

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008216.D
 Acq On : 20 Mar 2019 02:47
 Operator : JC/SP
 Sample : K1900-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 08:38:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	534307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	449099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179221	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	225937	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
35) Dibromofluoromethane	5.50	113	168130	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
50) Toluene-d8	8.71	98	656348	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.13	95	207744	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

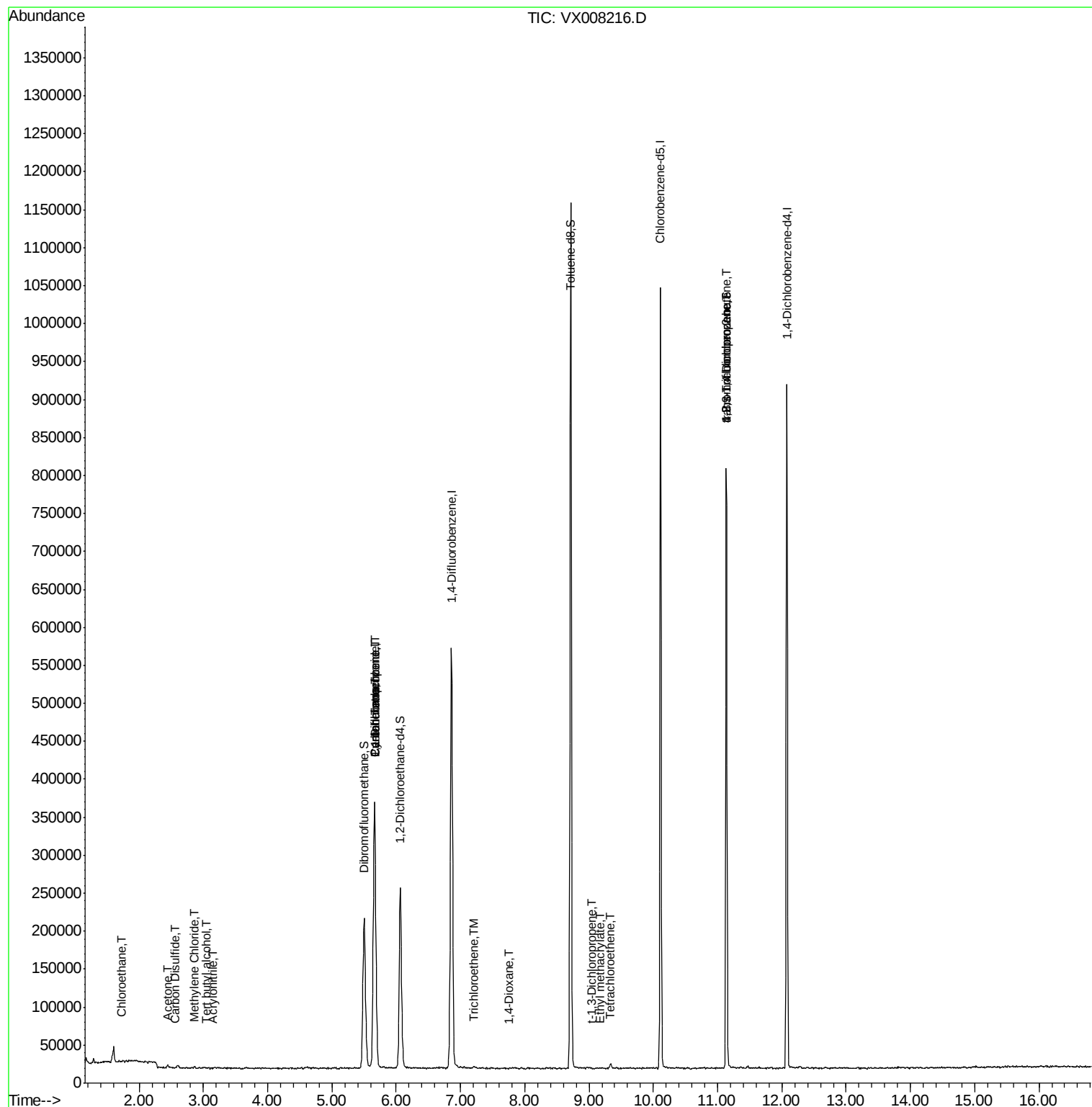
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	906	0.290	ug/l #	43
11) Tert butyl alcohol	3.05	59	378	0.356	ug/l #	1
13) Acrolein	2.31	56	116	Below Cal	#	24
15) Acrylonitrile	3.15	53	613	0.218	ug/l #	52
16) Acetone	2.45	43	3816	1.358	ug/l #	84
17) Carbon Disulfide	2.57	76	1114	0.760	ug/l #	75
20) Methylene Chloride	2.85	84	994	0.212	ug/l #	94
31) Cyclohexane	5.67	56	7709	0.938	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	27296	4.388	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32625	5.886	ug/l #	17
44) Trichloroethene	7.21	130	910	0.202	ug/l #	69
49) 1,4-Dioxane	7.75	88	101	0.913	ug/l #	22
53) t-1,3-Dichloropropene	9.05	75	216	1.450	ug/l #	15
56) Ethyl methacrylate	9.18	69	105	0.539	ug/l #	1
64) Tetrachloroethene	9.34	164	1102	0.272	ug/l #	92
76) 1,2,3-Trichloropropane	11.13	75	108742	21.572	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	108742	54.851	ug/l #	12

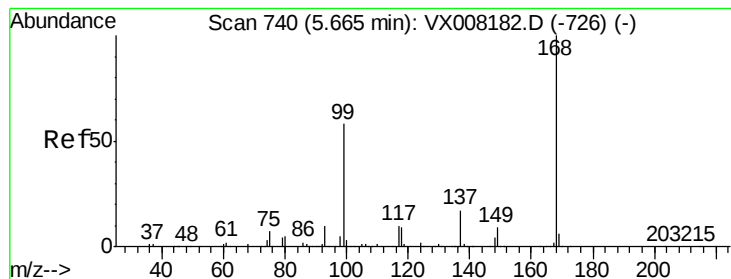
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:51:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Instrument :

MSVOA_X

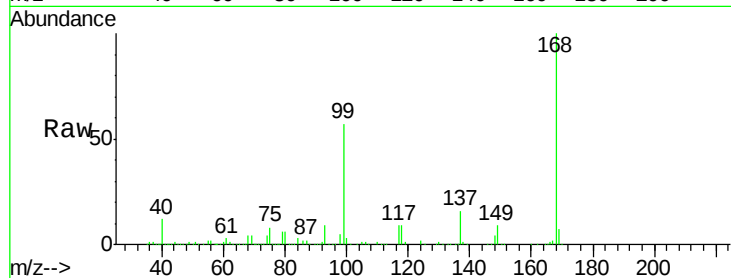
ClientSampleId :

Tot Ion:168 Resp: 328984

Ion Ratio Lower Upper

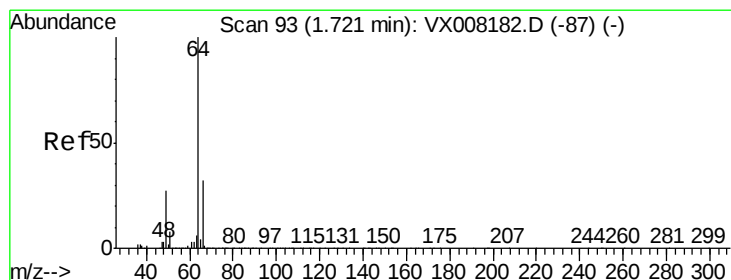
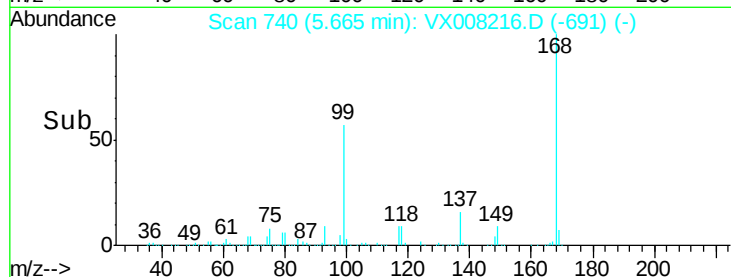
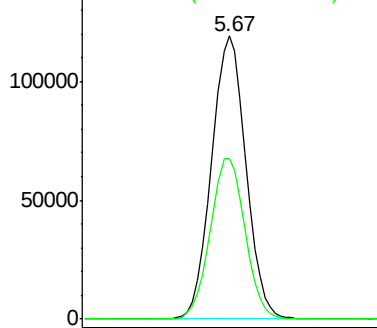
168 100

99 56.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.290 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008216.D

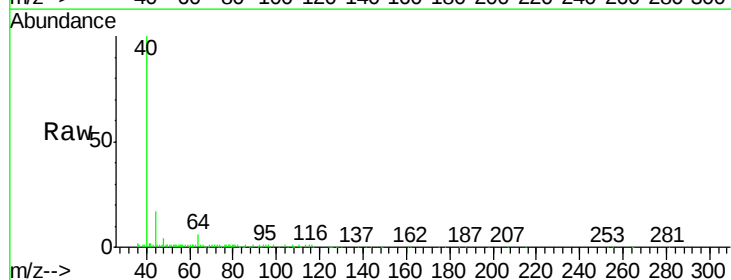
Acq: 20 Mar 2019 02:47

Tgt Ion: 64 Resp: 906

Ion Ratio Lower Upper

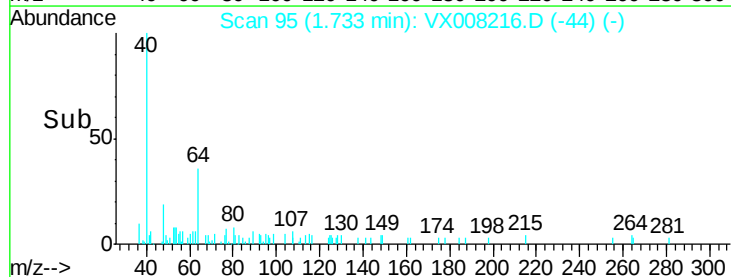
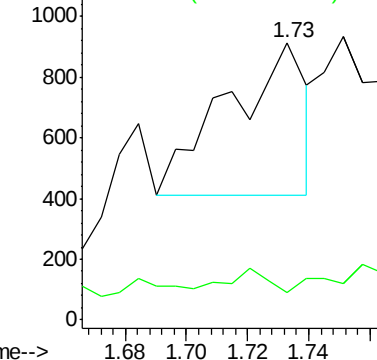
64 100

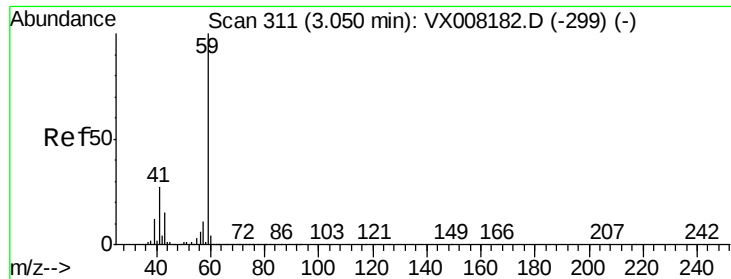
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



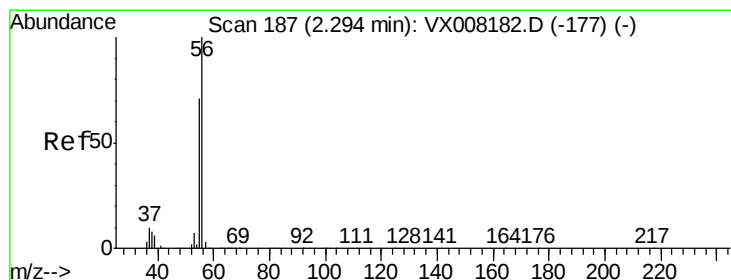
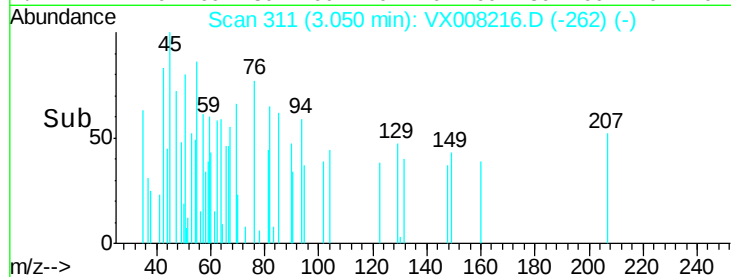
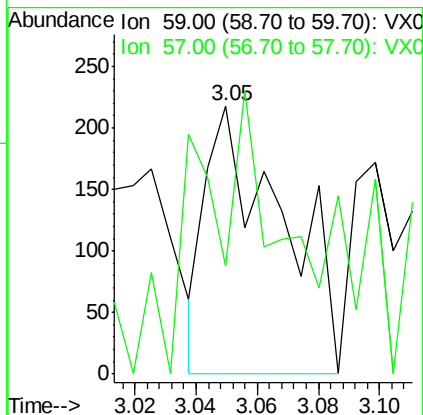
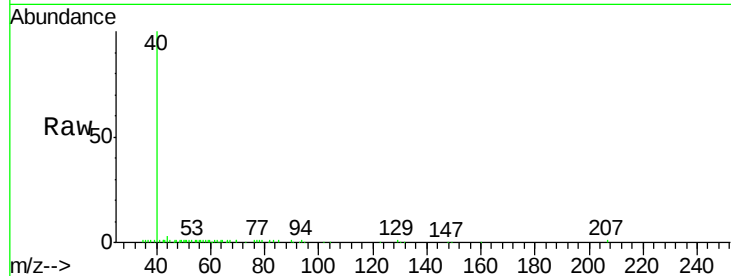


#11

Tert butvl alcohol
 Concen: 0.356 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX008216.D
 Acq: 20 Mar 2019 02:47

Instrument :
 MSVOA_X
 ClientSampleId :

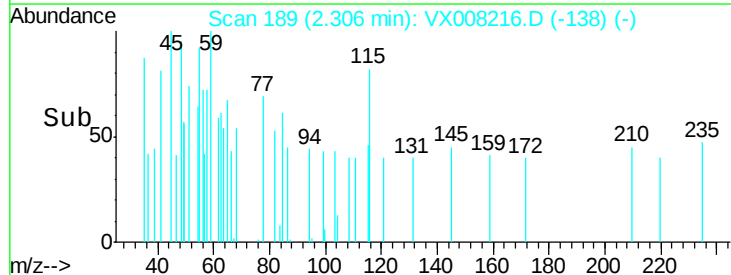
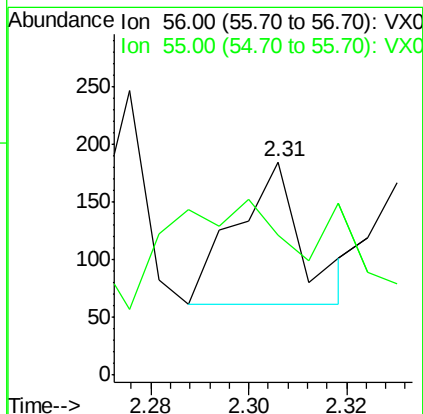
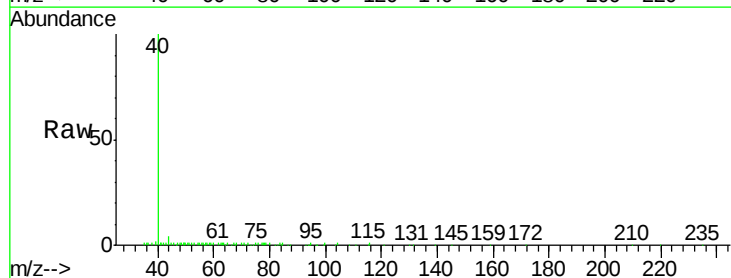
Tot Ion: 59 Resp: 378
 Ion Ratio Lower Upper
 59 100
 57 50.8 8.2 12.2#

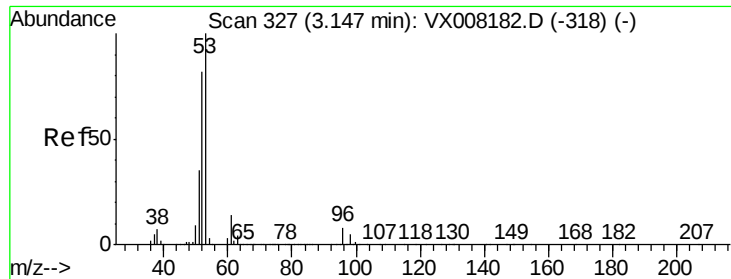


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX008216.D
 Acq: 20 Mar 2019 02:47

Tgt Ion: 56 Resp: 116
 Ion Ratio Lower Upper
 56 100
 55 135.3 57.8 86.6#





#15

Acrylonitrile

Concen: 0.218 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Instrument :

MSVOA_X

ClientSampleId :

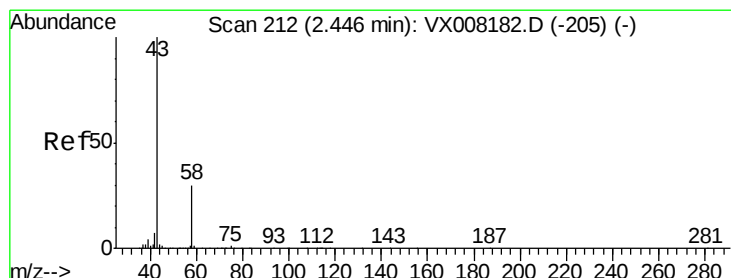
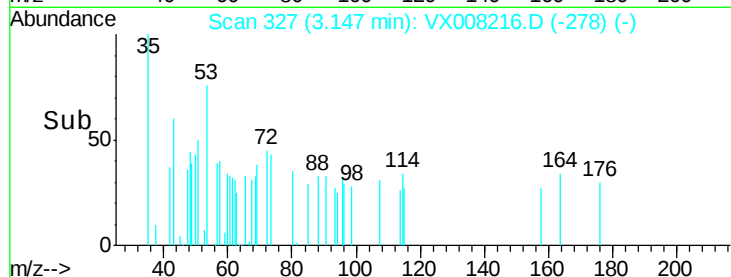
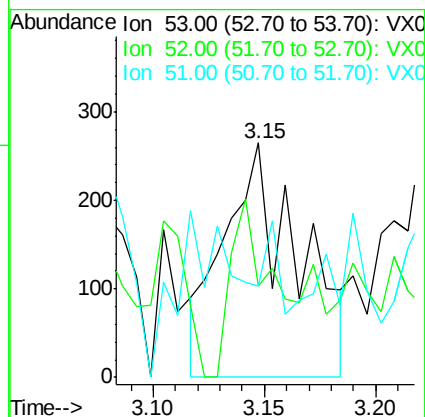
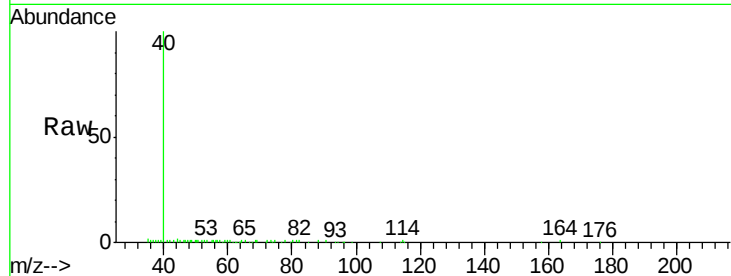
Tot Ion: 53 Resp: 613

Ion Ratio Lower Upper

53 100

52 44.4 66.0 99.0#

51 0.0 28.0 42.0#



#16

Acetone

Concen: 1.358 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008216.D

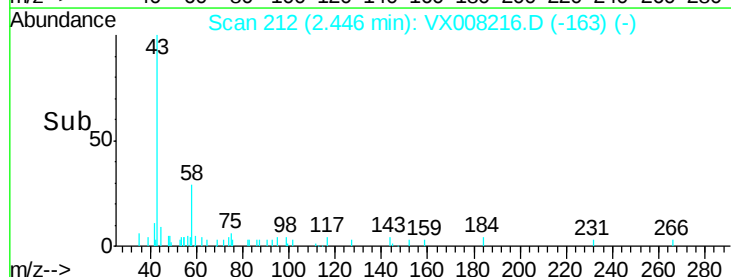
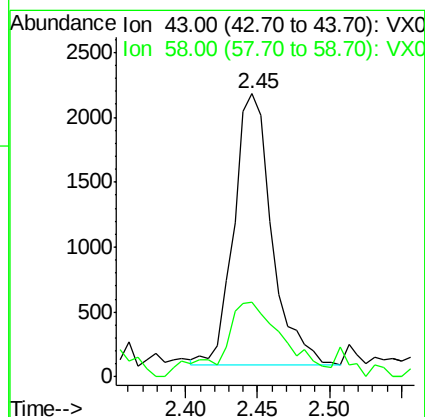
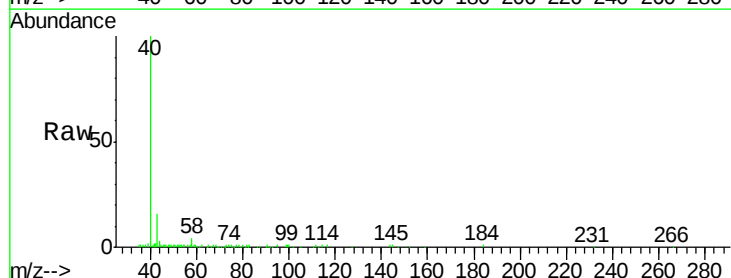
Acq: 20 Mar 2019 02:47

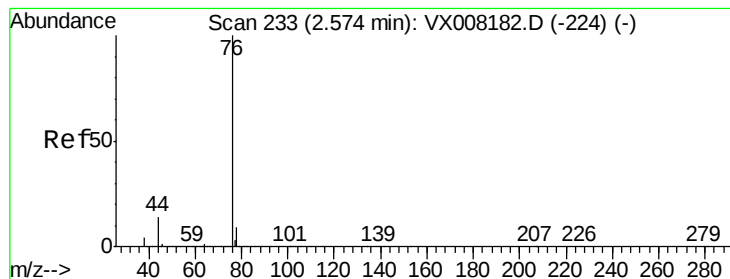
Tgt Ion: 43 Resp: 3816

Ion Ratio Lower Upper

43 100

58 23.1 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.760 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Instrument :

MSVOA_X

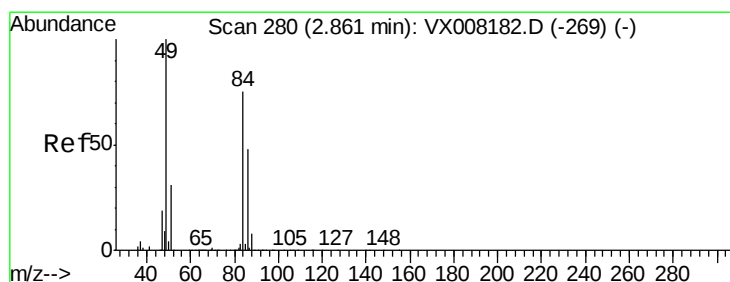
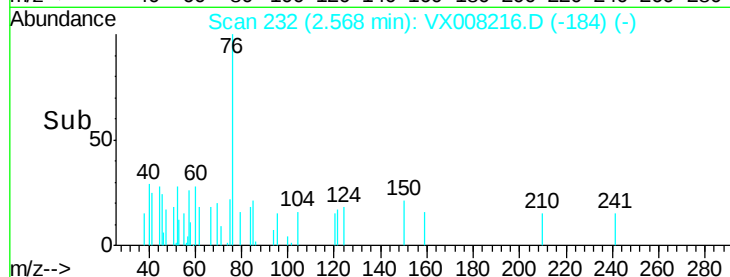
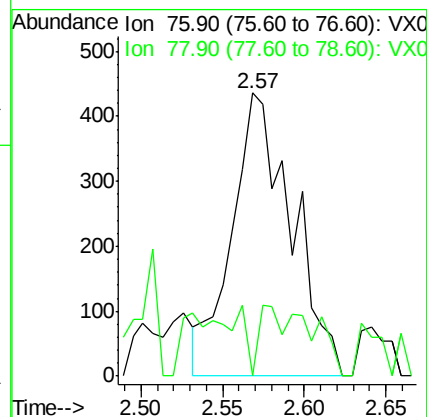
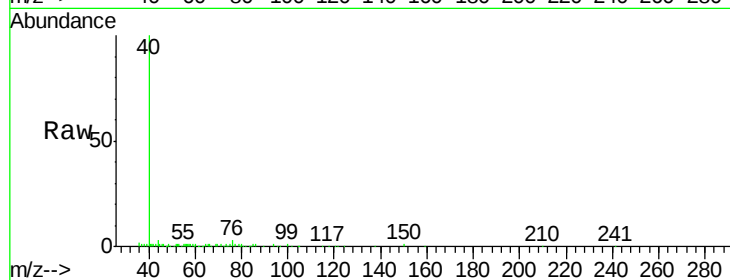
ClientSampleId :

Tot Ion: 76 Resp: 1114

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.212 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Tgt Ion: 84 Resp: 994

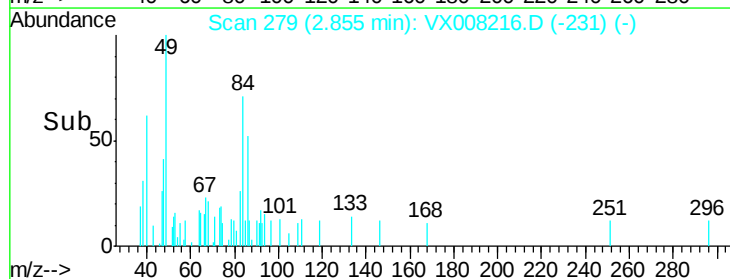
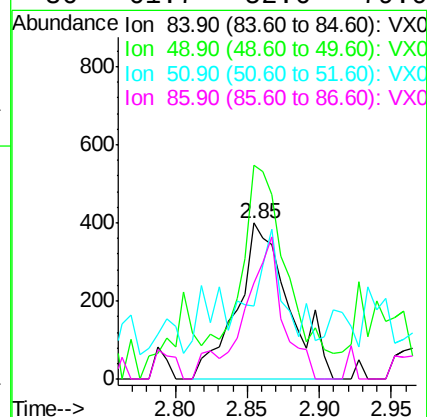
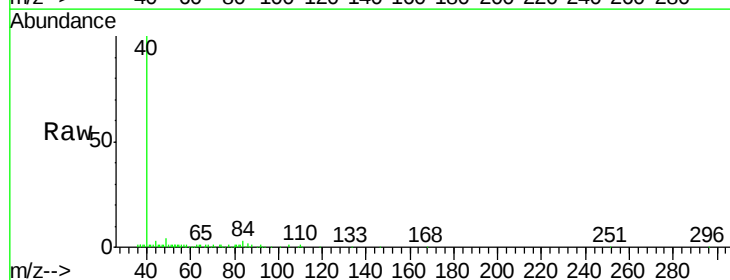
Ion Ratio Lower Upper

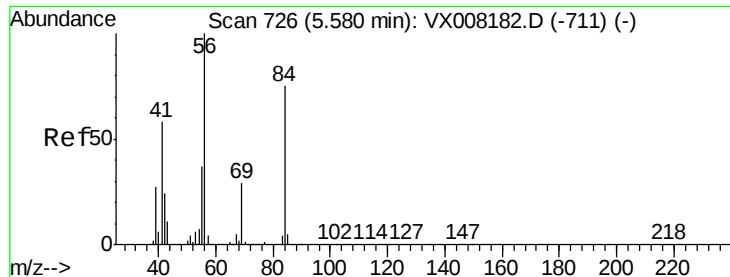
84 100

49 119.8 99.3 148.9

51 47.9 31.3 46.9#

86 61.7 52.6 79.0

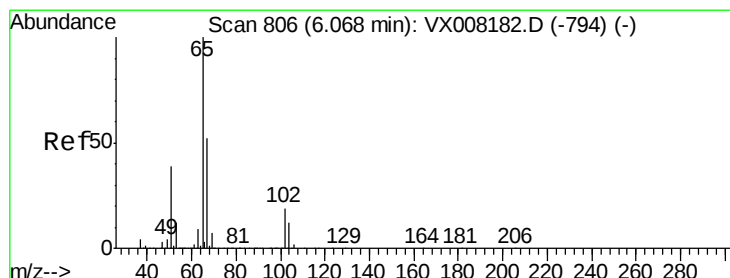
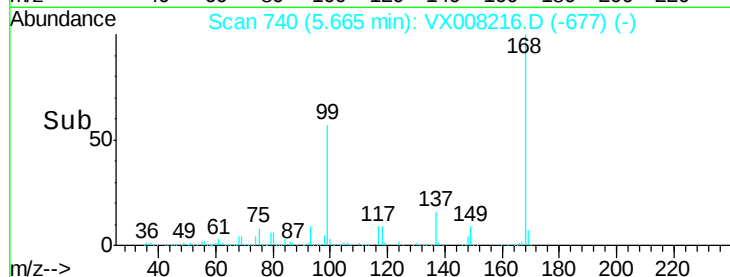
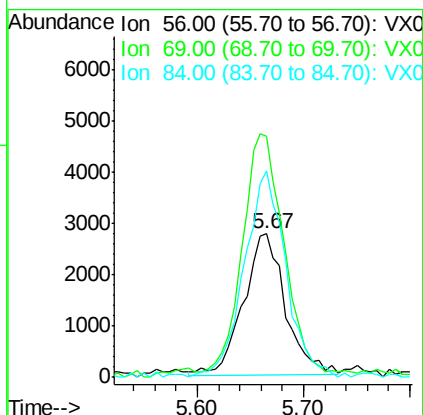
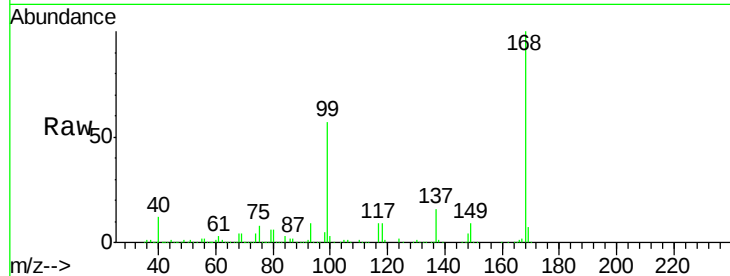




#31
Cyclohexane
Concen: 0.938 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008216.D
Acq: 20 Mar 2019 02:47

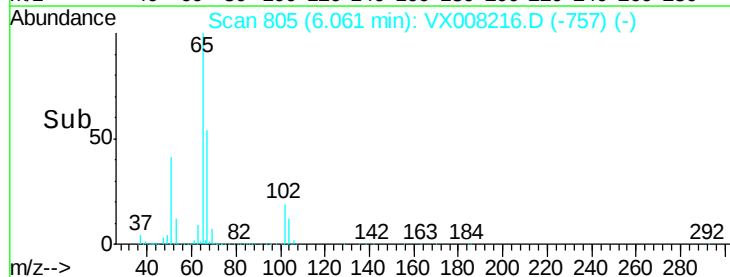
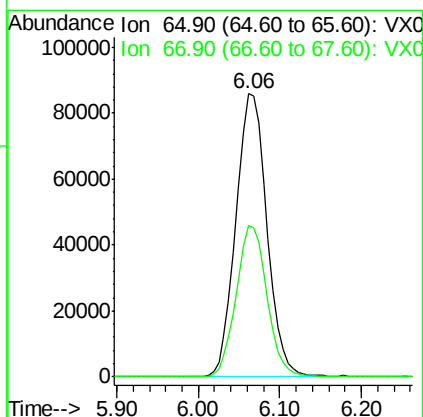
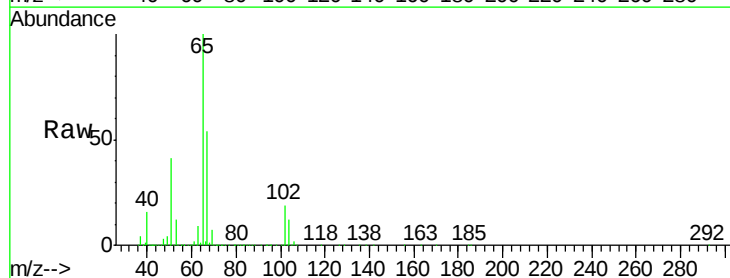
Instrument :
MSVOA_X
ClientSampled :

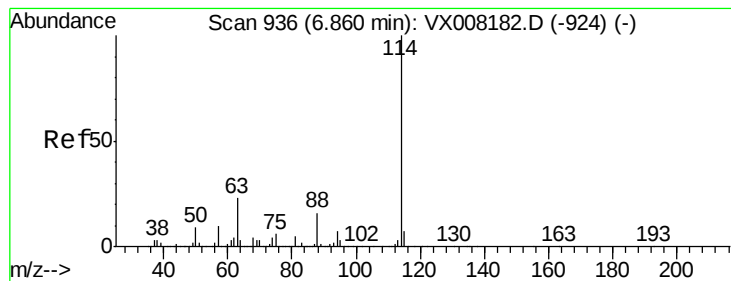
Tot Ion: 56 Resp: 7709
Ion Ratio Lower Upper
56 100
69 169.8 24.0 36.0#
84 149.0 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 45.600 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX008216.D
Acq: 20 Mar 2019 02:47

Tgt Ion: 65 Resp: 225937
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

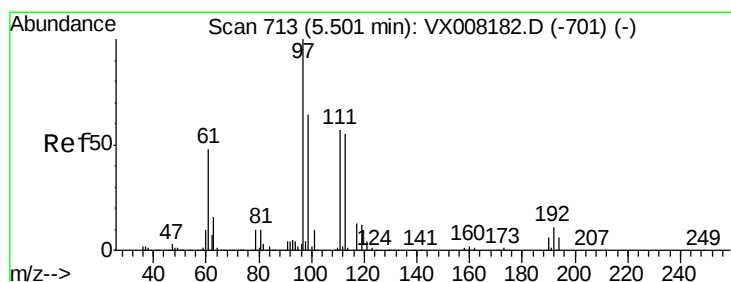
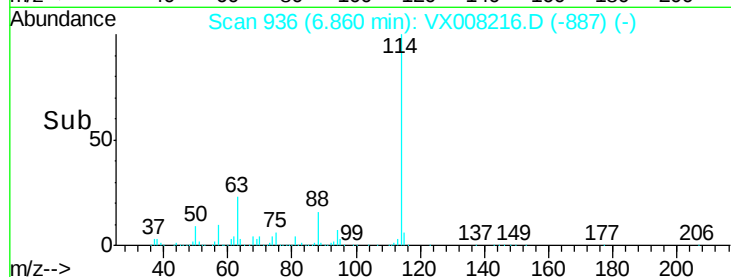
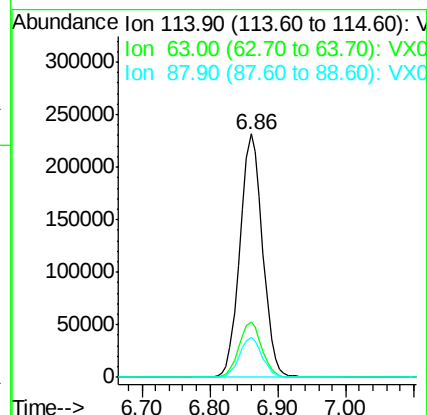
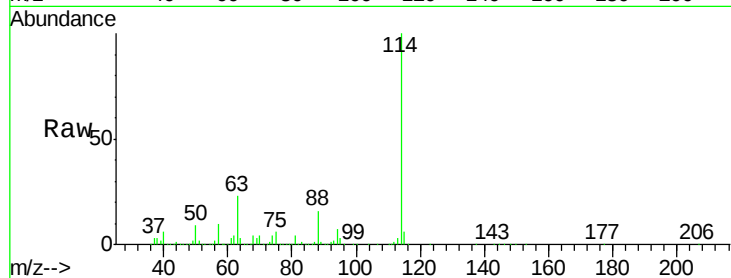
Delta R.T. 0.00 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114	Resp:	534307
Ion	Ratio	Lower Upper
114	100	
63	22.9	0.0 39.8
88	16.3	0.0 31.4



#35

Dibromofluoromethane

Concen: 47.005 ug/l

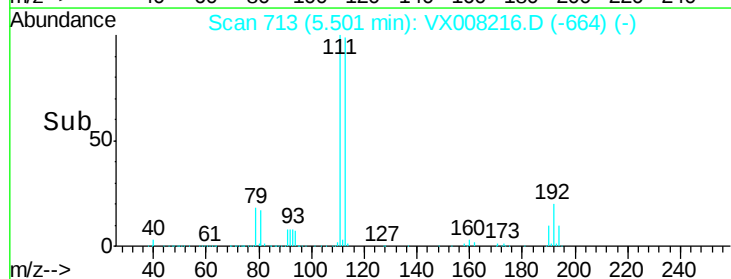
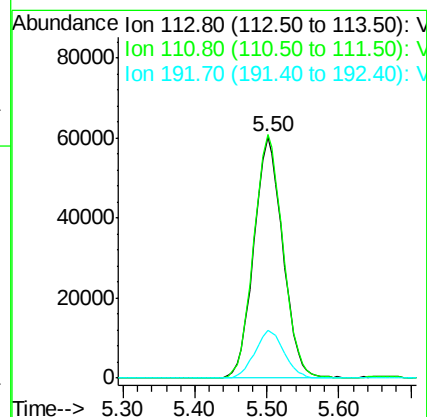
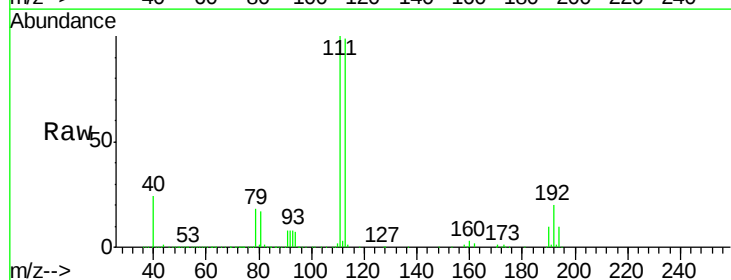
RT: 5.50 min Scan# 713

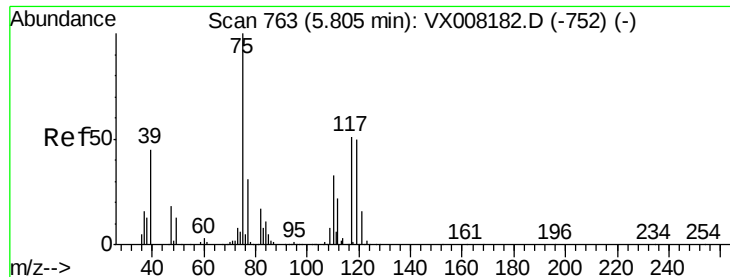
Delta R.T. -0.00 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Tgt Ion:113	Resp:	168130
Ion	Ratio	Lower Upper
113	100	
111	101.9	81.4 122.0
192	20.0	19.4 29.0





#36

1,1-Dichloropropene

Concen: 4.388 ug/l

RT: 5.66 min Scan# 739

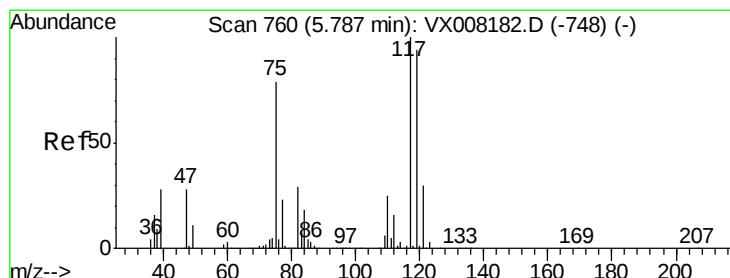
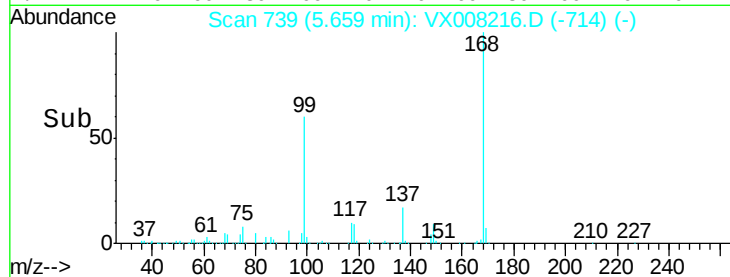
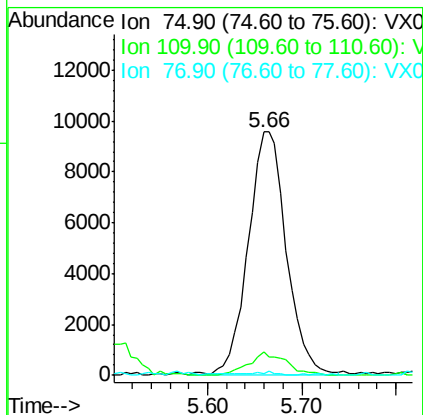
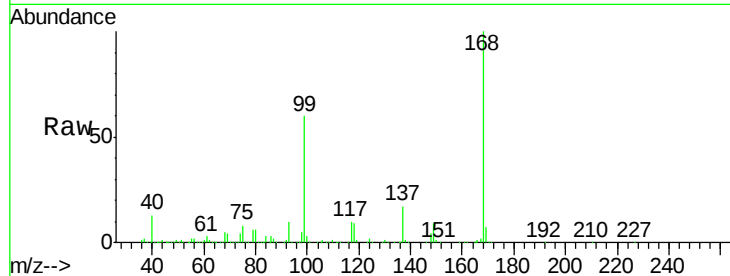
Delta R.T. -0.15 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	27296
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.0#
77	0.7	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.886 ug/l

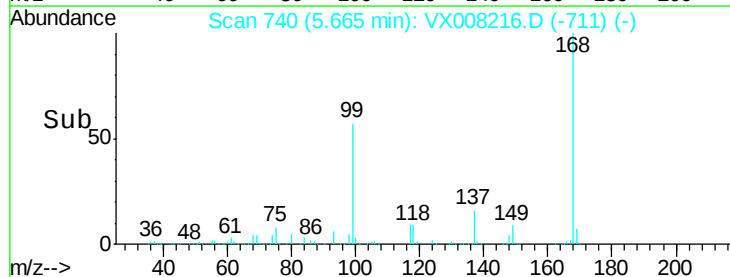
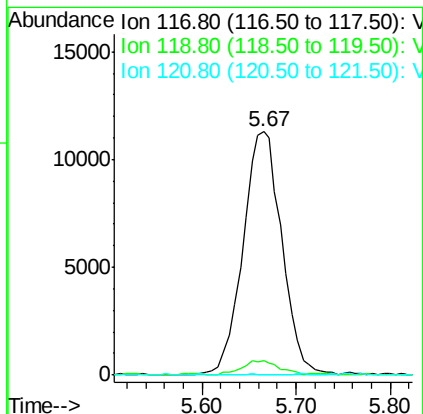
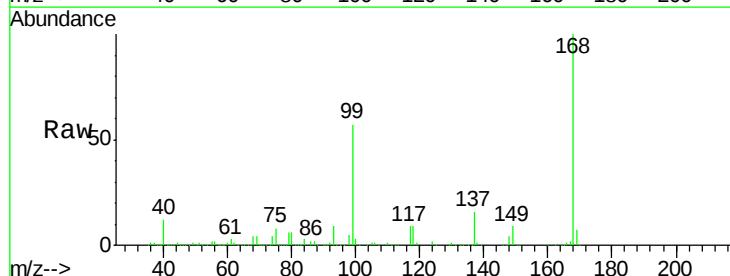
RT: 5.67 min Scan# 740

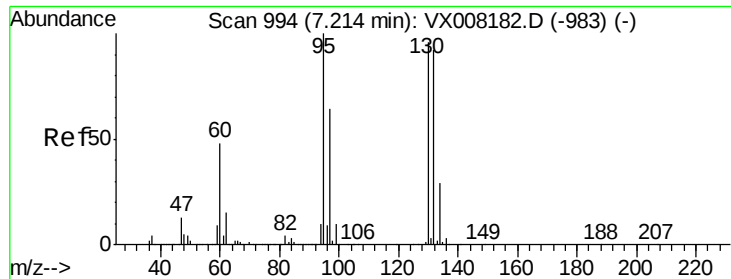
Delta R.T. -0.12 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Tgt Ion:	117	Resp:	32625
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.2	114.2#
121	0.0	24.6	36.8#

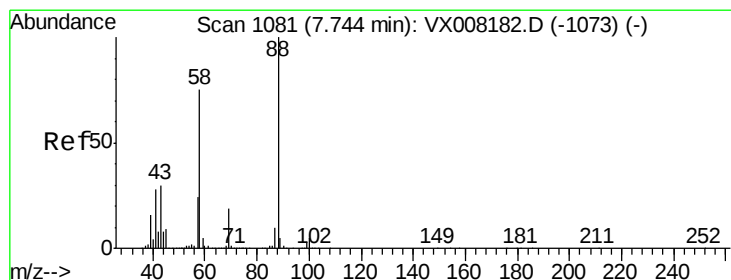
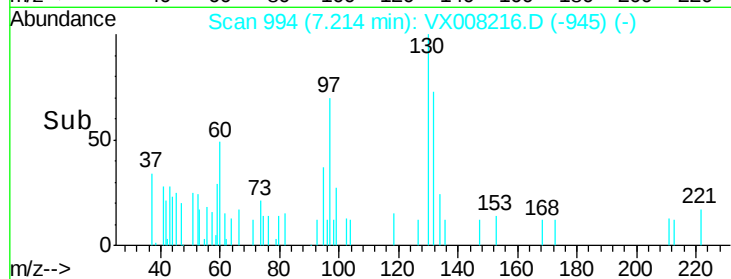
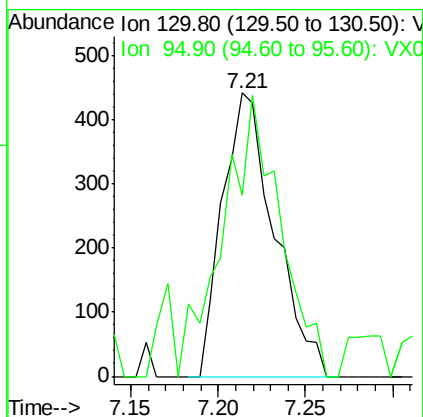
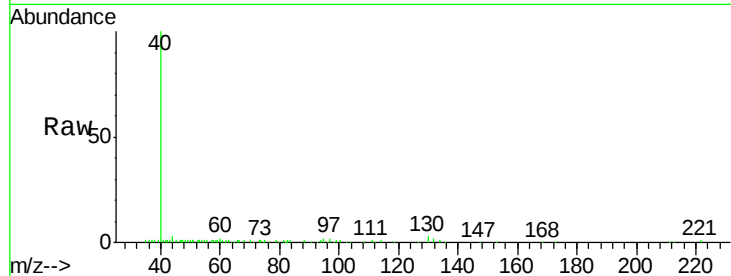




#44
 Trichloroethene
 Concen: 0.202 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008216.D
 Acq: 20 Mar 2019 02:47

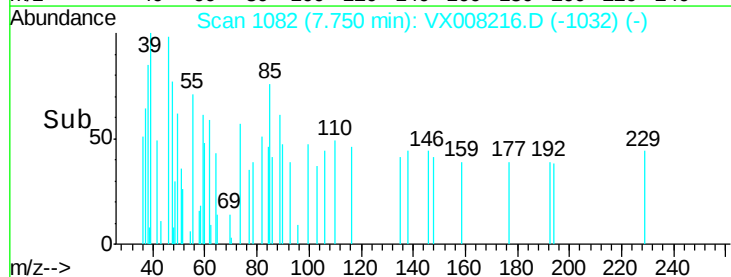
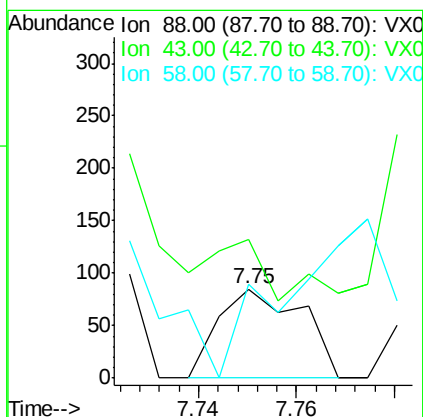
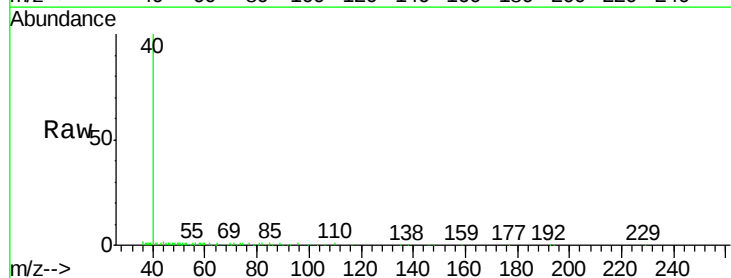
Instrument :
 MSVOA_X
 ClientSampled :

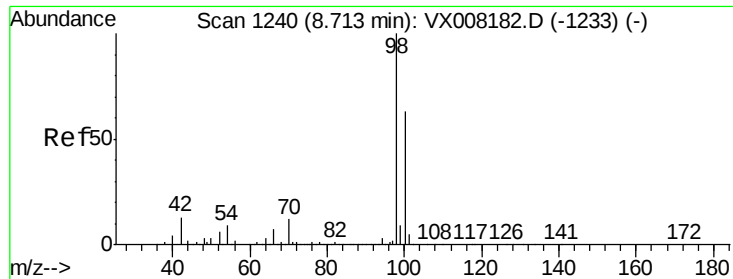
Tot Ion:130 Resp: 910
 Ion Ratio Lower Upper
 130 100
 95 63.9 0.0 188.0



#49
 1,4-Dioxane
 Concen: 0.913 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX008216.D
 Acq: 20 Mar 2019 02:47

Tgt Ion: 88 Resp: 101
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.1 37.7#
 58 0.0 57.8 86.6#

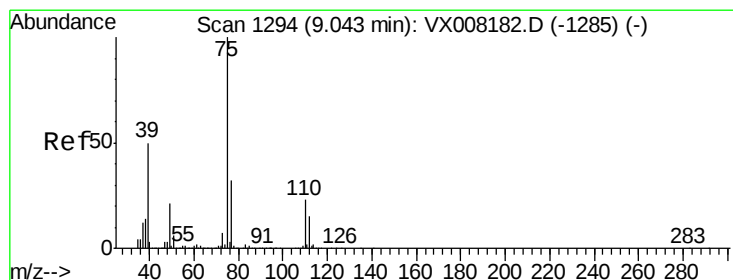
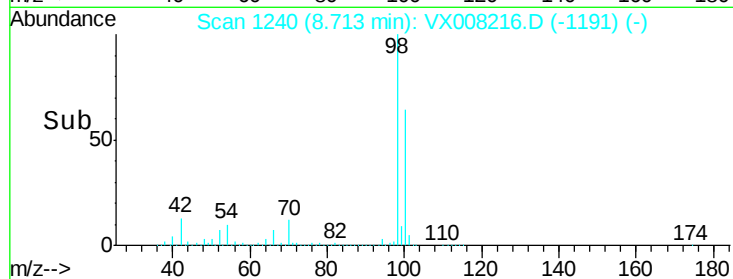
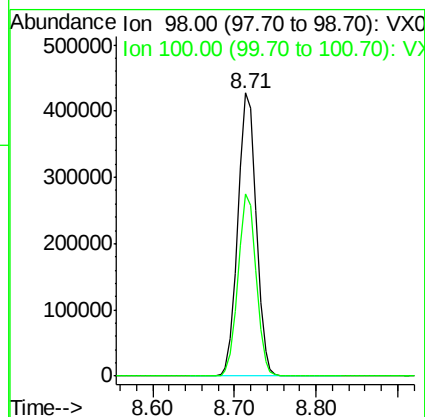
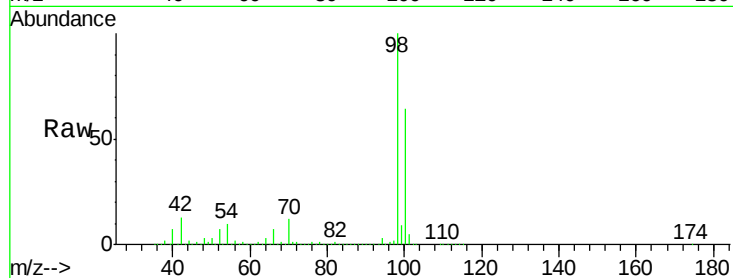




#50
Toluene-d8
Concen: 48.400 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008216.D
Acq: 20 Mar 2019 02:47

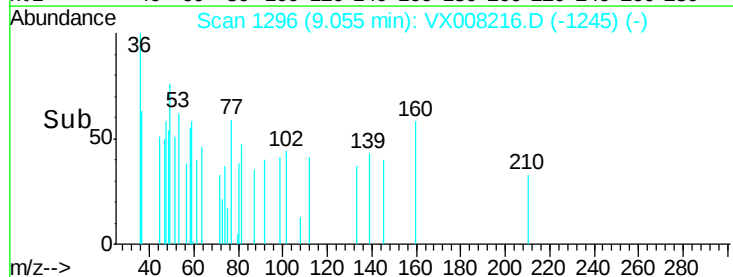
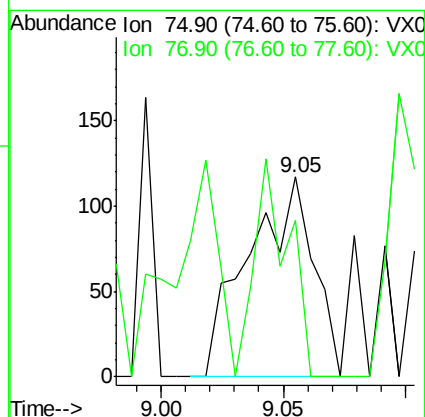
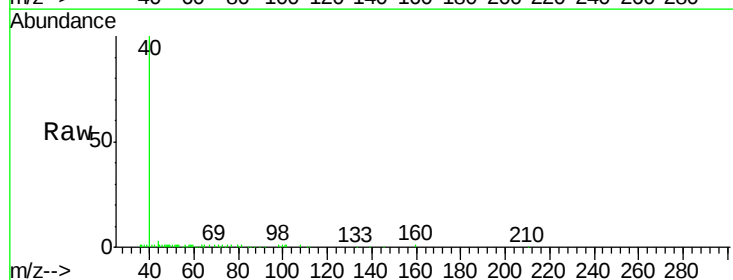
Instrument :
MSVOA_X
ClientSampleId :

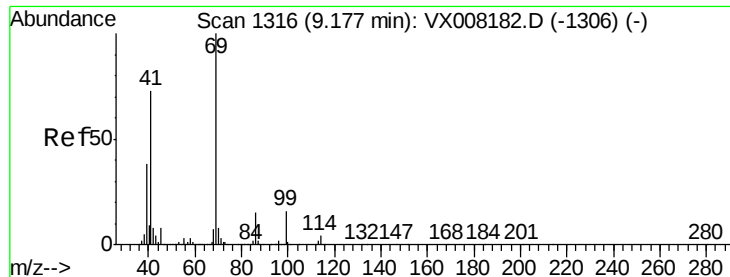
Tot Ion: 98 Resp: 656348
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.450 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VX008216.D
Acq: 20 Mar 2019 02:47

Tgt Ion: 75 Resp: 216
Ion Ratio Lower Upper
75 100
77 78.6 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.539 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

Instrument :
MSVOA_X
ClientSampled :

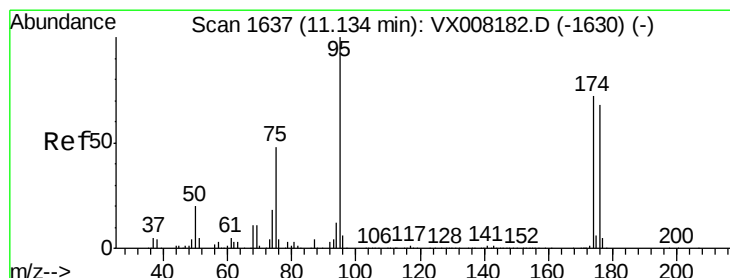
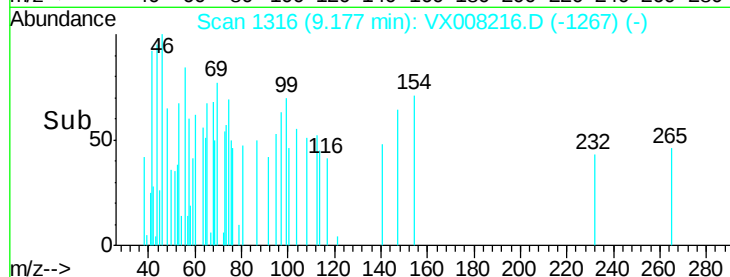
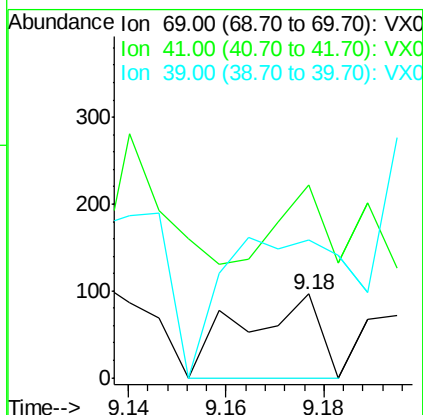
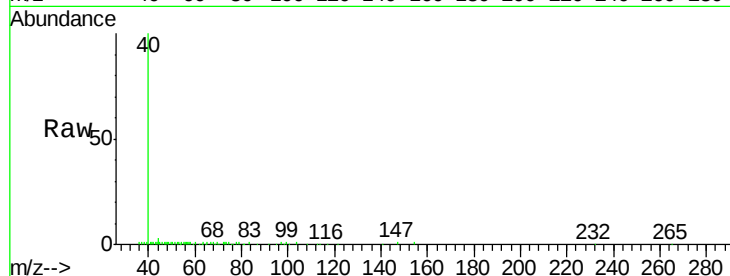
Tot Ion: 69 Resp: 105

Ion Ratio Lower Upper

69 100

41 183.8 54.2 81.4#

39 254.3 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 44.491 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008216.D

Acq: 20 Mar 2019 02:47

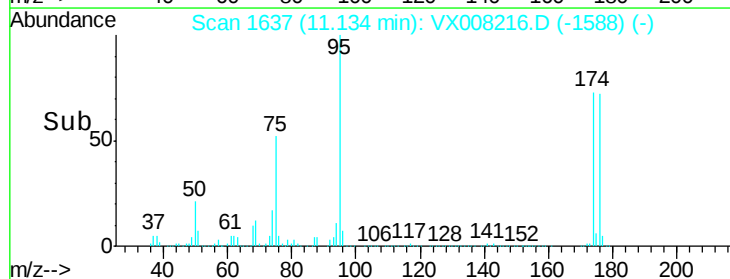
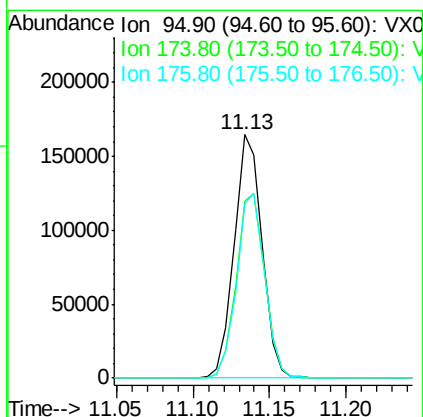
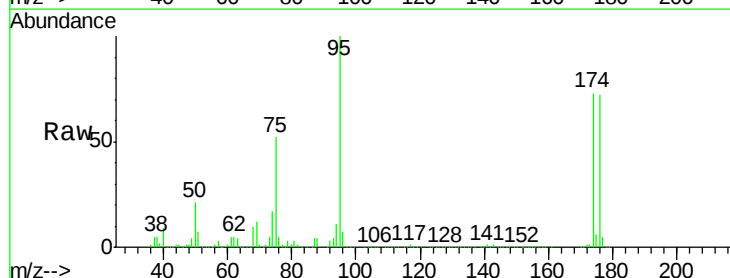
Tgt Ion: 95 Resp: 207744

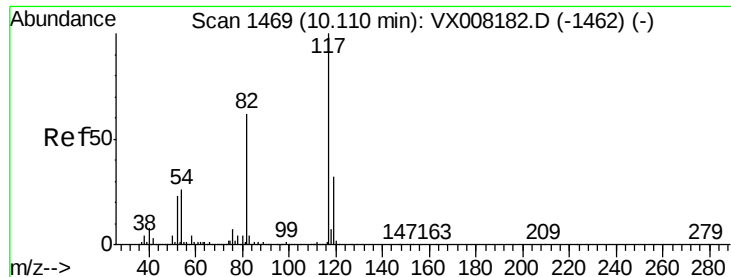
Ion Ratio Lower Upper

95 100

174 77.8 0.0 182.8

176 76.2 0.0 178.0

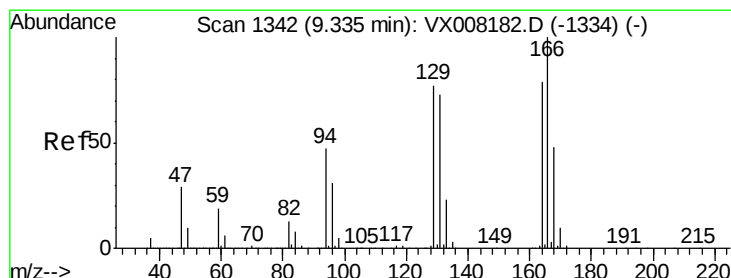
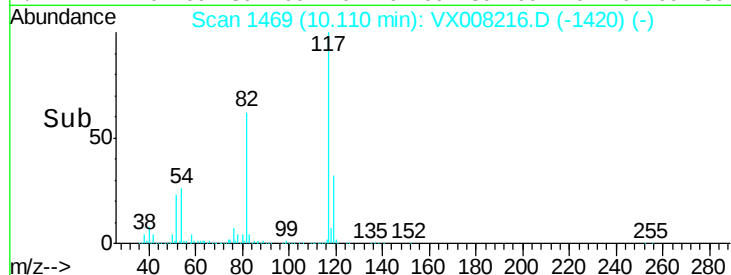
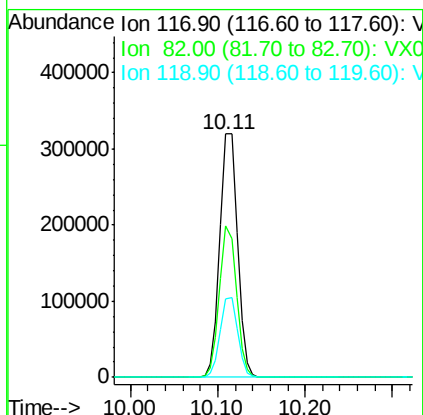
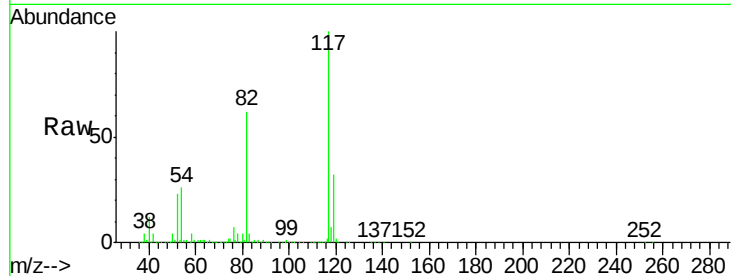




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008216.D
Acq: 20 Mar 2019 02:47

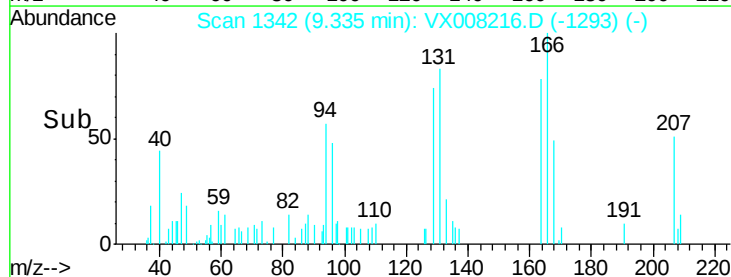
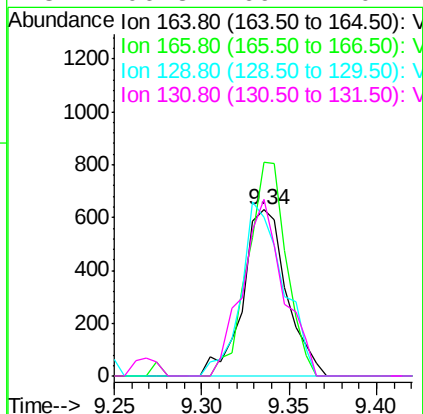
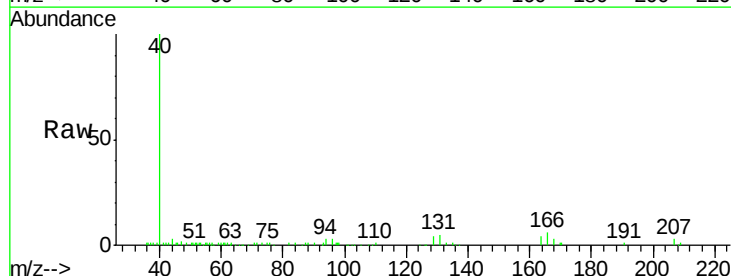
Instrument :
MSVOA_X
ClientSampleId :

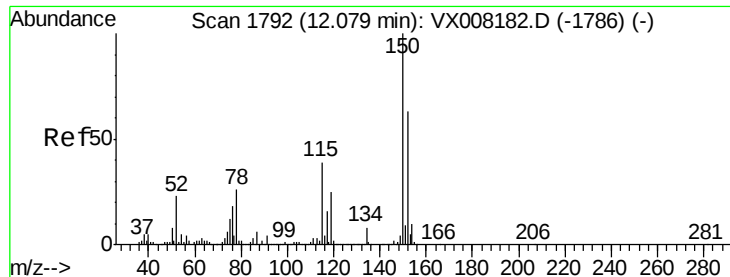
Tot Ion:117 Resp: 449099
Ion Ratio Lower Upper
117 100
82 62.2 44.3 66.5
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 0.272 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008216.D
Acq: 20 Mar 2019 02:47

Tgt Ion:164 Resp: 1102
Ion Ratio Lower Upper
164 100
166 128.4 103.4 155.0
129 95.1 72.2 108.4
131 106.3 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: VX008216.D

Acq: 20 Mar 2019 02:47

Instrument :

MSVOA_X

ClientSampleId :

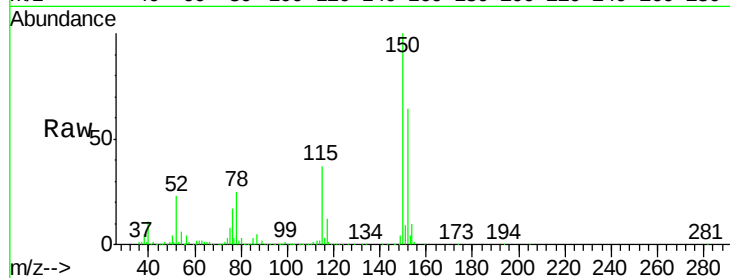
Tot Ion:152 Resp: 179221

Ion Ratio Lower Upper

152 100

115 60.5 38.6 115.7

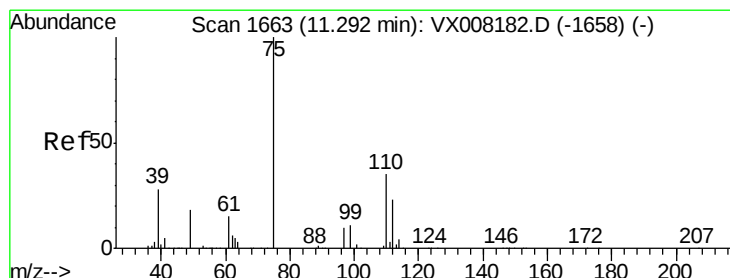
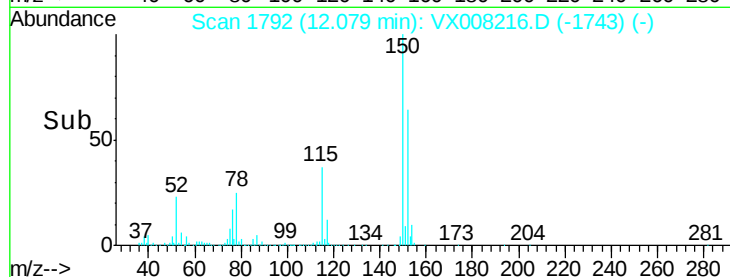
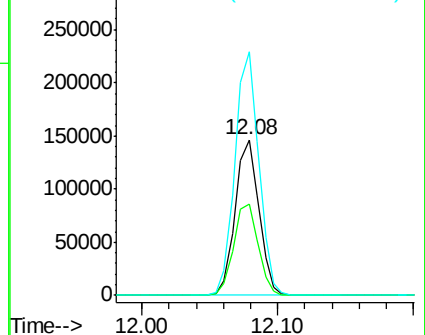
150 156.7 0.0 348.4



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: 21.572 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008216.D

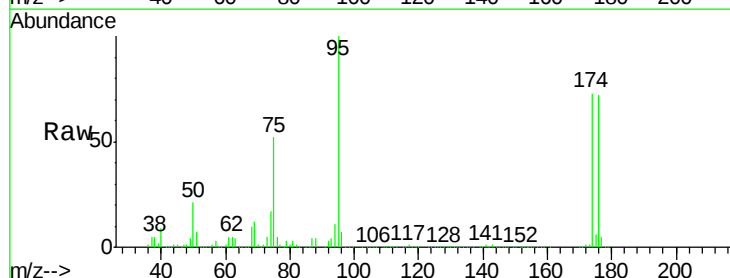
Acq: 20 Mar 2019 02:47

Tgt Ion: 75 Resp: 108742

Ion Ratio Lower Upper

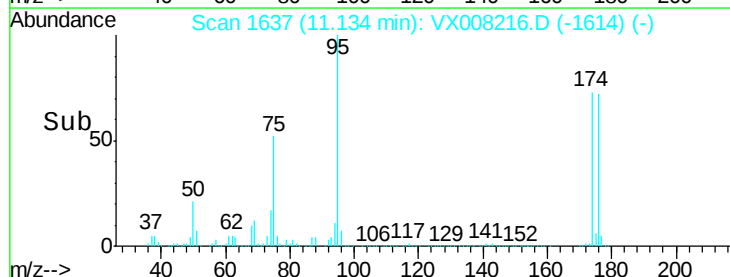
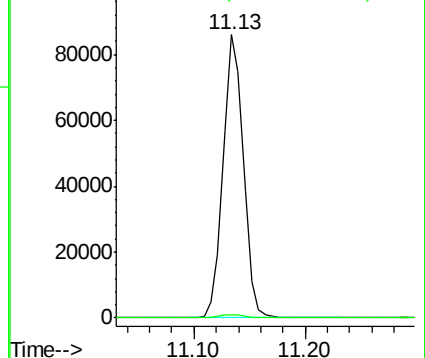
75 100

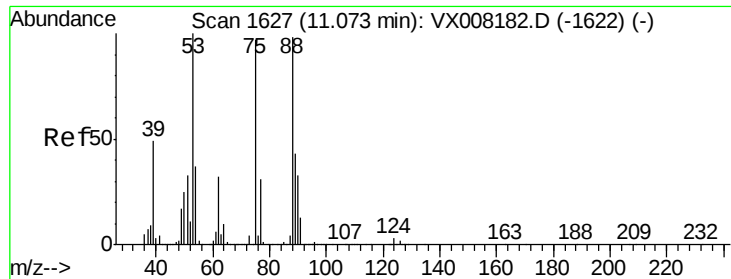
77 1.5 18.9 56.7#



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: 54.851 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008216.D
 Acq: 20 Mar 2019 02:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 108742
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.3 54.5#

