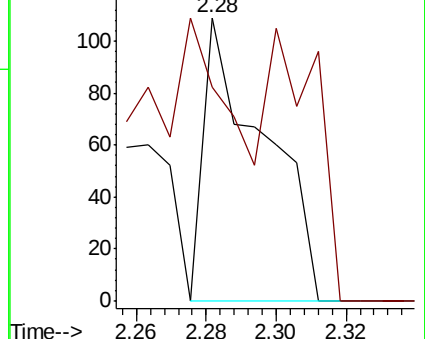
56 100

55 147.3 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.513 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008947.D

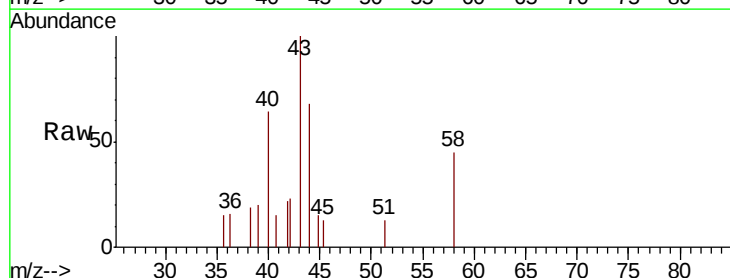
Acq: 13 Apr 2019 21:12

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

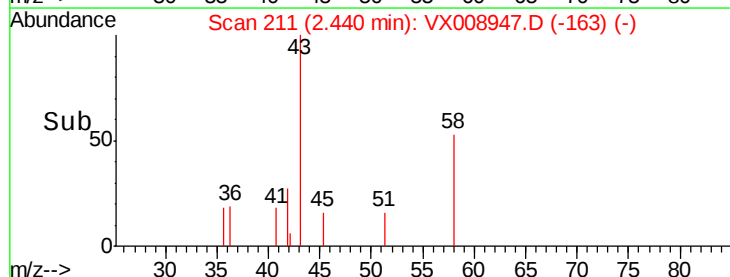
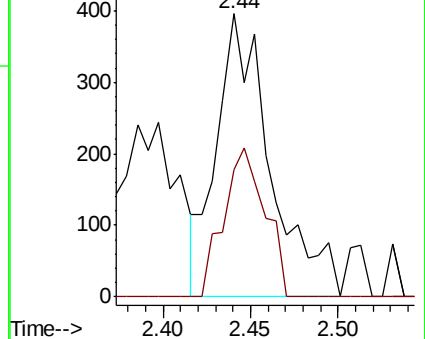
43 100

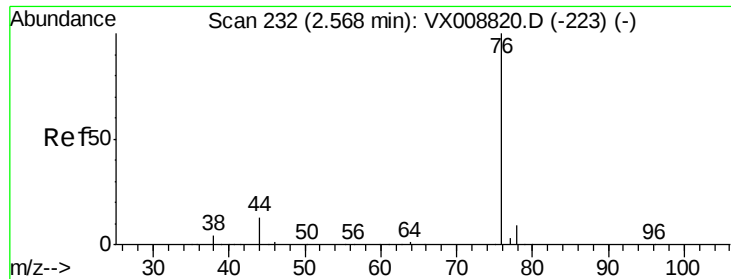
58 44.7 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

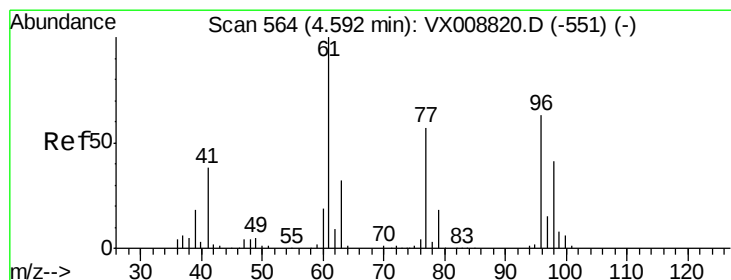
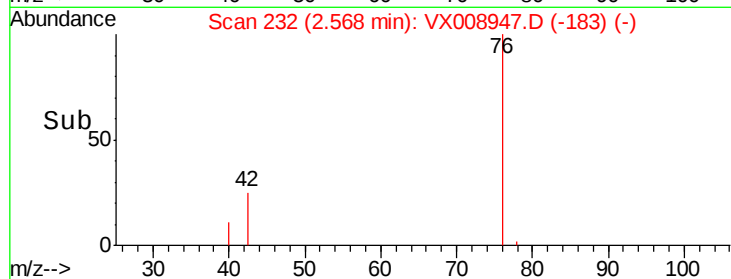
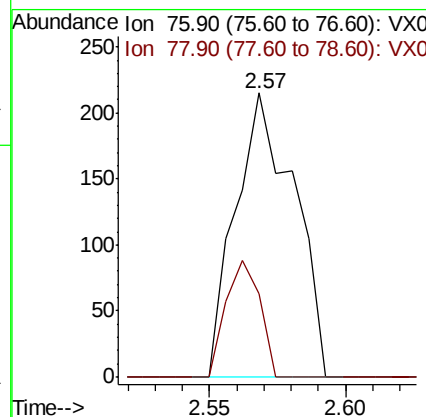
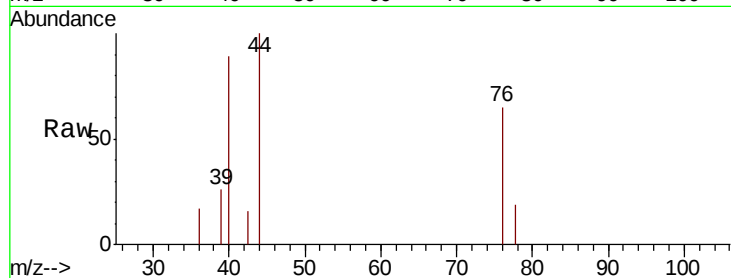




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

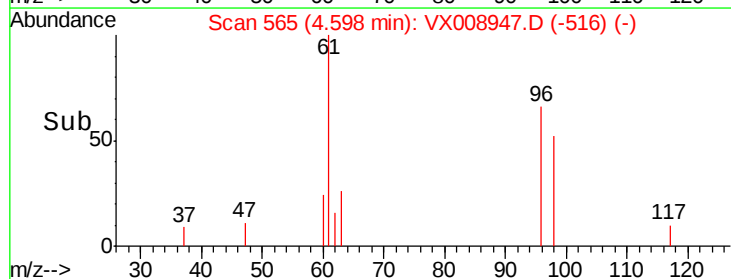
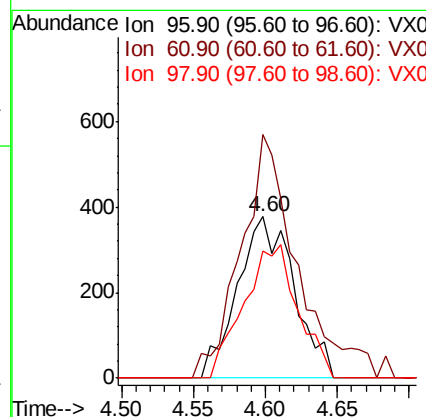
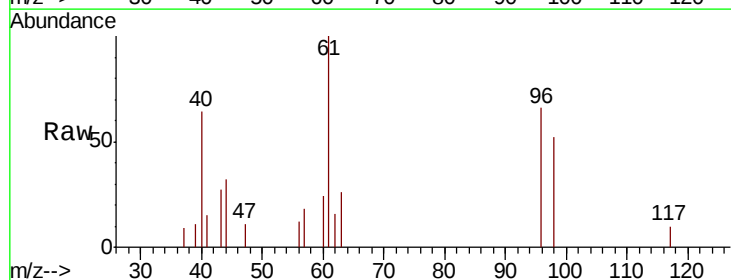
Instrument :
MSVOA_X
ClientSampled :

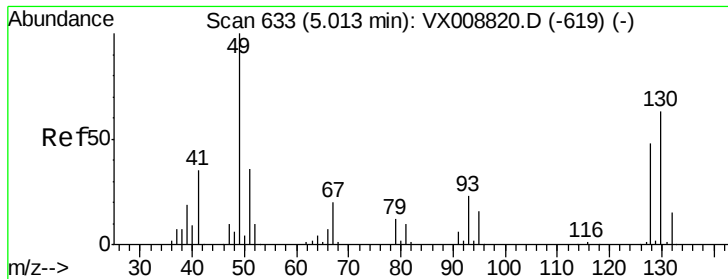
Tot Ion: 76 Resp: 321
Ion Ratio Lower Upper
76 100
78 29.3 7.1 10.7#



#27
cis-1,2-Dichloroethene
Concen: 0.363 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Tgt Ion: 96 Resp: 1027
Ion Ratio Lower Upper
96 100
61 152.3 0.0 327.6
98 78.9 0.0 128.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.27 min Scan# 675

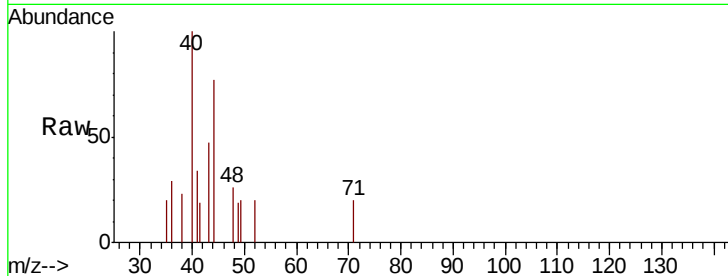
Delta R.T. 0.25 min

Lab File: VX008947.D

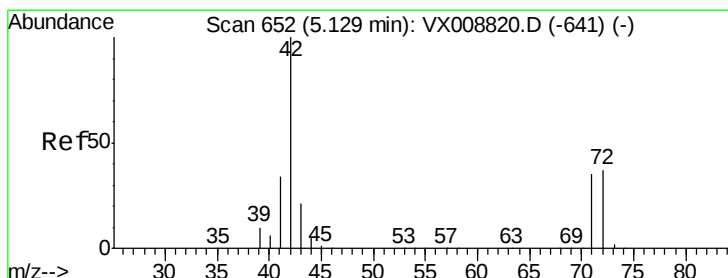
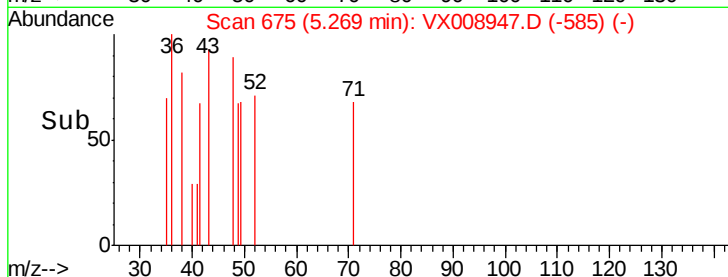
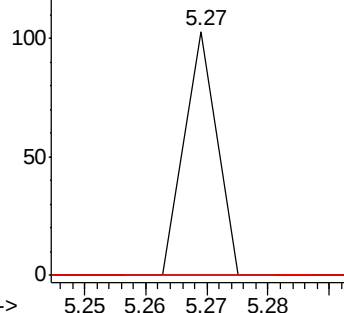
Acq: 13 Apr 2019 21:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 38
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.312 ug/l

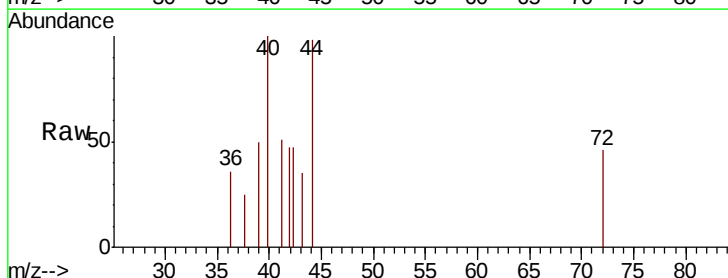
RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

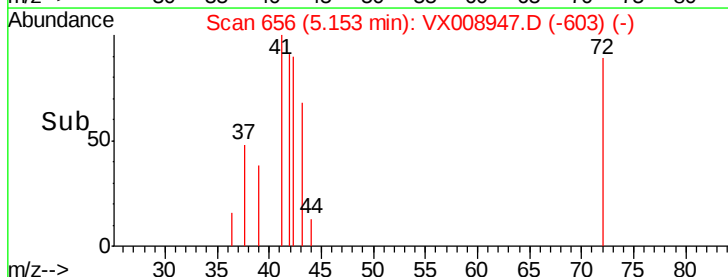
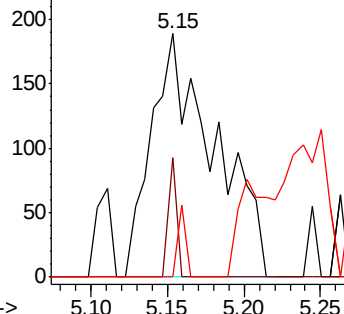
Lab File: VX008947.D

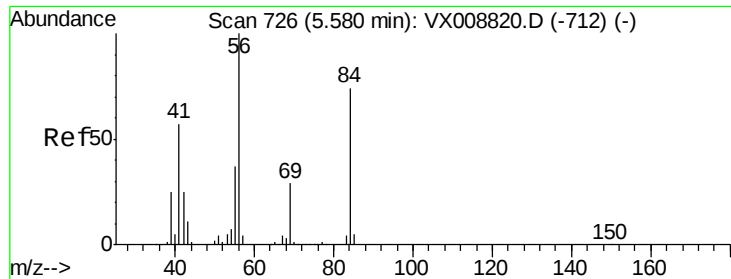
Acq: 13 Apr 2019 21:12

Tgt Ion: 42 Resp: 542
Ion Ratio Lower Upper
42 100
72 6.3 30.5 45.7#
71 3.7 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

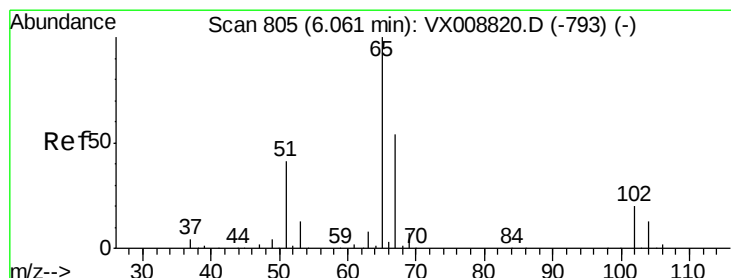
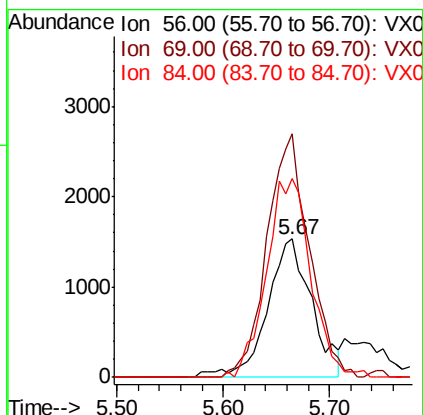
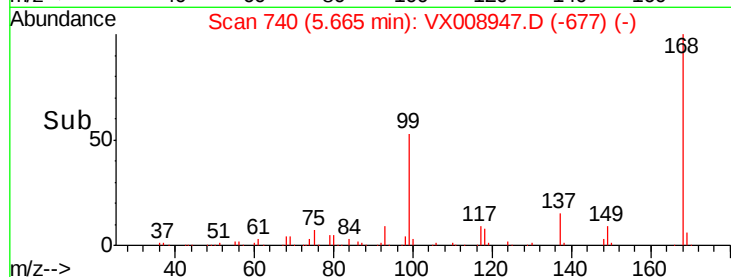
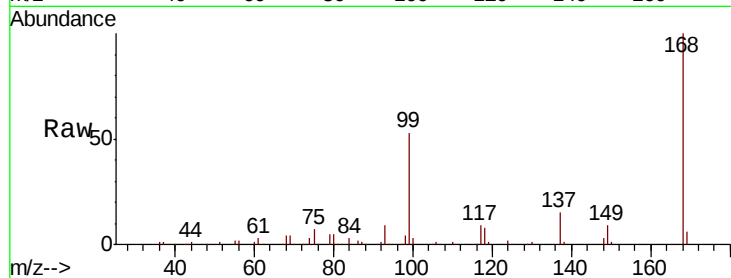




#31
Cyclohexane
Concen: 0.889 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

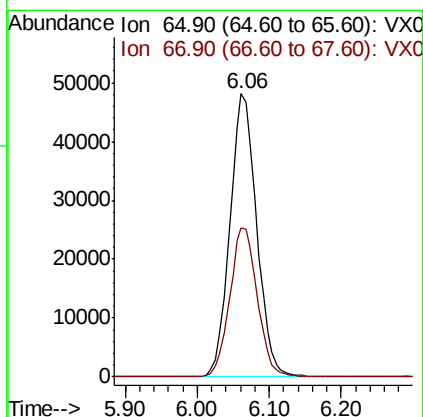
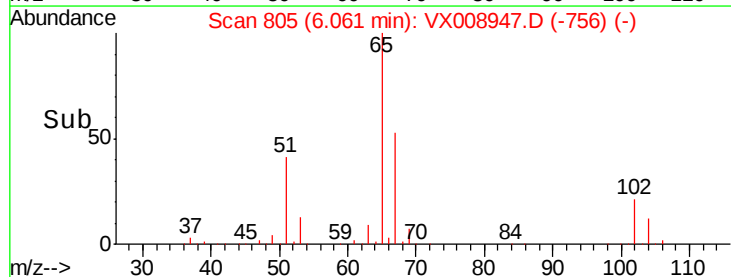
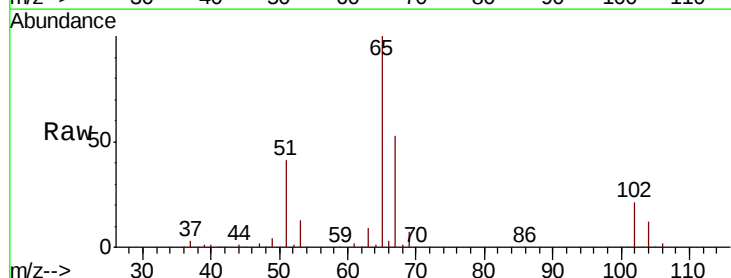
Instrument :
MSVOA_X
ClientSampled :

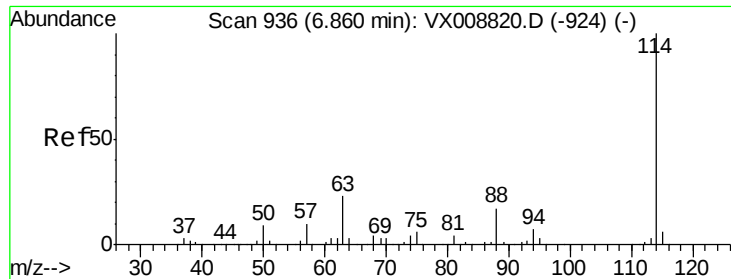
Tot Ion: 56 Resp: 4410
Ion Ratio Lower Upper
56 100
69 175.9 22.6 33.8#
84 144.1 59.3 88.9#



#33
1,2-Dichloroethane-d4
Concen: 43.352 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Tgt Ion: 65 Resp: 124532
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2

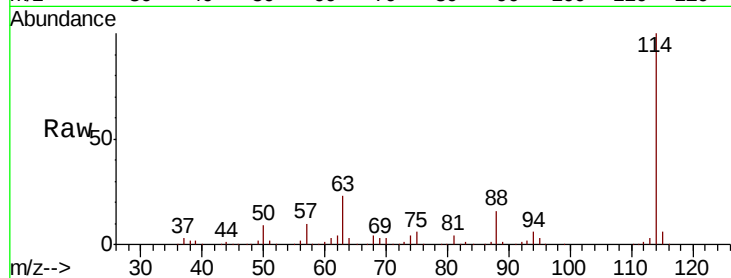




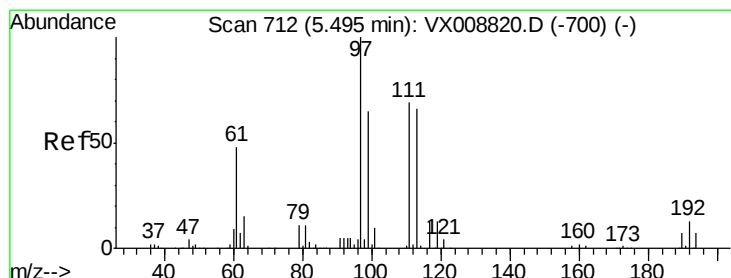
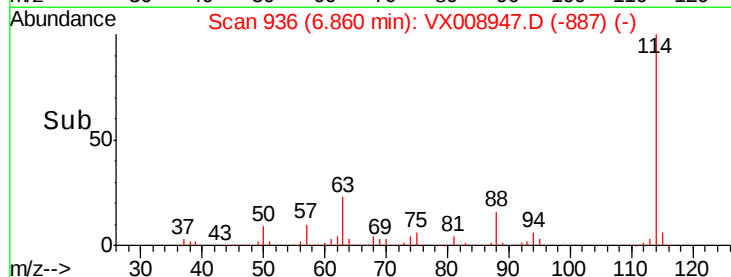
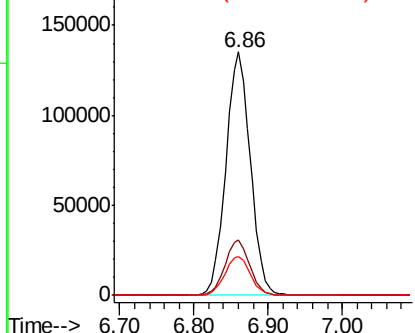
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008947.D
 Acq: 13 Apr 2019 21:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 310093
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 15.9 0.0 34.0

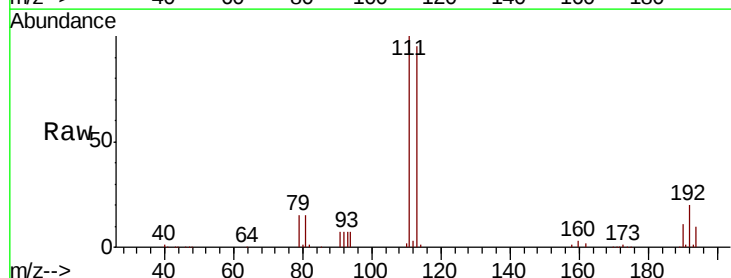


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

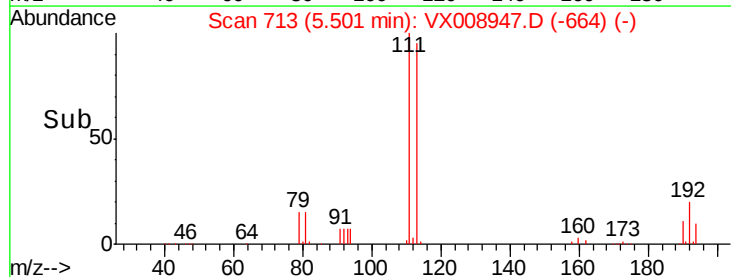
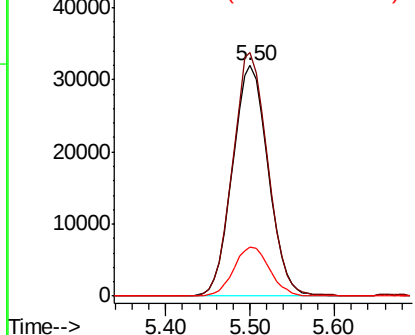


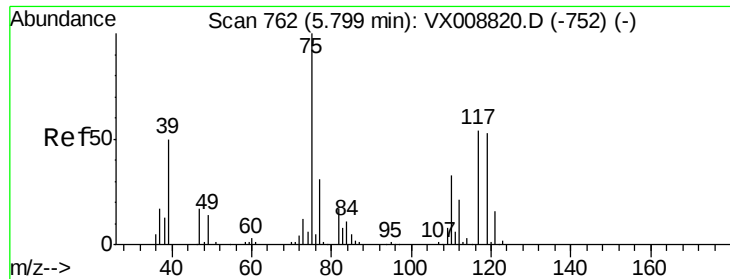
#35
 Dibromofluoromethane
 Concen: 46.357 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008947.D
 Acq: 13 Apr 2019 21:12

Tgt Ion:113 Resp: 91908
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 21.3 16.1 24.1



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

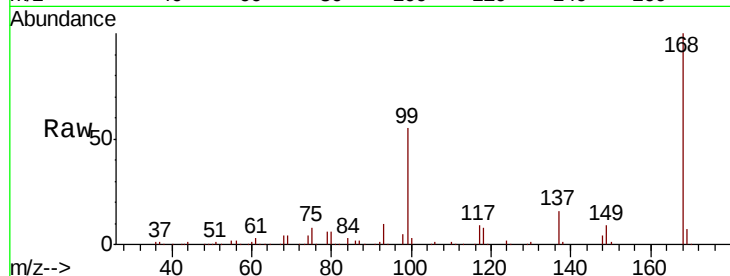




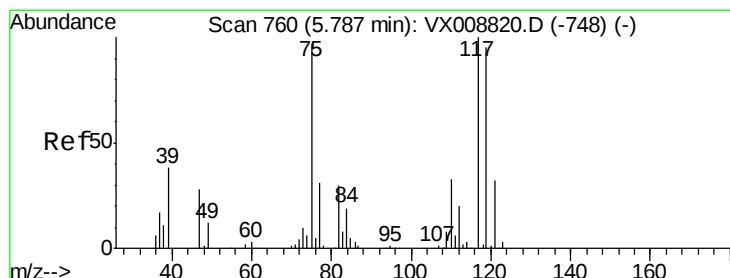
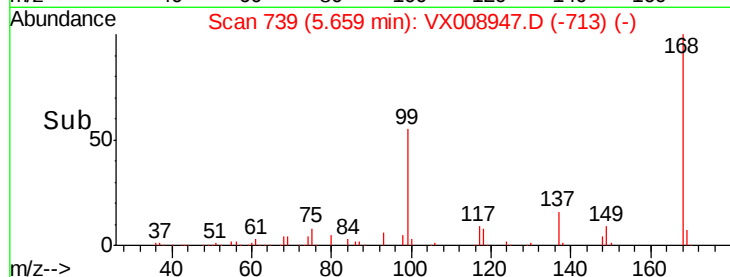
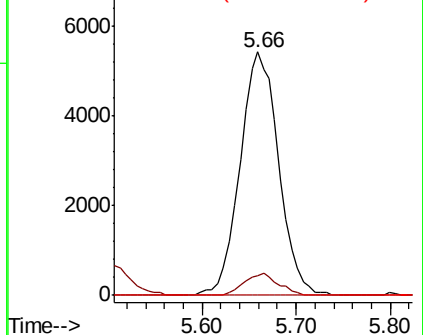
#36
 1,1-Dichloropropene
 Concen: 4.568 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008947.D
 Acq: 13 Apr 2019 21:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	15485
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.4	49.2#
77	0.0	24.7	37.1#

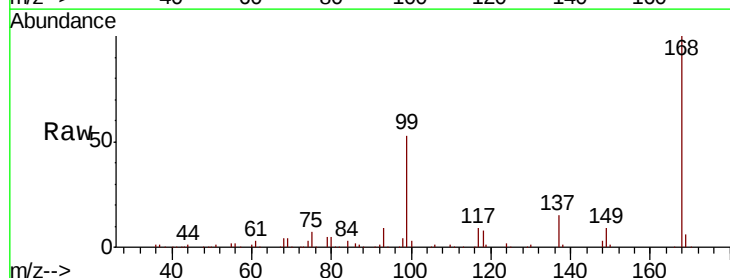


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

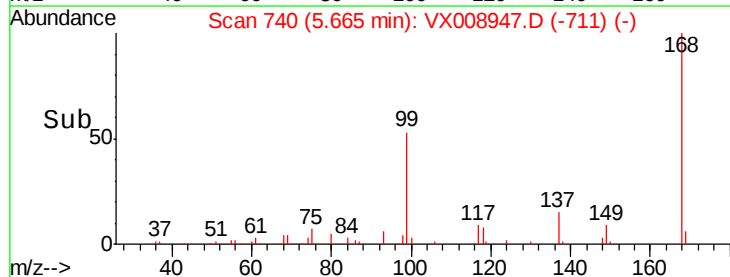
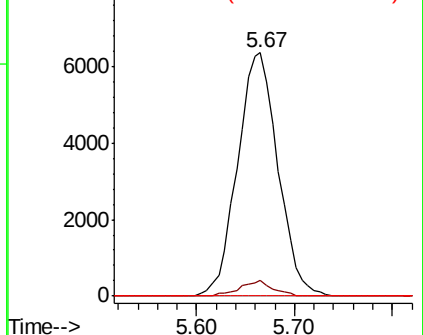


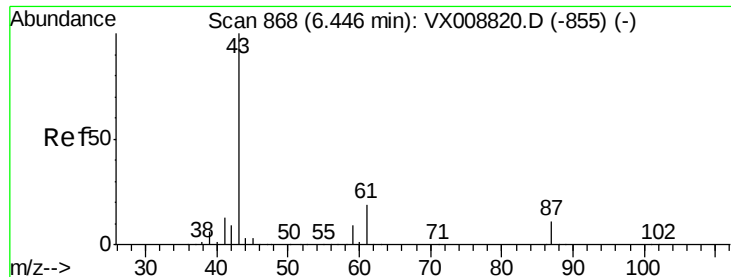
#38
 Carbon Tetrachloride
 Concen: 6.479 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008947.D
 Acq: 13 Apr 2019 21:12

Tgt Ion	117	Resp	18176
Ion Ratio	Lower	Upper	
117	100		
119	6.7	75.0	112.6#
121	0.0	24.3	36.5#



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





#43

Isopropyl Acetate

Concen: 0.721 ug/l

RT: 6.34 min Scan# 851

Delta R.T. -0.10 min

Lab File: VX008947.D

Acq: 13 Apr 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

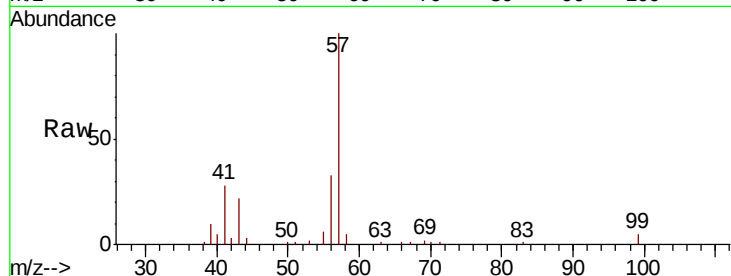
Tot Ion: 43 Resp: 5109

Ion Ratio Lower Upper

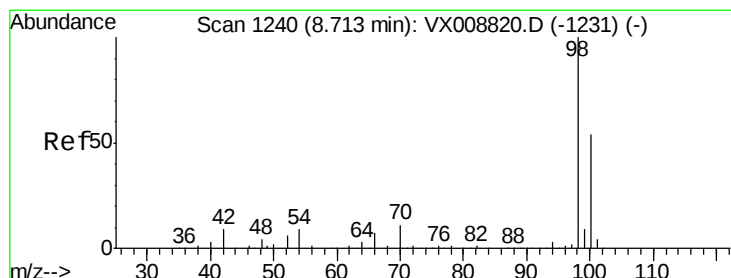
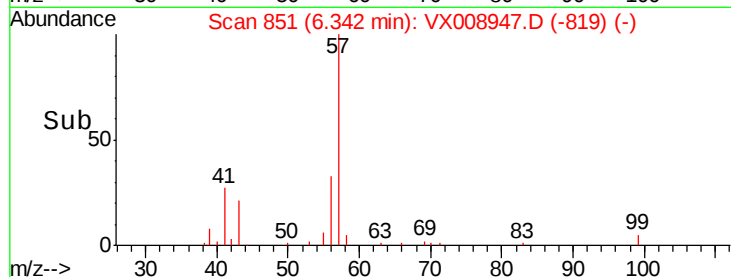
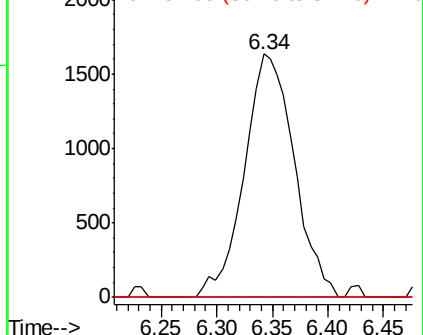
43 100

61 0.0 15.3 22.9#

87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.942 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008947.D

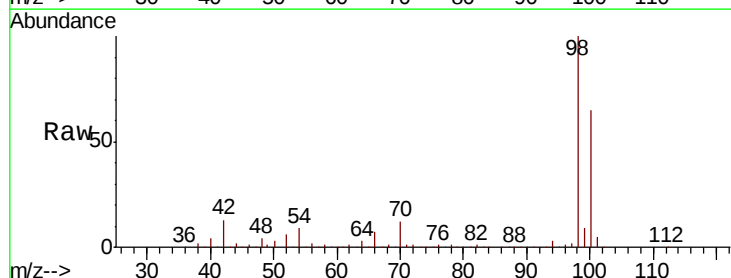
Acq: 13 Apr 2019 21:12

Tgt Ion: 98 Resp: 386362

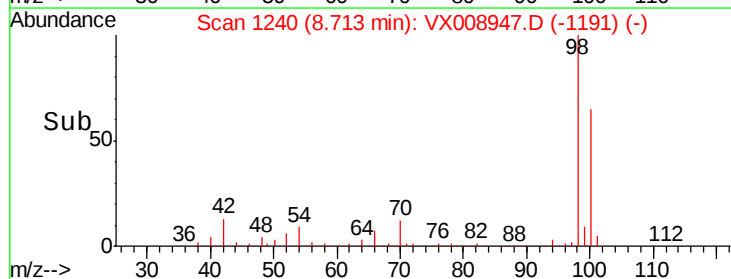
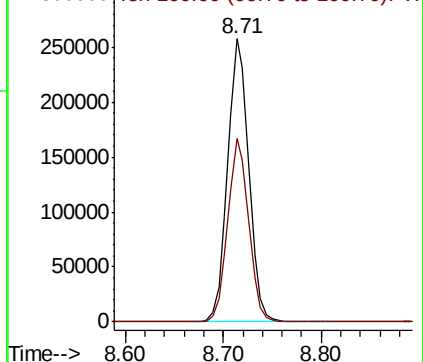
Ion Ratio Lower Upper

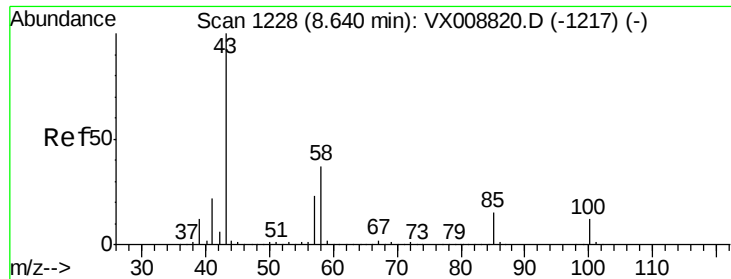
98 100

100 64.3 51.4 77.0



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

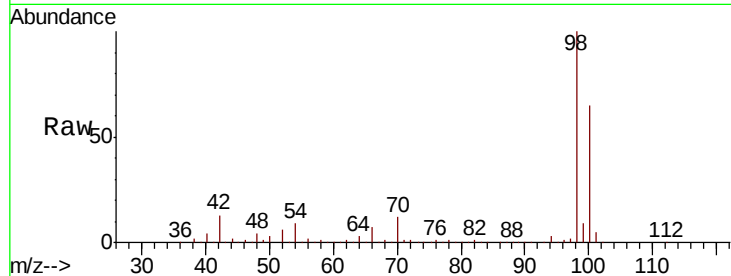




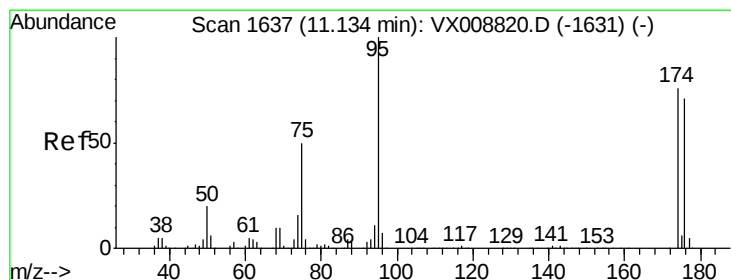
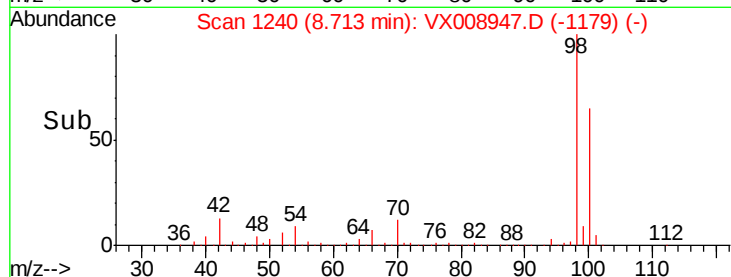
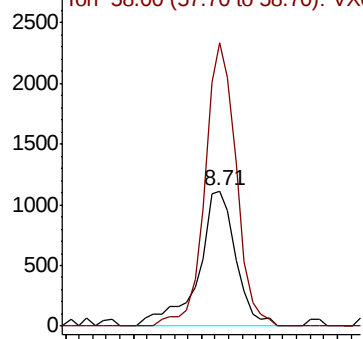
#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
58 175.1 29.5 44.3#

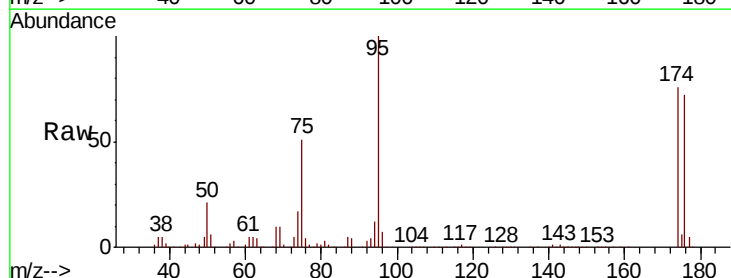


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

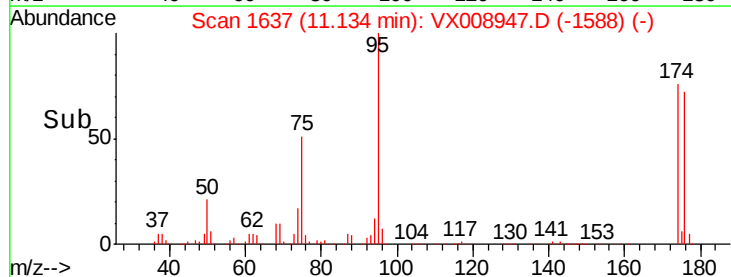
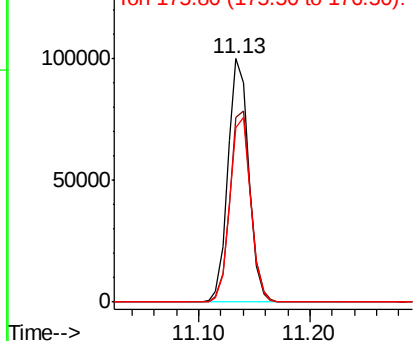


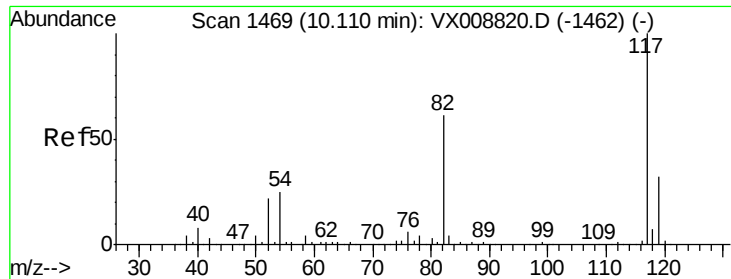
#62
4-Bromofluorobenzene
Concen: 45.983 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Tgt Ion: 95 Resp: 128727
Ion Ratio Lower Upper
95 100
174 79.0 0.0 151.8
176 76.5 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

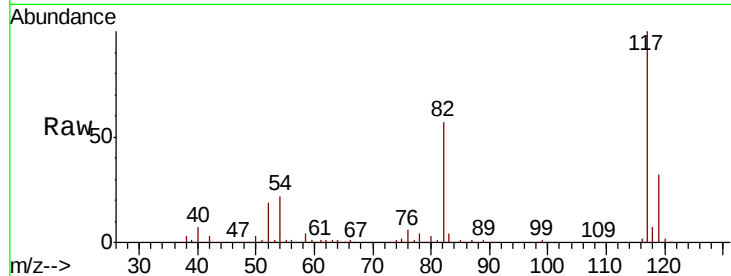




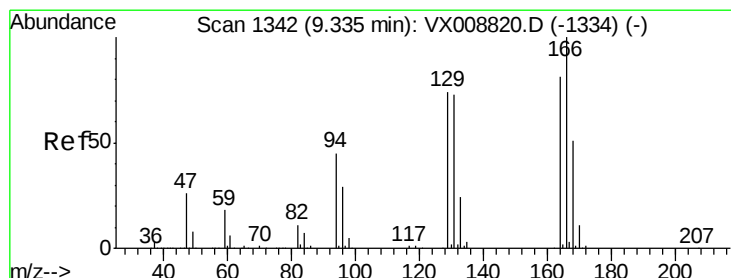
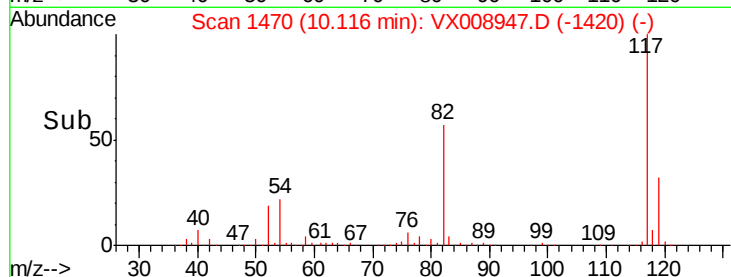
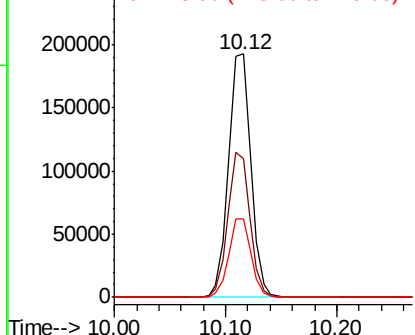
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 269245
Ion Ratio Lower Upper
117 100
82 56.9 49.6 74.4
119 32.4 25.0 37.4



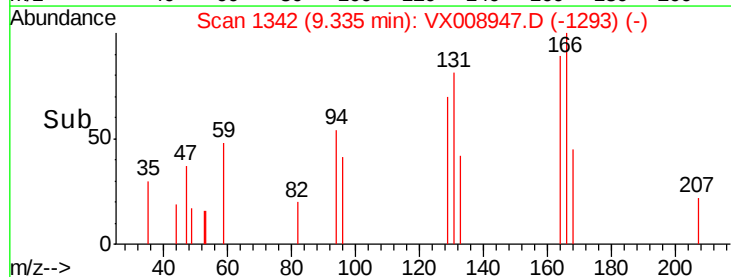
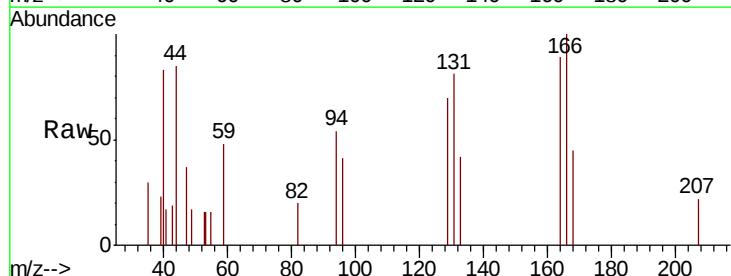
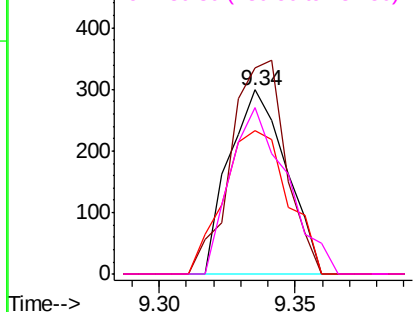
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

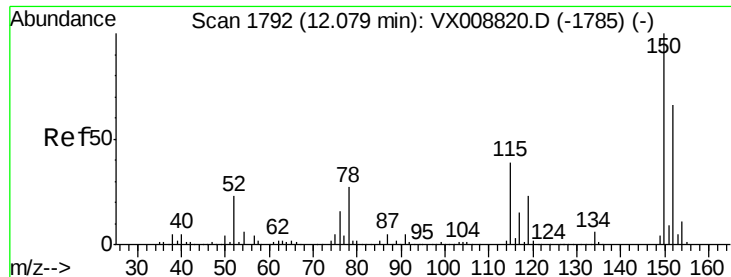


#64
Tetrachloroethene
Concen: 0.218 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Tgt Ion:164 Resp: 435
Ion Ratio Lower Upper
164 100
166 112.0 101.0 151.6
129 78.3 75.8 113.8
131 90.3 71.8 107.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



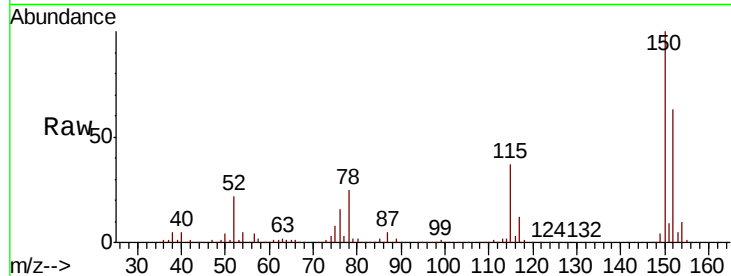


#72

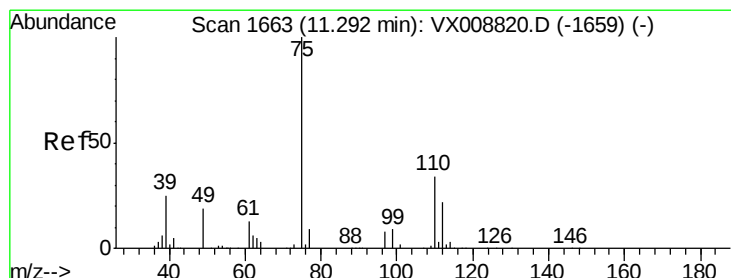
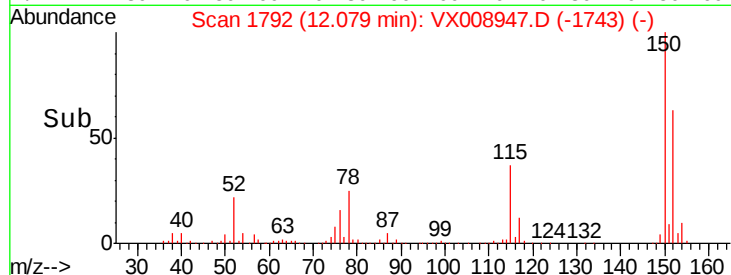
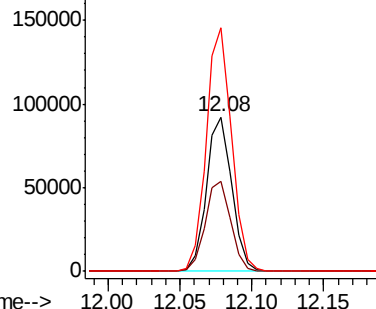
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 113492
Ion Ratio Lower Upper
152 100
115 59.1 43.5 130.5
150 157.7 0.0 348.8



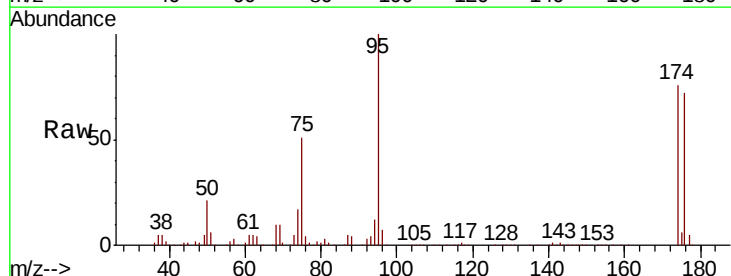
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



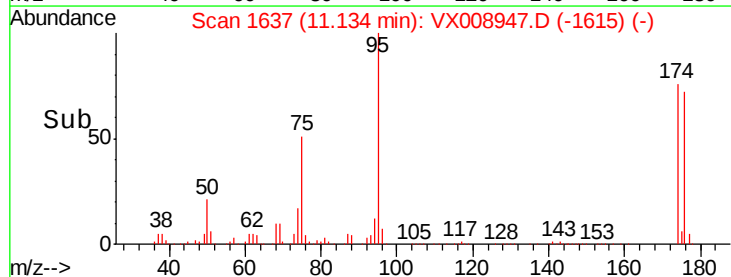
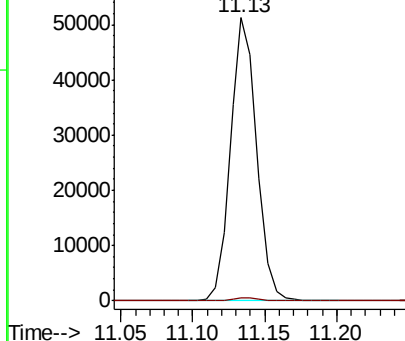
#76

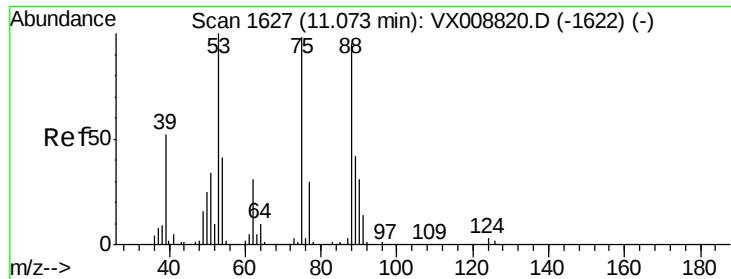
1,2,3-Trichloropropane
Concen: 20.865 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008947.D
Acq: 13 Apr 2019 21:12

Tgt Ion: 75 Resp: 65053
Ion Ratio Lower Upper
75 100
77 1.2 22.3 66.8#



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: 57.517 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008947.D

Acq: 13 Apr 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

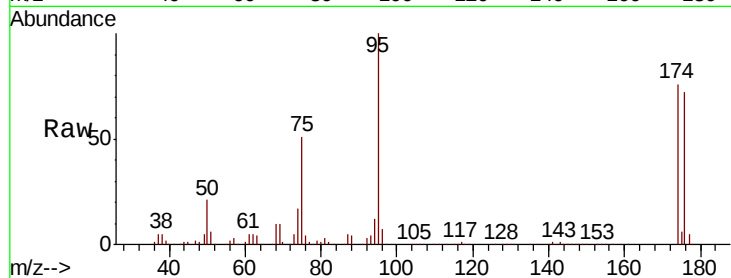
Tot Ion: 75 Resp: 65053

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

