

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041319\
 Data File : VX008944.D
 Acq On : 13 Apr 2019 20:02
 Operator : JC/SP
 Sample : K2385-11DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:17:04 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	5.66	168	194444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116223	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	125854	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	
35) Dibromofluoromethane	5.50	113	92747	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	8.71	98	385220	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.13	95	127541	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

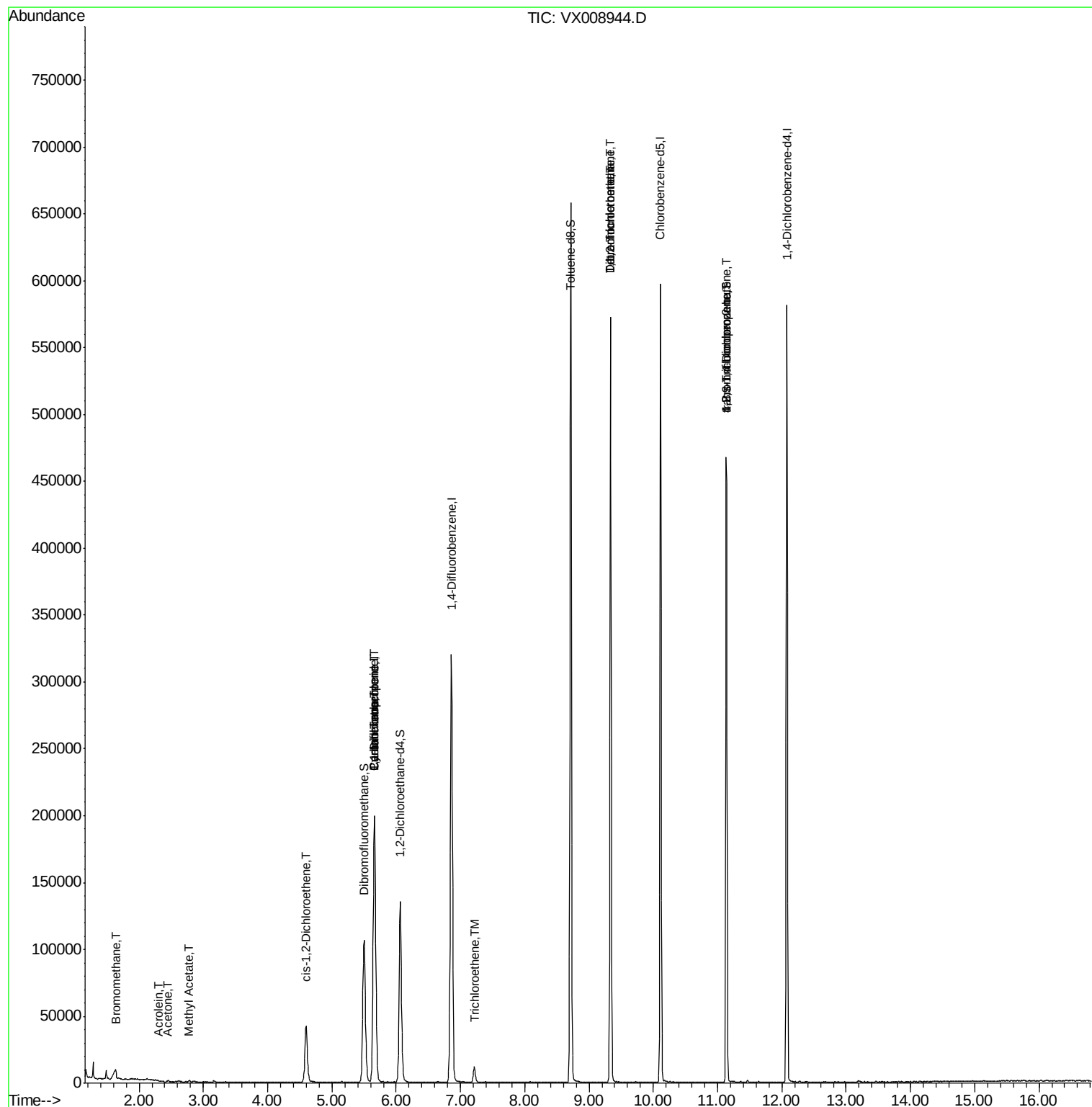
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	252	Below Cal	#	87
5) Bromomethane	1.64	94	181	2.002	ug/l #	80
6) Chloroethane	1.73	64	21	Below Cal	#	43
13) Acrolein	2.31	56	108	0.328	ug/l #	1
16) Acetone	2.44	43	908	0.556	ug/l	96
17) Carbon Disulfide	2.57	76	361	Below Cal	#	41
18) Methyl Acetate	2.78	43	1684	0.425	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	26285	9.402	ug/l	89
28) Bromochloromethane	5.05	49	22	Below Cal	#	22
31) Cyclohexane	5.66	56	4316	0.881	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14884	4.370	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18146	6.436	ug/l #	17
44) Trichloroethene	7.22	130	4506	1.907	ug/l	93
55) 1,1,2-Trichloroethane	9.33	97	1029	0.428	ug/l #	1
60) Dibromochloromethane	9.33	129	102932	45.486	ug/l #	11
64) Tetrachloroethene	9.33	164	110653	55.574	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	64390	20.168	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	64390	55.593	ug/l #	9

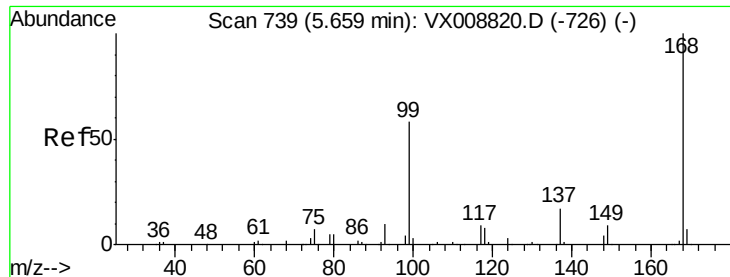
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008944.D

Acq: 13 Apr 2019 20:02

Instrument :

MSVOA_X

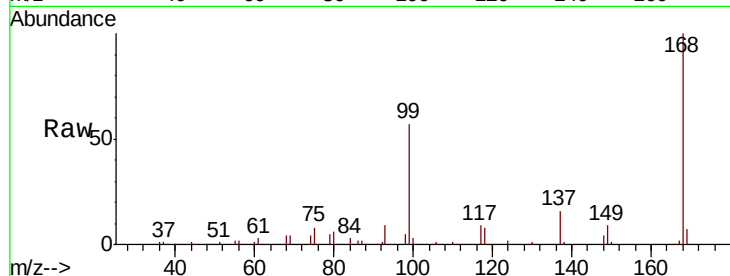
ClientSampleId :

Tot Ion:168 Resp: 194444

Ion Ratio Lower Upper

168 100

99 56.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

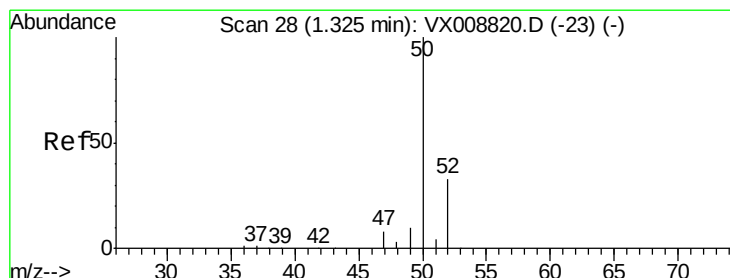
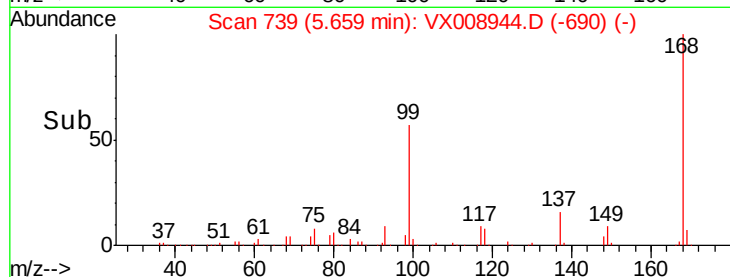
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008944.D

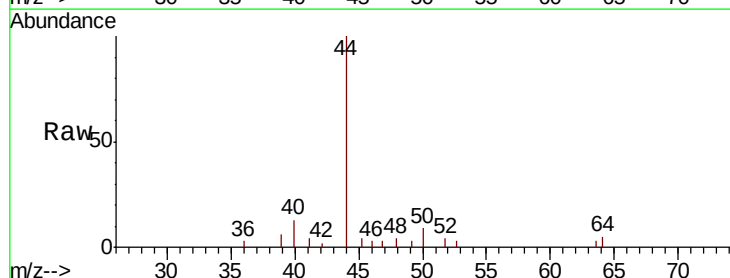
Acq: 13 Apr 2019 20:02

Tgt Ion: 50 Resp: 252

Ion Ratio Lower Upper

50 100

52 39.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

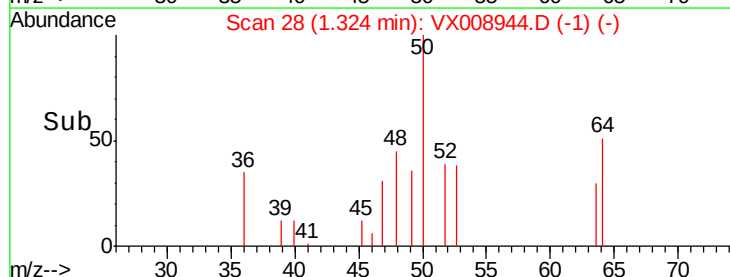
150

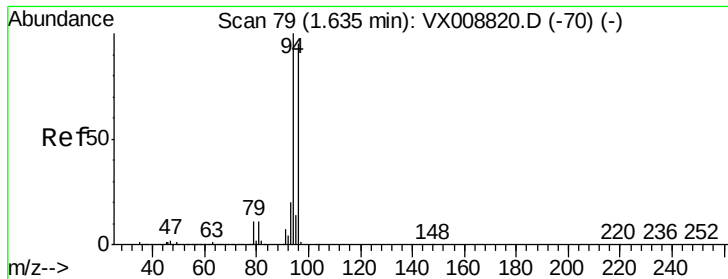
100

50

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 2.002 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008944.D

Acq: 13 Apr 2019 20:02

Instrument :

MSVOA_X

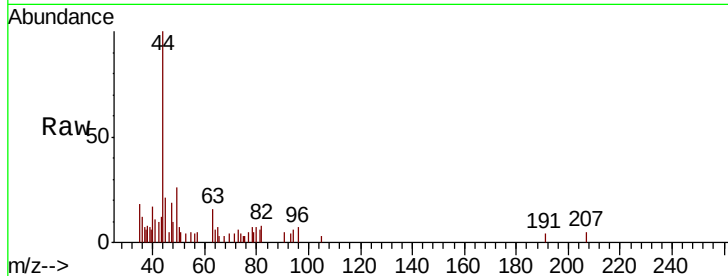
ClientSampleId :

Tot Ion: 94 Resp: 181

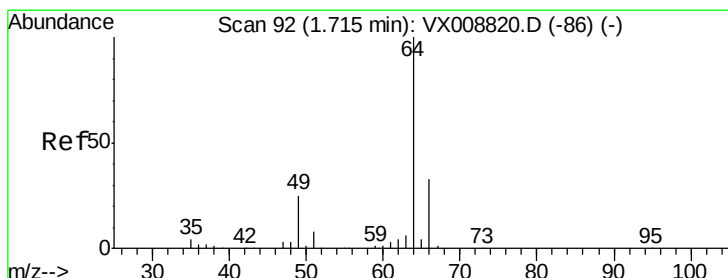
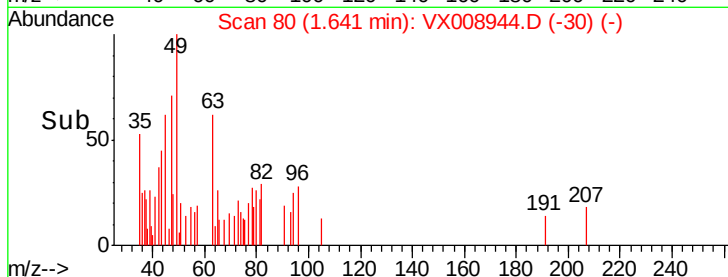
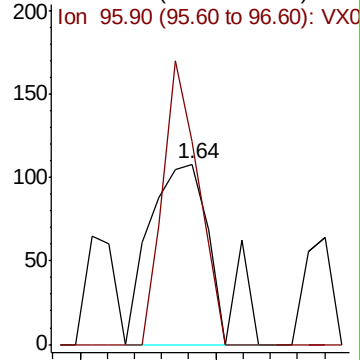
Ion Ratio Lower Upper

94 100

96 113.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008944.D

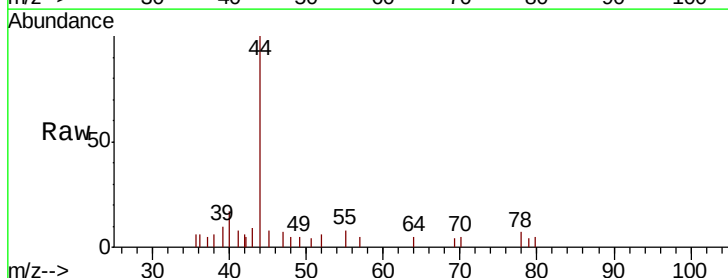
Acq: 13 Apr 2019 20:02

Tgt Ion: 64 Resp: 21

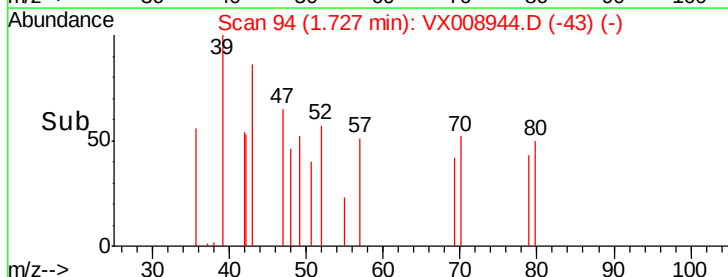
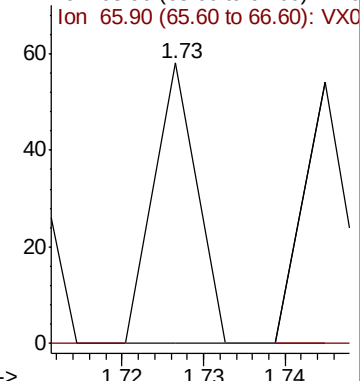
Ion Ratio Lower Upper

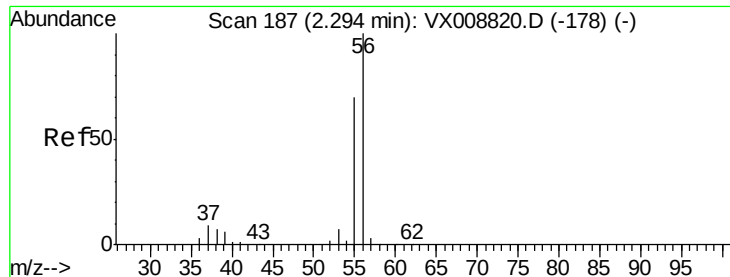
64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#13

Acrolein

Concen: 0.328 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008944.D

Acq: 13 Apr 2019 20:02

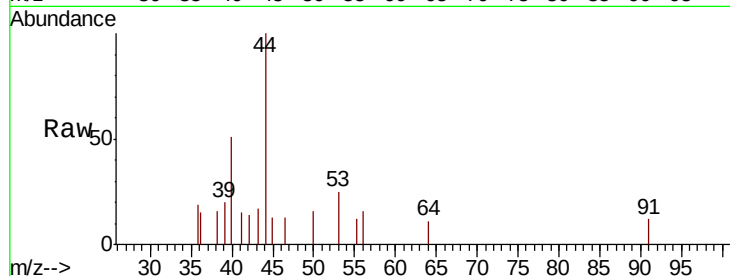
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 108

Ion Ratio Lower Upper

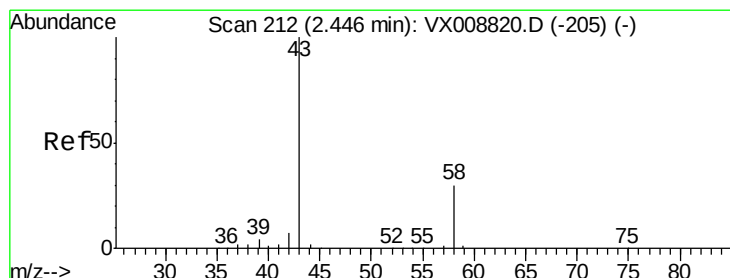
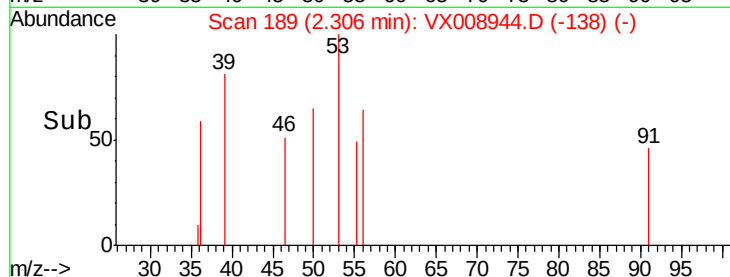
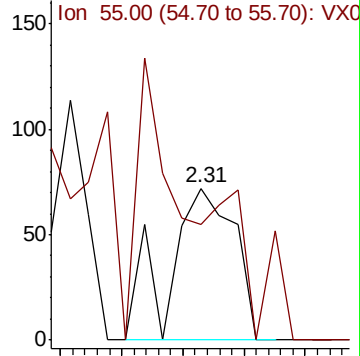
56 100

55 174.1 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: 0.556 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008944.D

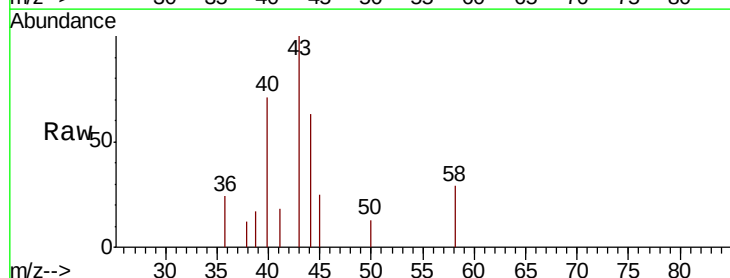
Acq: 13 Apr 2019 20:02

Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

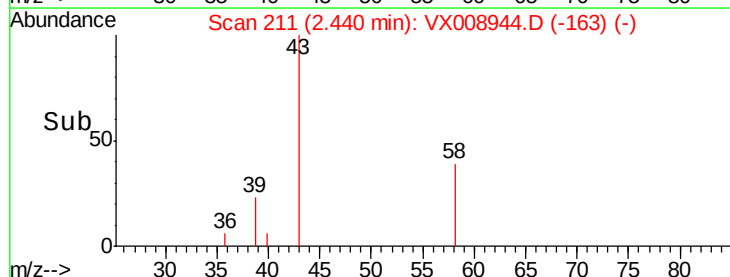
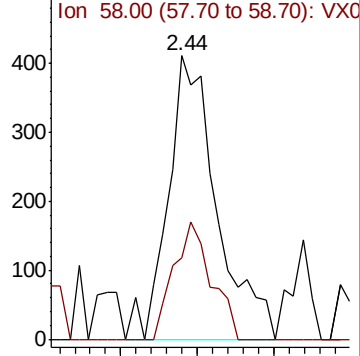
43 100

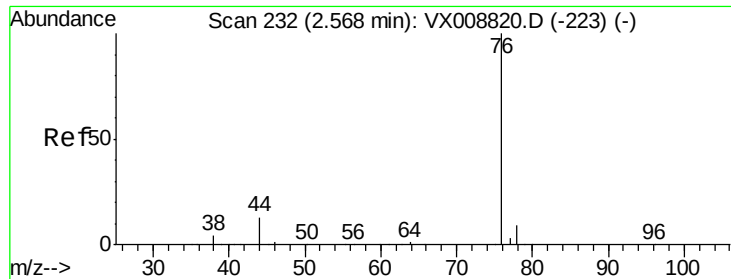
58 28.7 24.8 37.2



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: VX008944.D

Acq: 13 Apr 2019 20:02

Instrument :

MSVOA_X

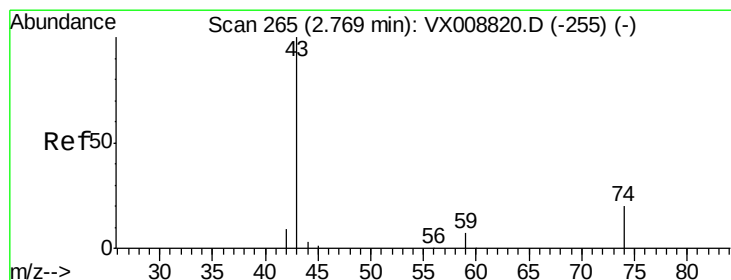
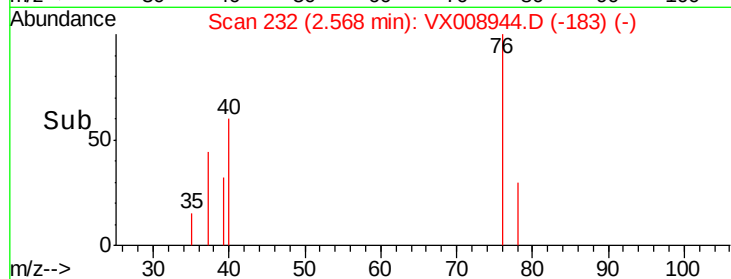
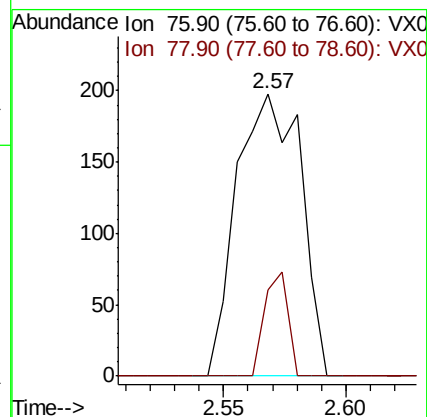
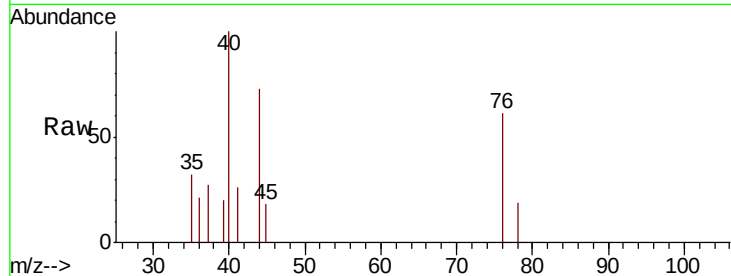
ClientSampled :

Tot Ion: 76 Resp: 361

Ion Ratio Lower Upper

76 100

78 30.3 7.1 10.7#



#18

Methyl Acetate

Concen: 0.425 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX008944.D

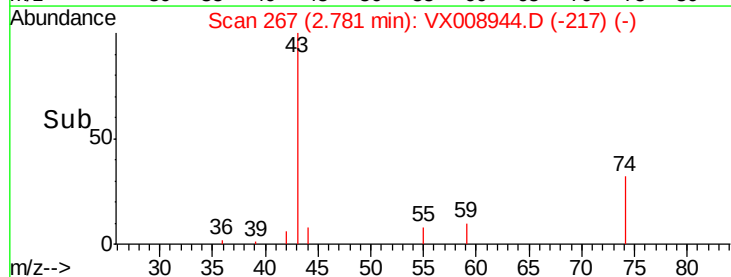
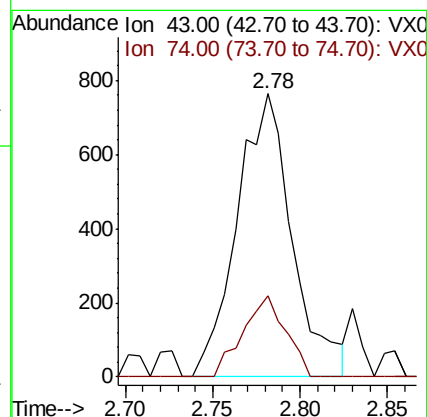
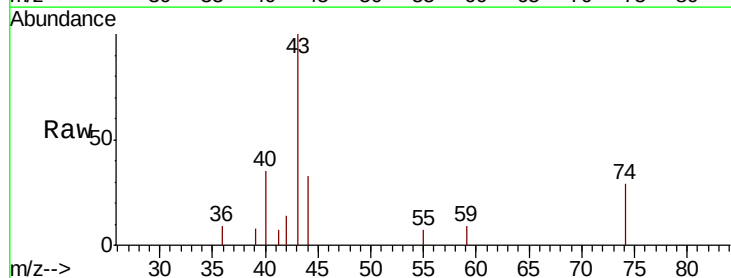
Acq: 13 Apr 2019 20:02

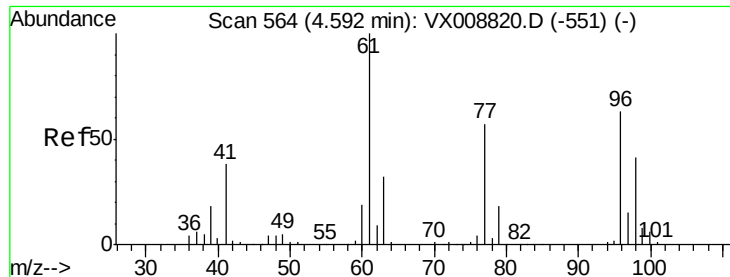
Tgt Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

74 22.1 16.5 24.7



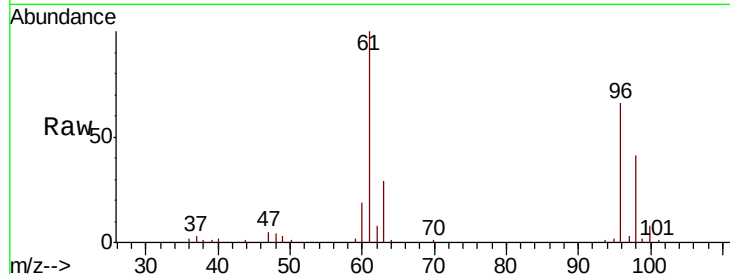


#27

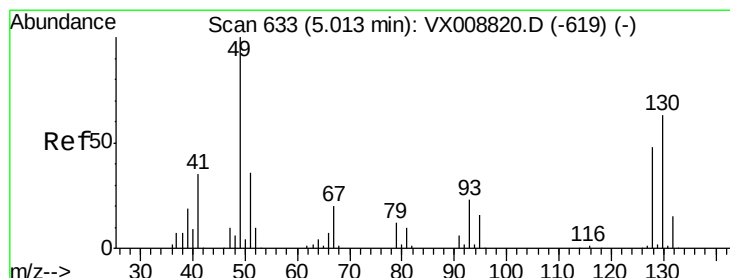
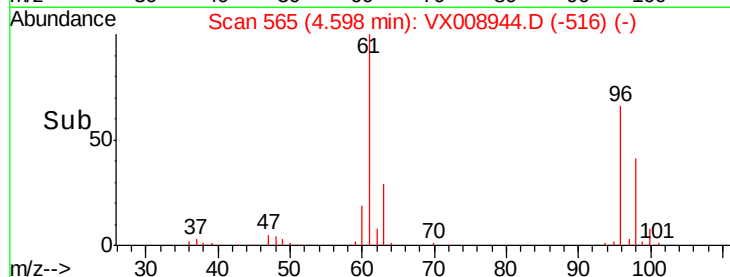
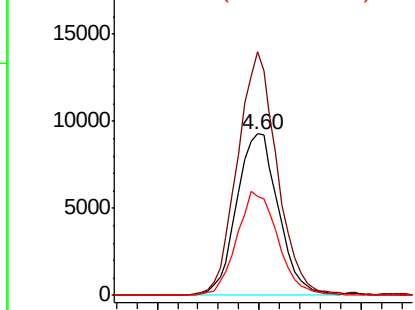
cis-1,2-Dichloroethene
 Concen: 9.402 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	327.6
98	63.7	0.0	128.6



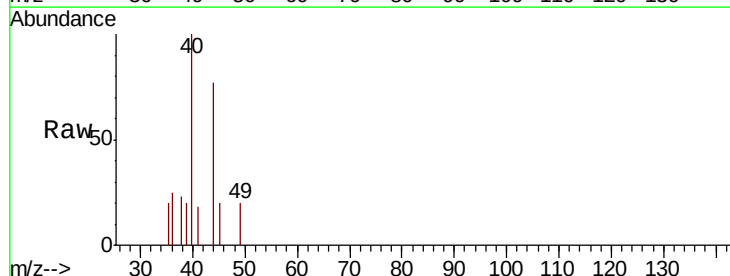
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



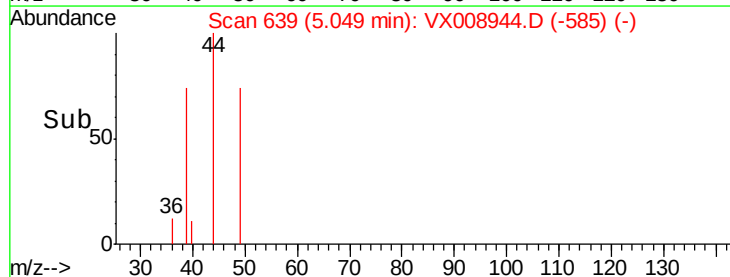
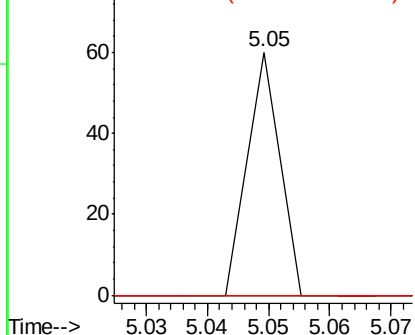
#28

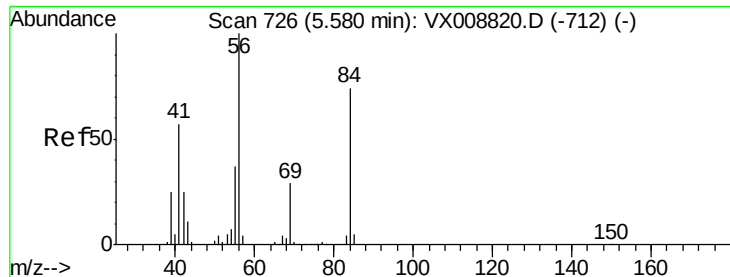
Bromochloromethane
 Concen: Below Cal
 RT: 5.05 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Tgt 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

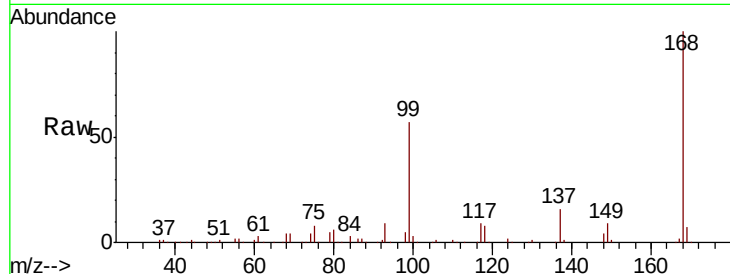




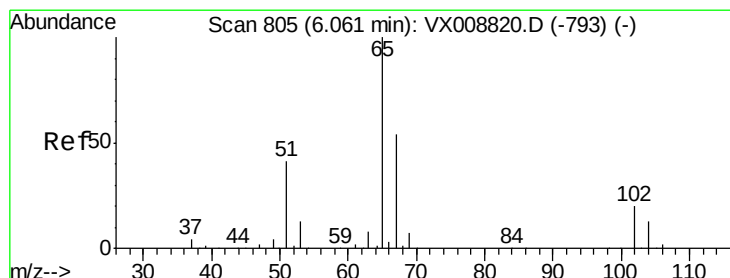
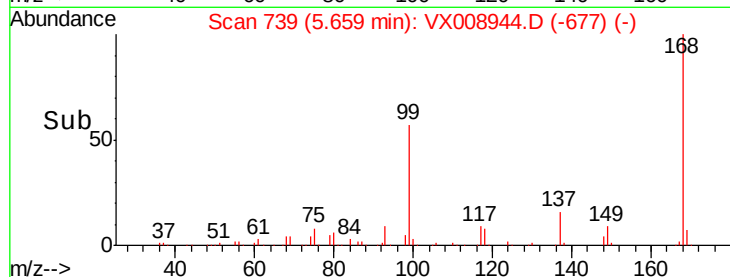
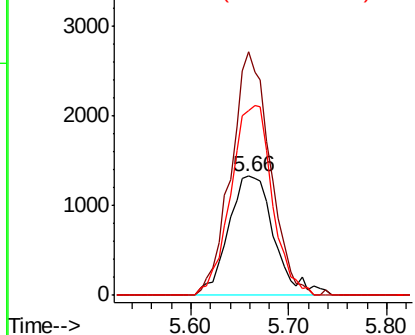
#31
Cyclohexane
Concen: 0.881 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008944.D
Acq: 13 Apr 2019 20:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4316
Ion Ratio Lower Upper
56 100
69 203.9 22.6 33.8#
84 154.4 59.3 88.9#

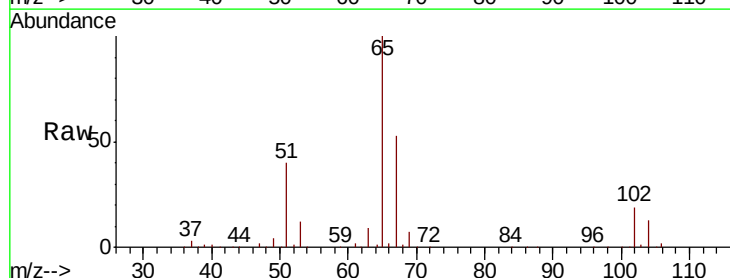


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

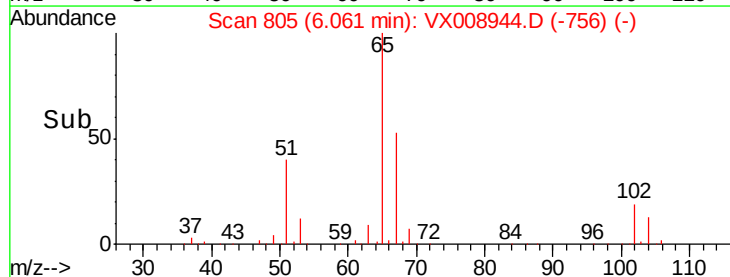
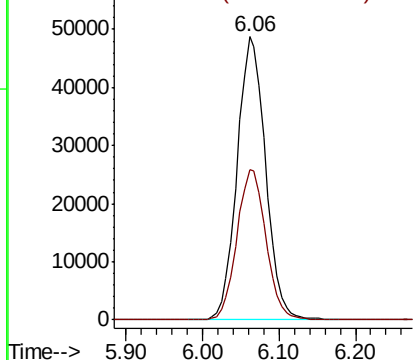


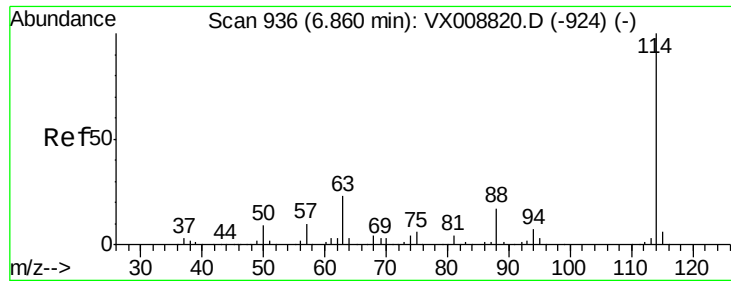
#33
1,2-Dichloroethane-d4
Concen: 44.376 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008944.D
Acq: 13 Apr 2019 20:02

Tgt Ion: 65 Resp: 125854
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



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

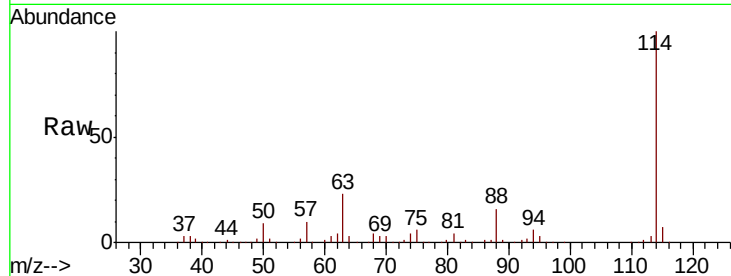




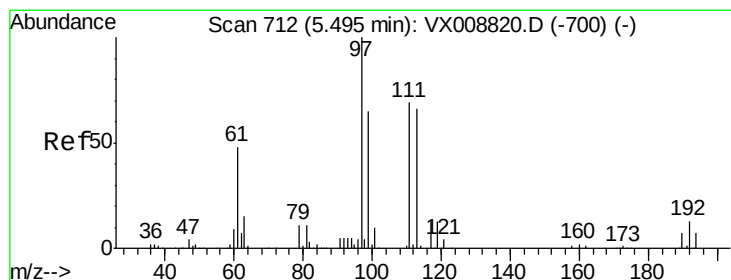
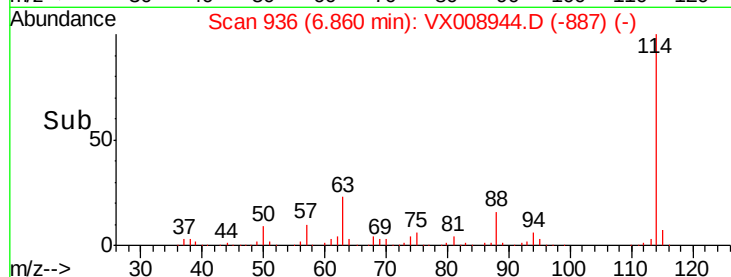
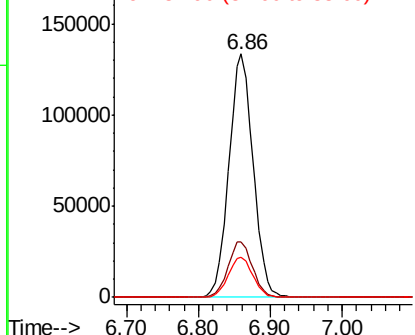
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008944.D
Acq: 13 Apr 2019 20:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 311616
Ion Ratio Lower Upper
114 100
63 22.9 0.0 47.2
88 16.5 0.0 34.0

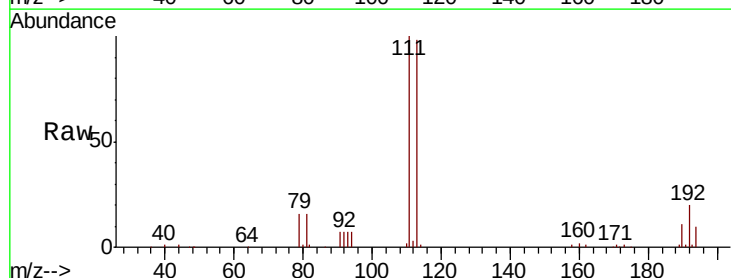


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

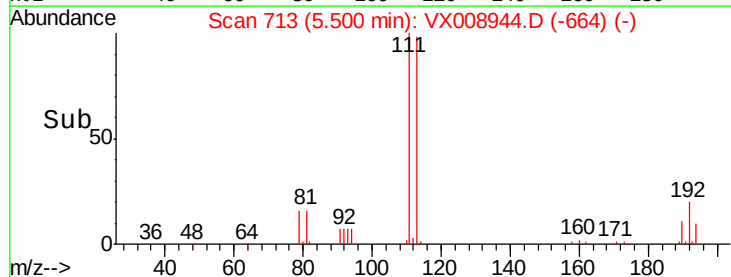
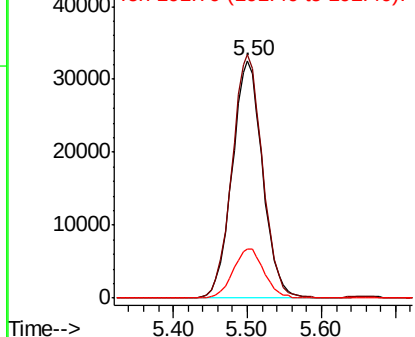


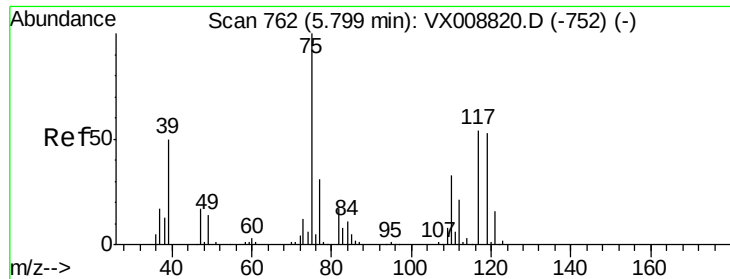
#35
Dibromofluoromethane
Concen: 46.551 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008944.D
Acq: 13 Apr 2019 20:02

Tgt Ion:113 Resp: 92747
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.2
192 21.4 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

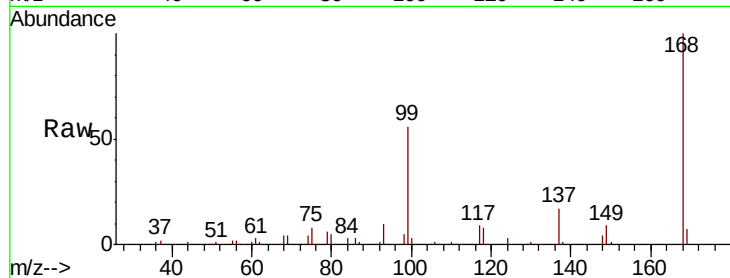




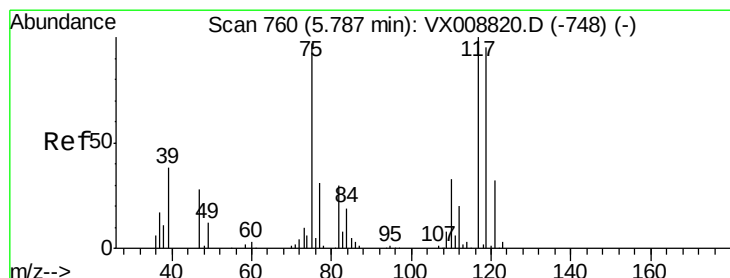
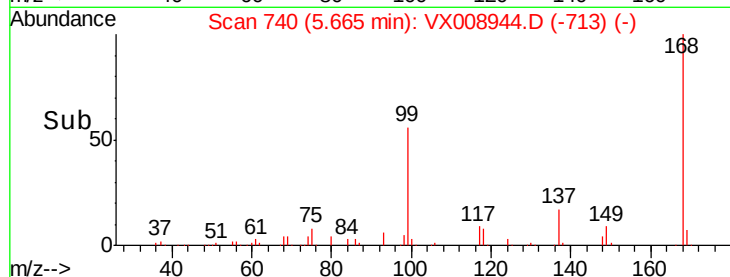
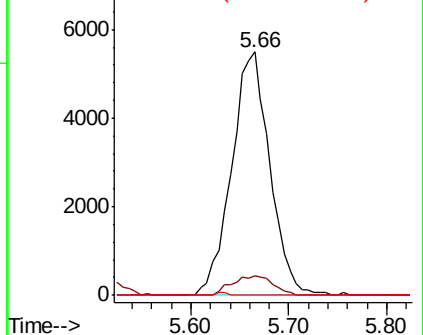
#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.4	49.2#
77	0.0	24.7	37.1#

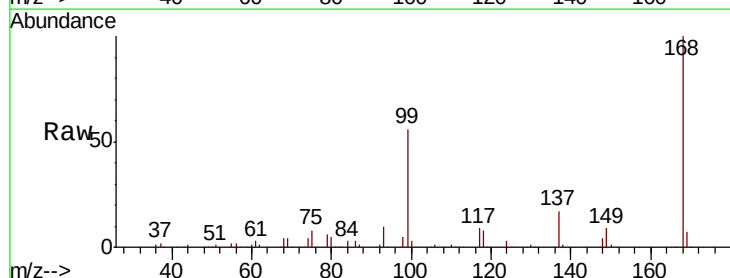


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

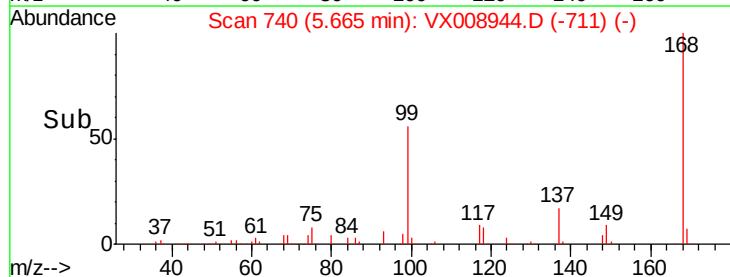
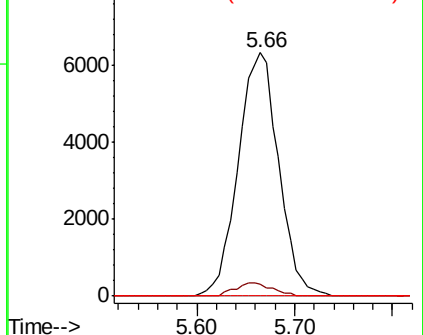


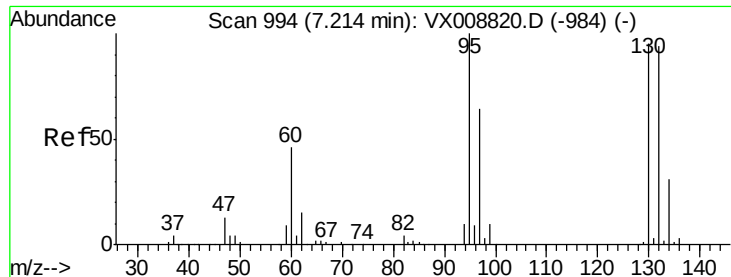
#38
 Carbon Tetrachloride
 Concen: 6.436 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	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

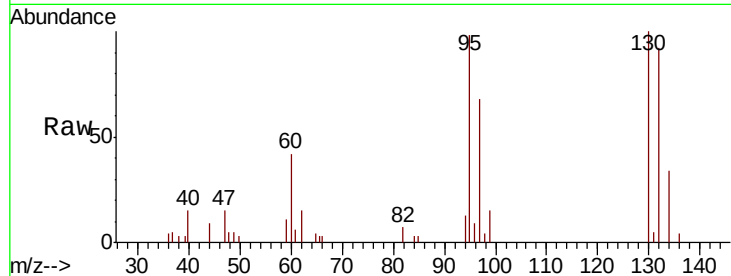




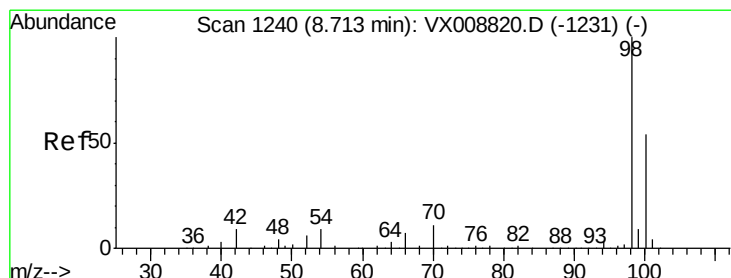
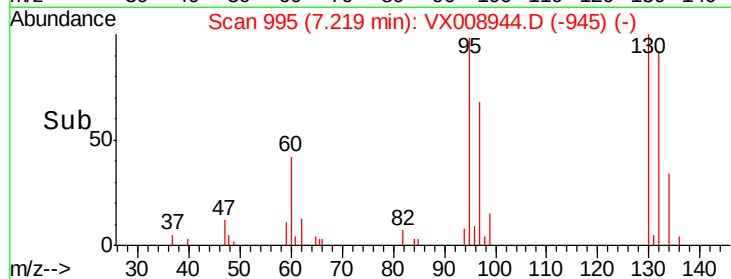
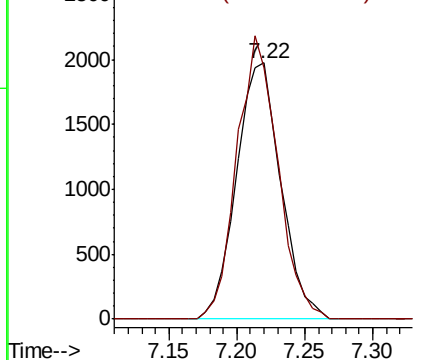
#44
 Trichloroethene
 Concen: 1.907 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 4506
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 209.8

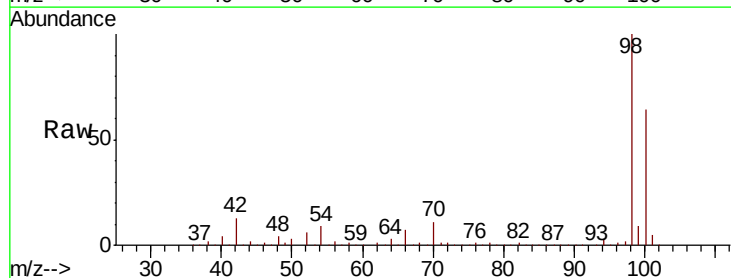


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

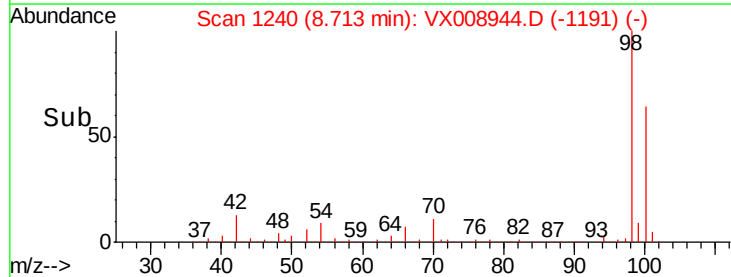
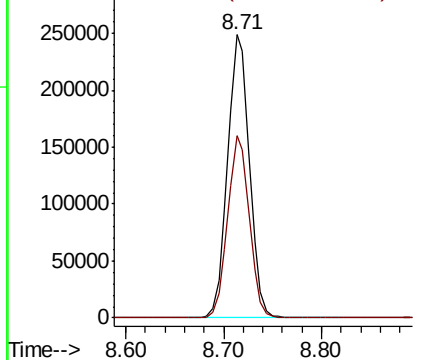


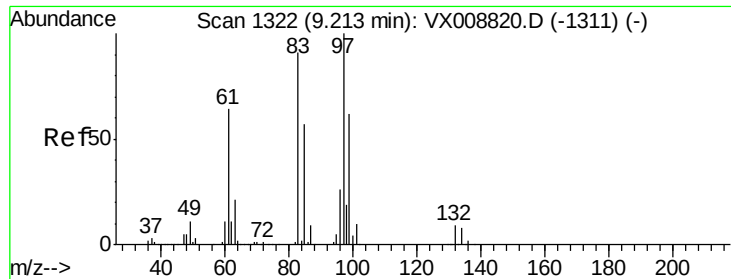
#50
 Toluene-d8
 Concen: 48.559 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Tgt Ion: 98 Resp: 385220
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.4 77.0



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





#55

1,1,2-Trichloroethane

Concen: 0.428 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008944.D

Acq: 13 Apr 2019 20:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 1029

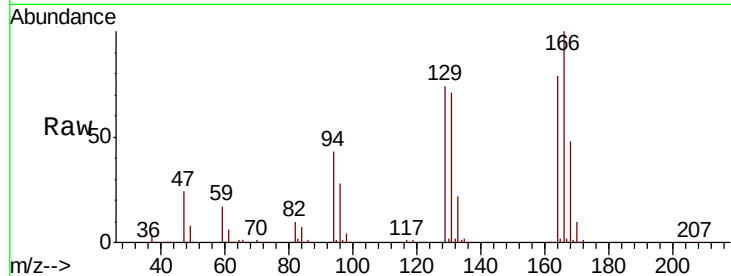
Ion Ratio Lower Upper

97 100

83 291.5 73.2 109.8#

85 43.0 46.6 69.8#

99 12.9 50.1 75.1#



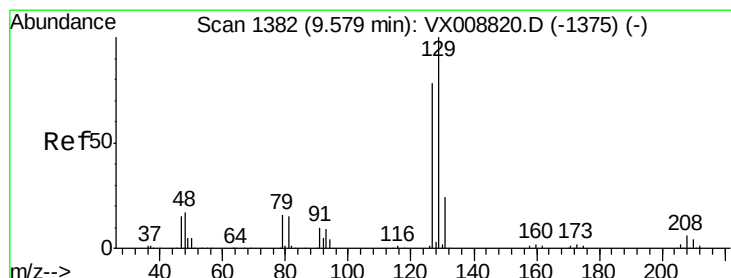
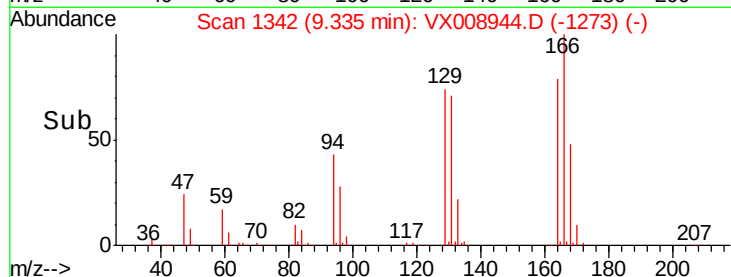
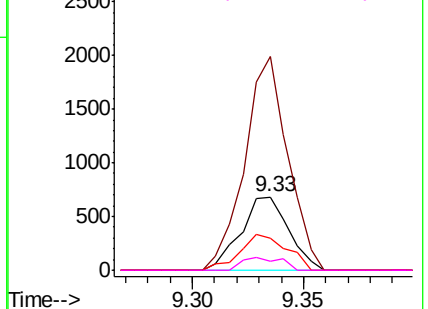
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 45.486 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008944.D

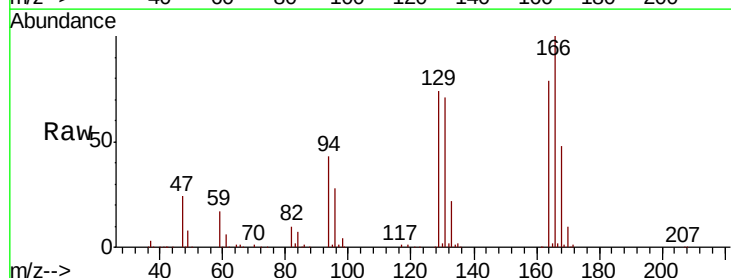
Acq: 13 Apr 2019 20:02

Tgt Ion:129 Resp: 102932

Ion Ratio Lower Upper

129 100

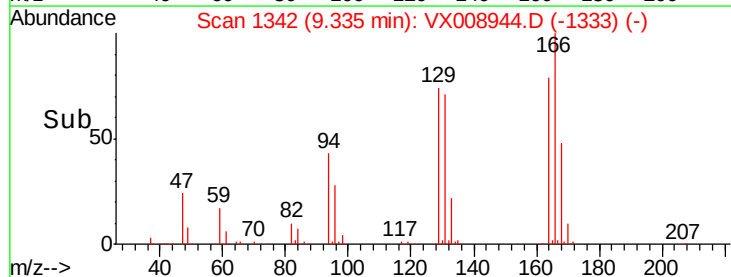
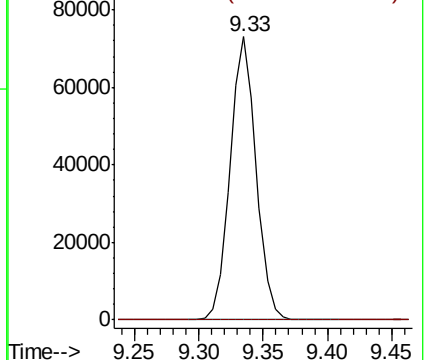
127 0.1 38.5 115.3#

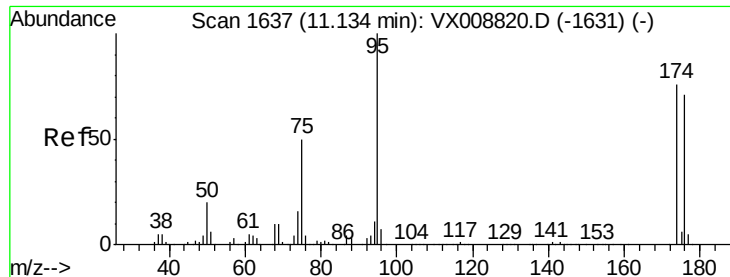


Abundance

Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.337 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008944.D

Acq: 13 Apr 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

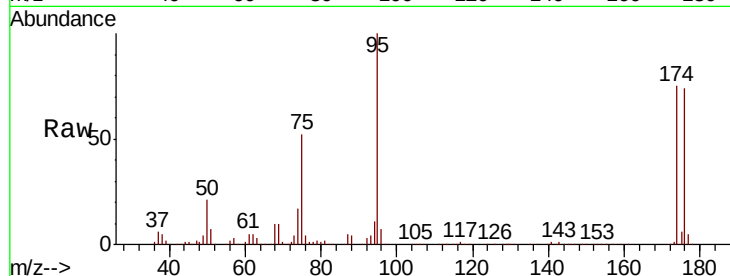
Tot Ion: 95 Resp: 127541

Ion Ratio Lower Upper

95 100

174 80.0 0.0 151.8

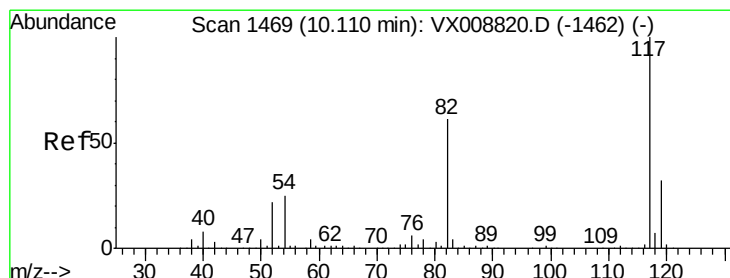
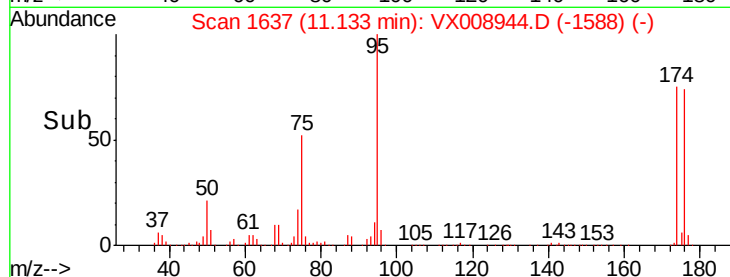
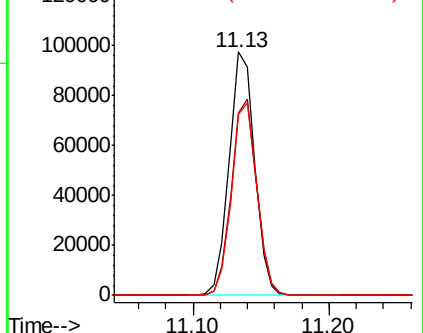
176 78.7 0.0 145.8



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: VX008944.D

Acq: 13 Apr 2019 20:02

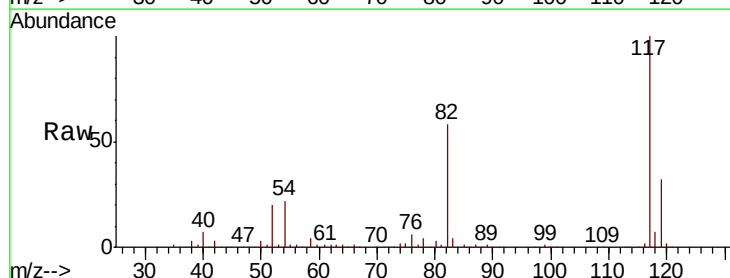
Tgt Ion: 117 Resp: 268742

Ion Ratio Lower Upper

117 100

82 57.8 49.6 74.4

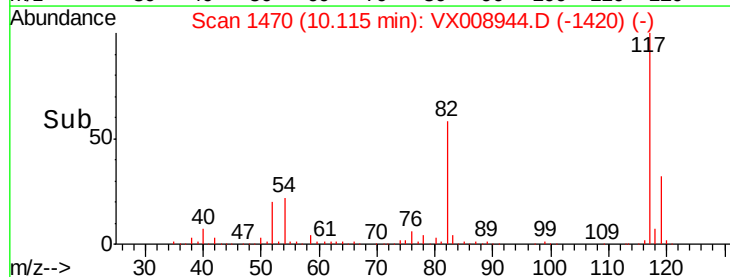
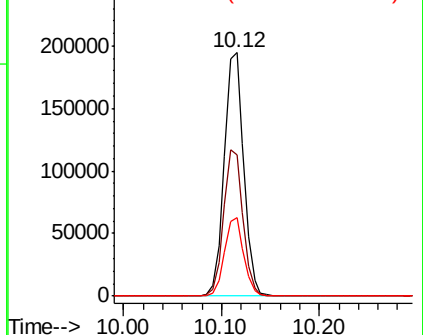
119 32.4 25.0 37.4

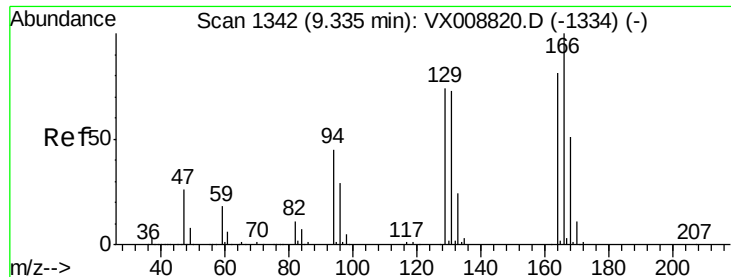


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 55.574 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008944.D

Acq: 13 Apr 2019 20:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:164 Resp: 110653

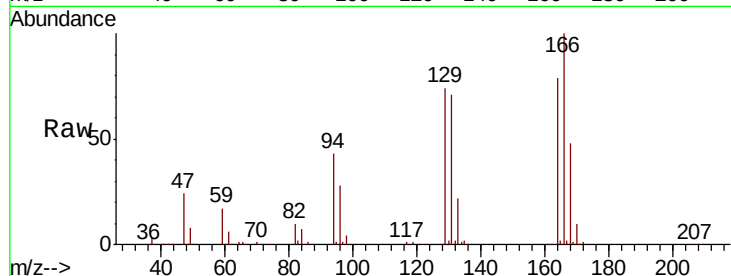
Ion Ratio Lower Upper

164 100

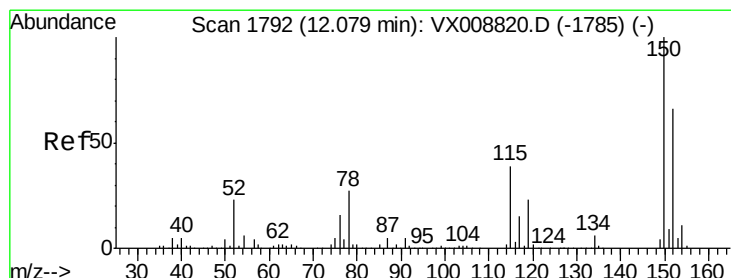
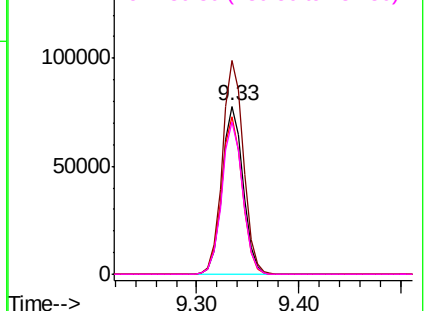
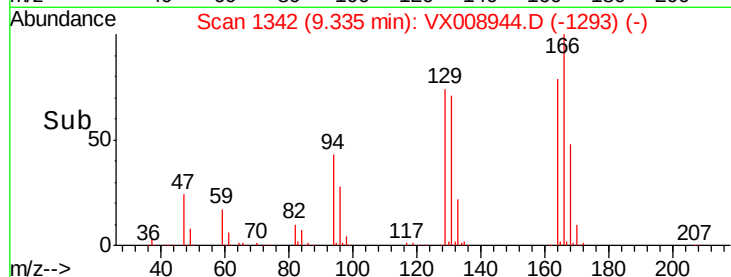
166 127.1 101.0 151.6

129 93.9 75.8 113.8

131 90.5 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: VX008944.D

Acq: 13 Apr 2019 20:02

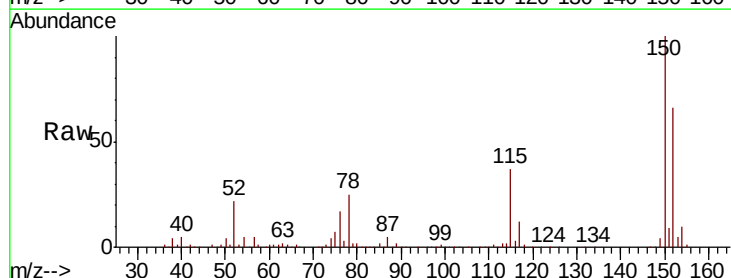
Tgt Ion:152 Resp: 116223

Ion Ratio Lower Upper

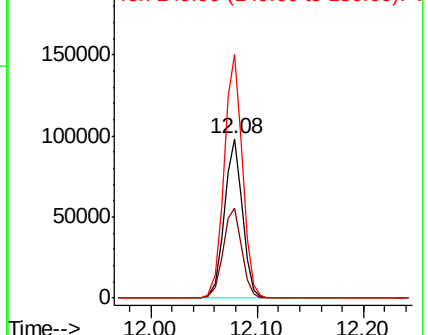
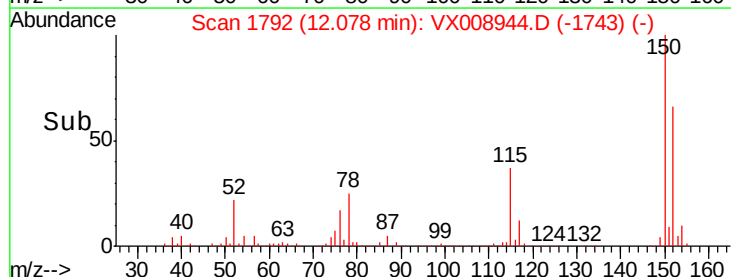
152 100

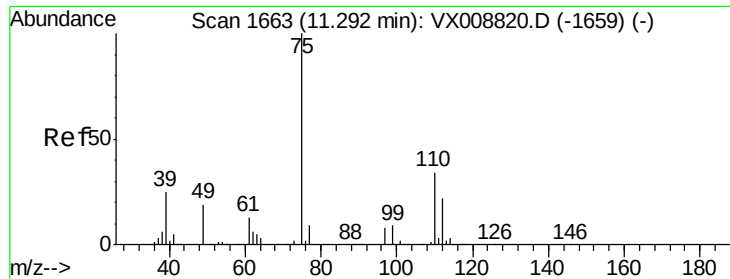
115 58.5 43.5 130.5

150 155.1 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

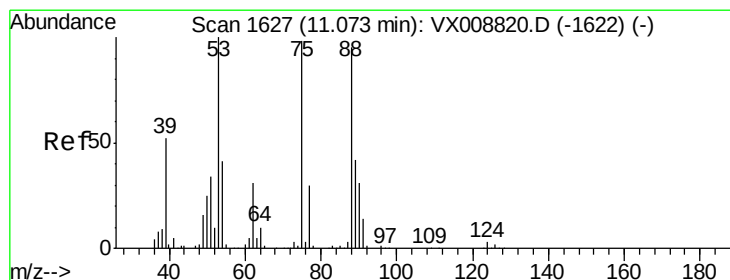
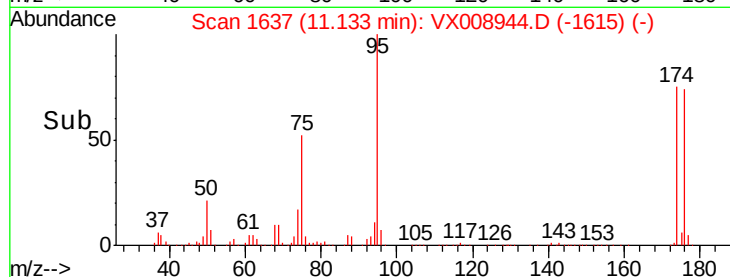
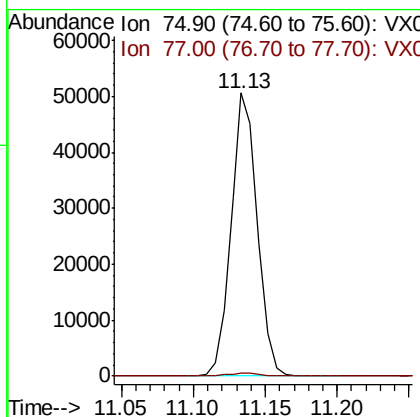
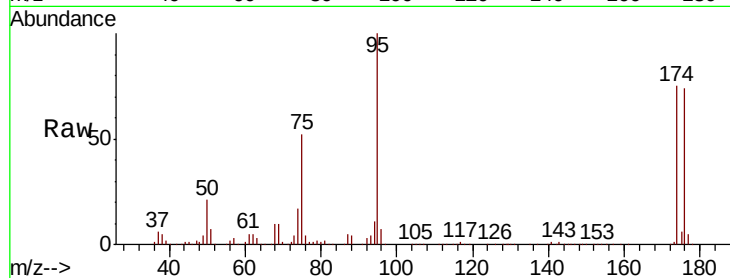




#76
 1,2,3-Trichloropropane
 Concen: 20.168 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.17 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 64390
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.593 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008944.D
 Acq: 13 Apr 2019 20:02

Tgt Ion: 75 Resp: 64390
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

