

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009430.D
 Acq On : 09 May 2019 16:11
 Operator : JC/SP
 Sample : K2748-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:07:35 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	184959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108624	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	120583	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	5.50	113	90452	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	366807	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.13	95	120304	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

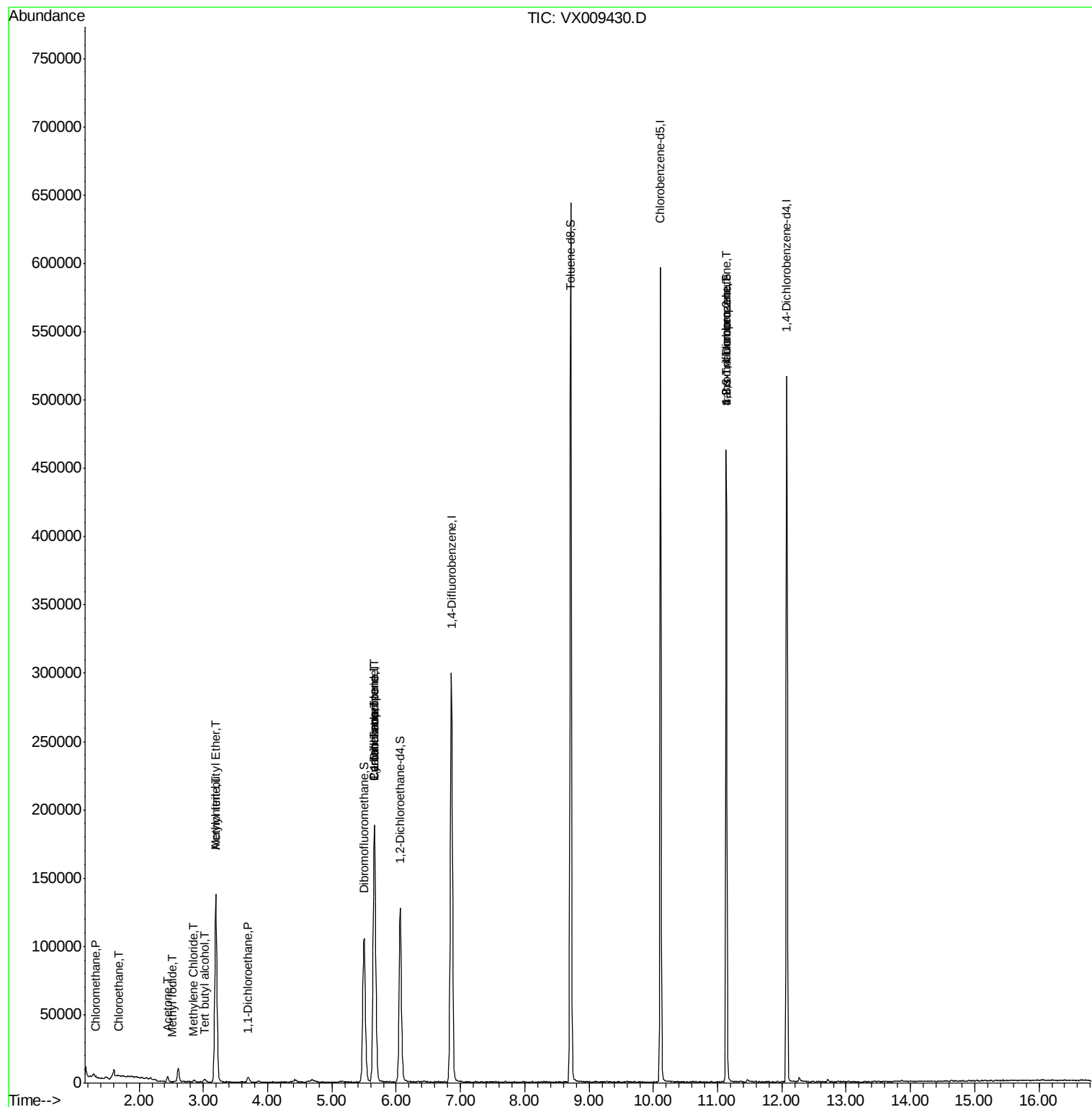
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	497	0.214	ug/l	100
6) Chloroethane	1.68	64	412	0.283	ug/l #	43
10) Methyl Iodide	2.51	142	21	4.603	ug/l #	42
11) Tert butyl alcohol	3.02	59	1536	2.628	ug/l #	73
15) Acrylonitrile	3.19	53	1934	1.353	ug/l #	34
16) Acetone	2.44	43	4693	3.461	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	149728	22.218	ug/l	100
20) Methylene Chloride	2.85	84	600	0.273	ug/l #	58
24) 1,1-Dichloroethane	3.70	63	3730	0.930	ug/l	99
28) Bromochloromethane	5.04	49	19	Below Cal	#	20
31) Cyclohexane	5.65	56	4146	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14206	5.155	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17231	6.882	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	61403	24.369	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61403	62.352	ug/l #	10

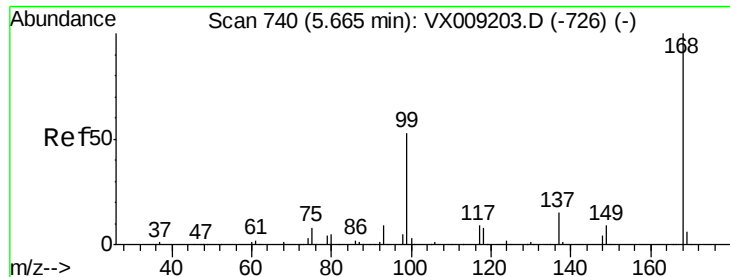
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009430.D

Acq: 09 May 2019 16:11

Instrument :

MSVOA_X

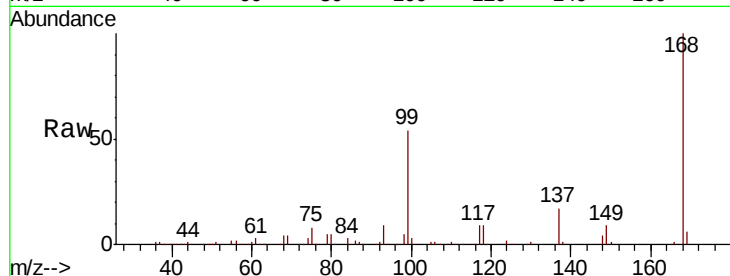
ClientSampled :

Tot Ion:168 Resp: 184959

Ion Ratio Lower Upper

168 100

99 53.9 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

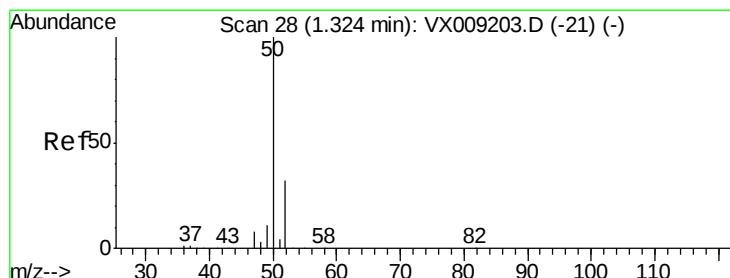
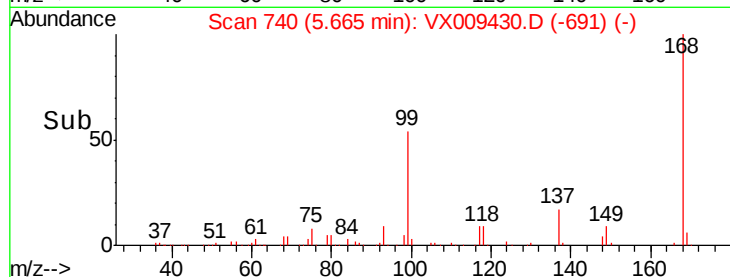
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.214 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009430.D

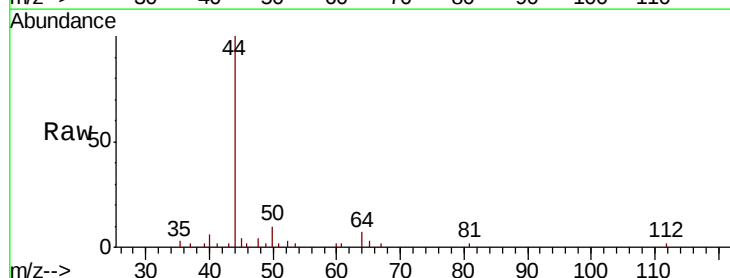
Acq: 09 May 2019 16:11

Tgt Ion: 50 Resp: 497

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

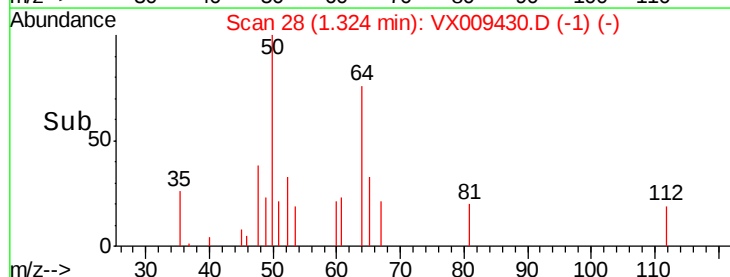
300

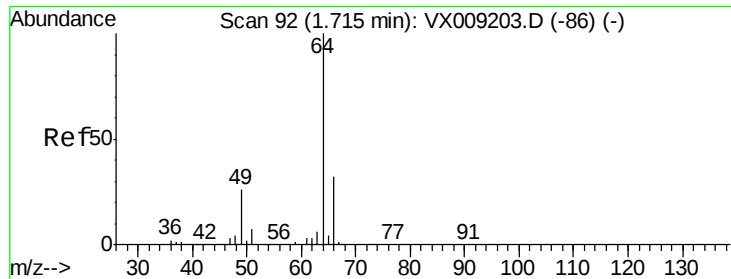
200

100

0

Time--> 1.30 1.35 1.40





#6

Chloroethane

Concen: 0.283 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

Instrument :

MSVOA_X

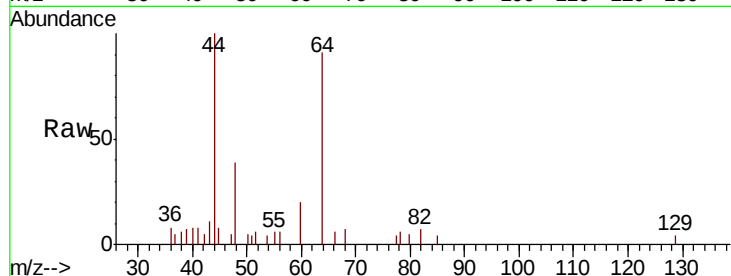
ClientSampled :

Tot Ion: 64 Resp: 412

Ion Ratio Lower Upper

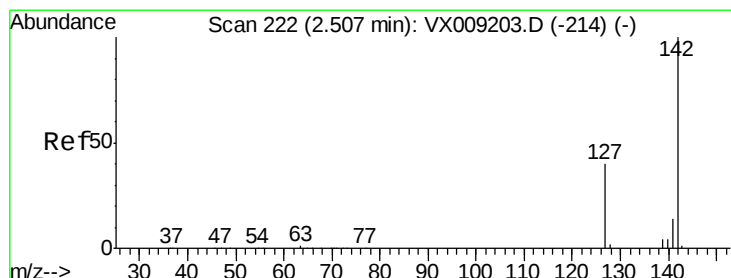
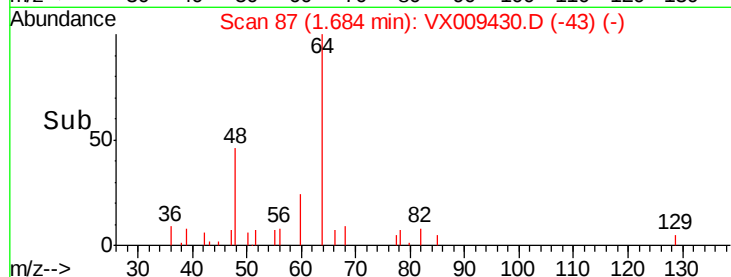
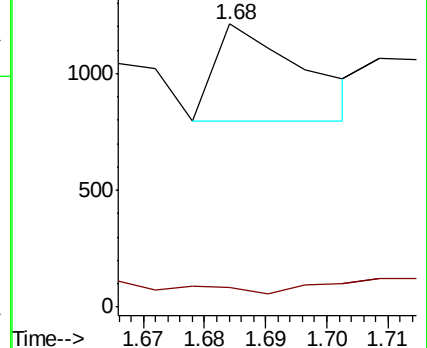
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.603 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

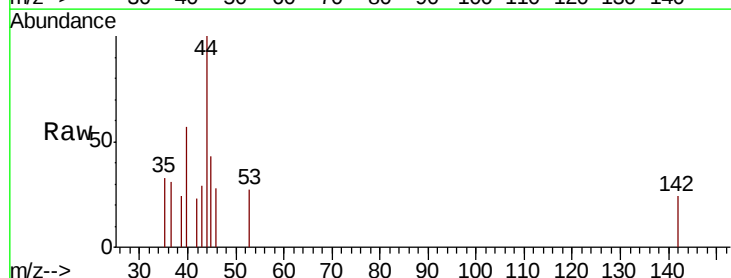
Tgt Ion: 142 Resp: 21

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

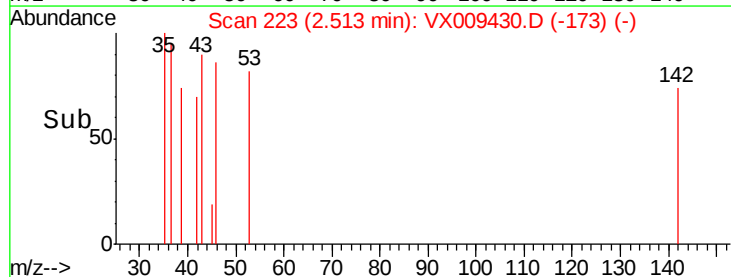
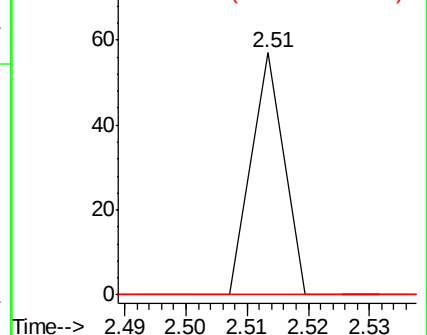
141 0.0 11.5 17.3#

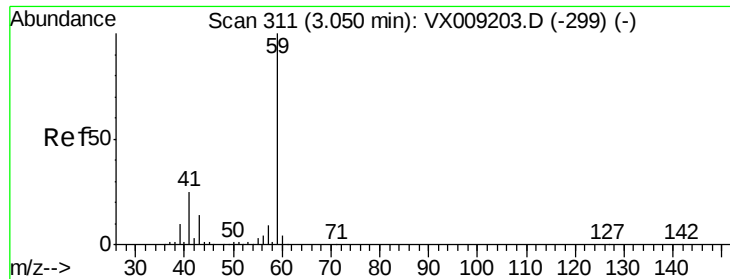


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

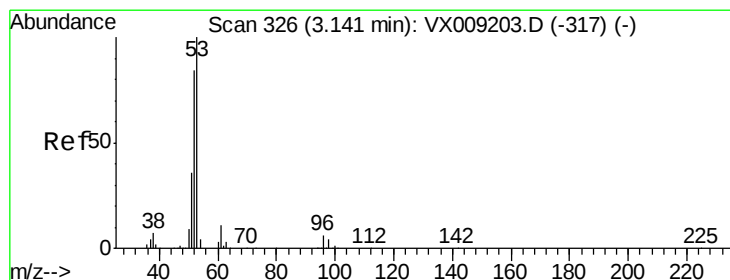
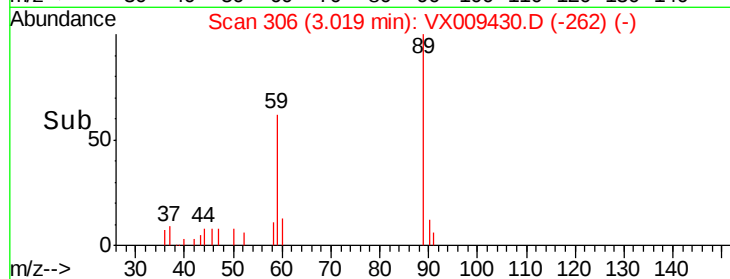
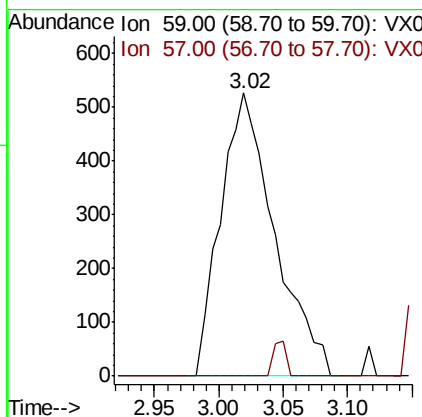
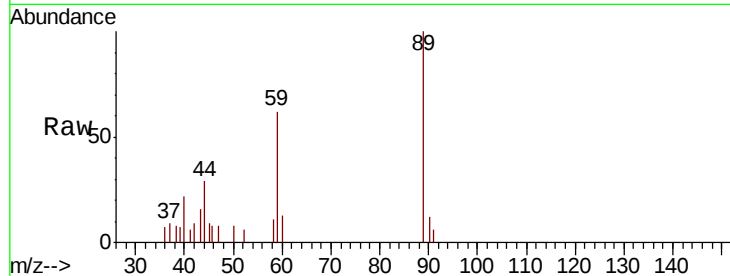




#11
Tert butyl alcohol
Concen: 2.628 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009430.D
Acq: 09 May 2019 16:11

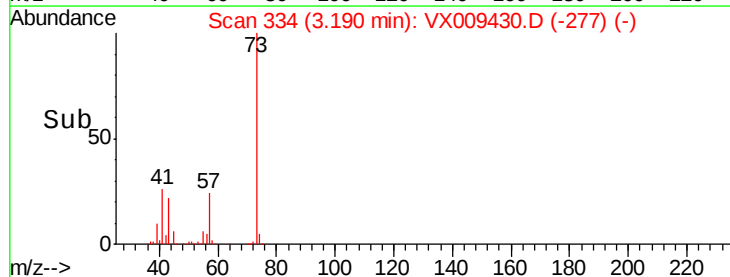
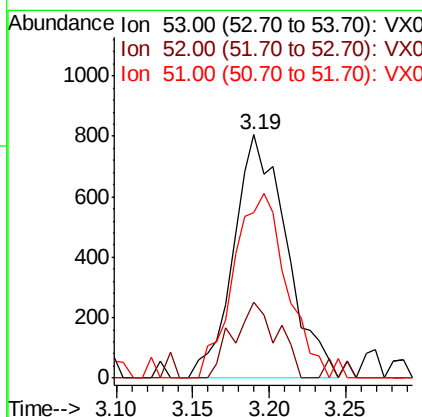
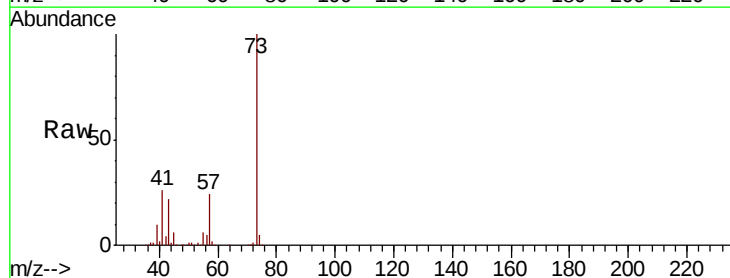
Instrument :
MSVOA_X
ClientSampleId :

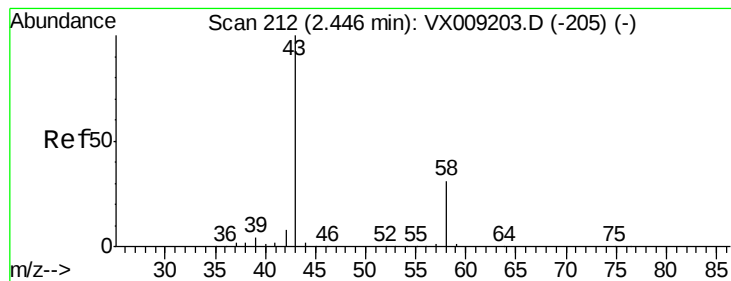
Tot Ion: 59 Resp: 1536
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#15
Acrylonitrile
Concen: 1.353 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.05 min
Lab File: VX009430.D
Acq: 09 May 2019 16:11

Tgt Ion: 53 Resp: 1934
Ion Ratio Lower Upper
53 100
52 26.2 66.9 100.3#
51 77.6 28.2 42.2#





#16

Acetone

Concen: 3.461 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

Instrument :

MSVOA_X

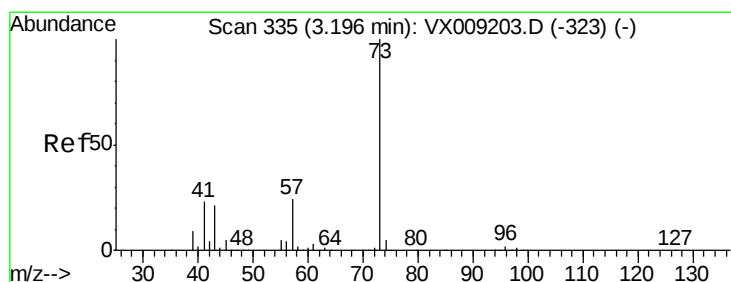
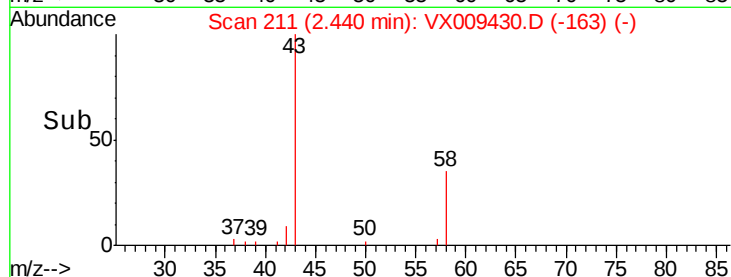
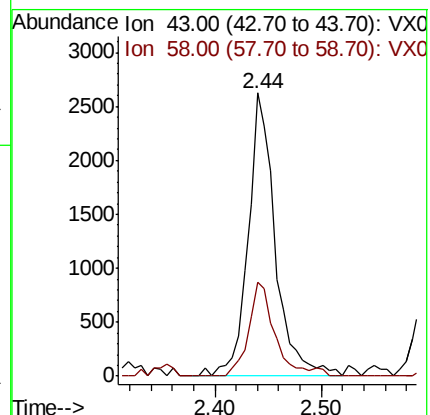
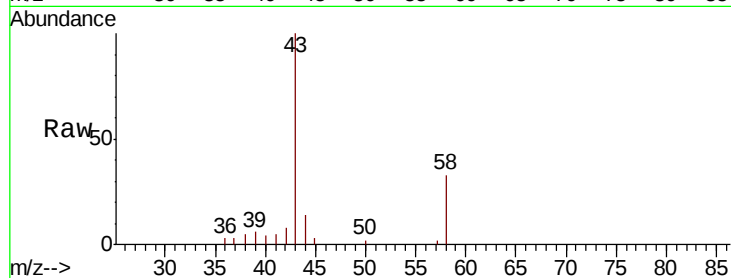
ClientSampleId :

Tot Ion: 43 Resp: 4693

Ion Ratio Lower Upper

43 100

58 33.2 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 22.218 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX009430.D

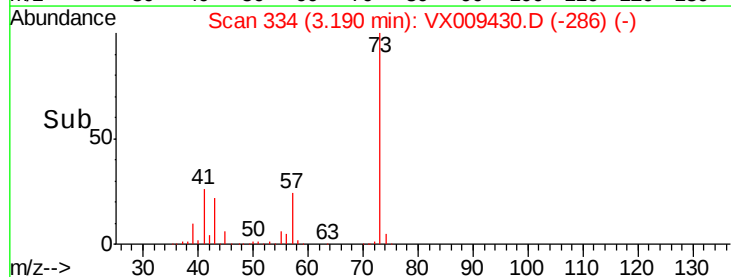
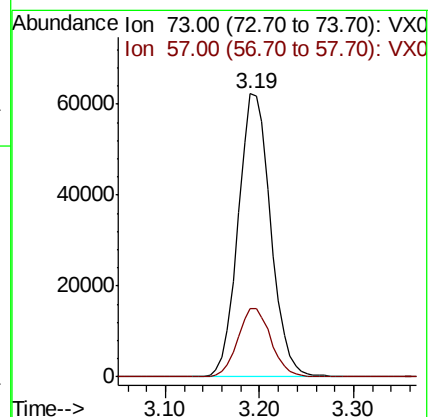
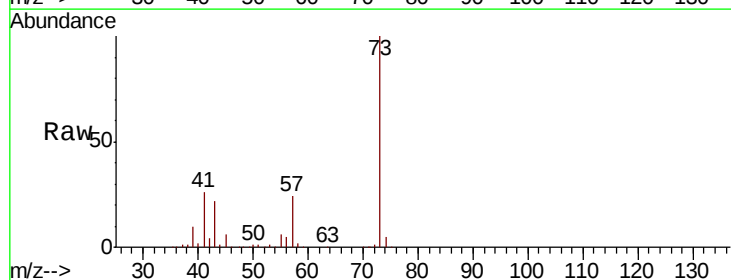
Acq: 09 May 2019 16:11

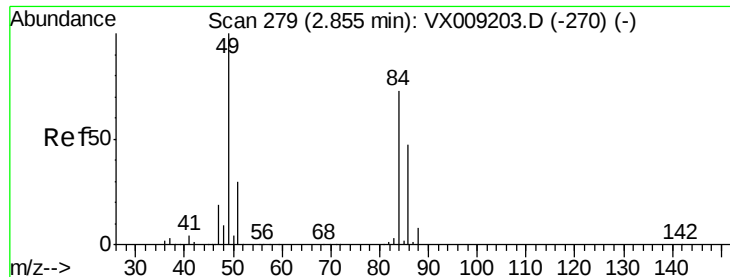
Tgt Ion: 73 Resp: 149728

Ion Ratio Lower Upper

73 100

57 24.2 19.3 28.9

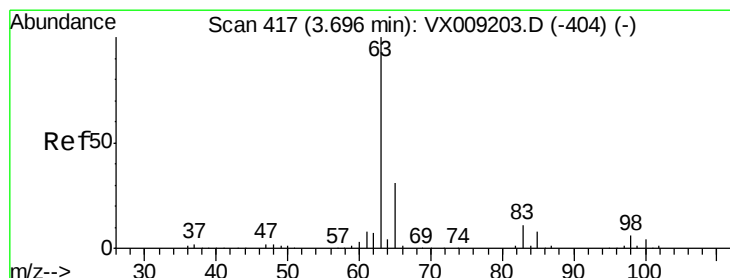
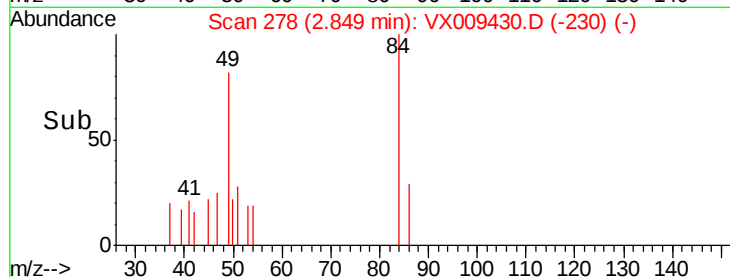
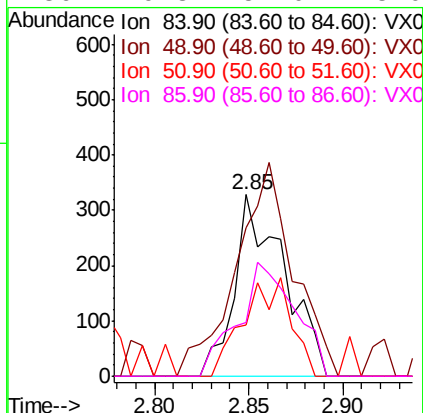
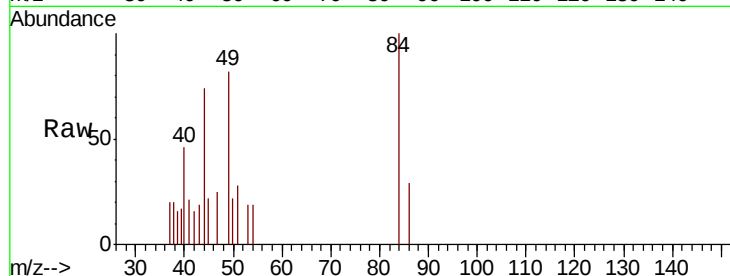




#20
Methvlene Chloride
Concen: 0.273 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX009430.D
Acq: 09 May 2019 16:11

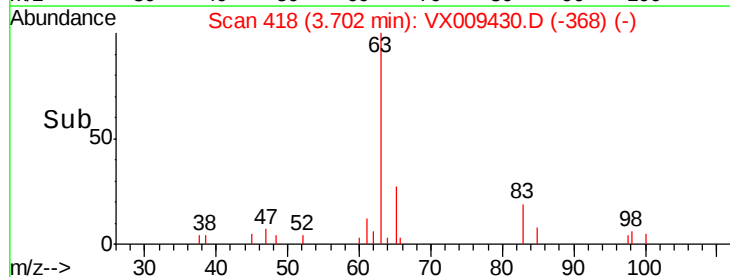
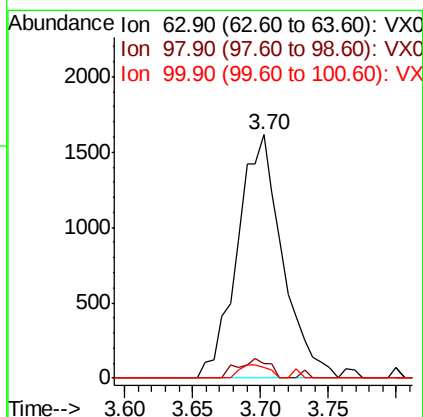
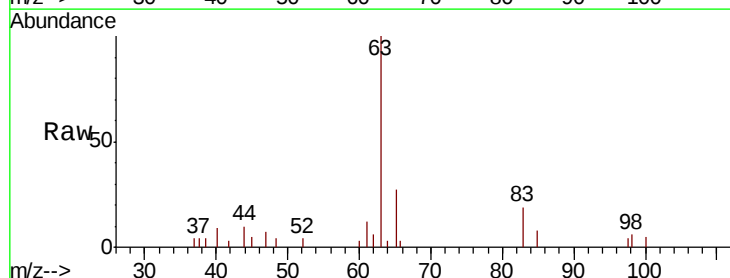
Instrument :
MSVOA_X
ClientSampleId :

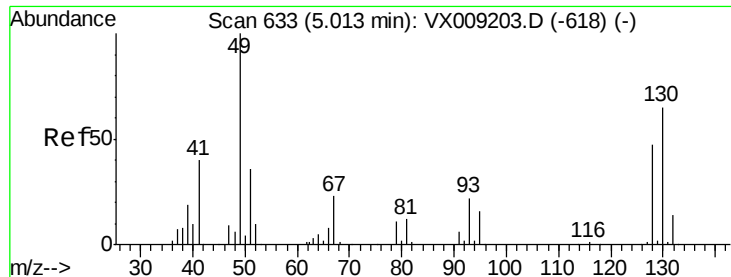
Tot Ion: 84 Resp: 600
Ion Ratio Lower Upper
84 100
49 81.7 109.9 164.9#
51 28.0 32.7 49.1#
86 29.3 52.0 78.0#



#24
1,1-Dichloroethane
Concen: 0.930 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX009430.D
Acq: 09 May 2019 16:11

Tgt Ion: 63 Resp: 3730
Ion Ratio Lower Upper
63 100
98 5.9 3.0 9.2
100 4.6 2.0 6.0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

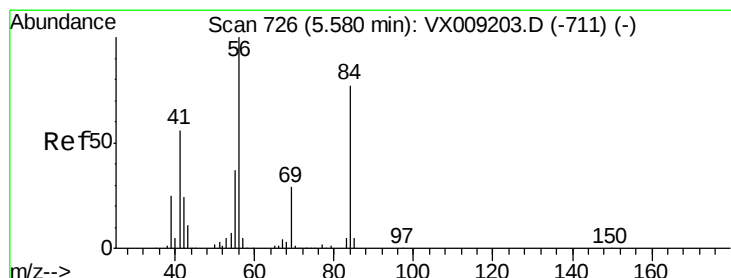
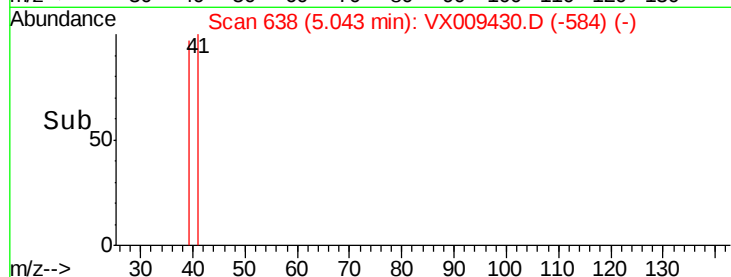
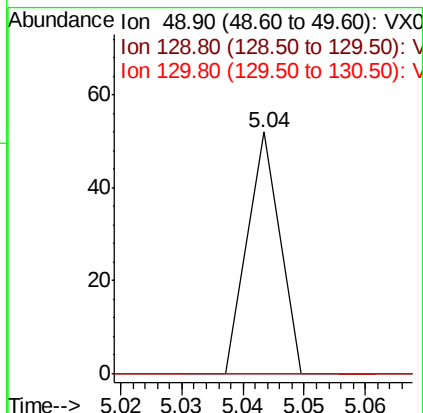
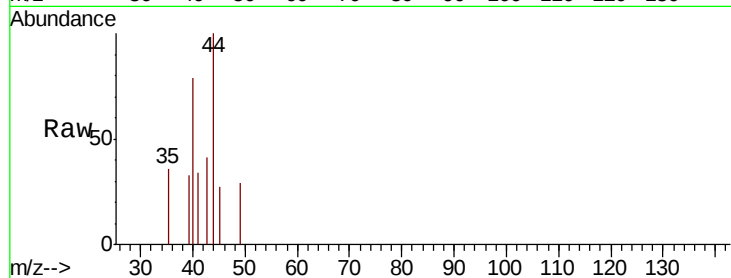
Delta R.T. 0.03 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

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#



#31

Cyclohexane

Concen: 1.111 ug/l

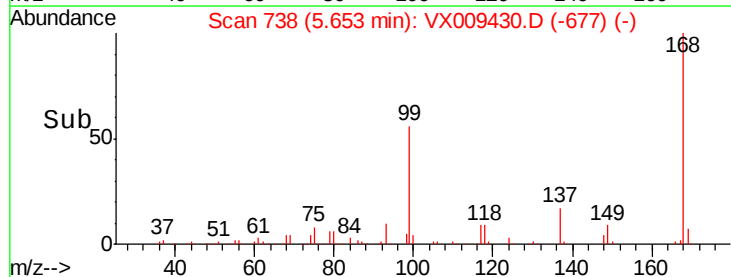
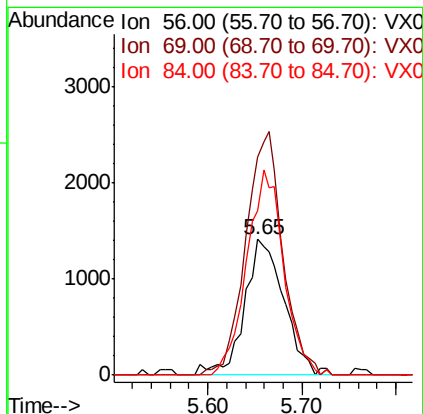
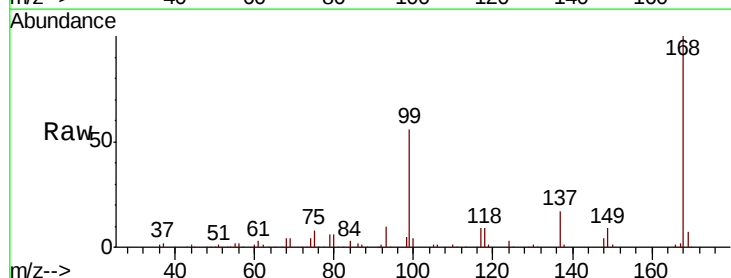
RT: 5.65 min Scan# 738

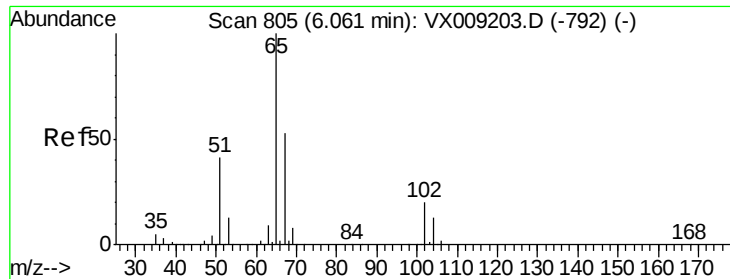
Delta R.T. 0.07 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

Tgt Ion: 56 Resp: 4146
Ion Ratio Lower Upper
56 100
69 160.9 23.4 35.0#
84 121.3 61.9 92.9#

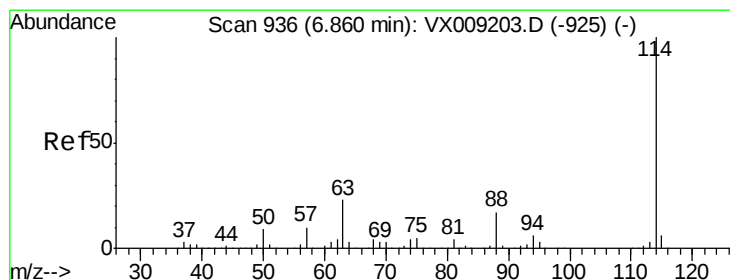
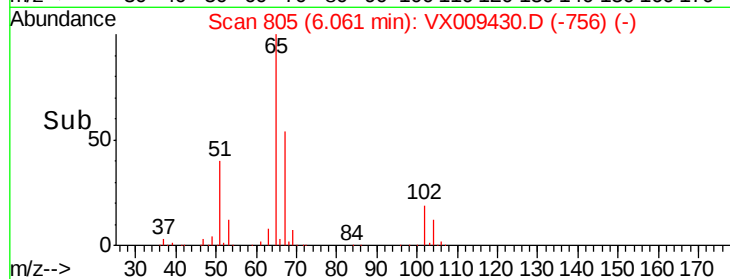
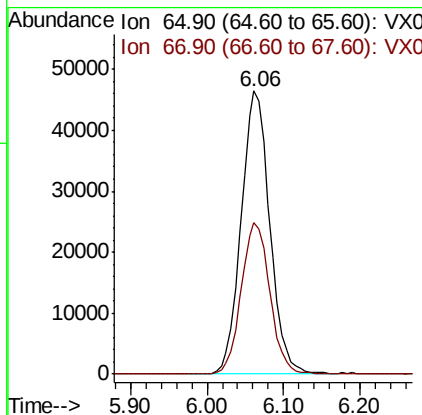
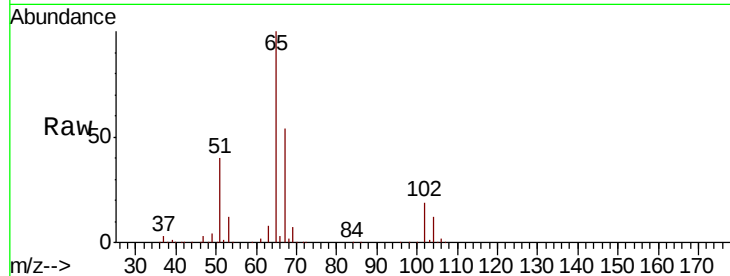




#33
 1,2-Dichloroethane-d4
 Concen: 47.757 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009430.D
 Acq: 09 May 2019 16:11

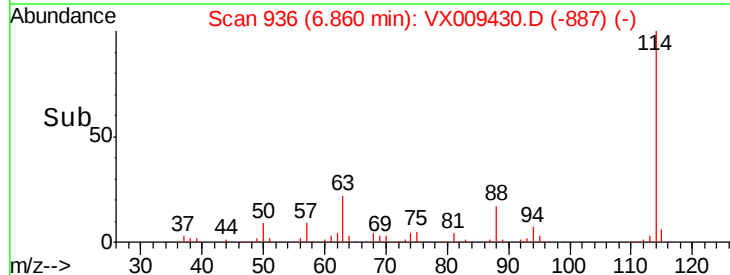
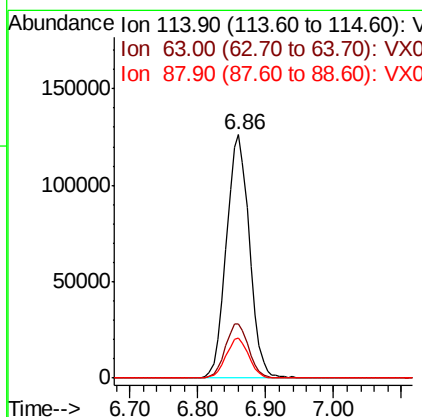
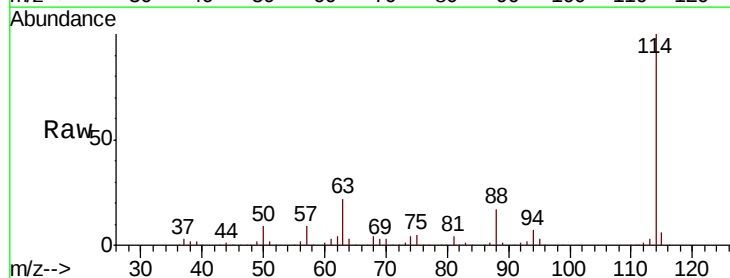
Instrument :
 MSVOA_X
 ClientSampled :

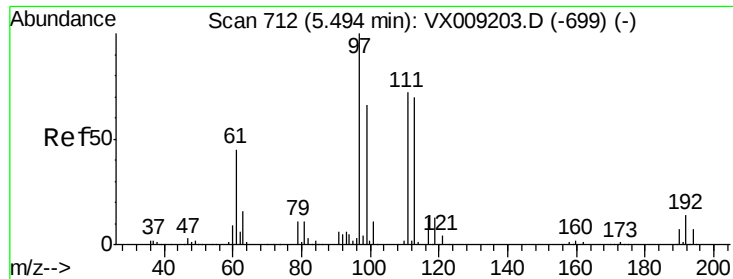
Tot Ion: 65 Resp: 120583
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009430.D
 Acq: 09 May 2019 16:11

Tgt Ion: 114 Resp: 296520
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.6
 88 16.6 0.0 33.2

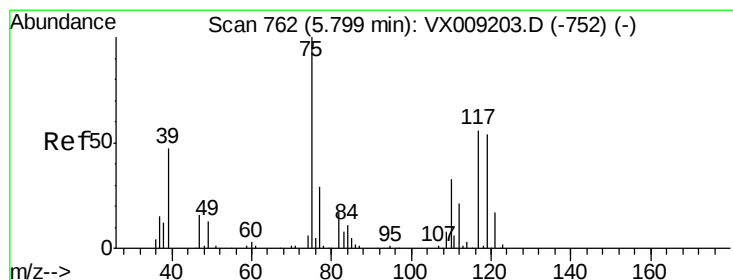
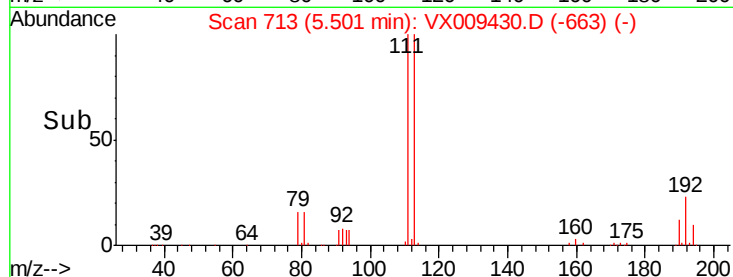
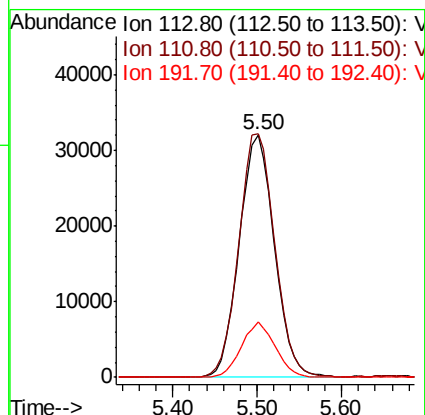
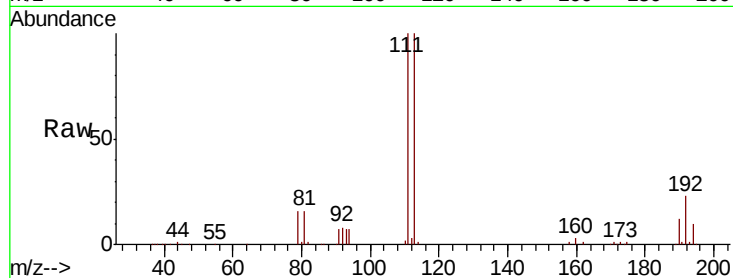




#35
 Dibromofluoromethane
 Concen: 48.525 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009430.D
 Acq: 09 May 2019 16:11

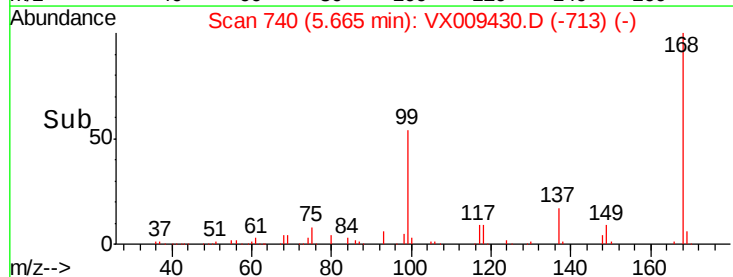
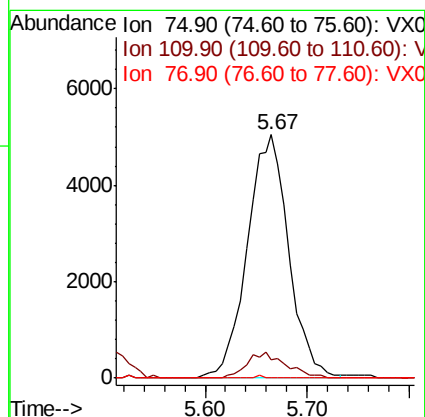
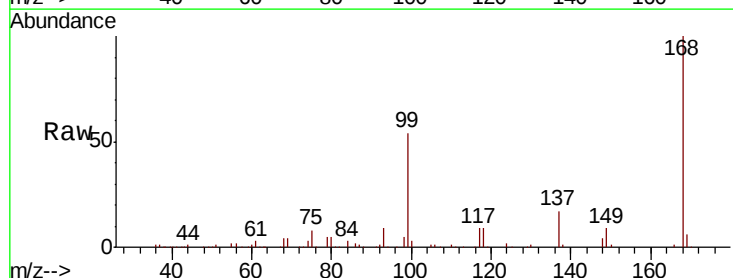
Instrument :
 MSVOA_X
 ClientSampleId :

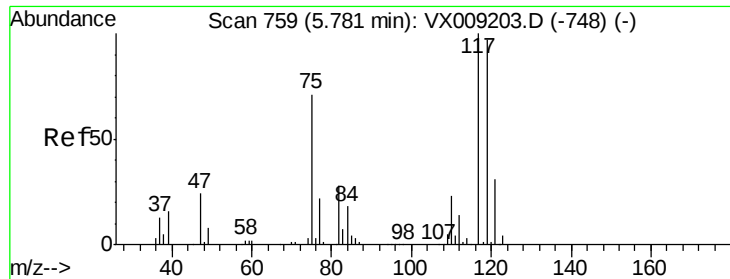
Tot Ion:113 Resp: 90452
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.155 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009430.D
 Acq: 09 May 2019 16:11

Tgt Ion: 75 Resp: 14206
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.9 50.6#
 77 0.2 24.8 37.2#

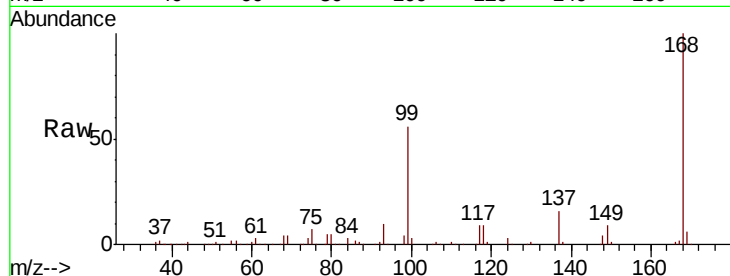




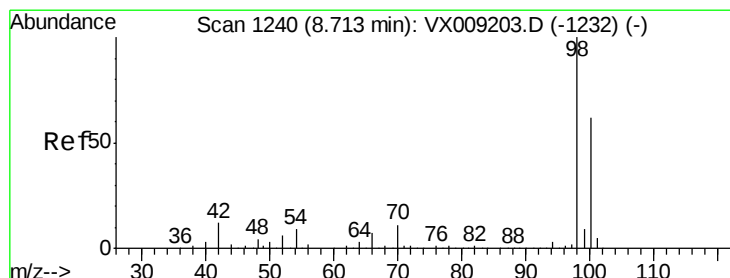
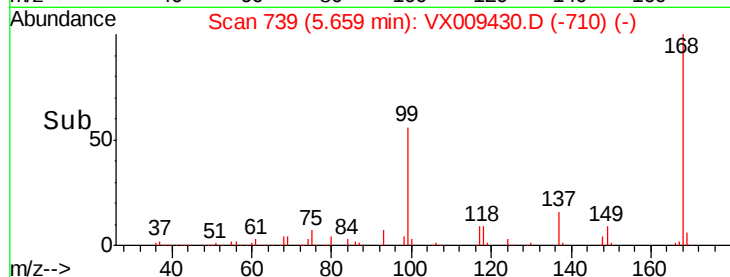
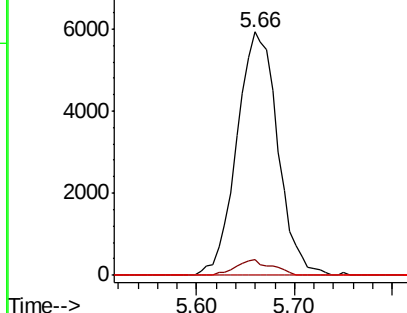
#38
Carbon Tetrachloride
Concen: 6.882 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009430.D
Acq: 09 May 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17231
Ion Ratio Lower Upper
117 100
119 6.4 77.5 116.3#
121 0.0 24.7 37.1#

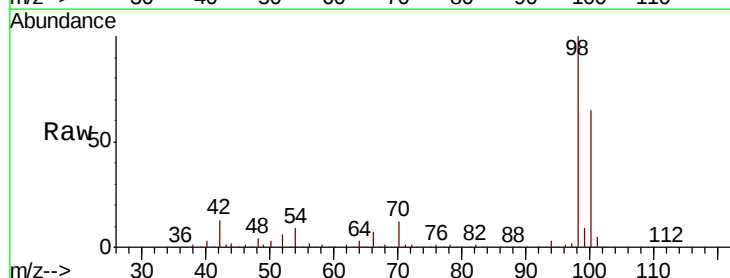


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

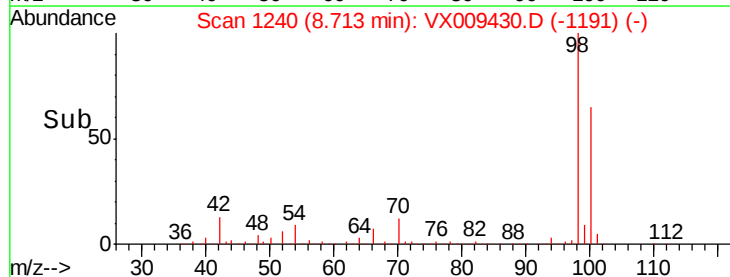
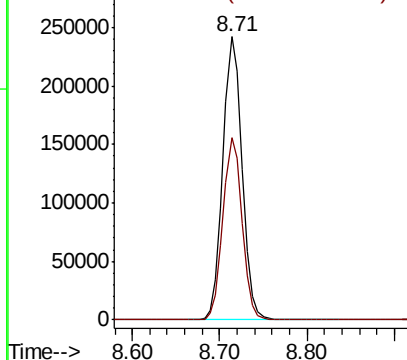


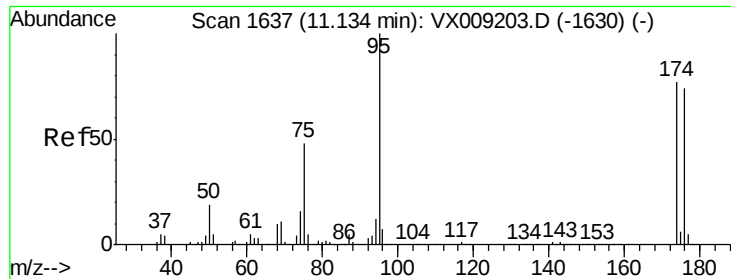
#50
Toluene-d8
Concen: 48.741 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009430.D
Acq: 09 May 2019 16:11

Tgt Ion: 98 Resp: 366807
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 43.995 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

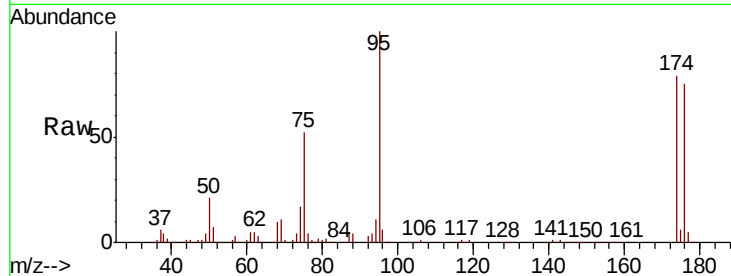
Tot Ion: 95 Resp: 120304

Ion Ratio Lower Upper

95 100

174 83.4 0.0 161.6

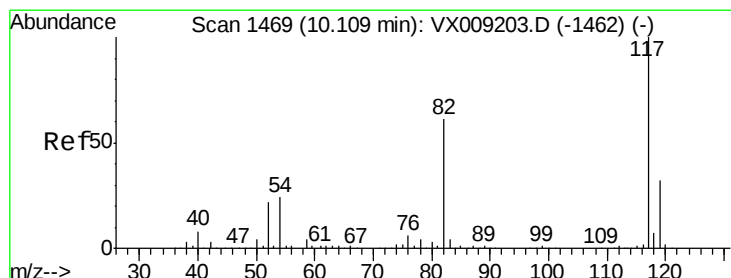
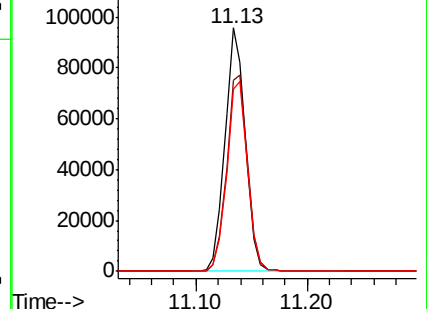
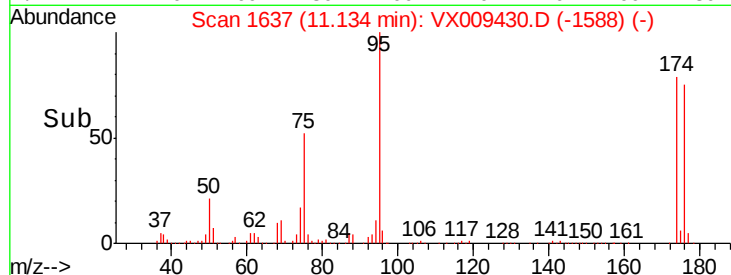
176 79.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009430.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009430.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009430.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

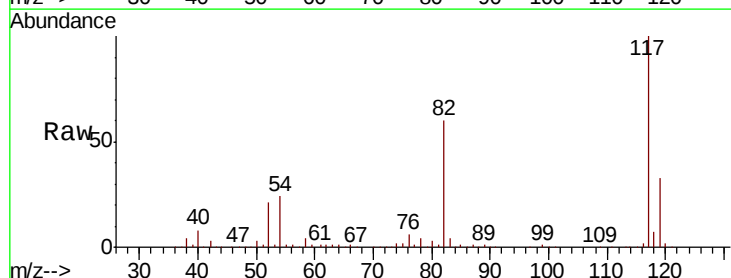
Tgt Ion: 117 Resp: 256704

Ion Ratio Lower Upper

117 100

82 59.8 48.8 73.2

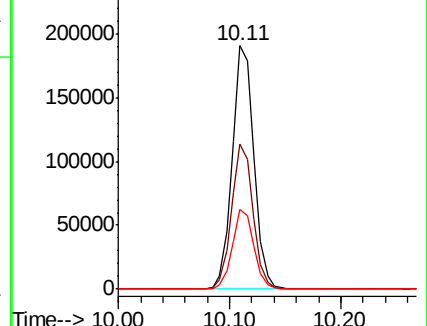
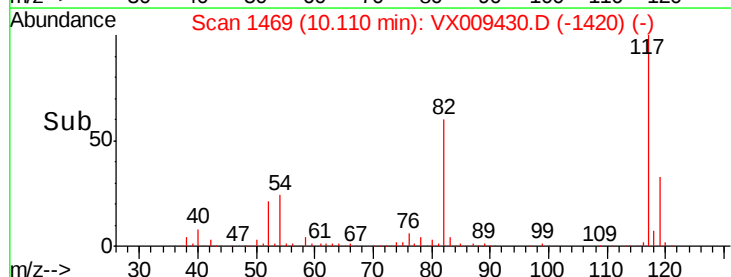
119 32.6 25.8 38.6

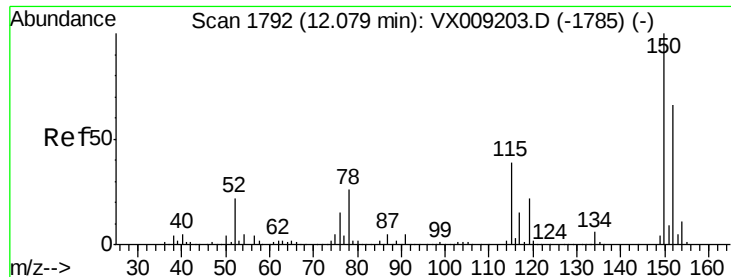


Abundance Ion 116.90 (116.60 to 117.60): VX009430.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009430.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009430.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

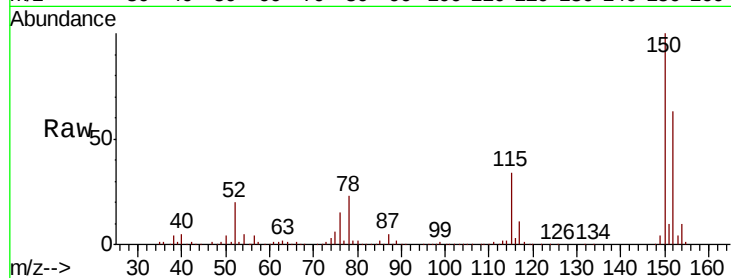
Tot Ion:152 Resp: 108624

Ion Ratio Lower Upper

152 100

115 56.8 41.2 123.6

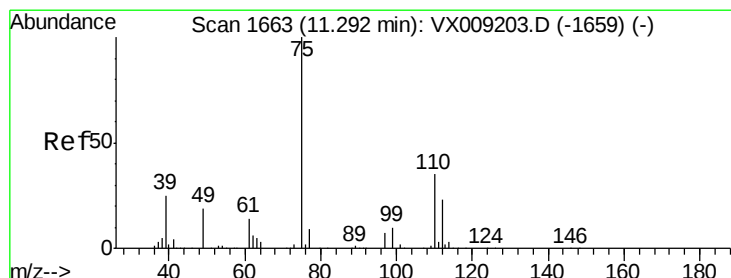
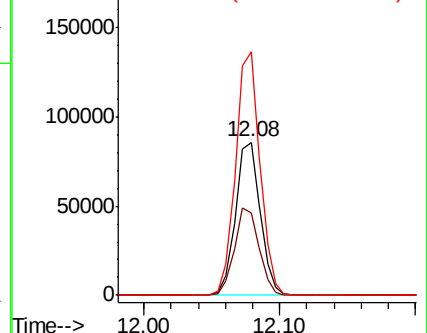
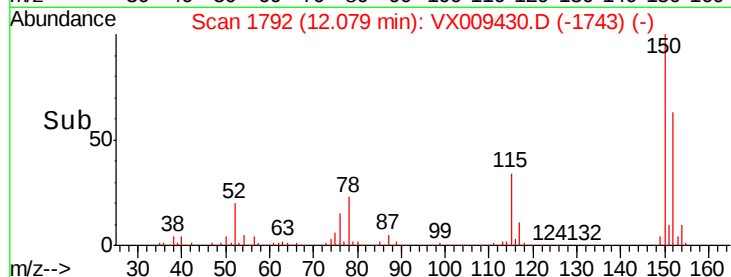
150 157.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.369 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009430.D

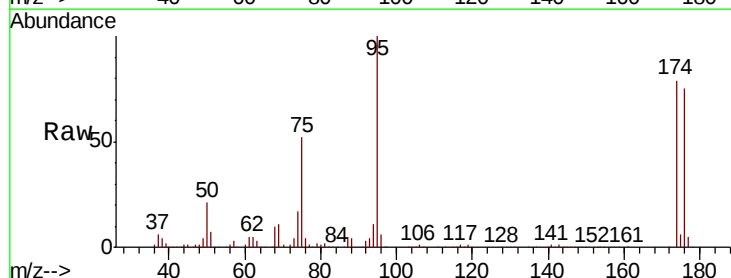
Acq: 09 May 2019 16:11

Tgt Ion: 75 Resp: 61403

Ion Ratio Lower Upper

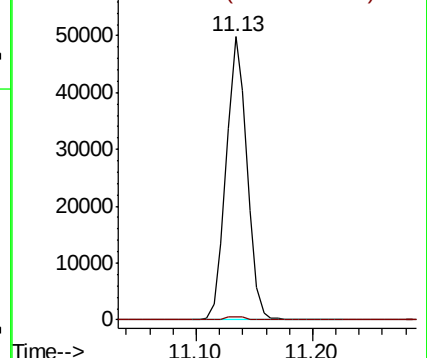
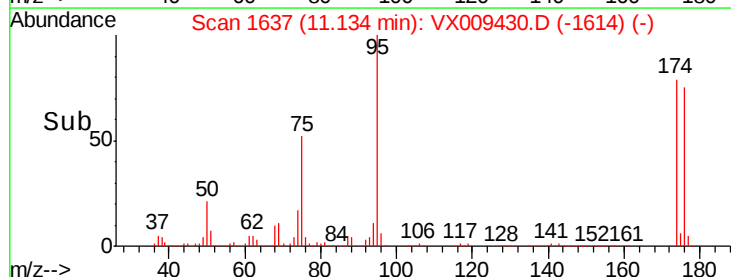
75 100

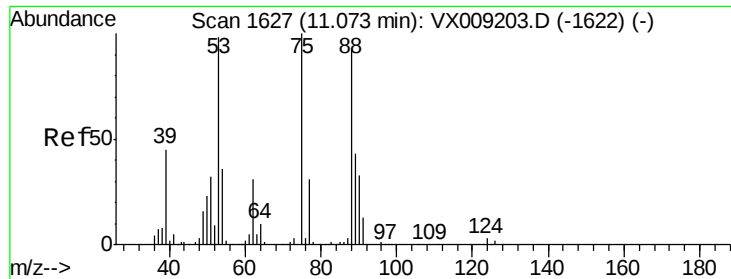
77 1.3 22.1 66.1#



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: 62.352 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009430.D

Acq: 09 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 61403

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

