

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\
 Data File : VX008072.D
 Acq On : 14 Mar 2019 15:52
 Operator : JC/SP
 Sample : K1824-19
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P-4

Quant Time: Mar 15 04:25:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	260874	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	403475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225721	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	130723	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	5.50	113	121146	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	8.71	98	493546	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.14	95	201987	57.94	ug/l	0.00
Spiked Amount			Recovery	=	115.88%	

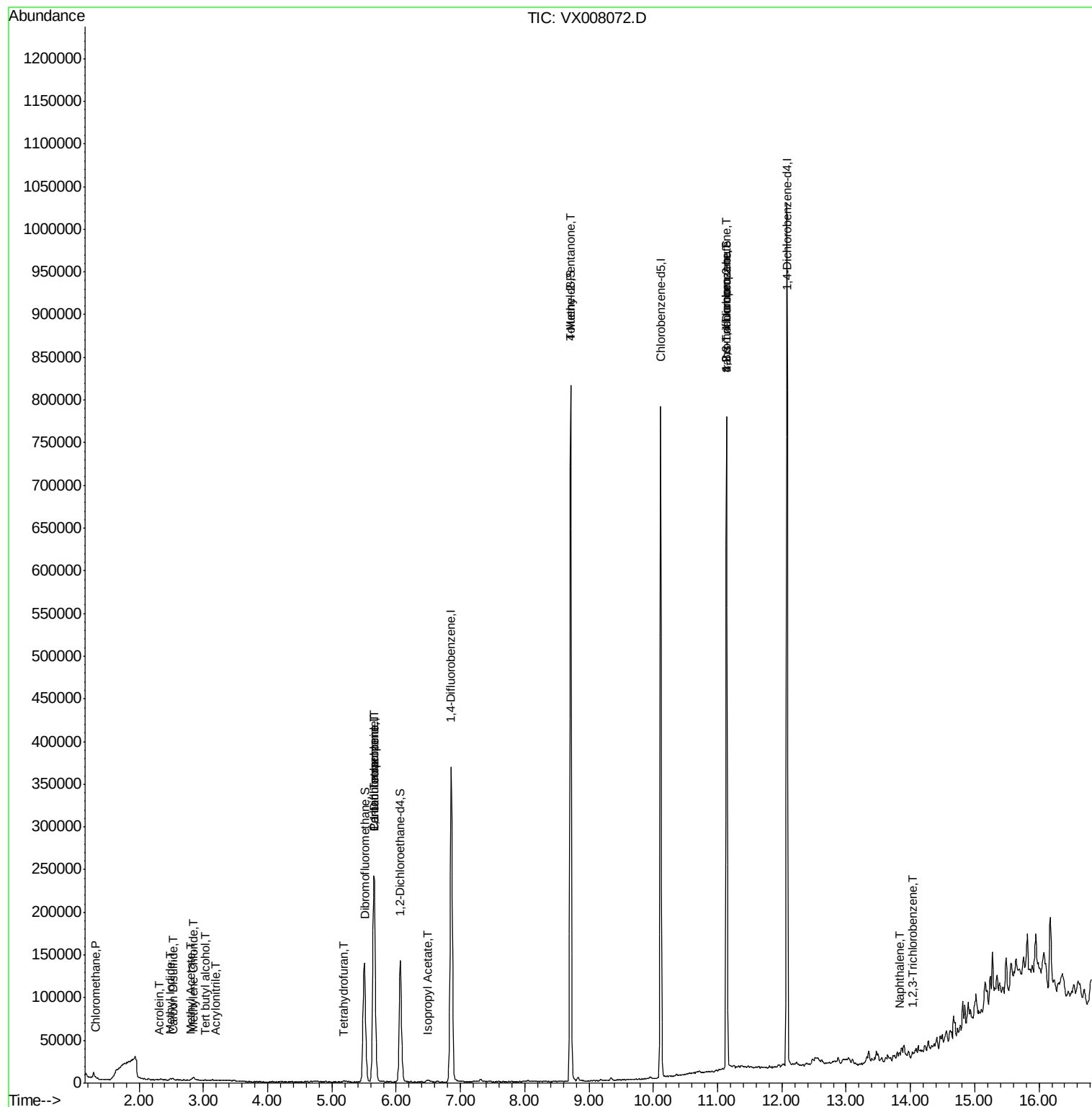
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	988	0.402	ug/l #	85
5) Bromomethane	1.64	94	954	Below Cal		90
6) Chloroethane	1.73	64	164	Below Cal	#	64
10) Methyl Iodide	2.48	142	951	0.323	ug/l	97
11) Tert butyl alcohol	3.03	59	416	0.818	ug/l #	73
13) Acrolein	2.31	56	140	0.299	ug/l #	74
15) Acrylonitrile	3.18	53	342	0.276	ug/l #	94
17) Carbon Disulfide	2.53	76	1773	0.310	ug/l #	73
18) Methyl Acetate	2.81	43	1725	0.642	ug/l #	73
20) Methylene Chloride	2.84	84	1540	0.694	ug/l #	83
29) Tetrahydrofuran	5.18	42	1126	0.946	ug/l #	87
36) 1,1-Dichloropropene	5.65	75	15600	4.700	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21993	6.884	ug/l #	16
43) Isopropyl Acetate	6.48	43	1225	0.213	ug/l #	60
51) 4-Methyl-2-Pentanone	8.71	43	1897	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	89512	22.834	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	89512	64.977	ug/l #	11
95) Naphthalene	13.83	128	3083	0.222	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.03	180	979	0.201	ug/l #	55

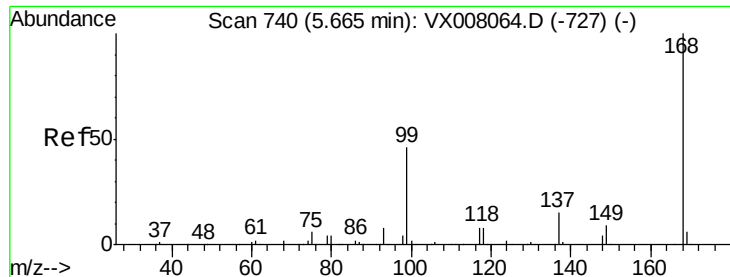
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :
P-4

Quant Time: Mar 15 04:25:03 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

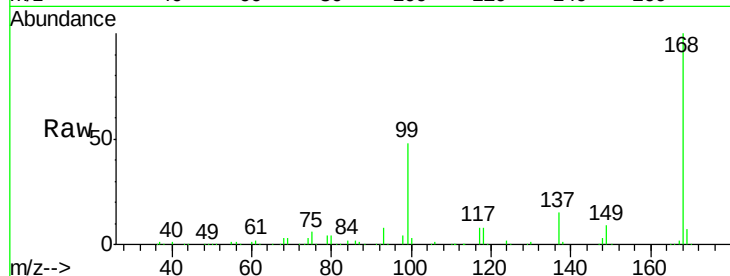
P-4

Tot Ion:168 Resp: 260874

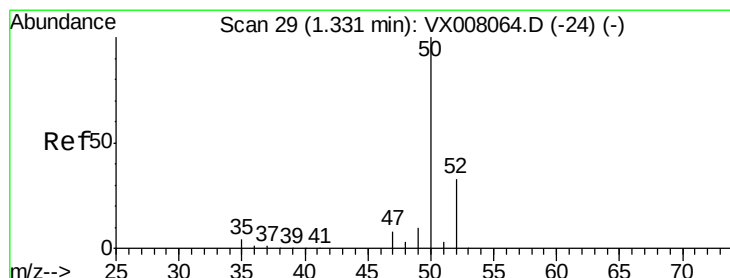
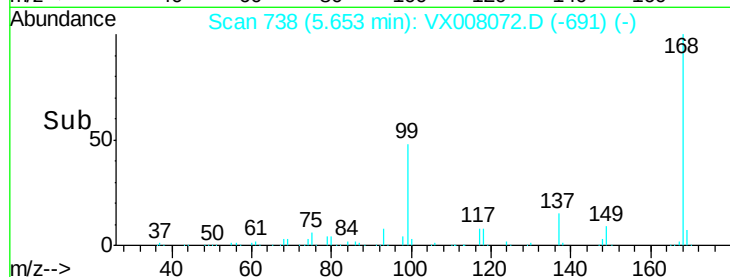
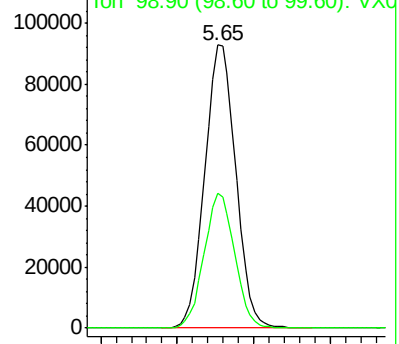
Ion Ratio Lower Upper

168 100

99 47.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V



#3

Chloromethane

Concen: 0.402 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX008072.D

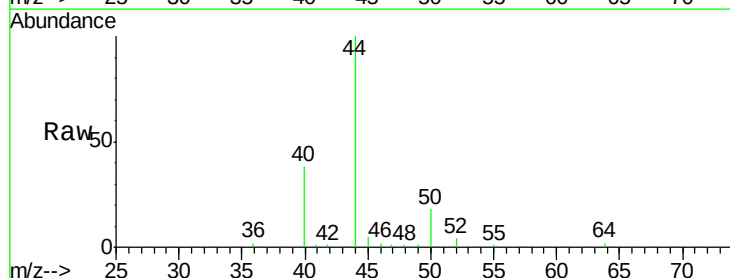
Acq: 14 Mar 2019 15:52

Tgt Ion: 50 Resp: 988

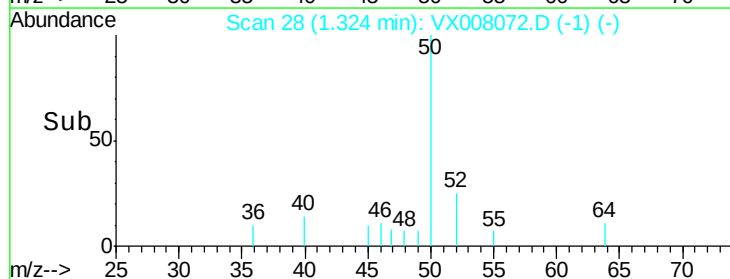
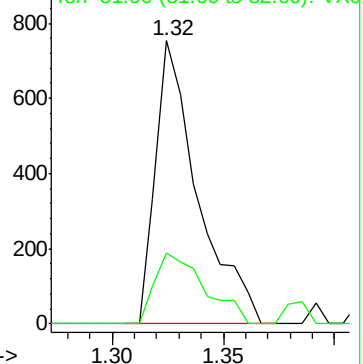
Ion Ratio Lower Upper

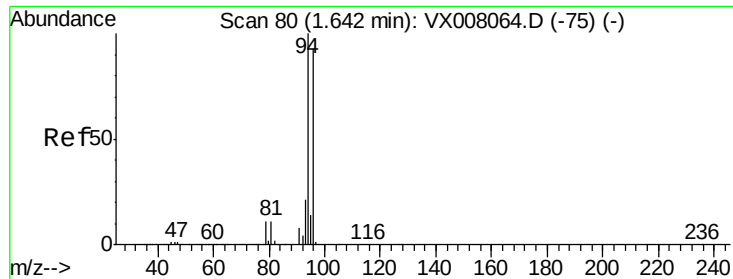
50 100

52 24.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

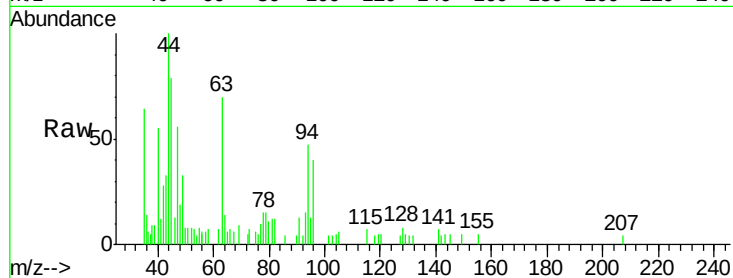
P-4

Tot Ion: 94 Resp: 954

Ion Ratio Lower Upper

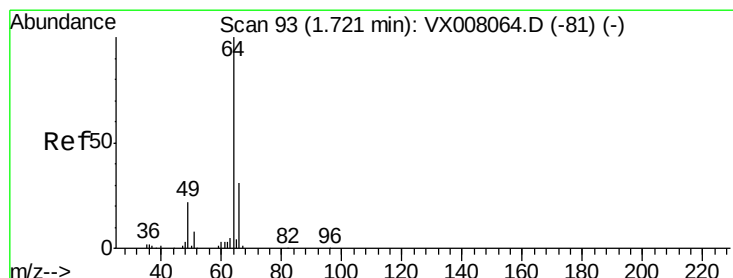
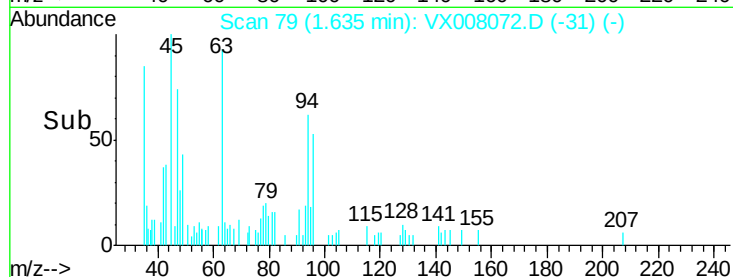
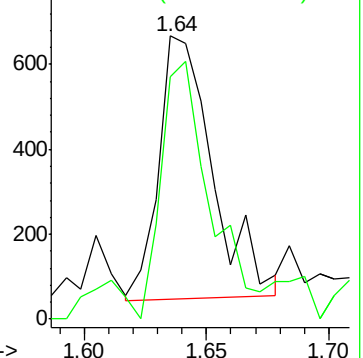
94 100

96 84.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008072.D

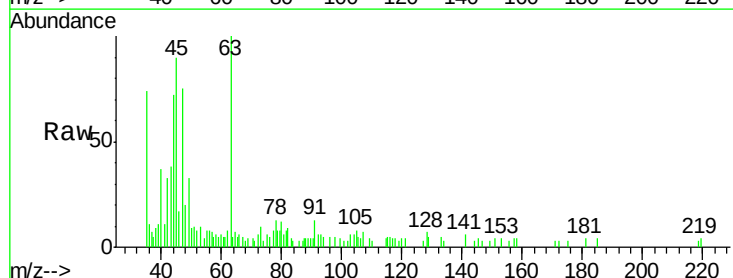
Acq: 14 Mar 2019 15:52

Tgt Ion: 64 Resp: 164

Ion Ratio Lower Upper

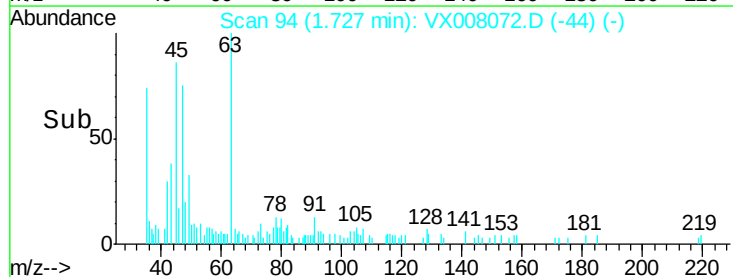
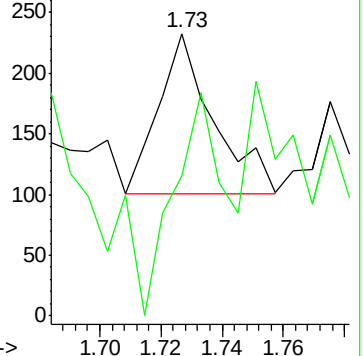
64 100

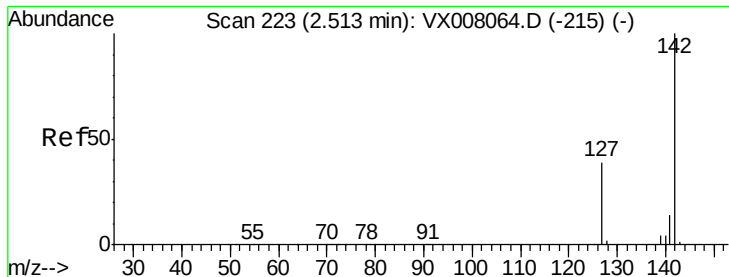
66 11.4 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

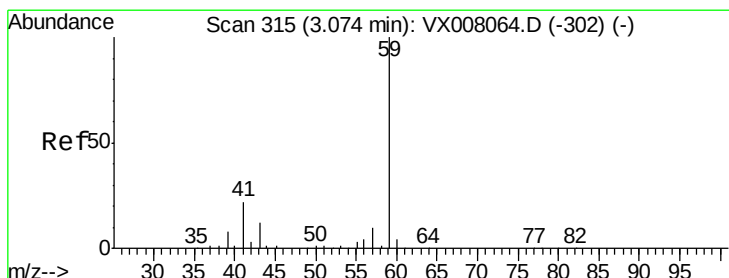
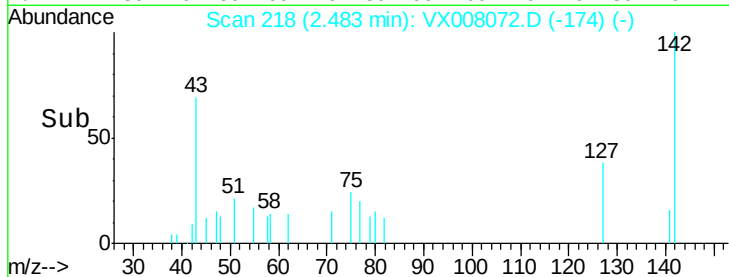
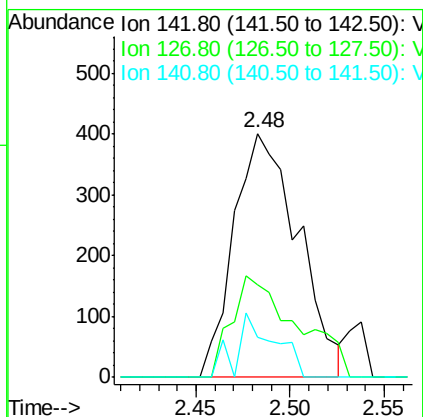
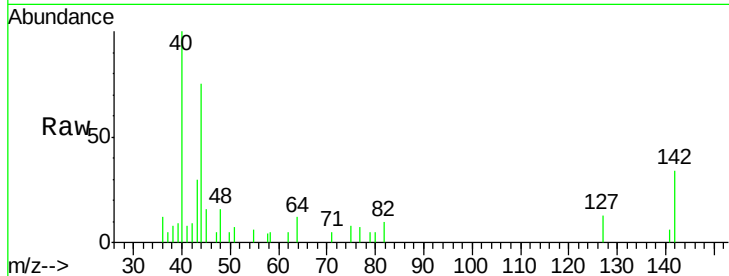




#10
Methyl Iodide
Concen: 0.323 ug/l
RT: 2.48 min Scan# 218
Delta R.T. -0.03 min
Lab File: VX008072.D
Acq: 14 Mar 2019 15:52

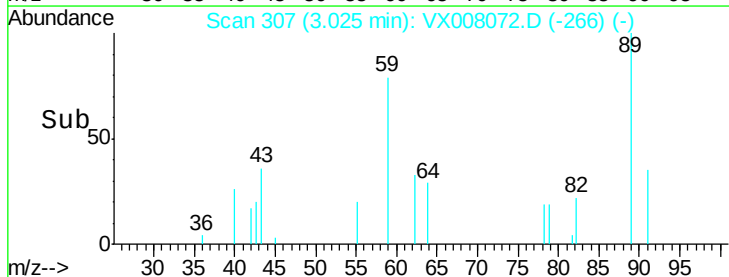
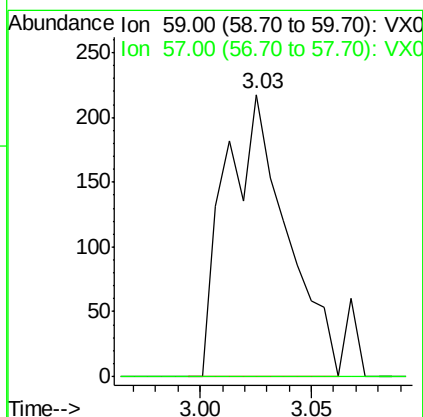
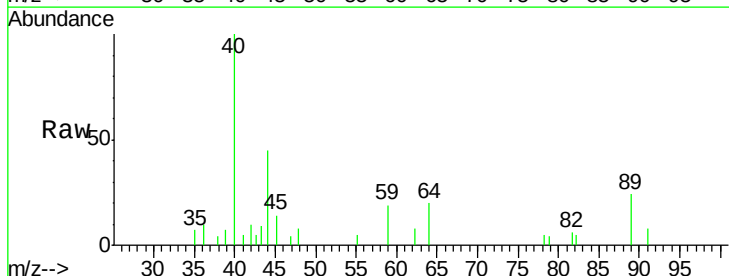
Instrument :
MSVOA_X
ClientSampled :
P-4

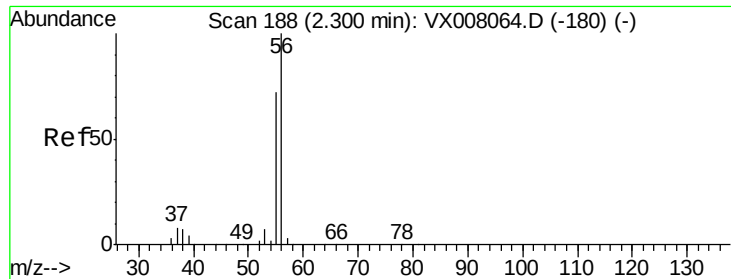
Tot Ion:142 Resp: 951
Ion Ratio Lower Upper
142 100
127 42.3 32.1 48.1
141 15.6 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.818 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX008072.D
Acq: 14 Mar 2019 15:52

Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.299 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

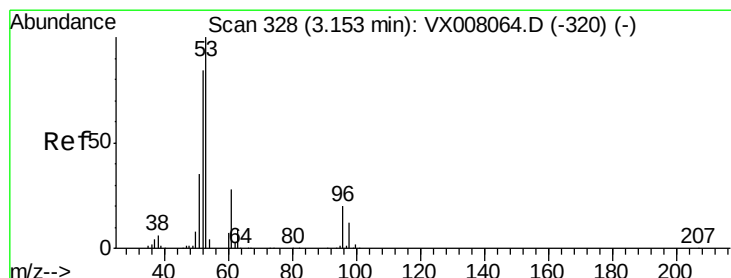
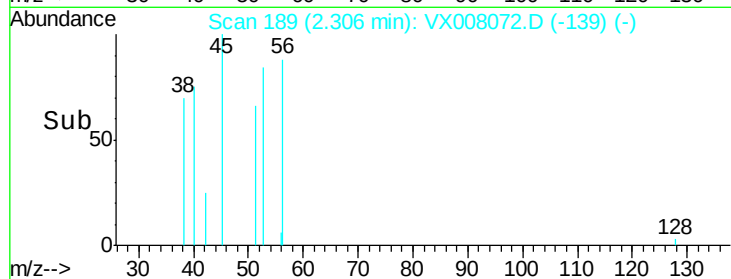
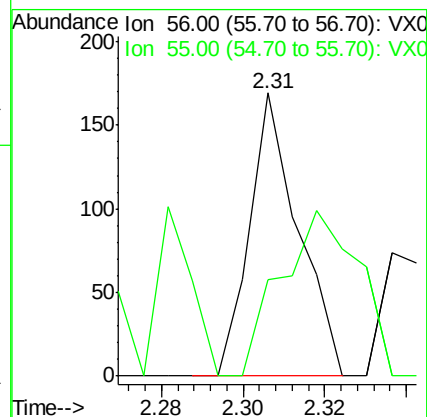
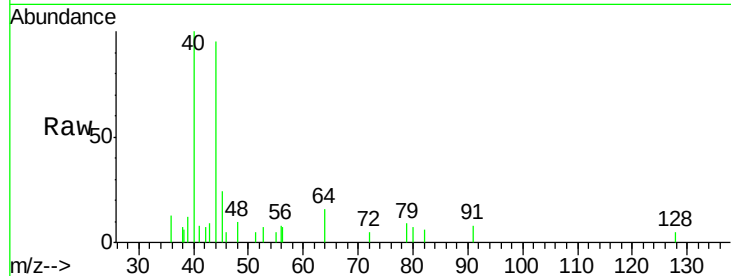
P-4

Tot Ion: 56 Resp: 140

Ion Ratio Lower Upper

56 100

55 93.6 57.8 86.6#



#15

Acrylonitrile

Concen: 0.276 ug/l

RT: 3.18 min Scan# 333

Delta R.T. 0.03 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

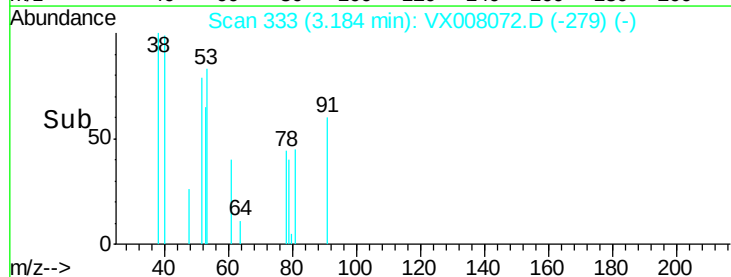
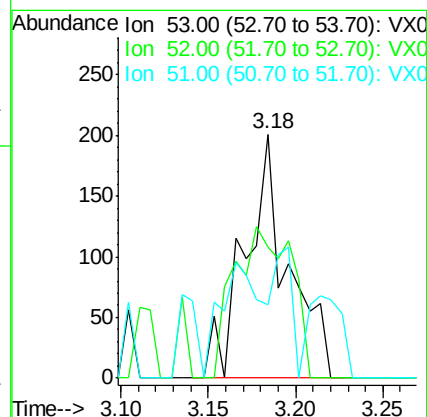
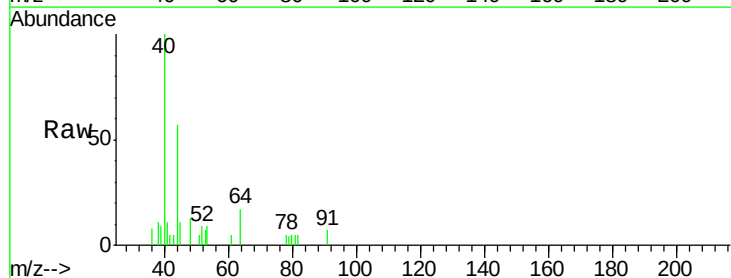
Tgt Ion: 53 Resp: 342

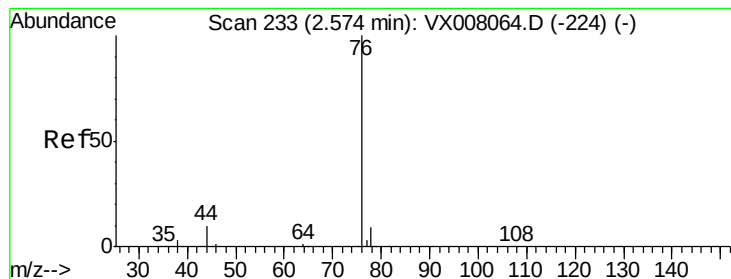
Ion Ratio Lower Upper

53 100

52 83.6 66.0 99.0

51 45.3 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.310 ug/l

RT: 2.53 min Scan# 226

Delta R.T. -0.04 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

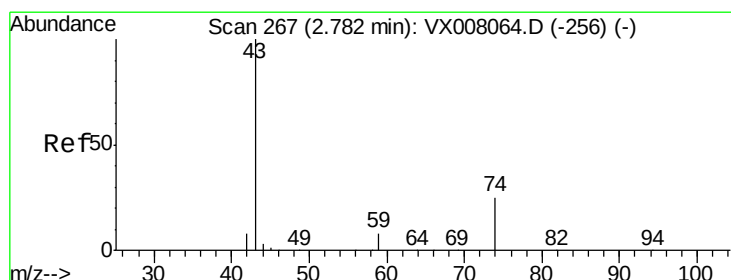
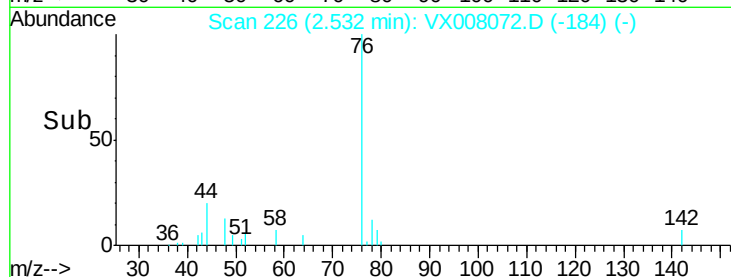
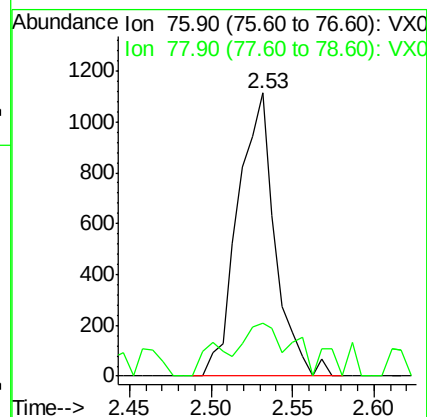
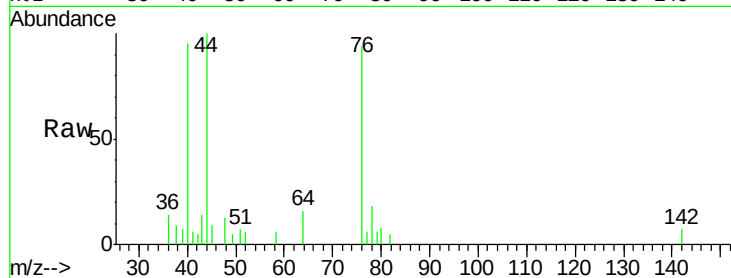
P-4

Tot Ion: 76 Resp: 1773

Ion Ratio Lower Upper

76 100

78 18.9 7.2 10.8#



#18

Methyl Acetate

Concen: 0.642 ug/l

RT: 2.81 min Scan# 271

Delta R.T. 0.02 min

Lab File: VX008072.D

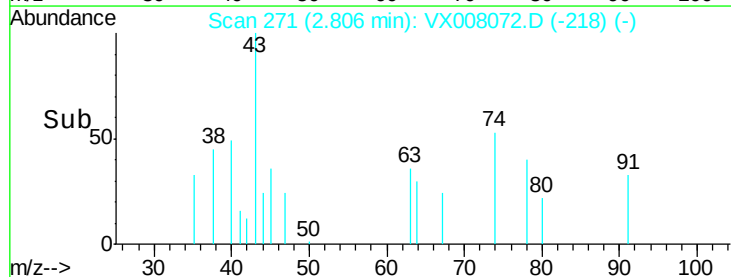
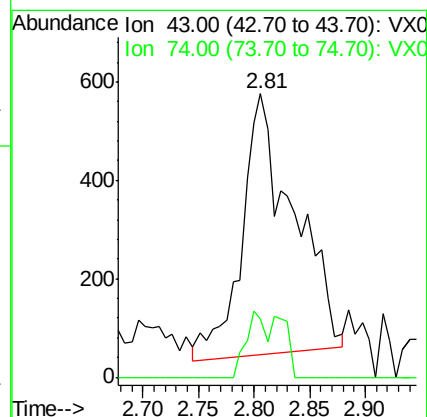
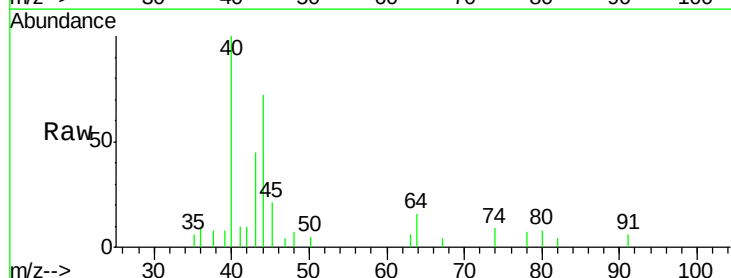
Acq: 14 Mar 2019 15:52

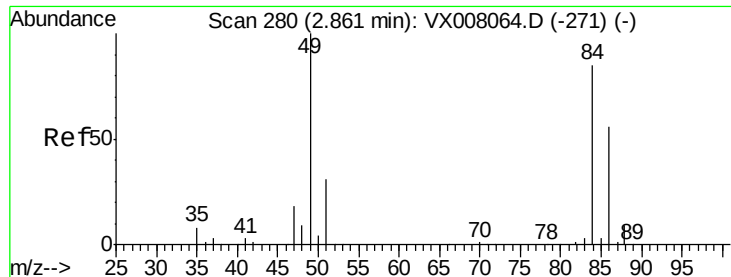
Tgt Ion: 43 Resp: 1725

Ion Ratio Lower Upper

43 100

74 9.5 17.8 26.6#

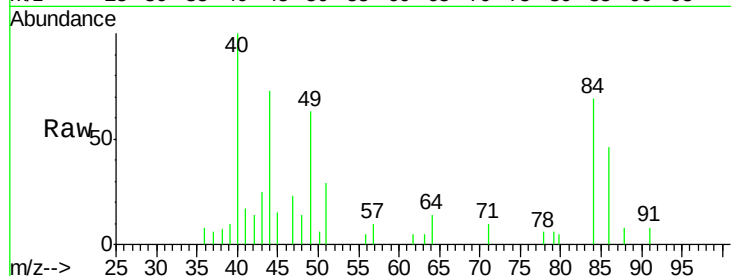




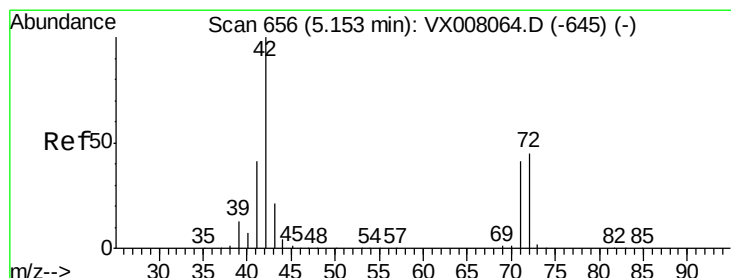
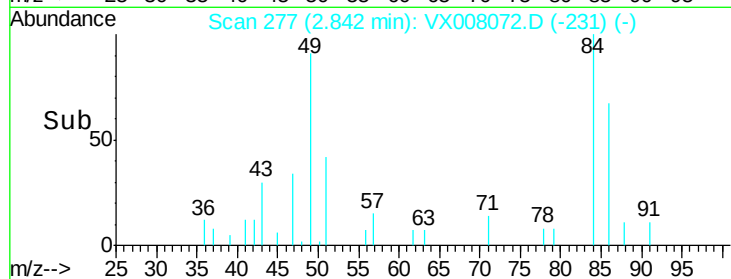
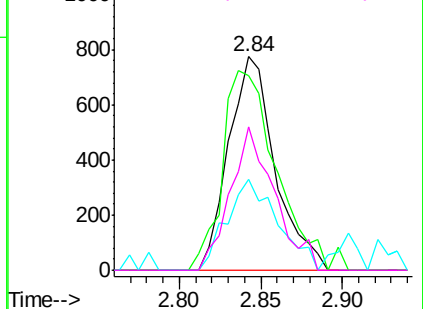
#20
Methvlene Chloride
Concen: 0.694 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX008072.D
Acq: 14 Mar 2019 15:52

Instrument :
MSVOA_X
ClientSampleId :
P-4

Tot Ion:	84	Resp:	1540
Ion	Ratio	Lower	Upper
84	100		
49	91.1	99.3	148.9#
51	42.5	31.3	46.9
86	67.0	52.6	79.0

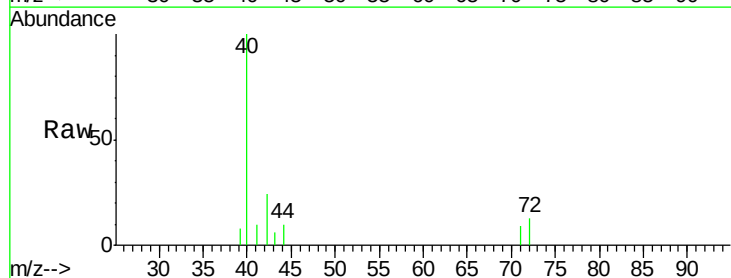


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

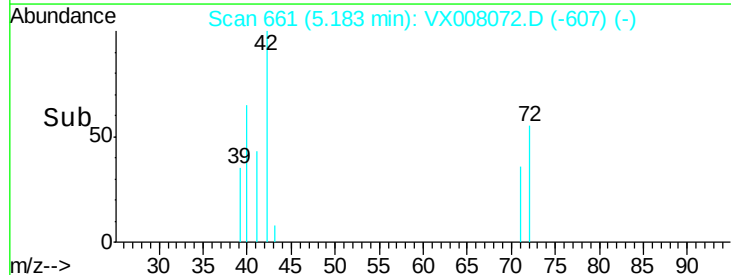
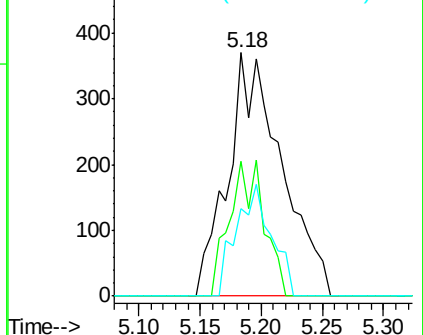


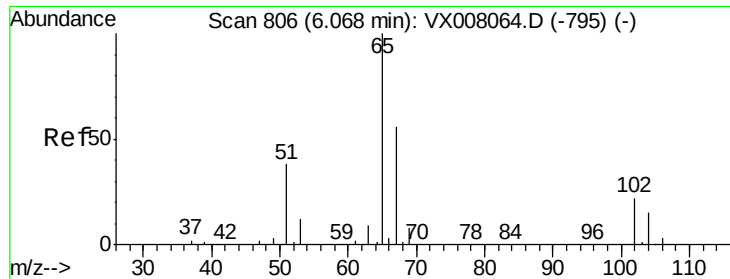
#29
Tetrahydrofuran
Concen: 0.946 ug/l
RT: 5.18 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX008072.D
Acq: 14 Mar 2019 15:52

Tgt Ion:	42	Resp:	1126
Ion	Ratio	Lower	Upper
42	100		
72	35.8	33.8	50.6
71	30.0	31.5	47.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

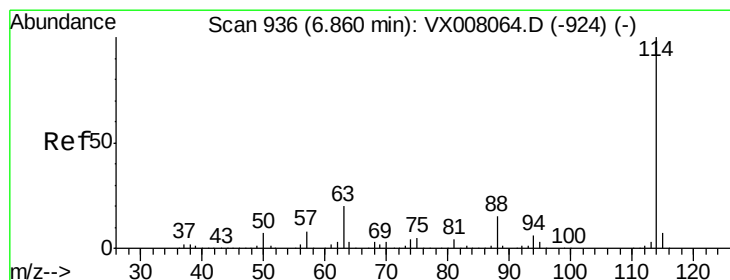
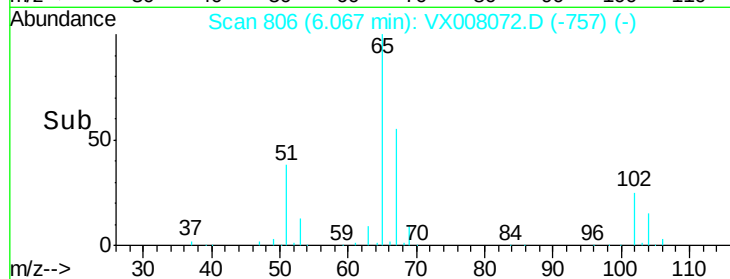
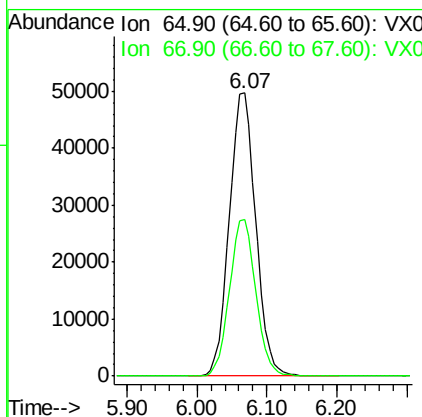
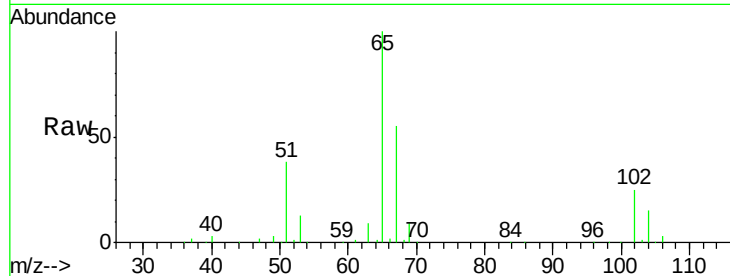




#33
 1,2-Dichloroethane-d4
 Concen: 49.675 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008072.D
 Acq: 14 Mar 2019 15:52

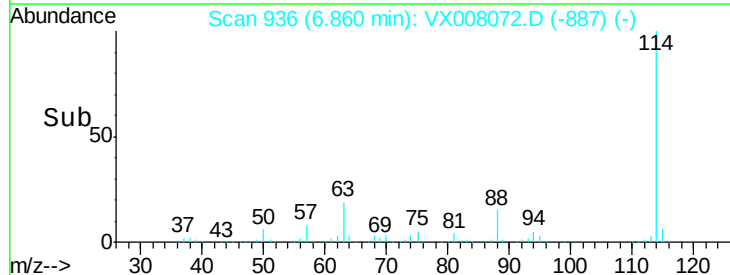
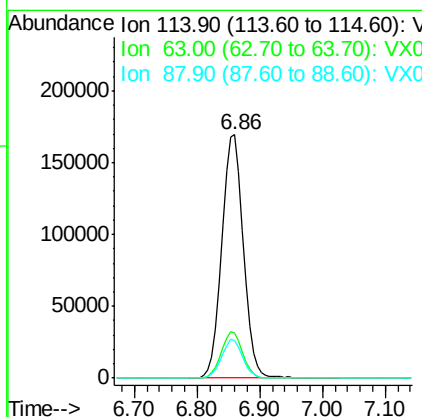
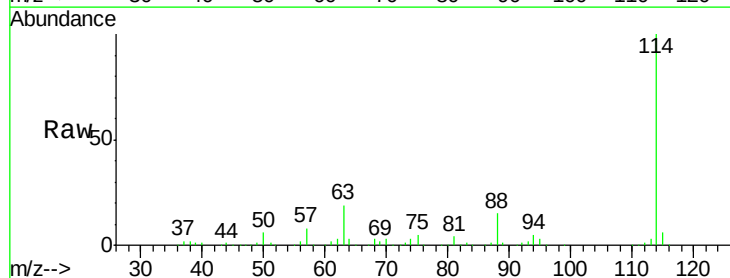
Instrument :
 MSVOA_X
 ClientSampled :
 P-4

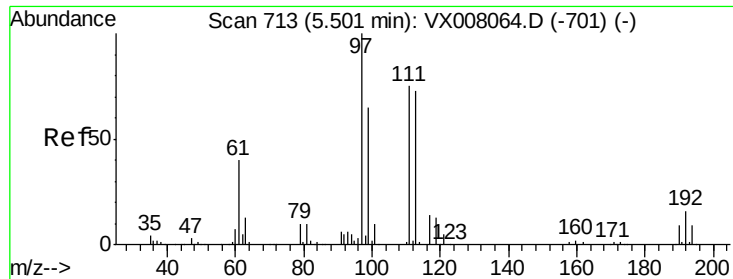
Tot Ion: 65 Resp: 130723
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008072.D
 Acq: 14 Mar 2019 15:52

Tgt Ion: 114 Resp: 403475
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.8
 88 15.4 0.0 31.4

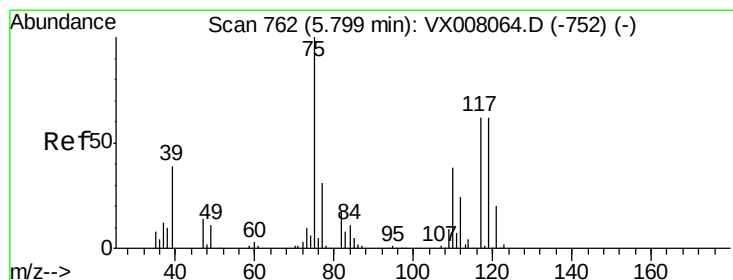
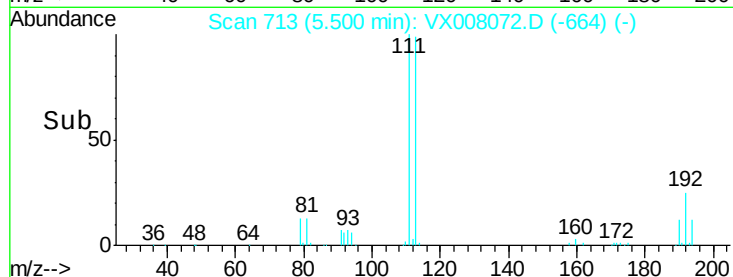
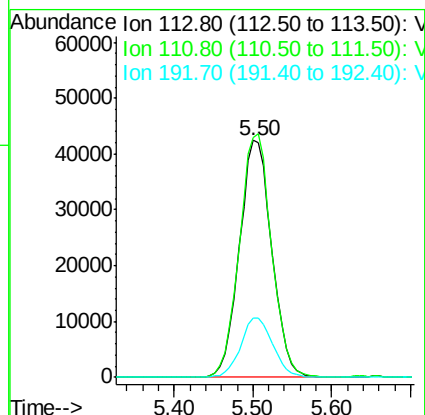
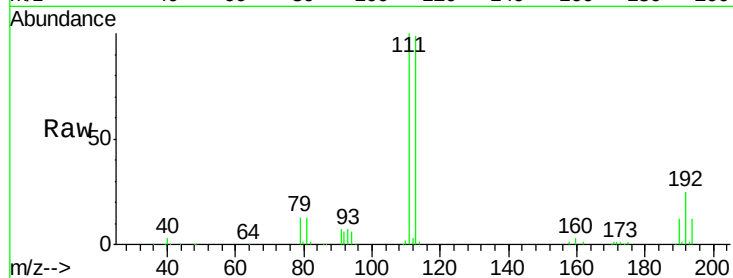




#35
 Dibromofluoromethane
 Concen: 47.348 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008072.D
 Acq: 14 Mar 2019 15:52

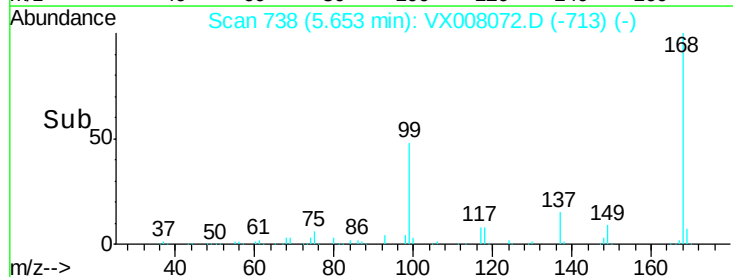
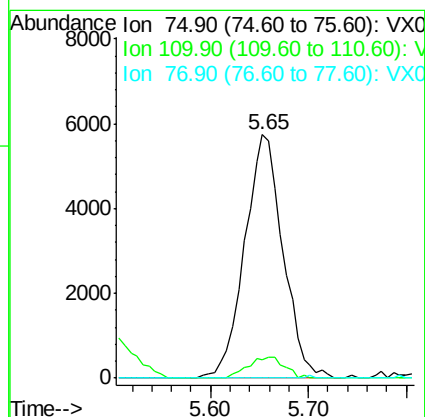
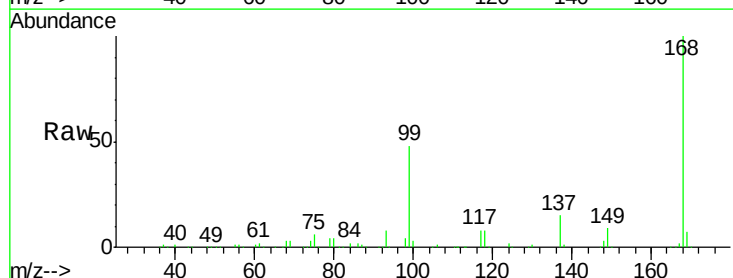
Instrument :
 MSVOA_X
 ClientSampled :
 P-4

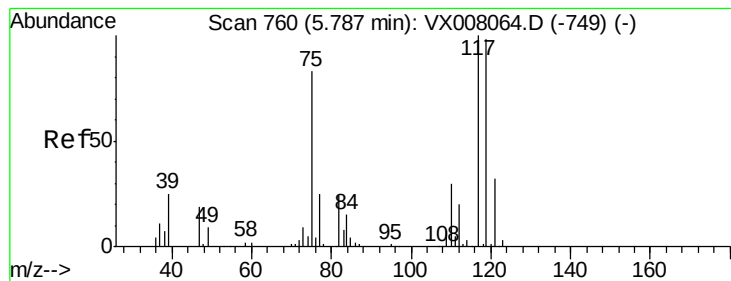
Tot Ion:113 Resp: 121146
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.0
 192 24.7 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008072.D
 Acq: 14 Mar 2019 15:52

Tgt Ion: 75 Resp: 15600
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.884 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

P-4

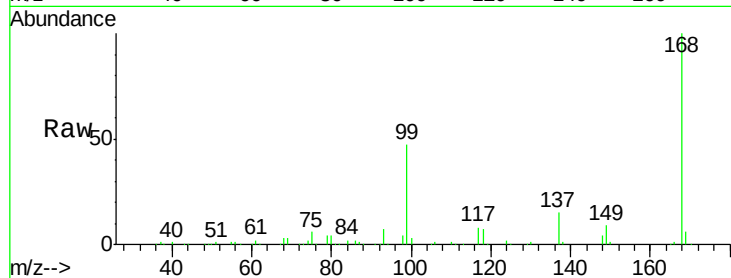
Tot Ion:117 Resp: 21993

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

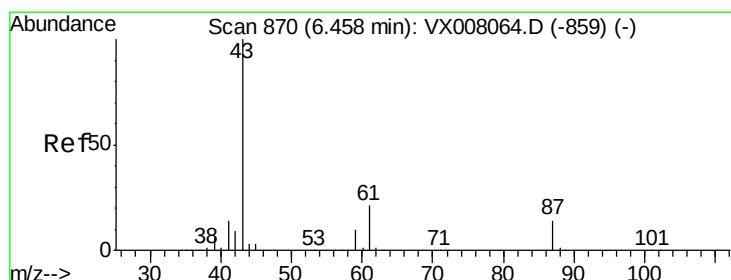
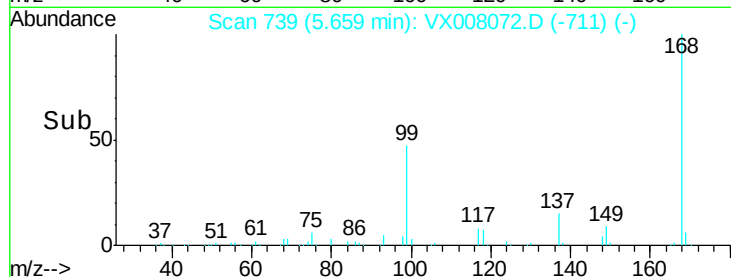
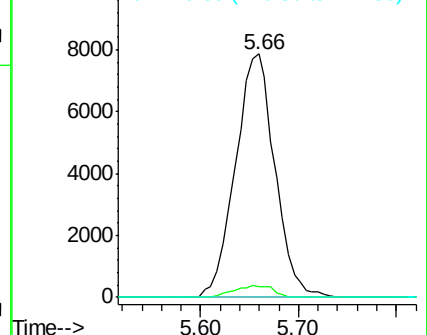
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.213 ug/l

RT: 6.48 min Scan# 874

Delta R.T. 0.02 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

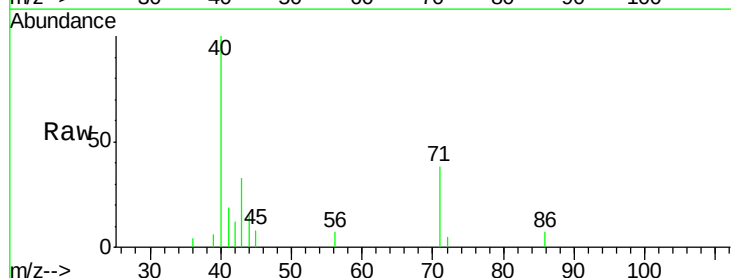
Tgt Ion: 43 Resp: 1225

Ion Ratio Lower Upper

43 100

61 0.0 16.3 24.5#

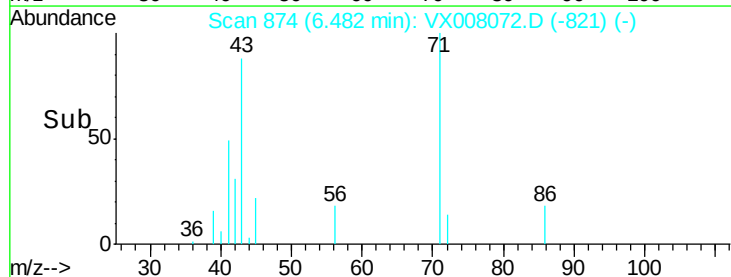
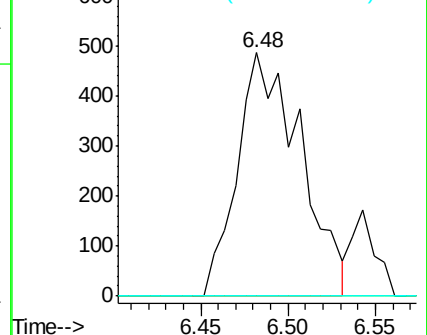
87 0.0 10.5 15.7#

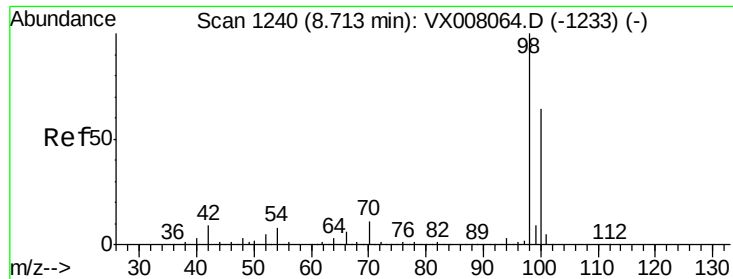


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

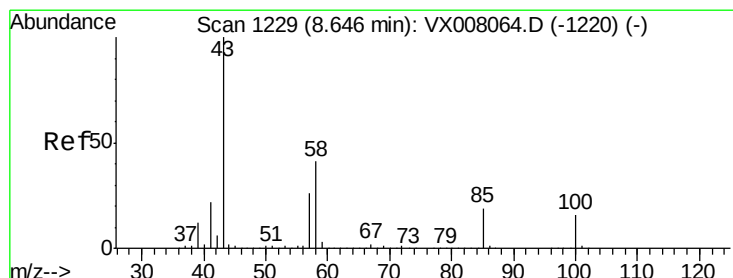
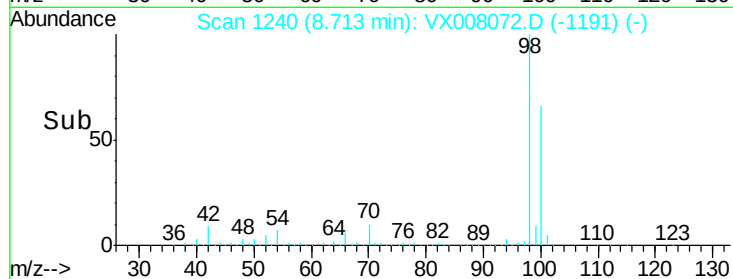
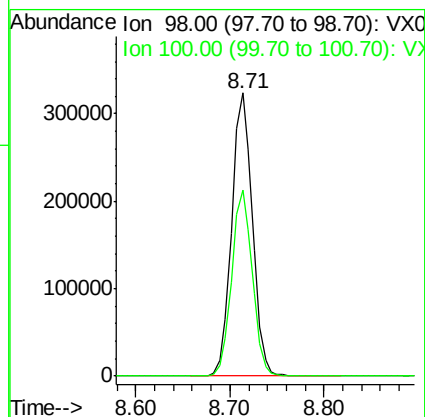
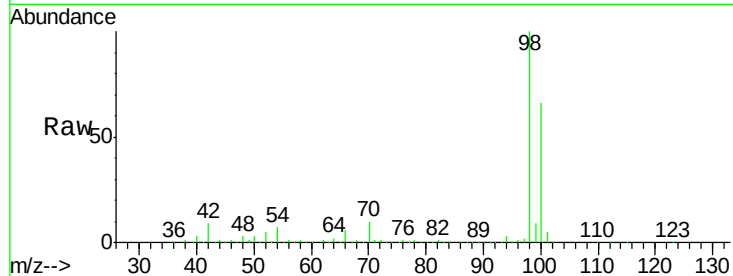




#50
Toluene-d8
Concen: 50.718 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008072.D
Acq: 14 Mar 2019 15:52

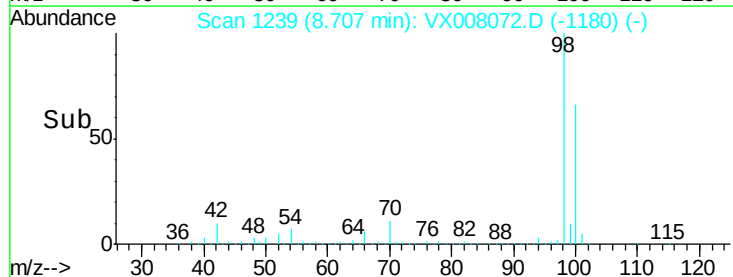
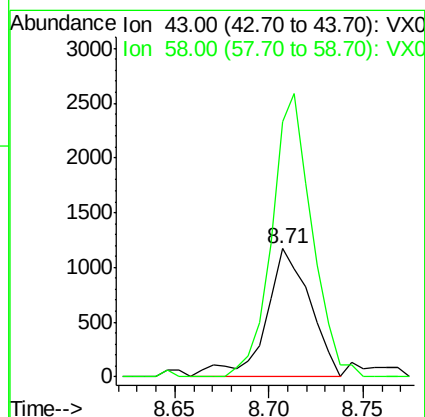
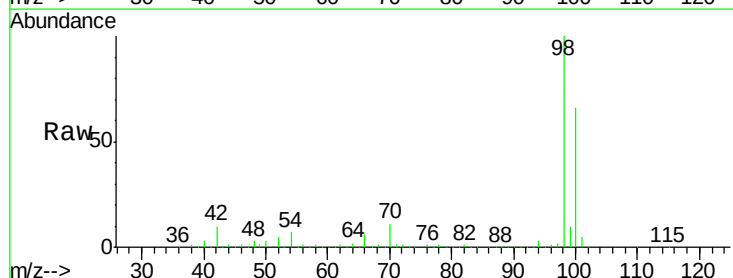
Instrument :
MSVOA_X
ClientSampleId :
P-4

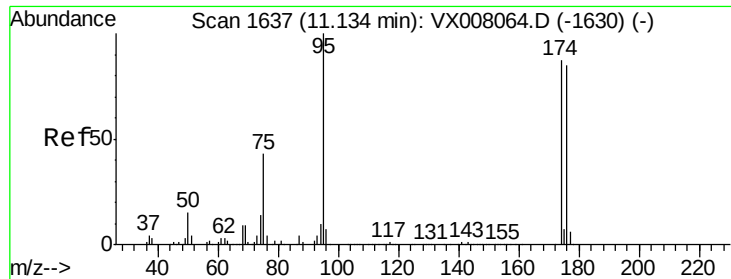
Tot Ion: 98 Resp: 493546
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.06 min
Lab File: VX008072.D
Acq: 14 Mar 2019 15:52

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
58 200.3 31.3 46.9#





#62

4-Bromofluorobenzene

Concen: 57.941 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

P-4

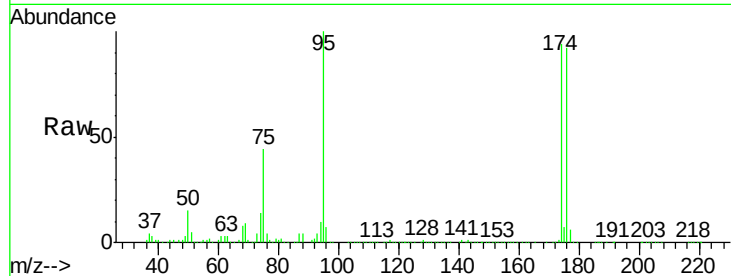
Tot Ion: 95 Resp: 201987

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

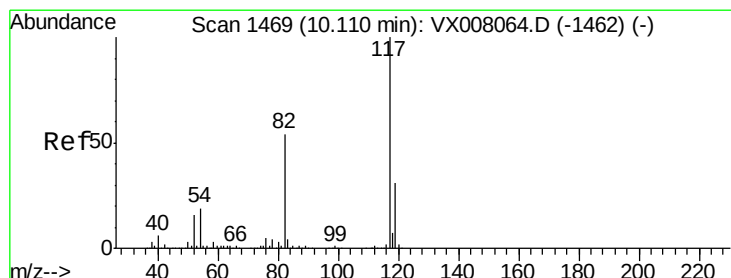
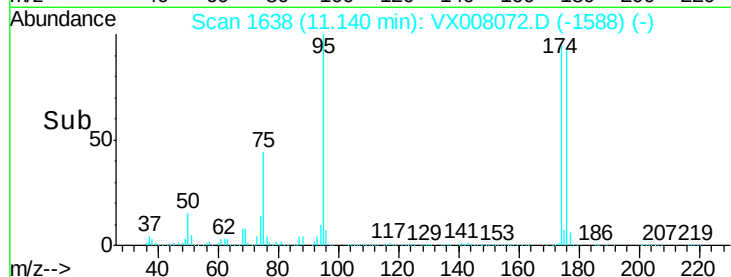
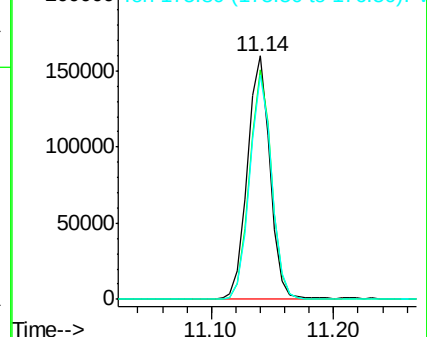
176 90.9 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008064.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008064.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008064.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

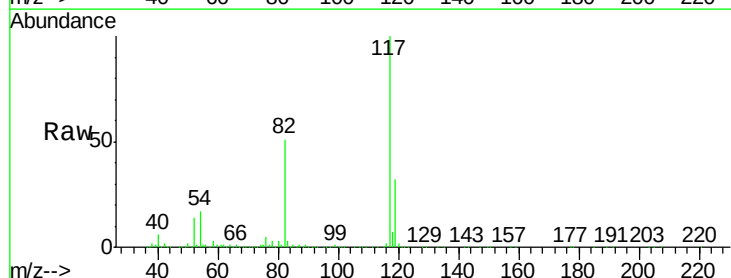
Tgt Ion: 117 Resp: 400802

Ion Ratio Lower Upper

117 100

82 50.8 44.3 66.5

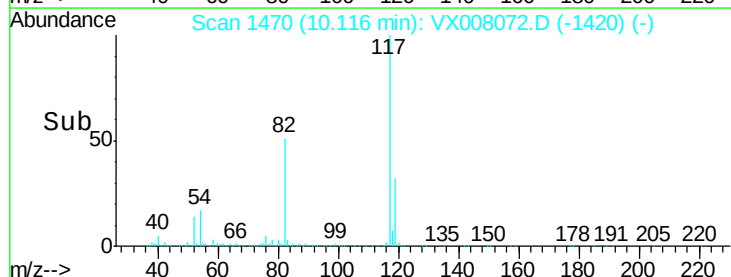
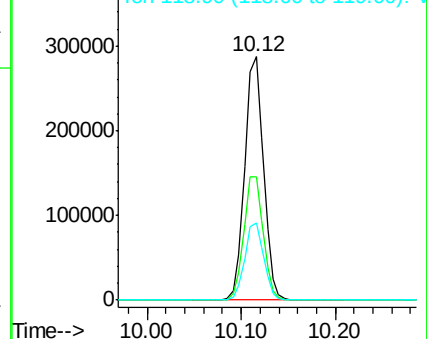
119 31.8 25.3 37.9

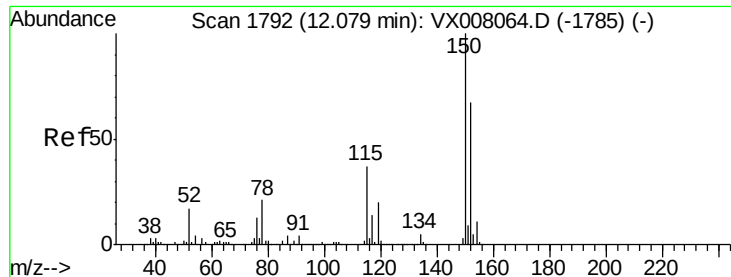


Abundance Ion 116.90 (116.60 to 117.60): VX008064.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008064.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008064.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

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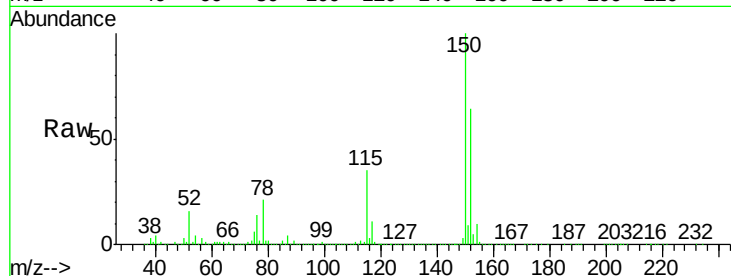
Tot Ion:152 Resp: 225721

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

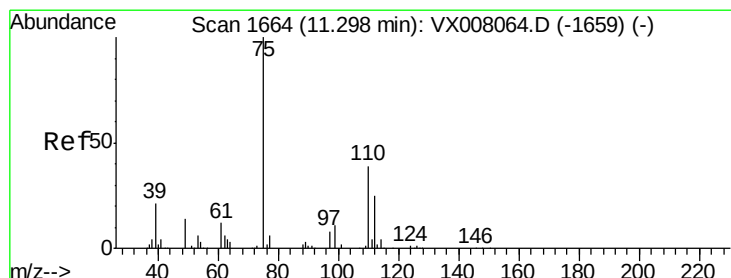
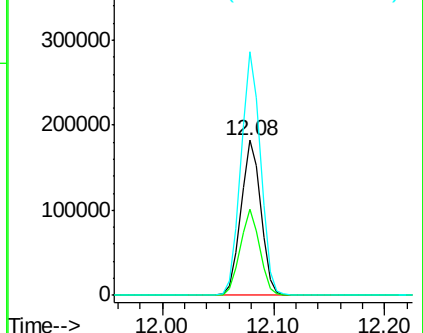
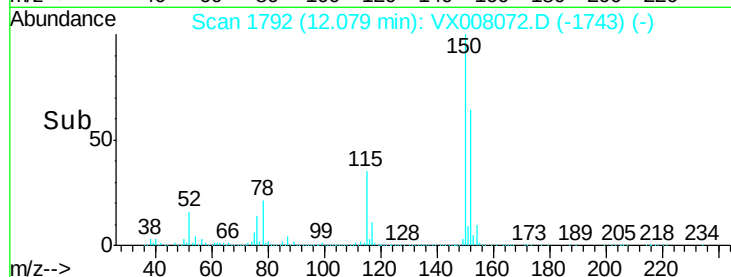
150 155.3 0.0 348.4



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: 22.834 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX008072.D

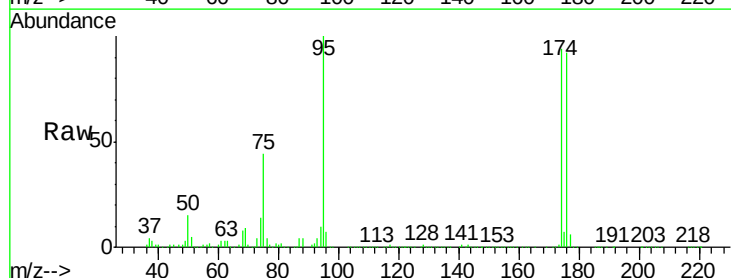
Acq: 14 Mar 2019 15:52

Tgt Ion: 75 Resp: 89512

Ion Ratio Lower Upper

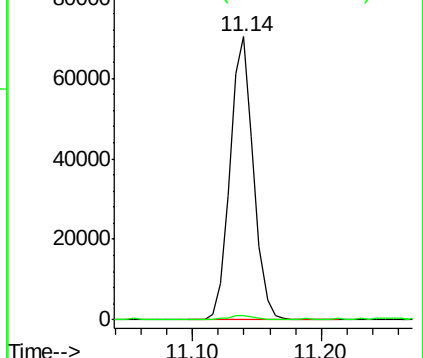
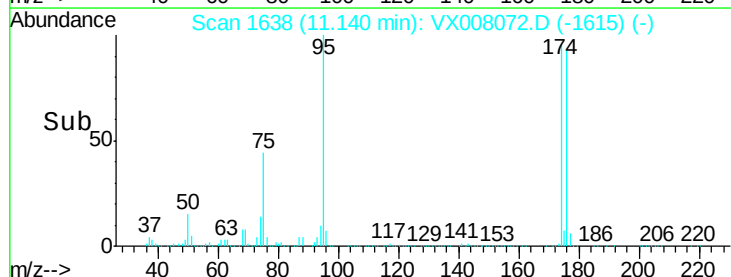
75 100

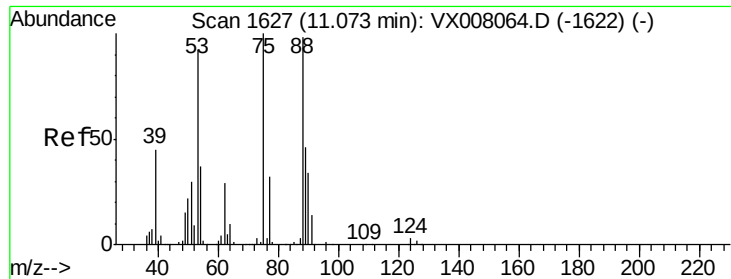
77 1.4 18.9 56.7#



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: 64.977 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

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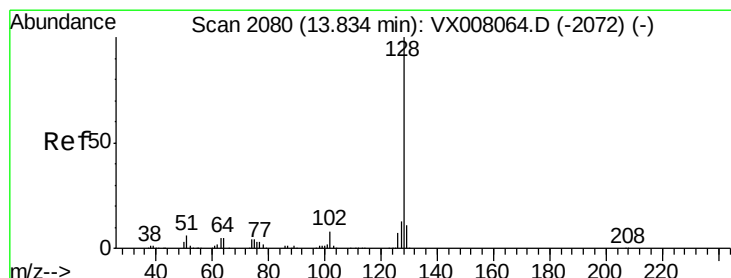
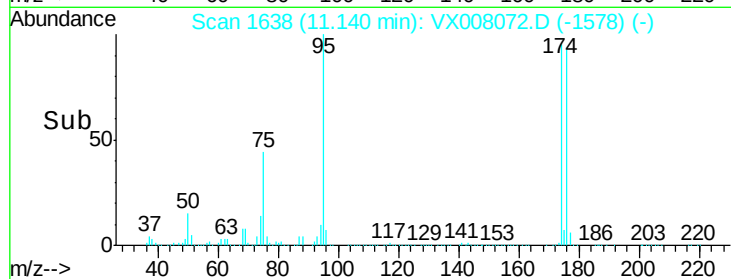
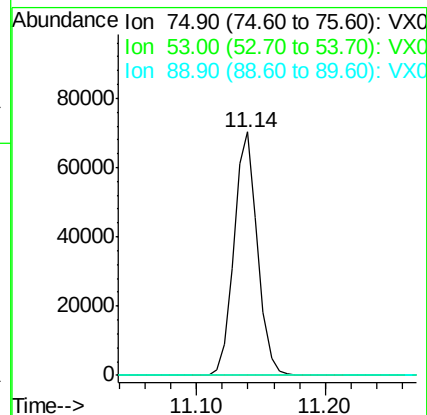
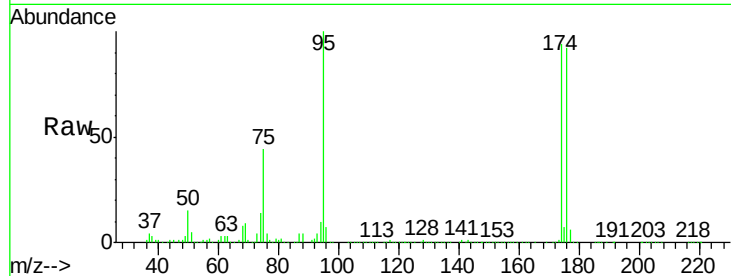
Tot Ion: 75 Resp: 89512

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



#95

Naphthalene

Concen: 0.222 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

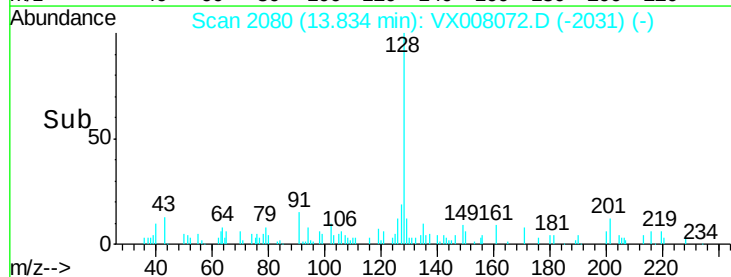
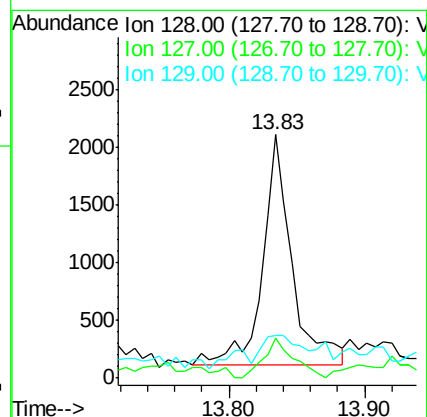
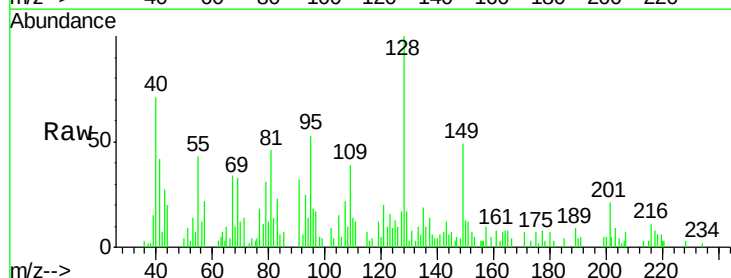
Tgt Ion: 128 Resp: 3083

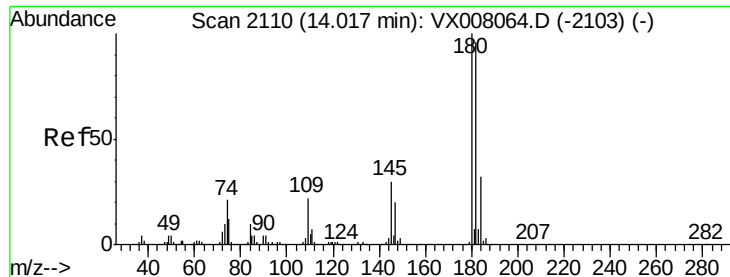
Ion Ratio Lower Upper

128 100

127 17.5 10.3 15.5#

129 23.1 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.201 ug/l

RT: 14.03 min Scan# 2112

Delta R.T. 0.01 min

Lab File: VX008072.D

Acq: 14 Mar 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

P-4

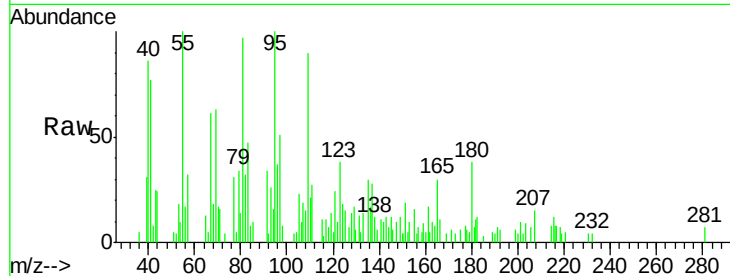
Tot Ion:180 Resp: 979

Ion Ratio Lower Upper

180 100

182 41.6 47.5 142.5#

145 21.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

