

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008563.D
 Acq On : 01 Apr 2019 13:04
 Operator : JC/SP
 Sample : K2189-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 01:10:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	365302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133006	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	153911	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	5.49	113	112728	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	455078	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.13	95	155351	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

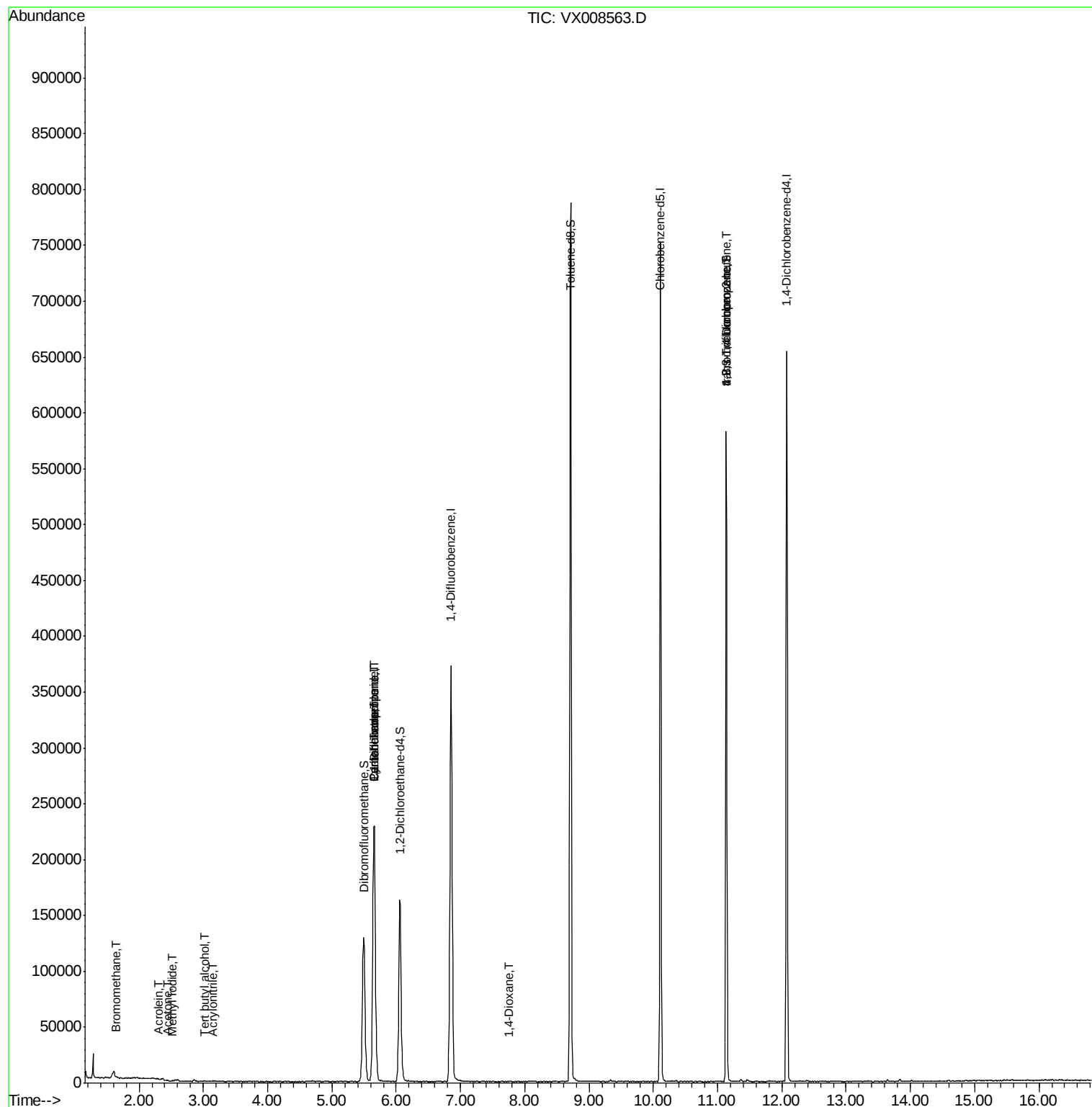
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	409	Below Cal	#	52
5) Bromomethane	1.64	94	544	2.085	ug/l #	57
10) Methyl Iodide	2.51	142	536	4.334	ug/l #	69
11) Tert butyl alcohol	3.02	59	428	0.582	ug/l #	72
13) Acrolein	2.29	56	113	0.211	ug/l #	1
15) Acrylonitrile	3.15	53	700	0.363	ug/l #	78
16) Acetone	2.44	43	1591	0.917	ug/l	97
17) Carbon Disulfide	2.57	76	1429	Below Cal	#	82
20) Methylene Chloride	2.85	84	849	Below Cal	#	59
21) trans-1,2-Dichloroethene	3.16	96	171	Below Cal	#	81
31) Cyclohexane	5.65	56	5303	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18436	4.733	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21697	6.675	ug/l #	15
49) 1,4-Dioxane	7.75	88	20	0.249	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79371	20.073	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	79371	64.290	ug/l #	9

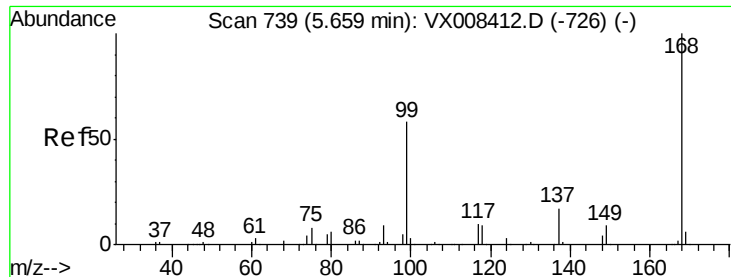
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

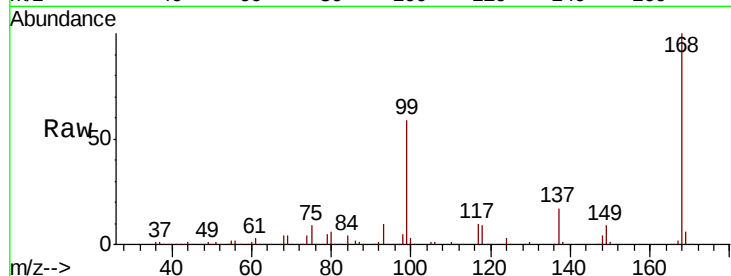
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 219052

Ion Ratio Lower Upper

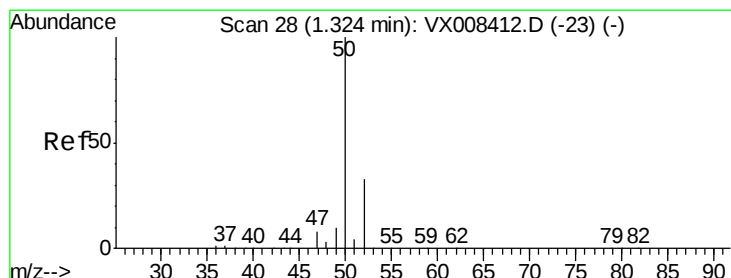
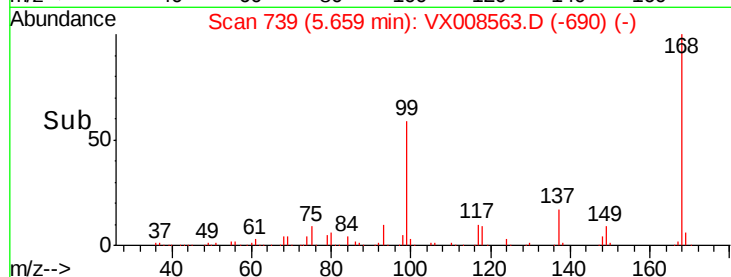
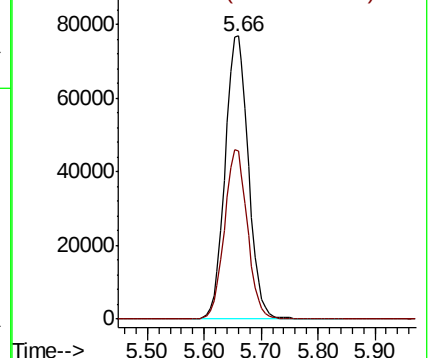
168 100

99 59.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008563.D

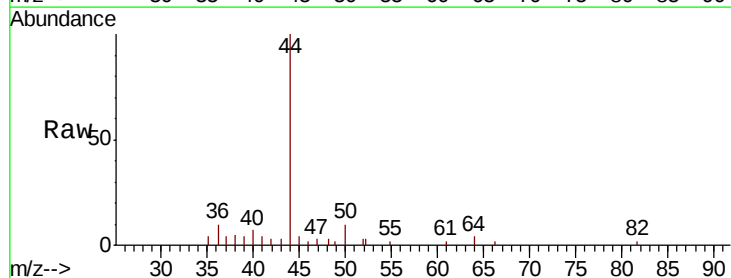
Acq: 01 Apr 2019 13:04

Tgt Ion: 50 Resp: 409

Ion Ratio Lower Upper

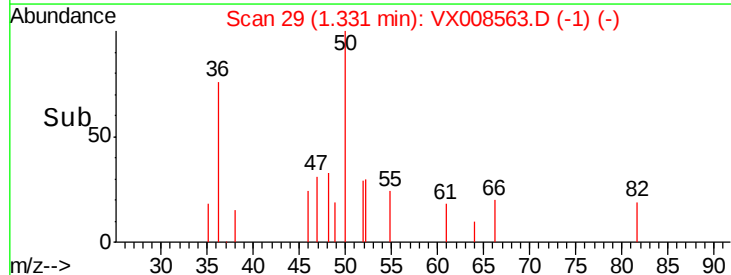
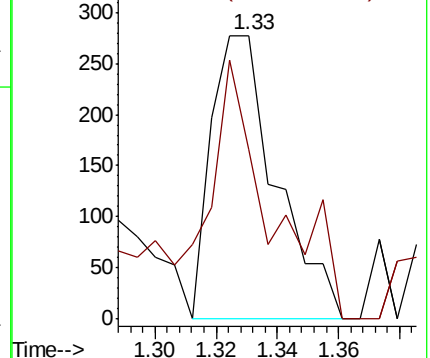
50 100

52 59.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.085 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

Instrument :

MSVOA_X

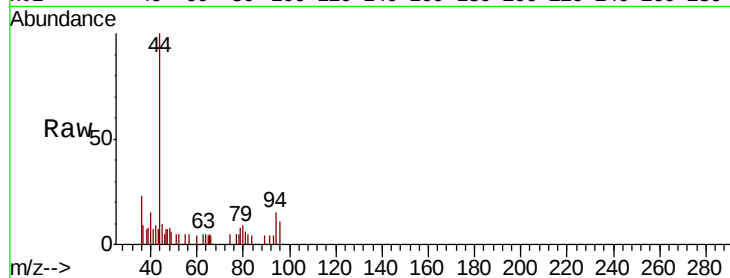
ClientSampled :

Tot Ion: 94 Resp: 544

Ion Ratio Lower Upper

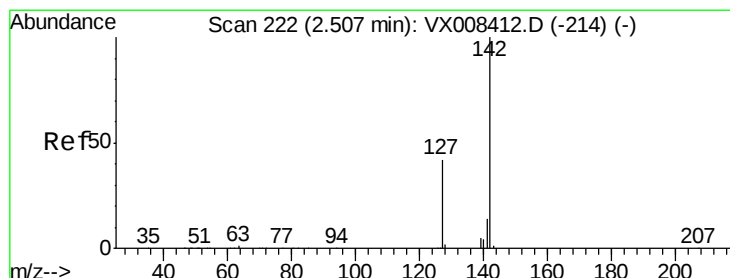
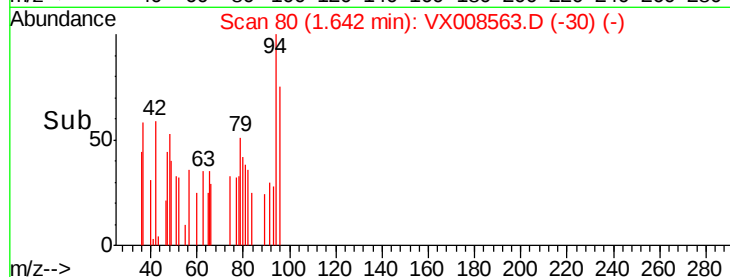
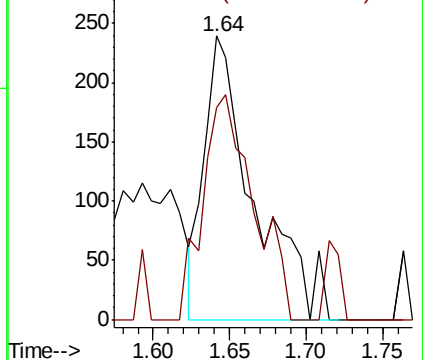
94 100

96 51.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.334 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

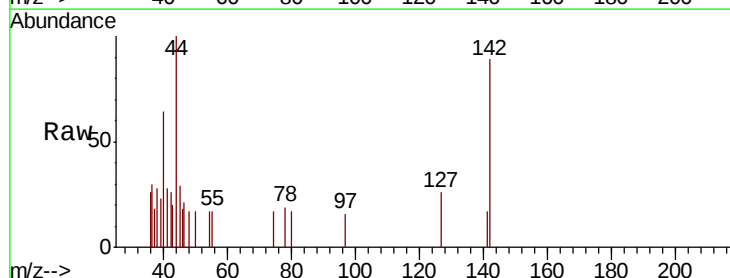
Tgt Ion: 142 Resp: 536

Ion Ratio Lower Upper

142 100

127 20.9 33.6 50.4#

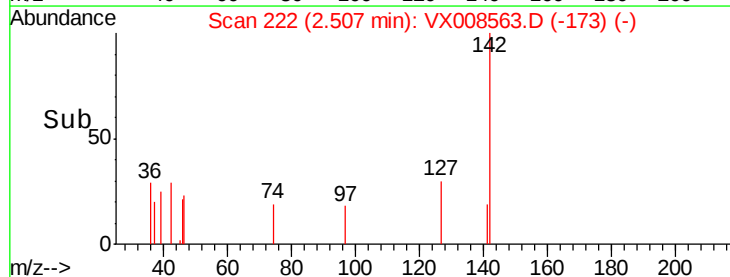
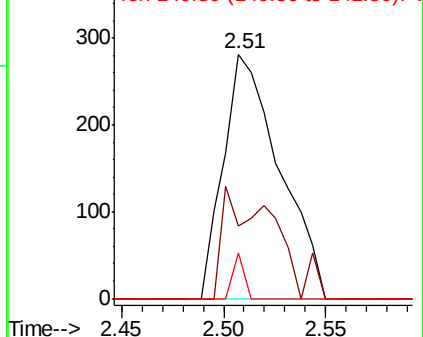
141 3.5 11.3 16.9#

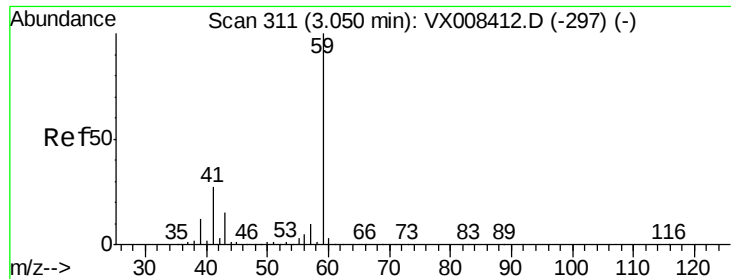


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

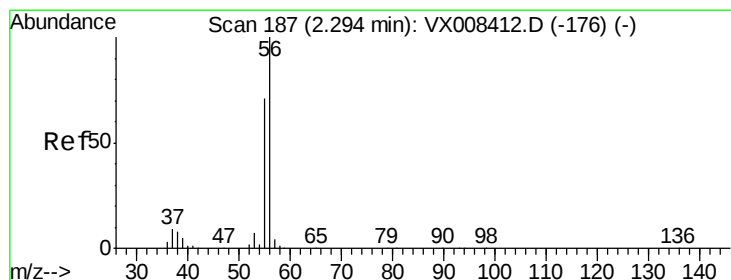
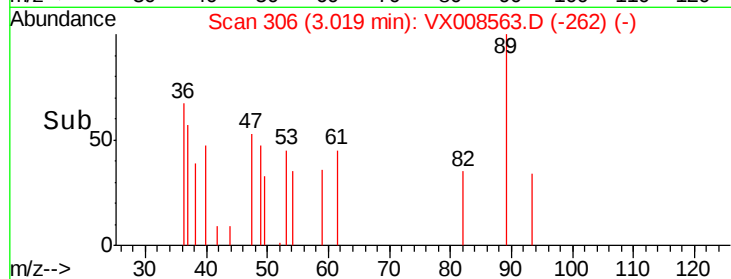
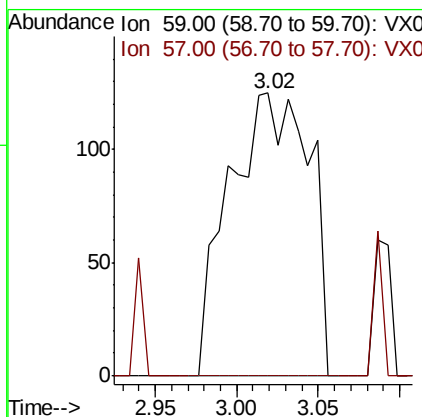
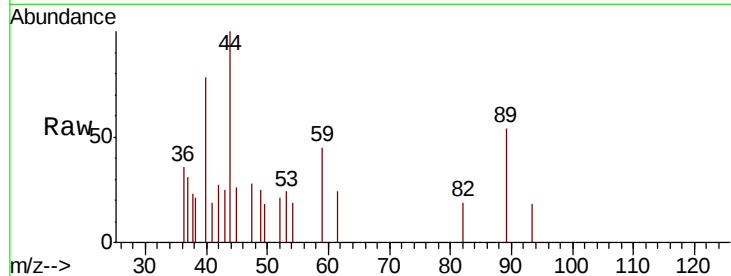




#11
Tert butvl alcohol
Concen: 0.582 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008563.D
Acq: 01 Apr 2019 13:04

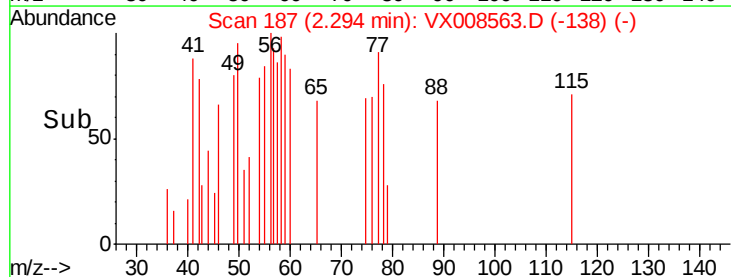
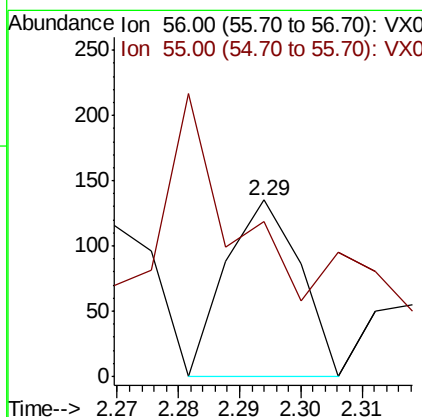
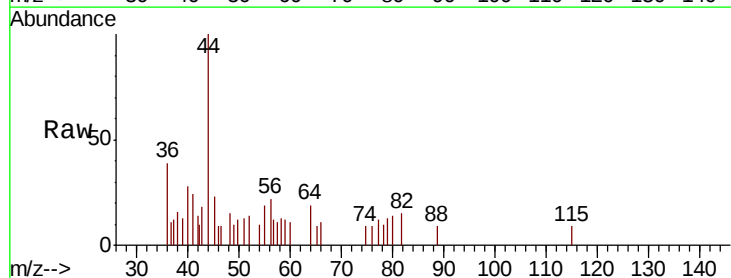
Instrument :
MSVOA_X
ClientSampled :

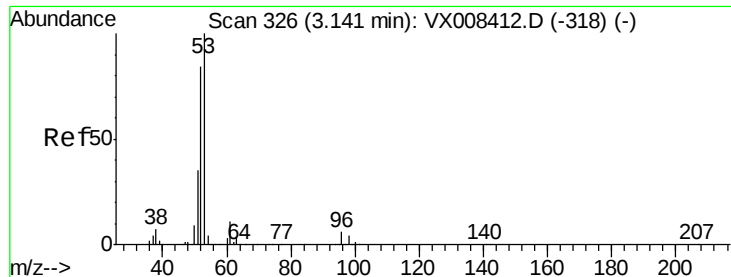
Tot Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.211 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008563.D
Acq: 01 Apr 2019 13:04

Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 371.7 56.5 84.7#





#15

Acrylonitrile

Concen: 0.363 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

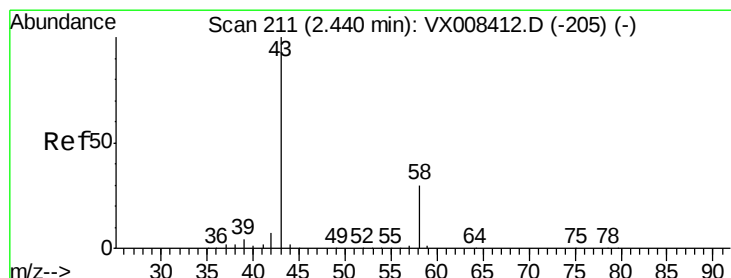
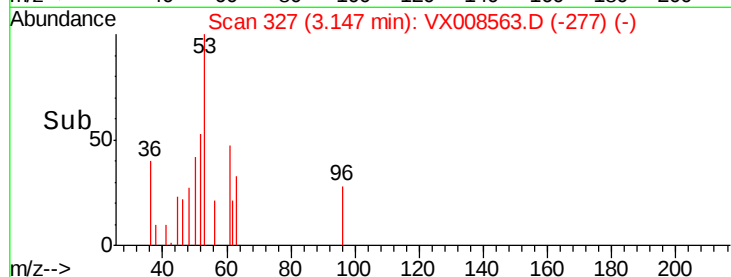
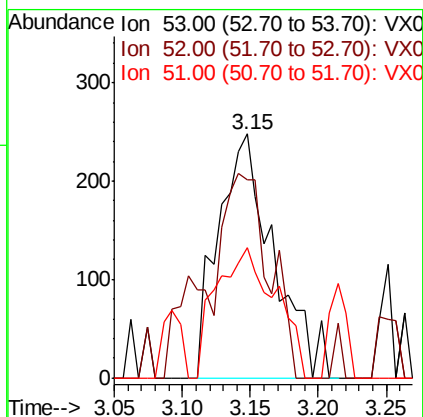
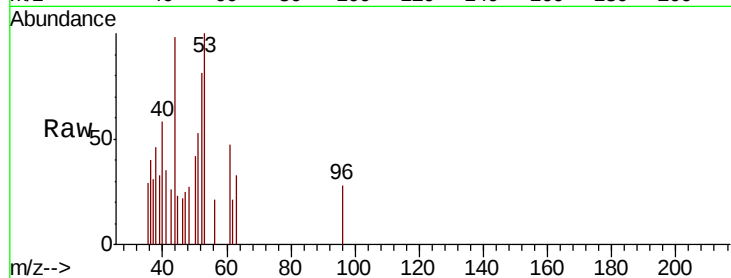
Tot Ion: 53 Resp: 700

Ion Ratio Lower Upper

53 100

52 69.6 66.5 99.7

51 57.9 28.3 42.5#



#16

Acetone

Concen: 0.917 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008563.D

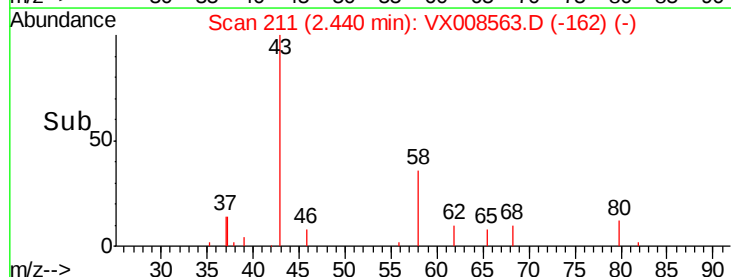
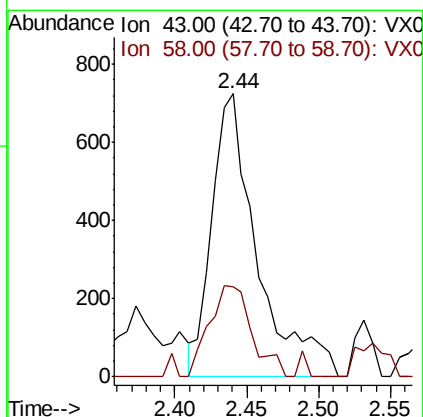
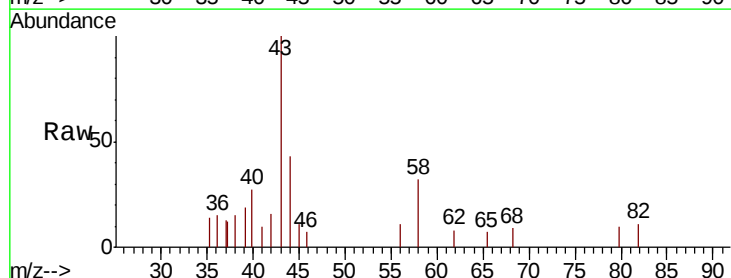
Acq: 01 Apr 2019 13:04

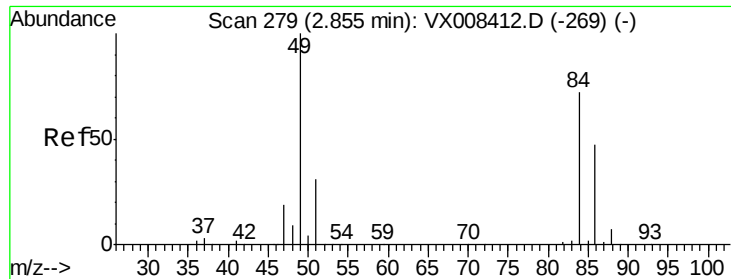
Tgt Ion: 43 Resp: 1591

Ion Ratio Lower Upper

43 100

58 31.6 24.2 36.2

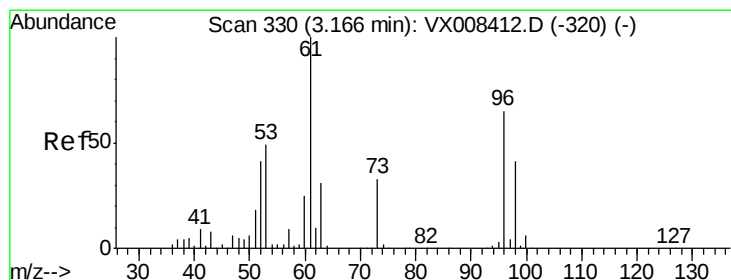
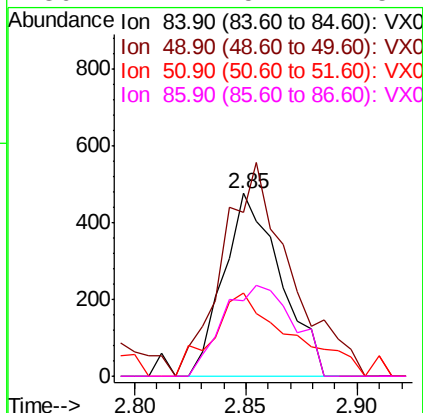
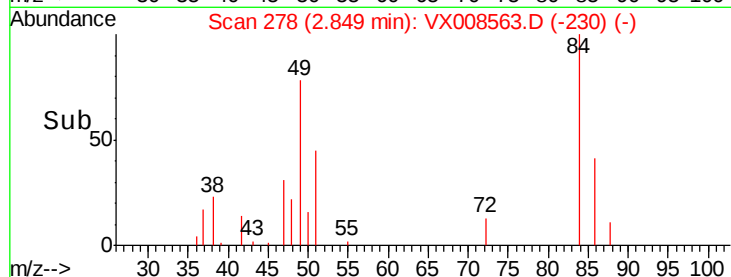
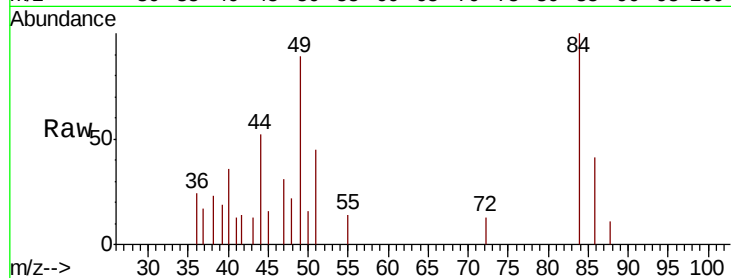




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX008563.D
Acq: 01 Apr 2019 13:04

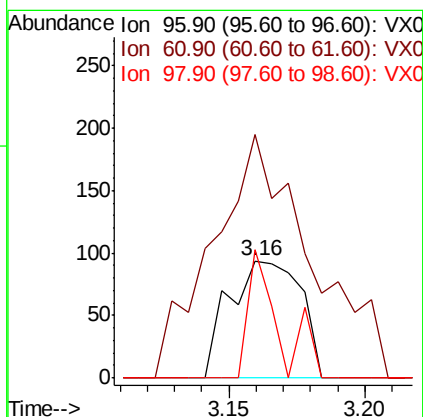
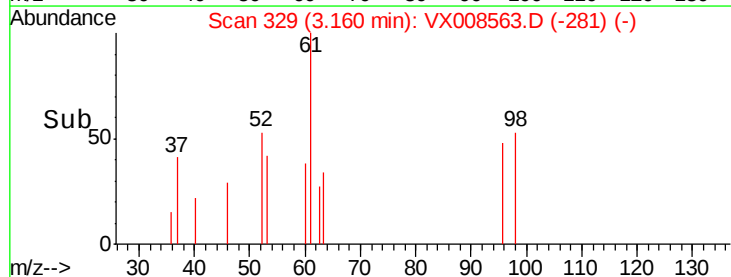
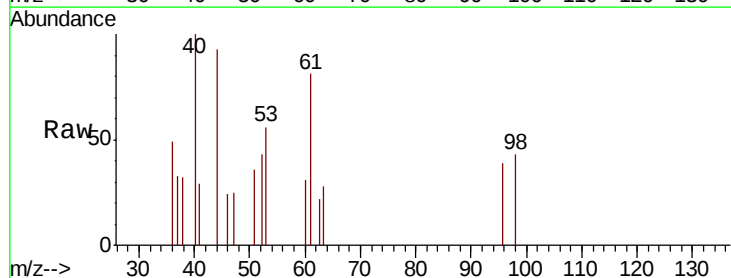
Instrument :
MSVOA_X
ClientSampleId :

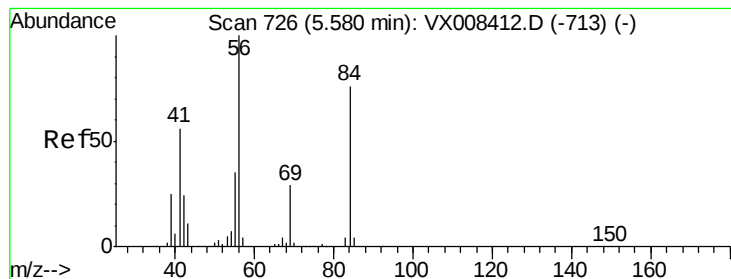
Tot Ion: 84 Resp: 849
Ion Ratio Lower Upper
84 100
49 73.1 110.6 165.8#
51 31.3 33.9 50.9#
86 41.2 52.2 78.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008563.D
Acq: 01 Apr 2019 13:04

Tgt Ion: 96 Resp: 171
Ion Ratio Lower Upper
96 100
61 151.1 122.6 184.0
98 109.6 50.9 76.3#





#31

Cyclohexane

Concen: 0.996 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

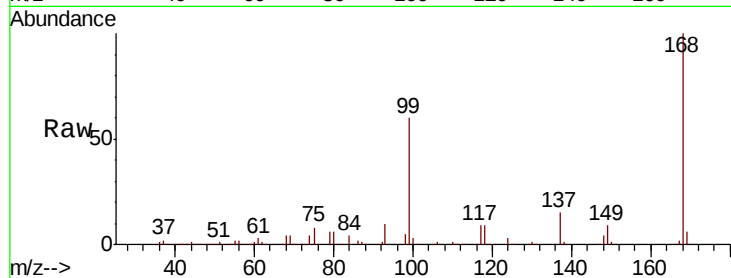
Tot Ion: 56 Resp: 5303

Ion Ratio Lower Upper

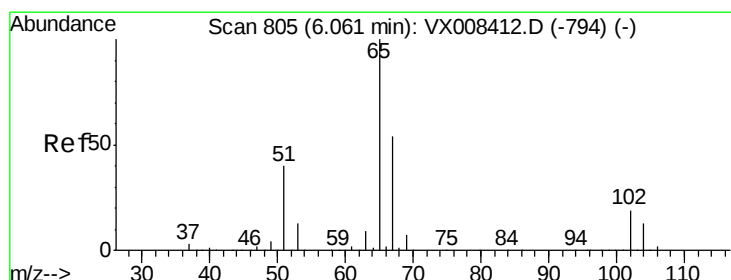
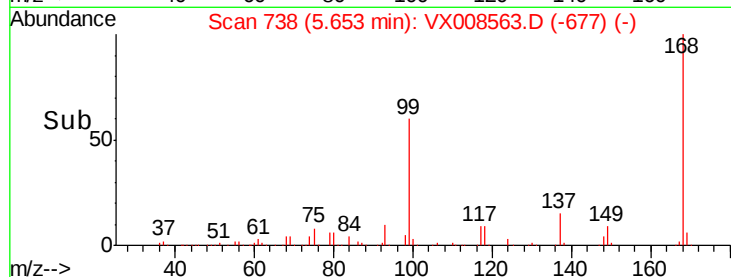
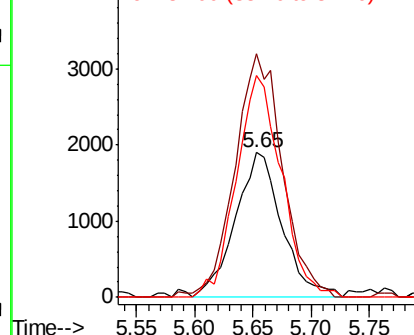
56 100

69 168.3 23.2 34.8#

84 152.9 60.7 91.1#



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: 46.346 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008563.D

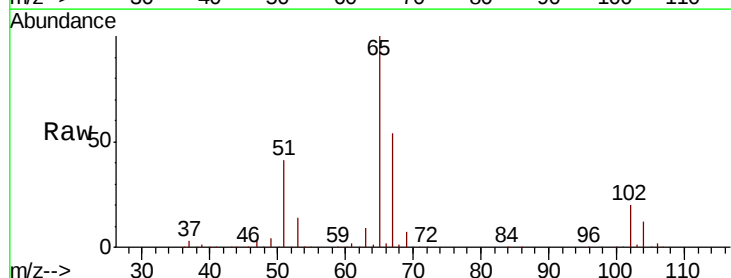
Acq: 01 Apr 2019 13:04

Tgt Ion: 65 Resp: 153911

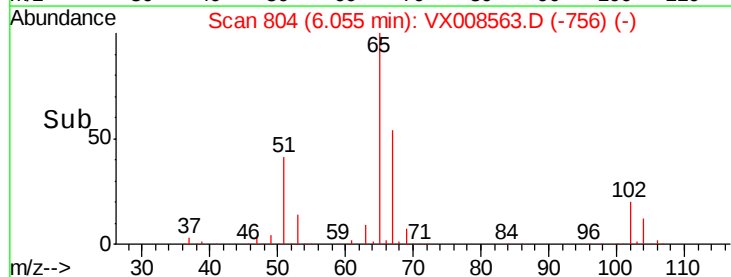
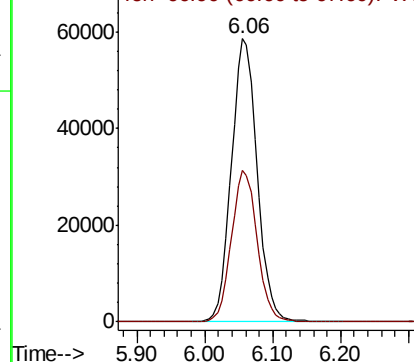
Ion Ratio Lower Upper

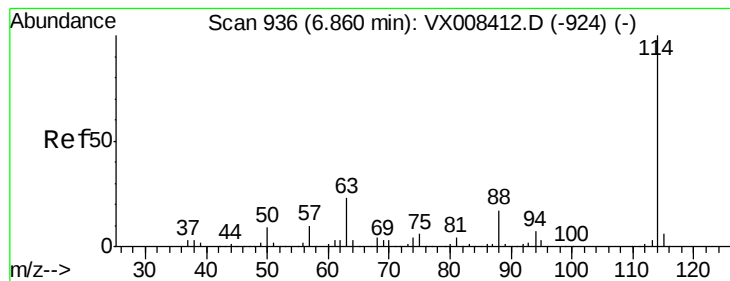
65 100

67 53.5 0.0 109.4



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

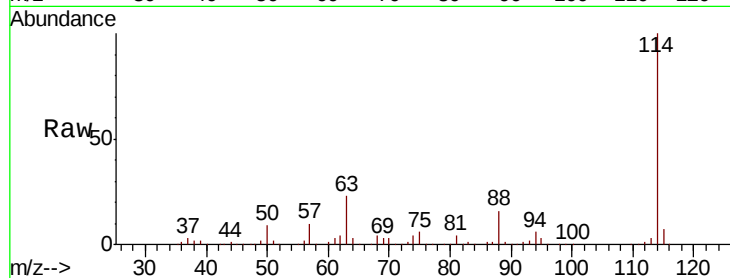
Tot Ion:114 Resp: 365302

Ion Ratio Lower Upper

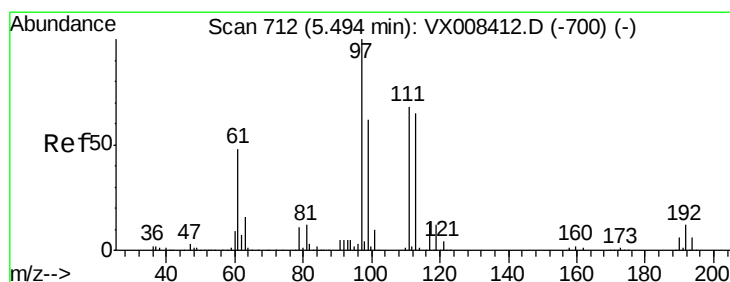
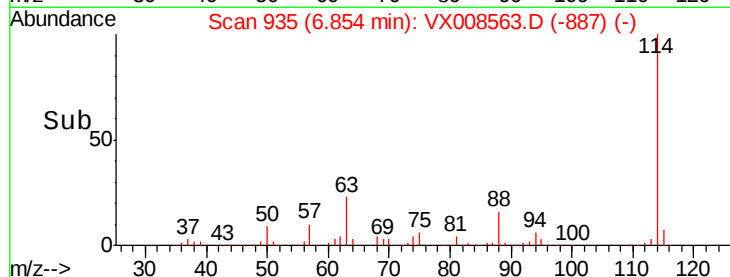
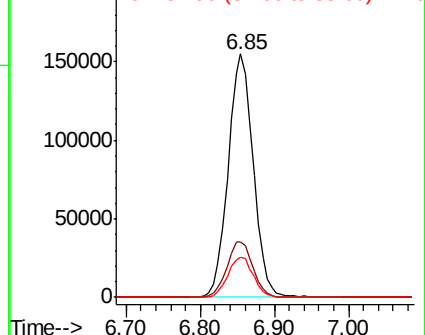
114 100

63 22.8 0.0 46.4

88 16.4 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.326 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

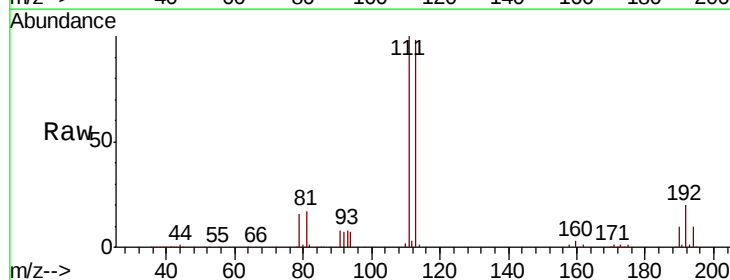
Tgt Ion:113 Resp: 112728

Ion Ratio Lower Upper

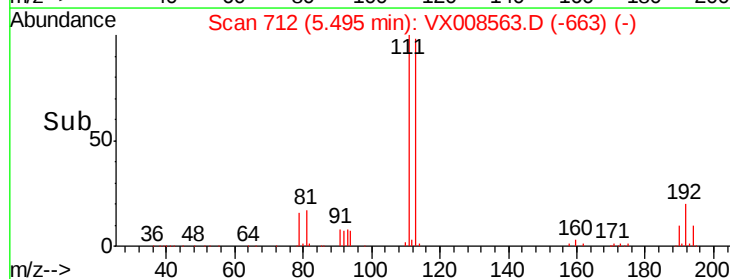
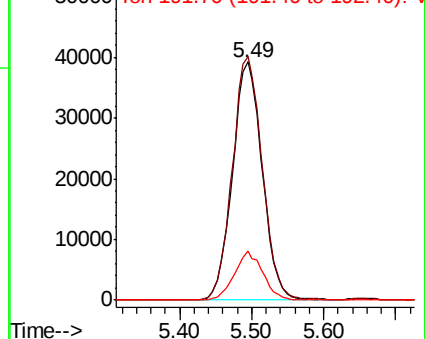
113 100

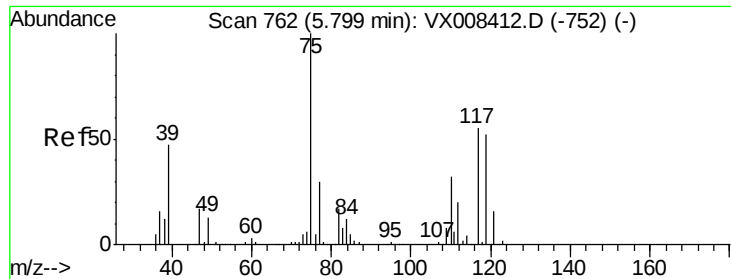
111 102.6 83.0 124.4

192 19.6 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

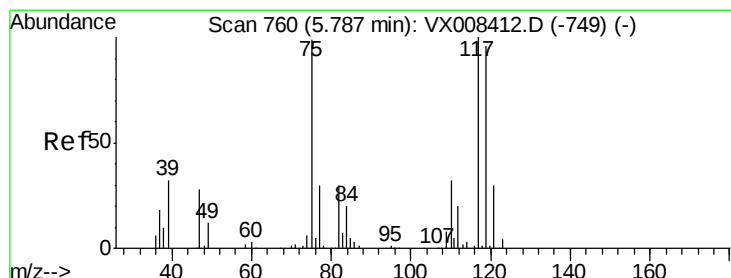
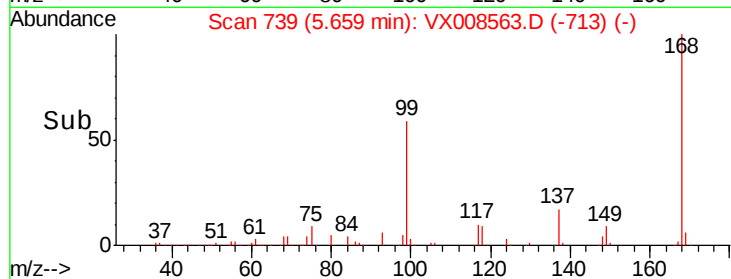
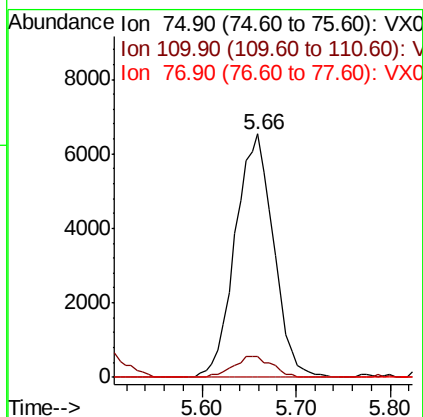
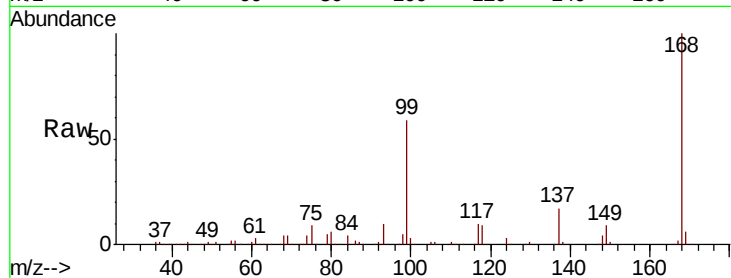




#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008563.D
 Acq: 01 Apr 2019 13:04

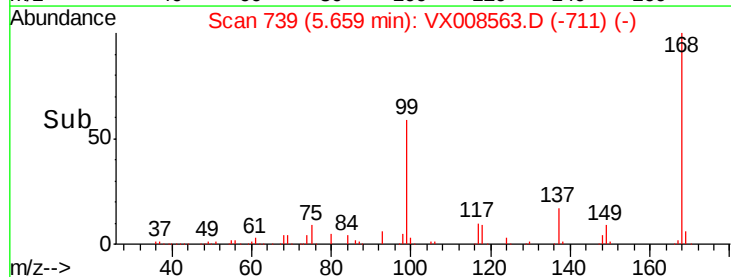
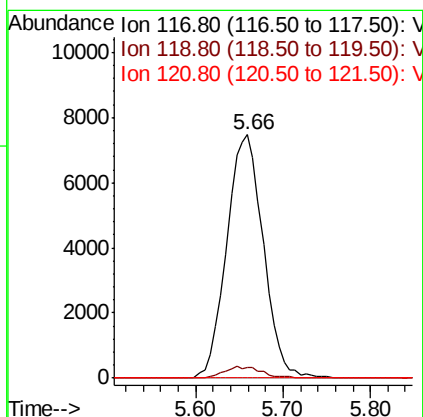
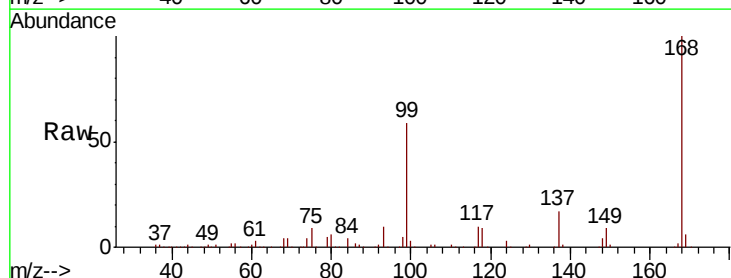
Instrument :
 MSVOA_X
 ClientSampled :

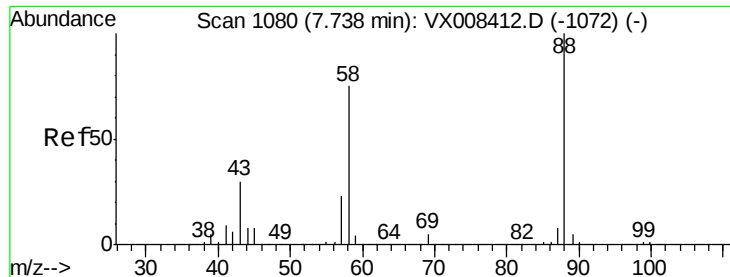
Tot Ion	75	Resp	18436
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	16.6	49.7#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.675 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008563.D
 Acq: 01 Apr 2019 13:04

Tgt Ion	117	Resp	21697
Ion Ratio	100	Lower	Upper
117	100		
119	4.4	76.7	115.1#
121	0.0	24.3	36.5#

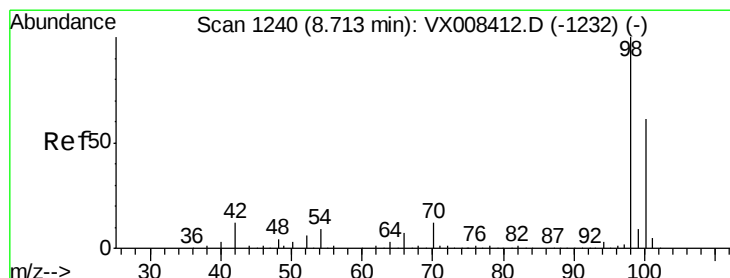
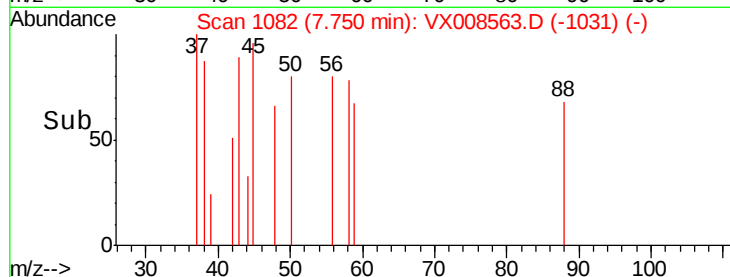
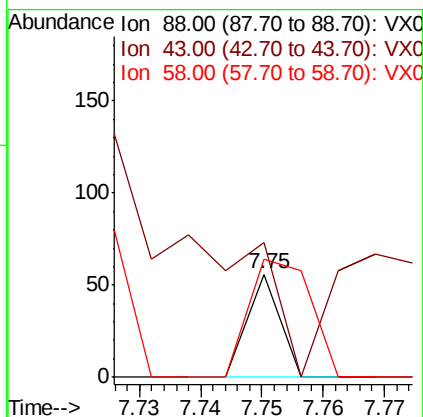
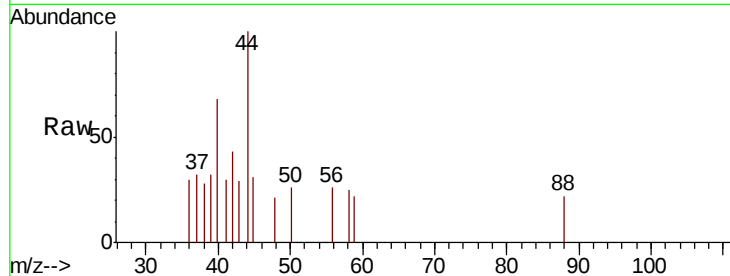




#49
1,4-Dioxane
Concen: 0.249 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008563.D
Acq: 01 Apr 2019 13:04

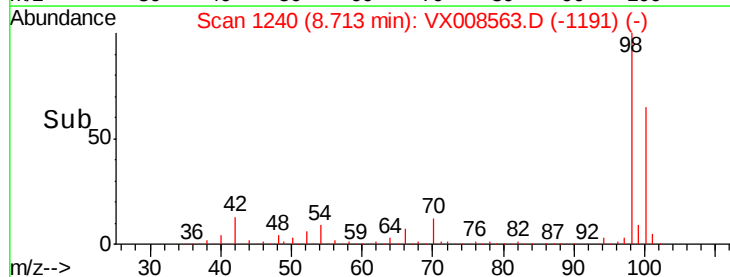
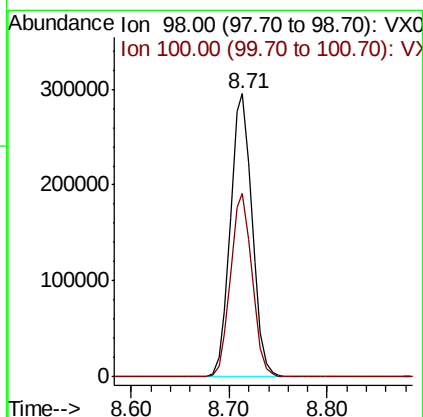
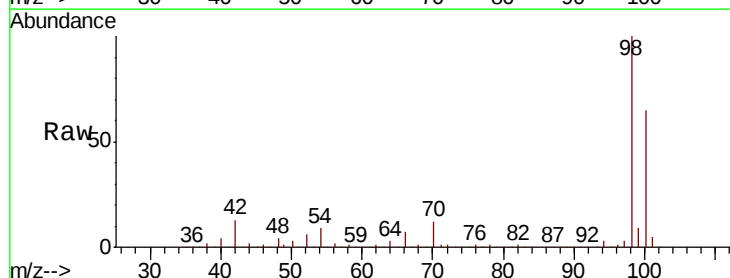
Instrument :
MSVOA_X
ClientSampleId :

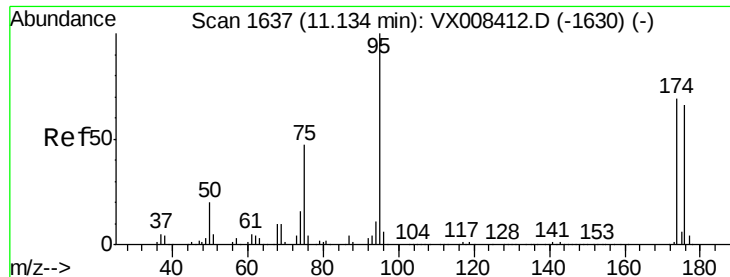
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 28.6 43.0#
58 225.0 63.0 94.4#



#50
Toluene-d8
Concen: 47.780 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008563.D
Acq: 01 Apr 2019 13:04

Tgt Ion: 98 Resp: 455078
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 44.017 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

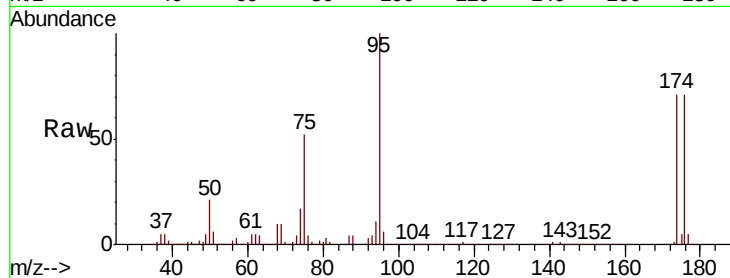
Tot Ion: 95 Resp: 155351

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.2

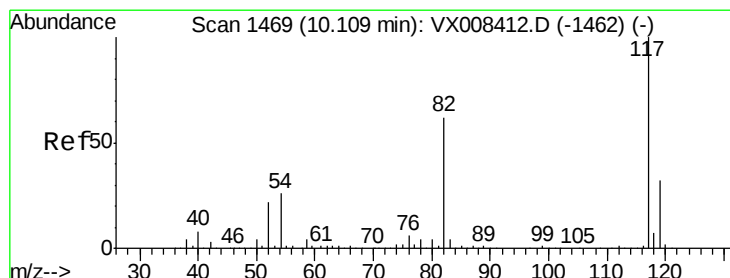
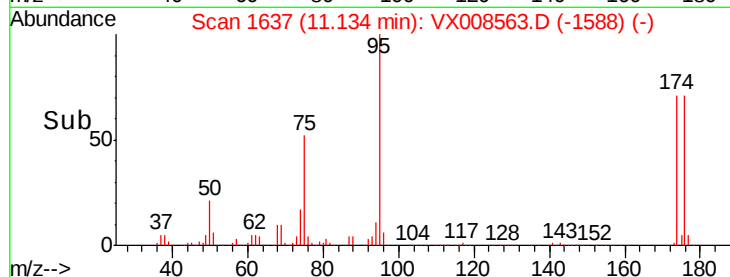
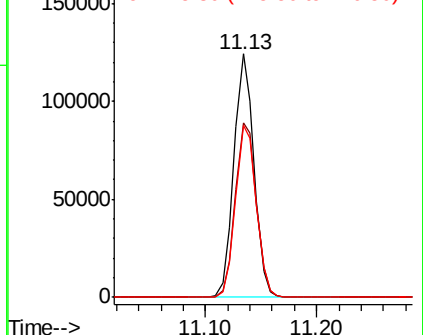
176 73.0 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

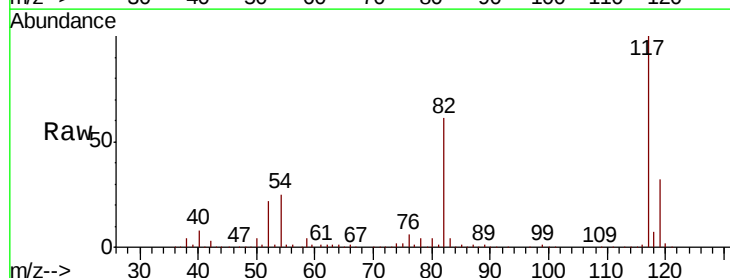
Tgt Ion: 117 Resp: 316097

Ion Ratio Lower Upper

117 100

82 60.8 49.4 74.2

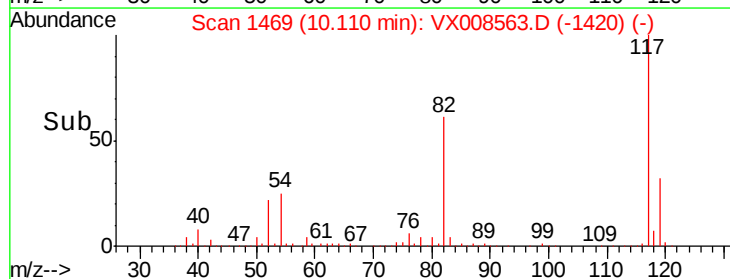
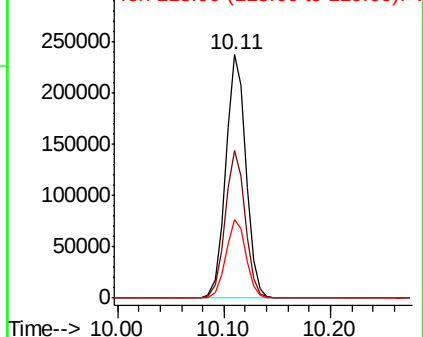
119 32.1 25.4 38.0

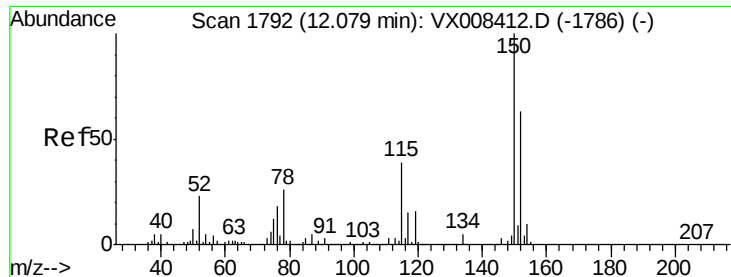


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

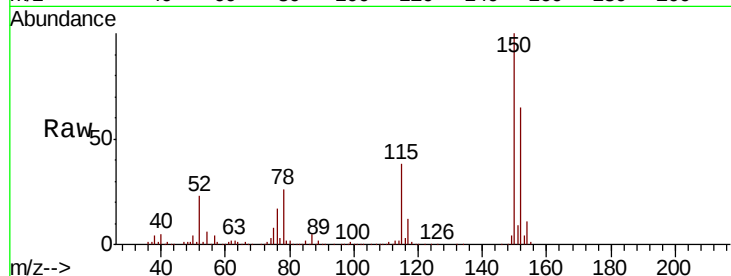
Tot Ion:152 Resp: 133006

Ion Ratio Lower Upper

152 100

115 60.6 43.5 130.5

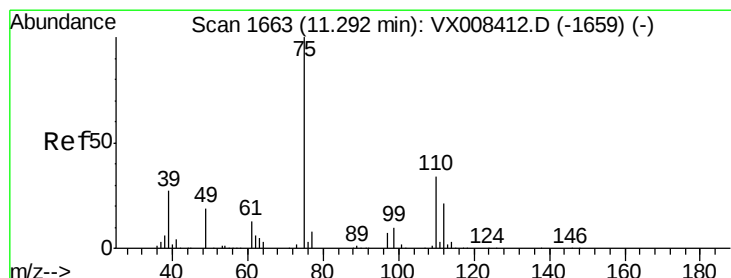
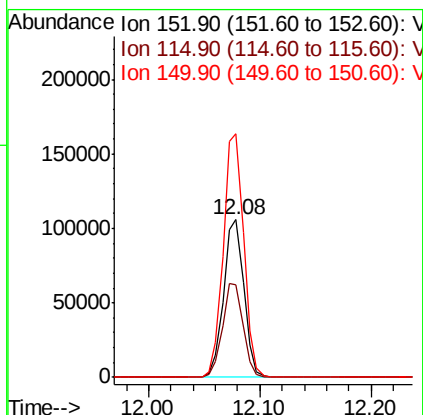
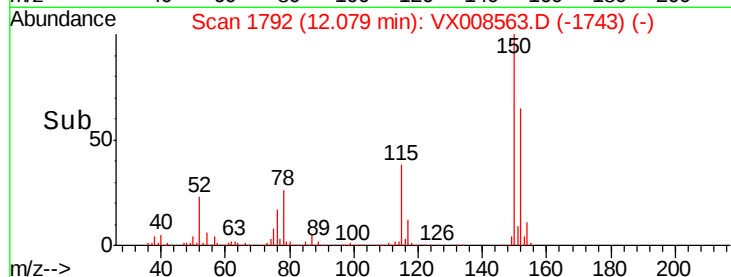
150 156.4 0.0 348.8



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: 20.073 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008563.D

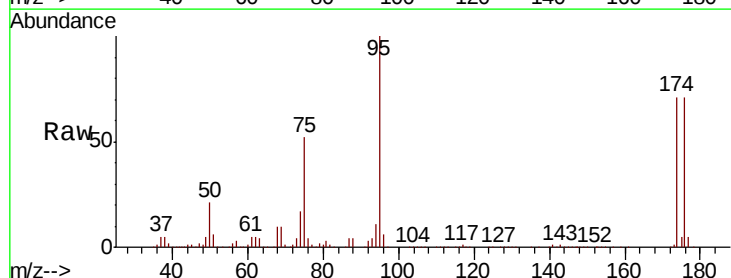
Acq: 01 Apr 2019 13:04

Tgt Ion: 75 Resp: 79371

Ion Ratio Lower Upper

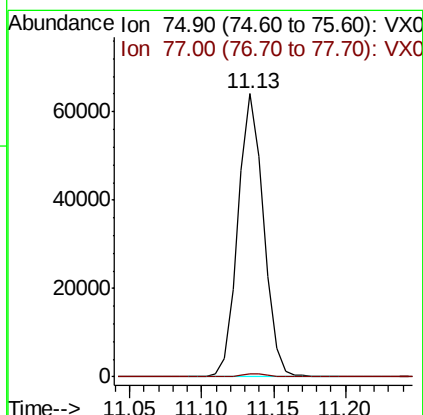
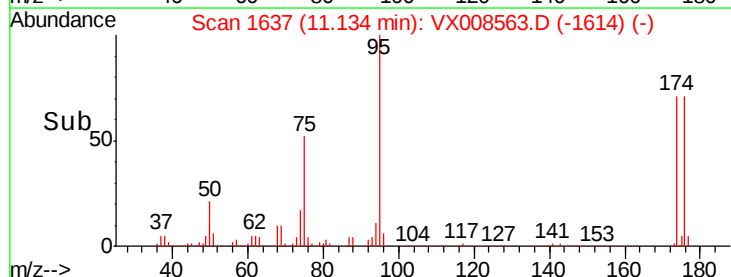
75 100

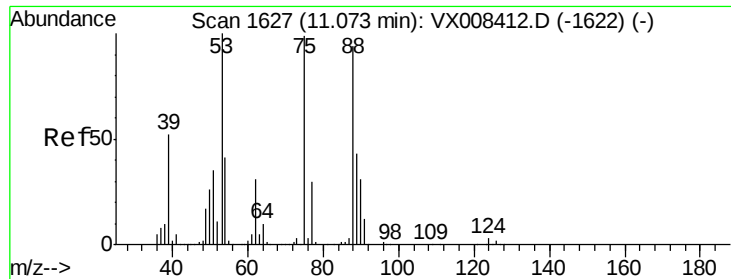
77 1.4 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.290 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008563.D

Acq: 01 Apr 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

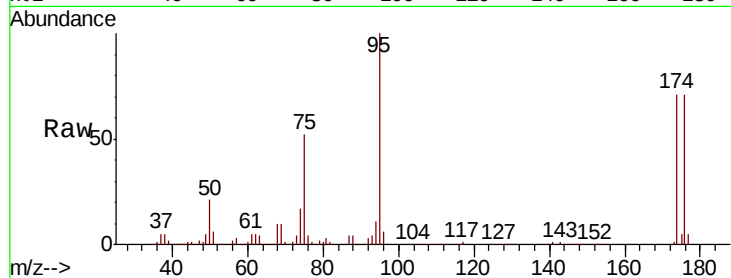
Tot Ion: 75 Resp: 79371

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#



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

