

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007476.D
 Acq On : 11 Feb 2019 18:52
 Operator : JC/SP
 Sample : K1449-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-23-OW

Quant Time: Feb 12 00:07:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	532375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	821119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	766908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	379518	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	280652	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	5.50	113	260494	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	978505	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.13	95	347177	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

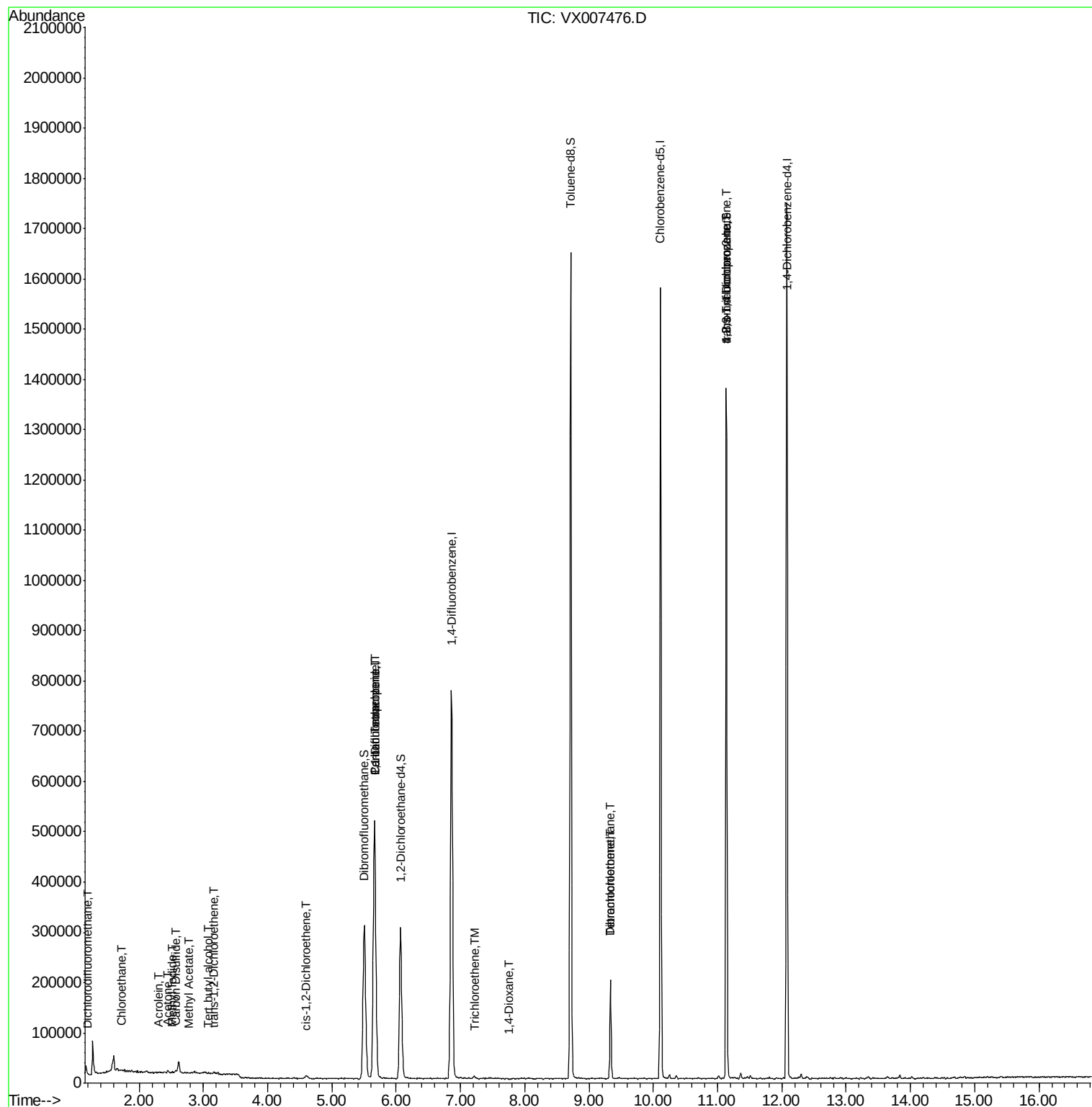
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	608	0.270	ug/l	96
5) Bromomethane	1.65	94	2517	Below Cal		98
6) Chloroethane	1.73	64	811	0.213	ug/l #	59
10) Methyl Iodide	2.52	142	1957	0.243	ug/l #	85
11) Tert butyl alcohol	3.07	59	278	0.238	ug/l #	73
13) Acrolein	2.29	56	536	0.977	ug/l	93
16) Acetone	2.45	43	5185	2.003	ug/l	90
17) Carbon Disulfide	2.57	76	4965	2.479	ug/l	99
18) Methyl Acetate	2.77	43	960	0.734	ug/l	99
20) Methylene Chloride	2.87	84	1764	Below Cal	#	42
21) trans-1,2-Dichloroethene	3.17	96	1561	0.288	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	3916	0.662	ug/l	92
36) 1,1-Dichloropropene	5.67	75	33172	4.503	ug/l #	44
38) Carbon Tetrachloride	5.67	117	48649	6.806	ug/l #	16
44) Trichloroethene	7.22	130	2469	0.378	ug/l	99
49) 1,4-Dioxane	7.75	88	155	8.056	ug/l #	25
60) Dibromochloromethane	9.34	129	34677	6.282	ug/l #	12
64) Tetrachloroethene	9.34	164	38784	5.366	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	166033	22.491	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	166033	67.868	ug/l #	9

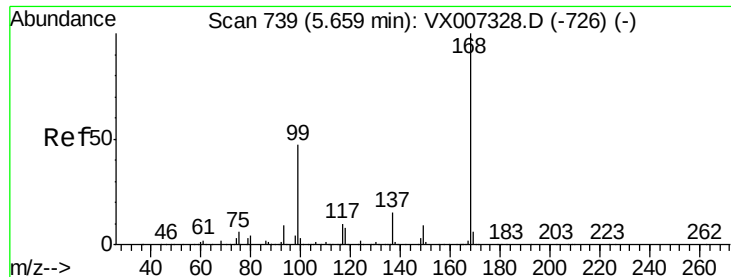
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 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: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

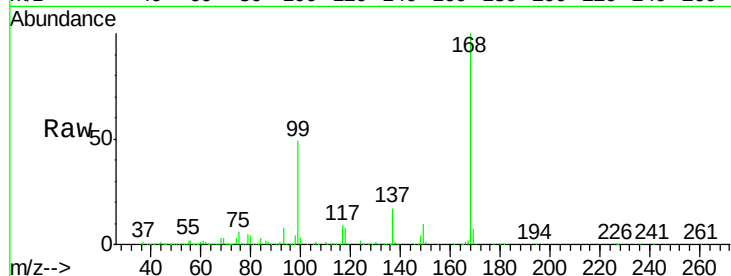
B-23-OW

Tot Ion:168 Resp: 532375

Ion Ratio Lower Upper

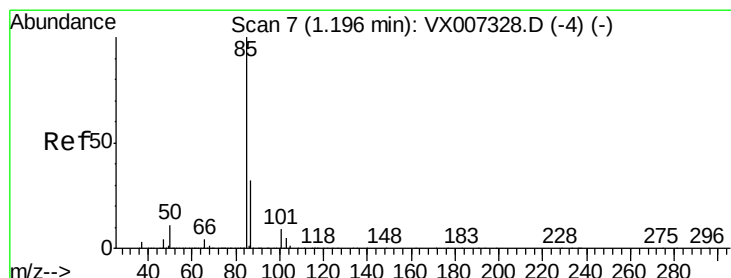
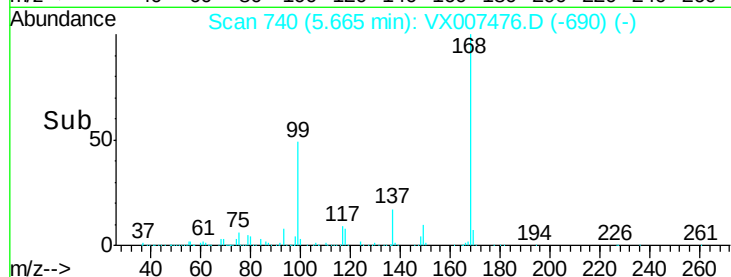
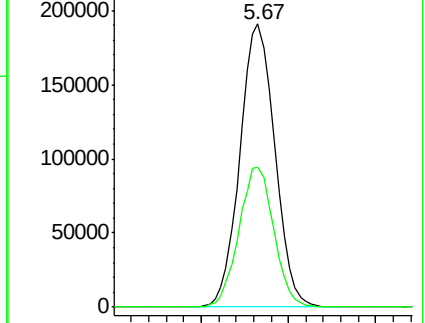
168 100

99 49.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.270 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007476.D

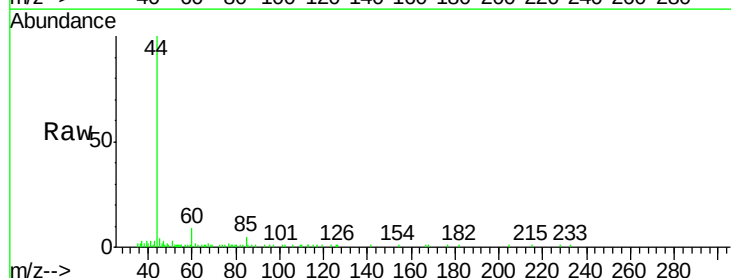
Acq: 11 Feb 2019 18:52

Tgt Ion: 85 Resp: 608

Ion Ratio Lower Upper

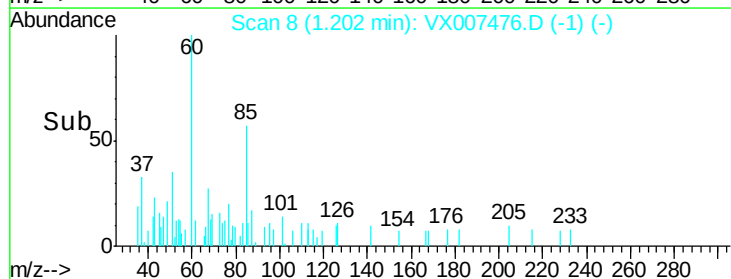
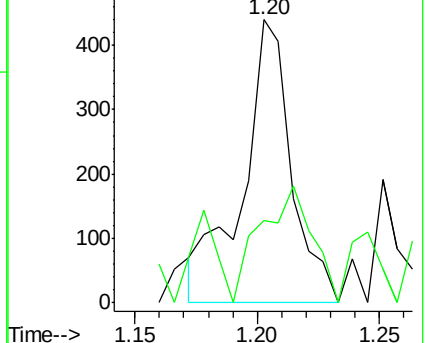
85 100

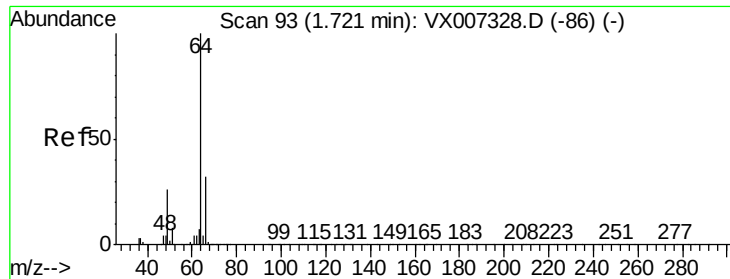
87 29.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

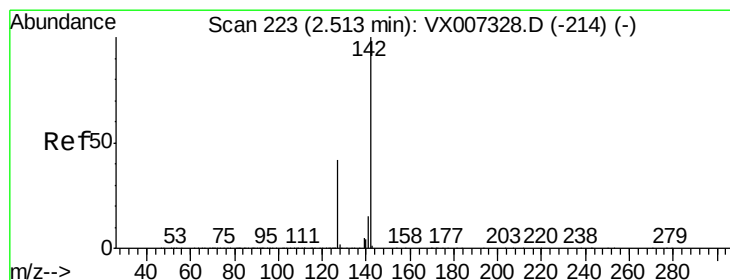
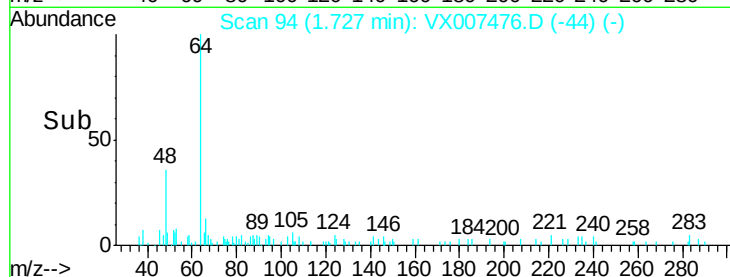
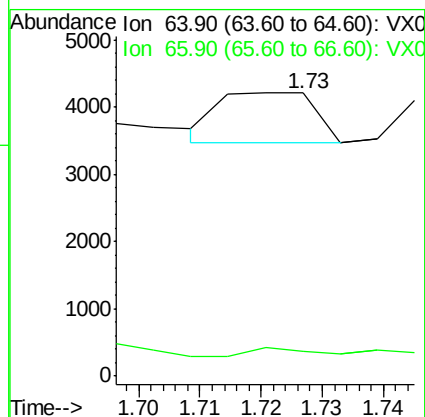
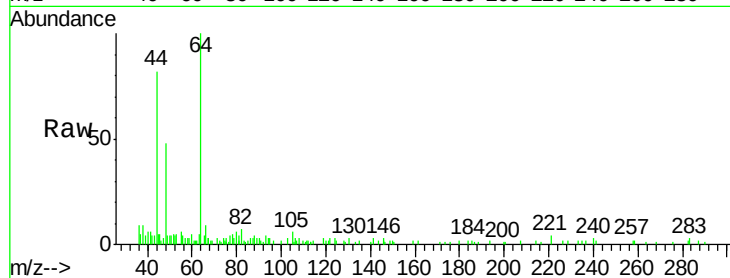
B-23-OW

Tot Ion: 64 Resp: 811

Ion Ratio Lower Upper

64 100

66 9.2 25.5 38.3#



#10

Methyl Iodide

Concen: 0.243 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

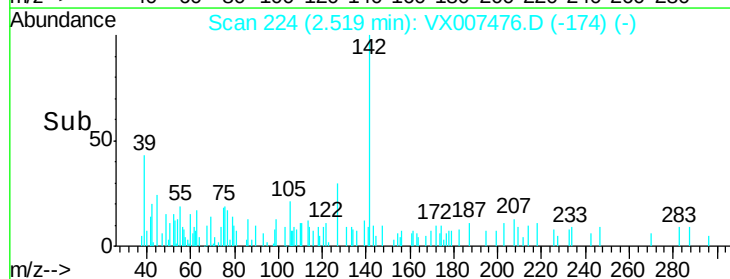
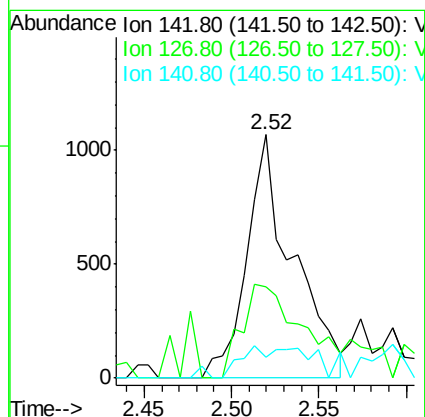
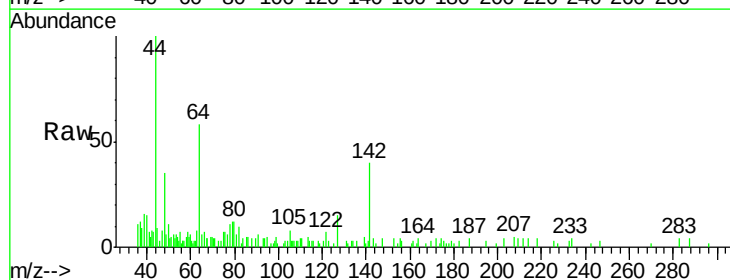
Tgt Ion: 142 Resp: 1957

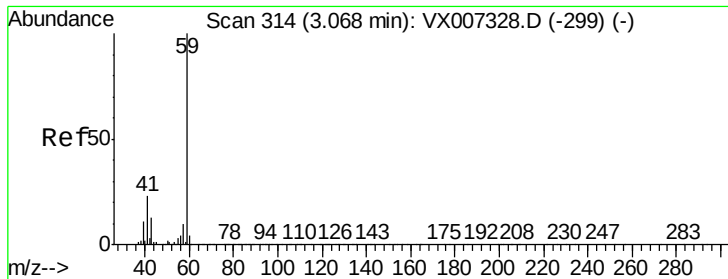
Ion Ratio Lower Upper

142 100

127 51.0 33.7 50.5#

141 7.5 11.3 16.9#



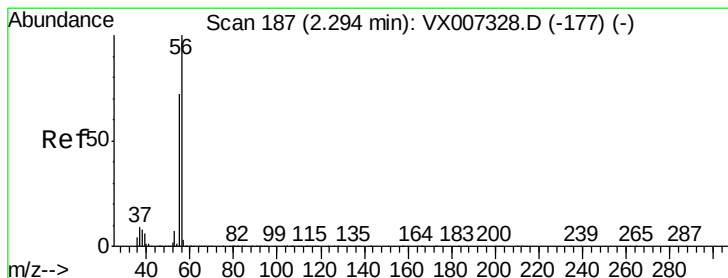
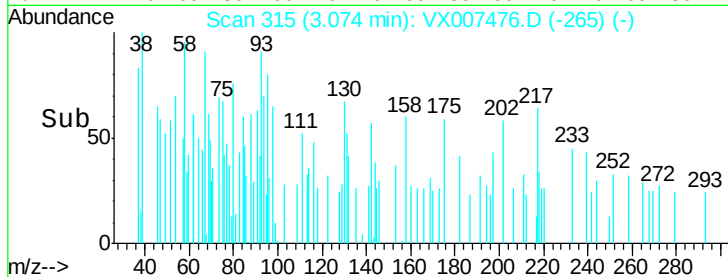
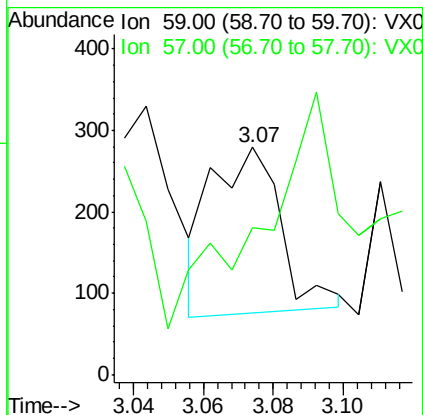
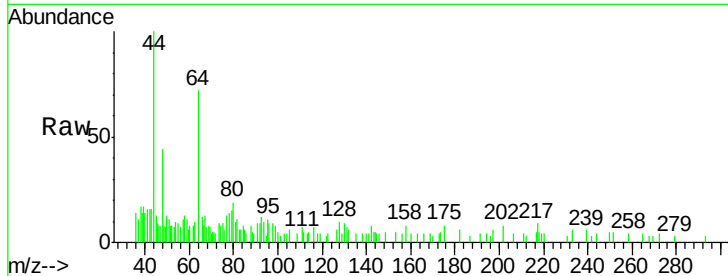


#11

Tert butyl alcohol
Concen: 0.238 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007476.D
Acq: 11 Feb 2019 18:52

Instrument :
MSVOA_X
ClientSampled :
B-23-OW

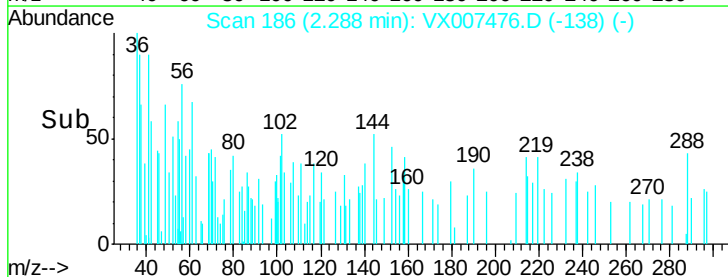
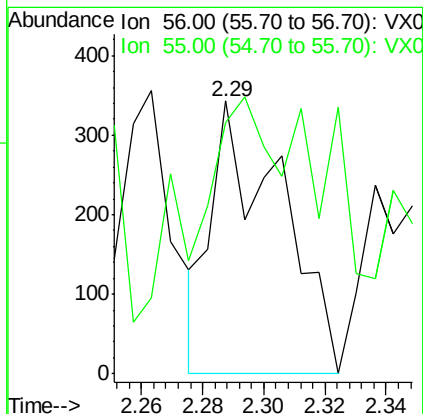
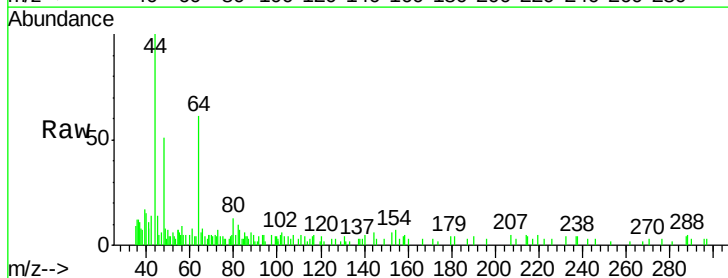
Tot Ion: 59 Resp: 278
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

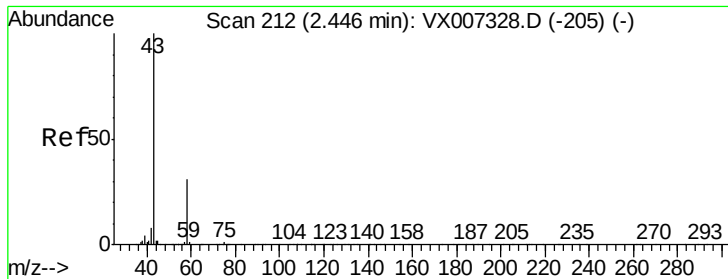


#13

Acrolein
Concen: 0.977 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007476.D
Acq: 11 Feb 2019 18:52

Tgt Ion: 56 Resp: 536
Ion Ratio Lower Upper
56 100
55 77.2 56.9 85.3





#16

Acetone

Concen: 2.003 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

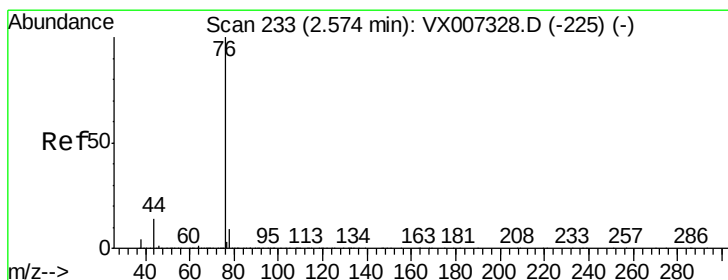
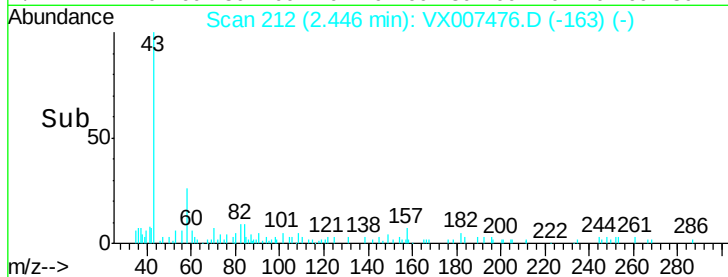
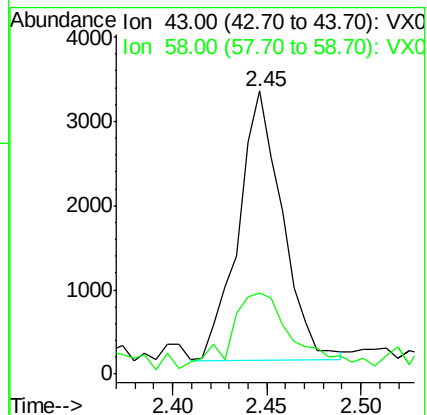
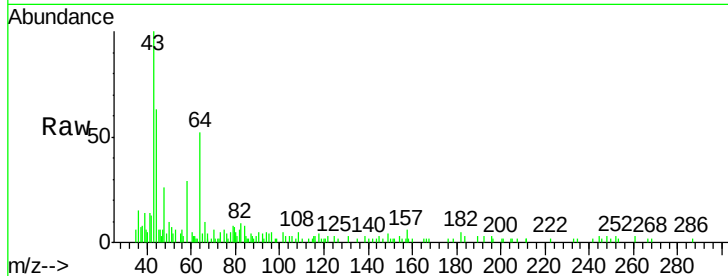
B-23-OW

Tot Ion: 43 Resp: 5185

Ion Ratio Lower Upper

43 100

58 25.4 24.9 37.3



#17

Carbon Disulfide

Concen: 2.479 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007476.D

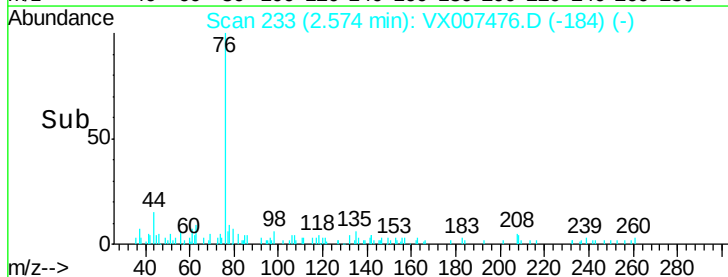
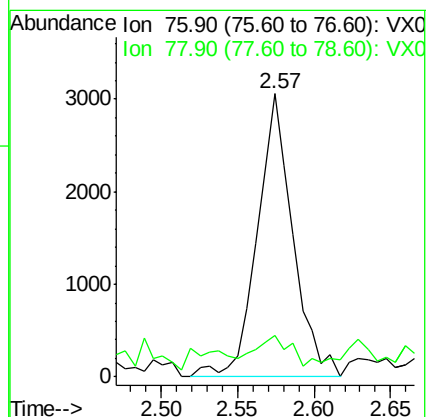
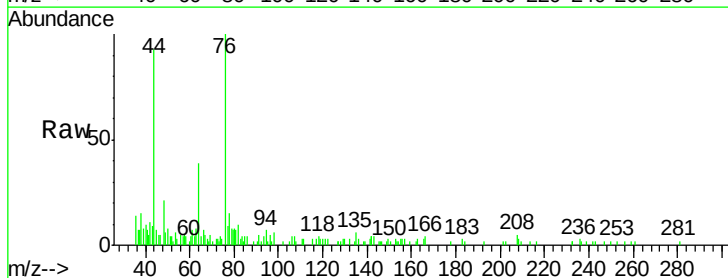
Acq: 11 Feb 2019 18:52

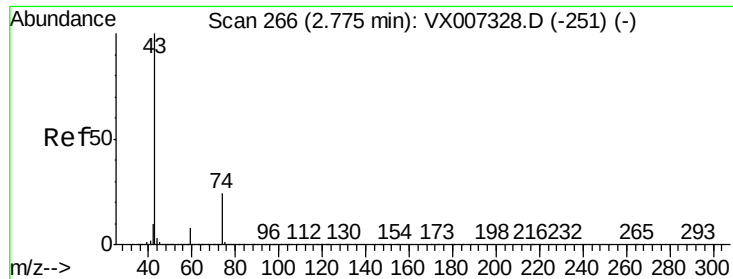
Tgt Ion: 76 Resp: 4965

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

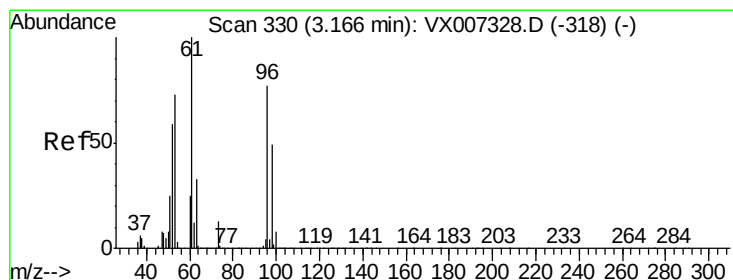
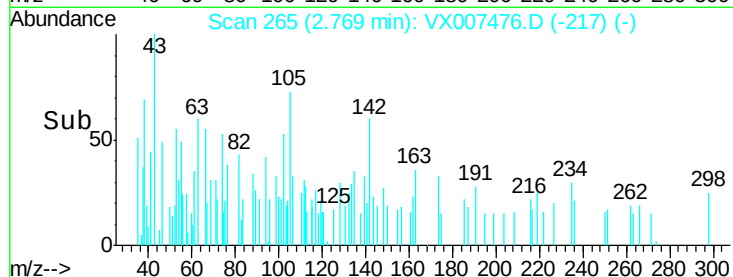
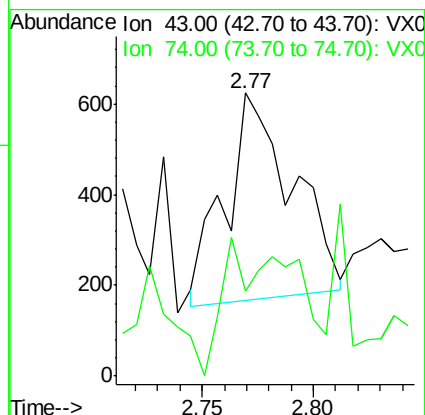
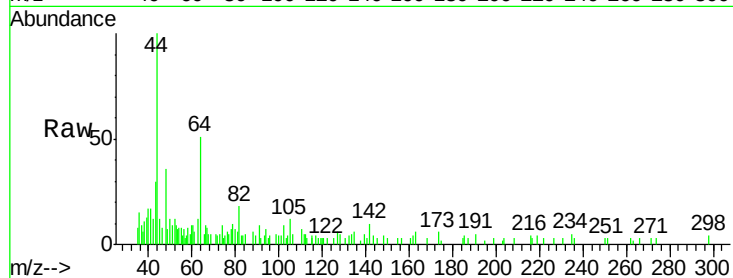




#18
Methyl Acetate
Concen: 0.734 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX007476.D
Acq: 11 Feb 2019 18:52

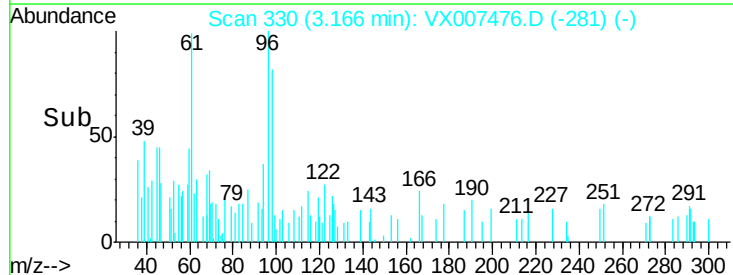
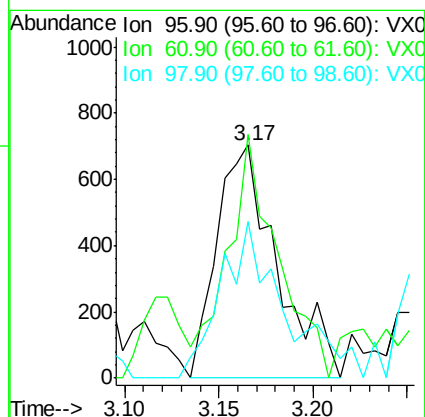
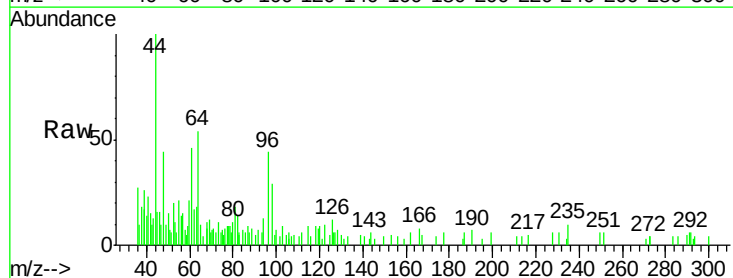
Instrument :
MSVOA_X
ClientSampled :
B-23-OW

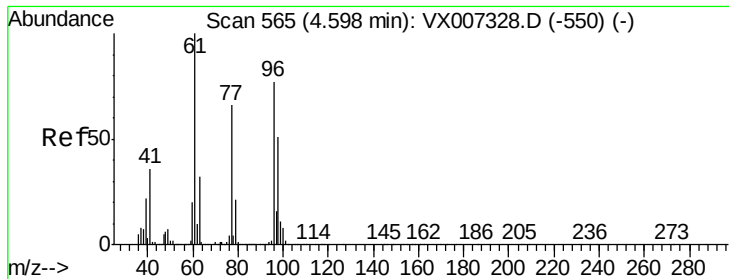
Tot Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
74 23.6 19.4 29.2



#21
trans-1,2-Dichloroethene
Concen: 0.288 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX007476.D
Acq: 11 Feb 2019 18:52

Tgt Ion: 96 Resp: 1561
Ion Ratio Lower Upper
96 100
61 91.2 104.6 156.8#
98 58.7 51.0 76.4



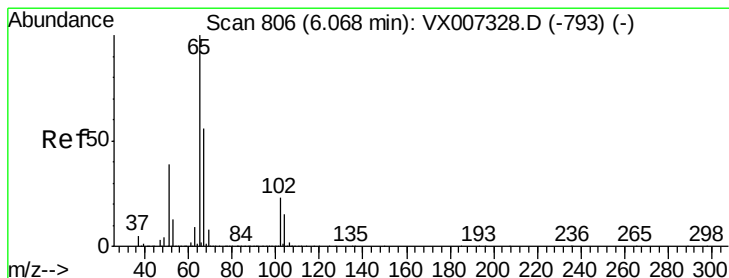
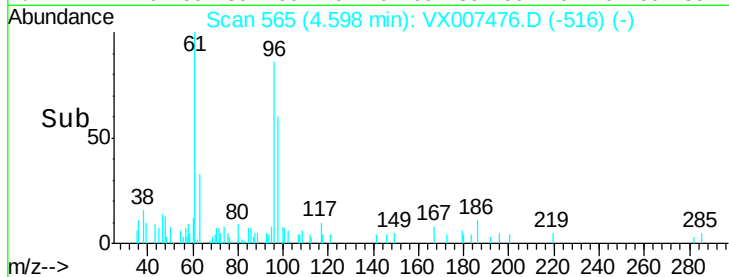
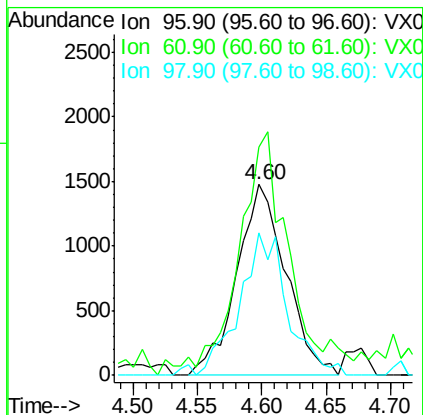
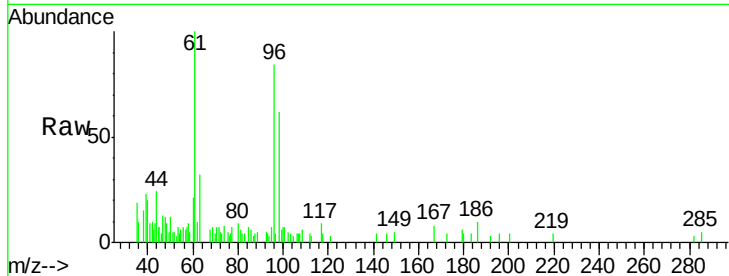


#27

cis-1,2-Dichloroethene
 Concen: 0.662 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007476.D
 Acq: 11 Feb 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 B-23-OW

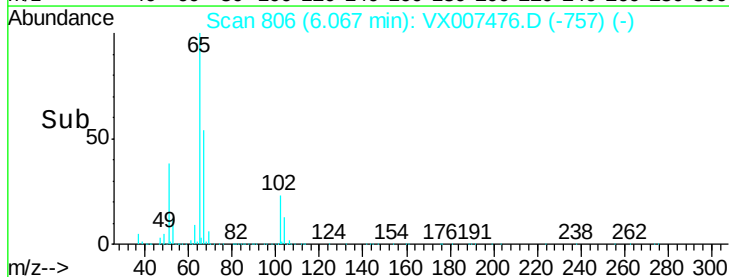
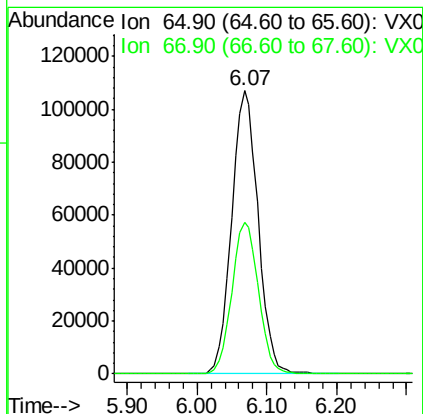
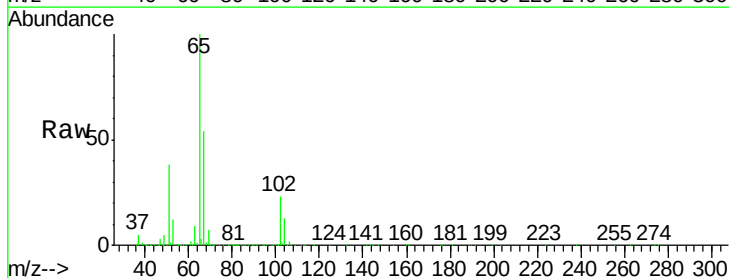
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	265.6
98	73.6	0.0	131.6

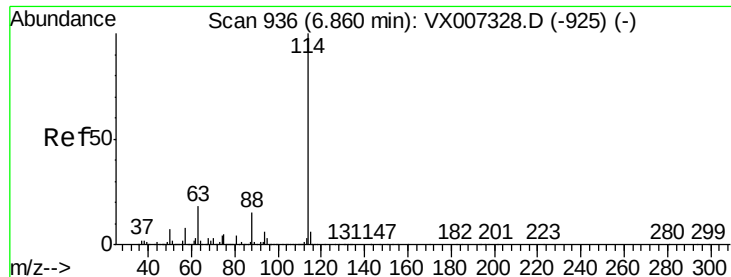


#33

1,2-Dichloroethane-d4
 Concen: 49.666 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007476.D
 Acq: 11 Feb 2019 18:52

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	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: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

B-23-OW

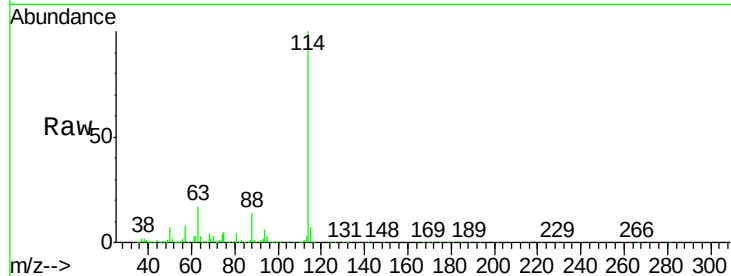
Tot Ion:114 Resp: 821119

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

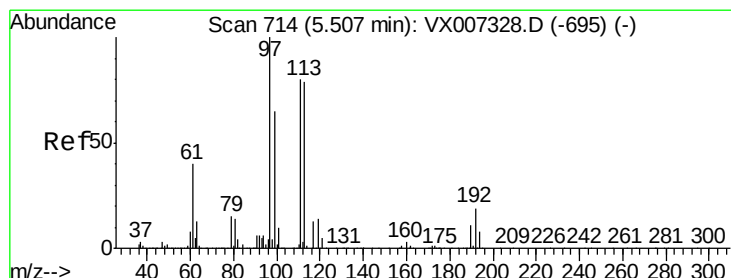
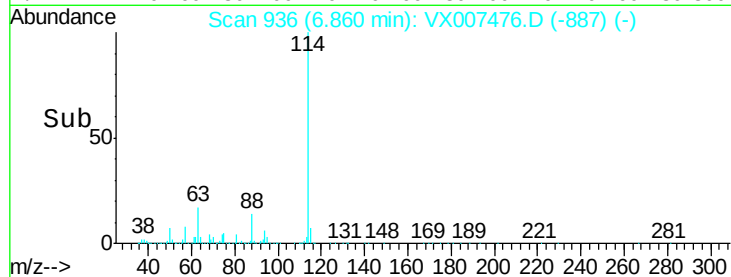
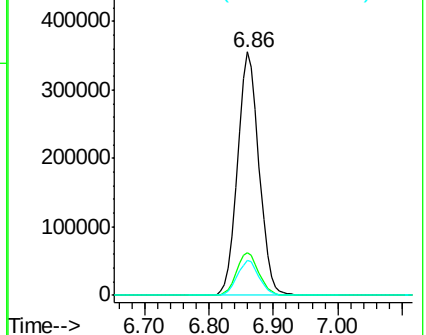
88 14.3 0.0 29.6



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: 48.757 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

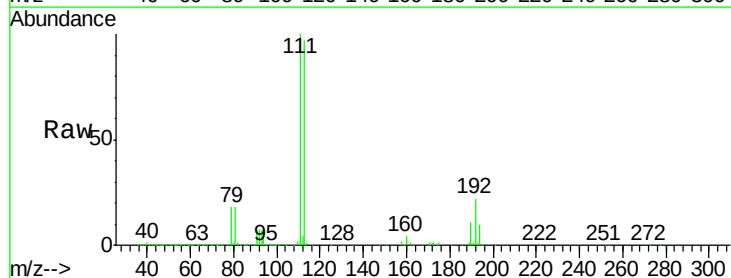
Tgt Ion:113 Resp: 260494

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

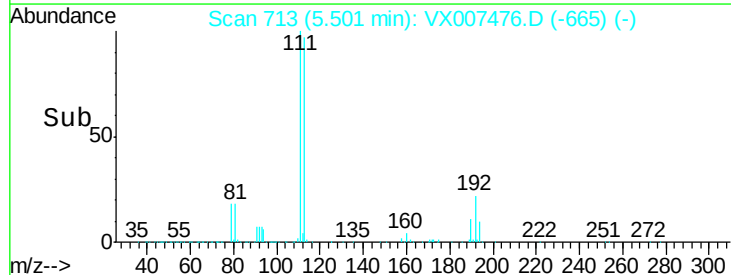
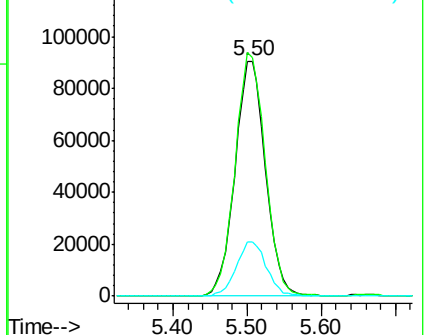
192 23.0 18.5 27.7

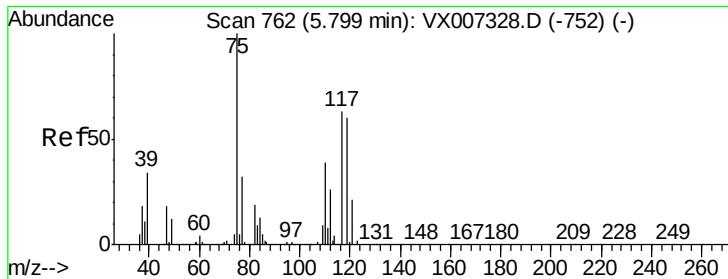


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

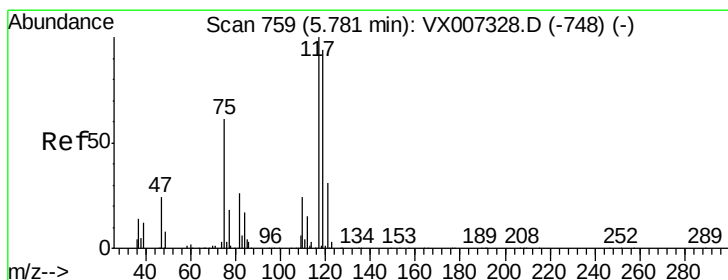
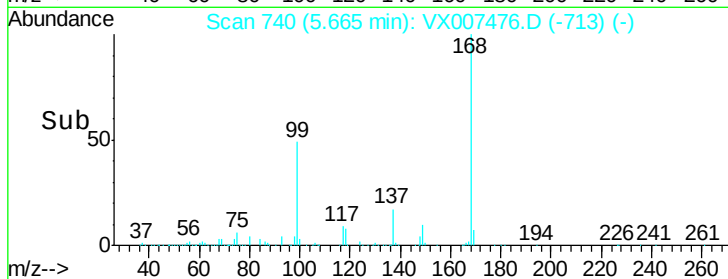
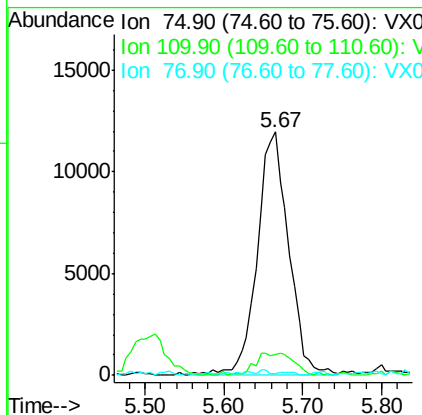
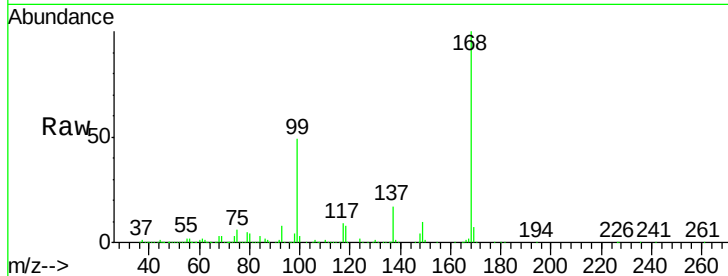




#36
 1,1-Dichloropropene
 Concen: 4.503 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007476.D
 Acq: 11 Feb 2019 18:52

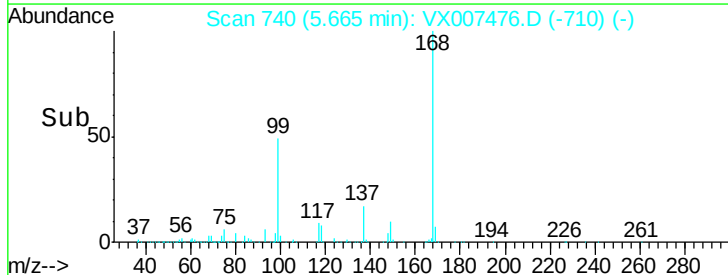
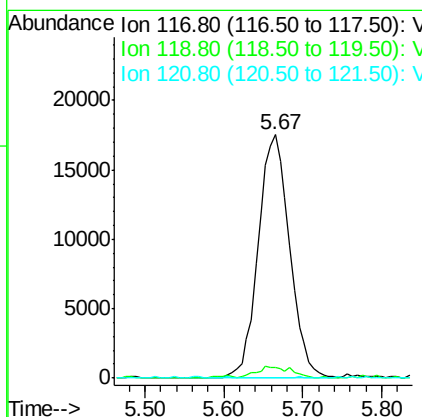
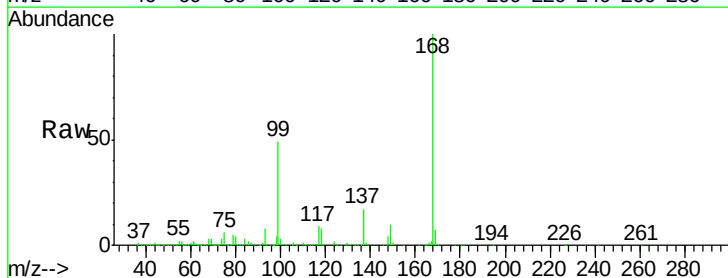
Instrument :
 MSVOA_X
 ClientSampleId :
 B-23-OW

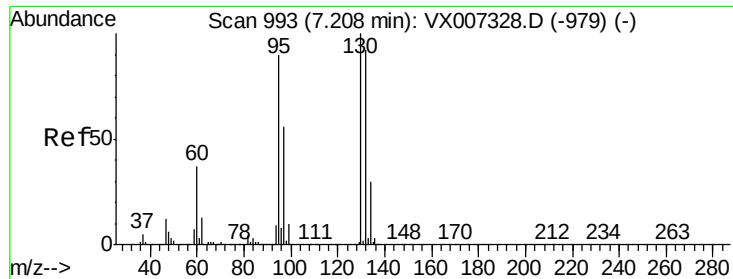
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.5	20.0	59.9#
77	0.8	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.806 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007476.D
 Acq: 11 Feb 2019 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.3	112.9#
121	0.0	25.0	37.4#





#44

Trichloroethene

Concen: 0.378 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampled :

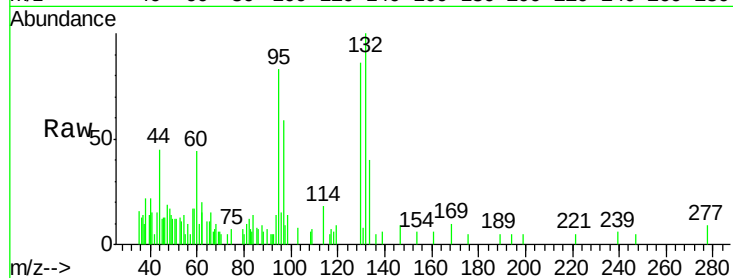
B-23-OW

Tot Ion:130 Resp: 2469

Ion Ratio Lower Upper

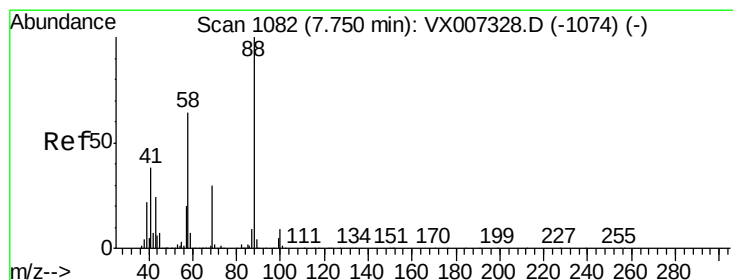
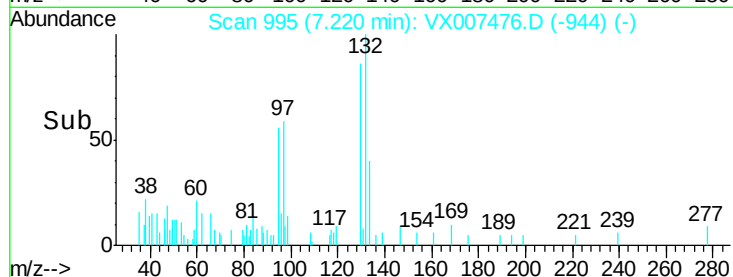
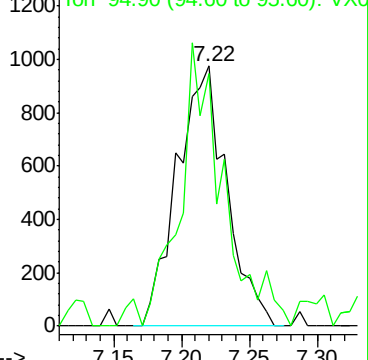
130 100

95 91.1 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 8.056 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

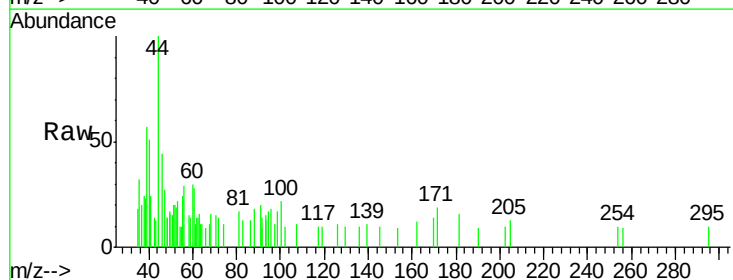
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

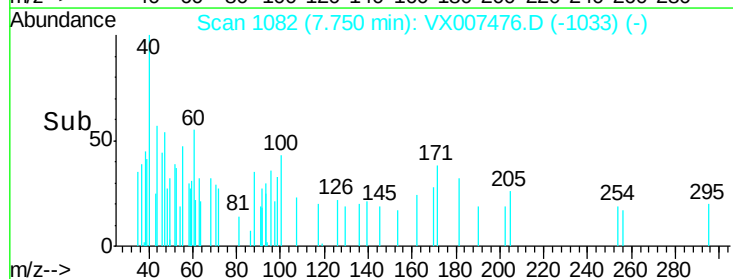
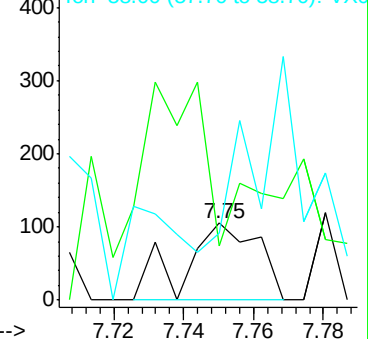
58 0.0 53.0 79.4#

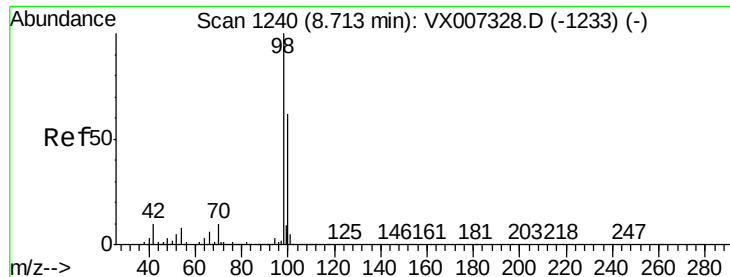


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.363 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

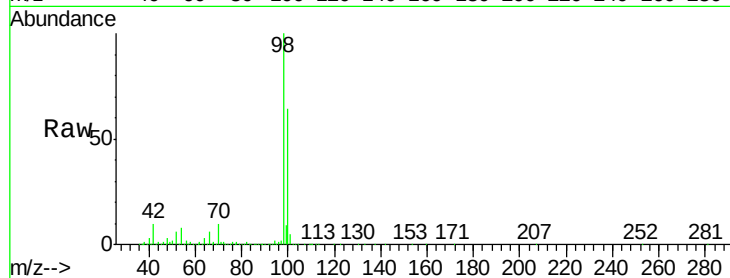
B-23-OW

Tot Ion: 98 Resp: 978505

Ion Ratio Lower Upper

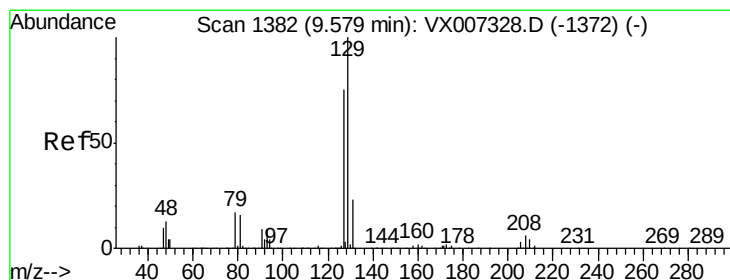
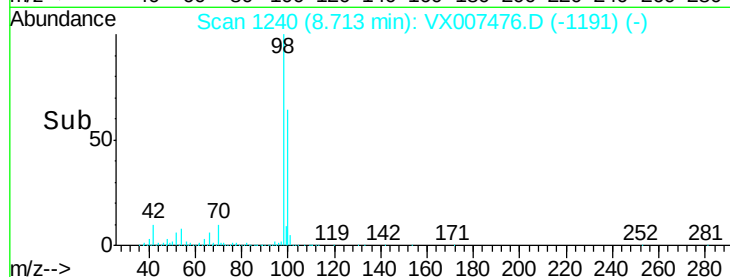
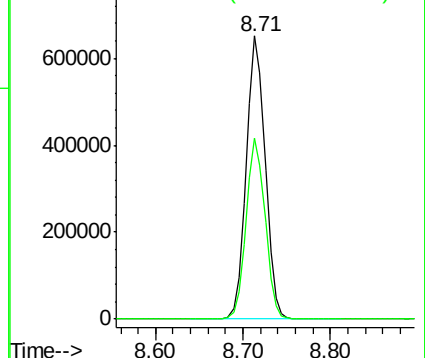
98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 6.282 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007476.D

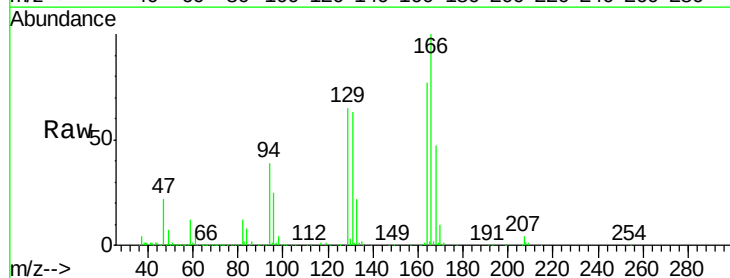
Acq: 11 Feb 2019 18:52

Tgt Ion:129 Resp: 34677

Ion Ratio Lower Upper

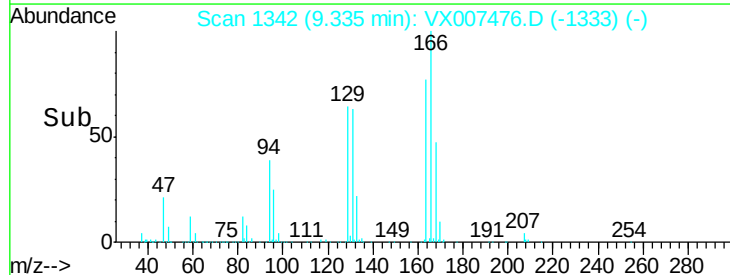
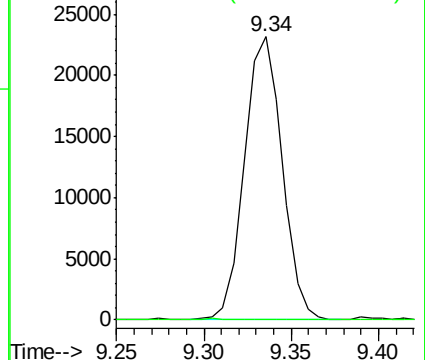
129 100

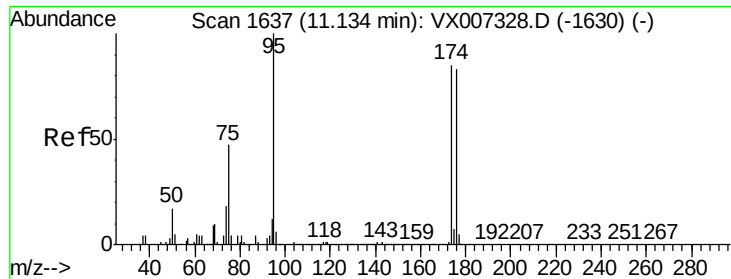
127 0.1 37.8 113.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

B-23-OW

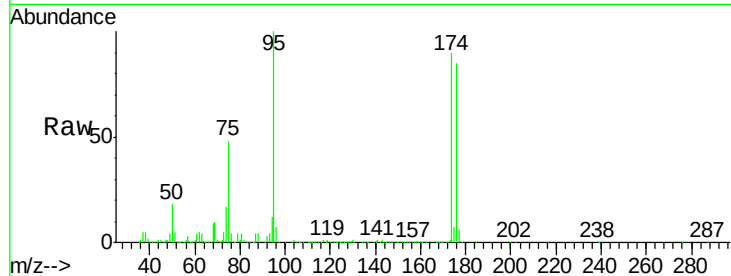
Tot Ion: 95 Resp: 347177

Ion Ratio Lower Upper

95 100

174 93.9 0.0 189.2

176 90.3 0.0 186.2

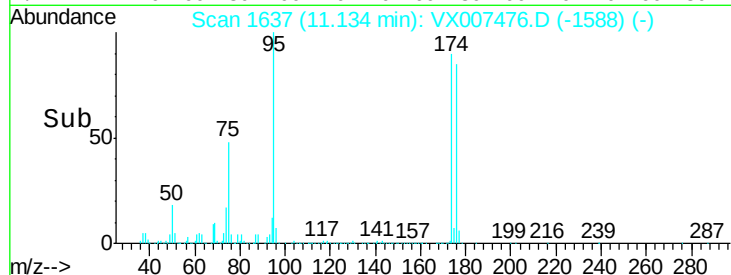


Abundance Ion 94.90 (94.60 to 95.60): VX007476.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007476.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007476.D (-1588) (-)

Time-->

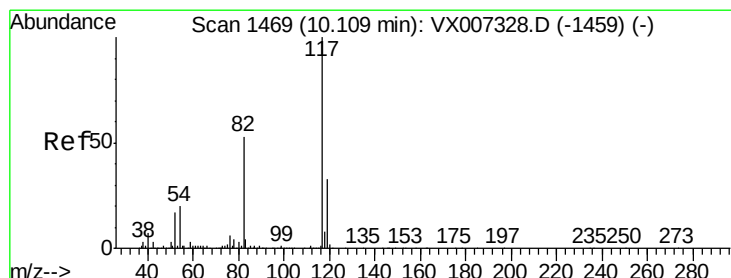


Abundance Ion 94.90 (94.60 to 95.60): VX007476.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007476.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007476.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

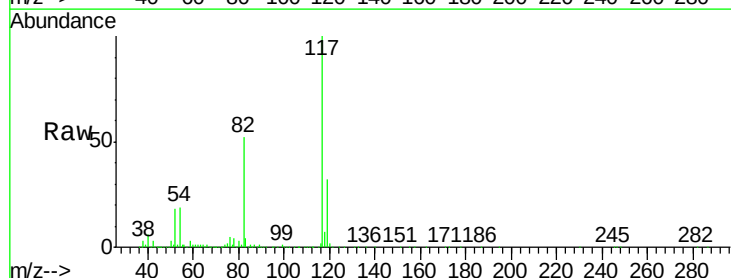
Tgt Ion: 117 Resp: 766908

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 32.2 26.5 39.7

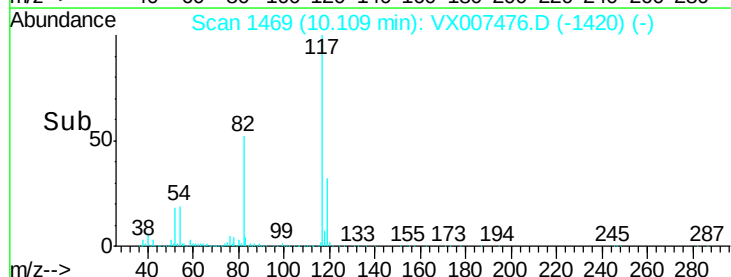


Abundance Ion 116.90 (116.60 to 117.60): VX007476.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007476.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007476.D (-1420) (-)

Time-->

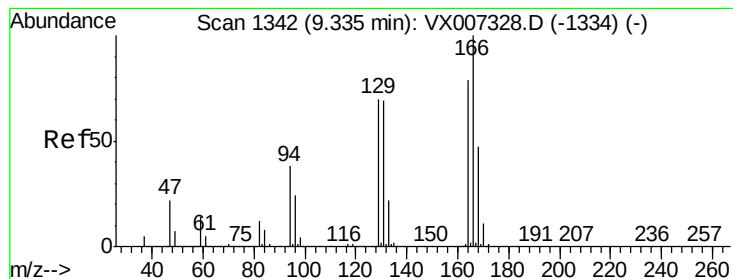


Abundance Ion 116.90 (116.60 to 117.60): VX007476.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007476.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007476.D (-1420) (-)

Time-->



#64

Tetrachloroethene

Concen: 5.366 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007476.D

Acq: 11 Feb 2019 18:52

Instrument :

MSVOA_X

ClientSampled :

B-23-OW

Tot Ion:164 Resp: 38784

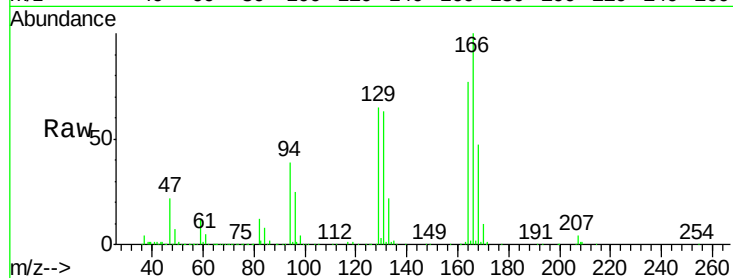
Ion Ratio Lower Upper

164 100

166 129.6 101.0 151.4

129 83.6 70.5 105.7

131 81.6 69.8 104.6

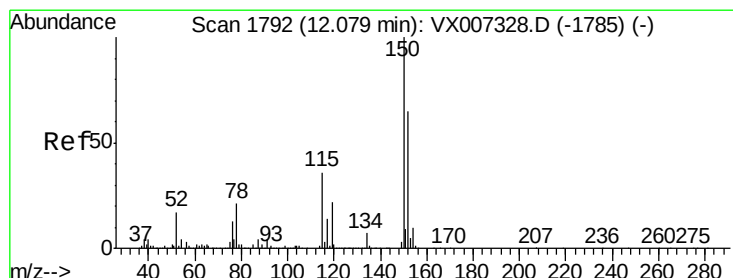
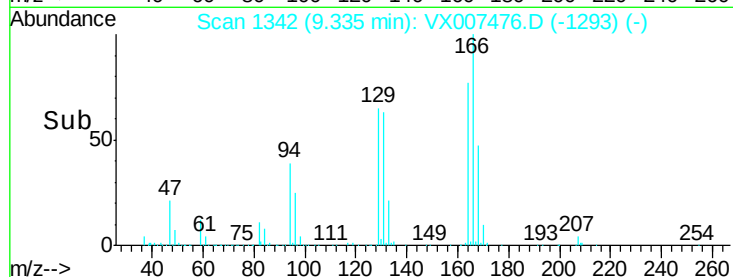
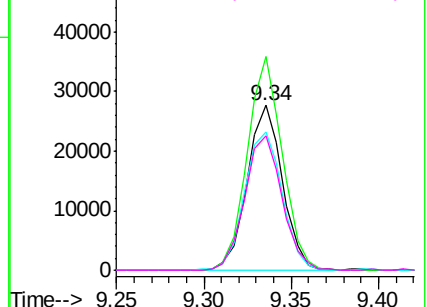


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX007476.D

Acq: 11 Feb 2019 18:52

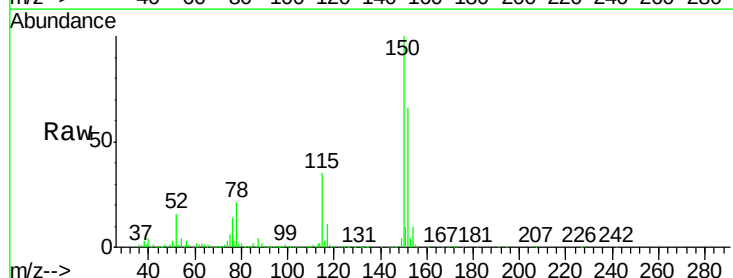
Tgt Ion:152 Resp: 379518

Ion Ratio Lower Upper

152 100

115 55.4 38.0 114.0

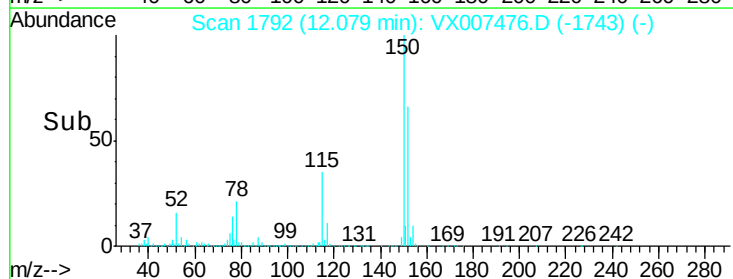
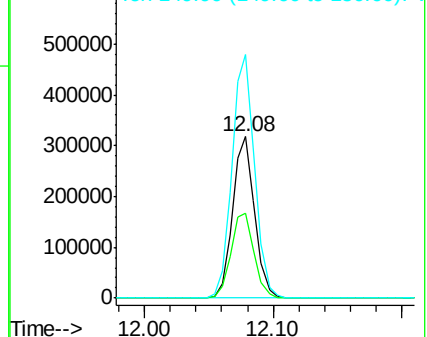
150 155.7 0.0 346.4

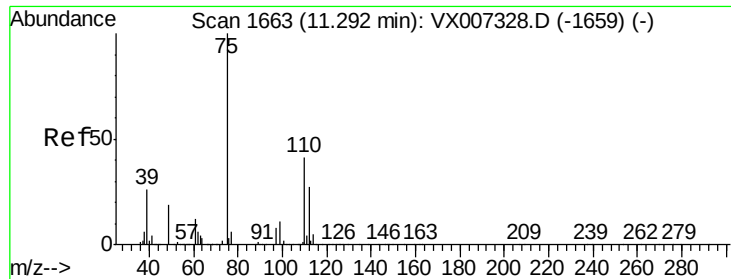


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

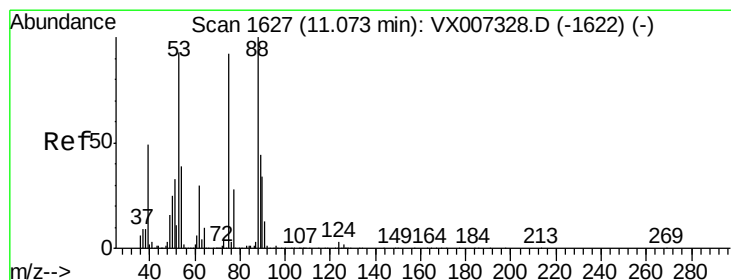
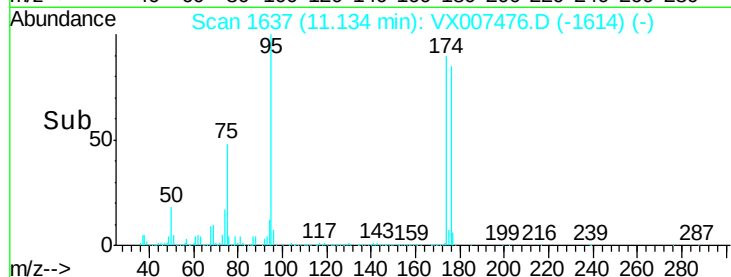
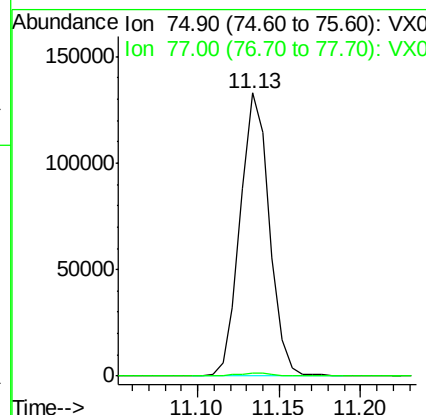
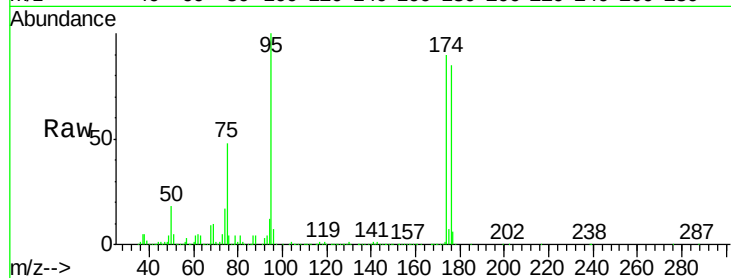




#76
 1,2,3-Trichloropropane
 Concen: 22.491 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007476.D
 Acq: 11 Feb 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 B-23-OW

Tot Ion: 75 Resp: 166033
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.0 69.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.868 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007476.D
 Acq: 11 Feb 2019 18:52

Tgt Ion: 75 Resp: 166033
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.0 41.4 62.0#

