

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008297.D
 Acq On : 21 Mar 2019 17:52
 Operator : JC/SP
 Sample : K1963-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP04-20190315

Quant Time: Mar 22 08:45:25 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	240623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142744	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	165053	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.50	113	125087	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
50) Toluene-d8	8.71	98	493444	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.13	95	159637	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

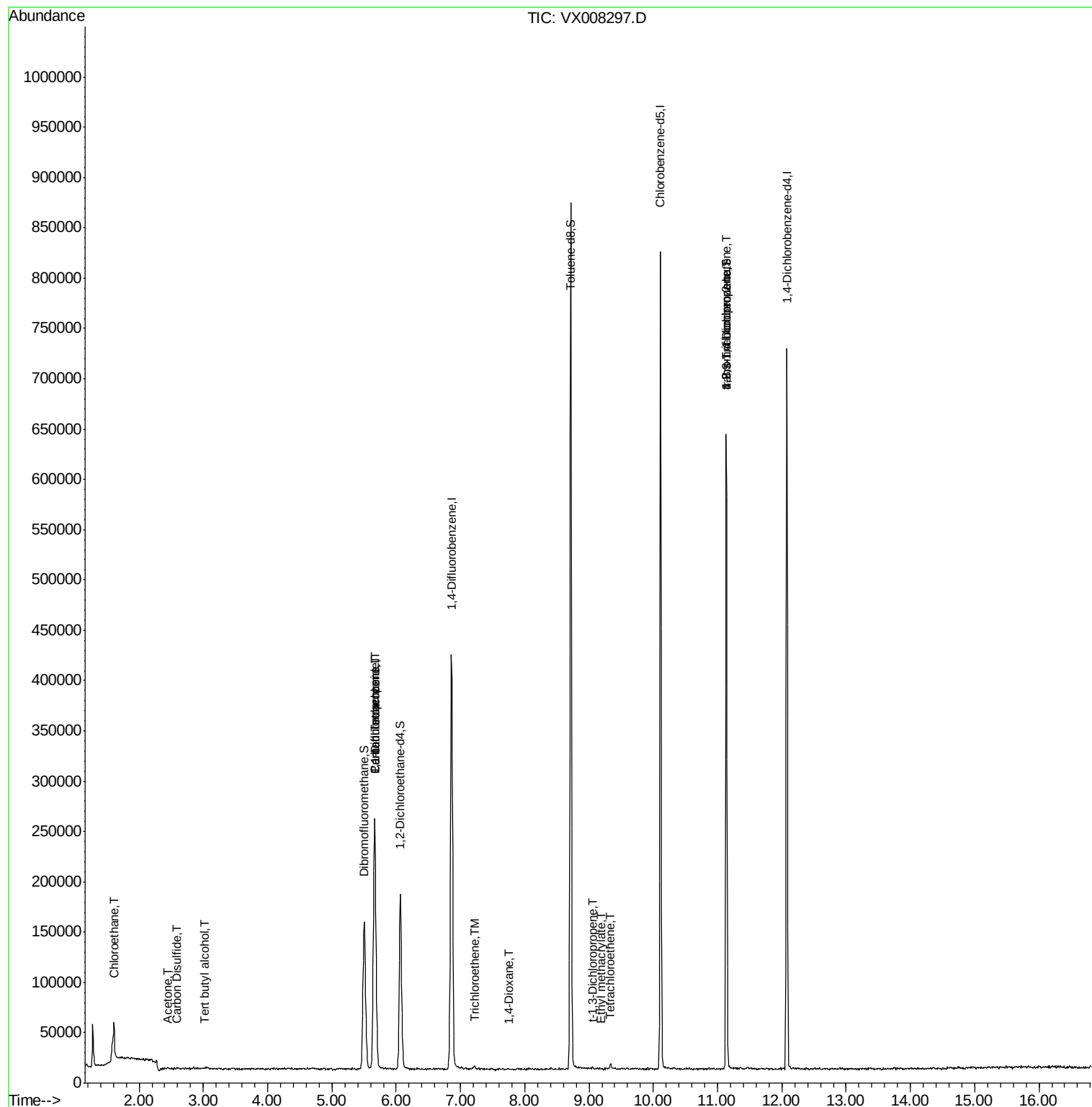
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	24458	10.688	ug/l #	50
11) Tert butyl alcohol	3.01	59	343	0.442	ug/l #	38
13) Acrolein	2.31	56	245	Below Cal	#	81
16) Acetone	2.44	43	906	0.441	ug/l #	52
17) Carbon Disulfide	2.58	76	837	0.762	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	18791	4.029	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23041	5.544	ug/l #	18
44) Trichloroethene	7.23	130	1386	0.411	ug/l	74
49) 1,4-Dioxane	7.76	88	63	0.760	ug/l #	1
53) t-1,3-Dichloropropene	9.06	75	77	1.436	ug/l #	83
56) Ethyl methacrylate	9.18	69	119	0.546	ug/l #	46
64) Tetrachloroethene	9.34	164	934	0.298	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	84095	20.946	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	84095	53.300	ug/l #	12

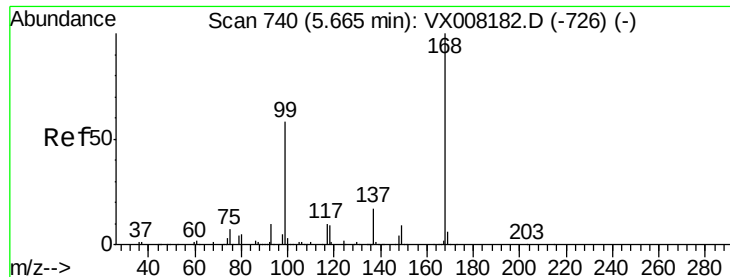
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

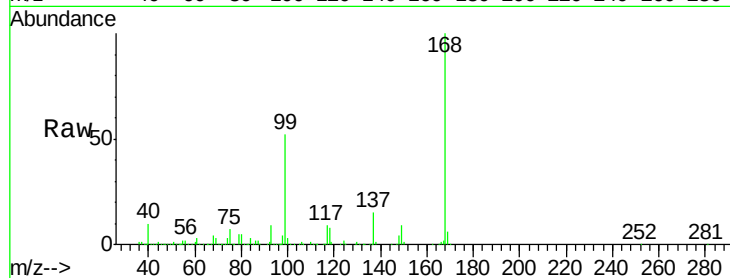
BP-DUP04-20190315

Tot Ion:168 Resp: 240623

Ion Ratio Lower Upper

168 100

99 51.9 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

80000

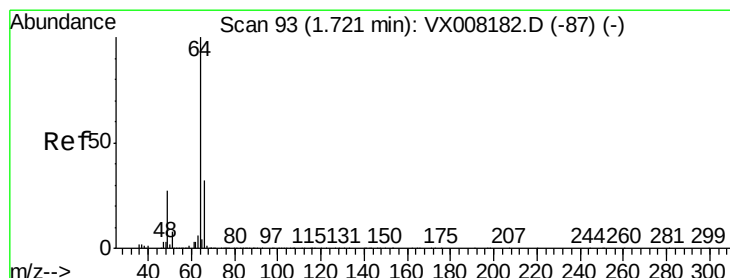
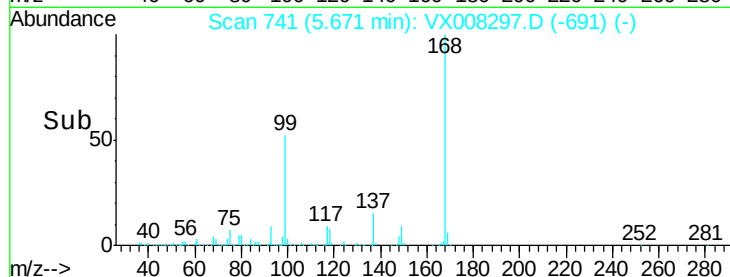
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 10.688 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008297.D

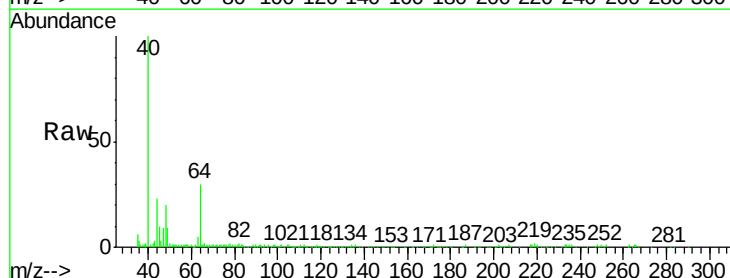
Acq: 21 Mar 2019 17:52

Tgt Ion: 64 Resp: 24458

Ion Ratio Lower Upper

64 100

66 3.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

6000

5000

4000

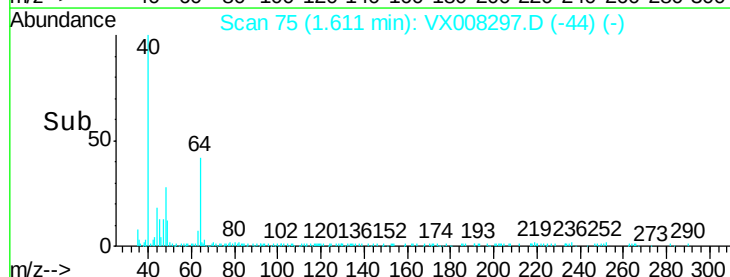
3000

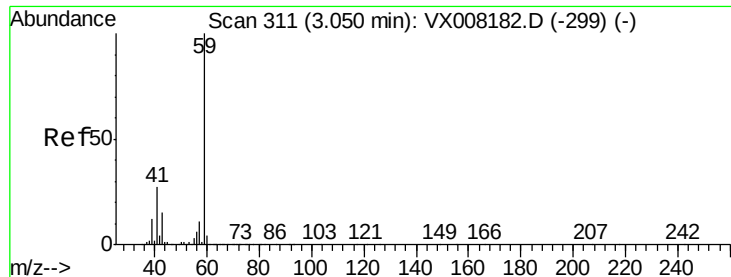
2000

1000

0

Time--> 1.40 1.50 1.60 1.70



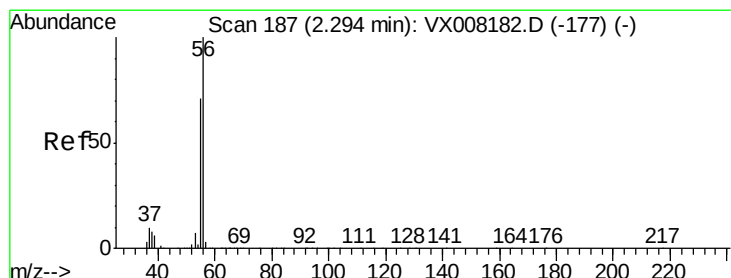
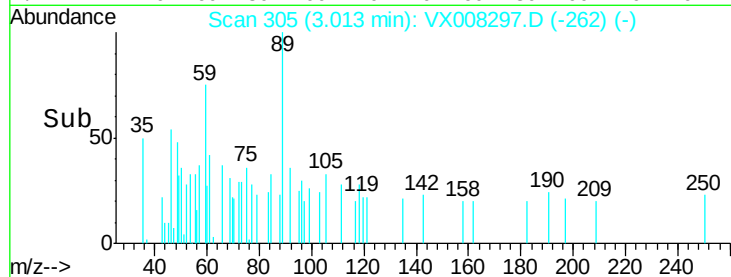
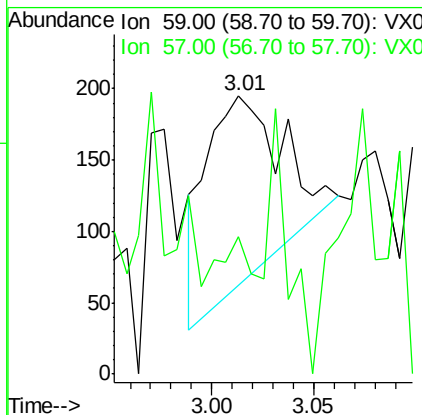
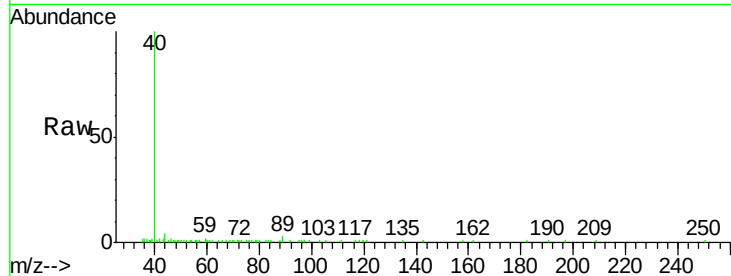


#11

Tert butyl alcohol
 Concen: 0.442 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX008297.D
 Acq: 21 Mar 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP04-20190315

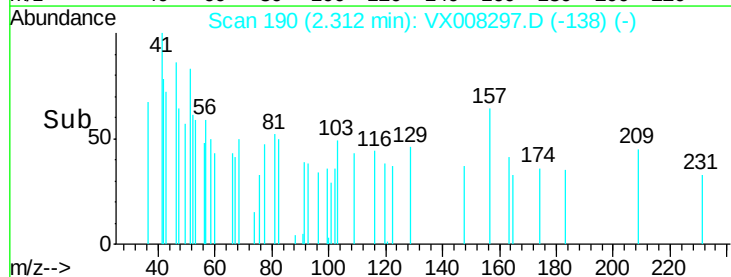
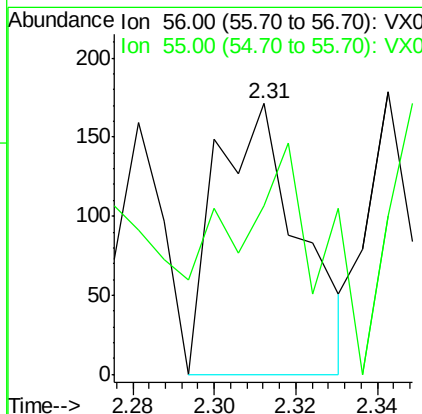
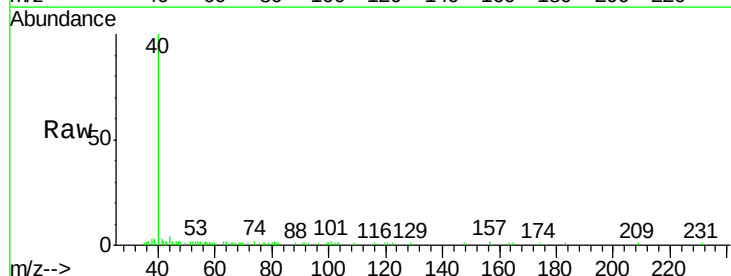
Tot Ion: 59 Resp: 343
 Ion Ratio Lower Upper
 59 100
 57 33.2 8.2 12.2#

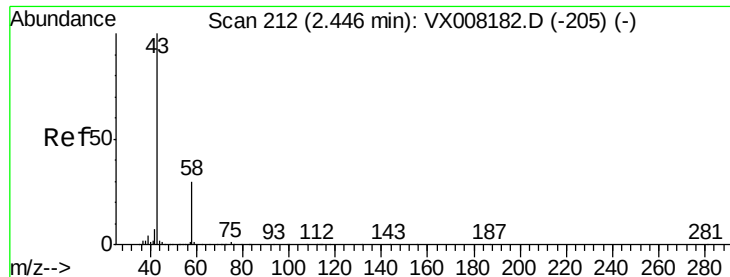


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VX008297.D
 Acq: 21 Mar 2019 17:52

Tgt Ion: 56 Resp: 245
 Ion Ratio Lower Upper
 56 100
 55 88.2 57.8 86.6#





#16

Acetone

Concen: 0.441 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

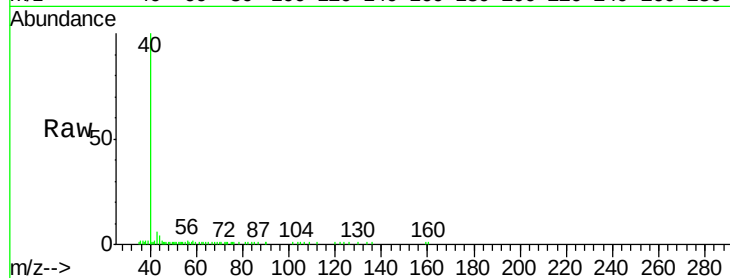
BP-DUP04-20190315

Tot Ion: 43 Resp: 906

Ion Ratio Lower Upper

43 100

58 5.2 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

500

400

300

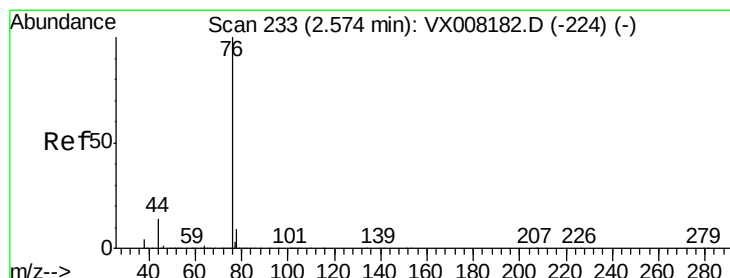
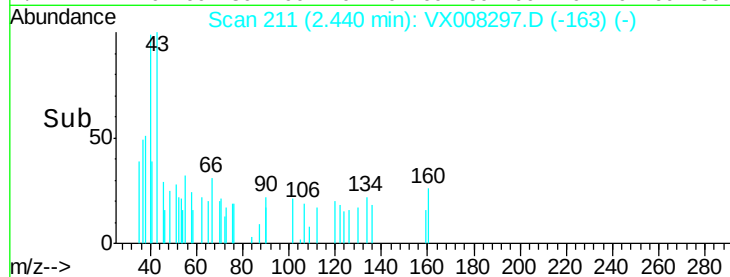
200

100

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.762 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008297.D

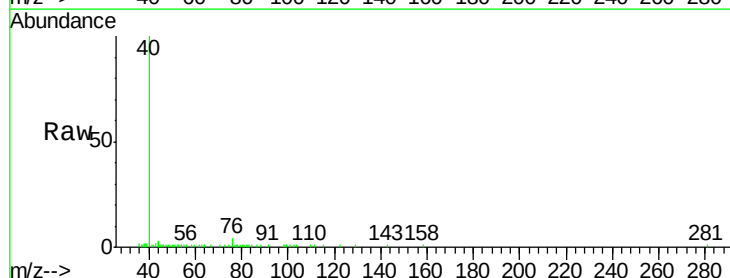
Acq: 21 Mar 2019 17:52

Tgt Ion: 76 Resp: 837

Ion Ratio Lower Upper

76 100

78 26.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

300

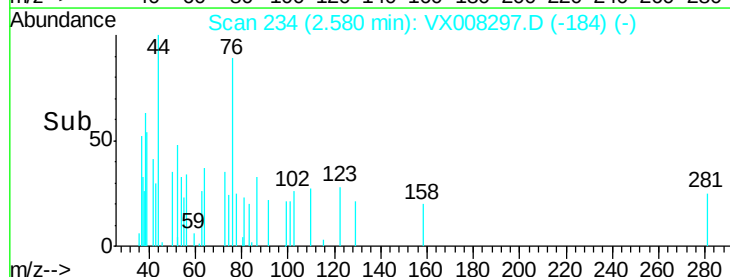
200

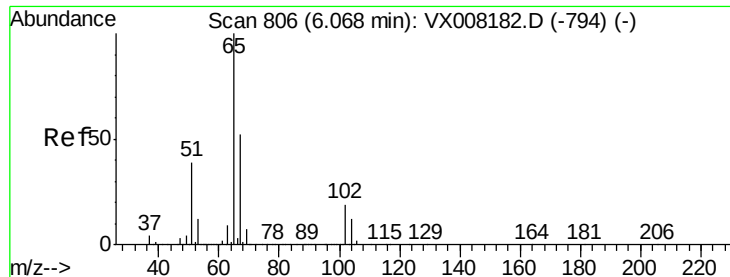
100

0

2.50 2.55 2.60 2.65

Time-->

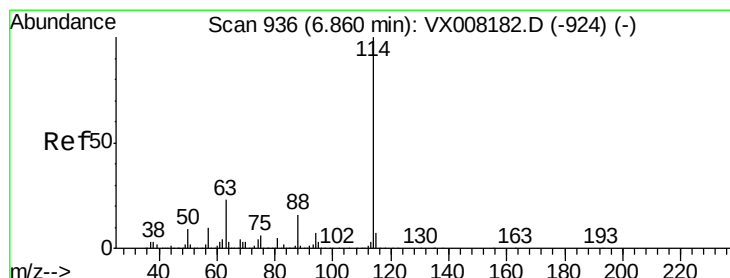
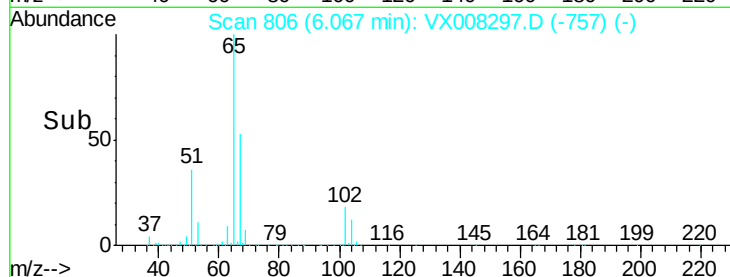
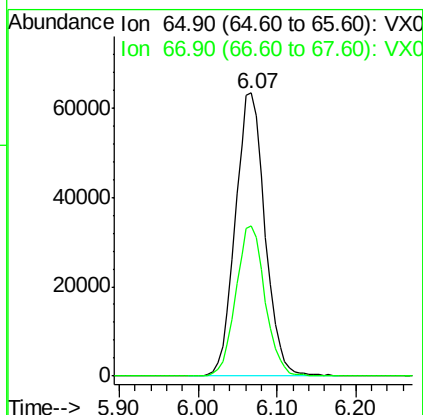
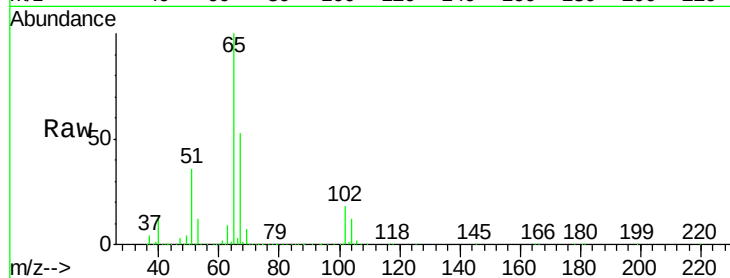




#33
 1,2-Dichloroethane-d4
 Concen: 45.544 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008297.D
 Acq: 21 Mar 2019 17:52

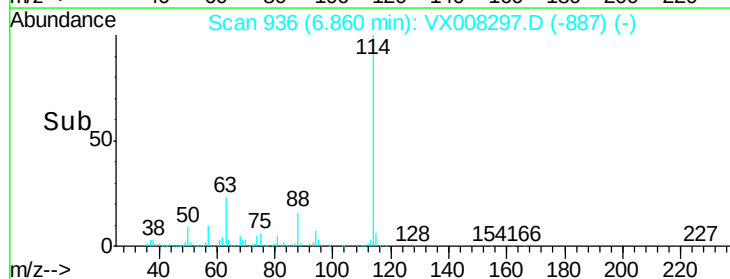
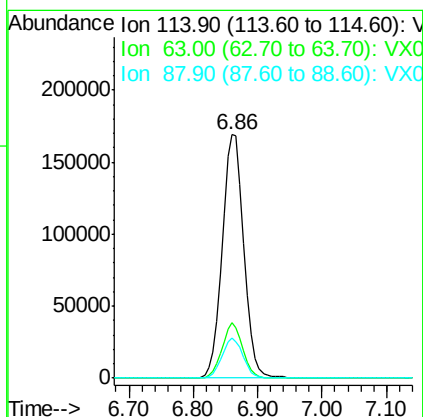
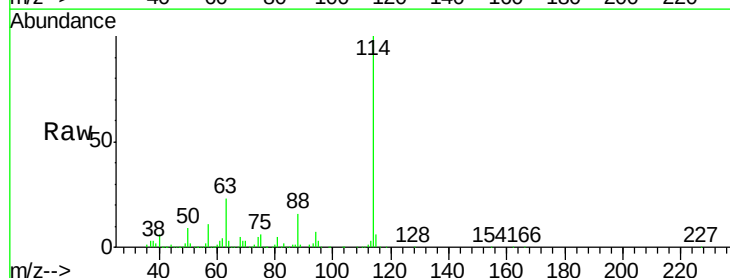
Instrument :
 MSVOA_X
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 BP-DUP04-20190315

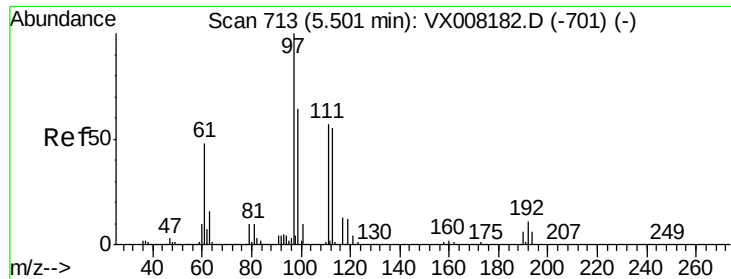
Tot Ion: 65 Resp: 165053
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008297.D
 Acq: 21 Mar 2019 17:52

Tgt Ion: 114 Resp: 400611
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 39.8
 88 16.2 0.0 31.4

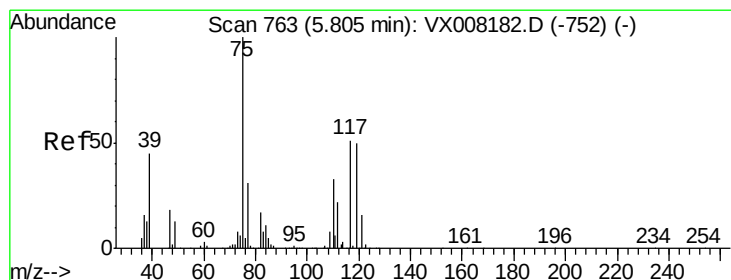
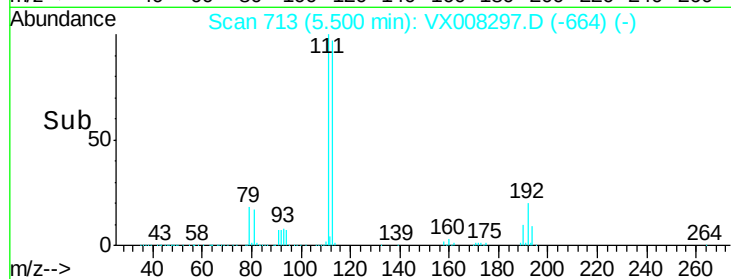
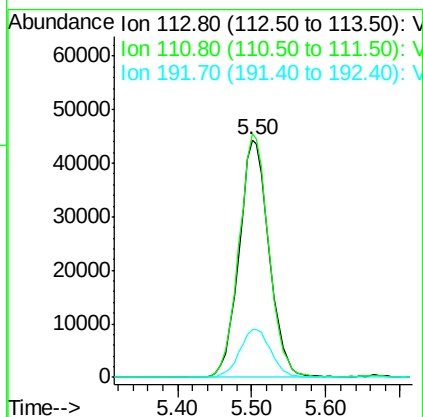
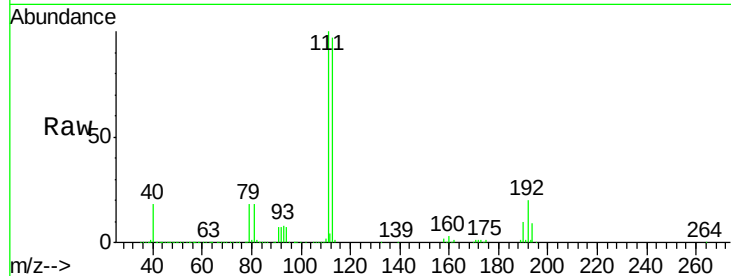




#35
Dibromofluoromethane
Concen: 46.642 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008297.D
Acq: 21 Mar 2019 17:52

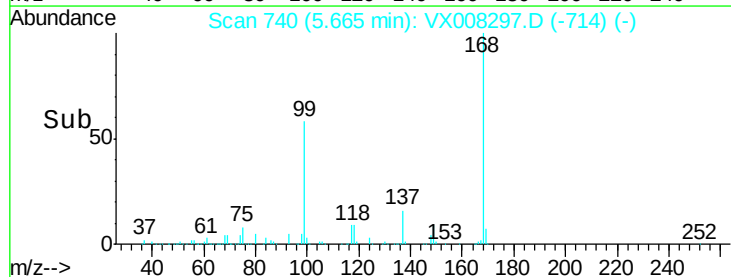
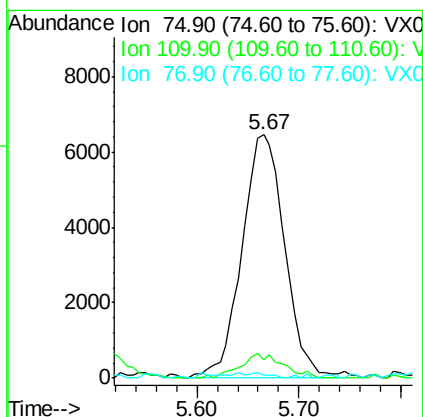
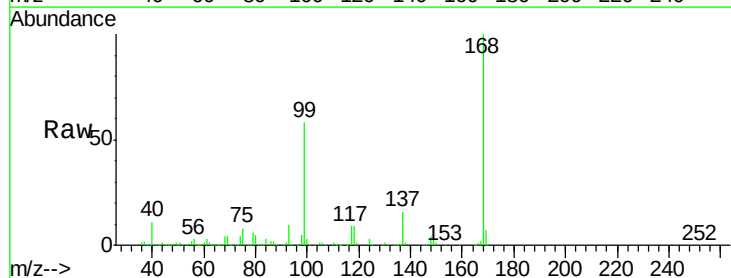
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20190315

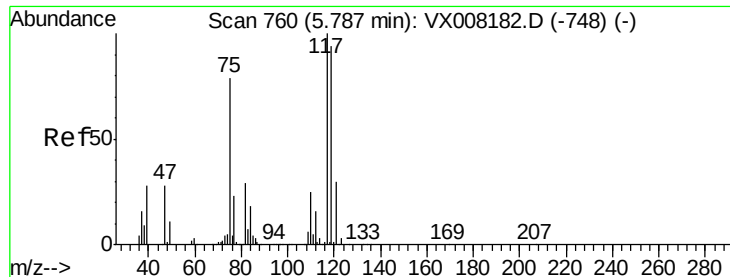
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	21.2	19.4	29.0



#36
1,1-Dichloropropene
Concen: 4.029 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.14 min
Lab File: VX008297.D
Acq: 21 Mar 2019 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.4	55.0#
77	1.5	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.544 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20190315

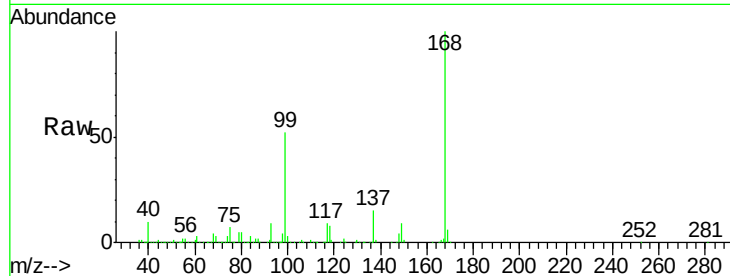
Tot Ion:117 Resp: 23041

Ion Ratio Lower Upper

117 100

119 7.2 76.2 114.2#

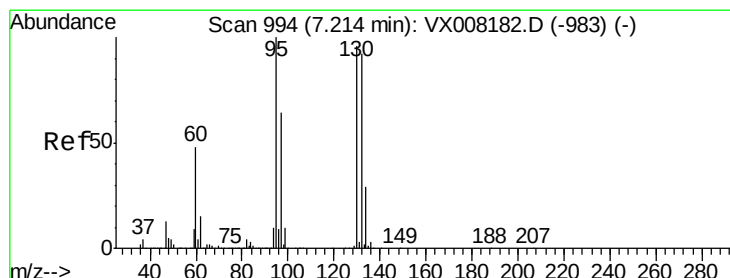
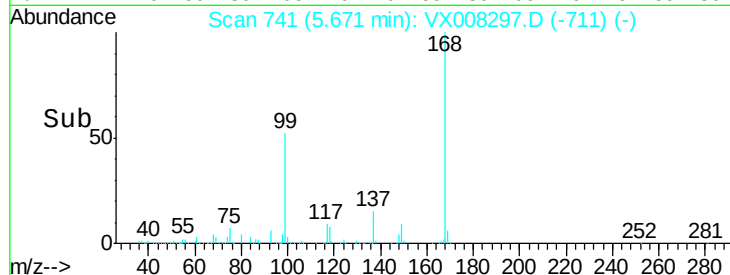
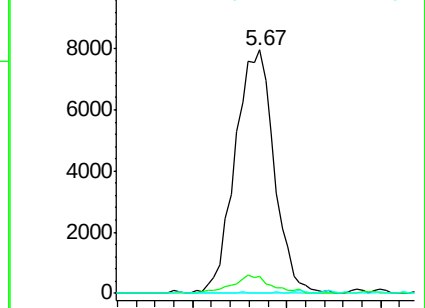
121 0.0 24.6 36.8#



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: 0.411 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX008297.D

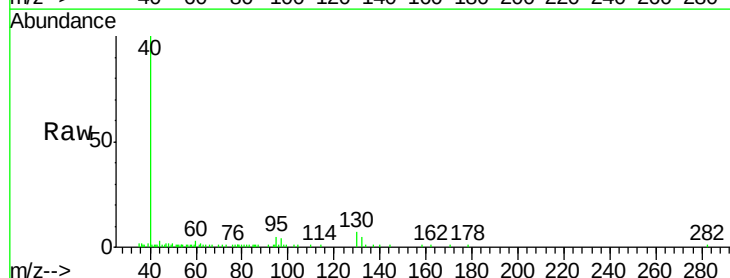
Acq: 21 Mar 2019 17:52

Tgt Ion:130 Resp: 1386

Ion Ratio Lower Upper

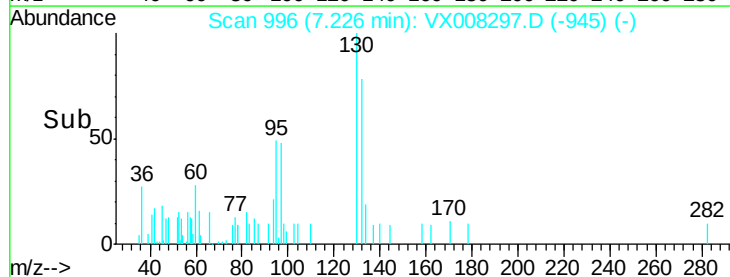
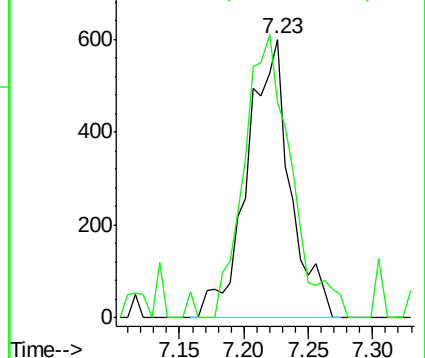
130 100

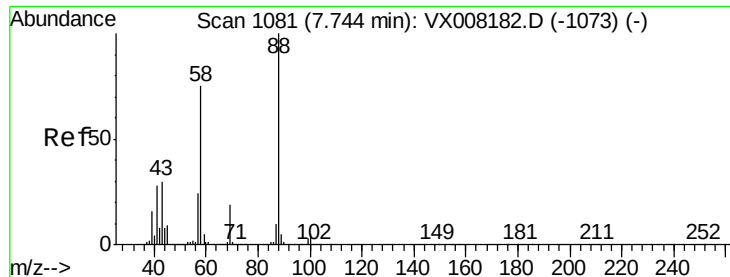
95 68.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.760 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

Instrument :

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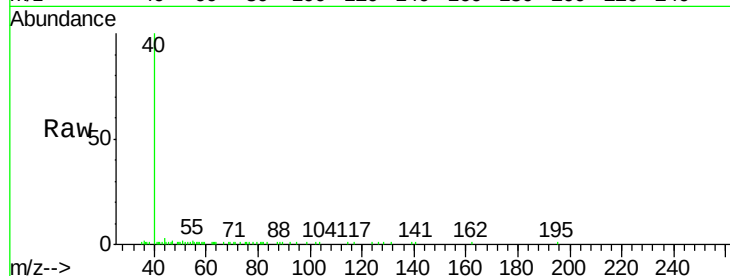
Tot Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 282.5 25.1 37.7#

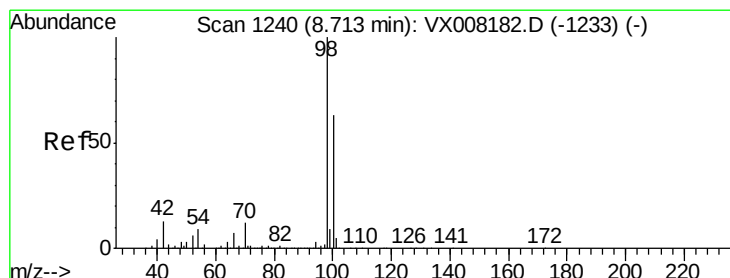
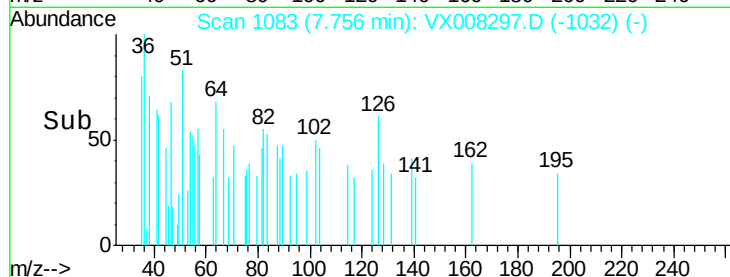
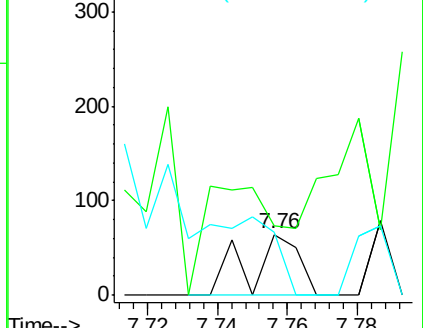
58 0.0 57.8 86.6#



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: 48.530 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008297.D

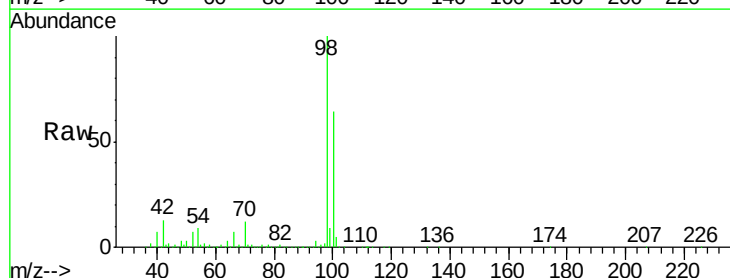
Acq: 21 Mar 2019 17:52

Tgt Ion: 98 Resp: 493444

Ion Ratio Lower Upper

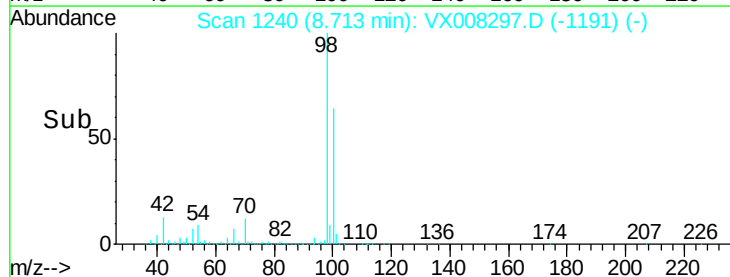
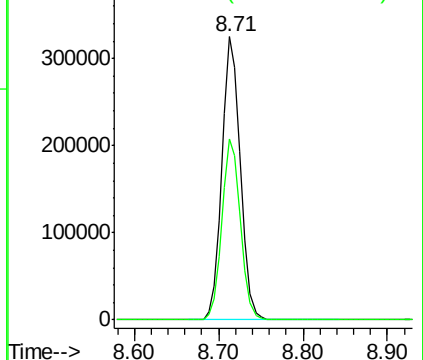
98 100

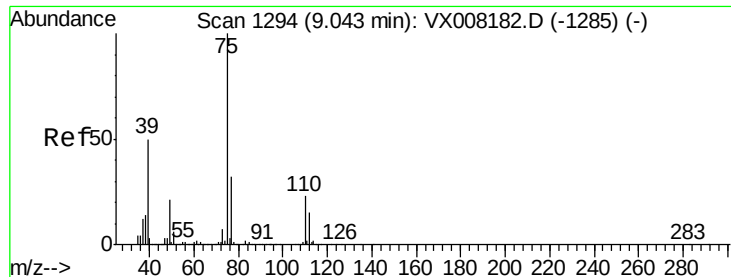
100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#53

t-1,3-Dichloropropene

Concen: 1.436 ug/l

RT: 9.06 min Scan# 1297

Delta R.T. 0.02 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

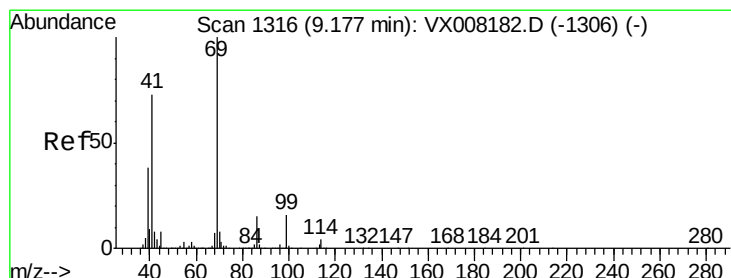
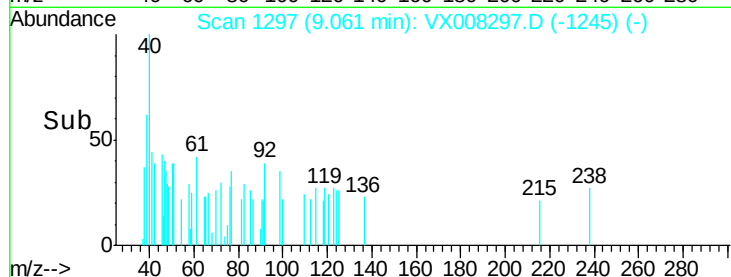
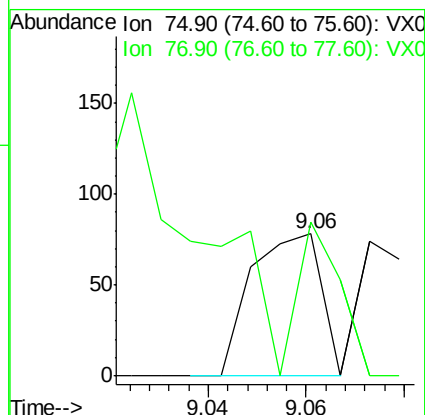
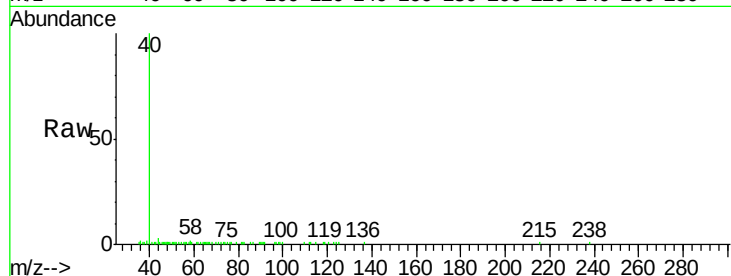
BP-DUP04-20190315

Tot Ion: 75 Resp: 77

Ion Ratio Lower Upper

75 100

77 41.0 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.546 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

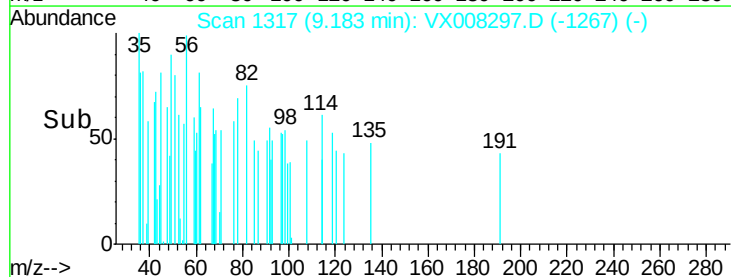
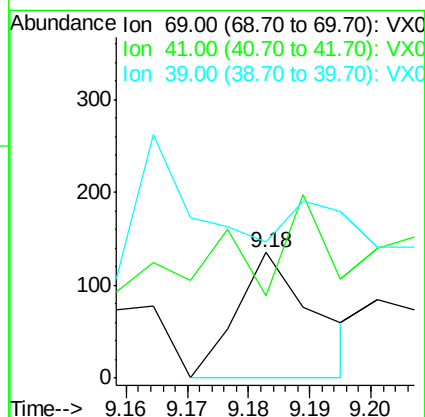
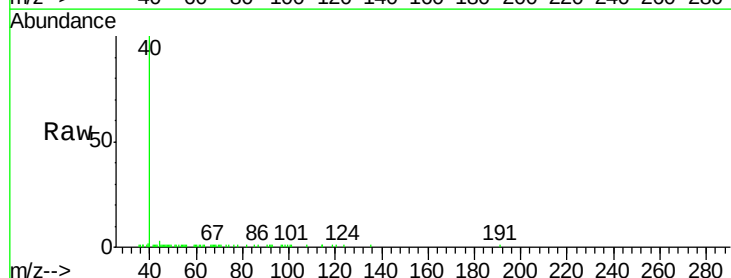
Tgt Ion: 69 Resp: 119

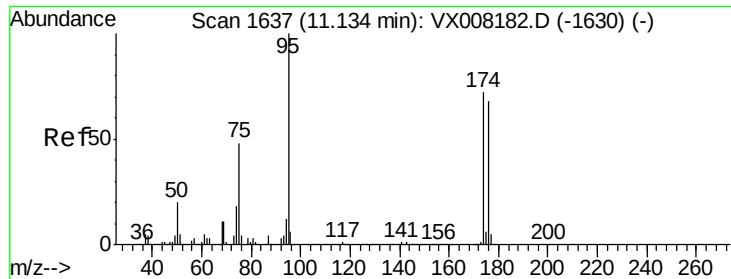
Ion Ratio Lower Upper

69 100

41 25.2 54.2 81.4#

39 0.0 25.0 37.4#

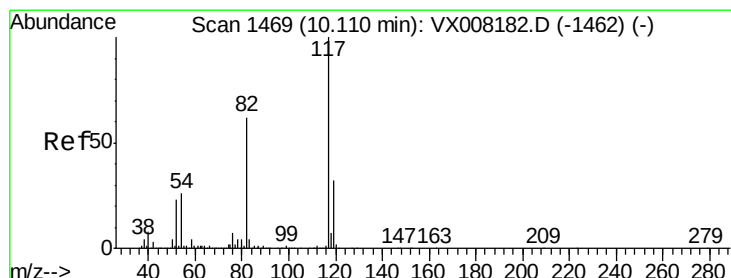
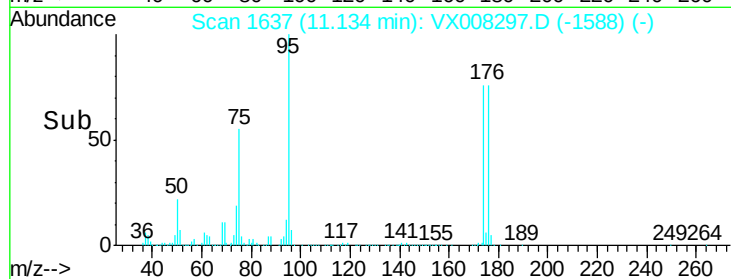
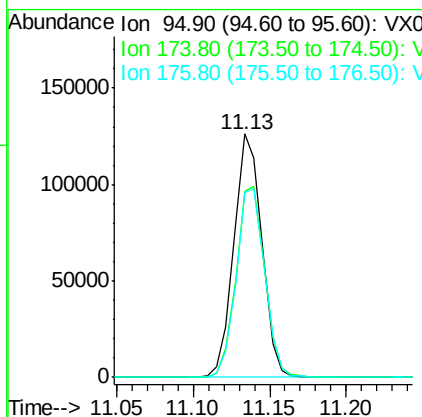
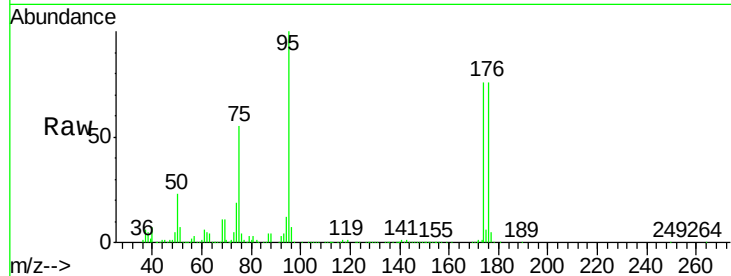




#62
4-Bromofluorobenzene
Concen: 45.598 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008297.D
Acq: 21 Mar 2019 17:52

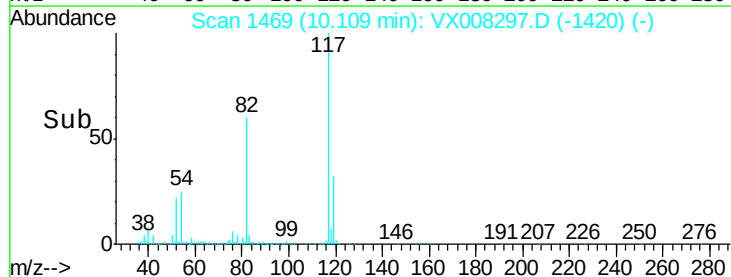
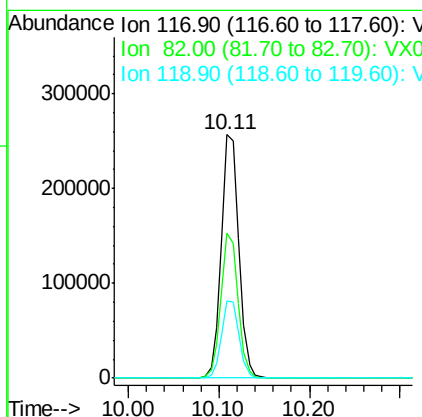
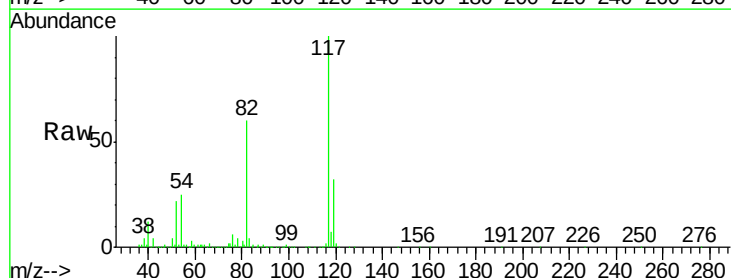
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20190315

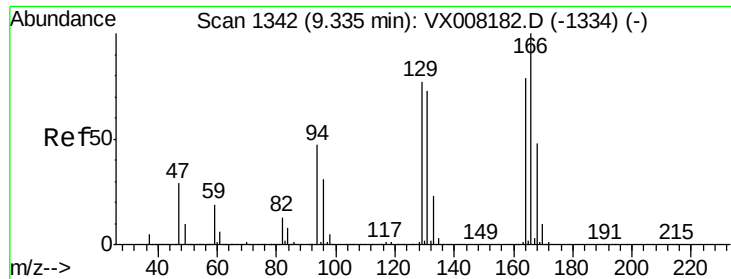
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.5	0.0	182.8
176	79.3	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008297.D
Acq: 21 Mar 2019 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.6	44.3	66.5
119	31.5	25.3	37.9

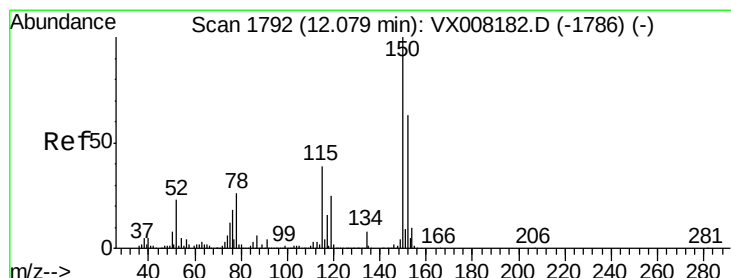
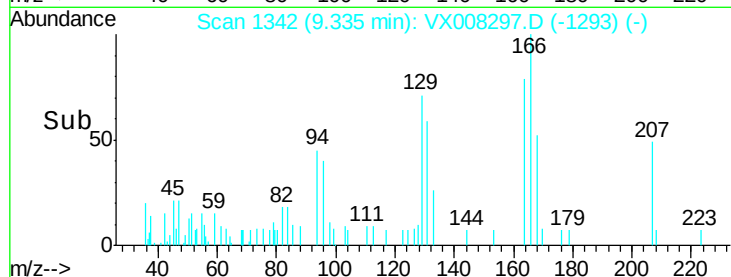
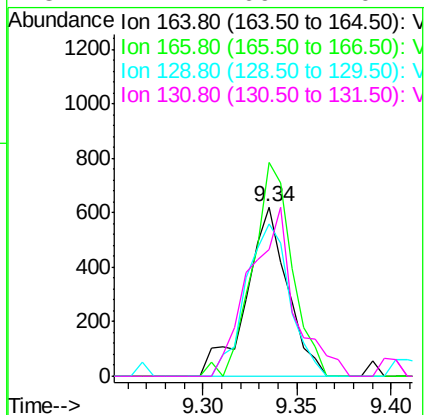
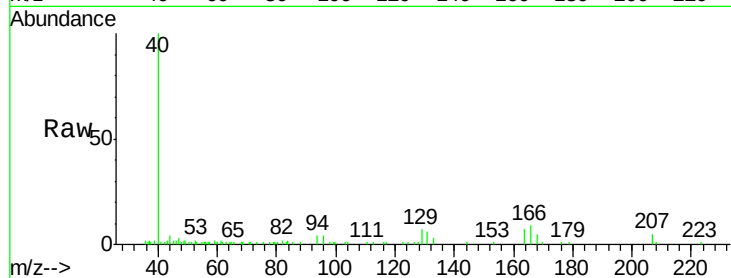




#64
Tetrachloroethene
Concen: 0.298 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008297.D
Acq: 21 Mar 2019 17:52

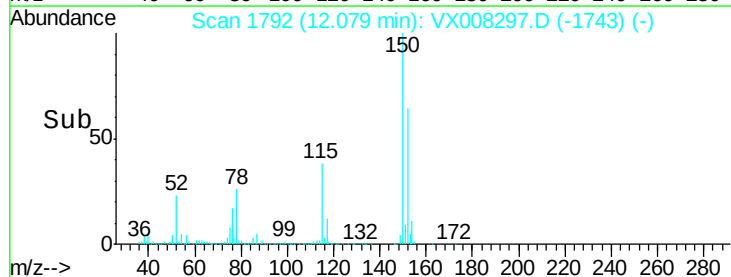
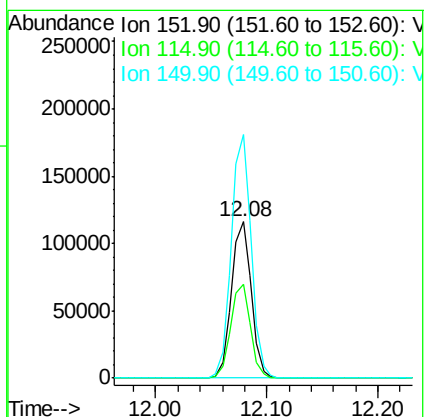
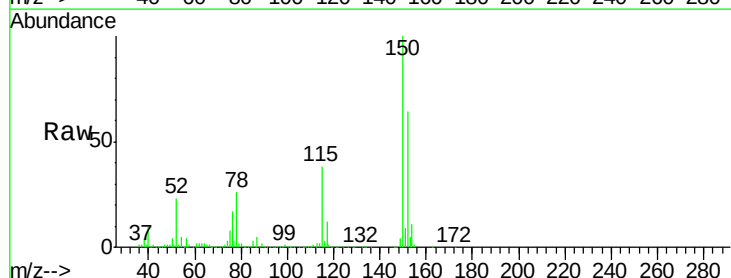
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20190315

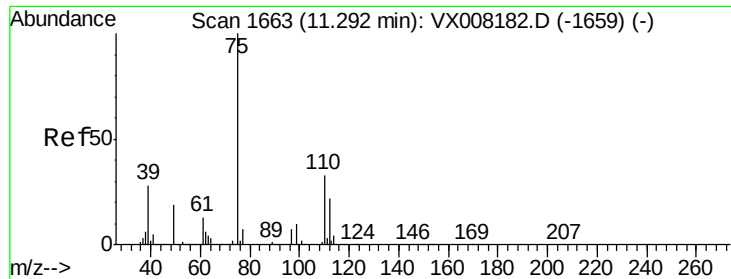
Tot Ion:164 Resp: 934
Ion Ratio Lower Upper
164 100
166 126.5 103.4 155.0
129 90.2 72.2 108.4
131 74.7 69.4 104.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008297.D
Acq: 21 Mar 2019 17:52

Tgt Ion:152 Resp: 142744
Ion Ratio Lower Upper
152 100
115 60.0 38.6 115.7
150 155.7 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 20.946 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

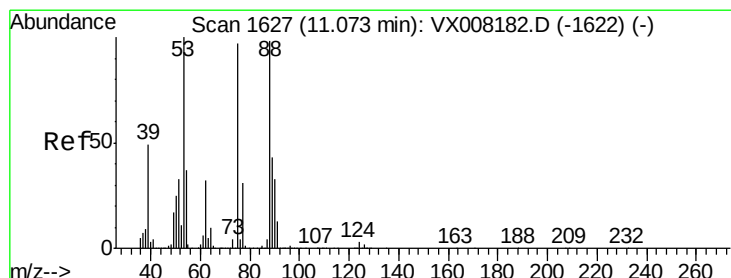
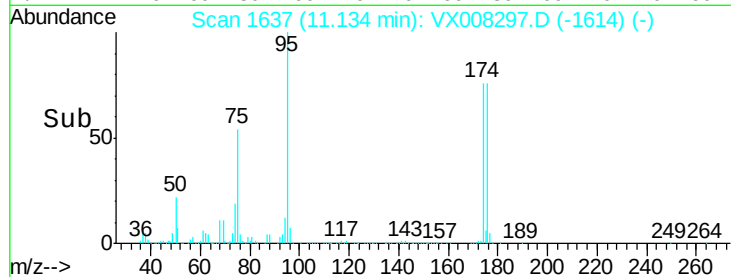
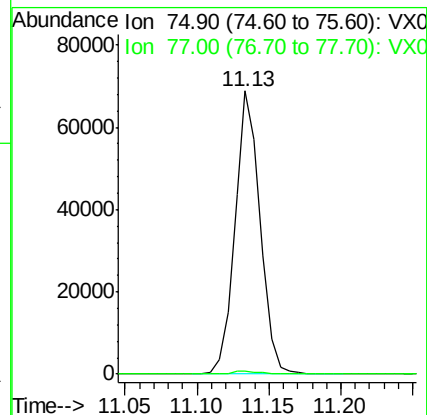
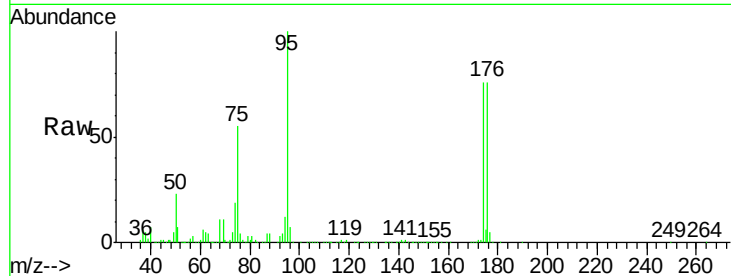
BP-DUP04-20190315

Tot Ion: 75 Resp: 84095

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.300 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008297.D

Acq: 21 Mar 2019 17:52

Tgt Ion: 75 Resp: 84095

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.3 54.5#

