

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007447.D
 Acq On : 08 Feb 2019 17:29
 Operator : JC/SP
 Sample : K1445-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 08 23:05:44 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	508018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	793570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	741943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	360080	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	277696	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	5.51	113	252928	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	8.71	98	945473	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	335740	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

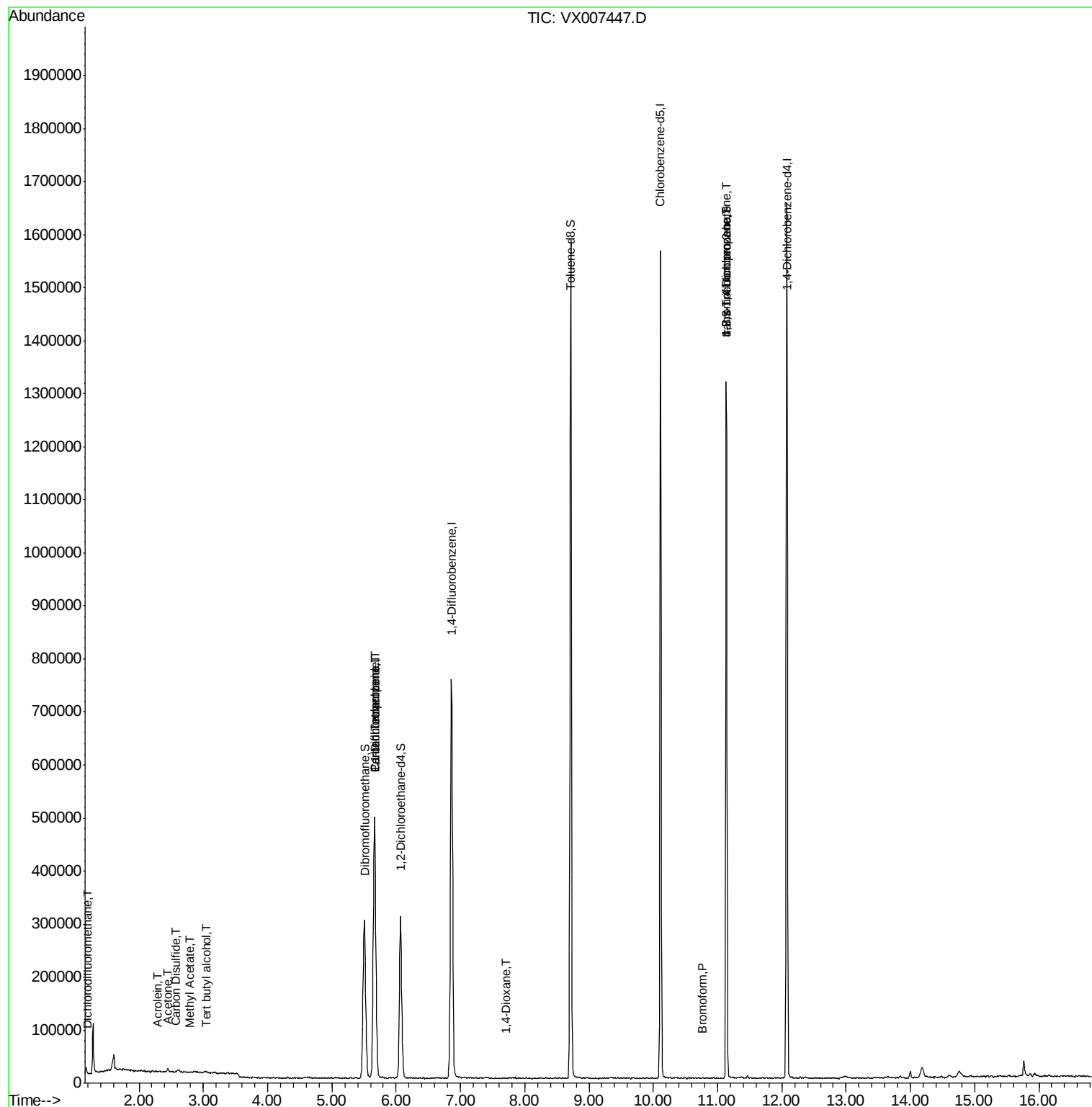
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	430	0.246	ug/l	72
5) Bromomethane	1.65	94	658	Below Cal	#	69
11) Tert butyl alcohol	3.06	59	593	0.531	ug/l #	76
13) Acrolein	2.29	56	656	1.254	ug/l #	70
16) Acetone	2.45	43	6909	2.797	ug/l	92
17) Carbon Disulfide	2.57	76	1841	2.260	ug/l #	86
18) Methyl Acetate	2.78	43	1530	0.828	ug/l #	80
20) Methylene Chloride	2.87	84	1849	Below Cal	#	63
36) 1,1-Dichloropropene	5.66	75	31886	4.478	ug/l #	40
38) Carbon Tetrachloride	5.67	117	46497	6.731	ug/l #	16
49) 1,4-Dioxane	7.71	88	74	7.460	ug/l #	1
71) Bromoform	10.76	173	104	4.050	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	160939	22.978	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	160939	69.245	ug/l #	9

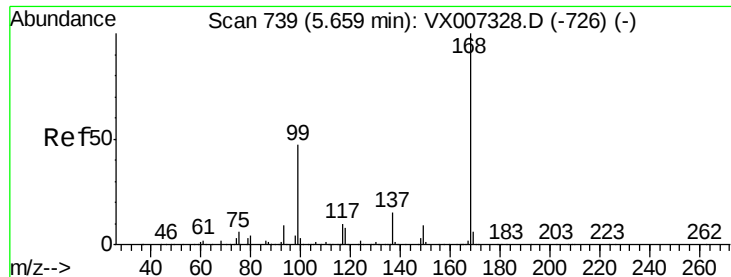
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

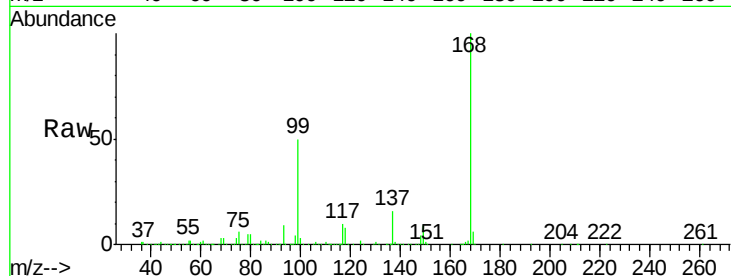
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 508018

Ion Ratio Lower Upper

168 100

99 50.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

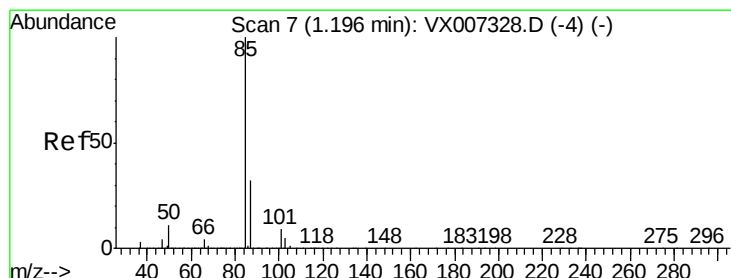
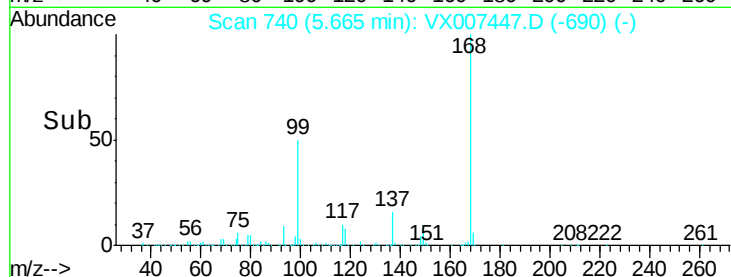
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.246 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007447.D

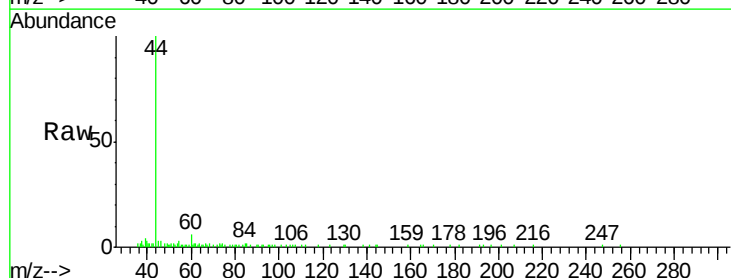
Acq: 08 Feb 2019 17:29

Tgt Ion: 85 Resp: 430

Ion Ratio Lower Upper

85 100

87 16.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

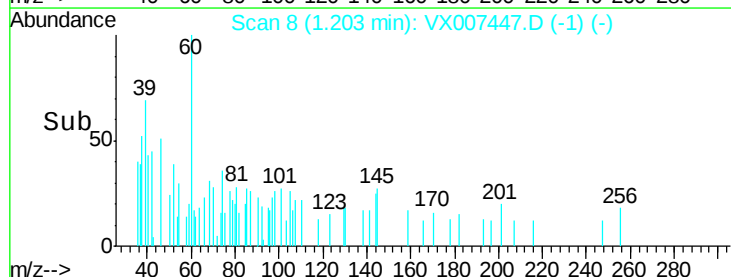
300

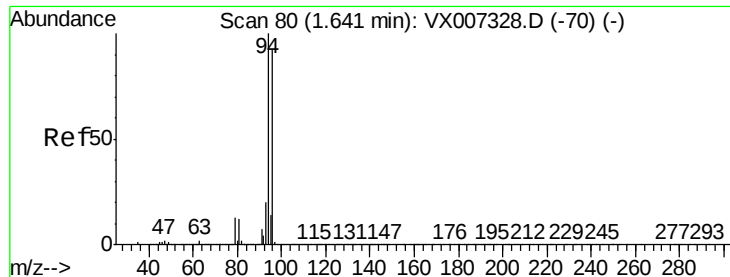
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

Instrument :

MSVOA_X

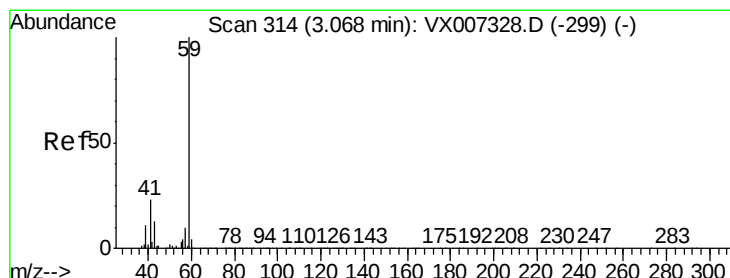
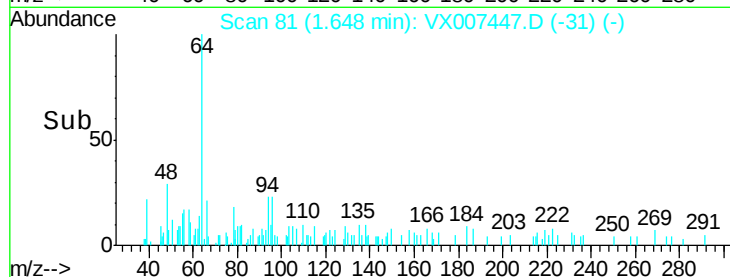
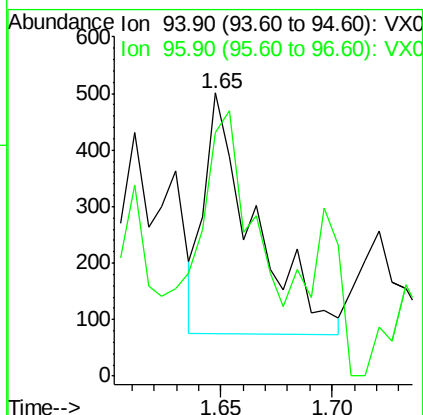
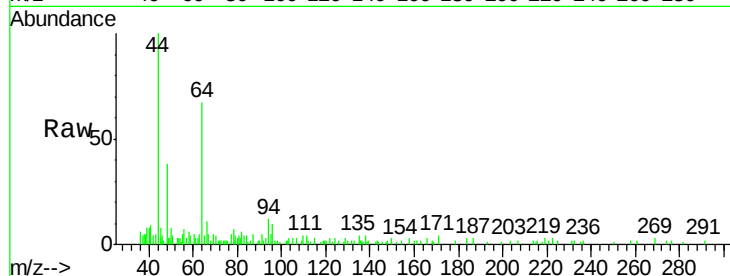
ClientSampled :

Tot Ion: 94 Resp: 658

Ion Ratio Lower Upper

94 100

96 62.7 73.9 110.9#



#11

Tert butyl alcohol

Concen: 0.531 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.01 min

Lab File: VX007447.D

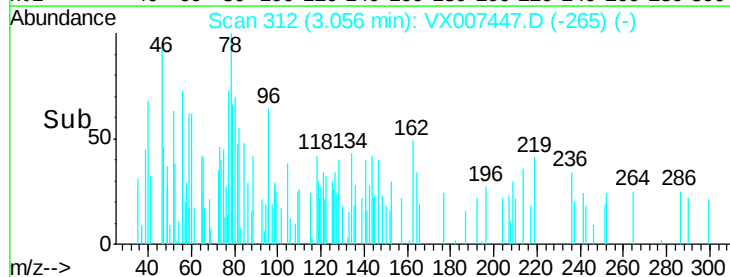
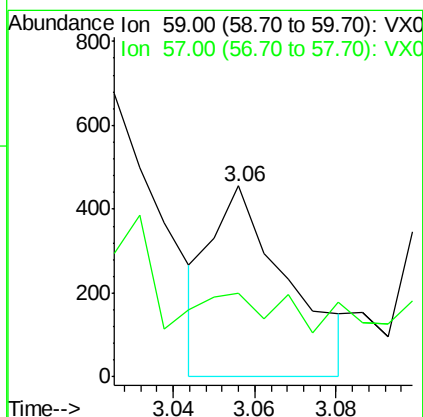
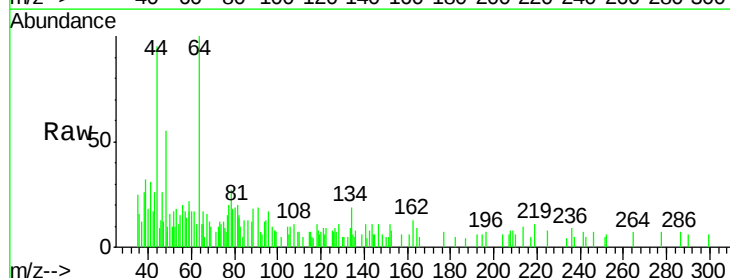
Acq: 08 Feb 2019 17:29

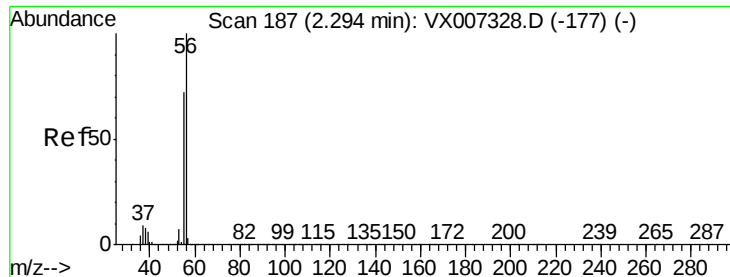
Tgt Ion: 59 Resp: 593

Ion Ratio Lower Upper

59 100

57 19.1 8.1 12.1#





#13

Acrolein

Concen: 1.254 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

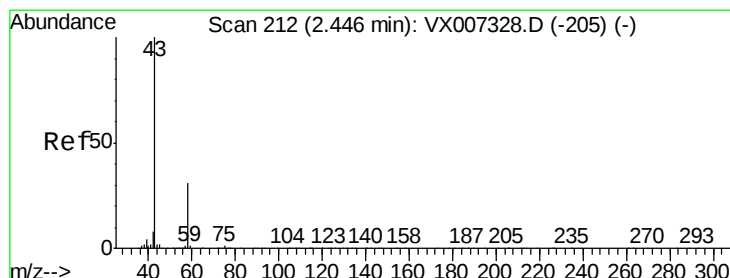
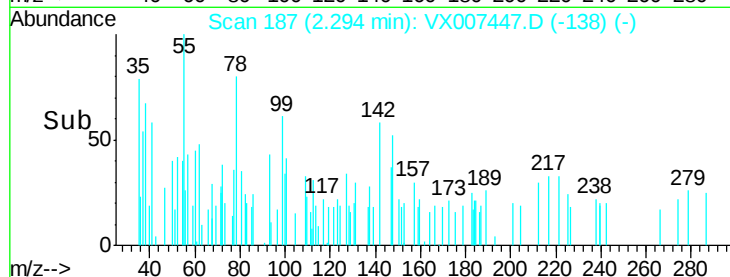
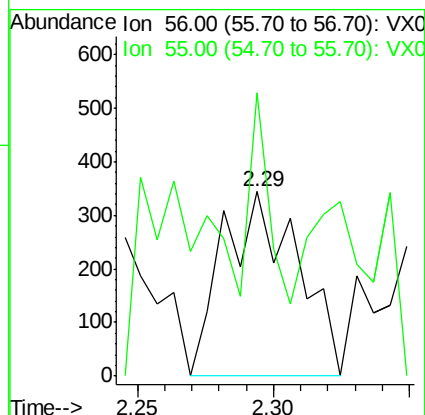
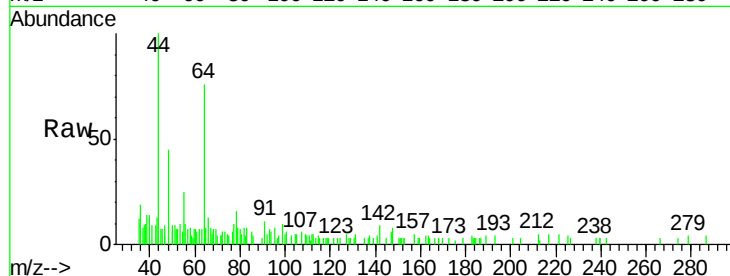
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 656

Ion Ratio Lower Upper

56 100

55 45.9 56.9 85.3#



#16

Acetone

Concen: 2.797 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007447.D

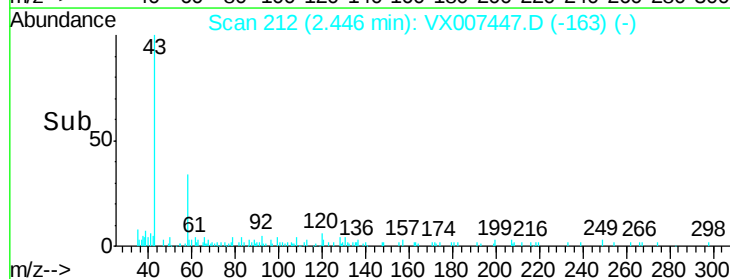
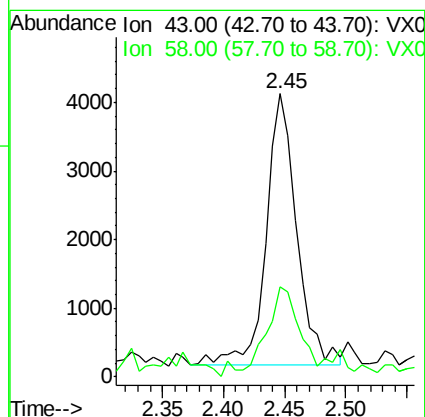
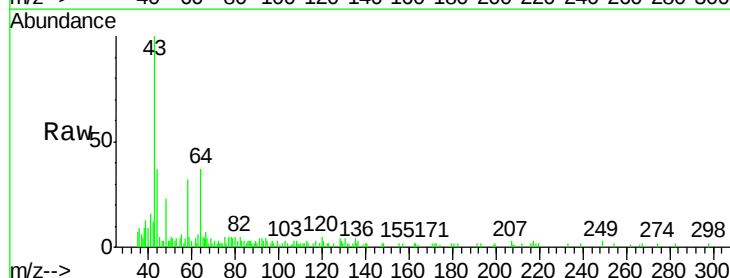
Acq: 08 Feb 2019 17:29

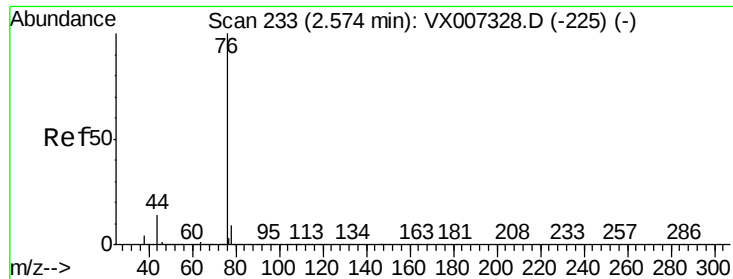
Tgt Ion: 43 Resp: 6909

Ion Ratio Lower Upper

43 100

58 26.9 24.9 37.3





#17

Carbon Disulfide

Concen: 2.260 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

Instrument :

MSVOA_X

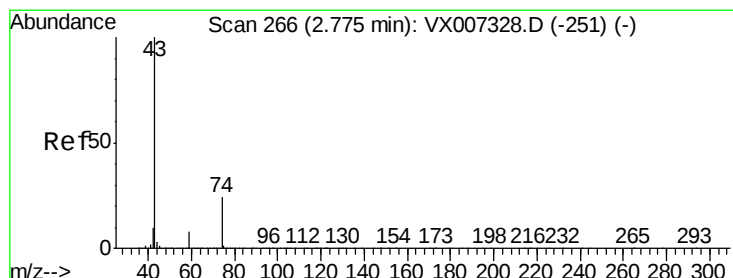
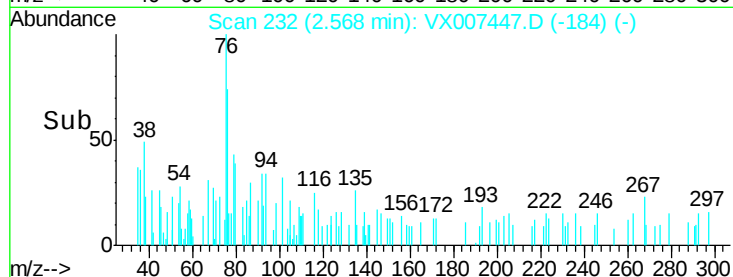
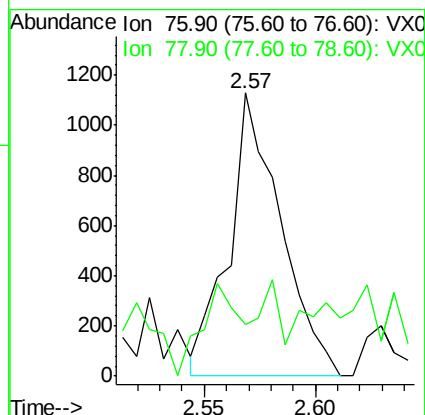
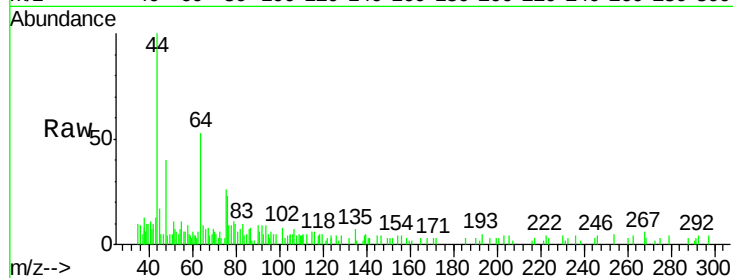
ClientSampleId :

Tot Ion: 76 Resp: 1841

Ion Ratio Lower Upper

76 100

78 3.8 7.1 10.7#



#18

Methyl Acetate

Concen: 0.828 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007447.D

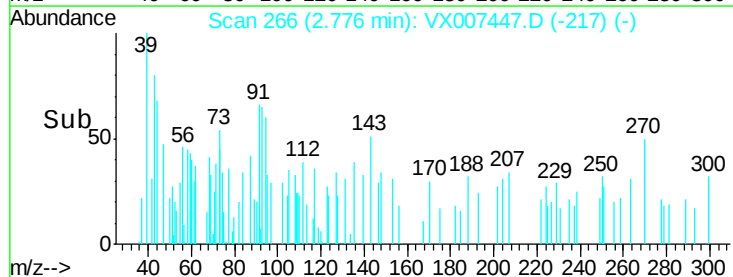
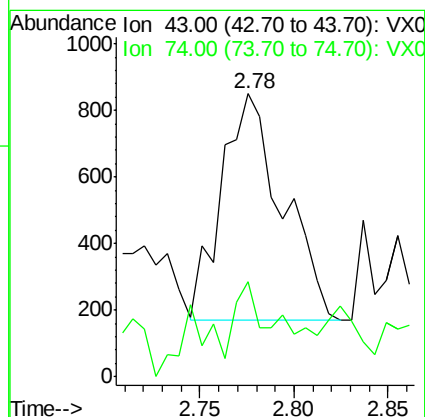
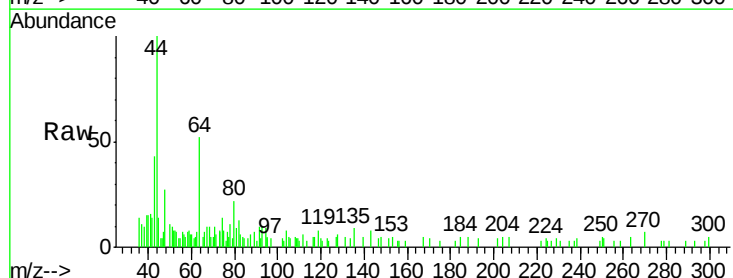
Acq: 08 Feb 2019 17:29

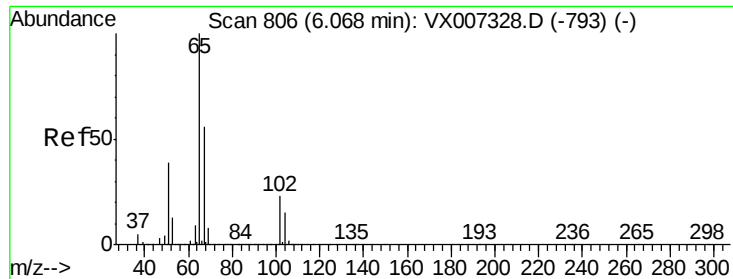
Tgt Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

74 14.2 19.4 29.2#

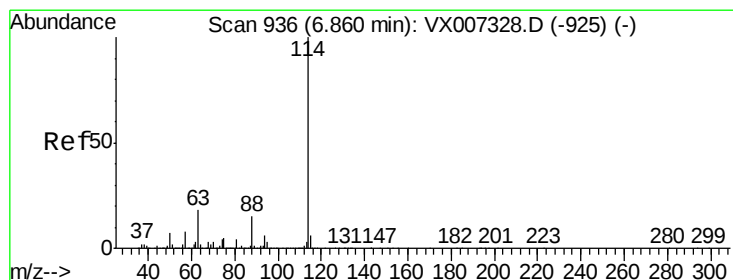
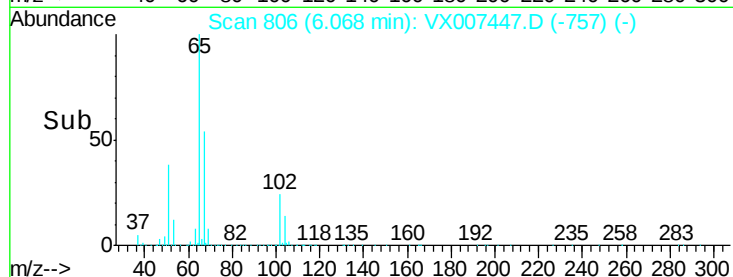
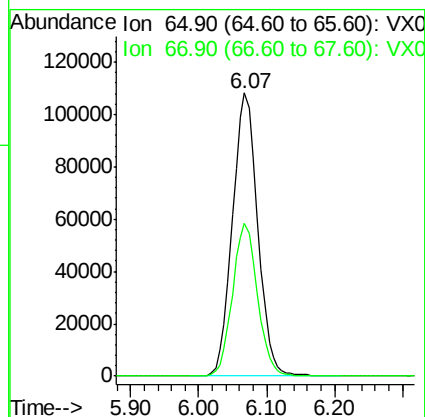
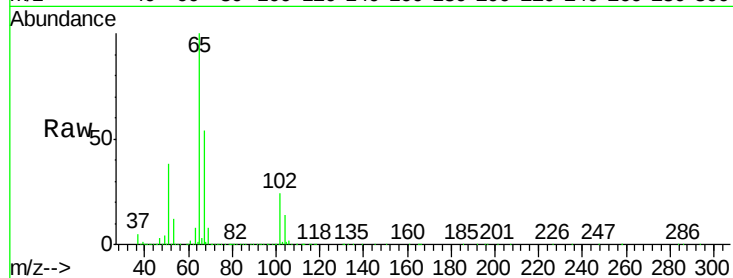




#33
 1,2-Dichloroethane-d4
 Concen: 51.500 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007447.D
 Acq: 08 Feb 2019 17:29

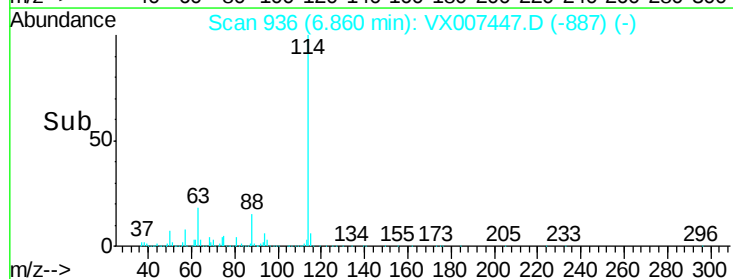
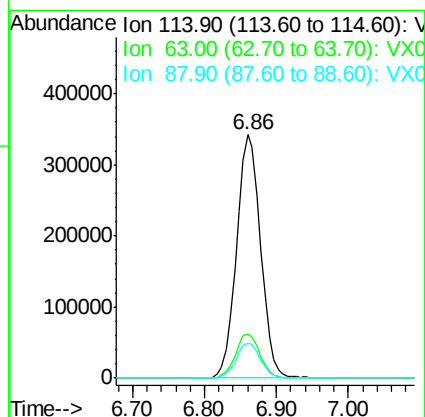
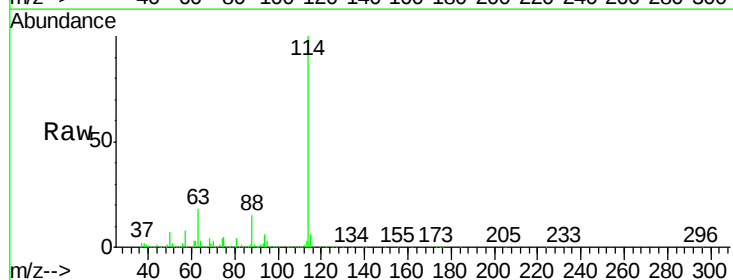
Instrument :
 MSVOA_X
 ClientSampleId :

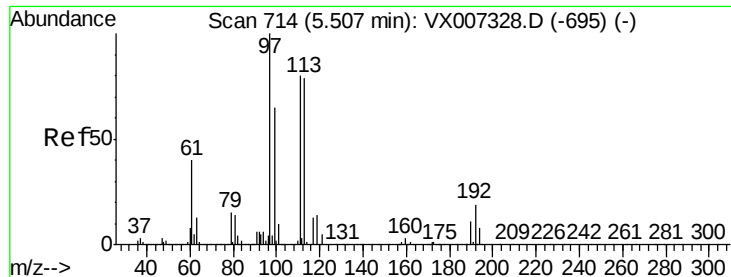
Tot Ion: 65 Resp: 277696
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007447.D
 Acq: 08 Feb 2019 17:29

Tgt Ion: 114 Resp: 793570
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.984 ug/l

RT: 5.51 min Scan# 714

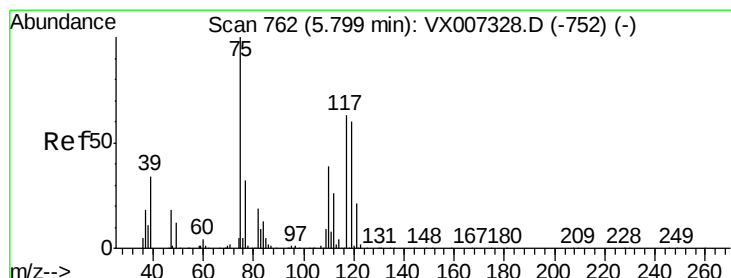
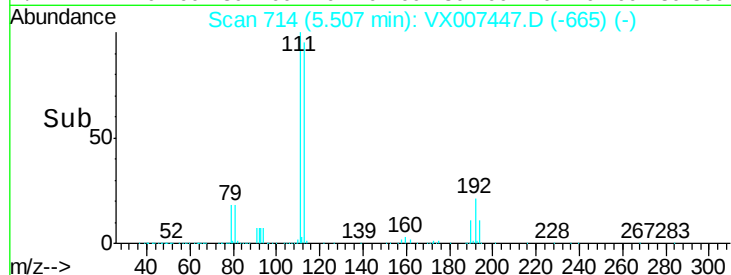
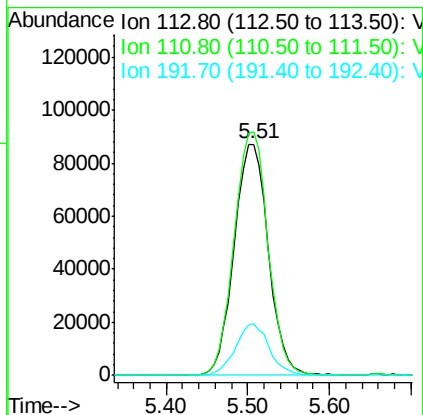
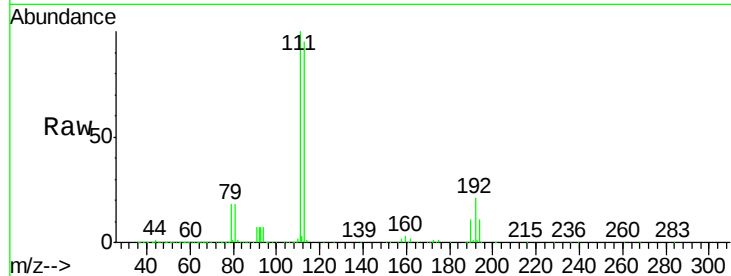
Delta R.T. 0.00 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	252928
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.8
192	22.1	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.478 ug/l

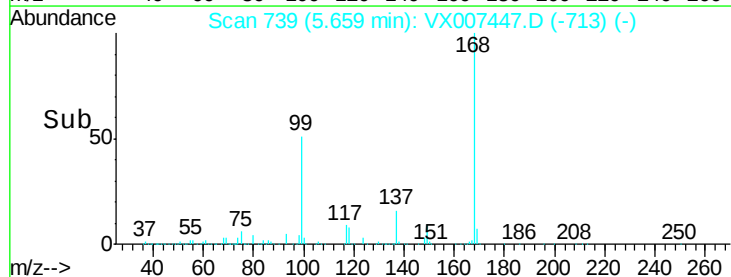
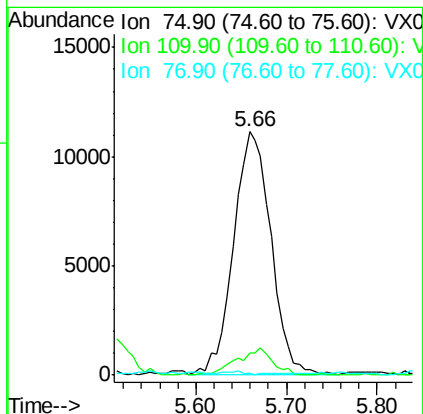
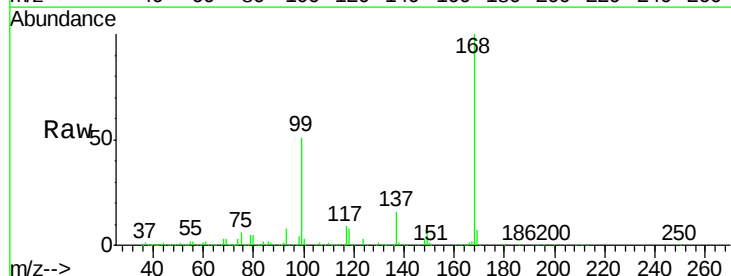
RT: 5.66 min Scan# 739

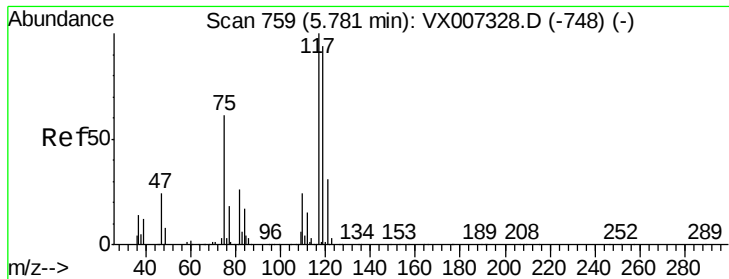
Delta R.T. -0.14 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

Tgt Ion:	75	Resp:	31886
Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.0	59.9#
77	0.8	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.731 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

Instrument :

MSVOA_X

ClientSampled :

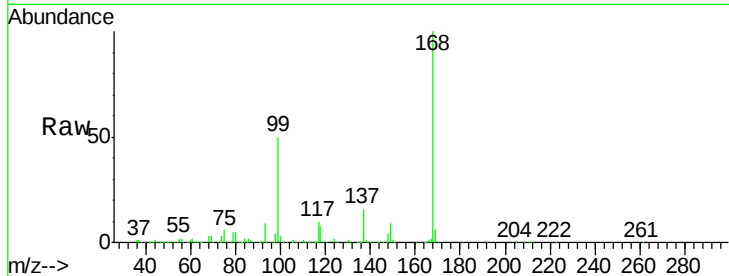
Tot Ion:117 Resp: 46497

Ion Ratio Lower Upper

117 100

119 3.7 75.3 112.9#

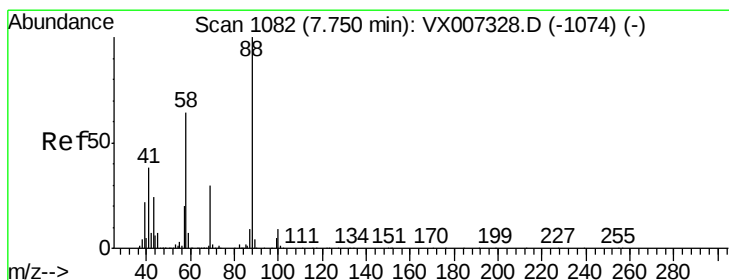
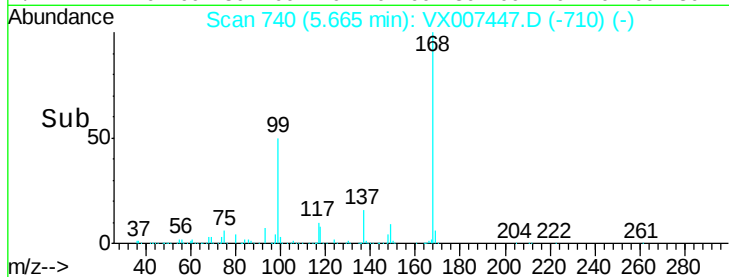
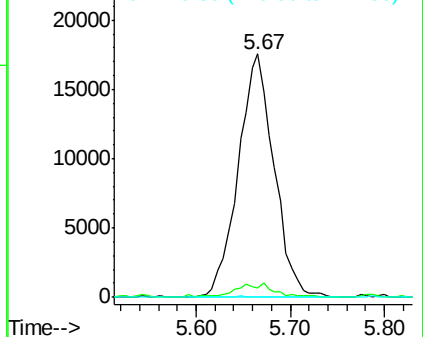
121 0.4 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 7.460 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.04 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

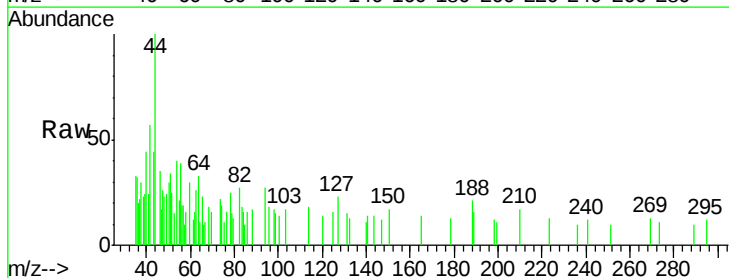
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 625.7 24.2 36.4#

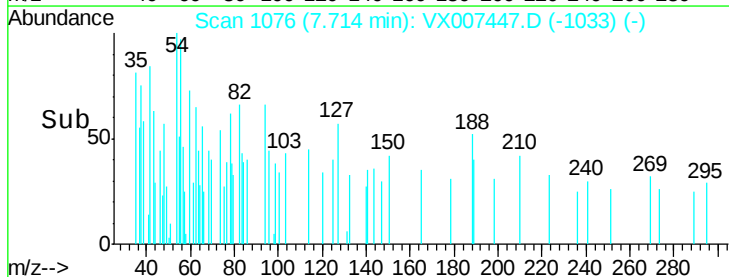
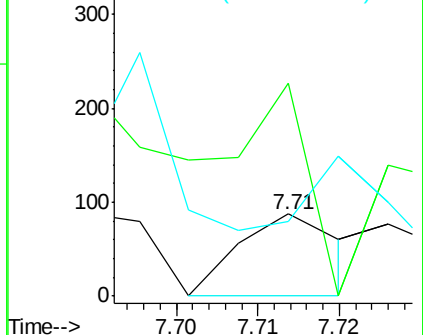
58 120.3 53.0 79.4#

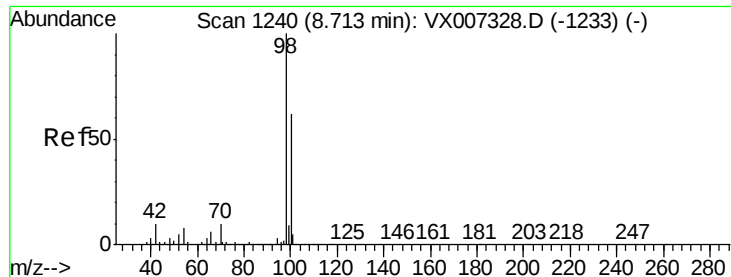


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.353 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

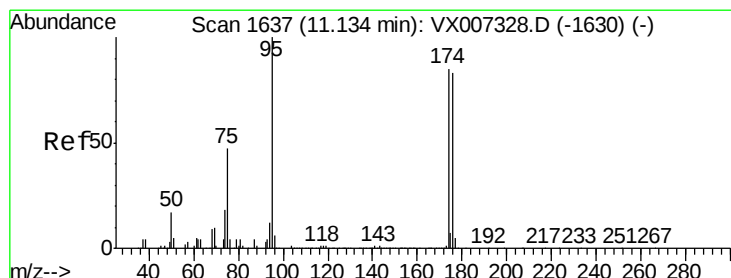
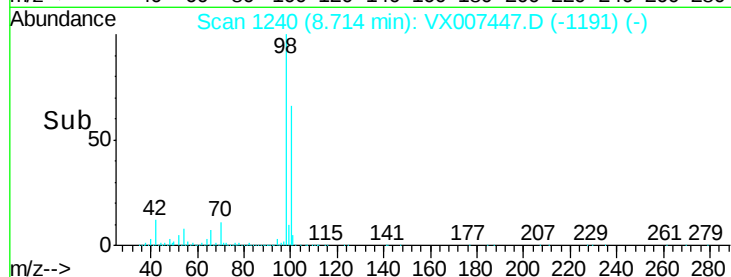
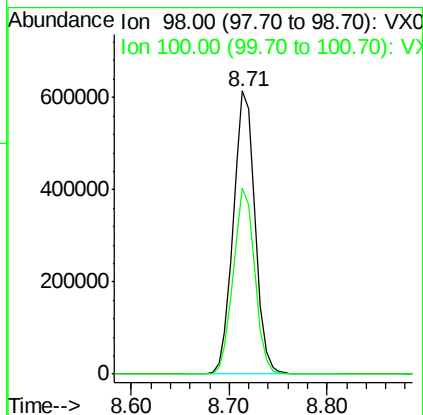
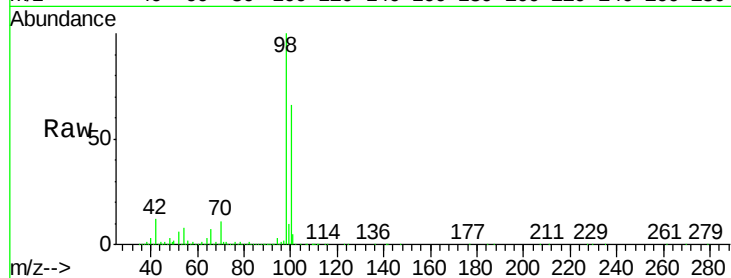
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 945473

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.001 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

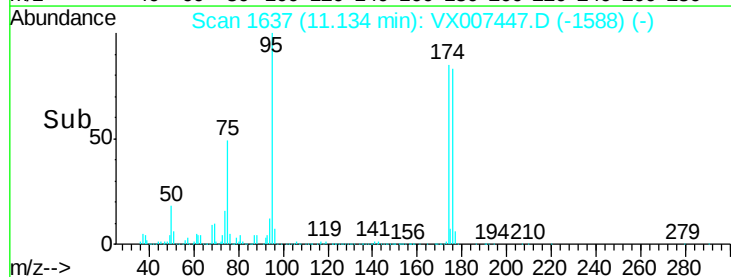
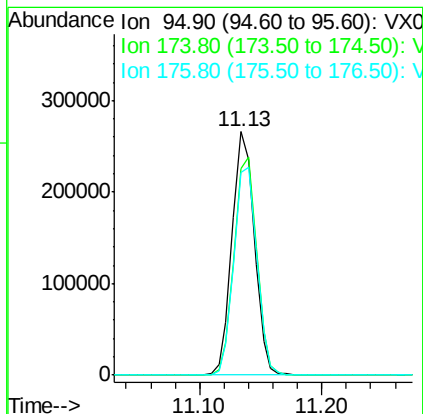
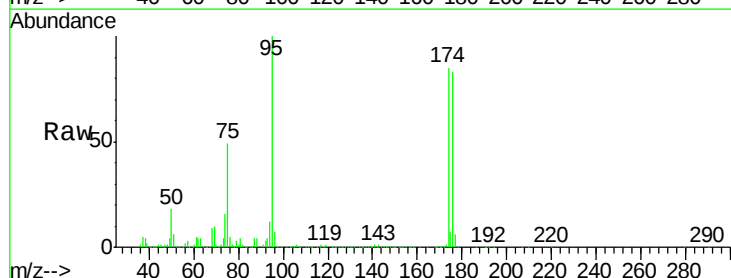
Tgt Ion: 95 Resp: 335740

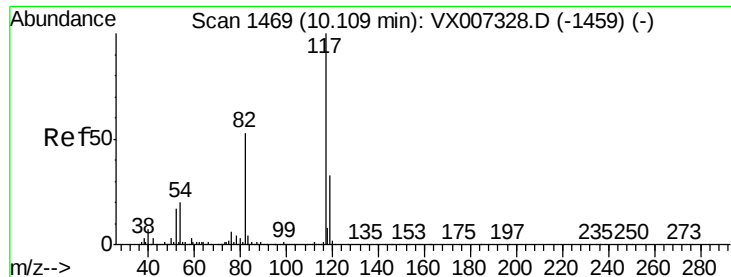
Ion Ratio Lower Upper

95 100

174 90.9 0.0 189.2

176 88.3 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

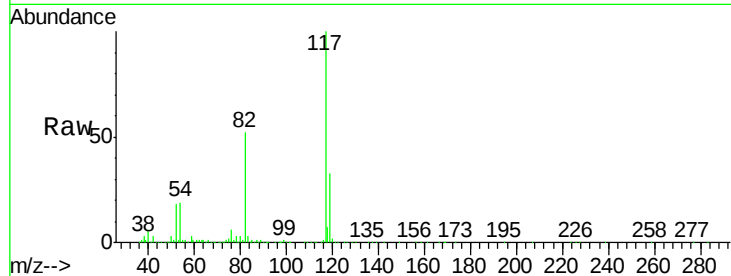
Tot Ion:117 Resp: 741943

Ion Ratio Lower Upper

117 100

82 51.7 42.1 63.1

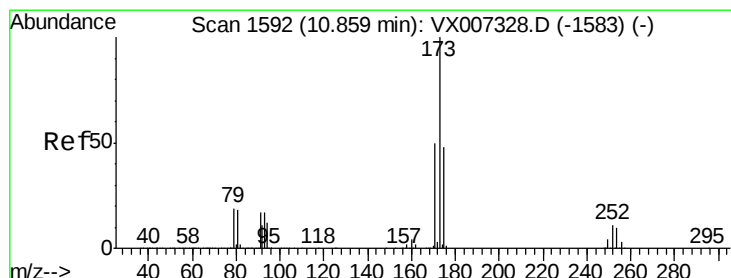
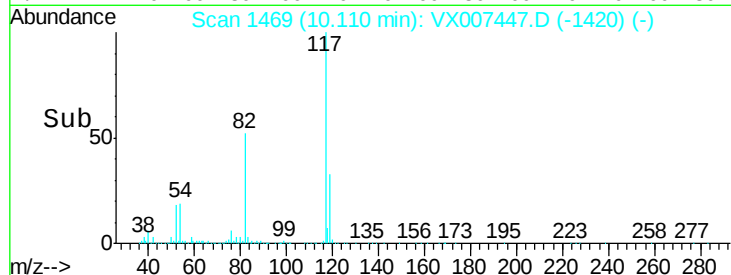
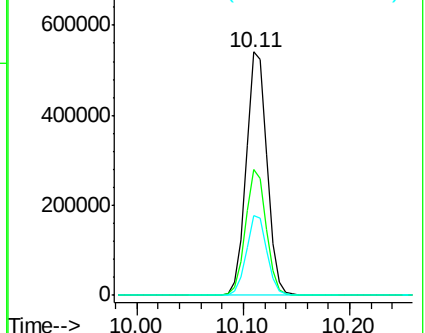
119 32.9 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 4.050 ug/l

RT: 10.76 min Scan# 1575

Delta R.T. -0.10 min

Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

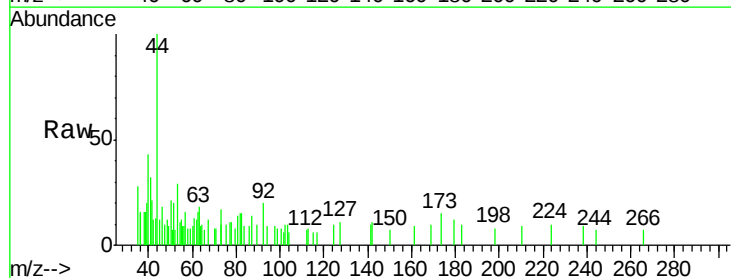
Tgt Ion:173 Resp: 104

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

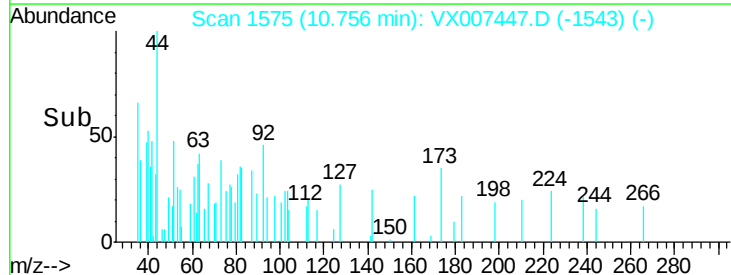
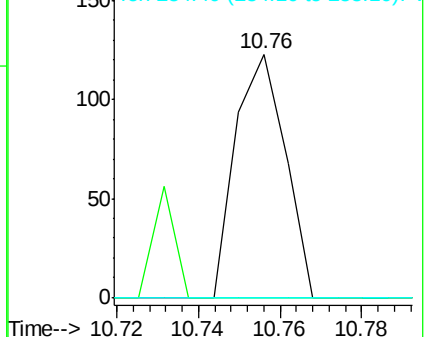
254 0.0 0.2 0.2#

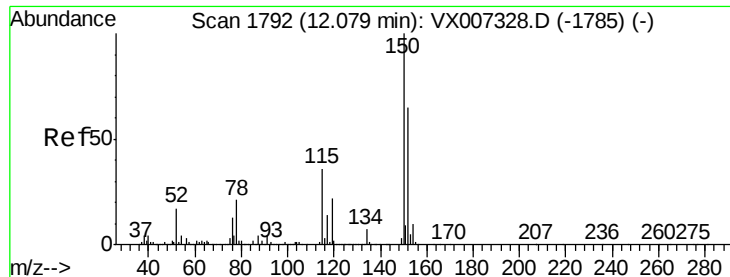


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



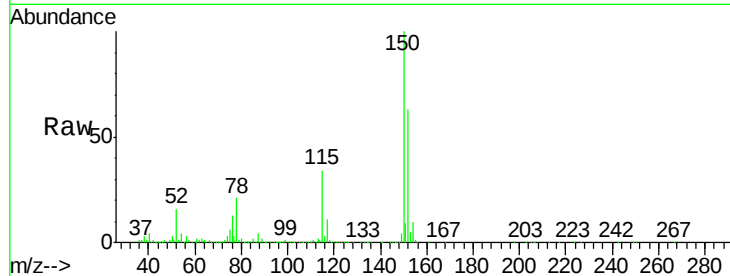


#72

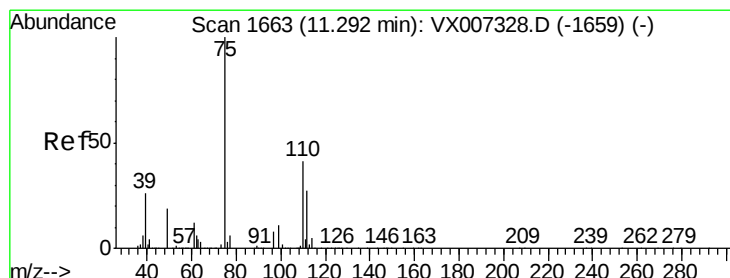
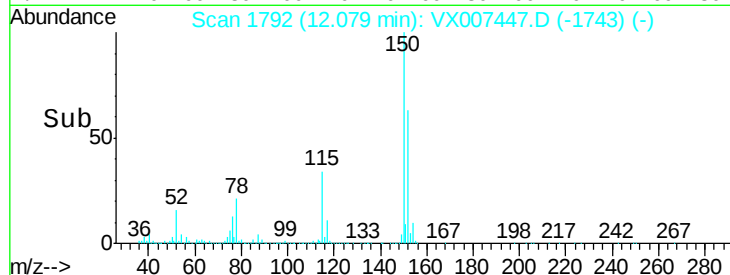
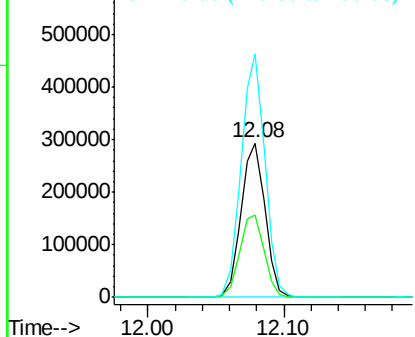
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007447.D
Acq: 08 Feb 2019 17:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.0	114.0
150	156.2	0.0	346.4



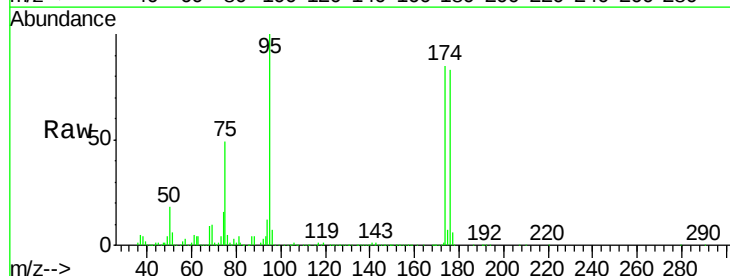
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



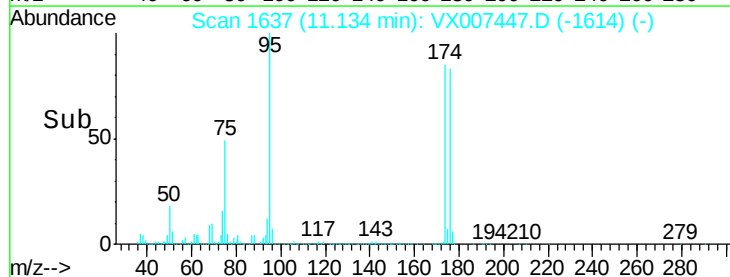
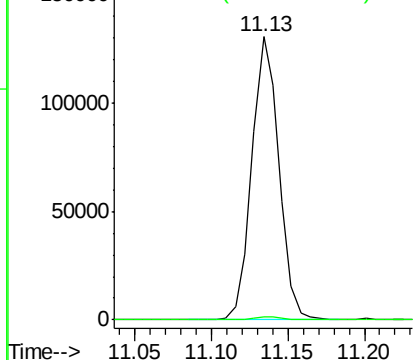
#76

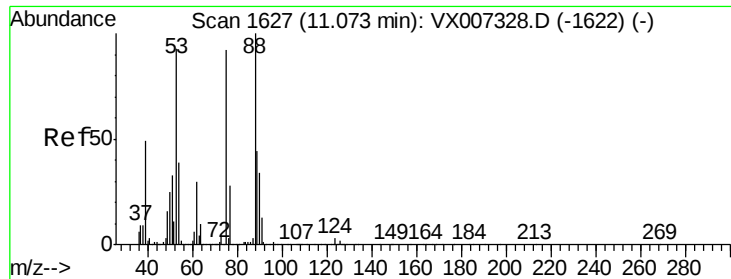
1,2,3-Trichloropropane
Concen: 22.978 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007447.D
Acq: 08 Feb 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	23.0	69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.245 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

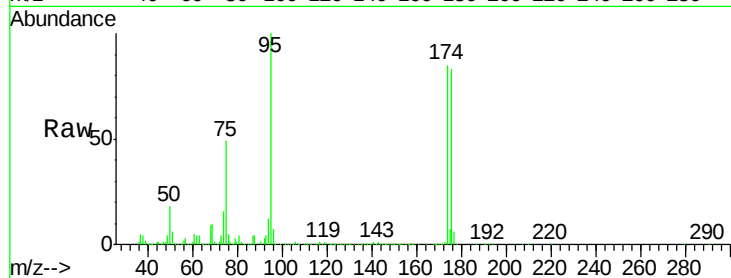
Lab File: VX007447.D

Acq: 08 Feb 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	75	Resp:	160939
Ion	Ratio	Lower	Upper
75	100		
53	0.1	81.0	121.6#
89	0.1	41.4	62.0#

