

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009437.D
 Acq On : 09 May 2019 18:54
 Operator : JC/SP
 Sample : K2786-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:09:05 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	5.67	168	188120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116010	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	122979	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
35) Dibromofluoromethane	5.50	113	92064	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	8.71	98	374745	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	125138	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	

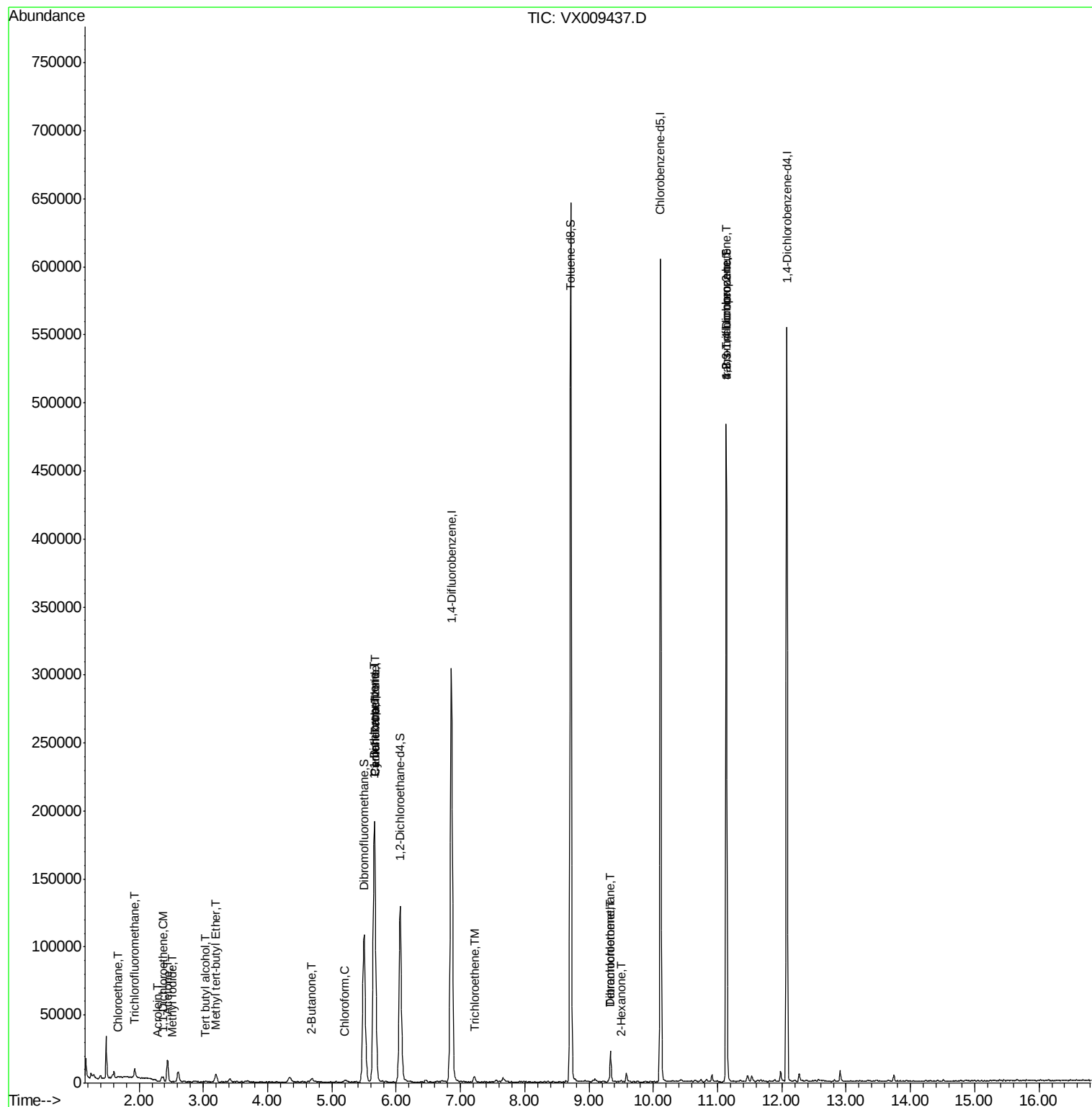
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	1445	0.975	ug/l #	54
7) Trichlorofluoromethane	1.93	101	4540	1.618	ug/l	94
10) Methyl Iodide	2.51	142	104	4.640	ug/l #	42
11) Tert butyl alcohol	3.03	59	502	0.844	ug/l #	70
12) 1,1-Dichloroethene	2.37	96	723	0.410	ug/l	85
13) Acrolein	2.28	56	193	0.359	ug/l	99
16) Acetone	2.44	43	18387	13.334	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	5693	0.831	ug/l	97
25) 2-Butanone	4.68	43	4420	2.063	ug/l #	87
28) Bromochloromethane	5.02	49	40	Below Cal	#	20
30) Chloroform	5.21	83	1297	0.351	ug/l #	76
31) Cyclohexane	5.67	56	3961	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14348	5.109	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17288	6.775	ug/l #	16
44) Trichloroethene	7.21	130	1553	0.739	ug/l	96
59) 2-Hexanone	9.50	43	851	0.265	ug/l	97
60) Dibromochloromethane	9.34	129	3977	1.889	ug/l #	11
64) Tetrachloroethene	9.34	164	4424	2.459	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	63831	23.720	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63831	60.691	ug/l #	10

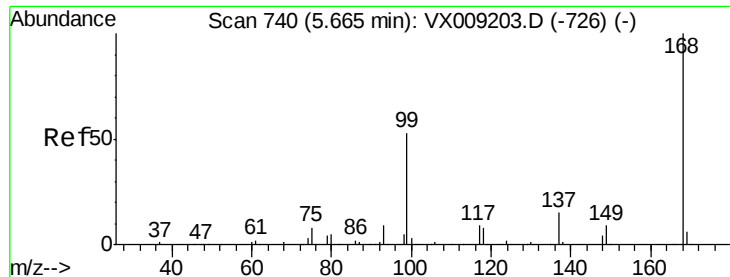
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

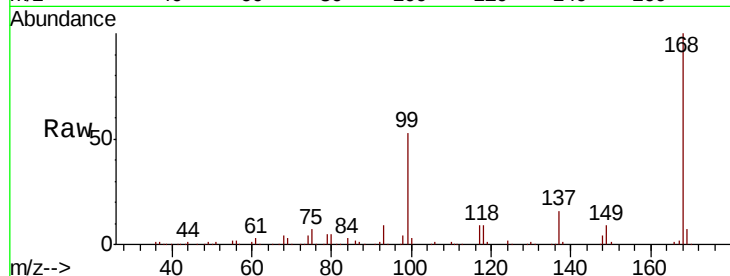
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 188120

Ion Ratio Lower Upper

168 100

99 53.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

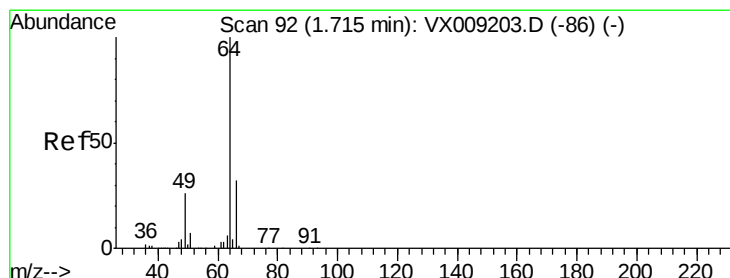
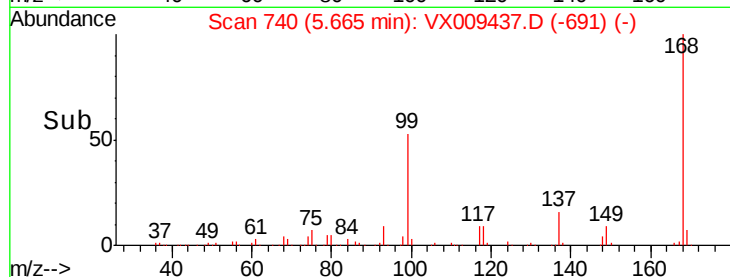
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.975 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX009437.D

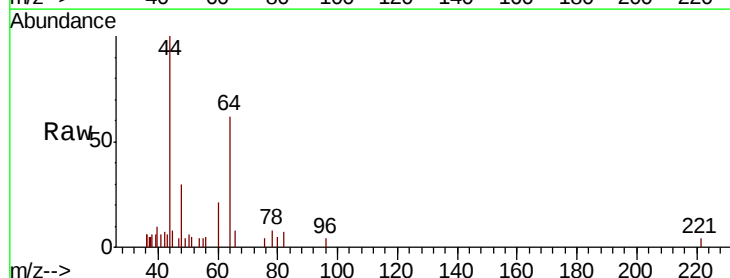
Acq: 09 May 2019 18:54

Tgt Ion: 64 Resp: 1445

Ion Ratio Lower Upper

64 100

66 6.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1000

800

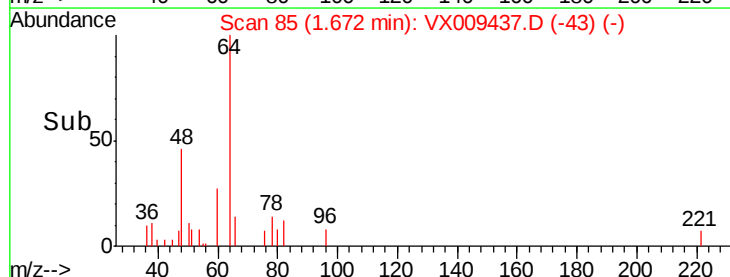
600

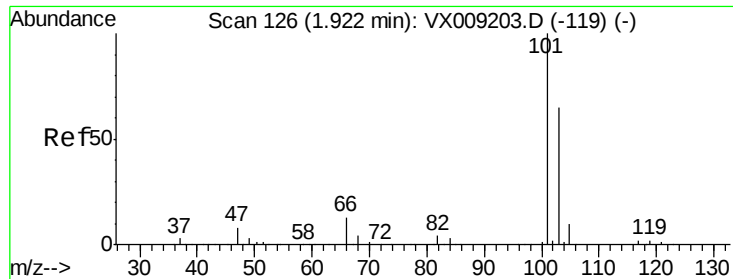
400

200

0

Time--> 1.60 1.65 1.70



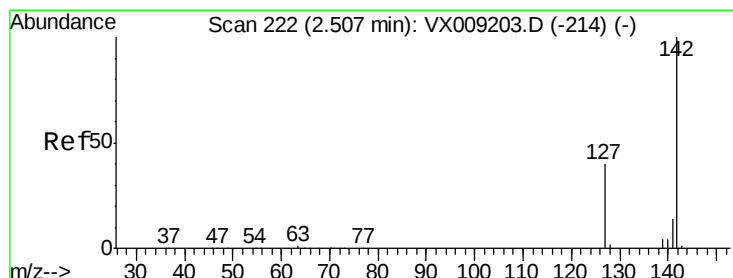
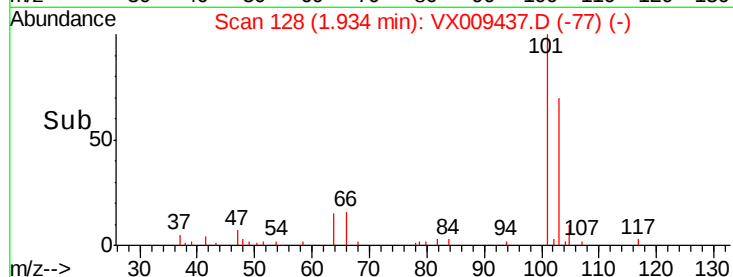
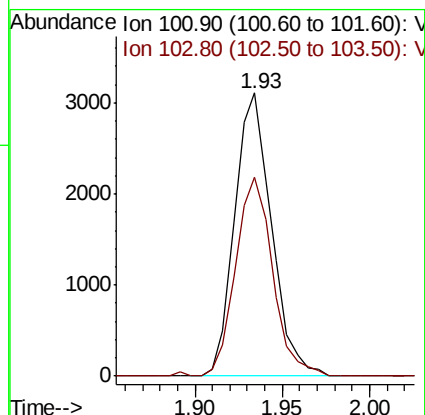
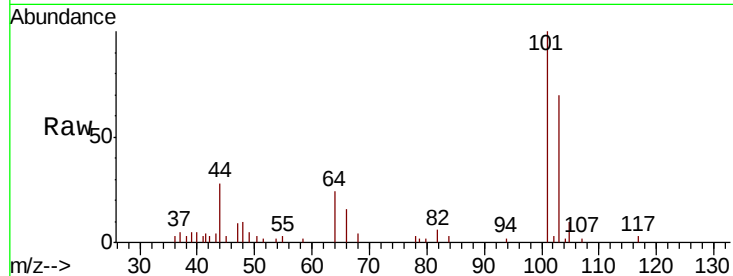


#7

Trichlorofluoromethane
 Concen: 1.618 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX009437.D
 Acq: 09 May 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :

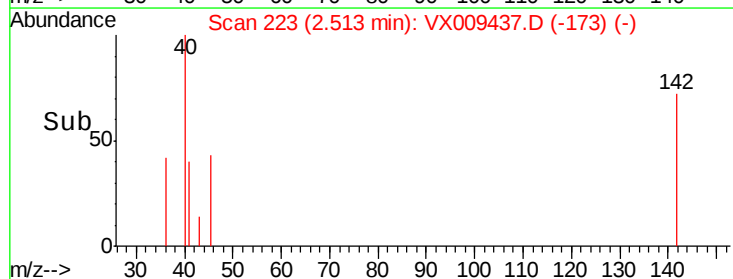
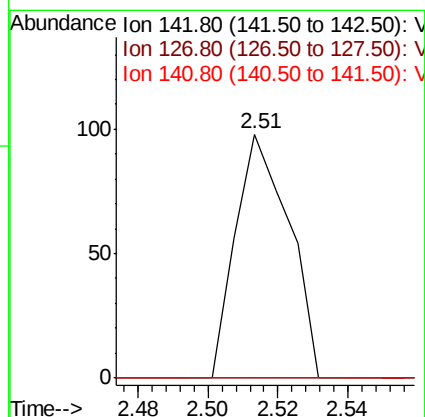
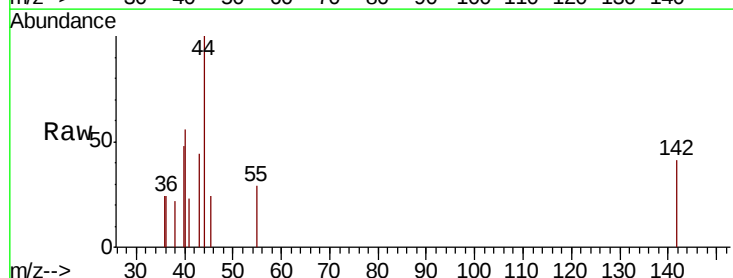
Tot Ion:101 Resp: 4540
 Ion Ratio Lower Upper
 101 100
 103 70.5 52.4 78.6

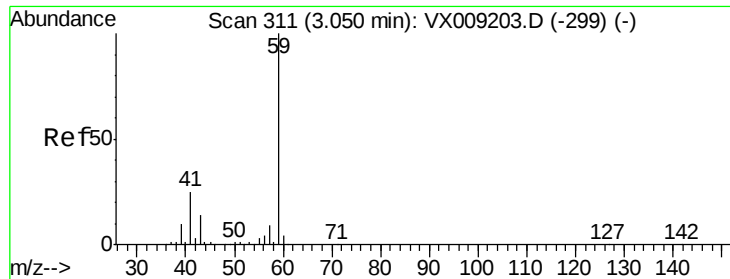


#10

Methyl Iodide
 Concen: 4.640 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX009437.D
 Acq: 09 May 2019 18:54

Tgt Ion:142 Resp: 104
 Ion Ratio Lower Upper
 142 100
 127 0.0 32.7 49.1#
 141 0.0 11.5 17.3#

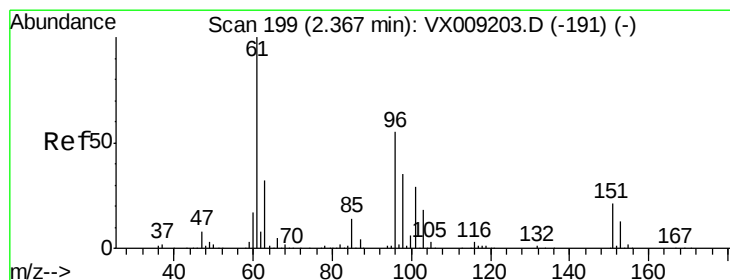
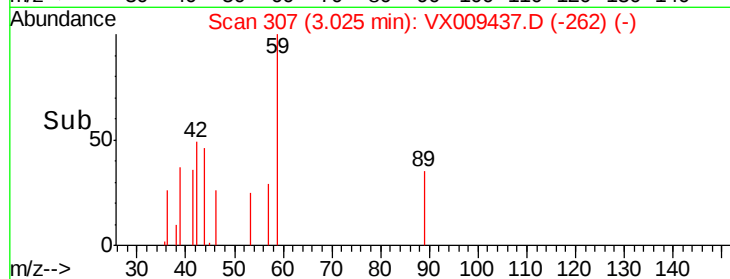
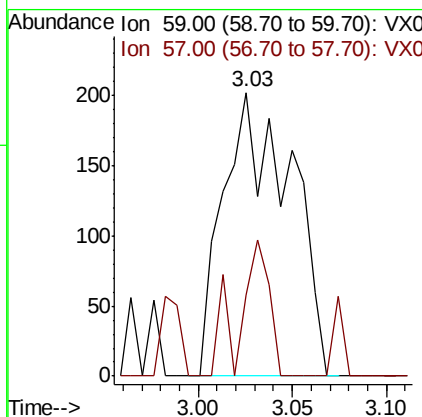
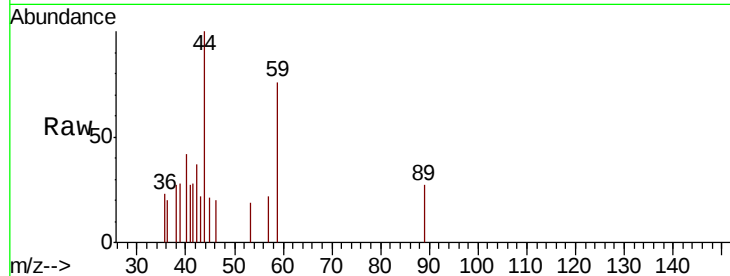




#11
Tert butyl alcohol
Concen: 0.844 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

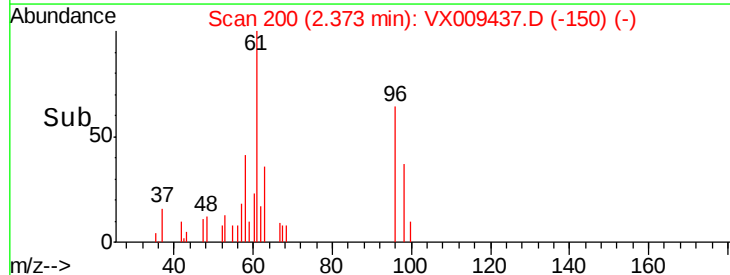
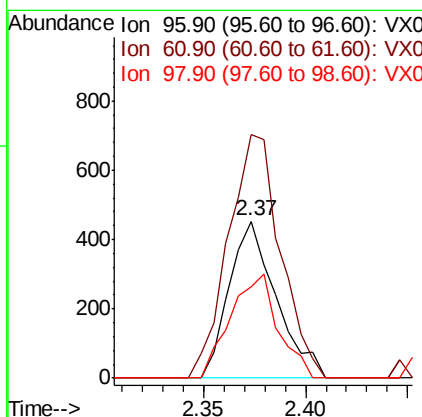
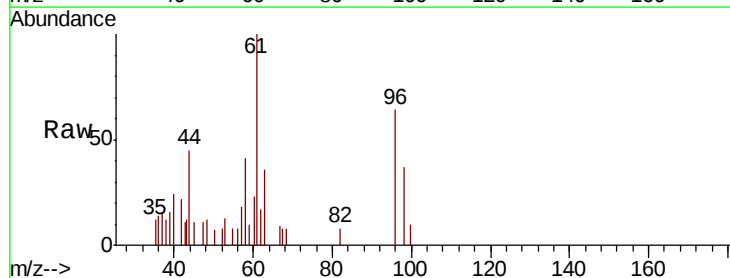
Instrument :
MSVOA_X
ClientSampled :

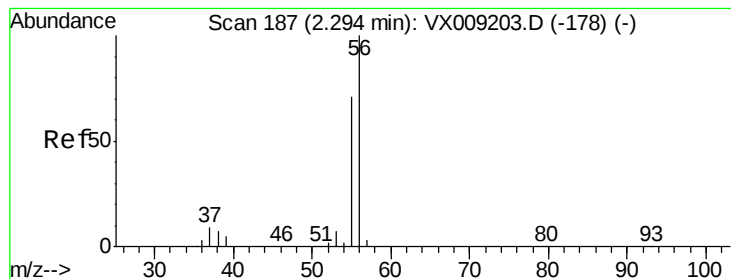
Tot Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 21.3 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.410 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

Tgt Ion: 96 Resp: 723
Ion Ratio Lower Upper
96 100
61 155.2 144.3 216.5
98 58.1 50.3 75.5





#13

Acrolein

Concen: 0.359 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

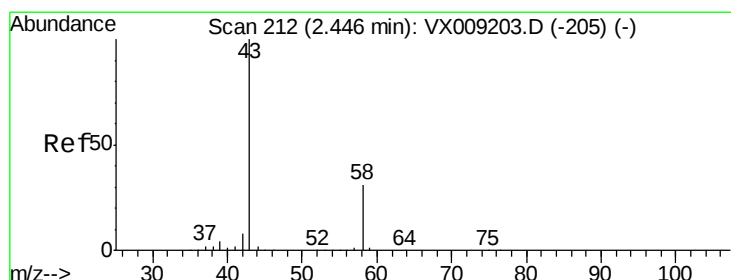
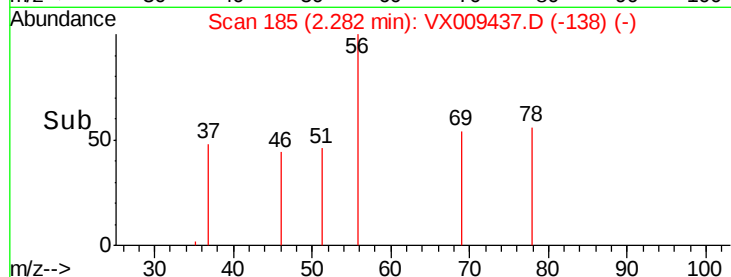
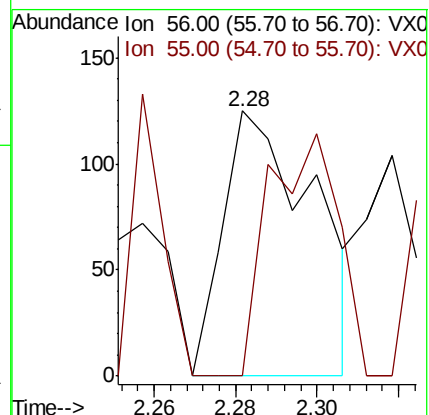
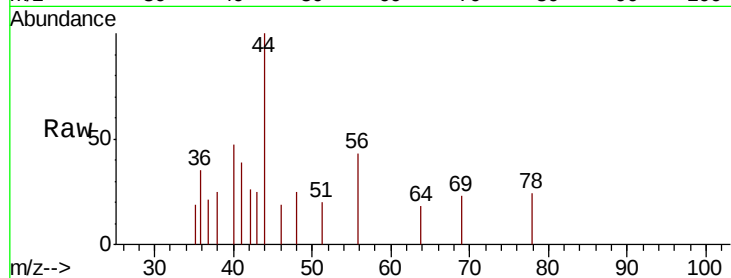
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 69.9 56.6 85.0



#16

Acetone

Concen: 13.334 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009437.D

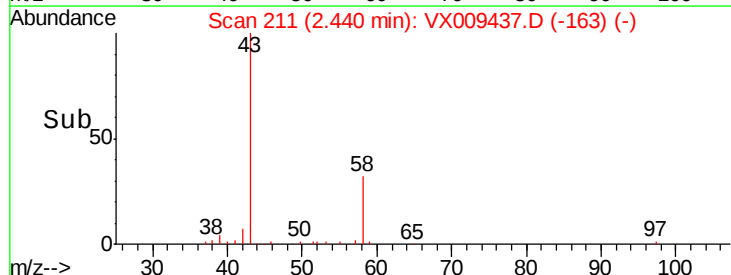
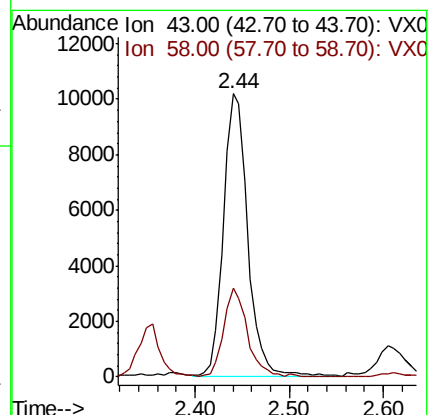
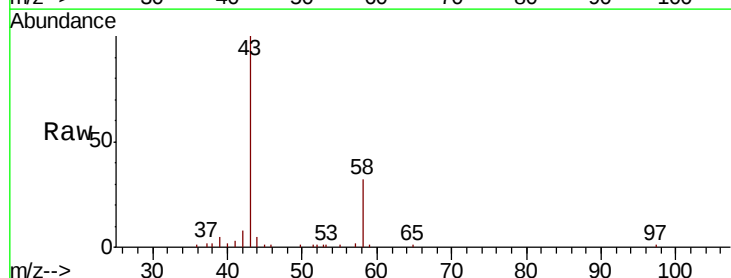
Acq: 09 May 2019 18:54

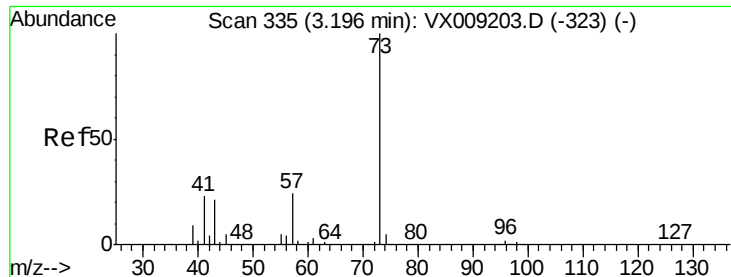
Tgt Ion: 43 Resp: 18387

Ion Ratio Lower Upper

43 100

58 31.5 24.9 37.3

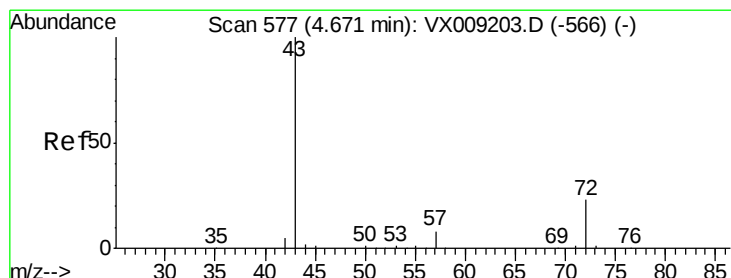
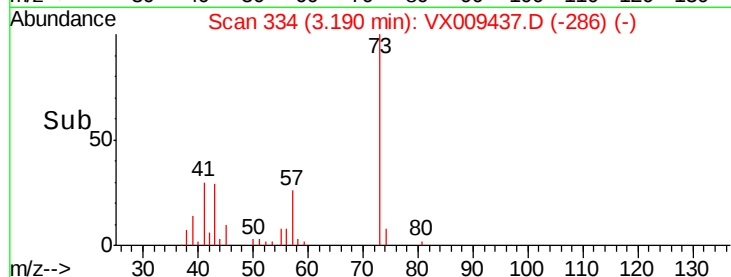
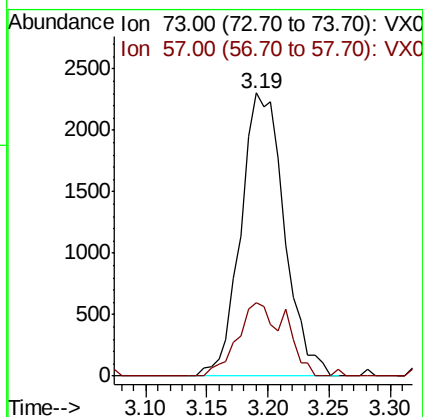
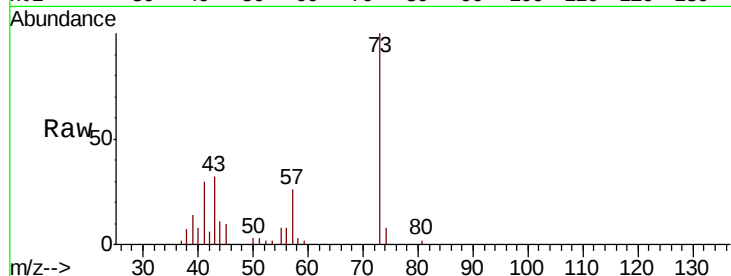




#19
Methvl tert-butvl Ether
Concen: 0.831 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

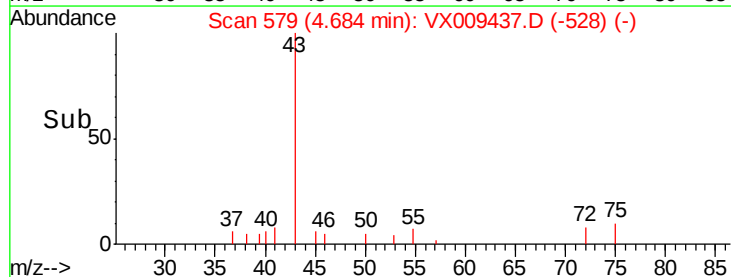
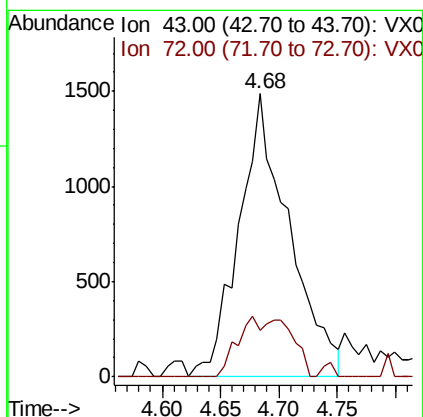
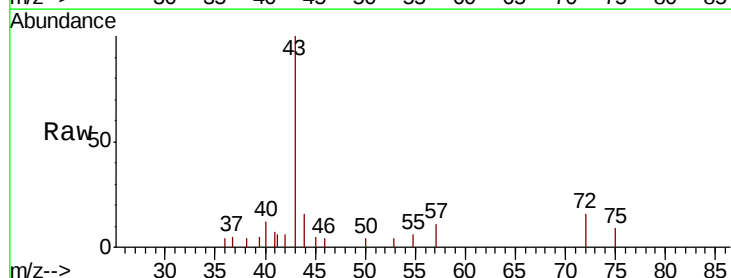
Instrument :
MSVOA_X
ClientSampled :

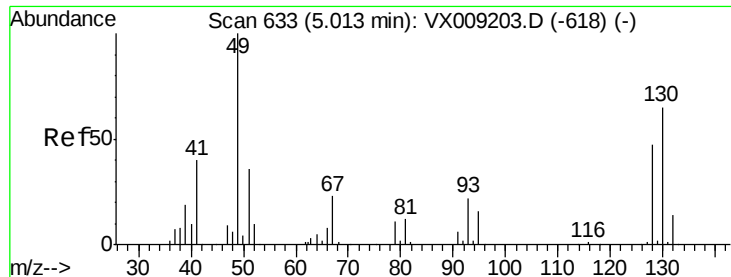
Tot Ion: 73 Resp: 5693
Ion Ratio Lower Upper
73 100
57 25.7 19.3 28.9



#25
2-Butanone
Concen: 2.063 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

Tgt Ion: 43 Resp: 4420
Ion Ratio Lower Upper
43 100
72 16.4 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

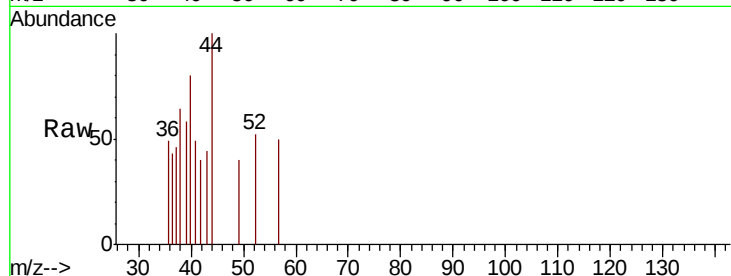
Delta R.T. 0.01 min

Lab File: VX009437.D

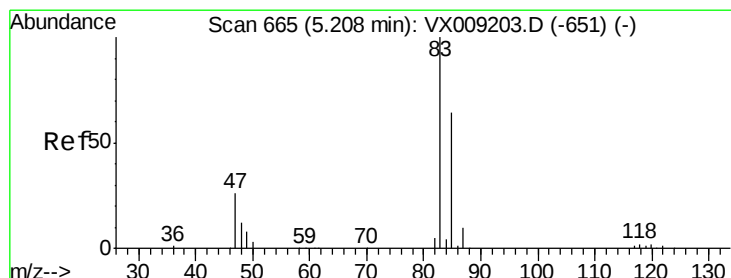
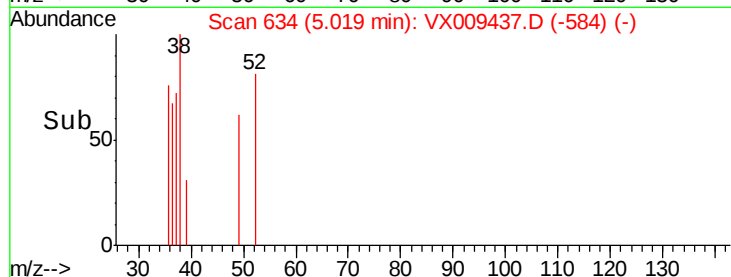
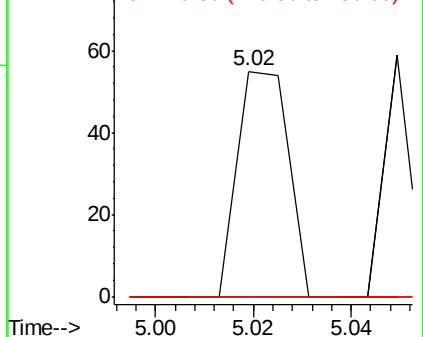
Acq: 09 May 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 40
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: 0.351 ug/l

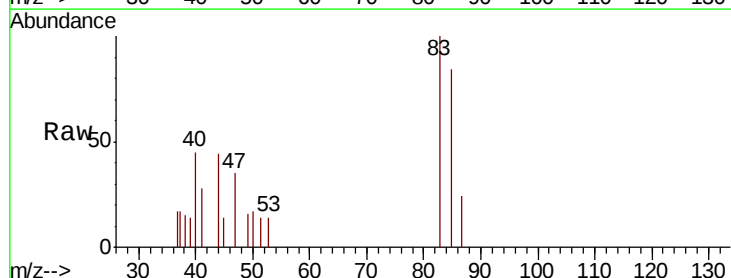
RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

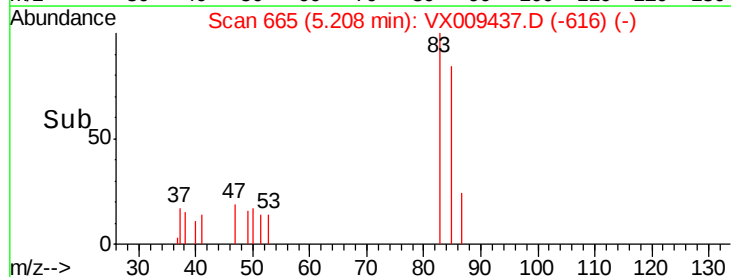
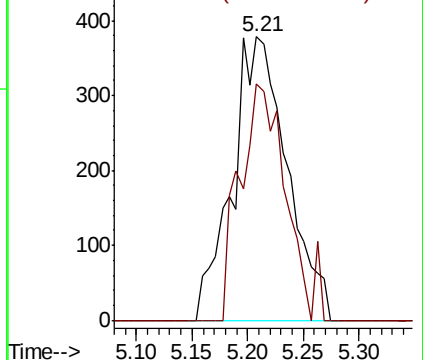
Lab File: VX009437.D

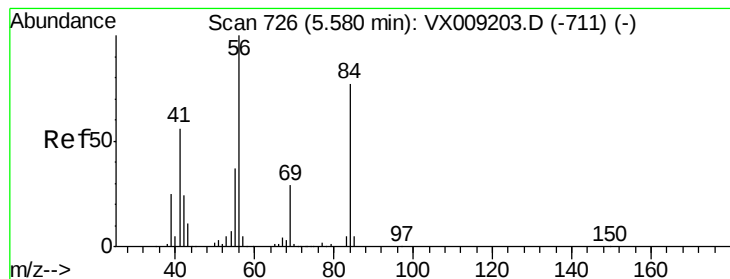
Acq: 09 May 2019 18:54

Tgt Ion: 83 Resp: 1297
Ion Ratio Lower Upper
83 100
85 83.6 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: 1.043 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

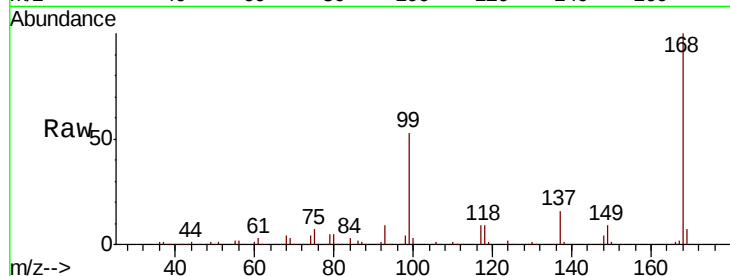
Tot Ion: 56 Resp: 3961

Ion Ratio Lower Upper

56 100

69 159.7 23.4 35.0#

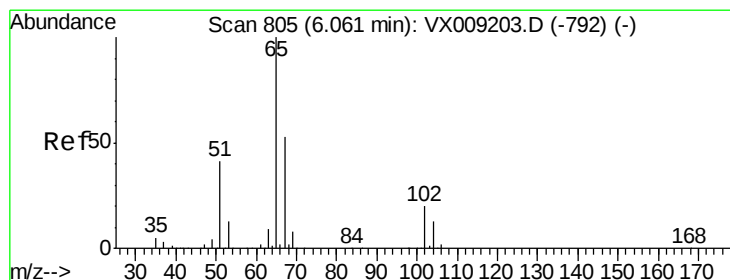
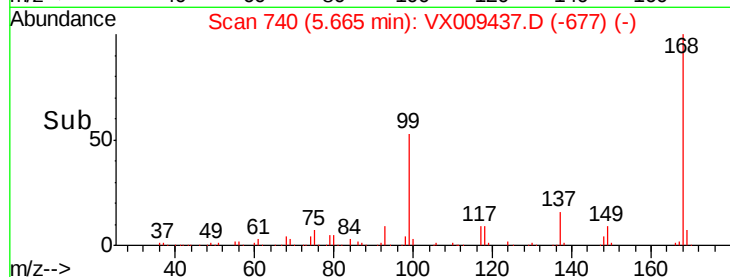
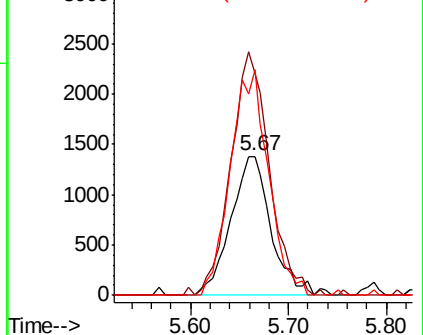
84 162.1 61.9 92.9#



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: 47.888 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009437.D

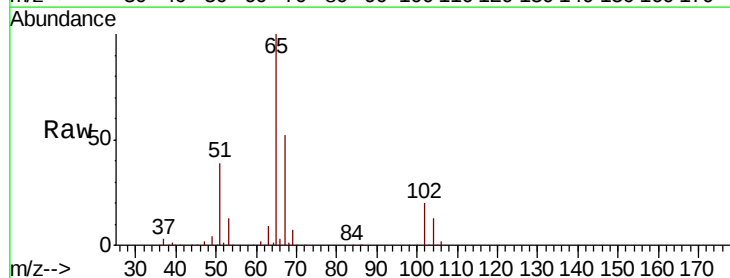
Acq: 09 May 2019 18:54

Tgt Ion: 65 Resp: 122979

Ion Ratio Lower Upper

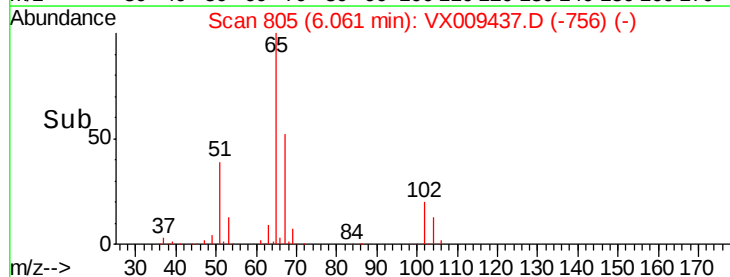
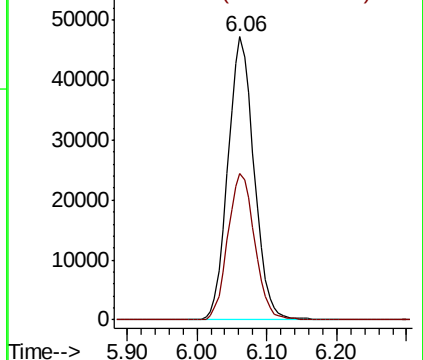
65 100

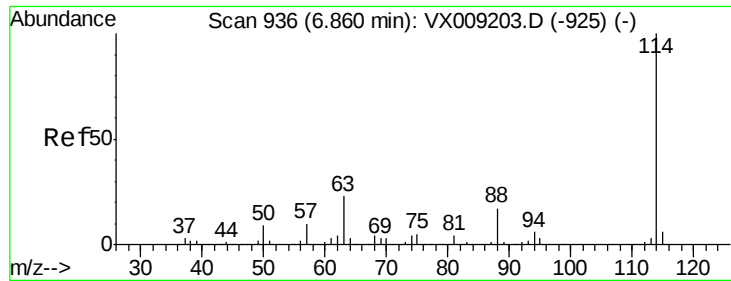
67 53.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

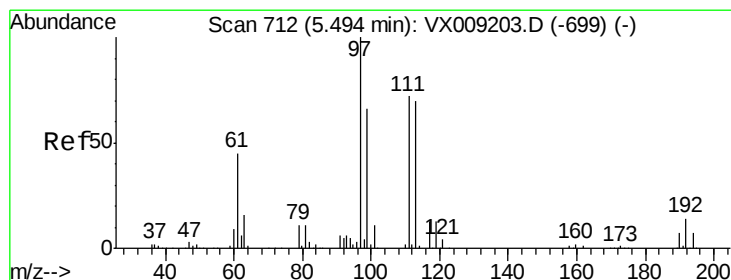
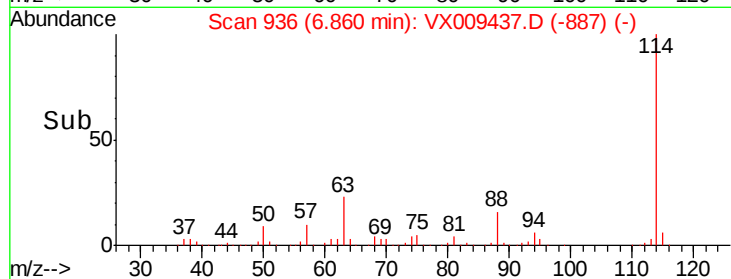
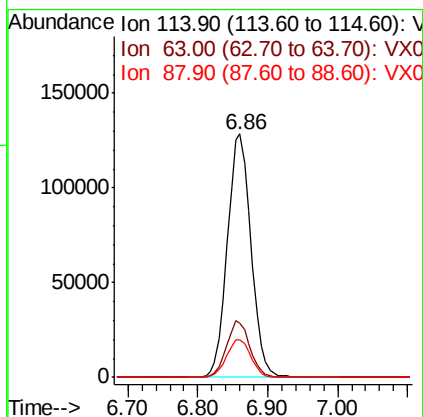
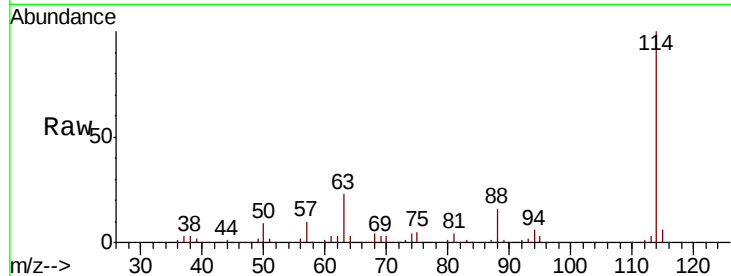




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009437.D
 Acq: 09 May 2019 18:54

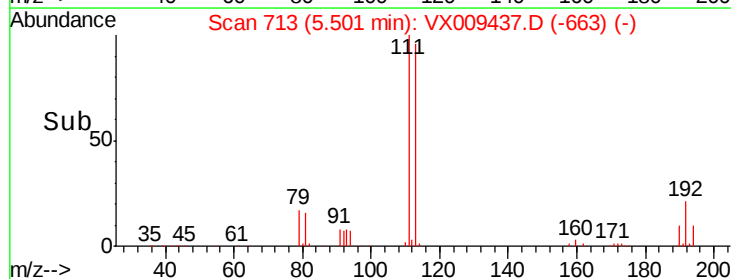
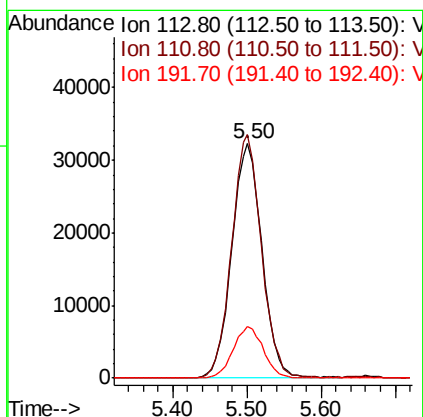
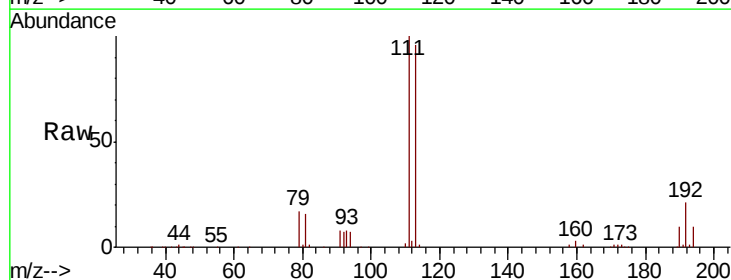
Instrument :
 MSVOA_X
 ClientSampleId :

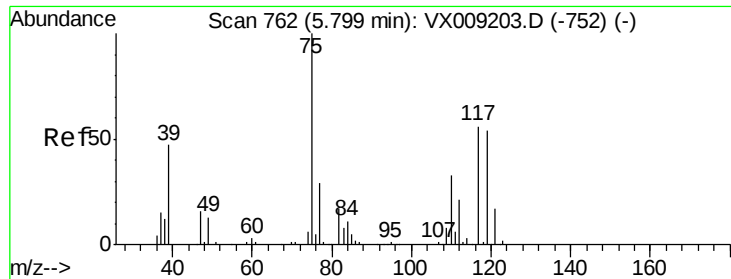
Tot Ion:114 Resp: 302200
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 15.6 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.461 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009437.D
 Acq: 09 May 2019 18:54

Tgt Ion:113 Resp: 92064
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.8 124.2
 192 21.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

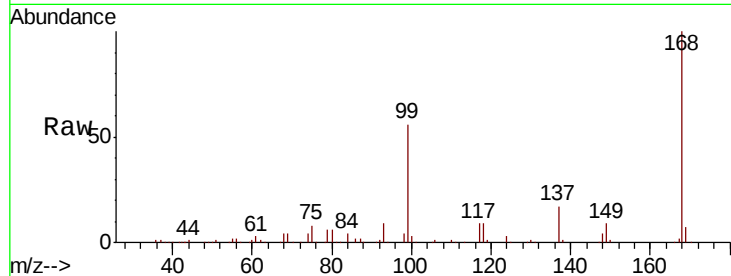
Tot Ion: 75 Resp: 14348

Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

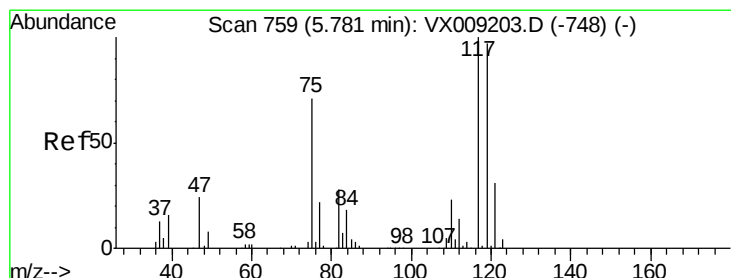
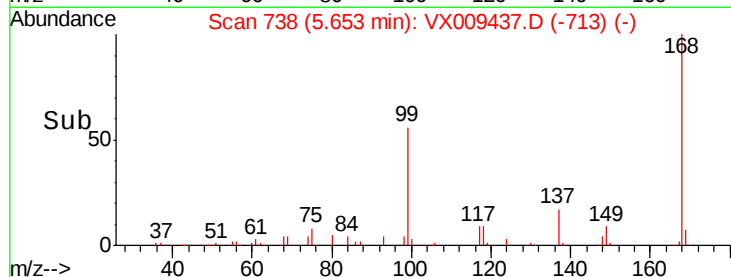
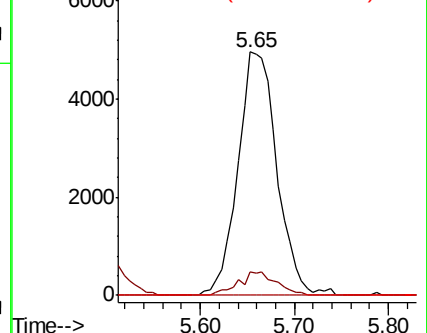
77 0.0 24.8 37.2#



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: 6.775 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

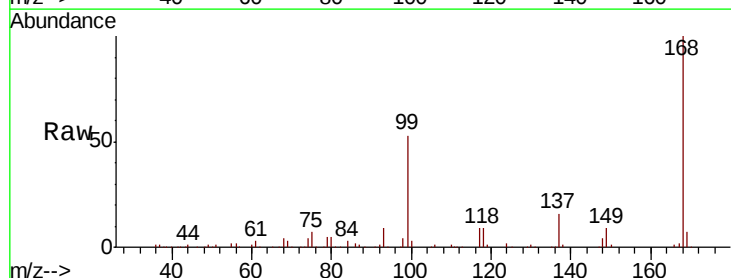
Tgt Ion: 117 Resp: 17288

Ion Ratio Lower Upper

117 100

119 6.3 77.5 116.3#

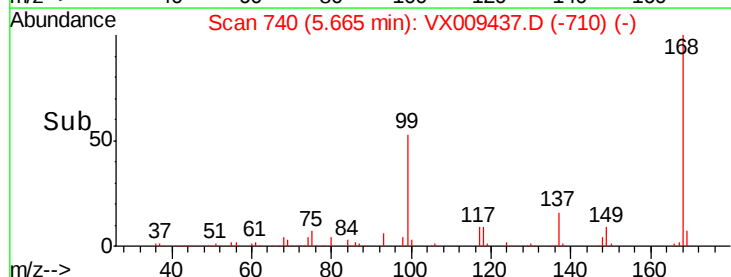
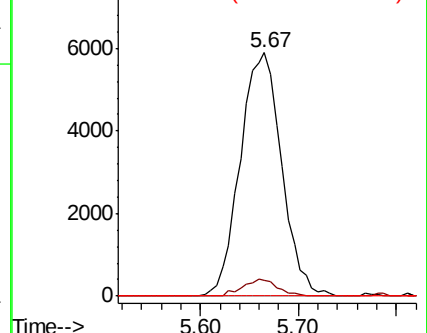
121 0.0 24.7 37.1#

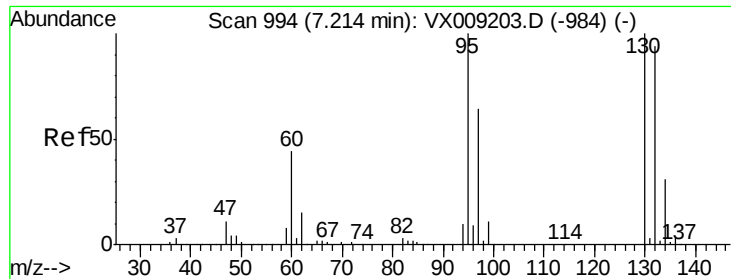


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

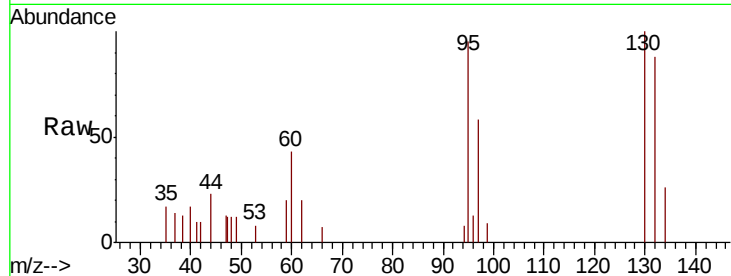




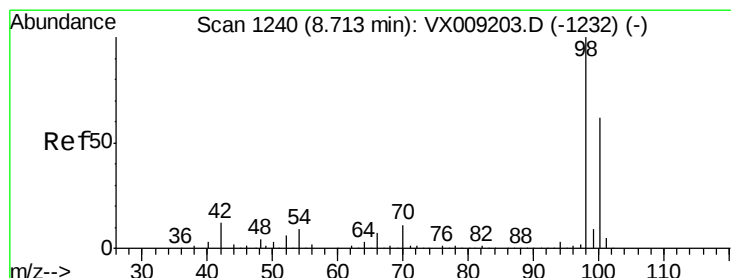
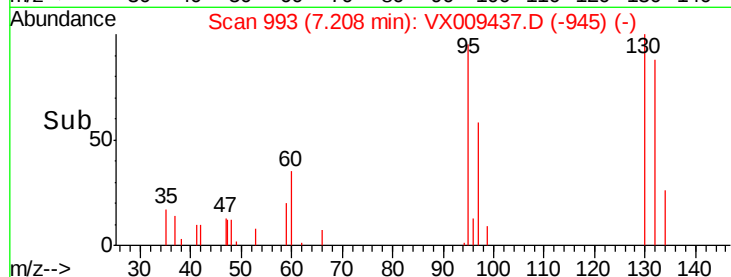
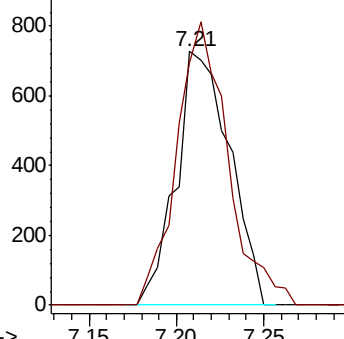
#44
 Trichloroethene
 Concen: 0.739 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009437.D
 Acq: 09 May 2019 18:54

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 1553
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 199.2

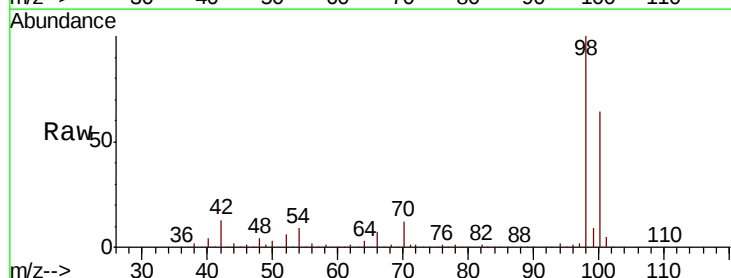


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

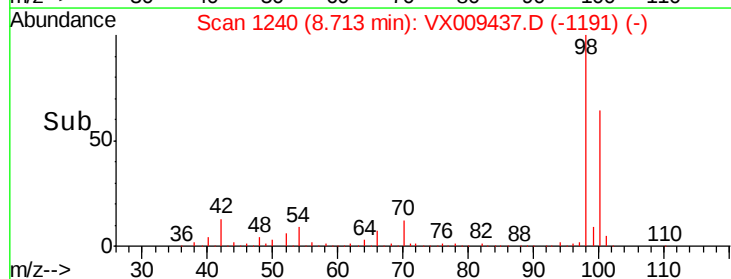
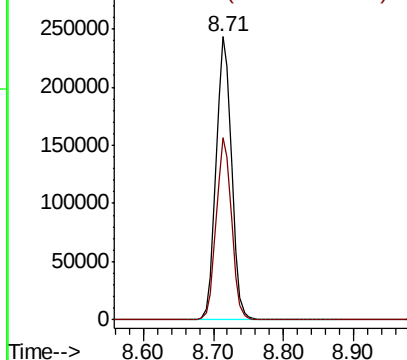


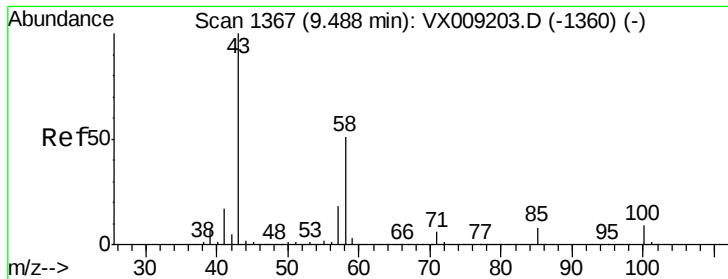
#50
 Toluene-d8
 Concen: 48.860 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009437.D
 Acq: 09 May 2019 18:54

Tgt Ion: 98 Resp: 374745
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

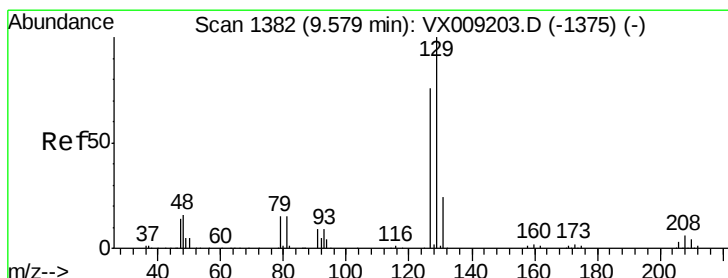
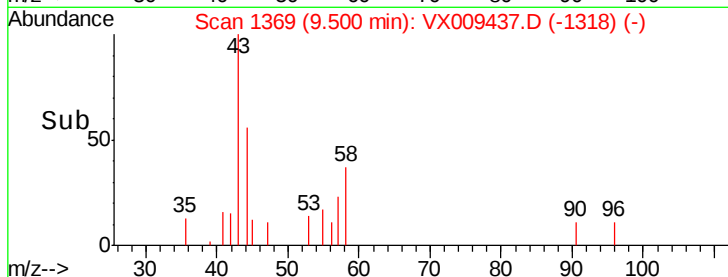
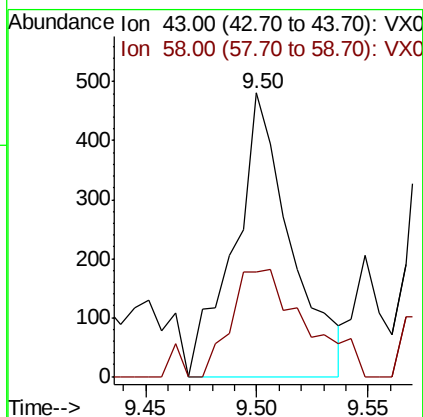
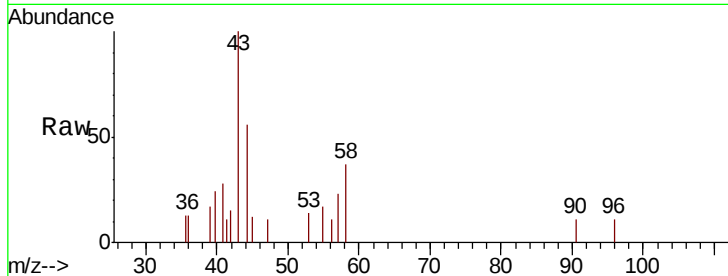




#59
2-Hexanone
Concen: 0.265 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

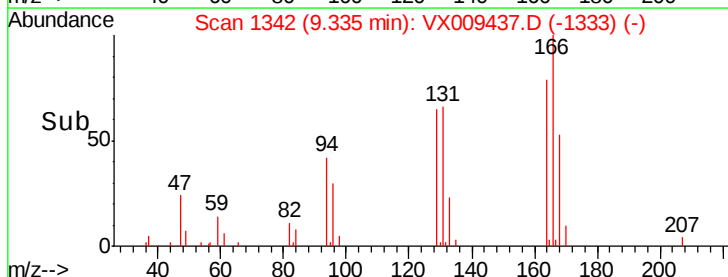
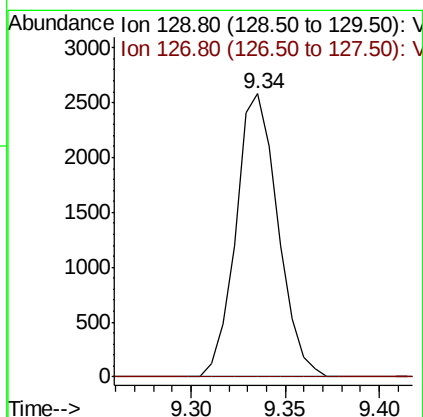
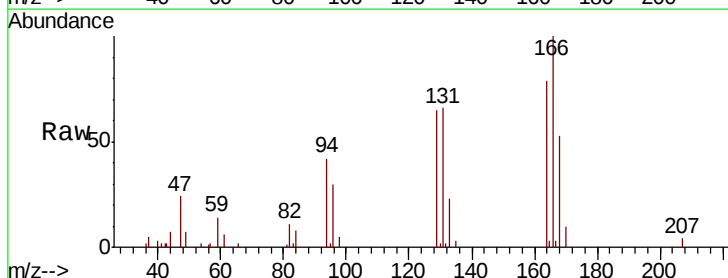
Instrument :
MSVOA_X
ClientSampled :

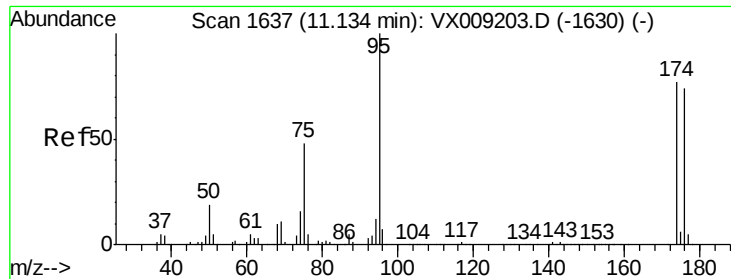
Tot Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 49.6 25.9 77.7



#60
Dibromochloromethane
Concen: 1.889 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

Tgt Ion: 129 Resp: 3977
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 44.902 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

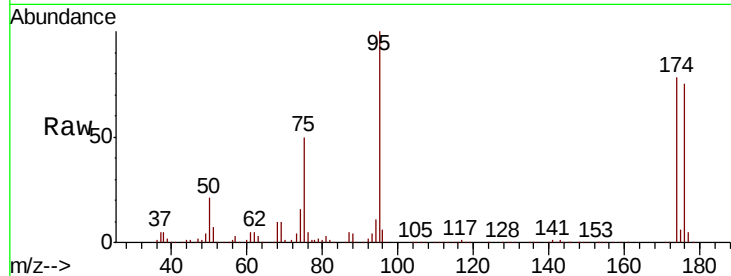
Tot Ion: 95 Resp: 125138

Ion Ratio Lower Upper

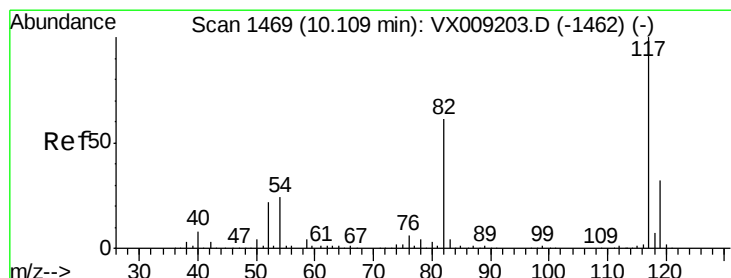
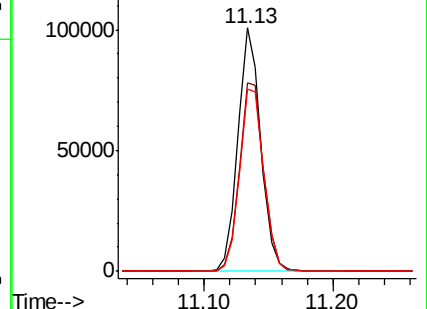
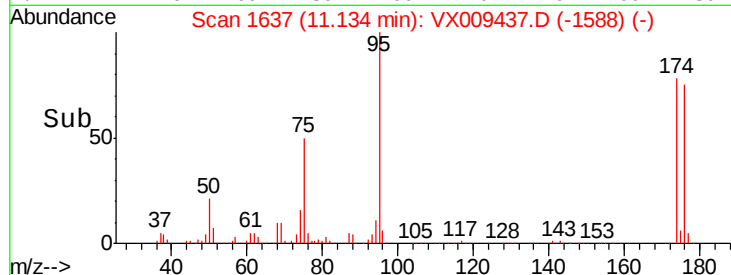
95 100

174 81.9 0.0 161.6

176 79.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009437.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

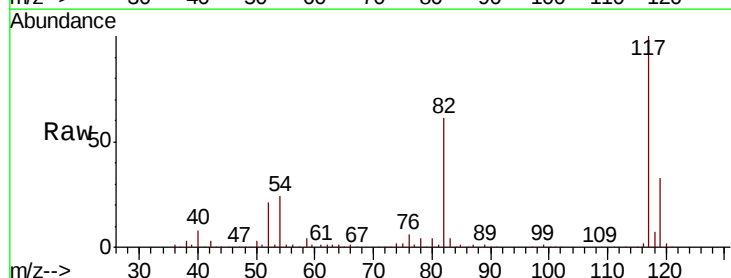
Tgt Ion: 117 Resp: 262265

Ion Ratio Lower Upper

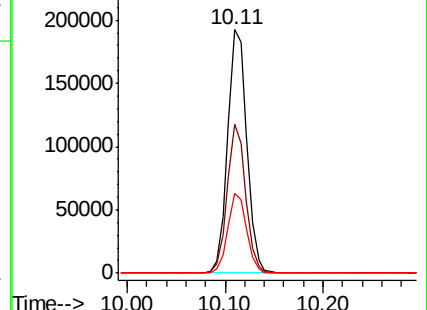
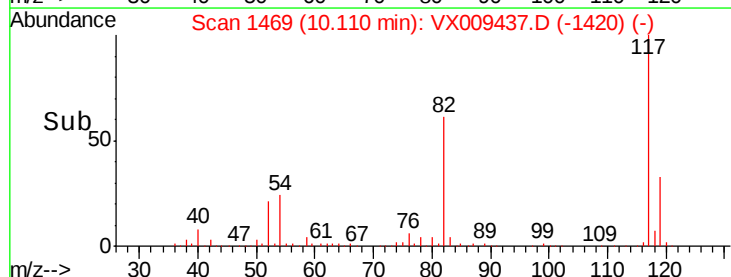
117 100

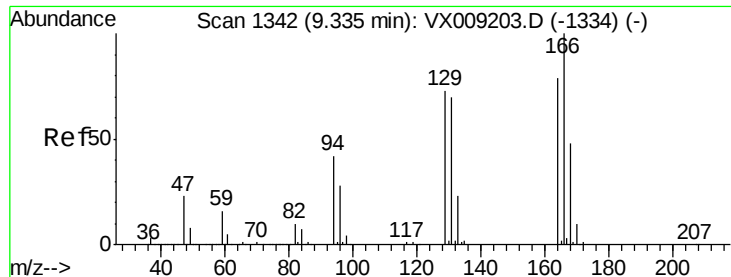
82 61.2 48.8 73.2

119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009437.D (-1420) (-)

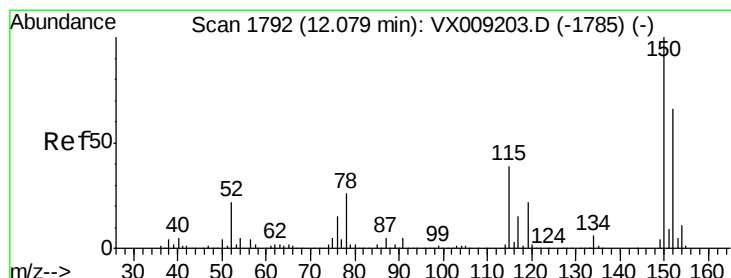
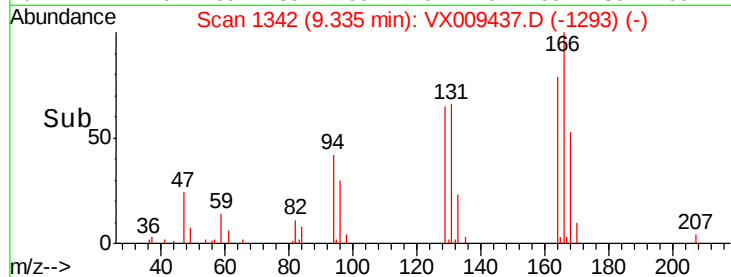
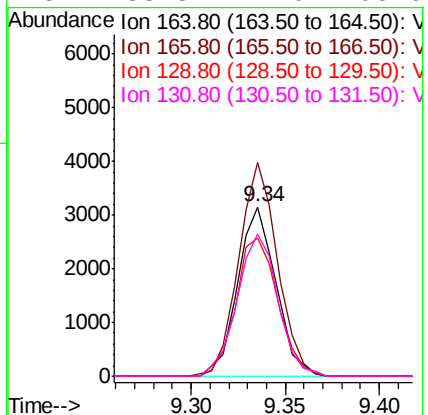
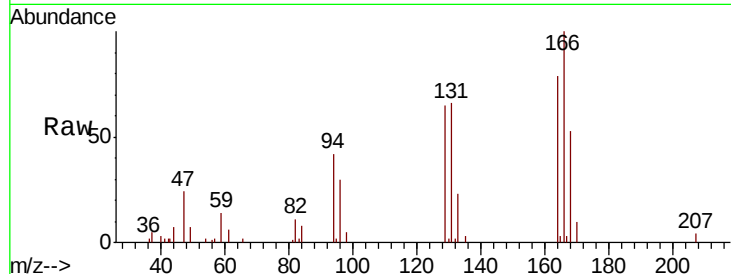




#64
Tetrachloroethene
Concen: 2.459 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

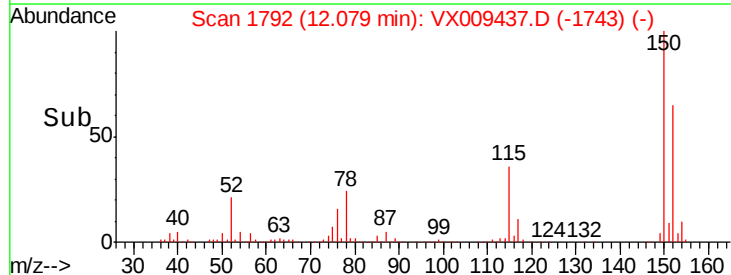
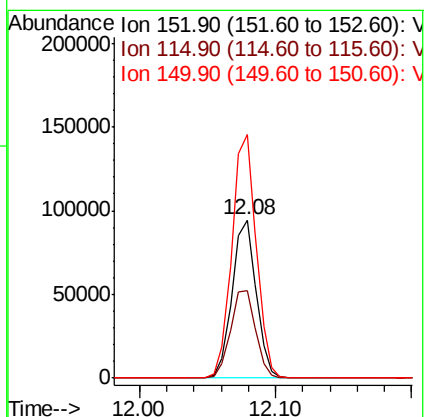
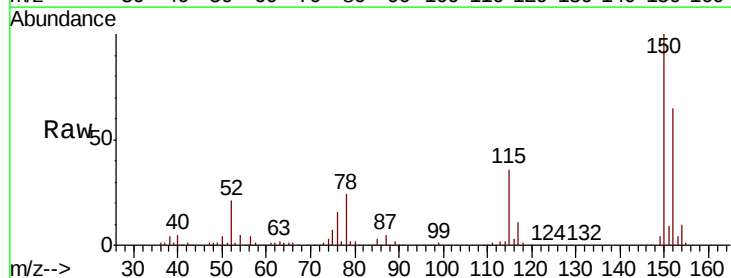
Instrument :
MSVOA_X
ClientSampleId :

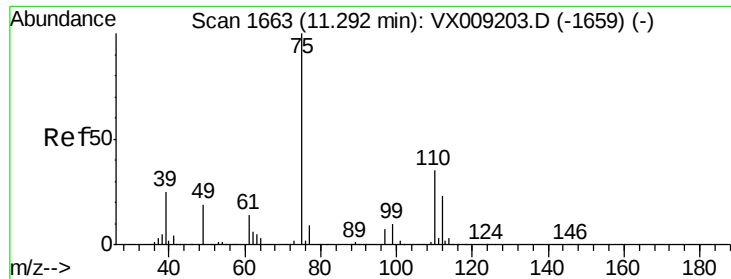
Tot Ion:164 Resp: 4424
Ion Ratio Lower Upper
164 100
166 126.3 101.2 151.8
129 81.9 74.3 111.5
131 83.8 71.0 106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009437.D
Acq: 09 May 2019 18:54

Tgt Ion:152 Resp: 116010
Ion Ratio Lower Upper
152 100
115 57.8 41.2 123.6
150 155.9 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.720 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

Instrument :

MSVOA_X

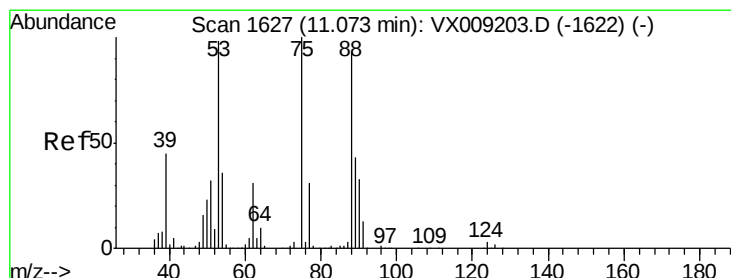
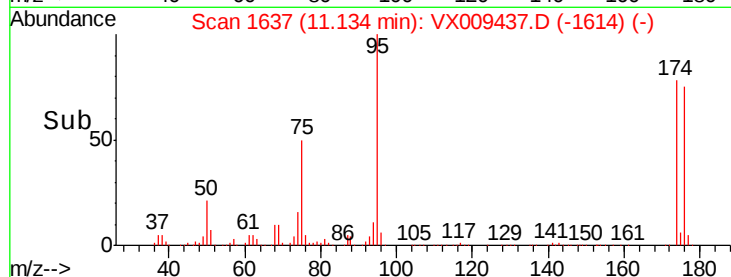
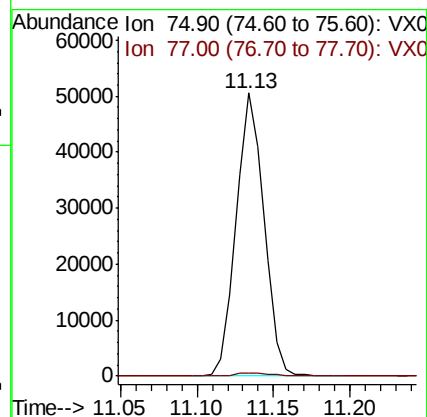
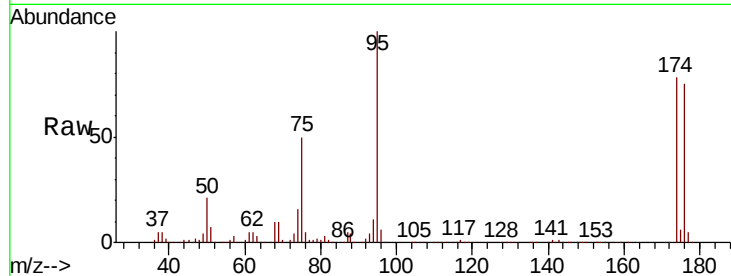
ClientSampled :

Tot Ion: 75 Resp: 63831

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009437.D

Acq: 09 May 2019 18:54

Tgt Ion: 75 Resp: 63831

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 34.7 52.1#

