

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008293.D
 Acq On : 21 Mar 2019 16:12
 Operator : JC/SP
 Sample : K1963-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP03-20190314

Quant Time: Mar 22 08:44:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	458698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	381455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152638	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	193923	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
35) Dibromofluoromethane	5.50	113	147007	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.71	98	559902	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	175087	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	

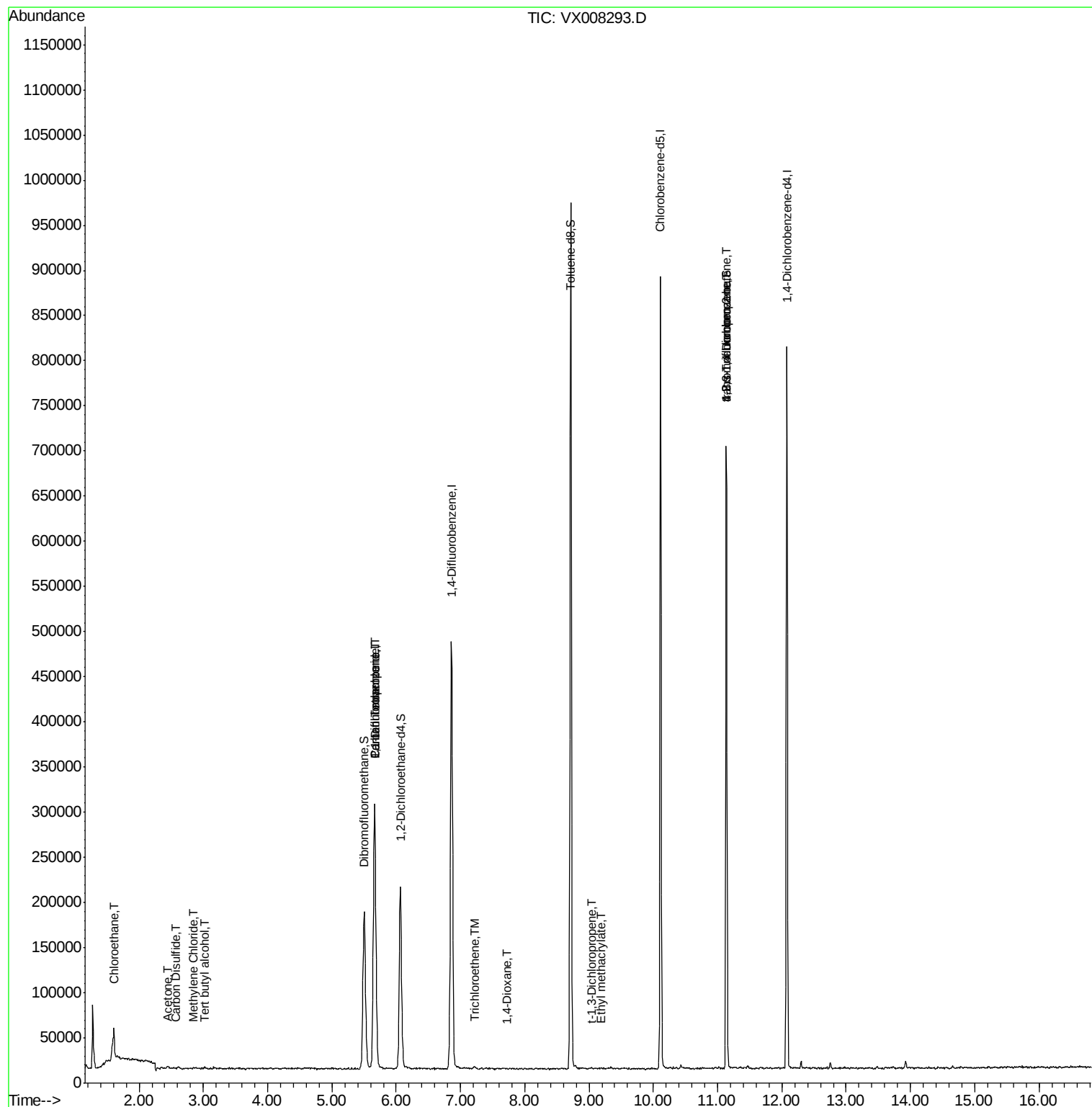
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	32241	12.144	ug/l #	55
11) Tert butyl alcohol	3.03	59	732	0.813	ug/l #	27
13) Acrolein	2.29	56	231	Below Cal		100
16) Acetone	2.45	43	3168	1.329	ug/l #	78
17) Carbon Disulfide	2.57	76	983	0.763	ug/l #	36
20) Methylene Chloride	2.85	84	811	0.204	ug/l	86
36) 1,1-Dichloropropene	5.66	75	22504	4.214	ug/l #	51
38) Carbon Tetrachloride	5.67	117	27121	5.700	ug/l #	17
44) Trichloroethene	7.23	130	895	0.232	ug/l	90
49) 1,4-Dioxane	7.73	88	91	0.958	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	132	1.442	ug/l #	71
56) Ethyl methacrylate	9.19	69	177	0.552	ug/l #	39
76) 1,2,3-Trichloropropane	11.13	75	92688	21.590	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	92688	54.894	ug/l #	11

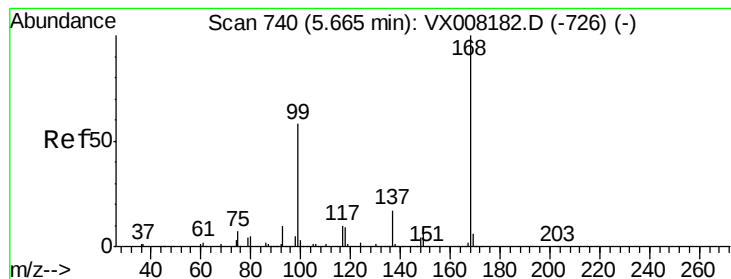
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

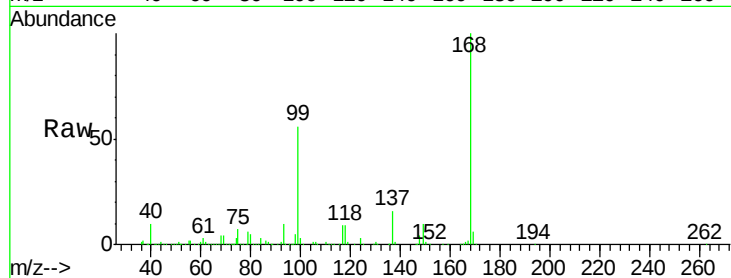
BP-DUP03-20190314

Tot Ion:168 Resp: 279153

Ion Ratio Lower Upper

168 100

99 55.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

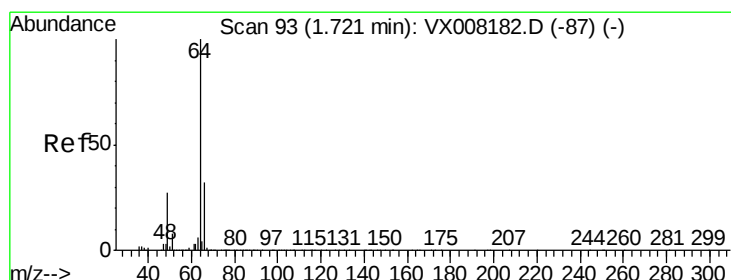
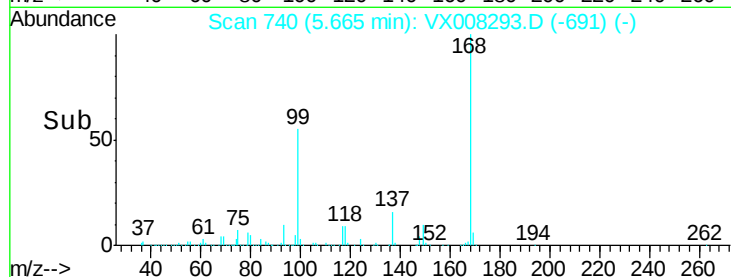
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 12.144 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.12 min

Lab File: VX008293.D

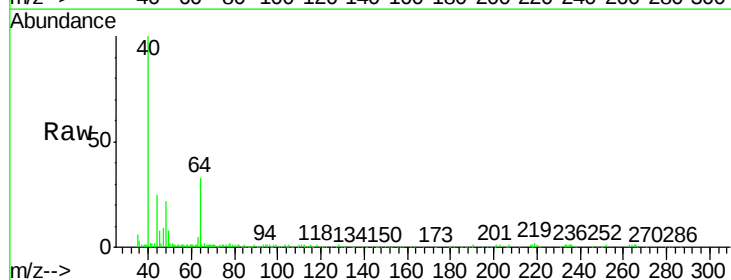
Acq: 21 Mar 2019 16:12

Tgt Ion: 64 Resp: 32241

Ion Ratio Lower Upper

64 100

66 6.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.60

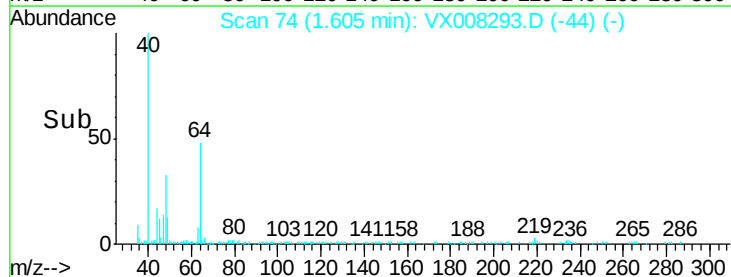
6000

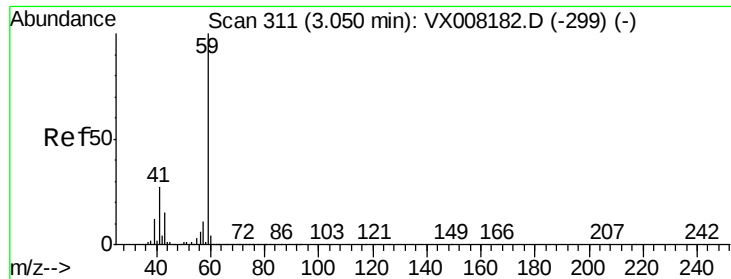
4000

2000

0

Time--> 1.40 1.50 1.60 1.70

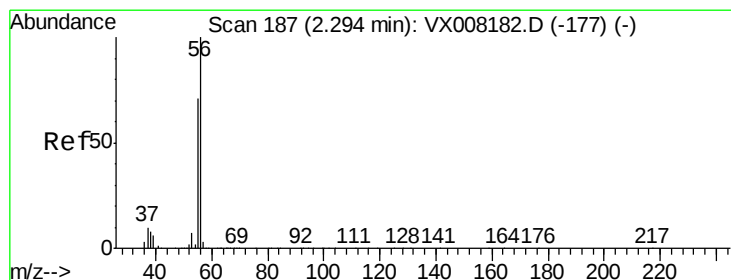
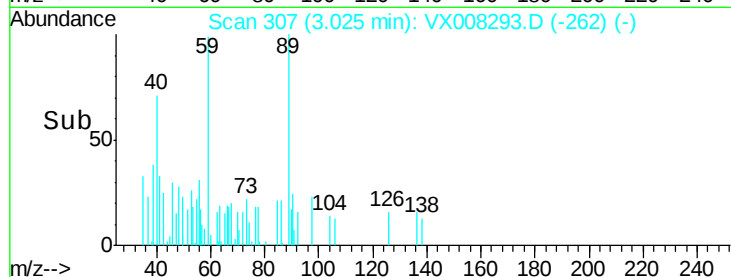
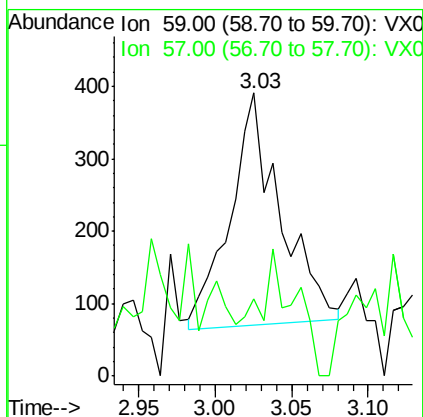
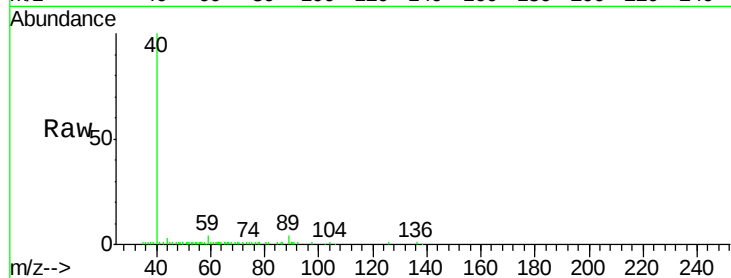




#11
Tert butyl alcohol
Concen: 0.813 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008293.D
Acq: 21 Mar 2019 16:12

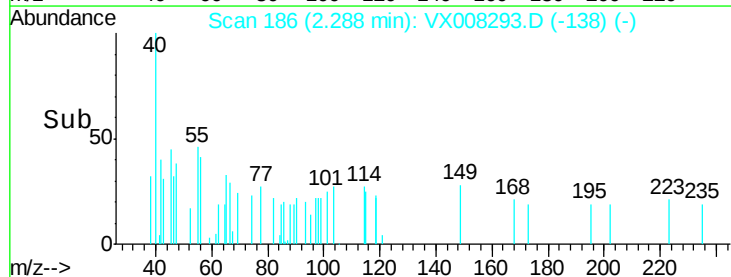
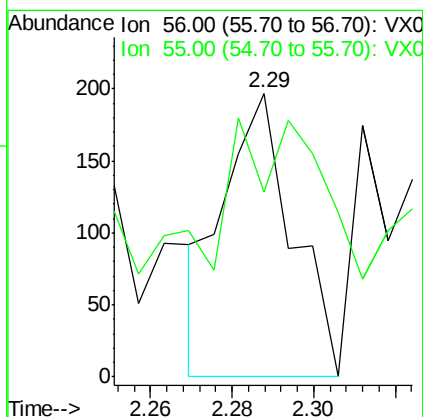
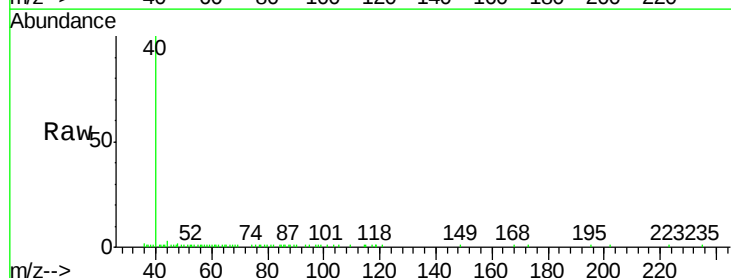
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP03-20190314

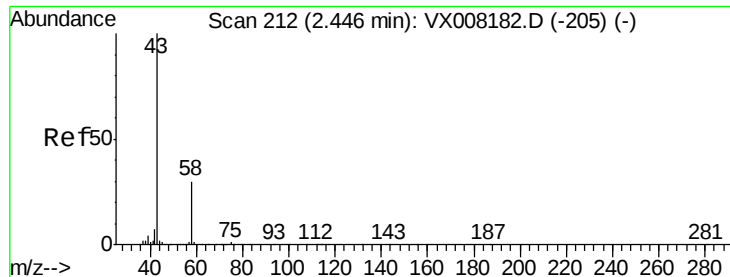
Tot Ion: 59 Resp: 732
Ion Ratio Lower Upper
59 100
57 37.4 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008293.D
Acq: 21 Mar 2019 16:12

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 71.9 57.8 86.6





#16

Acetone

Concen: 1.329 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

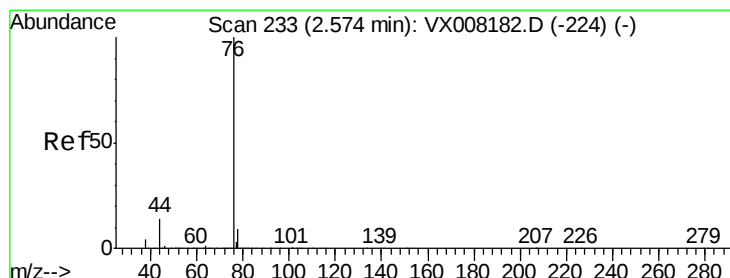
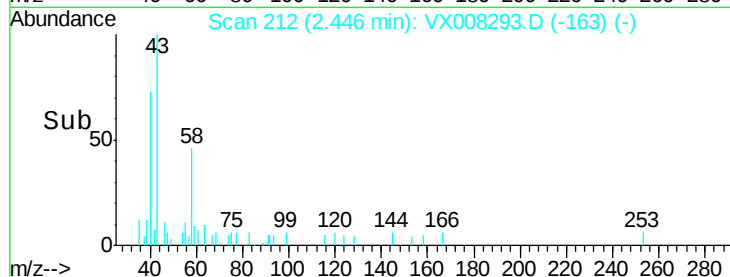
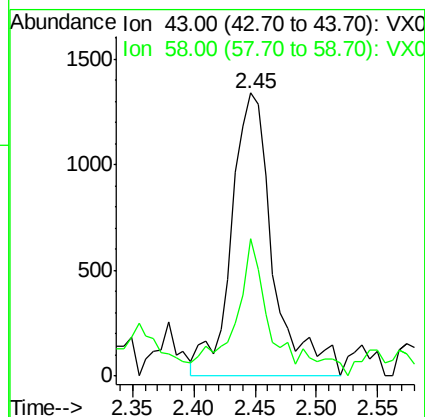
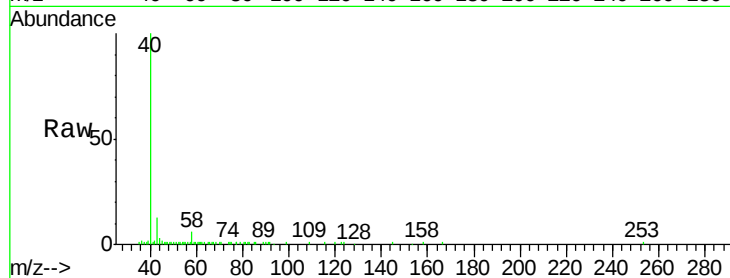
BP-DUP03-20190314

Tot Ion: 43 Resp: 3168

Ion Ratio Lower Upper

43 100

58 44.0 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.763 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008293.D

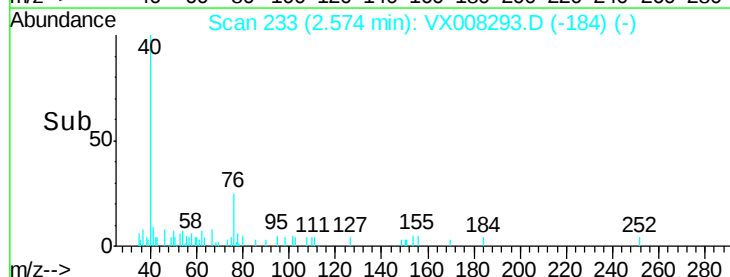
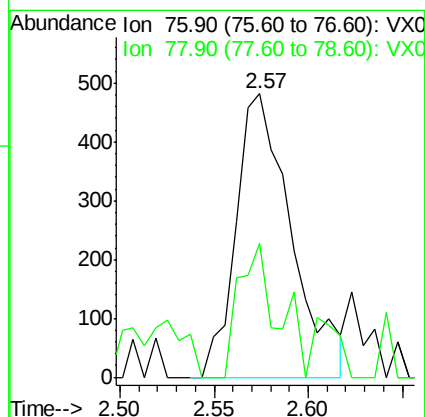
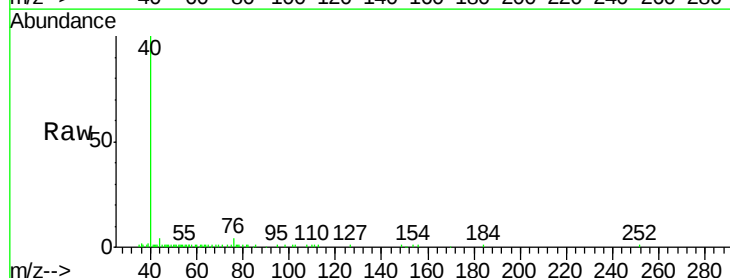
Acq: 21 Mar 2019 16:12

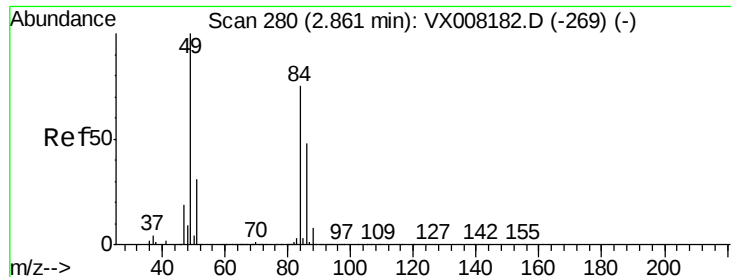
Tgt Ion: 76 Resp: 983

Ion Ratio Lower Upper

76 100

78 32.2 7.2 10.8#





#20

Methylene Chloride

Concen: 0.204 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190314

Tot Ion: 84 Resp: 811

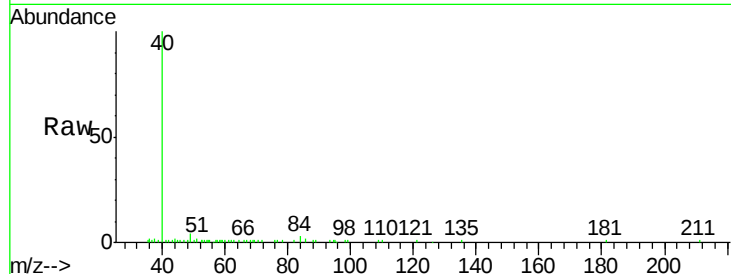
Ion Ratio Lower Upper

84 100

49 104.2 99.3 148.9

51 37.1 31.3 46.9

86 55.7 52.6 79.0

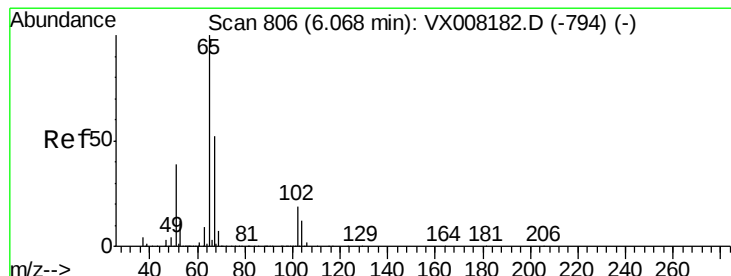
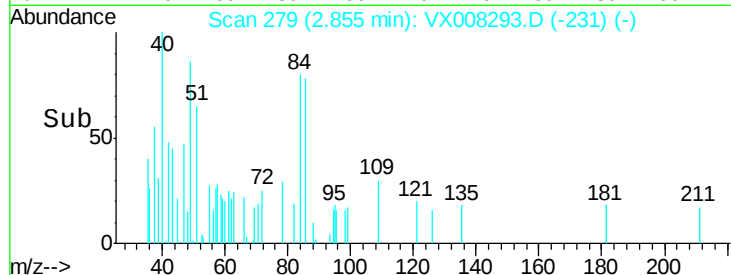
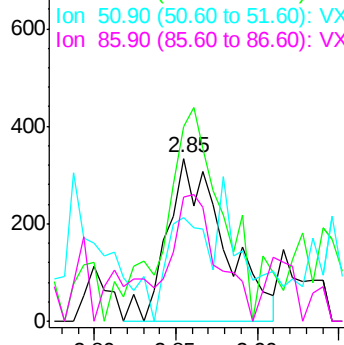


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.125 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008293.D

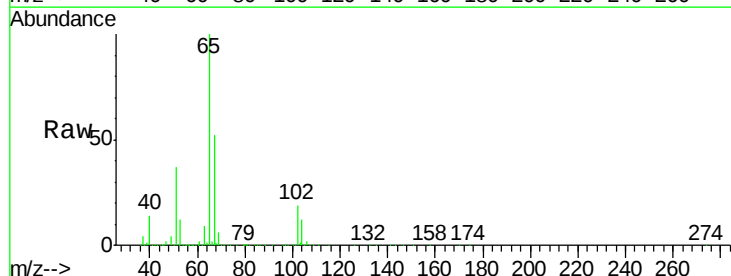
Acq: 21 Mar 2019 16:12

Tgt Ion: 65 Resp: 193923

Ion Ratio Lower Upper

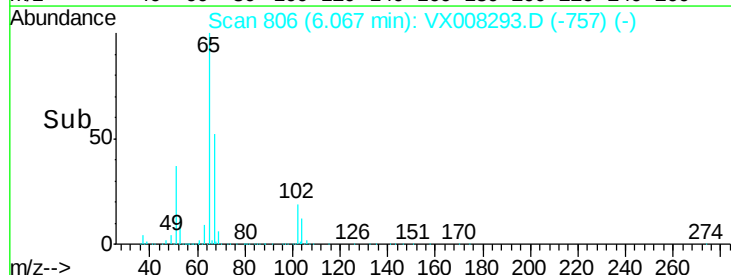
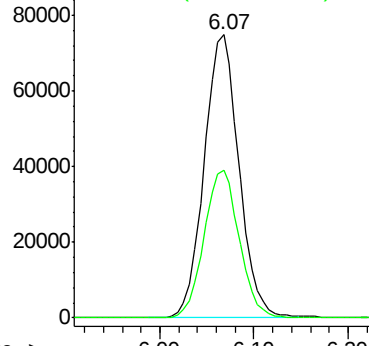
65 100

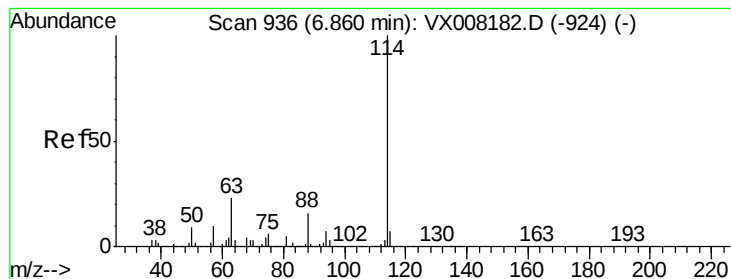
67 52.7 0.0 110.0



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: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190314

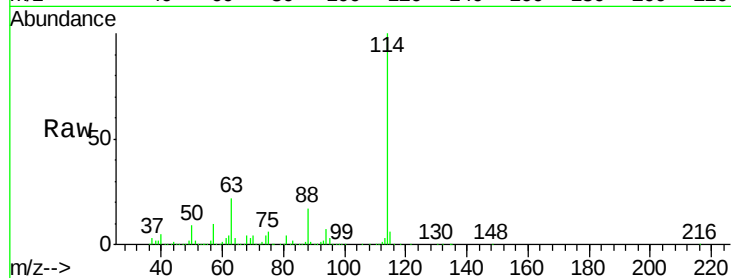
Tot Ion:114 Resp: 458698

Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.8

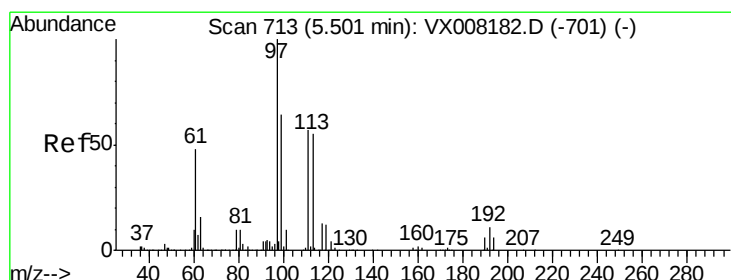
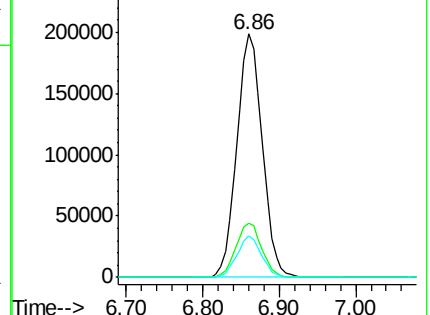
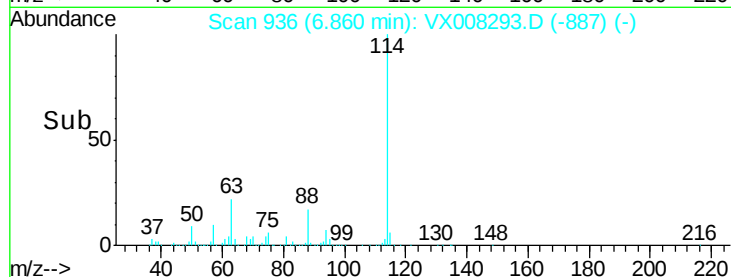
88 16.8 0.0 31.4



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: 47.874 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

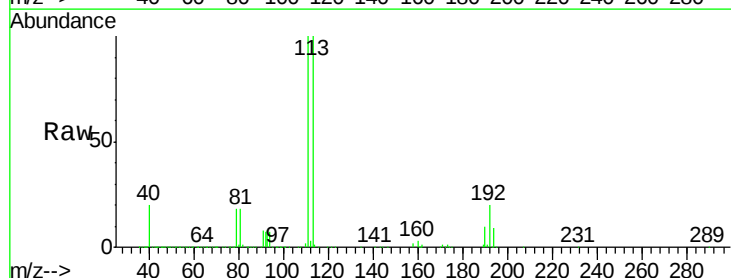
Tgt Ion:113 Resp: 147007

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

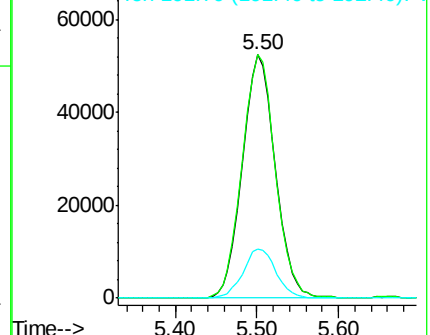
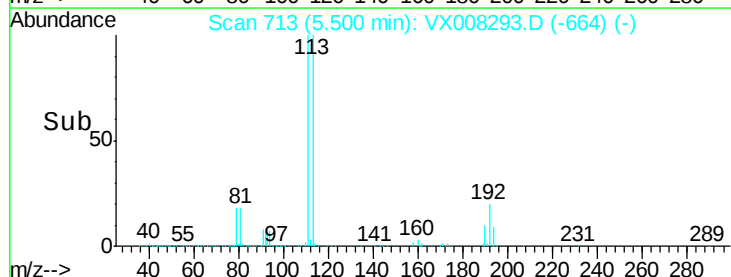
192 20.4 19.4 29.0

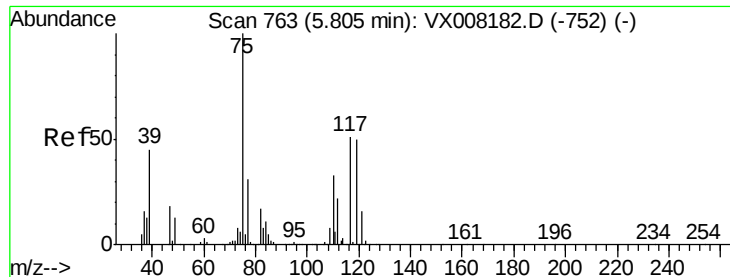


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

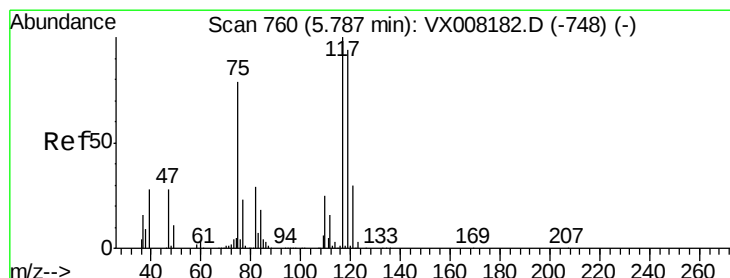
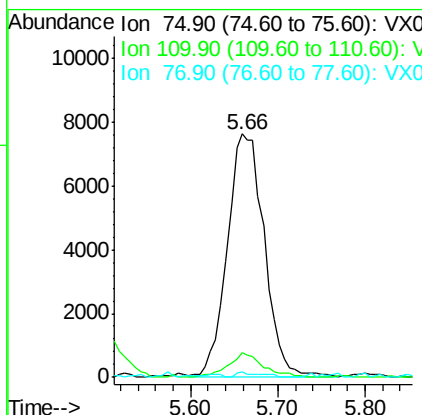
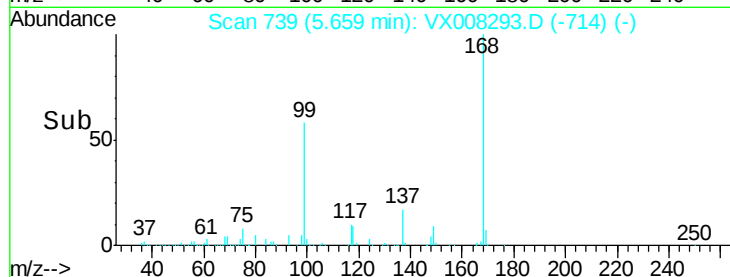
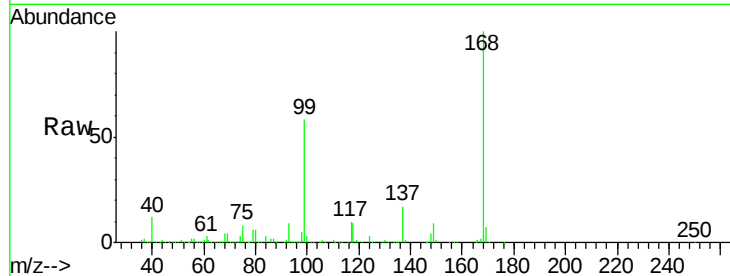




#36
 1,1-Dichloropropene
 Concen: 4.214 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.15 min
 Lab File: VX008293.D
 Acq: 21 Mar 2019 16:12

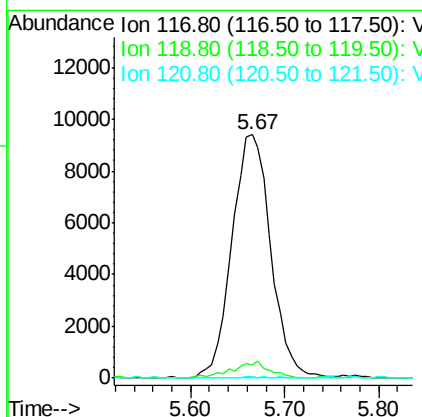
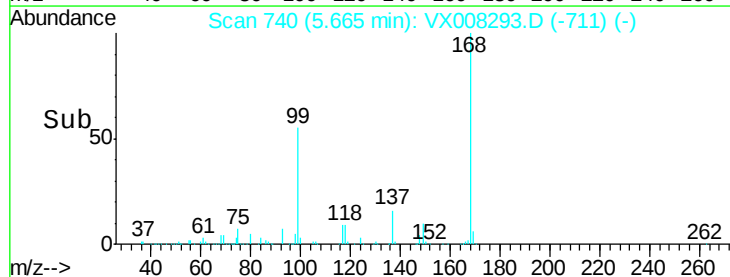
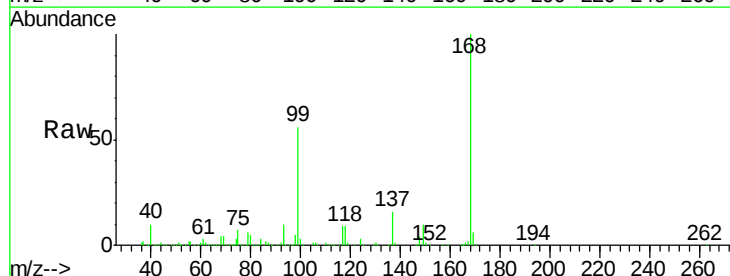
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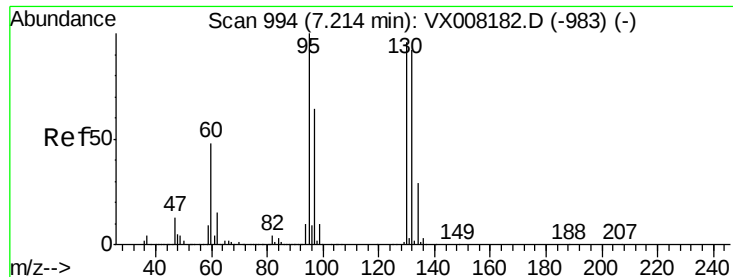
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.4	55.0#
77	1.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.700 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008293.D
 Acq: 21 Mar 2019 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.2	114.2#
121	0.8	24.6	36.8#





#44

Trichloroethene

Concen: 0.232 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

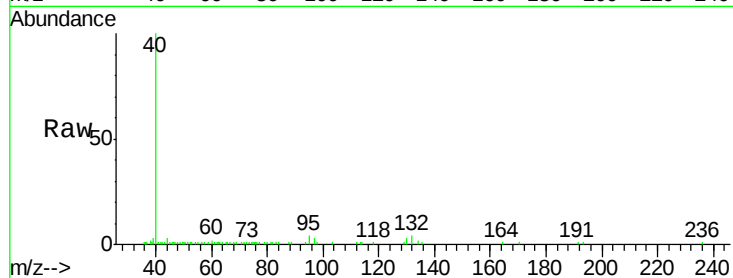
BP-DUP03-20190314

Tot Ion:130 Resp: 895

Ion Ratio Lower Upper

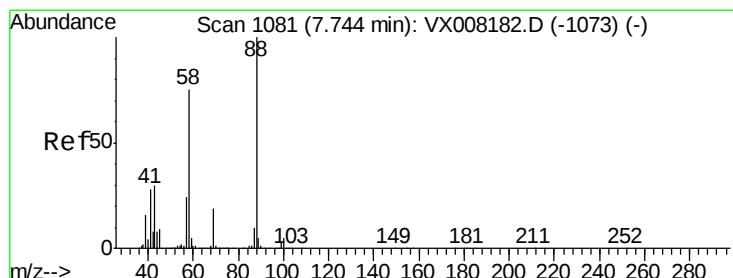
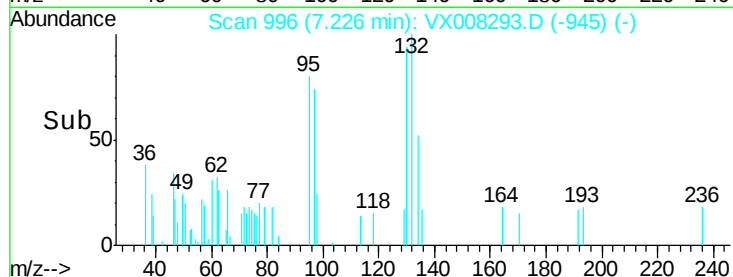
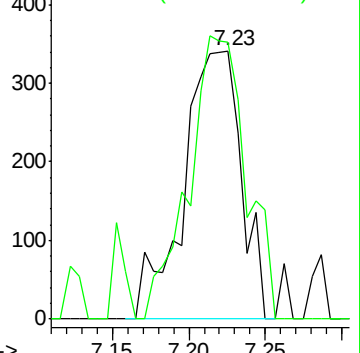
130 100

95 103.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.958 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

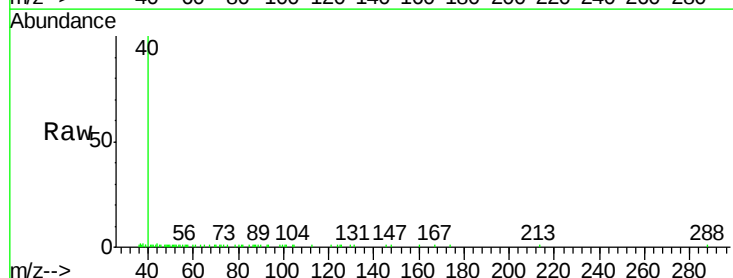
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 219.8 25.1 37.7#

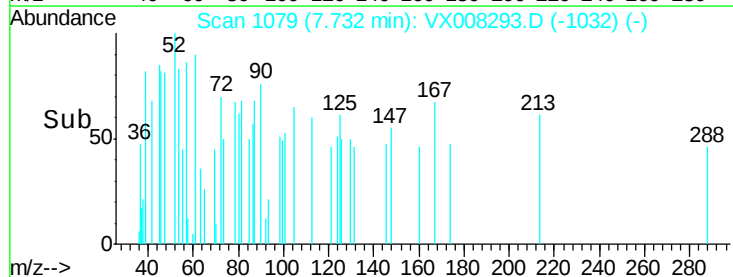
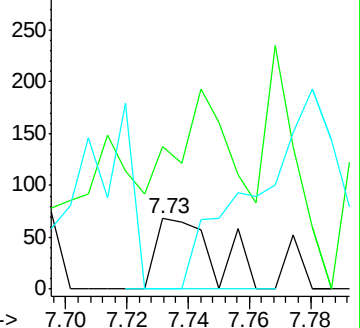
58 0.0 57.8 86.6#

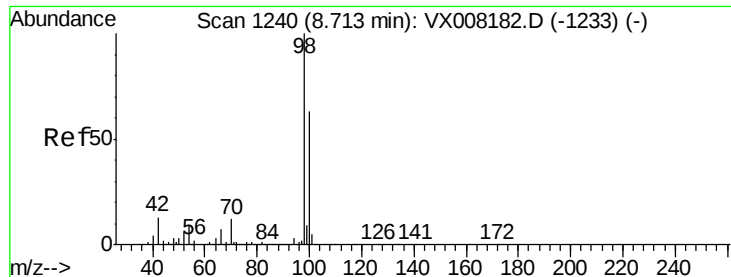


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

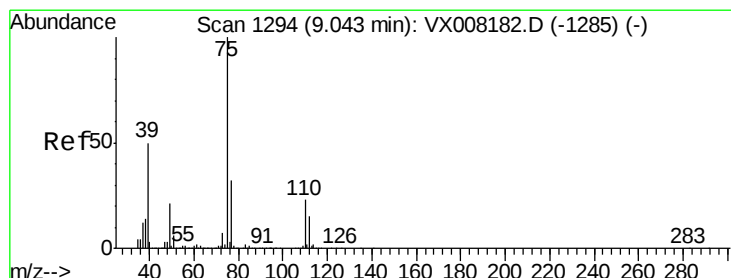
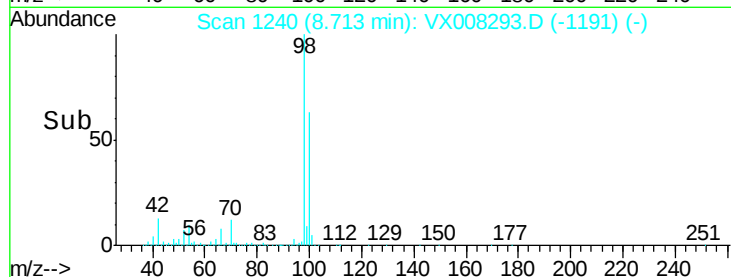
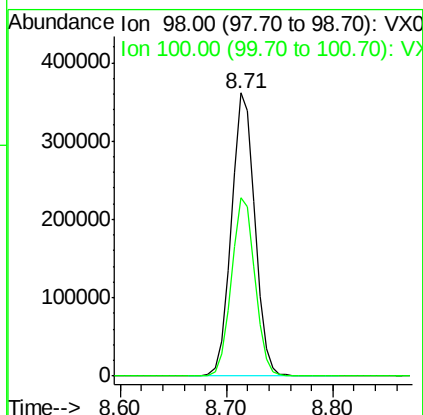
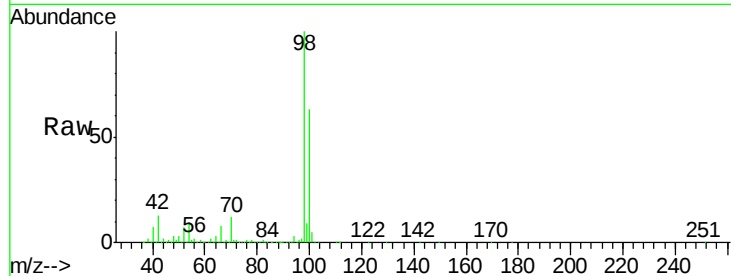




#50
Toluene-d8
Concen: 48.093 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008293.D
Acq: 21 Mar 2019 16:12

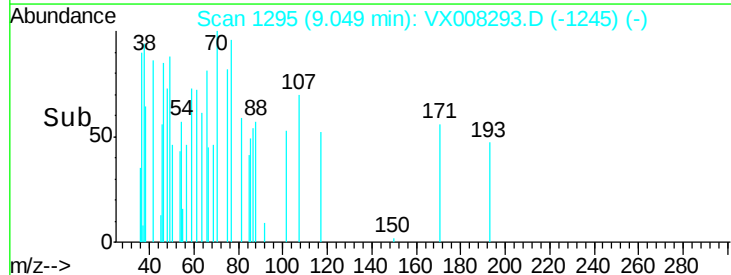
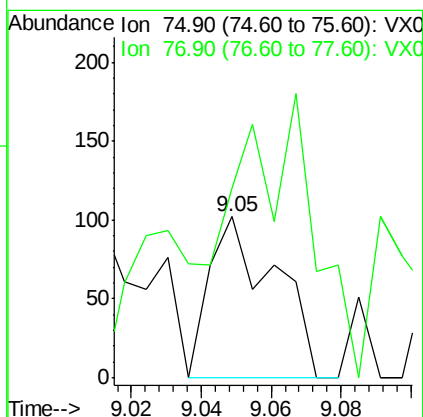
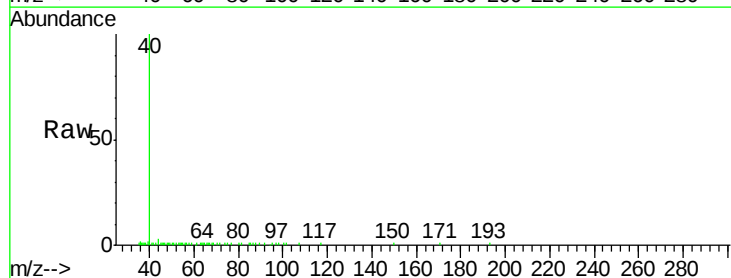
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP03-20190314

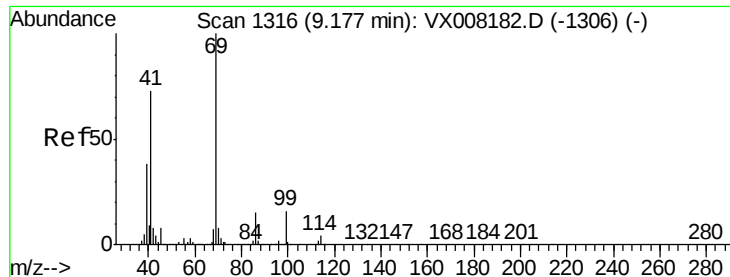
Tot Ion: 98 Resp: 559902
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.442 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX008293.D
Acq: 21 Mar 2019 16:12

Tgt Ion: 75 Resp: 132
Ion Ratio Lower Upper
75 100
77 48.0 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.552 ug/l

RT: 9.19 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190314

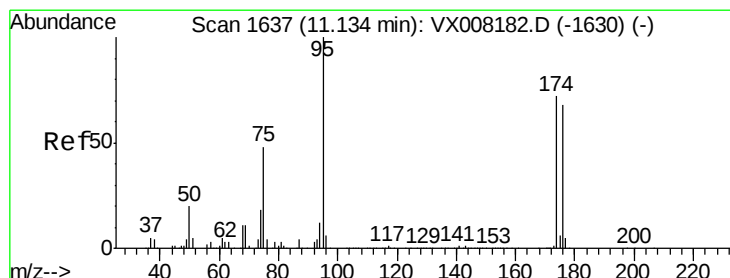
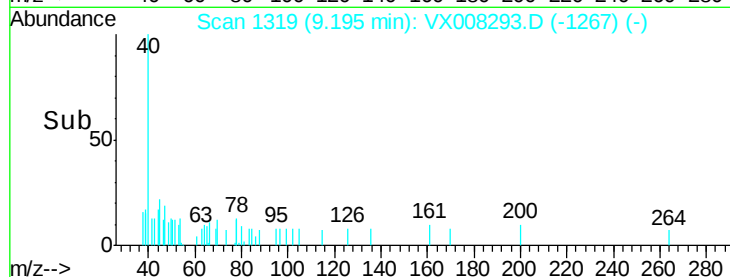
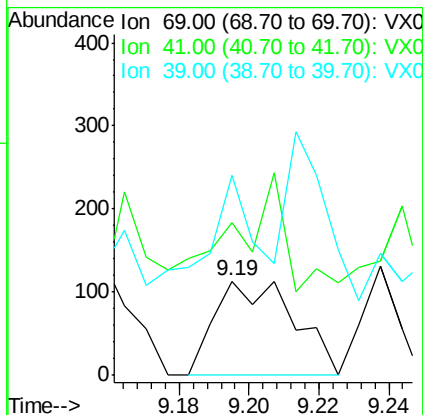
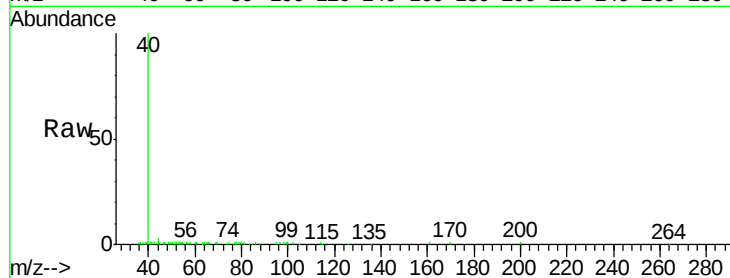
Tot Ion: 69 Resp: 177

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

39 37.9 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 43.678 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

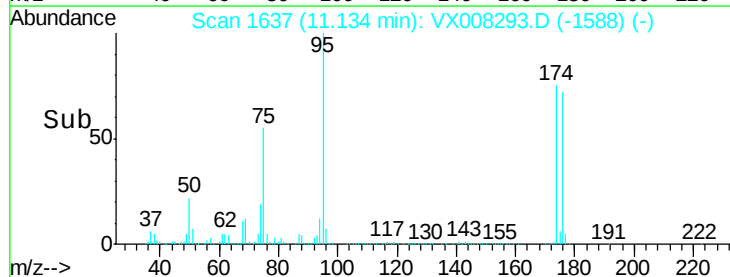
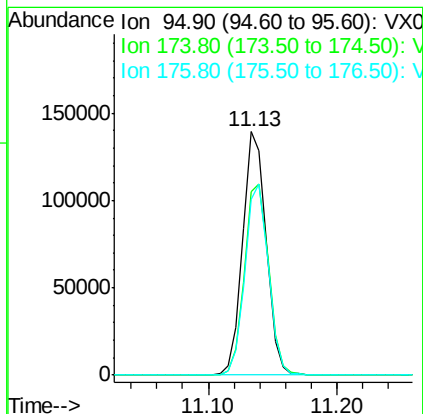
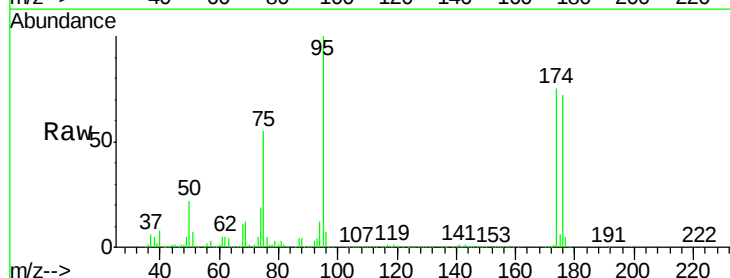
Tgt Ion: 95 Resp: 175087

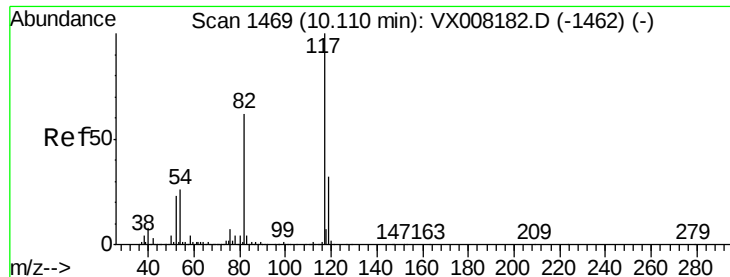
Ion Ratio Lower Upper

95 100

174 80.6 0.0 182.8

176 78.4 0.0 178.0

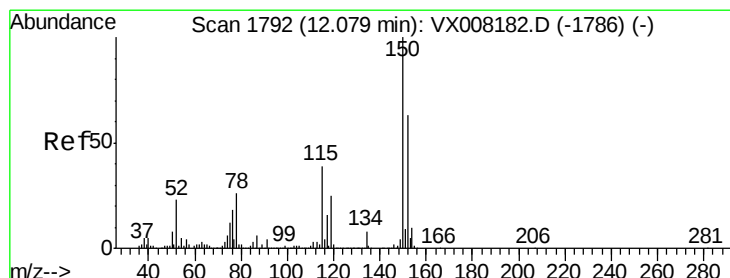
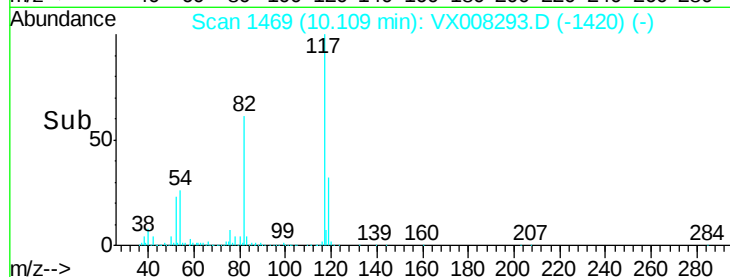
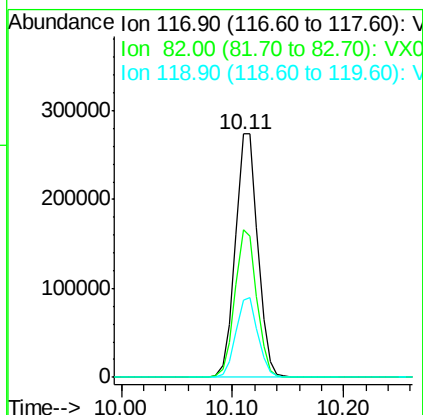
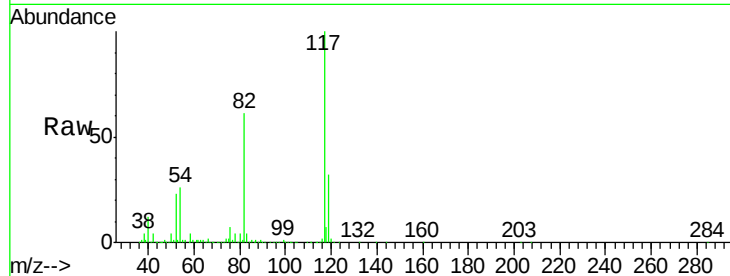




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008293.D
Acq: 21 Mar 2019 16:12

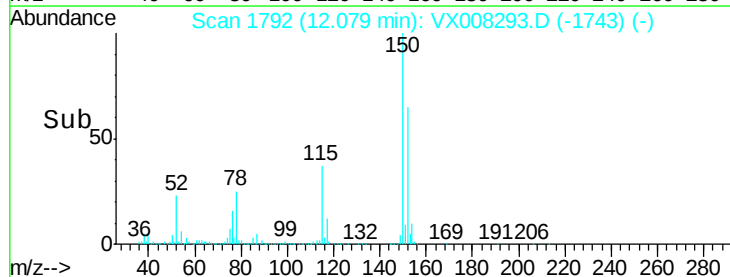
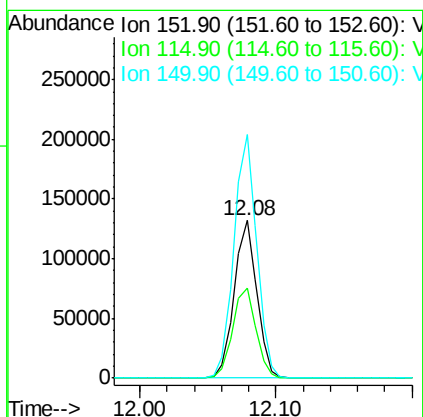
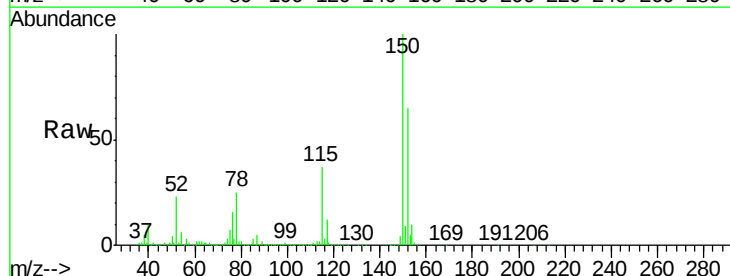
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP03-20190314

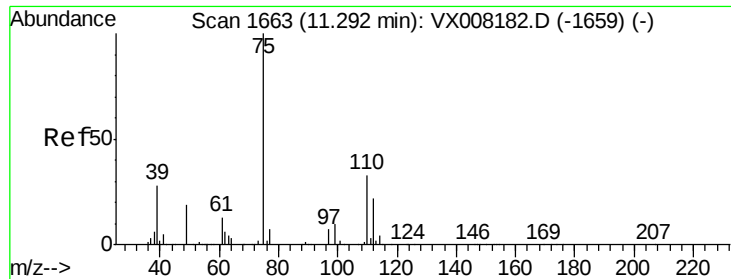
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	44.3	66.5
119	31.9	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008293.D
Acq: 21 Mar 2019 16:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	38.6	115.7
150	155.9	0.0	348.4

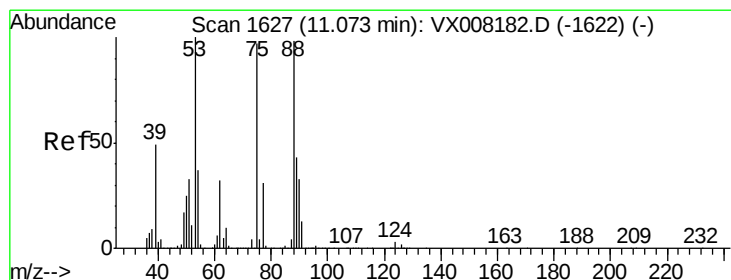
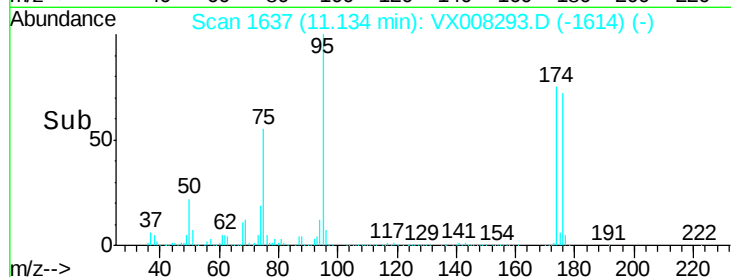
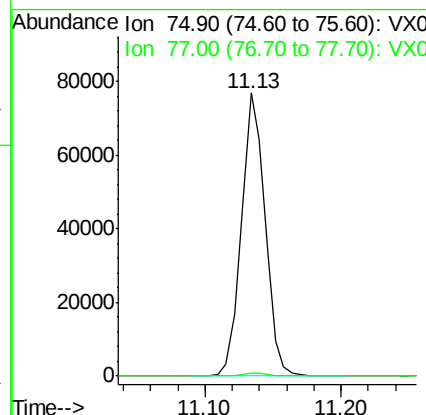
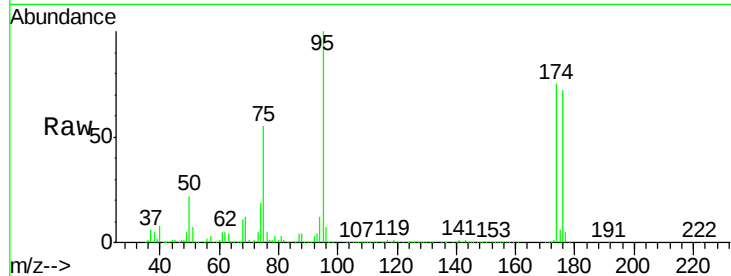




#76
 1,2,3-Trichloropropane
 Concen: 21.590 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008293.D
 Acq: 21 Mar 2019 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP03-20190314

Tot Ion: 75 Resp: 92688
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.894 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008293.D
 Acq: 21 Mar 2019 16:12

Tgt Ion: 75 Resp: 92688
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.1 36.3 54.5#

