

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009419.D
 Acq On : 09 May 2019 11:54
 Operator : JC/SP
 Sample : K2748-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:05:26 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	182691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94953	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	117891	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	5.49	113	87150	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
50) Toluene-d8	8.71	98	359822	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.13	95	112030	41.97	ug/l	0.00
Spiked Amount			Recovery	=	83.94%	

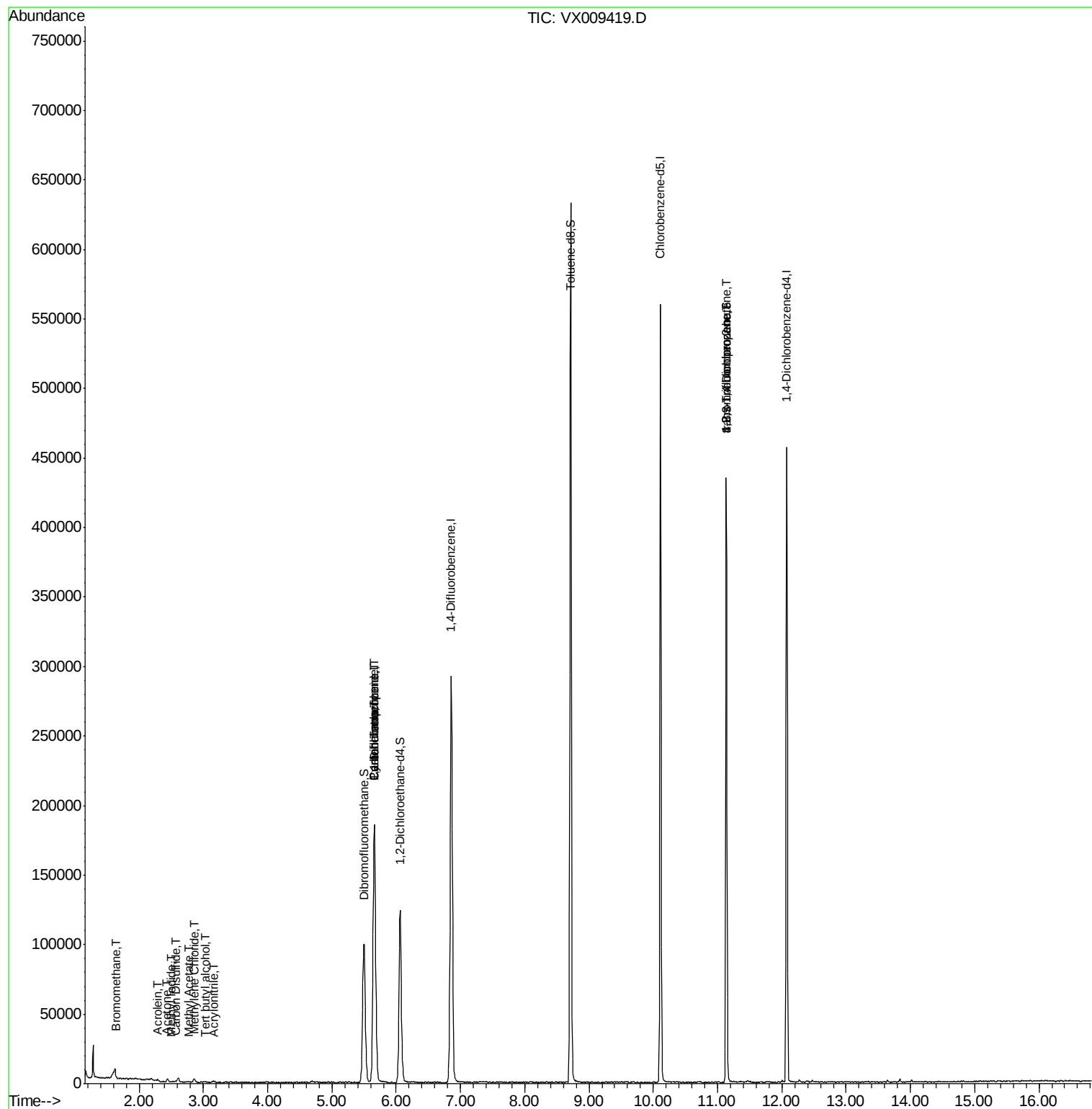
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	457	0.340	ug/l #	75
10) Methyl Iodide	2.51	142	457	4.803	ug/l #	85
11) Tert butyl alcohol	3.03	59	673	1.166	ug/l #	80
13) Acrolein	2.29	56	181	0.346	ug/l #	1
15) Acrylonitrile	3.16	53	484	0.343	ug/l #	28
16) Acetone	2.44	43	2711	2.024	ug/l	91
17) Carbon Disulfide	2.57	76	1057	0.220	ug/l #	79
18) Methyl Acetate	2.78	43	703	0.221	ug/l #	85
20) Methylene Chloride	2.85	84	1086	0.501	ug/l	95
28) Bromochloromethane	5.00	49	44	Below Cal	#	20
31) Cyclohexane	5.65	56	3957	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14213	5.284	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16451	6.732	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	57195	25.967	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57195	66.441	ug/l #	10

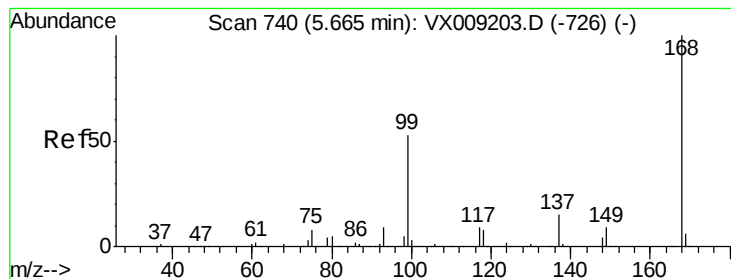
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009419.D

Acq: 09 May 2019 11:54

Instrument :

MSVOA_X

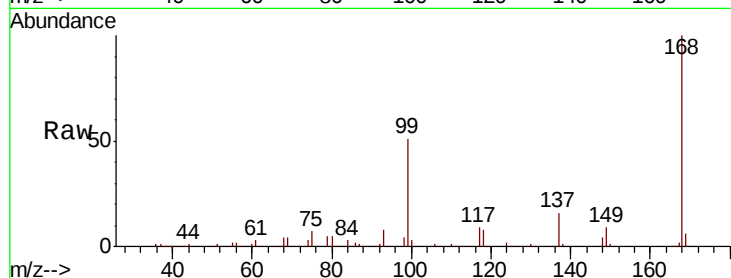
ClientSampleId :

Tot Ion:168 Resp: 182691

Ion Ratio Lower Upper

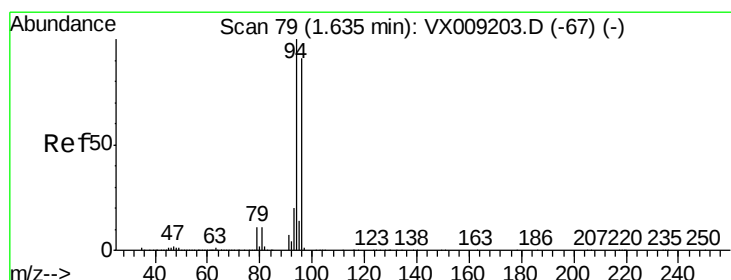
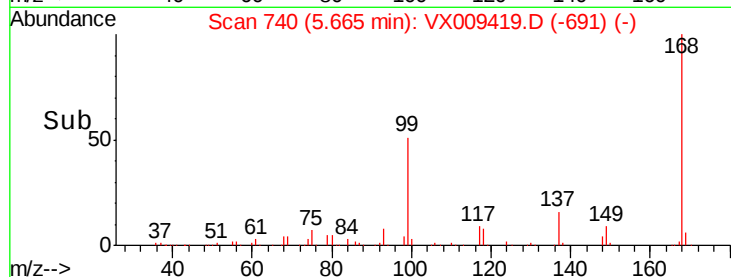
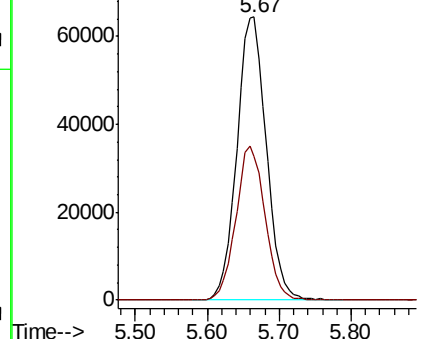
168 100

99 51.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.340 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009419.D

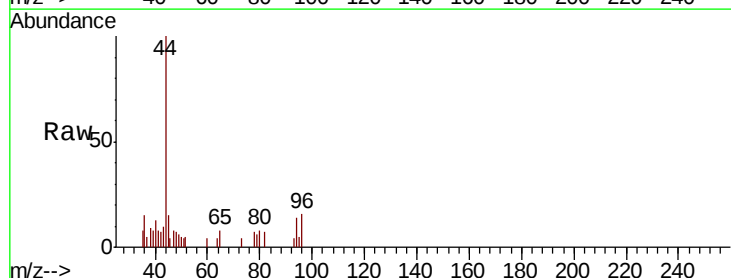
Acq: 09 May 2019 11:54

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

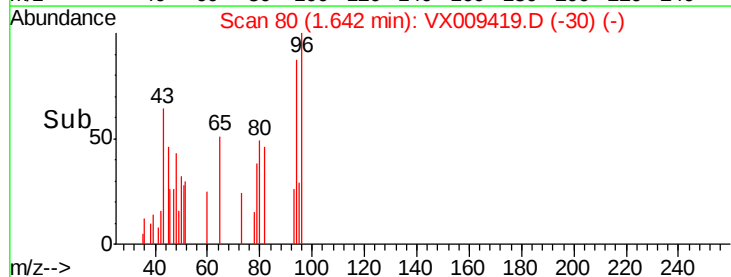
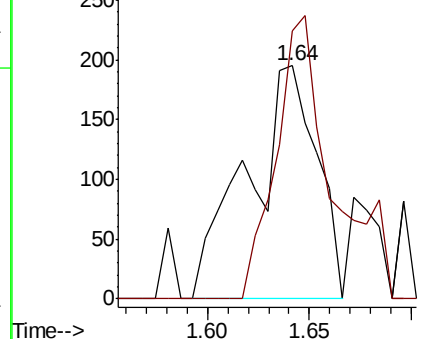
94 100

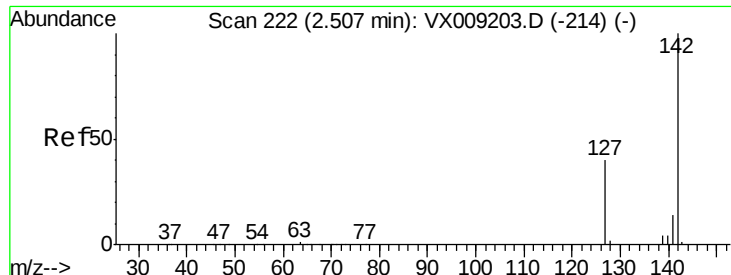
96 114.9 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

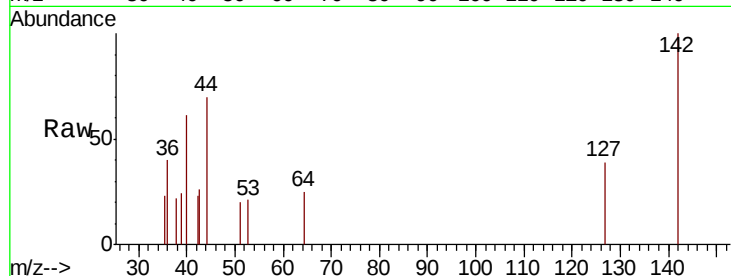




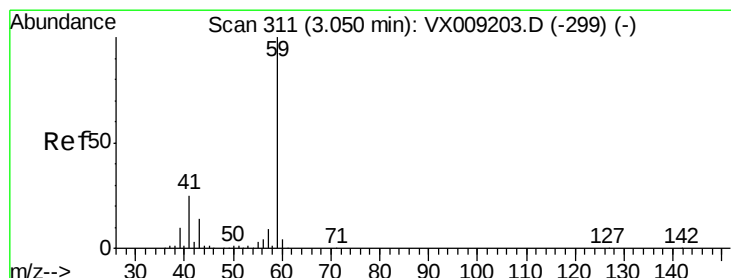
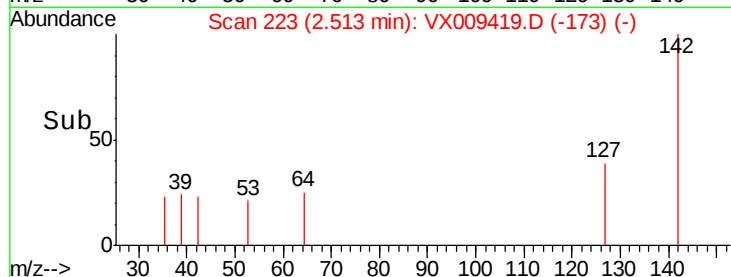
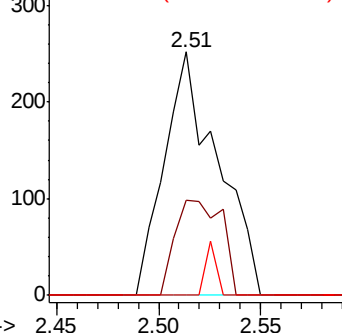
#10
Methvl Iodide
Concen: 4.803 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009419.D
Acq: 09 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
127 33.7 32.7 49.1
141 4.4 11.5 17.3#

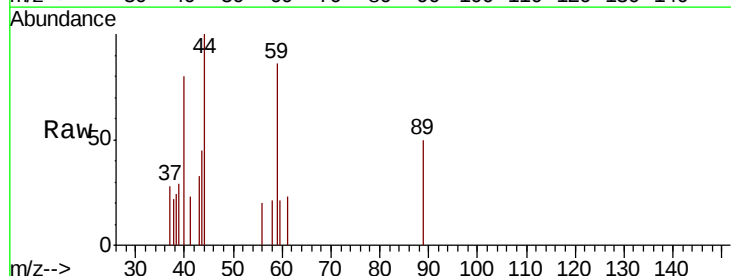


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

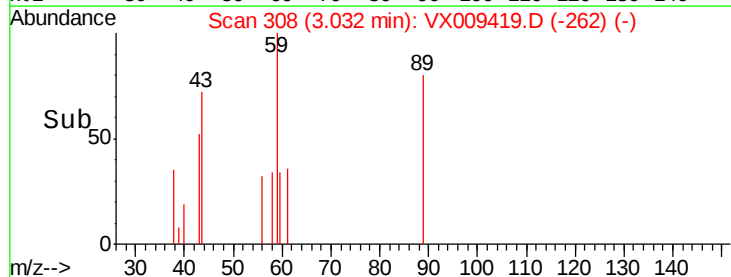
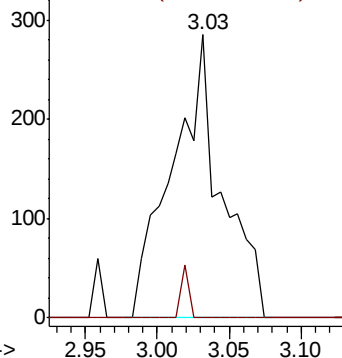


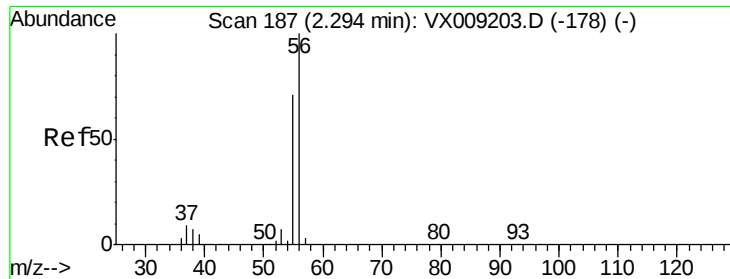
#11
Tert butyl alcohol
Concen: 1.166 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009419.D
Acq: 09 May 2019 11:54

Tgt Ion: 59 Resp: 673
Ion Ratio Lower Upper
59 100
57 2.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.346 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

Instrument :

MSVOA_X

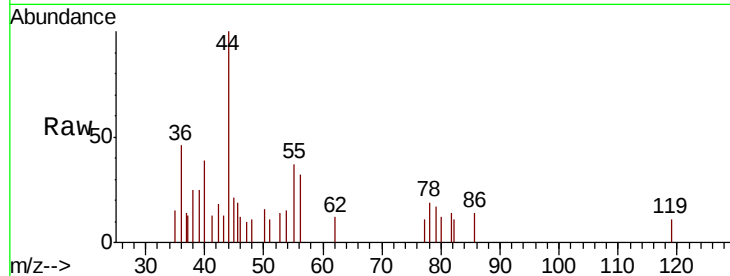
ClientSampled :

Tot Ion: 56 Resp: 181

Ion Ratio Lower Upper

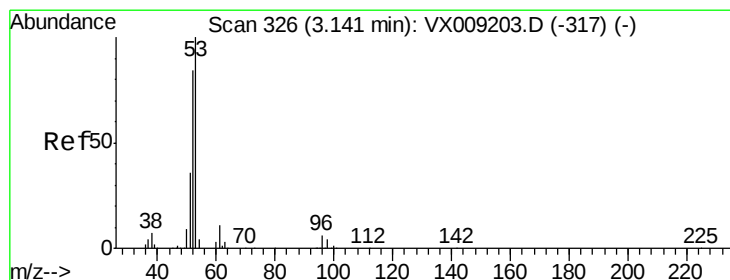
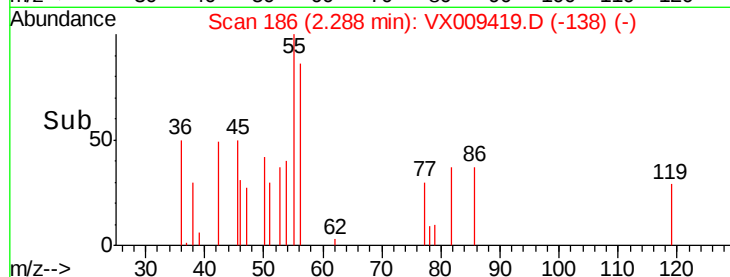
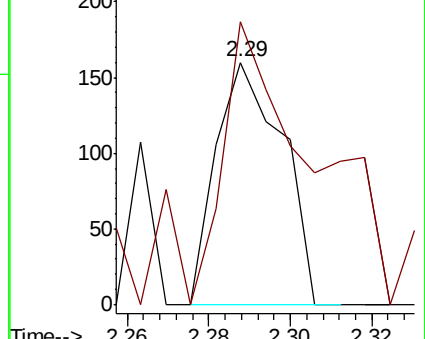
56 100

55 182.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.343 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

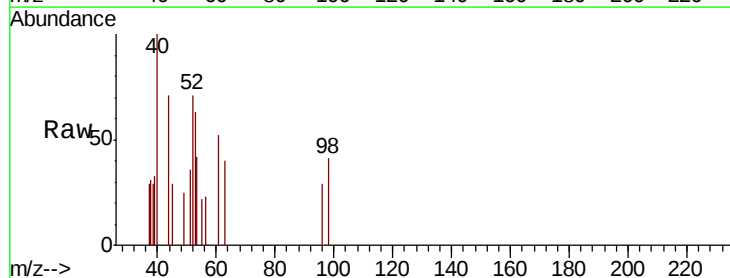
Tgt Ion: 53 Resp: 484

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

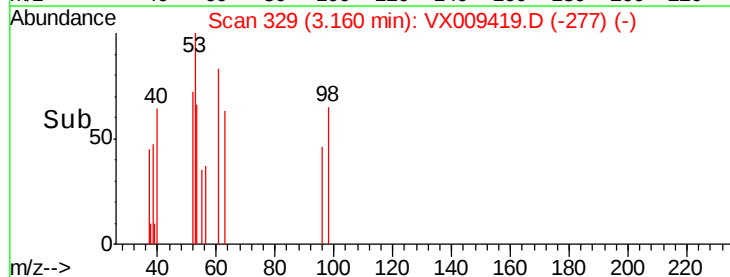
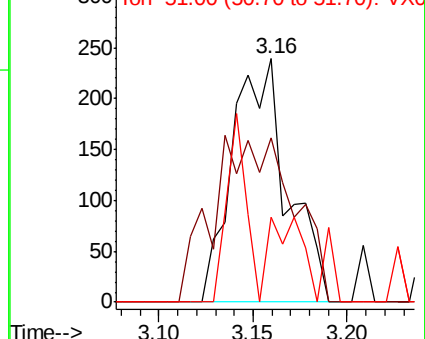
51 20.9 28.2 42.2#

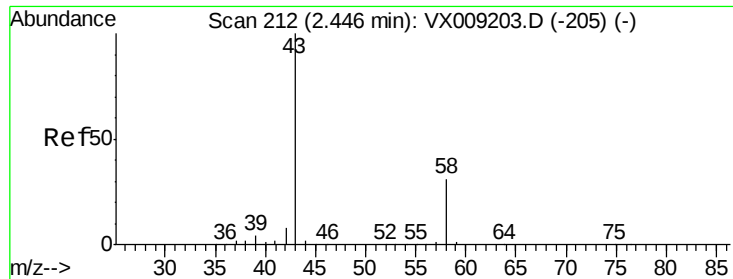


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 2.024 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

Instrument :

MSVOA_X

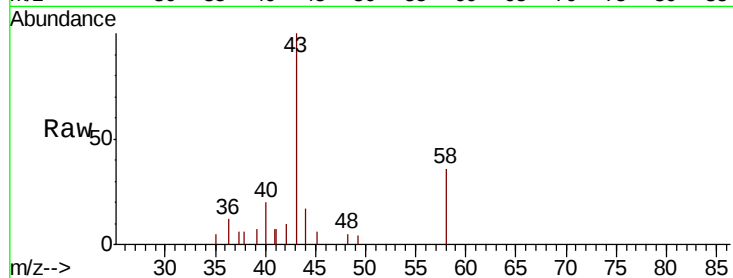
ClientSampled :

Tot Ion: 43 Resp: 2711

Ion Ratio Lower Upper

43 100

58 36.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

2.44

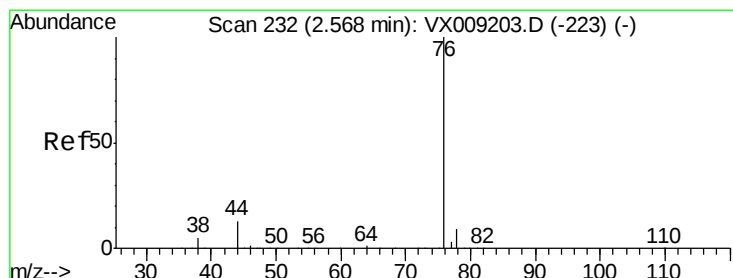
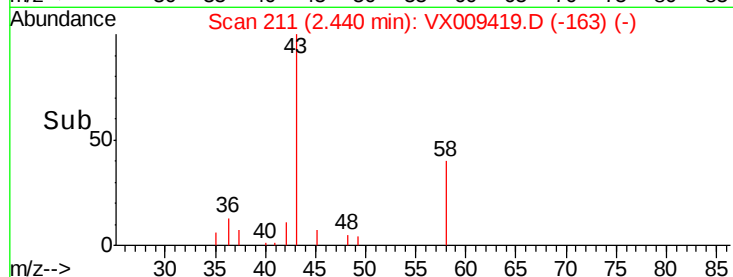
1000

500

0

Time-->

2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009419.D

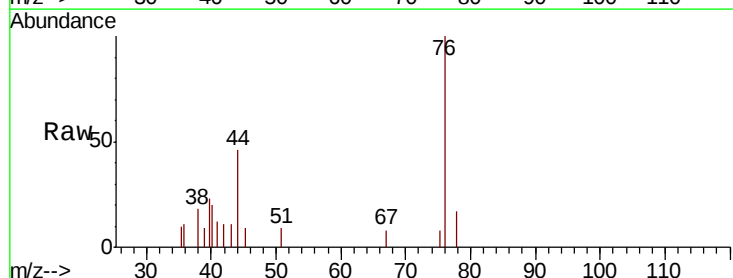
Acq: 09 May 2019 11:54

Tgt Ion: 76 Resp: 1057

Ion Ratio Lower Upper

76 100

78 16.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

800

2.57

600

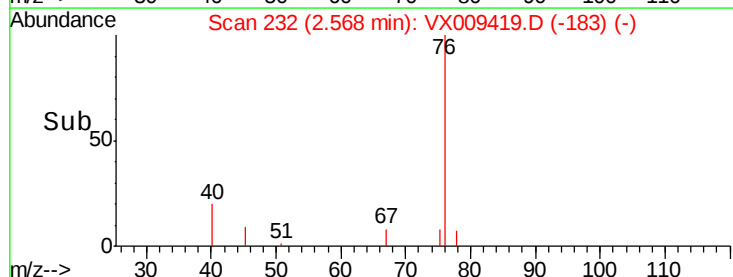
400

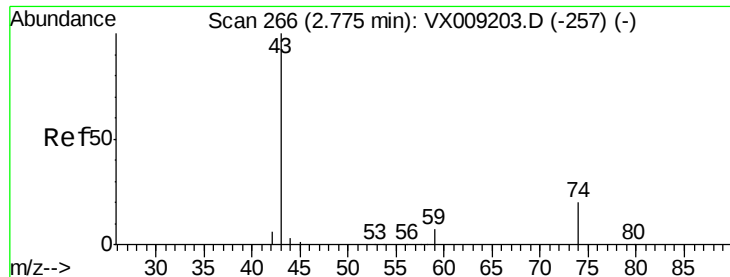
200

0

Time-->

2.50 2.55 2.60

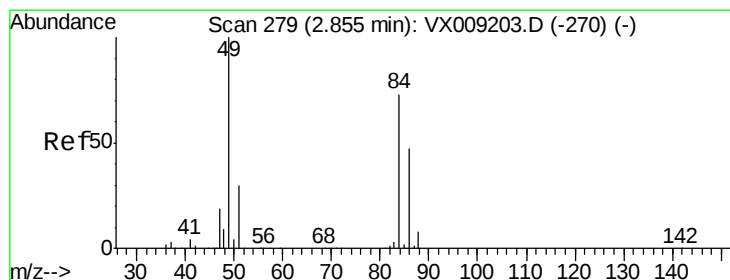
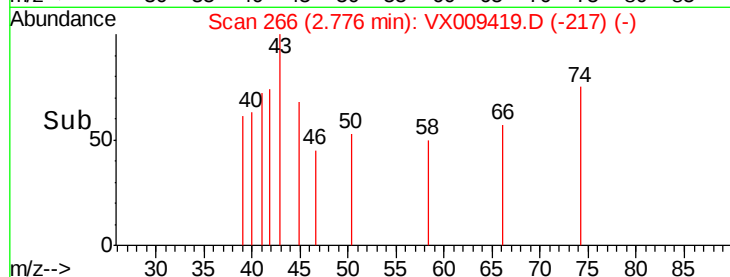
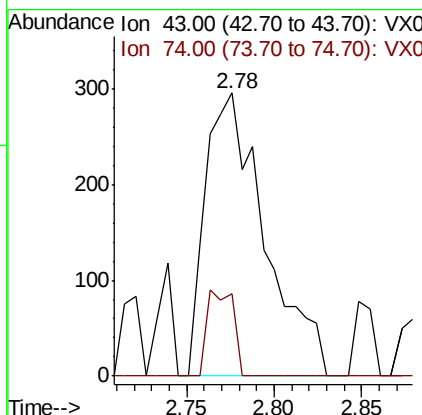
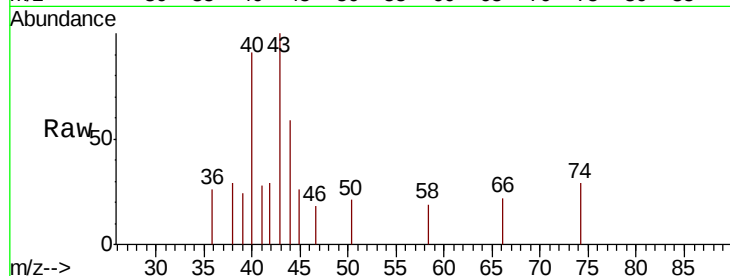




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009419.D
Acq: 09 May 2019 11:54

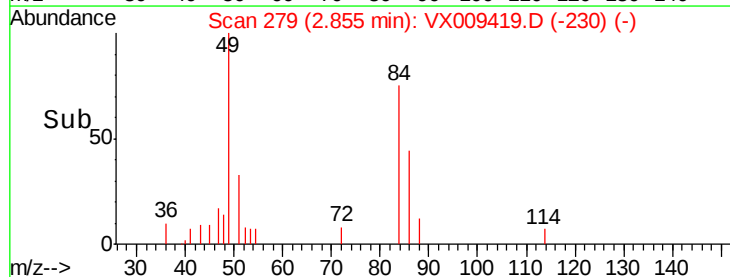
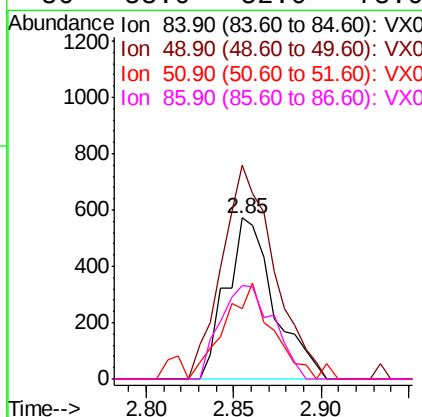
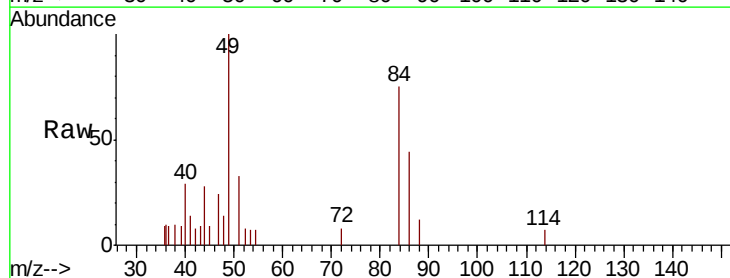
Instrument :
MSVOA_X
ClientSampled :

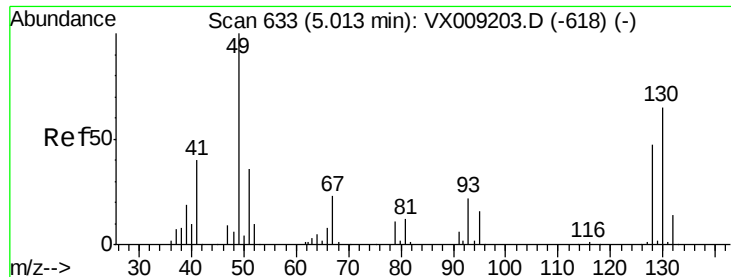
Tot Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
74 13.4 16.2 24.4#



#20
Methylene Chloride
Concen: 0.501 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009419.D
Acq: 09 May 2019 11:54

Tgt Ion: 84 Resp: 1086
Ion Ratio Lower Upper
84 100
49 132.7 109.9 164.9
51 43.7 32.7 49.1
86 58.0 52.0 78.0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

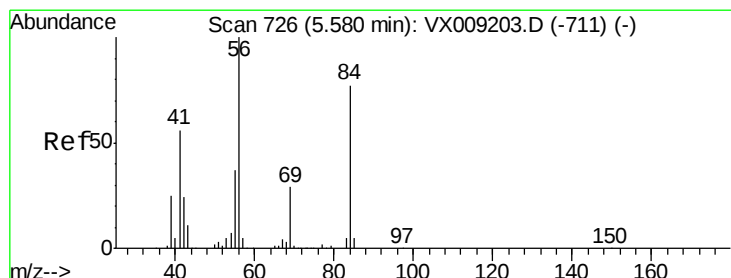
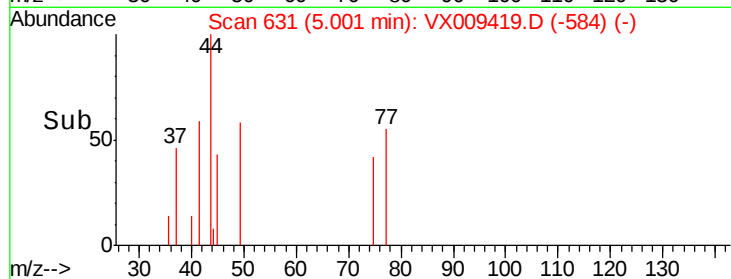
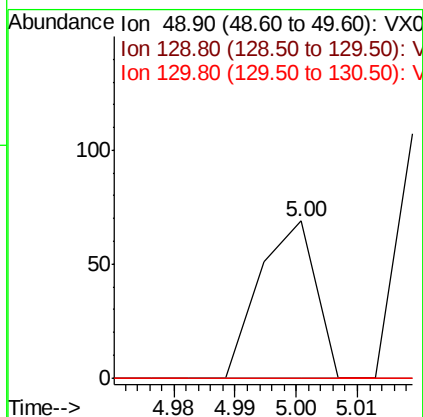
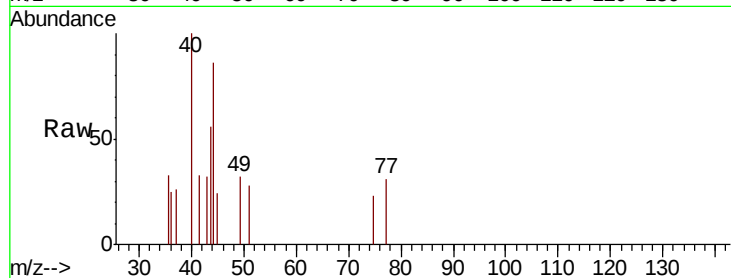
Delta R.T. -0.01 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 44
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



#31

Cyclohexane

Concen: 1.073 ug/l

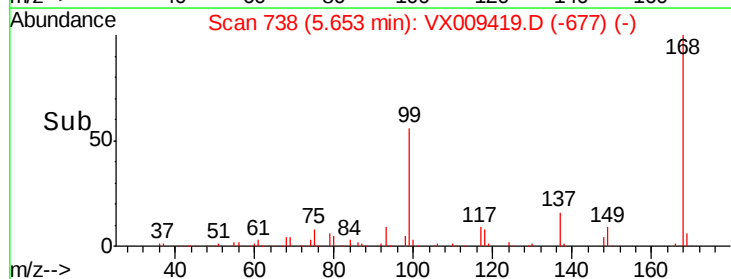
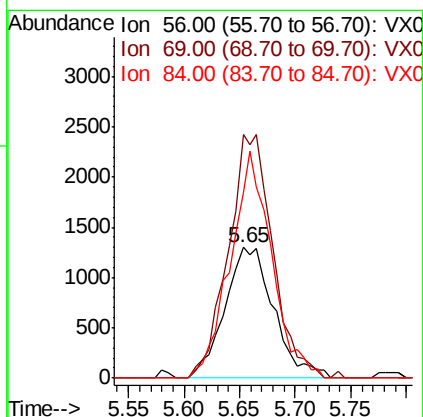
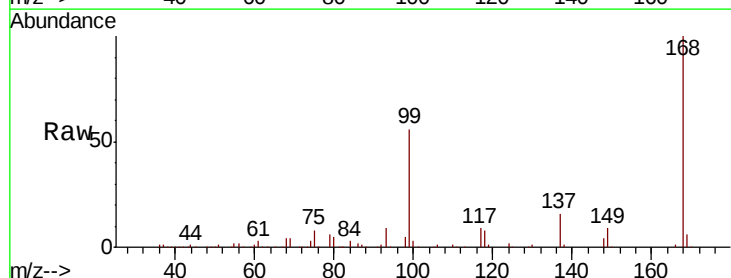
RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

Tgt Ion: 56 Resp: 3957
Ion Ratio Lower Upper
56 100
69 186.5 23.4 35.0#
84 142.8 61.9 92.9#

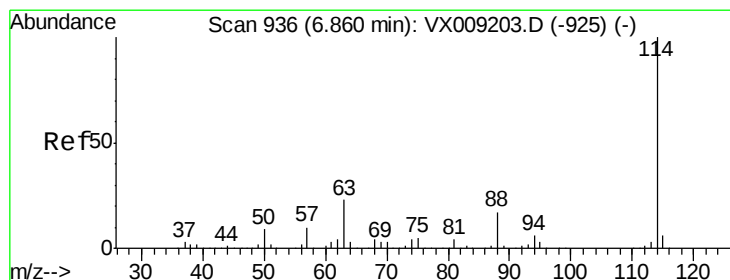
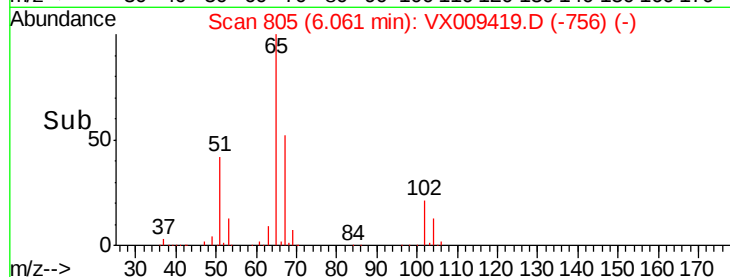
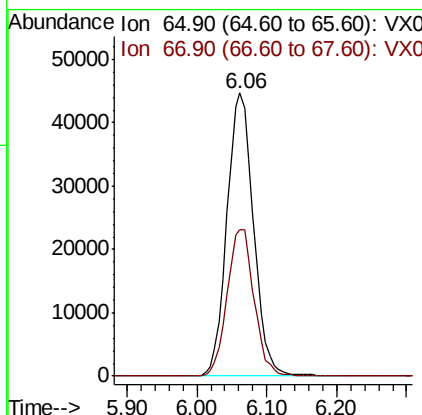
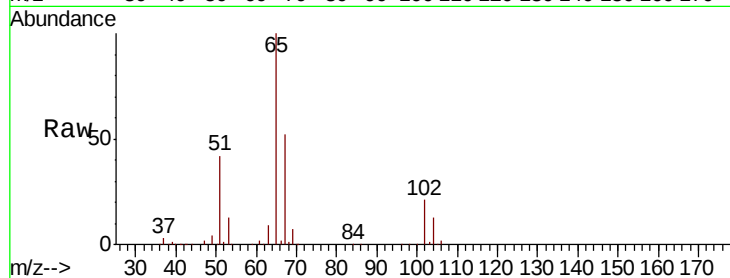




#33
 1,2-Dichloroethane-d4
 Concen: 47.271 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009419.D
 Acq: 09 May 2019 11:54

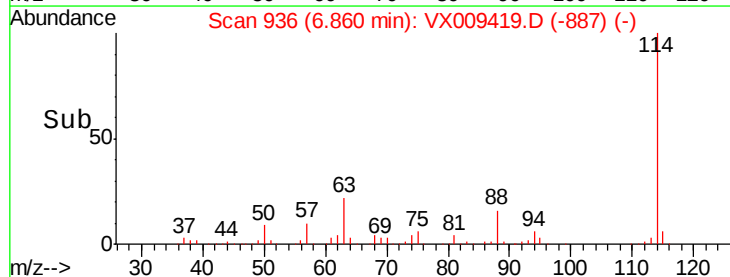
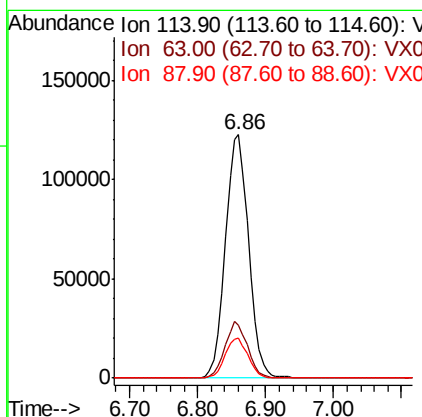
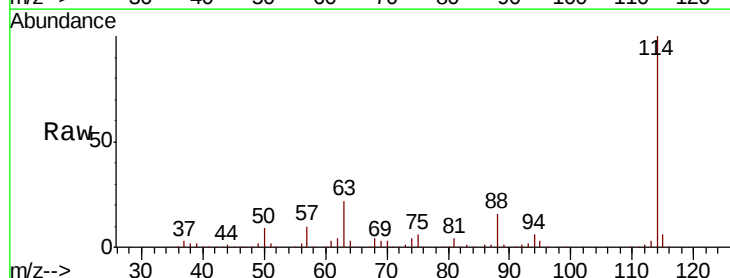
Instrument :
 MSVOA_X
 ClientSampleId :

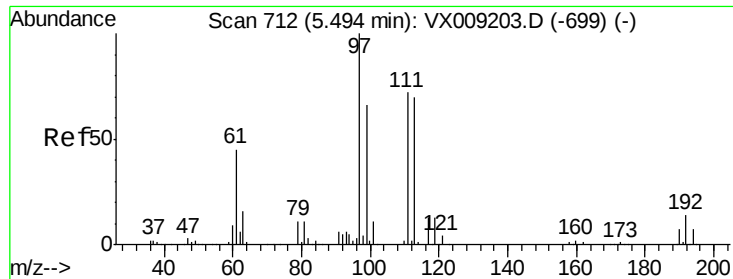
Tot Ion: 65 Resp: 117891
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009419.D
 Acq: 09 May 2019 11:54

Tgt Ion: 114 Resp: 289418
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.6
 88 16.3 0.0 33.2

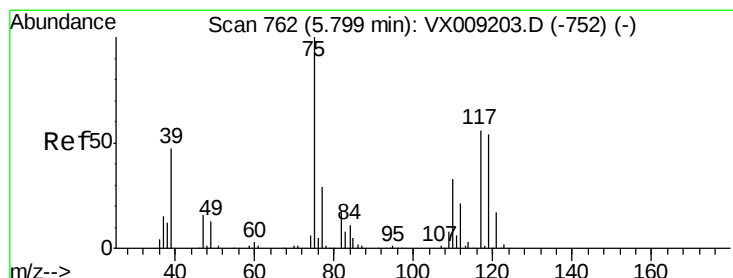
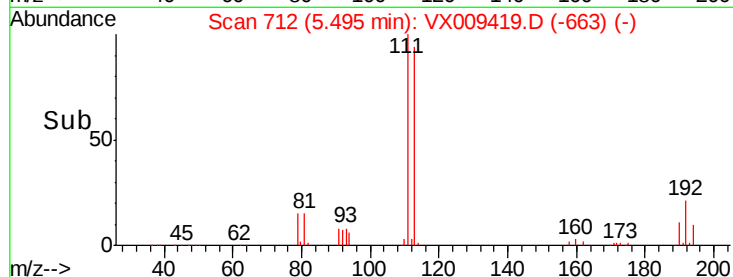
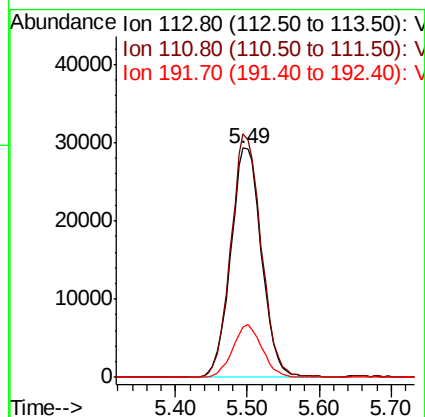
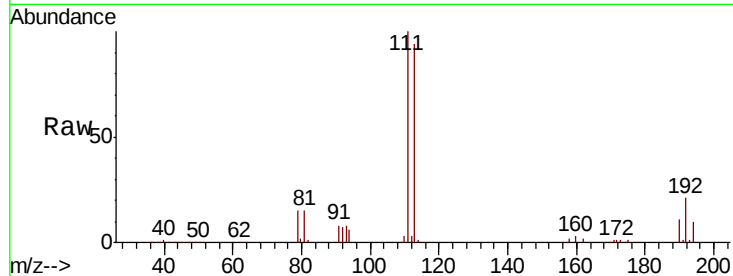




#35
 Dibromofluoromethane
 Concen: 47.900 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009419.D
 Acq: 09 May 2019 11:54

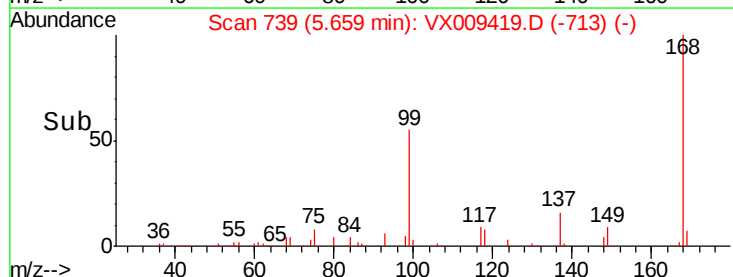
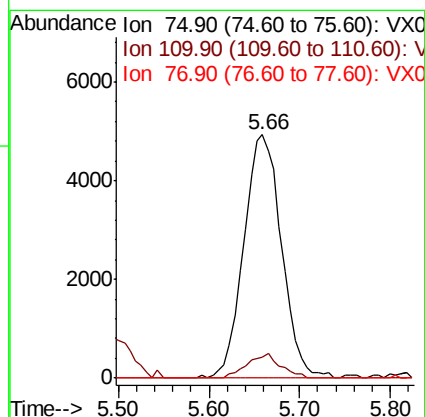
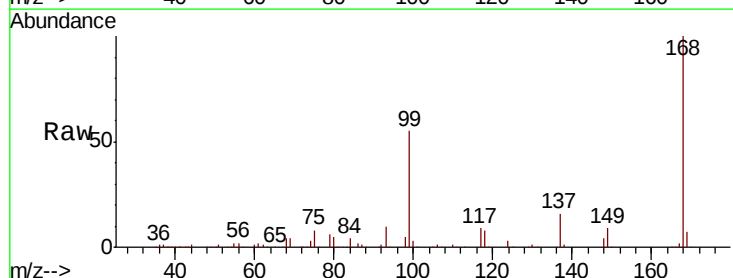
Instrument :
 MSVOA_X
 ClientSampleId :

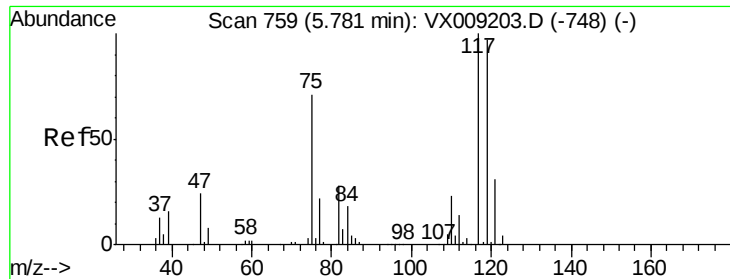
Tot Ion:113 Resp: 87150
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.284 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009419.D
 Acq: 09 May 2019 11:54

Tgt Ion: 75 Resp: 14213
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.8 37.2#

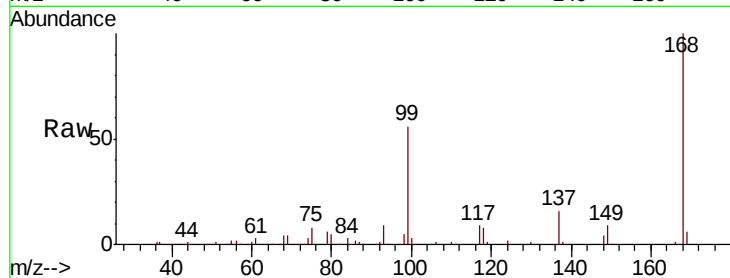




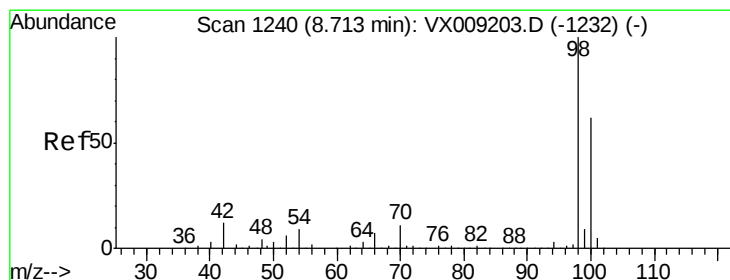
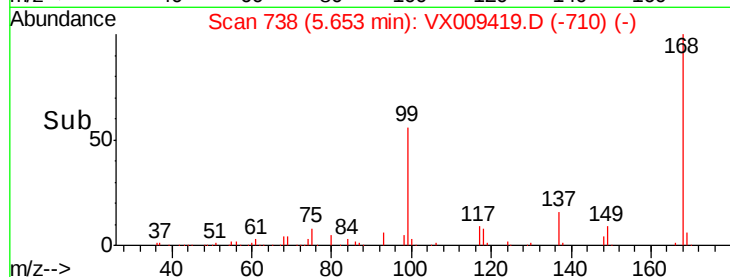
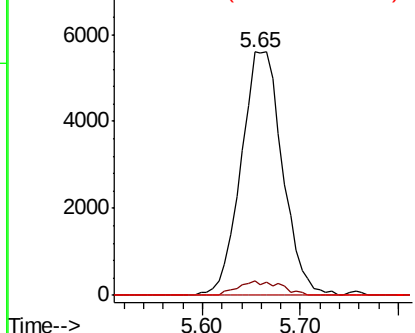
#38
Carbon Tetrachloride
Concen: 6.732 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX009419.D
Acq: 09 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 16451
Ion Ratio Lower Upper
117 100
119 5.8 77.5 116.3#
121 0.0 24.7 37.1#

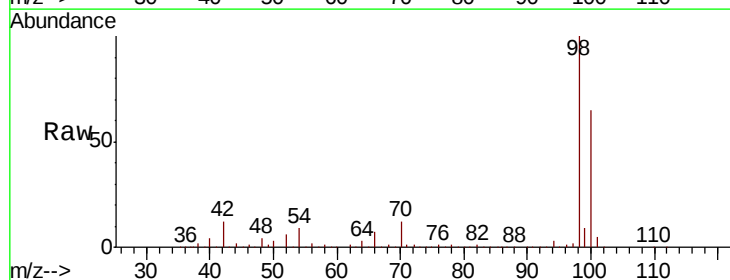


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

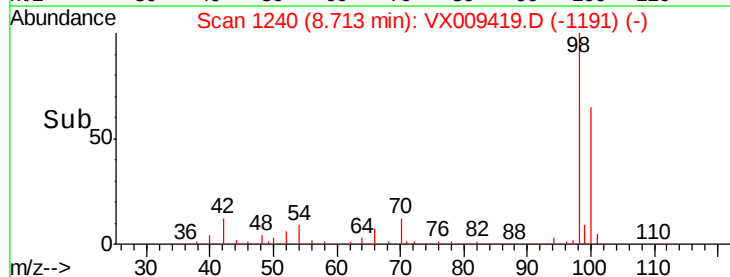
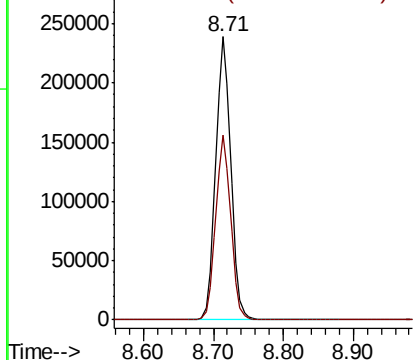


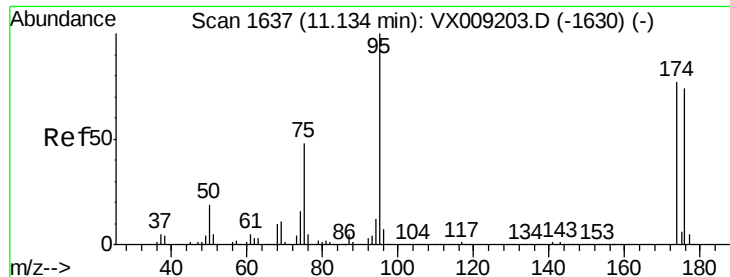
#50
Toluene-d8
Concen: 48.986 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009419.D
Acq: 09 May 2019 11:54

Tgt Ion: 98 Resp: 359822
Ion Ratio Lower Upper
98 100
100 65.1 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: 41.974 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

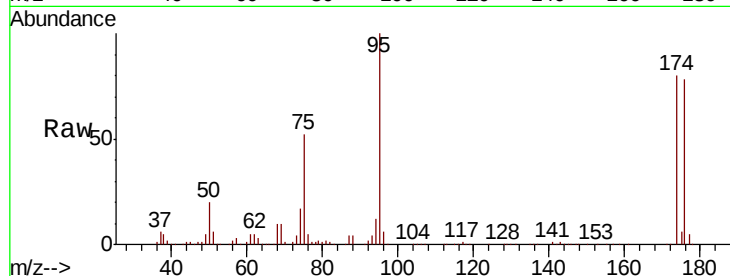
Tot Ion: 95 Resp: 112030

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 81.4 0.0 159.2

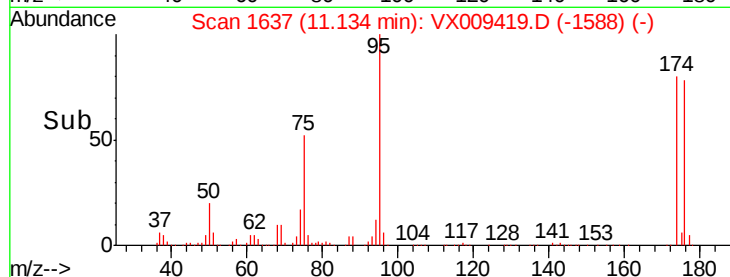


Abundance Ion 94.90 (94.60 to 95.60): VX009419.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009419.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009419.D (-1588) (-)

Time-->



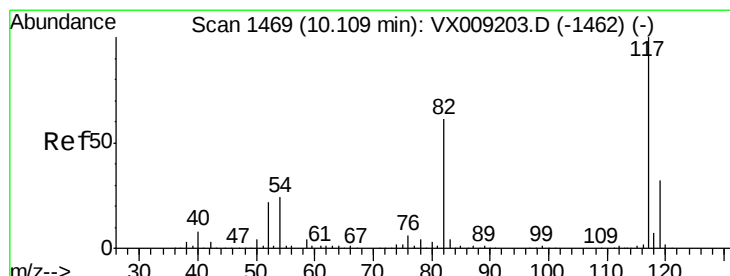
Abundance

Ion 94.90 (94.60 to 95.60): VX009419.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009419.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009419.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

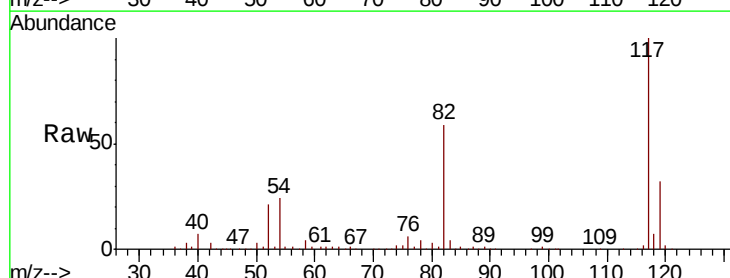
Tgt Ion: 117 Resp: 244885

Ion Ratio Lower Upper

117 100

82 59.3 48.8 73.2

119 31.6 25.8 38.6

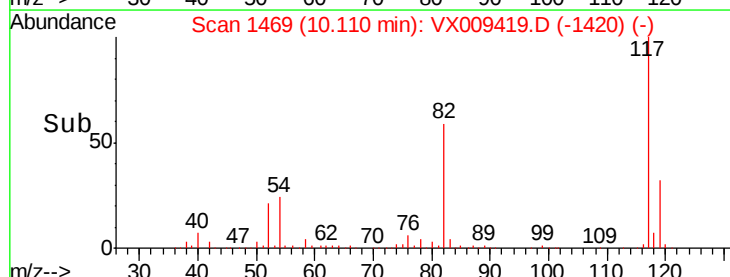


Abundance Ion 116.90 (116.60 to 117.60): VX009419.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009419.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009419.D (-1420) (-)

Time-->



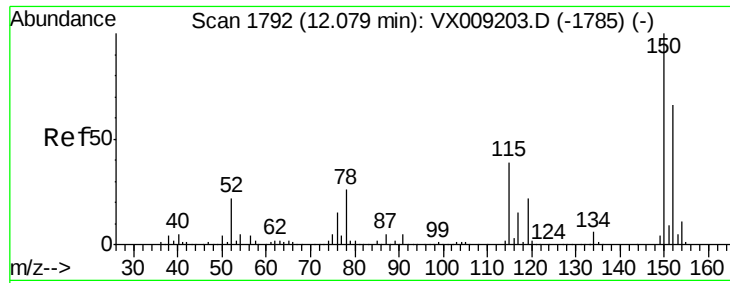
Abundance

Ion 116.90 (116.60 to 117.60): VX009419.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009419.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009419.D (-1420) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

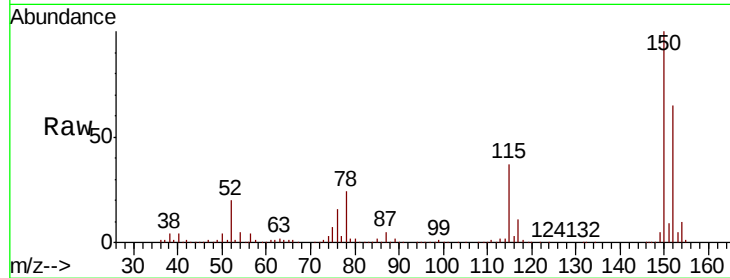
Tot Ion:152 Resp: 94953

Ion Ratio Lower Upper

152 100

115 58.6 41.2 123.6

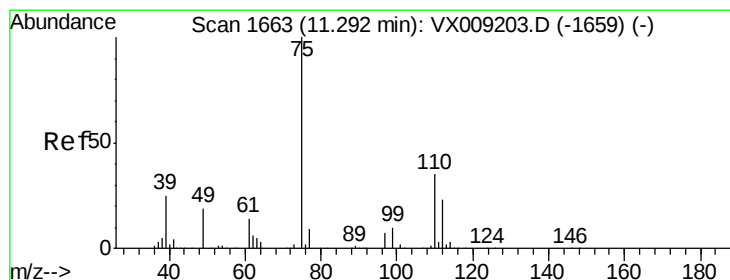
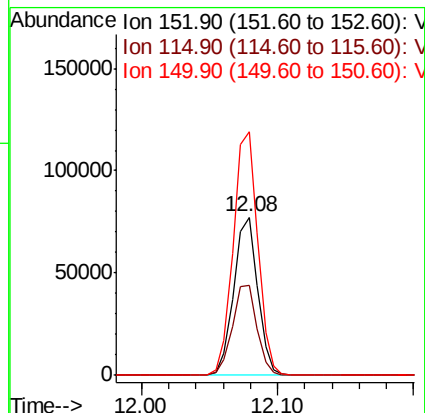
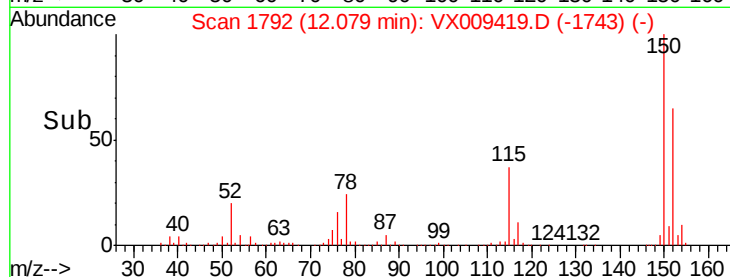
150 157.7 0.0 346.4



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: 25.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009419.D

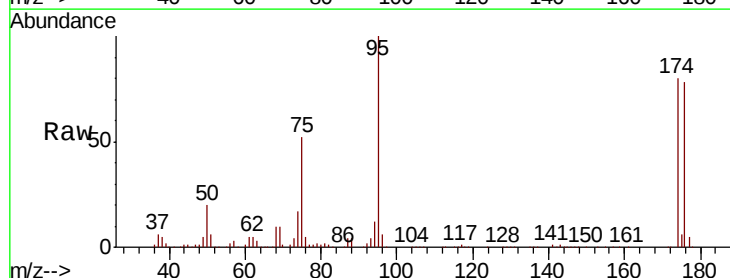
Acq: 09 May 2019 11:54

Tgt Ion: 75 Resp: 57195

Ion Ratio Lower Upper

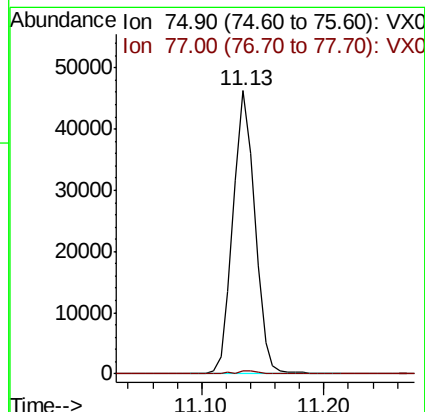
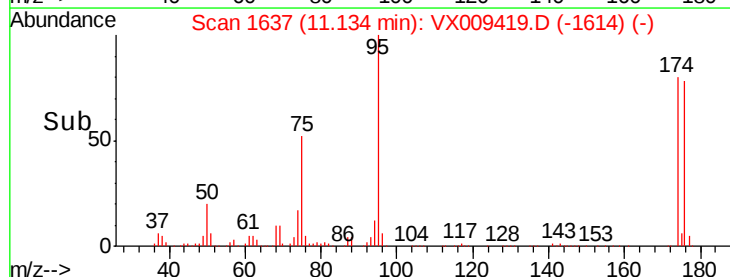
75 100

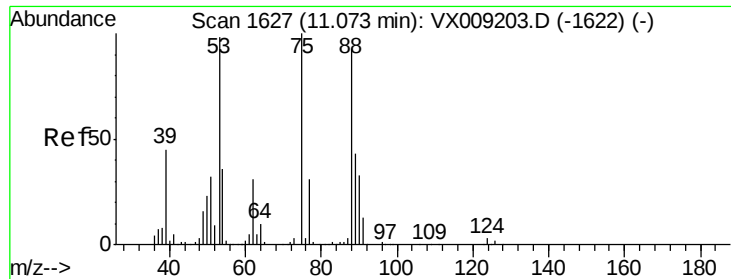
77 1.1 22.1 66.1#



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: 66.441 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009419.D

Acq: 09 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

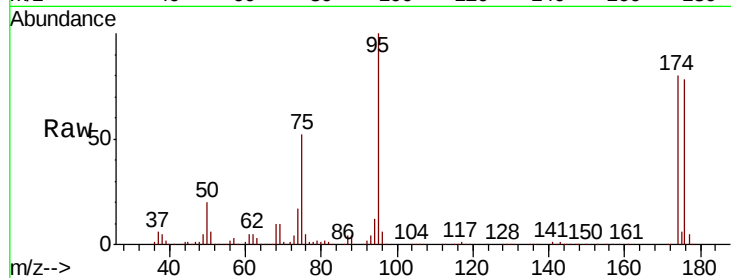
Tot Ion: 75 Resp: 57195

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

