

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009438.D
 Acq On : 09 May 2019 19:18
 Operator : JC/SP
 Sample : K2786-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:09:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123262	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	92237	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	8.71	98	376957	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.13	95	126585	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	

Target Compounds

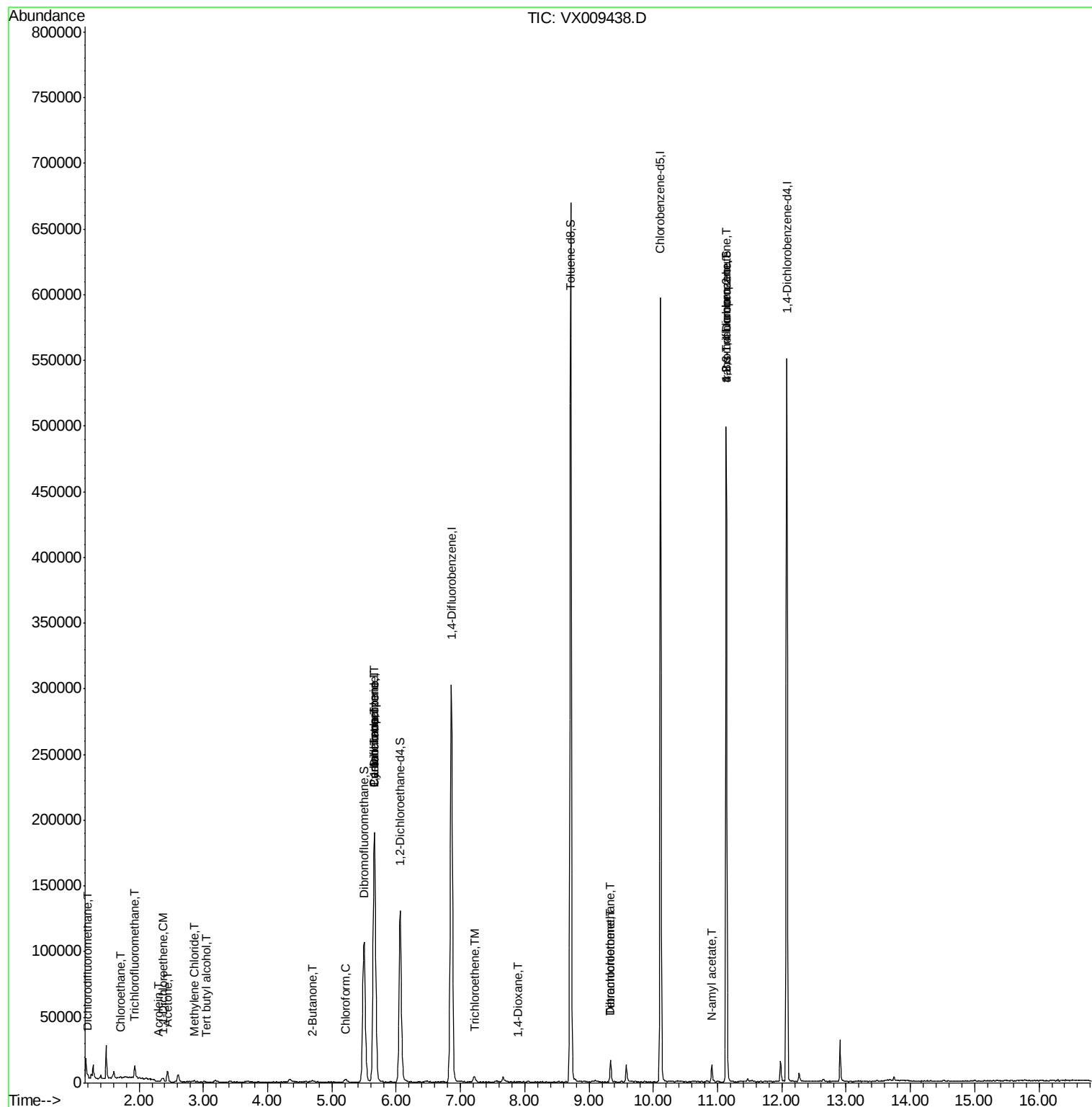
						Qvalue
2) Dichlorodifluoromethane	1.20	85	357	0.207	ug/l	97
6) Chloroethane	1.72	64	3587	2.436	ug/l #	63
7) Trichlorofluoromethane	1.93	101	6204	2.225	ug/l	98
11) Tert butyl alcohol	3.06	59	123	0.208	ug/l #	27
12) 1,1-Dichloroethene	2.38	96	654	0.373	ug/l	89
13) Acrolein	2.29	56	333	0.622	ug/l	98
16) Acetone	2.44	43	8314	6.067	ug/l	96
20) Methylene Chloride	2.85	84	460	0.207	ug/l #	53
25) 2-Butanone	4.70	43	2004	0.941	ug/l #	87
28) Bromochloromethane	4.98	49	19	Below Cal	#	20
30) Chloroform	5.21	83	2243	0.612	ug/l	90
31) Cyclohexane	5.66	56	4140	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14860	5.331	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17419	6.878	ug/l #	15
44) Trichloroethene	7.22	130	1639	0.786	ug/l	99
49) 1,4-Dioxane	7.89	88	19	0.304	ug/l #	1
60) Dibromochloromethane	9.34	129	3056	1.463	ug/l #	11
64) Tetrachloroethene	9.34	164	3336	1.830	ug/l	94
74) N-amyl acetate	10.91	43	2082	0.420	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	65252	24.065	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65252	61.572	ug/l #	10

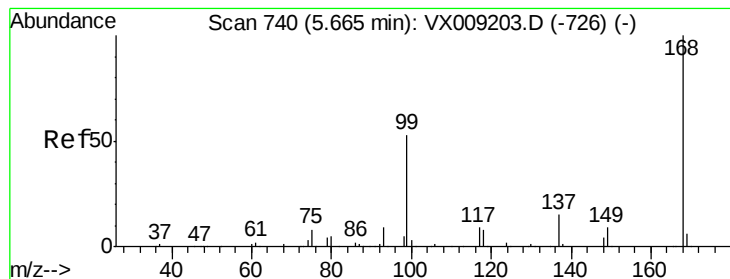
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: May 10 07:09:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

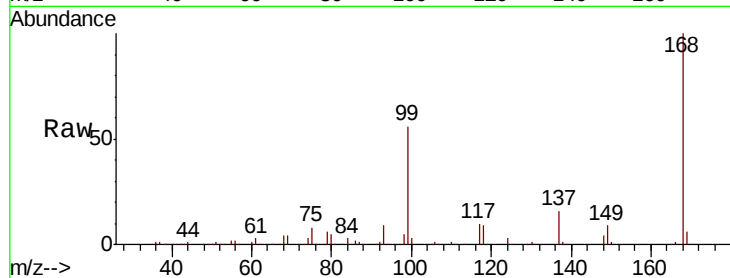
ClientSampleId :

Tot Ion:168 Resp: 186940

Ion Ratio Lower Upper

168 100

99 55.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

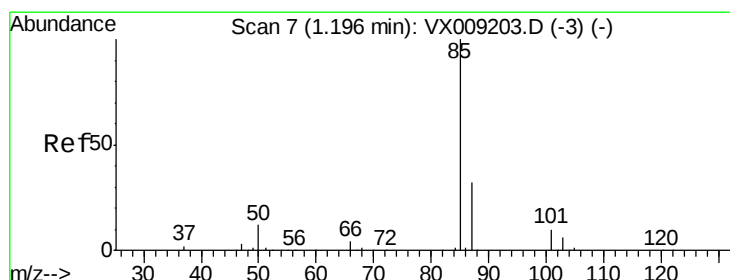
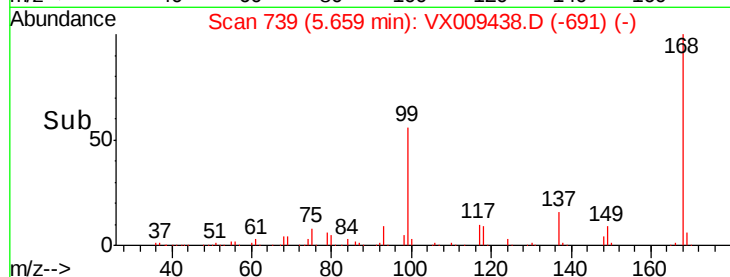
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.207 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX009438.D

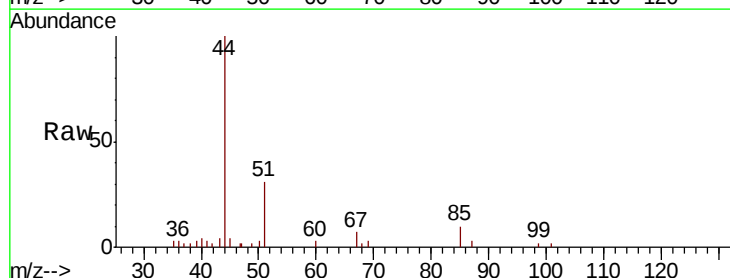
Acq: 09 May 2019 19:18

Tgt Ion: 85 Resp: 357

Ion Ratio Lower Upper

85 100

87 34.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

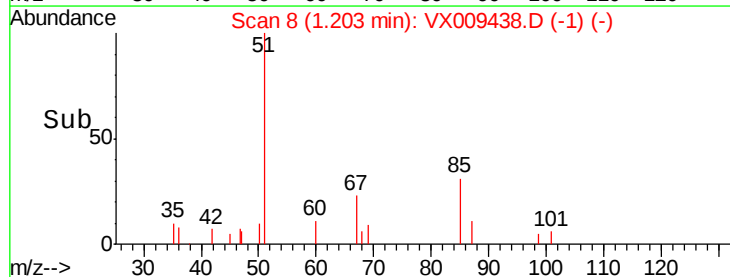
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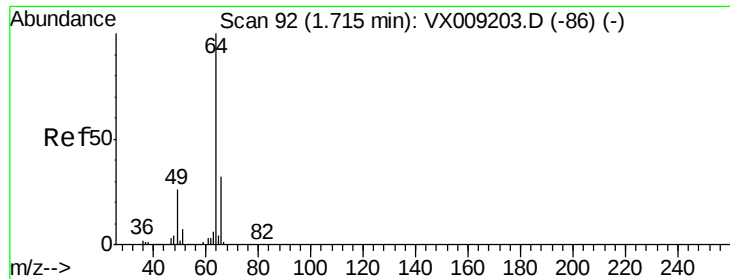
200

100

0

Time--> 1.15 1.20 1.25





#6

Chloroethane

Concen: 2.436 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

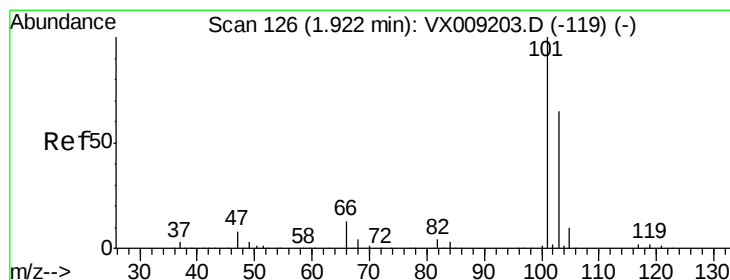
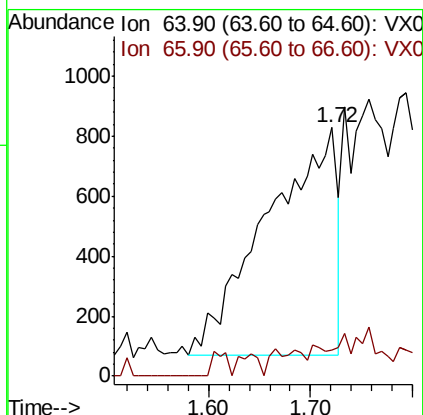
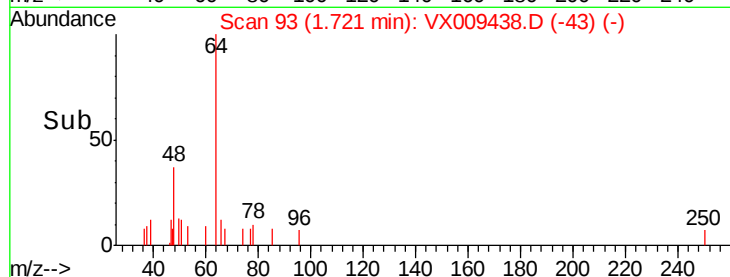
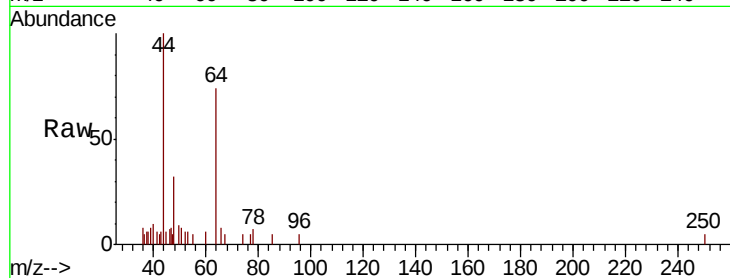
ClientSampled :

Tot Ion: 64 Resp: 3587

Ion Ratio Lower Upper

64 100

66 11.3 25.3 37.9#



#7

Trichlorofluoromethane

Concen: 2.225 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX009438.D

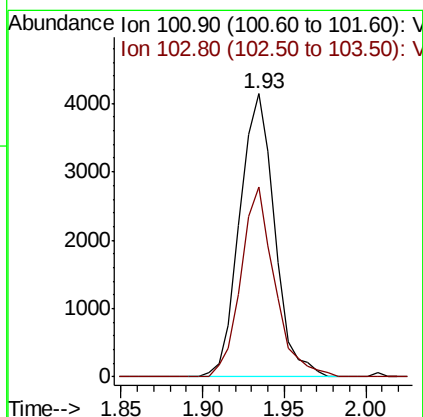
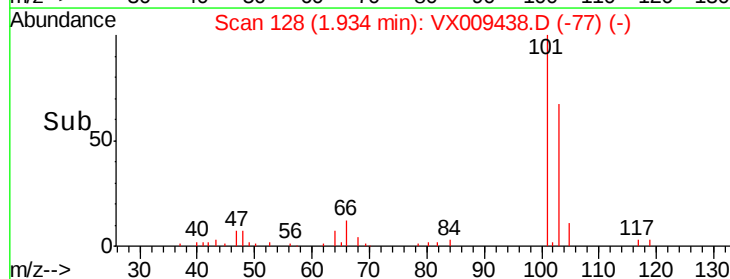
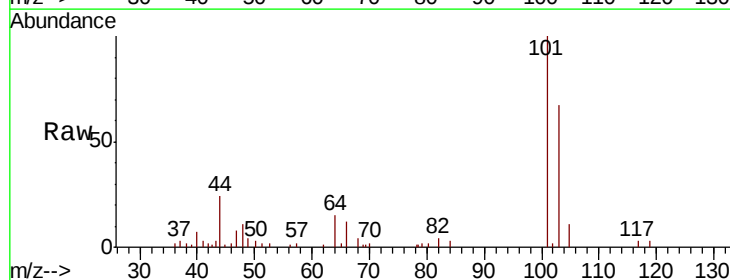
Acq: 09 May 2019 19:18

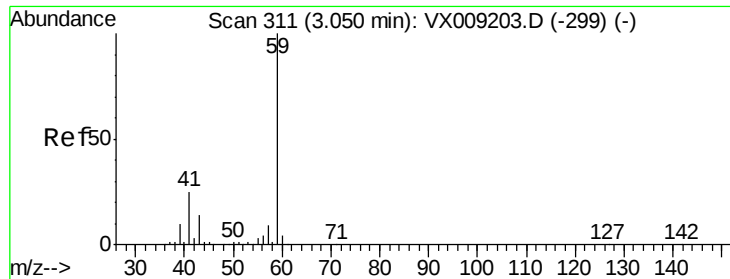
Tgt Ion: 101 Resp: 6204

Ion Ratio Lower Upper

101 100

103 67.0 52.4 78.6

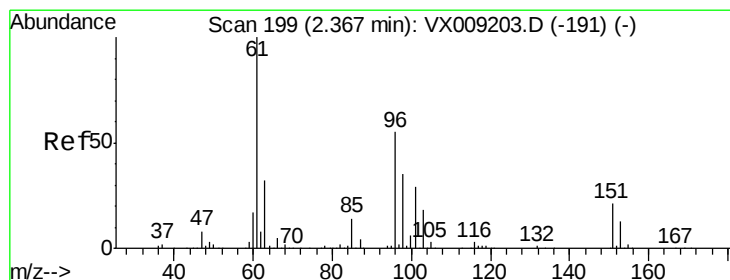
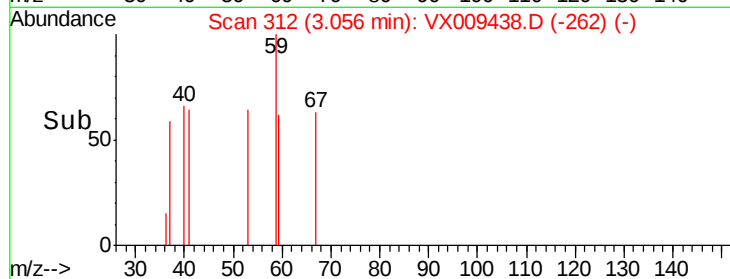
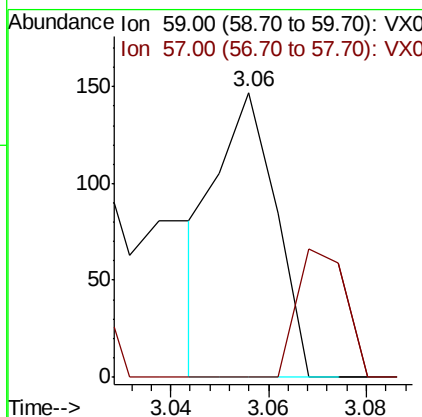
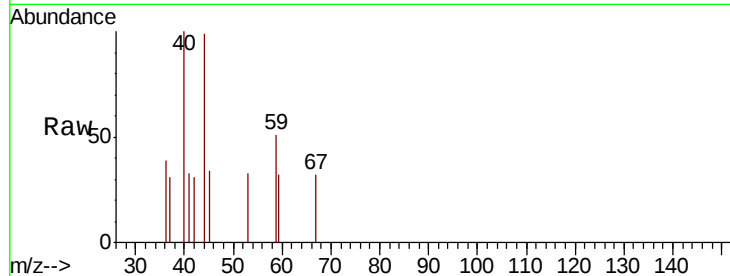




#11
Tert butvl alcohol
Concen: 0.208 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

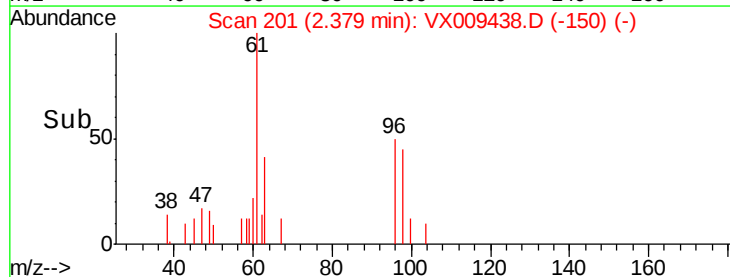
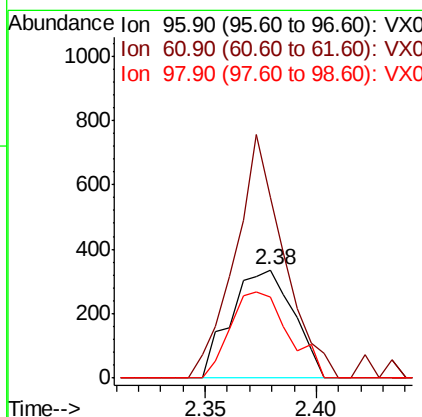
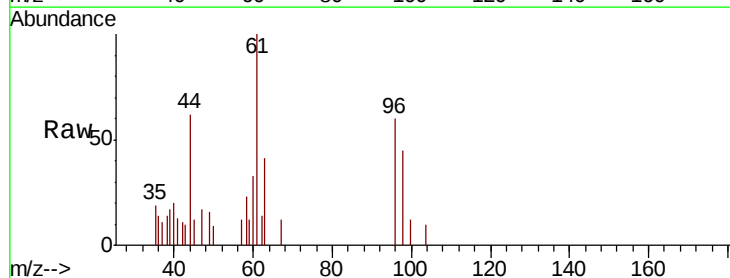
Instrument :
MSVOA_X
ClientSampleId :

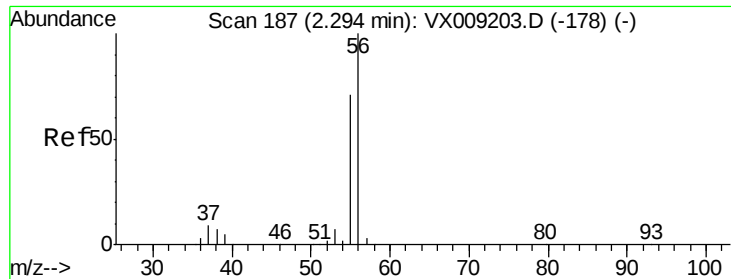
Tot Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 37.4 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.373 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

Tgt Ion: 96 Resp: 654
Ion Ratio Lower Upper
96 100
61 167.6 144.3 216.5
98 75.3 50.3 75.5

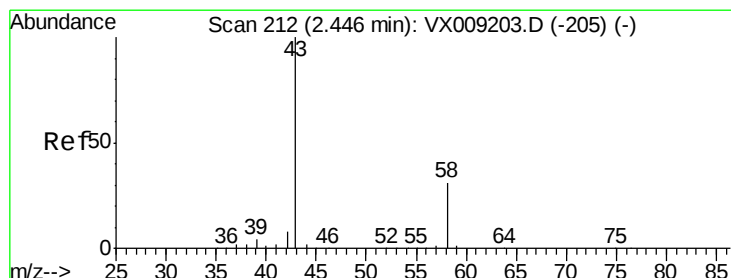
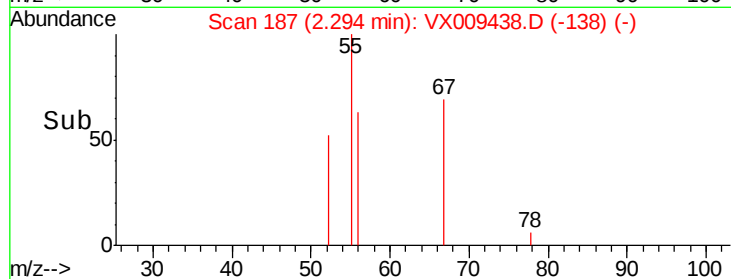
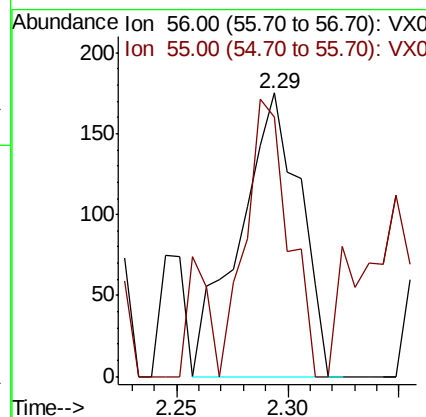
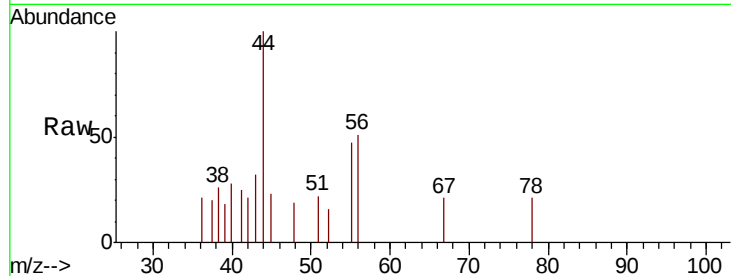




#13
Acrolein
Concen: 0.622 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

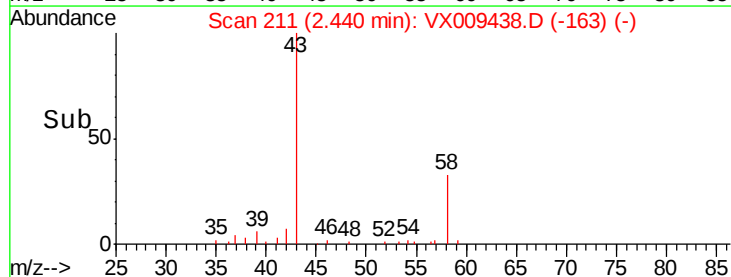
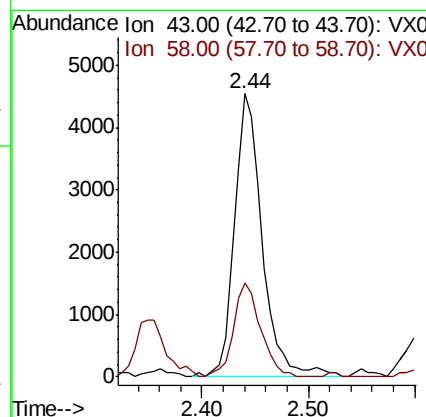
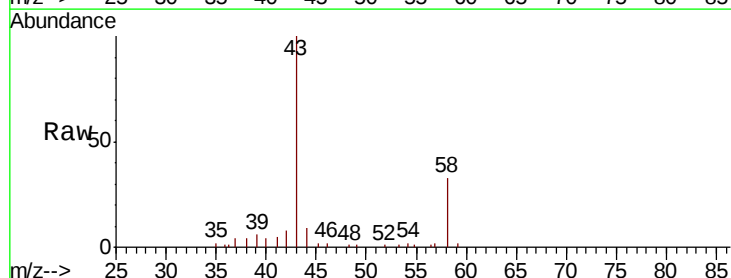
Instrument :
MSVOA_X
ClientSampleId :

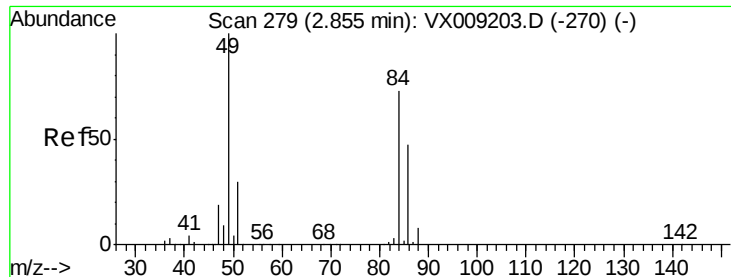
Tot Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 69.1 56.6 85.0



#16
Acetone
Concen: 6.067 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

Tgt Ion: 43 Resp: 8314
Ion Ratio Lower Upper
43 100
58 33.3 24.9 37.3

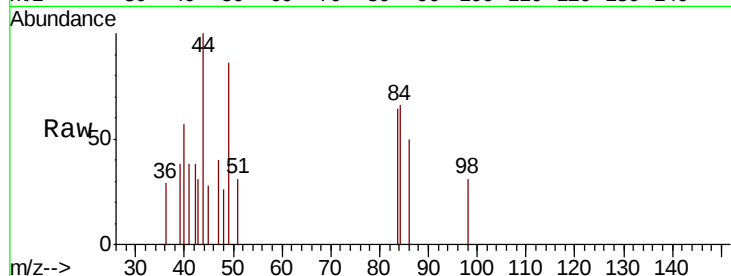




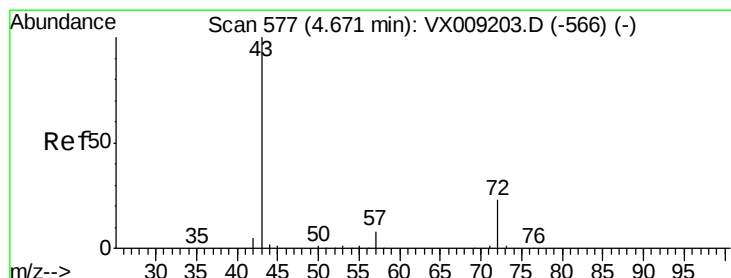
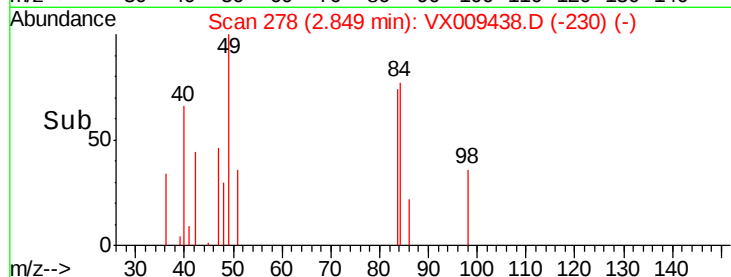
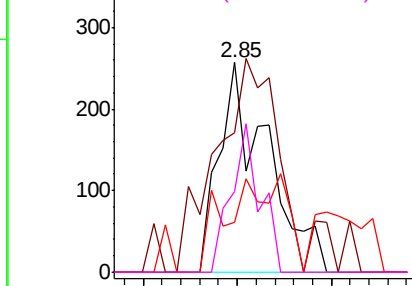
#20
Methvlene Chloride
Concen: 0.207 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 460
Ion Ratio Lower Upper
84 100
49 66.5 109.9 164.9#
51 23.7 32.7 49.1#
86 38.5 52.0 78.0#

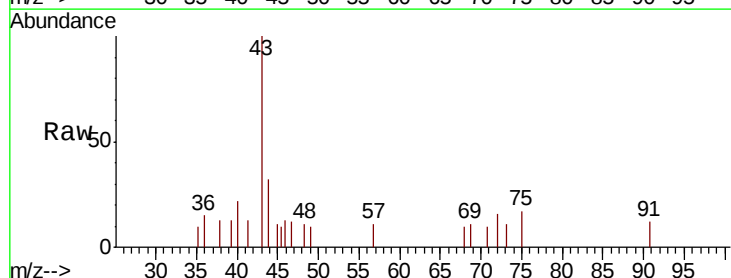


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

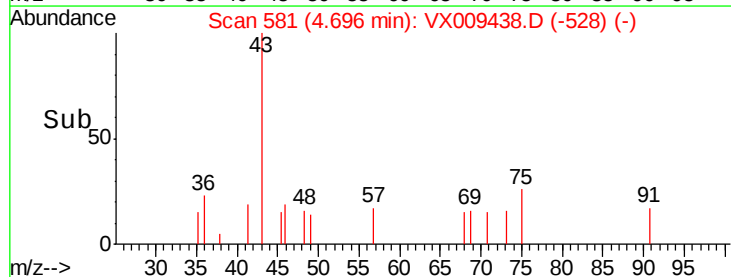
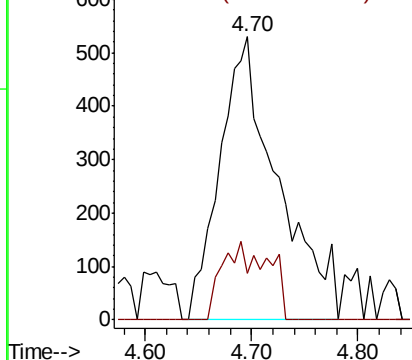


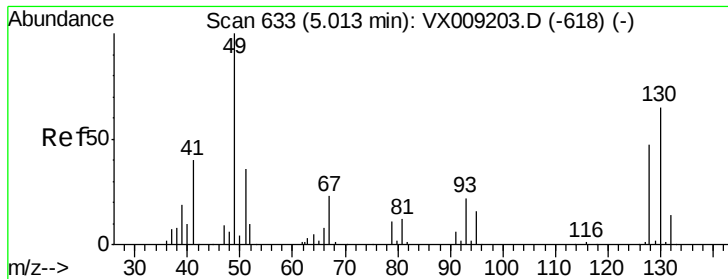
#25
2-Butanone
Concen: 0.941 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
72 16.4 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.98 min Scan# 627

Delta R.T. -0.04 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

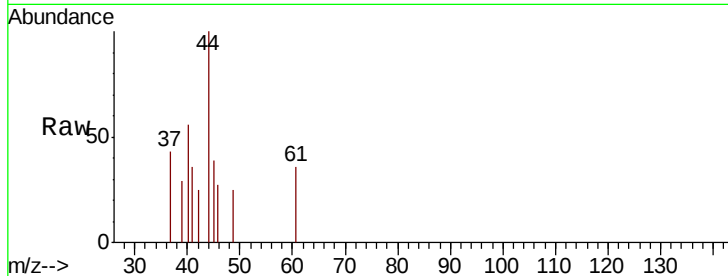
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

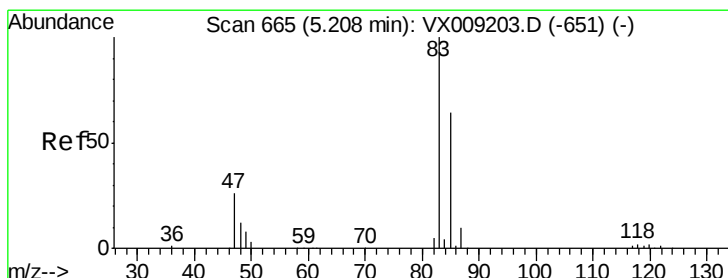
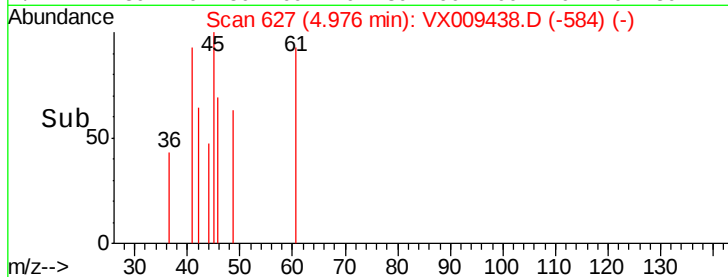
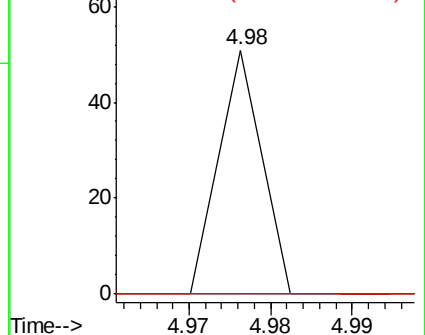
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 0.612 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009438.D

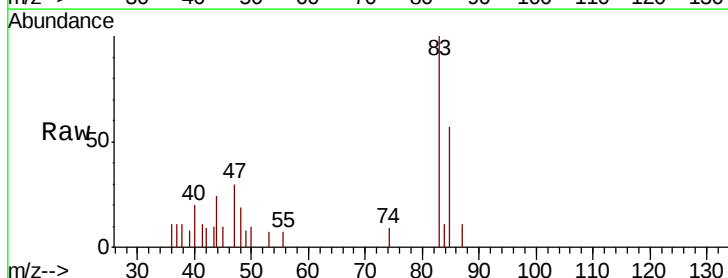
Acq: 09 May 2019 19:18

Tgt Ion: 83 Resp: 2243

Ion Ratio Lower Upper

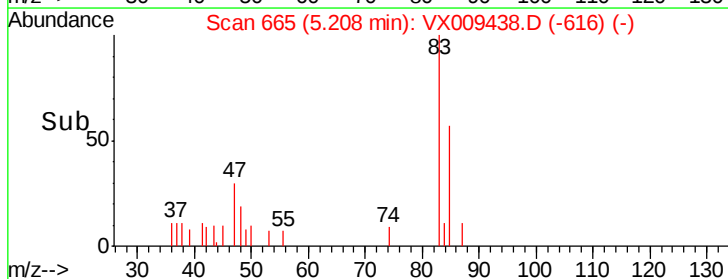
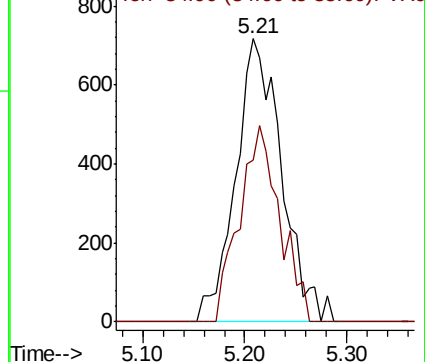
83 100

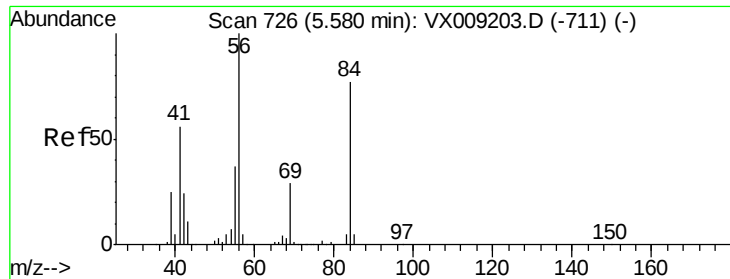
85 56.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

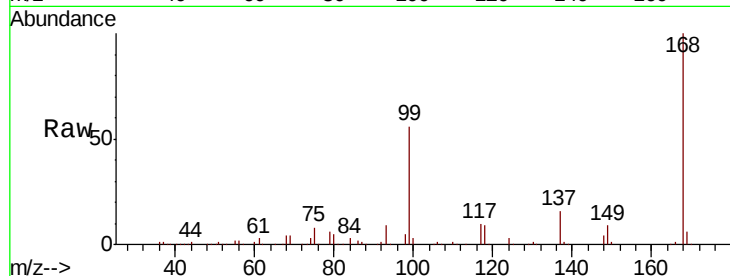




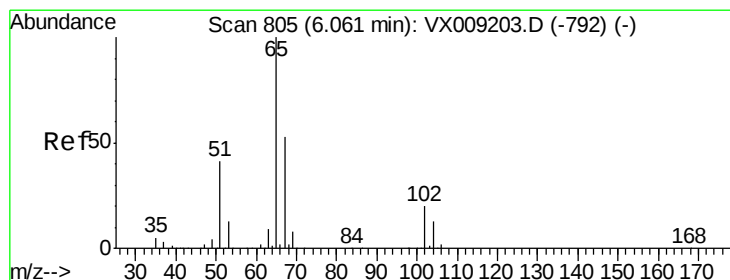
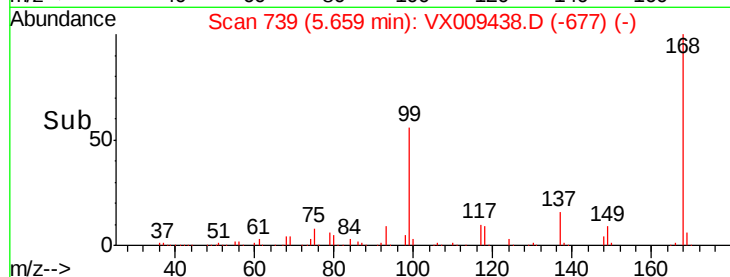
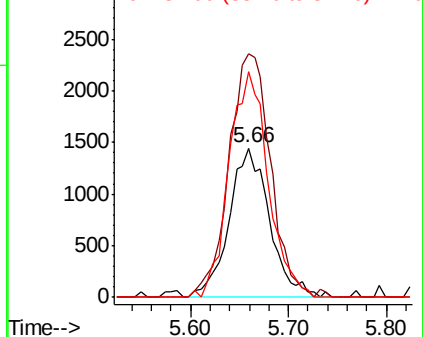
#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4140
Ion Ratio Lower Upper
56 100
69 163.0 23.4 35.0#
84 151.0 61.9 92.9#

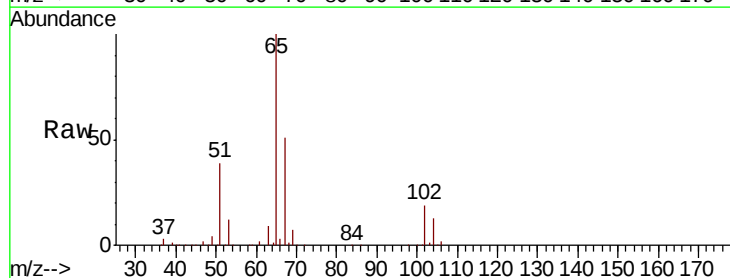


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

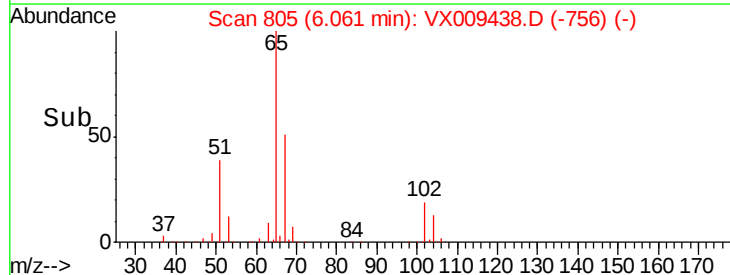
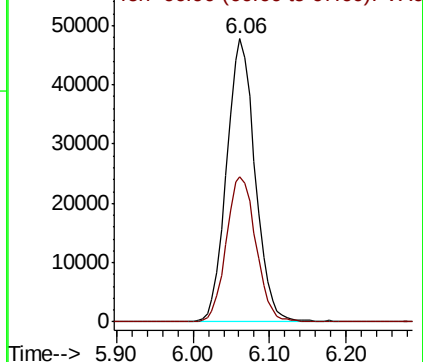


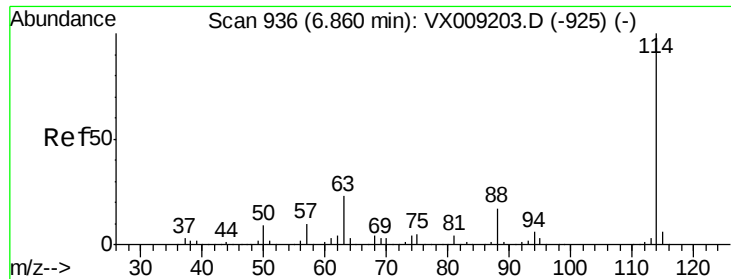
#33
1,2-Dichloroethane-d4
Concen: 48.301 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

Tgt Ion: 65 Resp: 123262
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

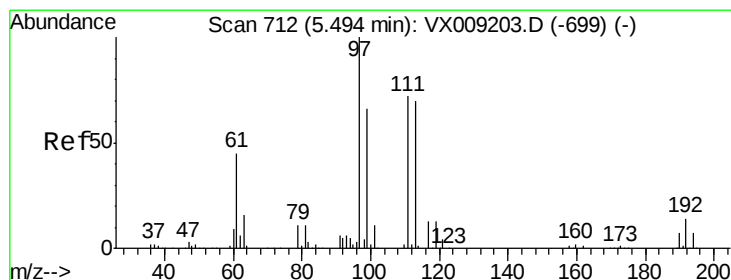
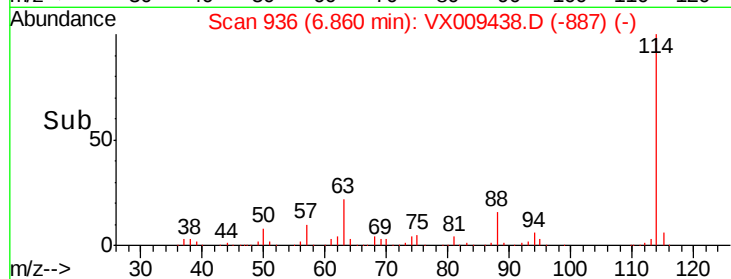
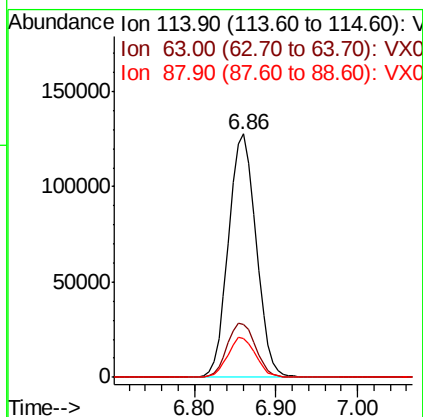
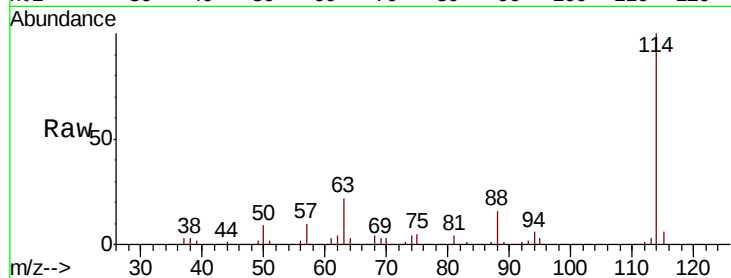




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009438.D
 Acq: 09 May 2019 19:18

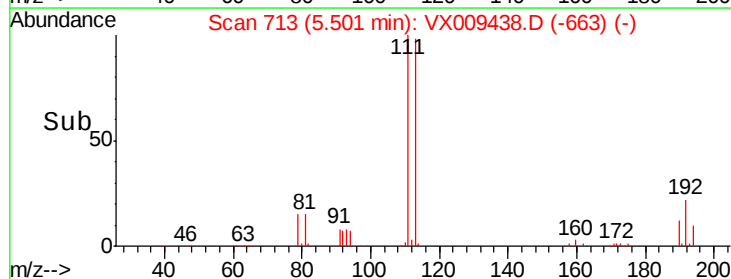
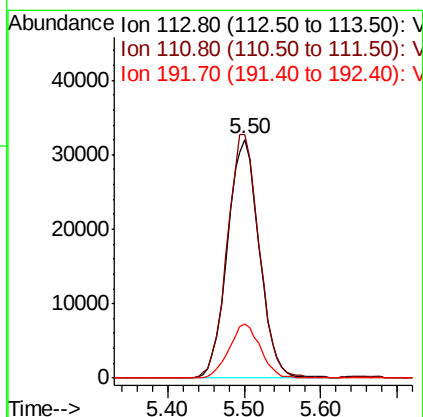
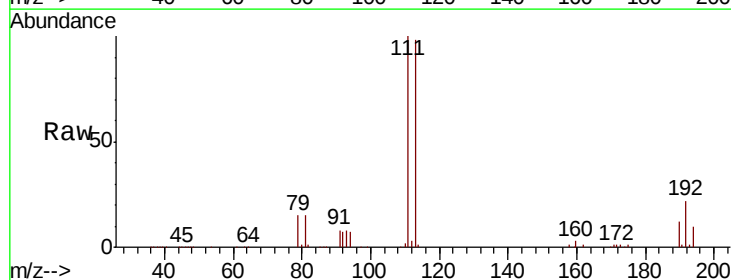
Instrument :
 MSVOA_X
 ClientSampleId :

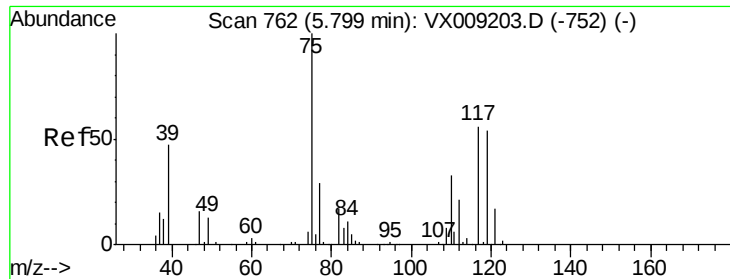
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.6
88	16.1	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.919 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009438.D
 Acq: 09 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	22.2	17.0	25.6





#36

1,1-Dichloropropene

Concen: 5.331 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

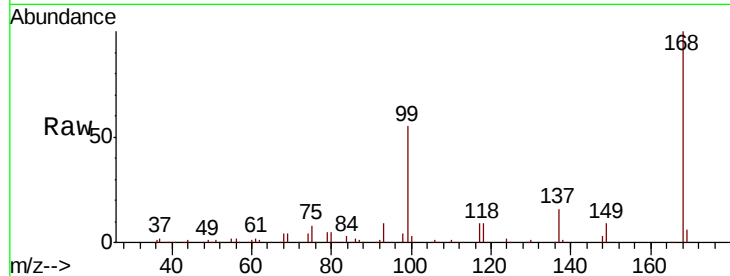
Tot Ion: 75 Resp: 14860

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

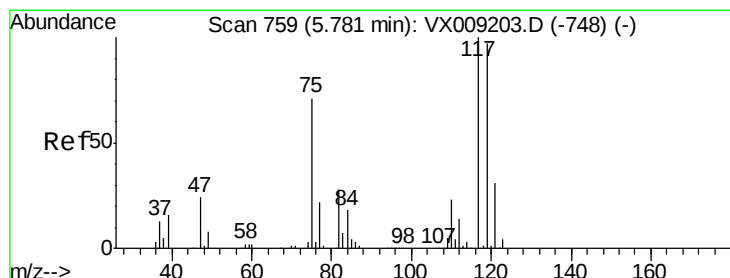
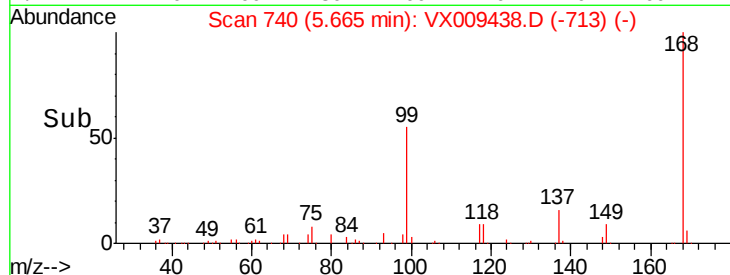
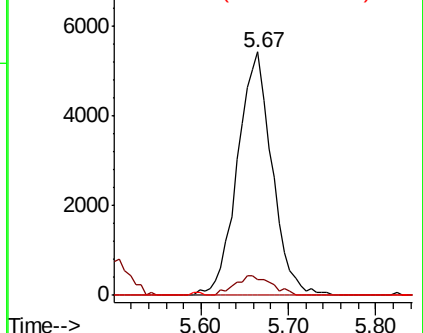
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.878 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

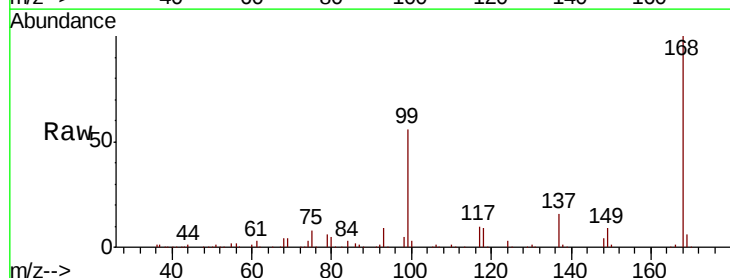
Tgt Ion: 117 Resp: 17419

Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

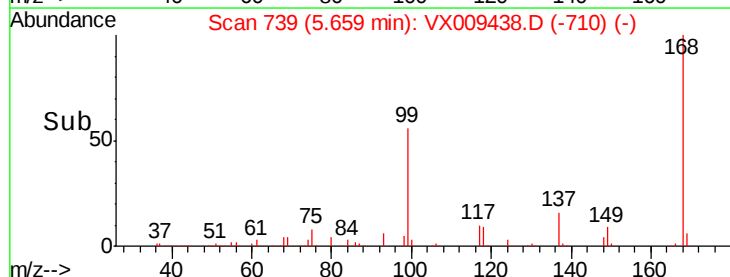
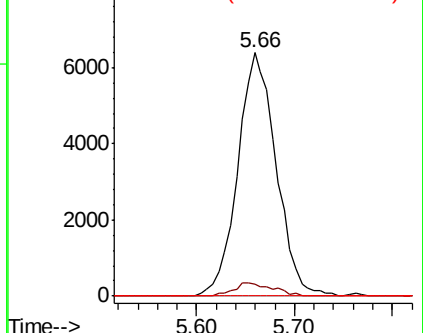
121 0.0 24.7 37.1#

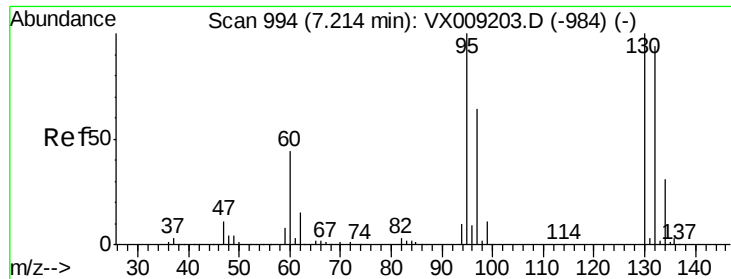


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.786 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

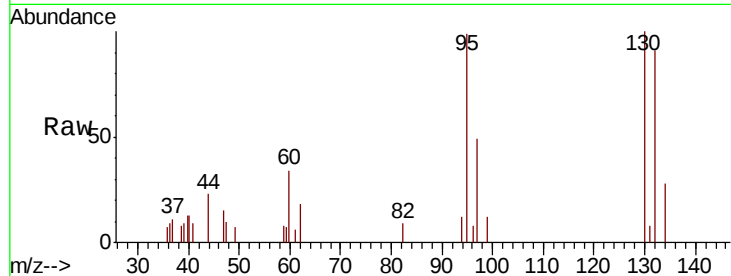
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:130 Resp: 1639

Ion Ratio Lower Upper

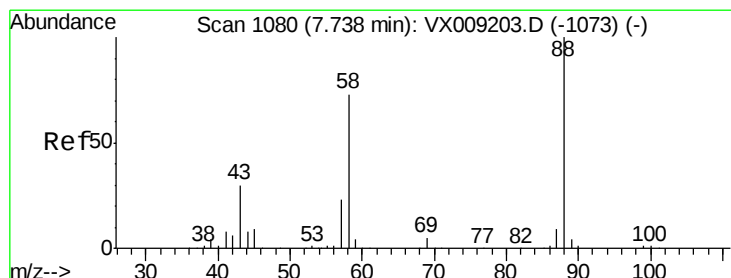
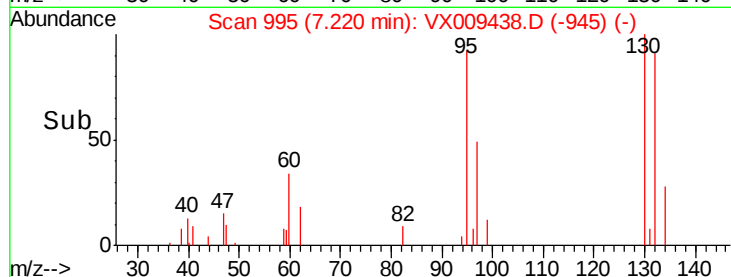
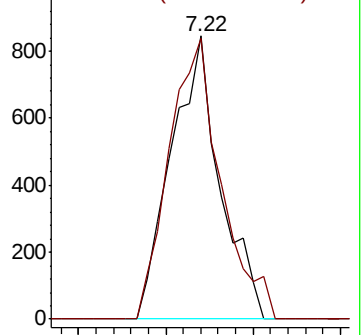
130 100

95 99.1 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.304 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.15 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

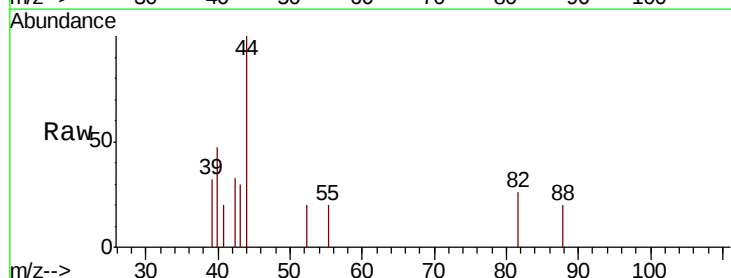
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 657.9 28.6 42.8#

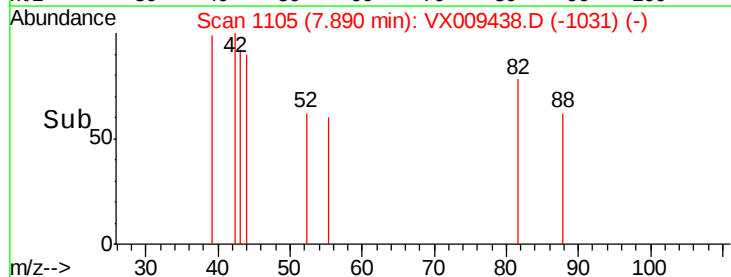
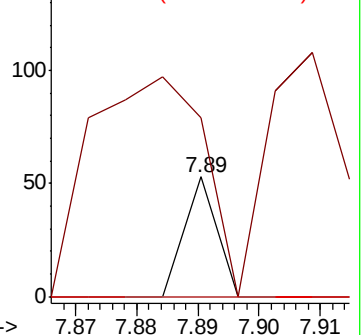
58 0.0 61.7 92.5#

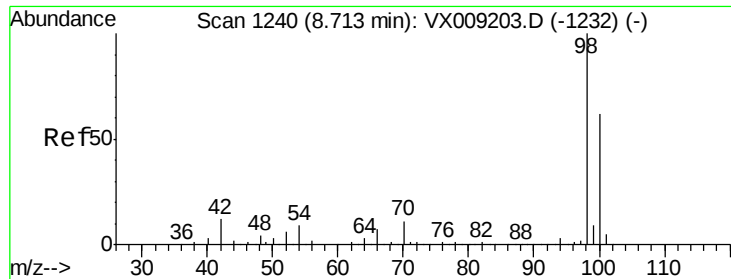


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.520 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

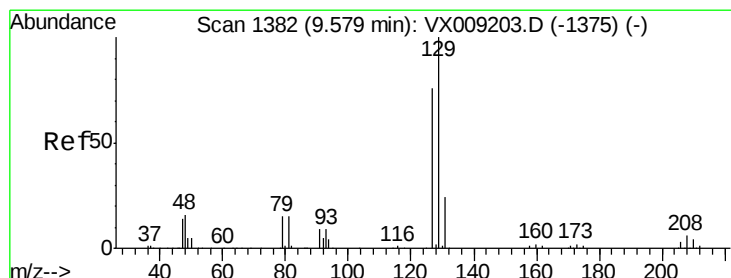
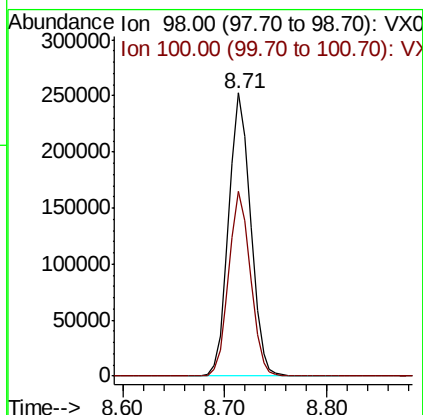
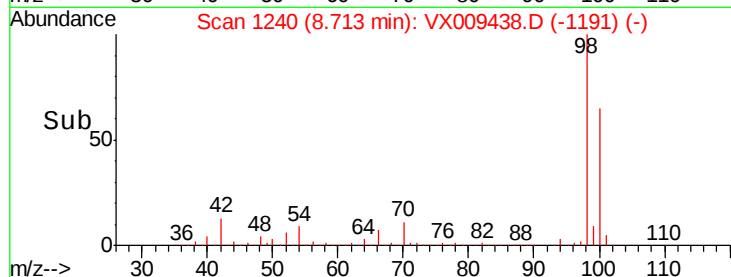
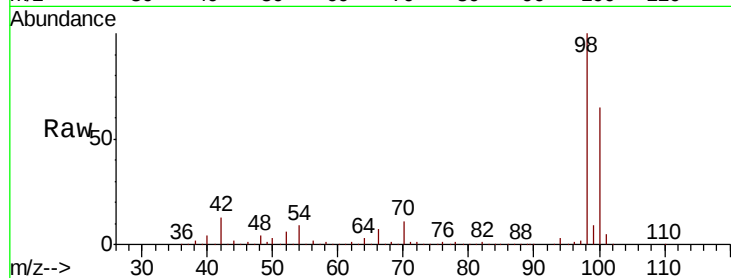
ClientSampleId :

Tot Ion: 98 Resp: 376957

Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8



#60

Dibromochloromethane

Concen: 1.463 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009438.D

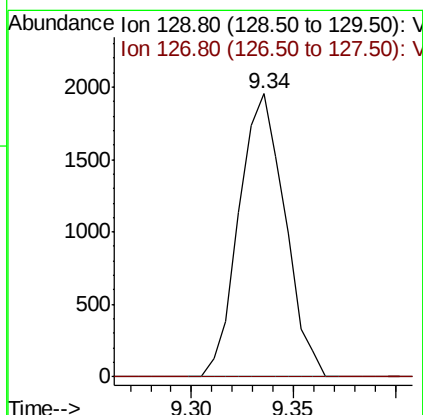
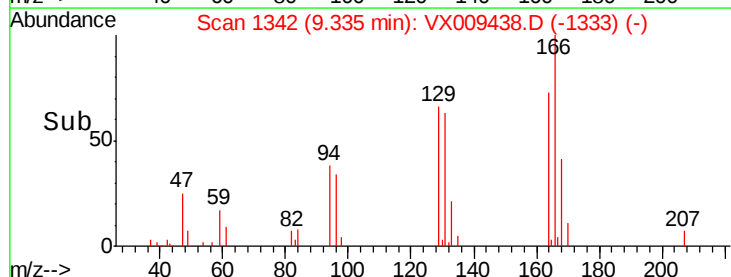
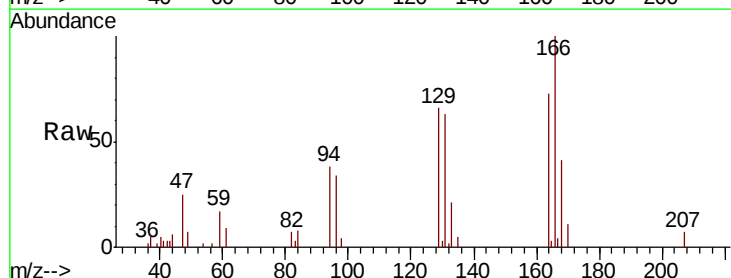
Acq: 09 May 2019 19:18

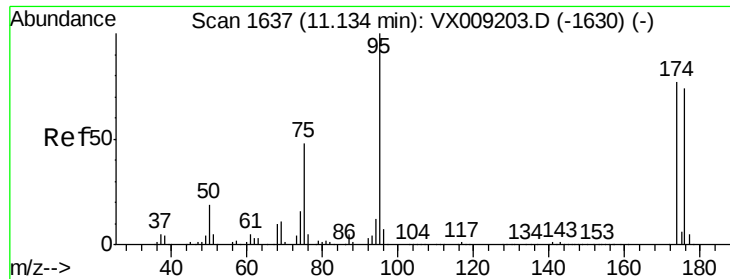
Tgt Ion: 129 Resp: 3056

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.765 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

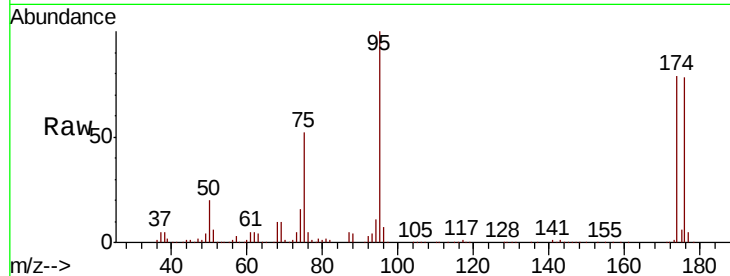
Tot Ion: 95 Resp: 126585

Ion Ratio Lower Upper

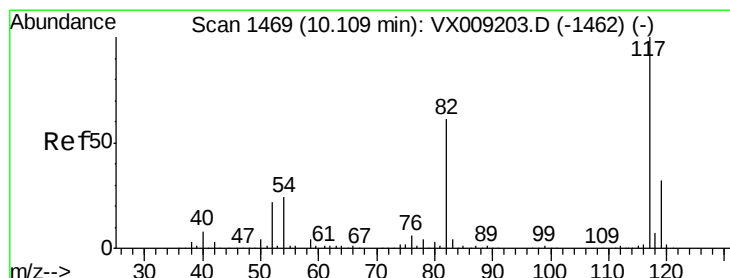
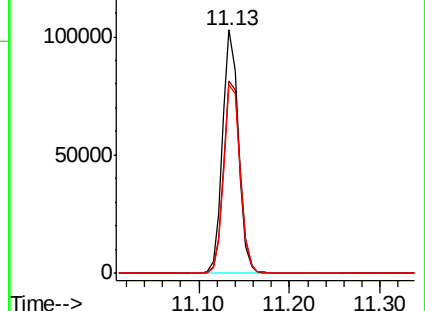
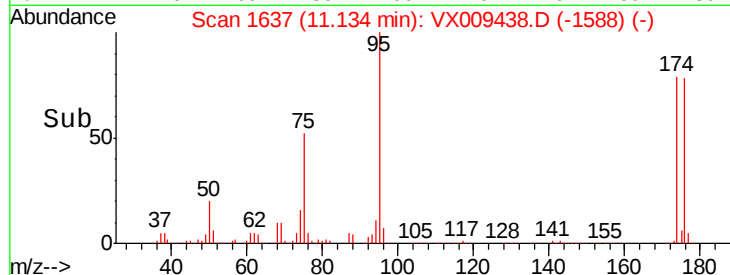
95 100

174 83.1 0.0 161.6

176 80.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009438.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

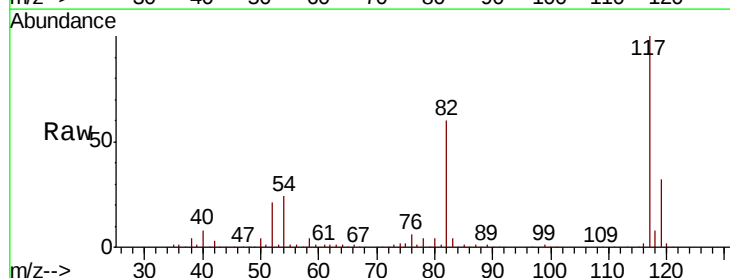
Tgt Ion: 117 Resp: 265775

Ion Ratio Lower Upper

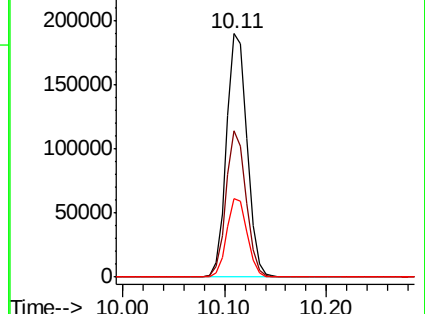
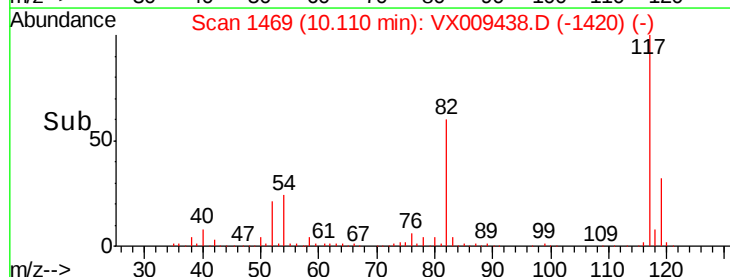
117 100

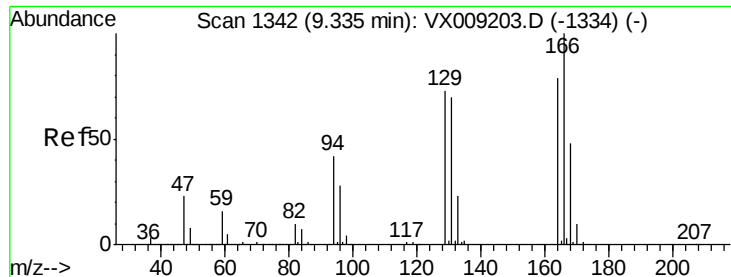
82 60.1 48.8 73.2

119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009438.D (-1420) (-)

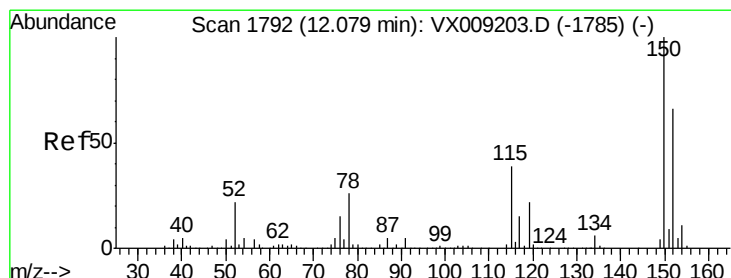
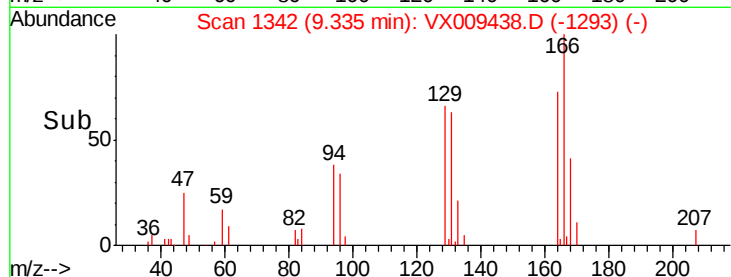
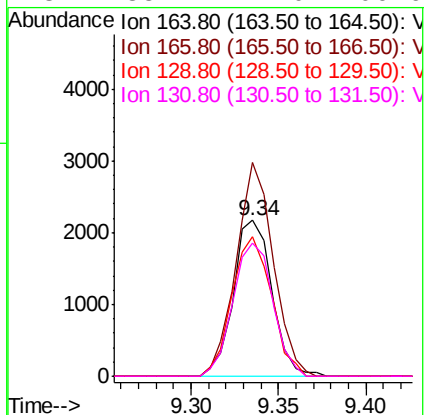
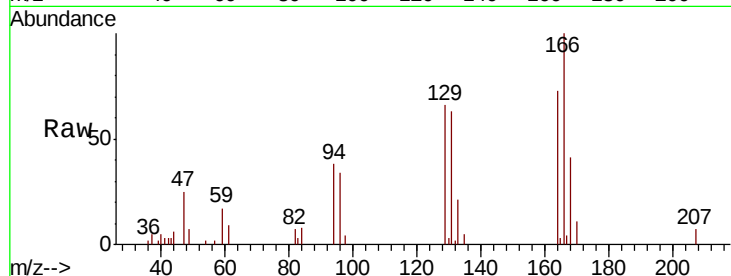




#64
Tetrachloroethene
Concen: 1.830 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

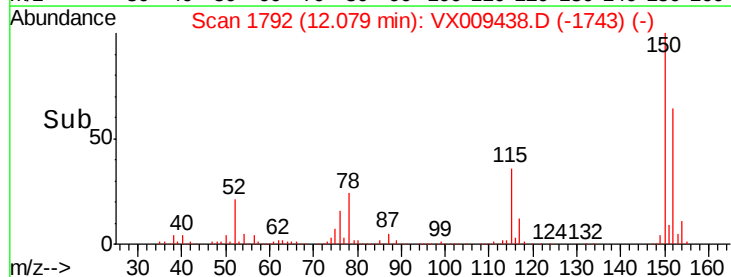
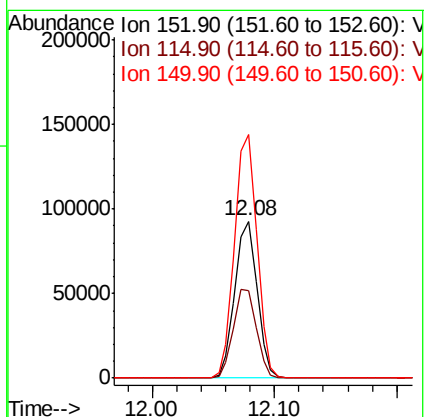
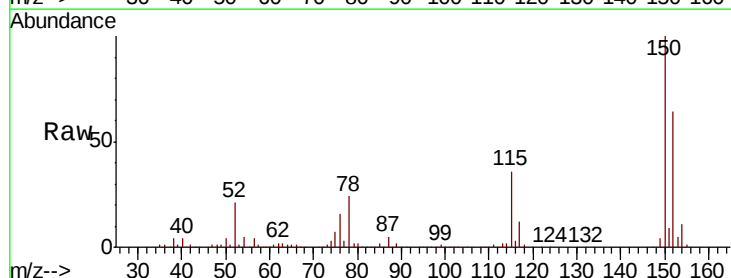
Instrument :
MSVOA_X
ClientSampleId :

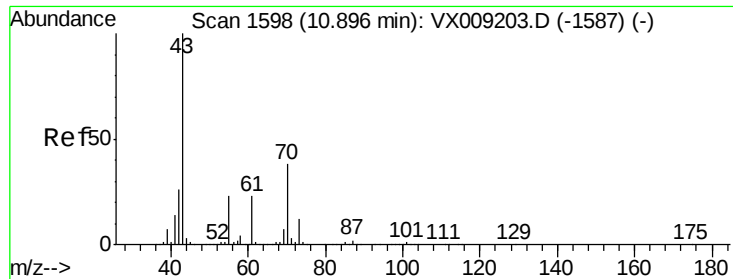
Tot Ion	Ratio	Lower	Upper
164	100		
166	136.9	101.2	151.8
129	89.8	74.3	111.5
131	85.7	71.0	106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009438.D
Acq: 09 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	41.2	123.6
150	156.2	0.0	346.4





#74

N-amvl acetate

Concen: 0.420 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 2082

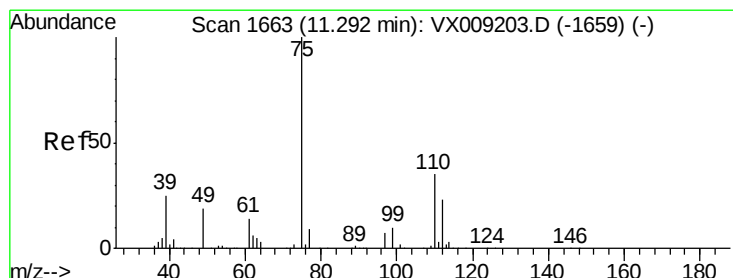
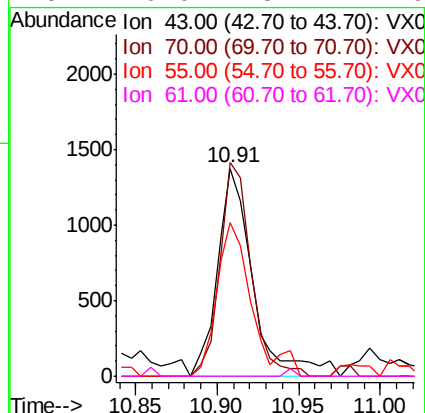
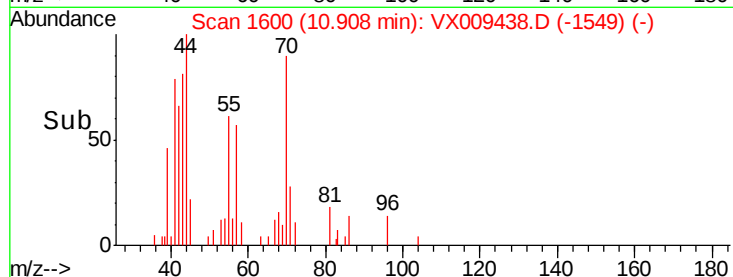
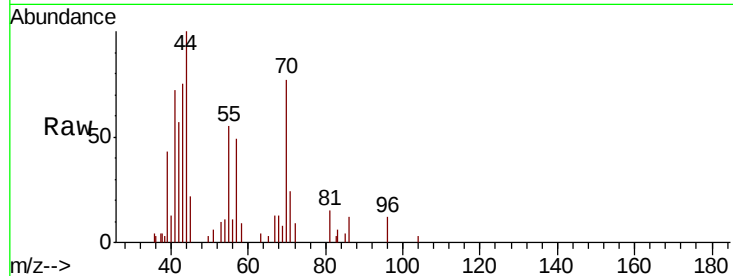
Ion Ratio Lower Upper

43 100

70 90.4 30.0 45.0#

55 72.4 17.9 26.9#

61 0.0 18.4 27.6#



#76

1,2,3-Trichloropropane

Concen: 24.065 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009438.D

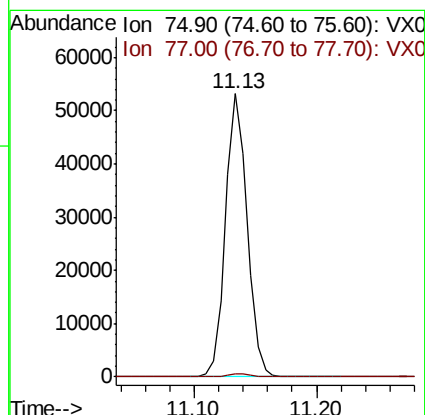
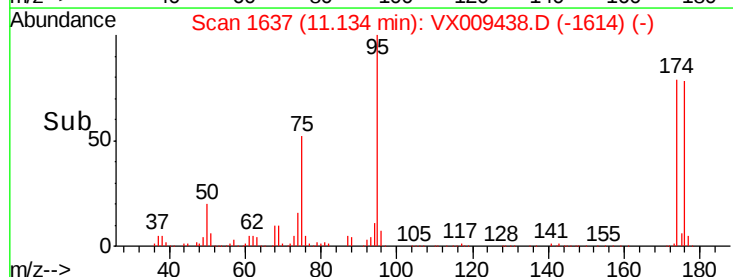
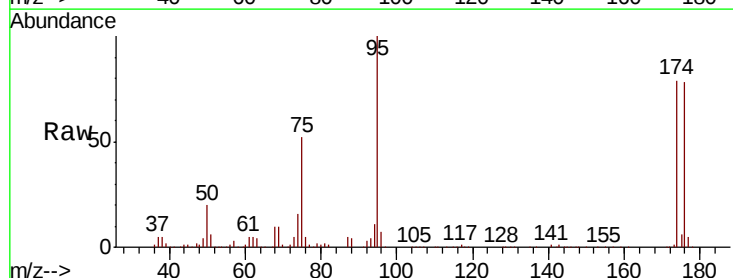
Acq: 09 May 2019 19:18

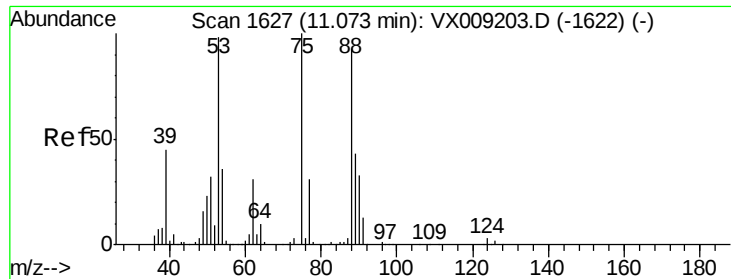
Tgt Ion: 75 Resp: 65252

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.572 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009438.D

Acq: 09 May 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 65252

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

