

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011162.D
 Acq On : 29 Jul 2019 22:49
 Operator : JC/SP
 Sample : VX0729WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBL02

Quant Time: Jul 30 05:11:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142613	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	111242	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	5.50	113	102342	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	8.71	98	396247	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.13	95	138351	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	

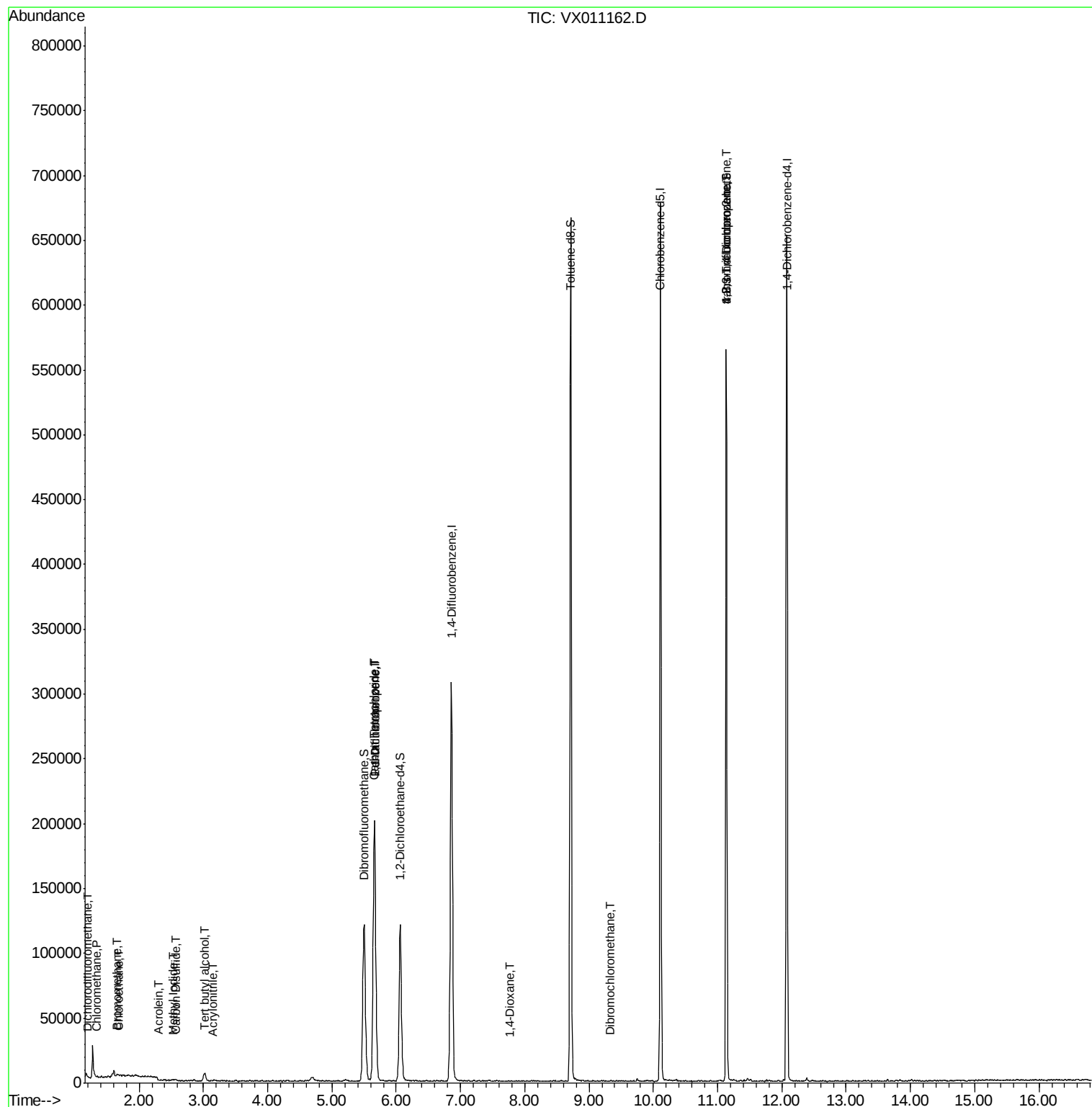
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	247	0.659	ug/l #	43
3) Chloromethane	1.34	50	497	0.267	ug/l #	82
5) Bromomethane	1.65	94	869	0.811	ug/l	84
6) Chloroethane	1.70	64	542	0.449	ug/l #	41
10) Methyl Iodide	2.53	142	711	0.295	ug/l #	79
11) Tert butyl alcohol	3.01	59	3496	6.962	ug/l #	90
13) Acrolein	2.30	56	109	0.376	ug/l #	59
15) Acrylonitrile	3.15	53	332	0.327	ug/l	92
17) Carbon Disulfide	2.57	76	1321	0.285	ug/l #	93
36) 1,1-Dichloropropene	5.66	75	13447	5.096	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18963	6.896	ug/l #	17
49) 1,4-Dioxane	7.76	88	39	0.644	ug/l #	1
60) Dibromochloromethane	9.34	129	69	2.554	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	69659	27.068	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	69659	67.098	ug/l #	11

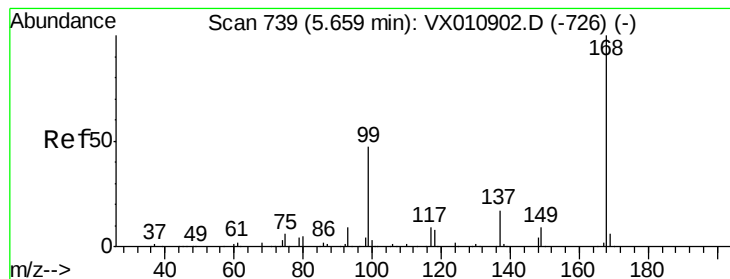
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

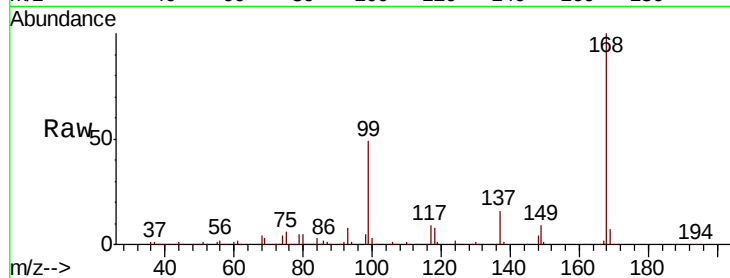
VX0729WBL02

Tot Ion:168 Resp: 202680

Ion Ratio Lower Upper

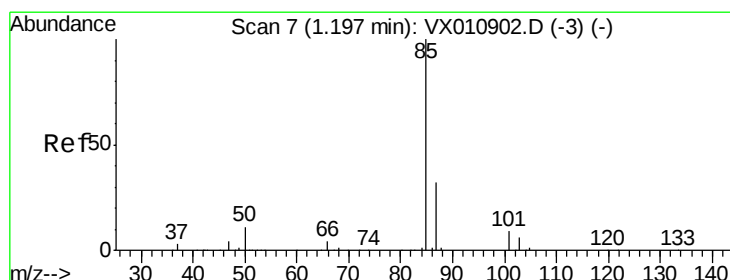
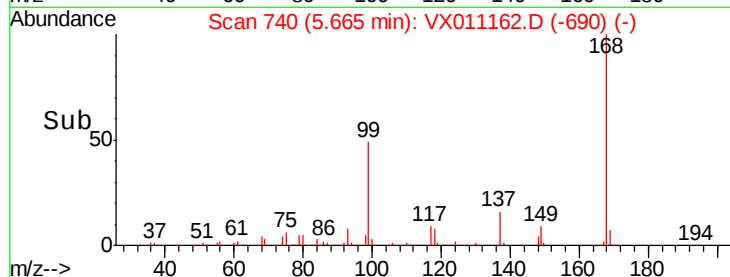
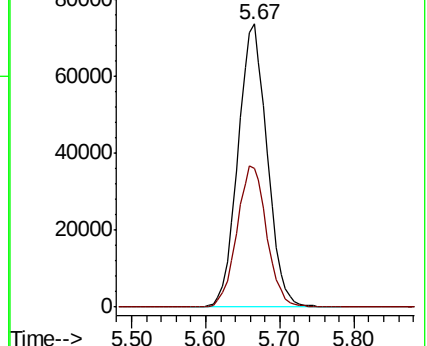
168 100

99 48.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.659 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011162.D

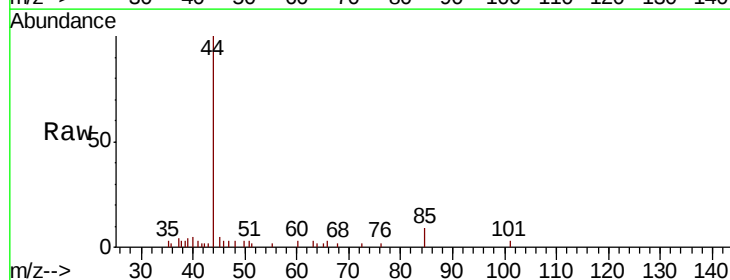
Acq: 29 Jul 2019 22:49

Tgt Ion: 85 Resp: 247

Ion Ratio Lower Upper

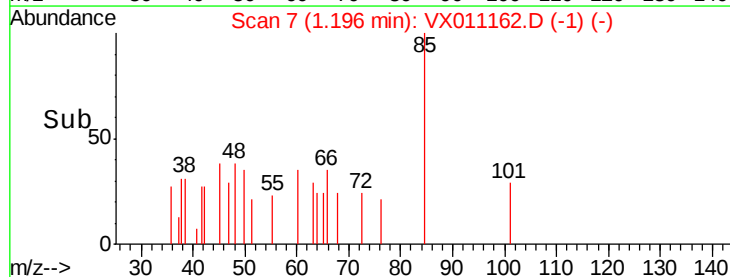
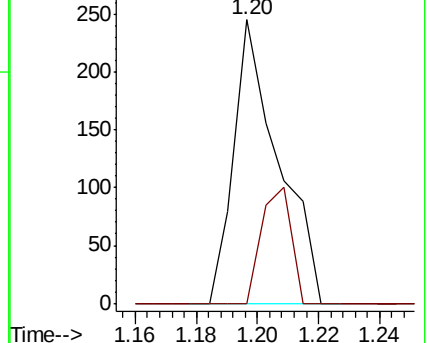
85 100

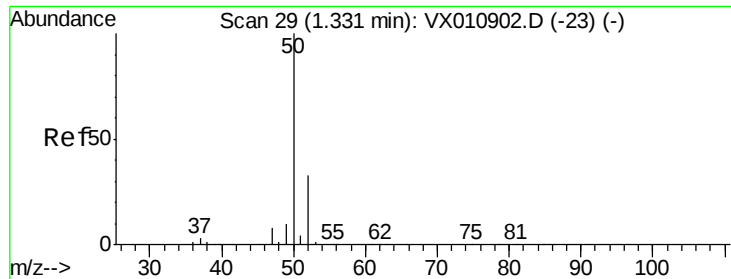
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

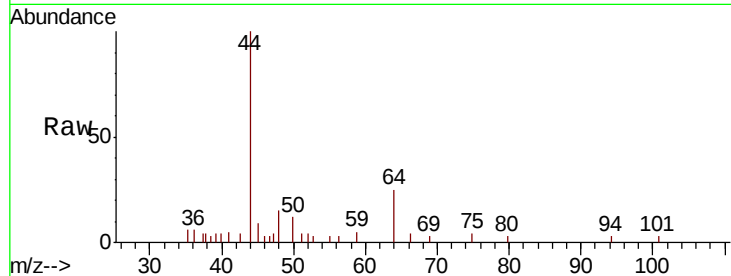
VX0729WBL02

Tot Ion: 50 Resp: 497

Ion Ratio Lower Upper

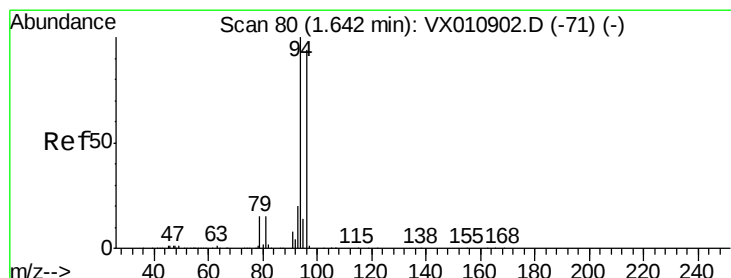
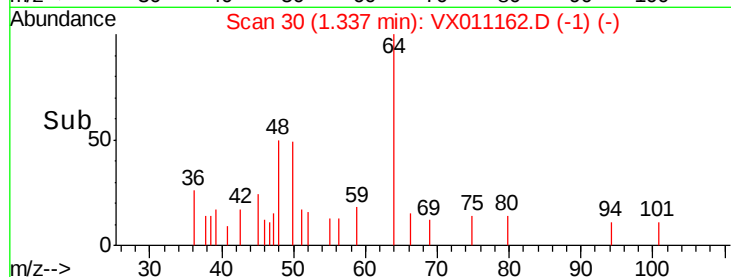
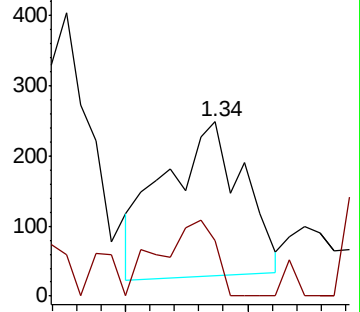
50 100

52 43.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.811 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011162.D

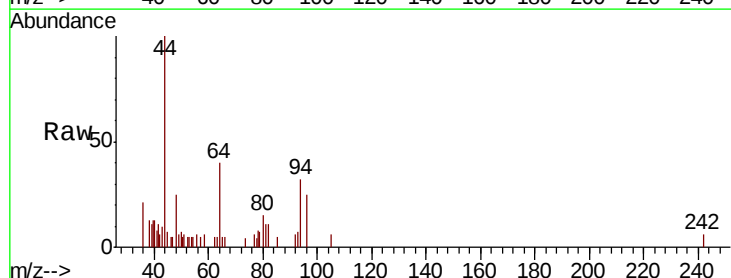
Acq: 29 Jul 2019 22:49

Tgt Ion: 94 Resp: 869

Ion Ratio Lower Upper

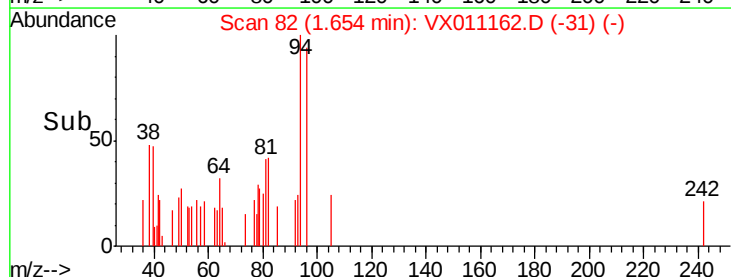
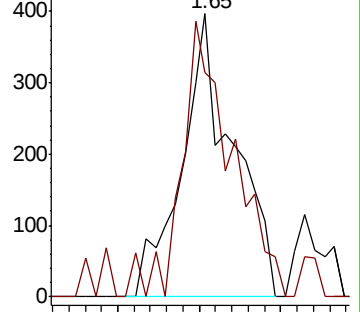
94 100

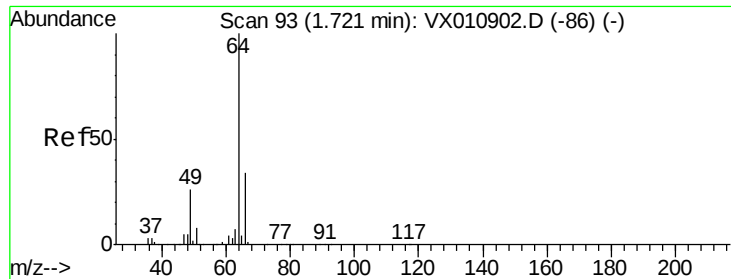
96 79.3 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.449 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

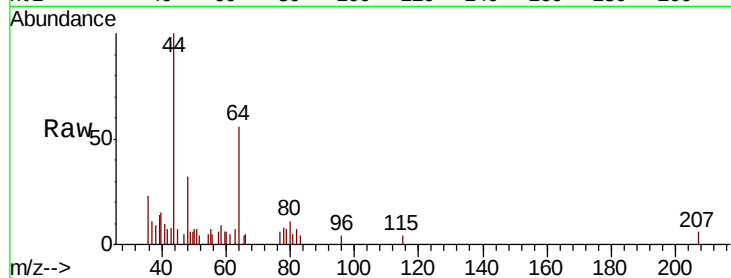
VX0729WBL02

Tot Ion: 64 Resp: 542

Ion Ratio Lower Upper

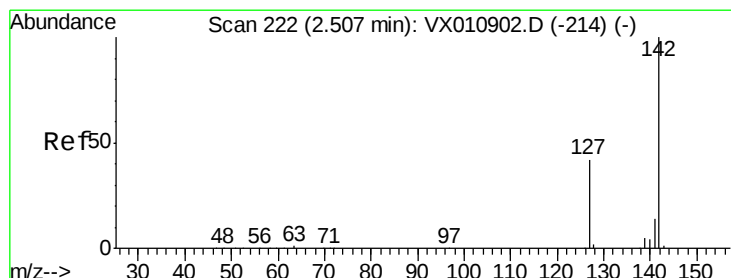
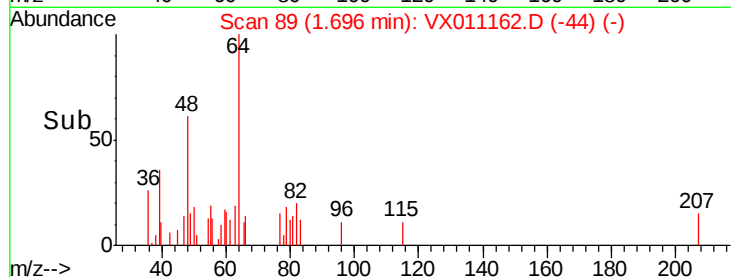
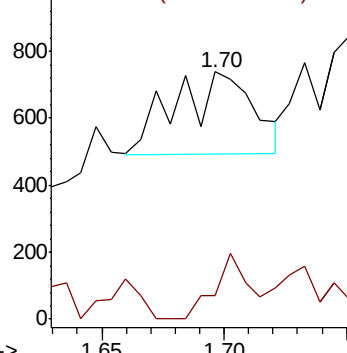
64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.295 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

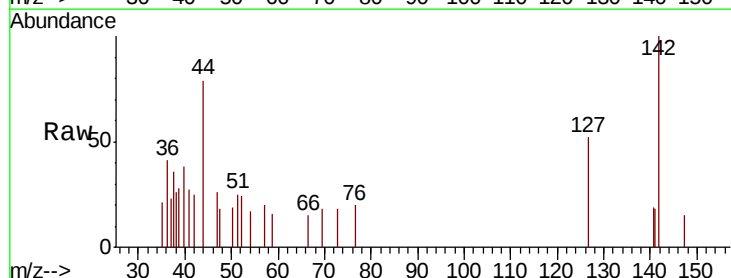
Tgt Ion: 142 Resp: 711

Ion Ratio Lower Upper

142 100

127 59.5 34.2 51.4#

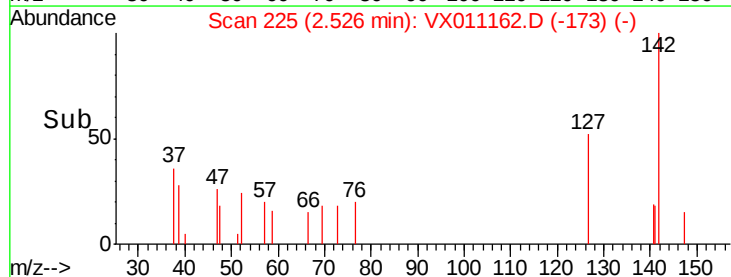
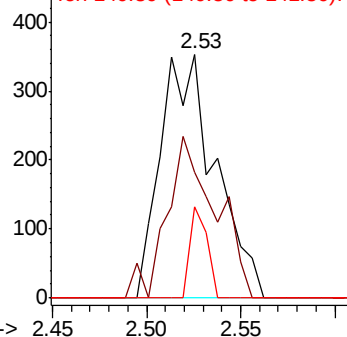
141 11.7 11.7 17.5#

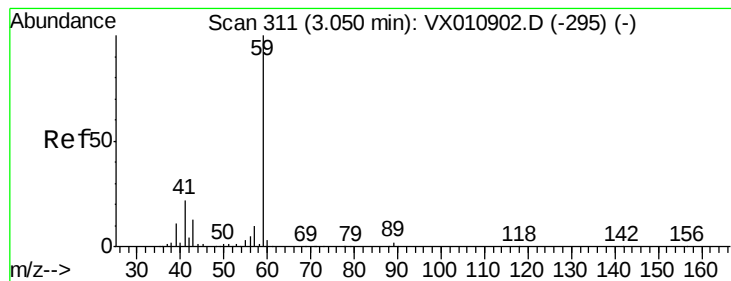


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



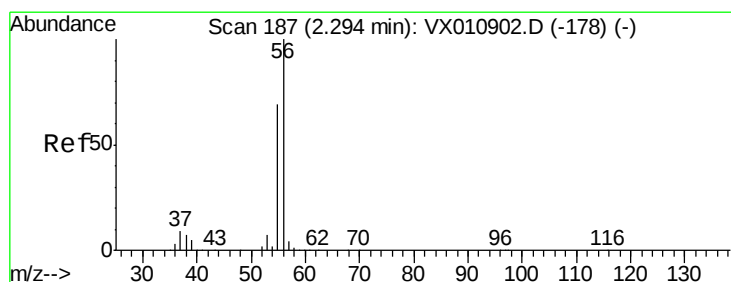
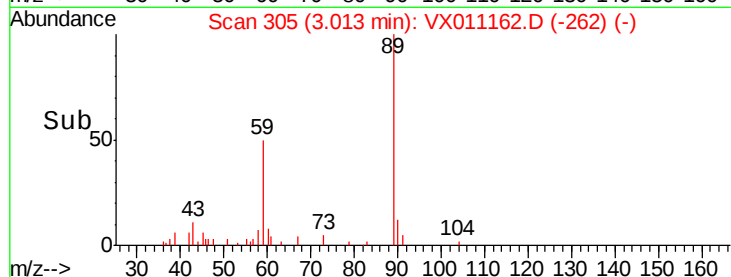
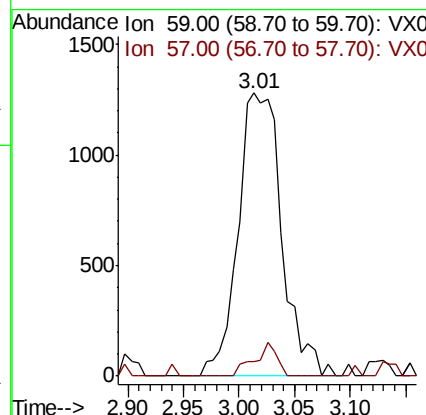
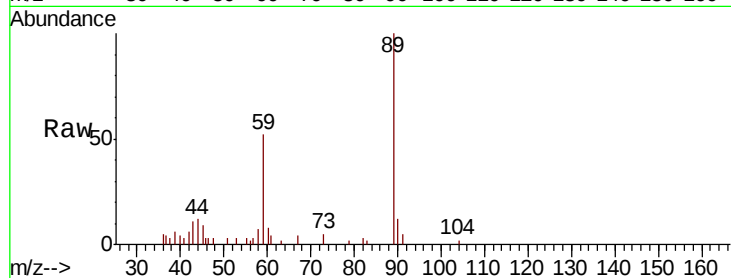


#11

Tert butyl alcohol
Concen: 6.962 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX011162.D
Acq: 29 Jul 2019 22:49

Instrument :
MSVOA_X
ClientSampled :
VX0729WBL02

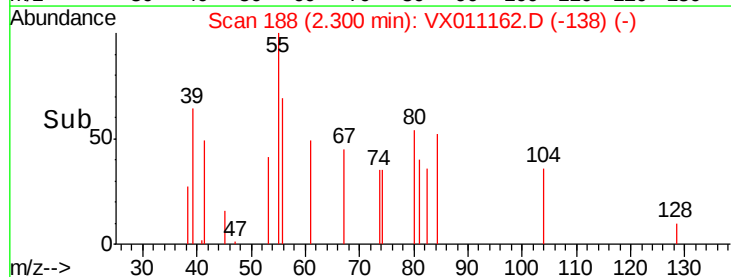
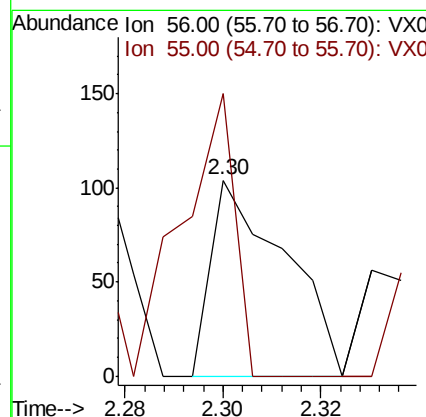
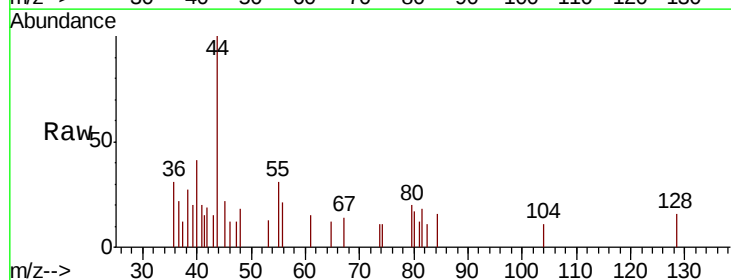
Tot Ion: 59 Resp: 3496
Ion Ratio Lower Upper
59 100
57 6.1 7.9 11.9#

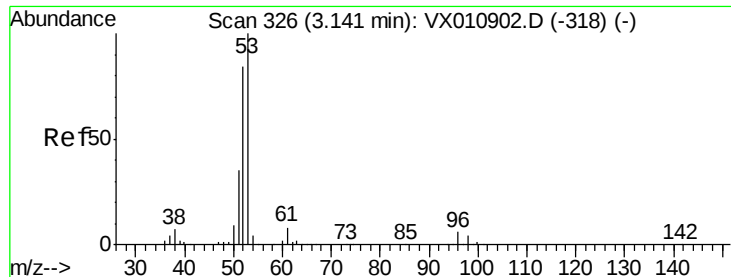


#13

Acrolein
Concen: 0.376 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX011162.D
Acq: 29 Jul 2019 22:49

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 103.7 55.9 83.9#





#15

Acrylonitrile

Concen: 0.327 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBL02

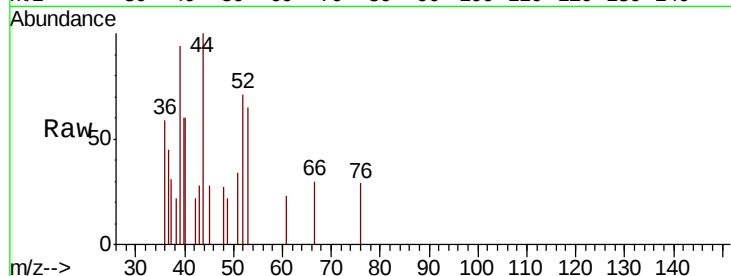
Tot Ion: 53 Resp: 332

Ion Ratio Lower Upper

53 100

52 76.2 66.5 99.7

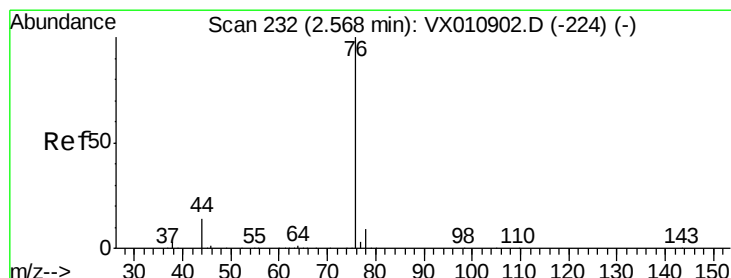
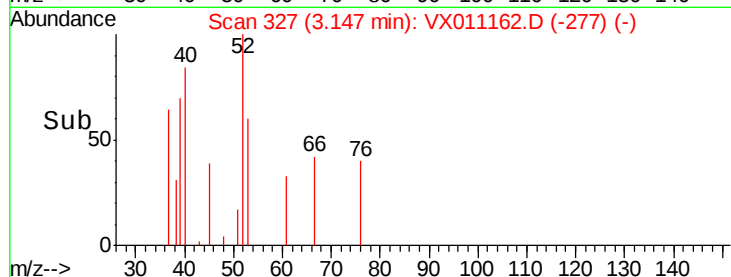
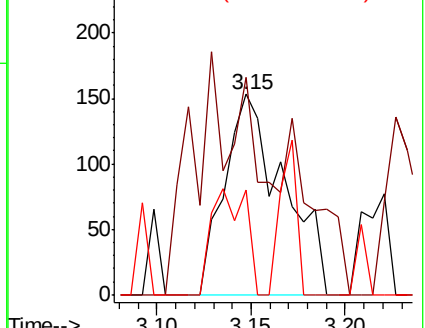
51 30.7 28.2 42.4



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



#17

Carbon Disulfide

Concen: 0.285 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011162.D

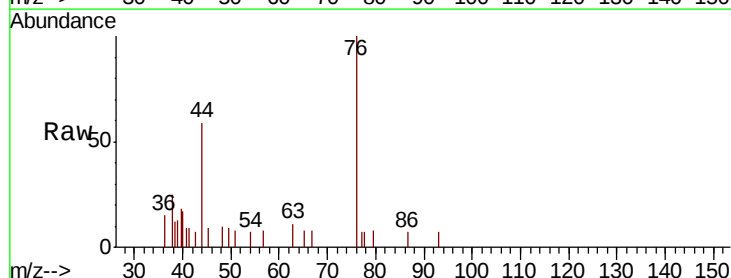
Acq: 29 Jul 2019 22:49

Tgt Ion: 76 Resp: 1321

Ion Ratio Lower Upper

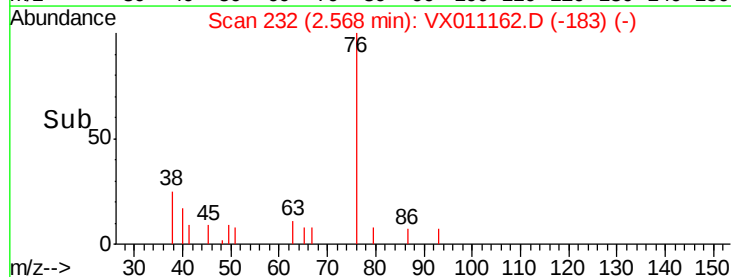
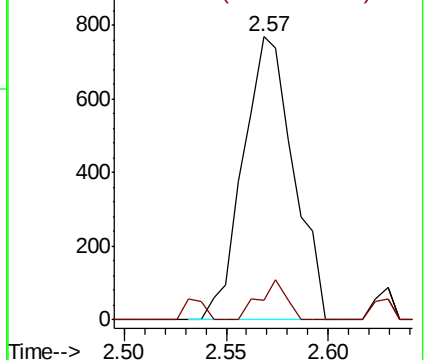
76 100

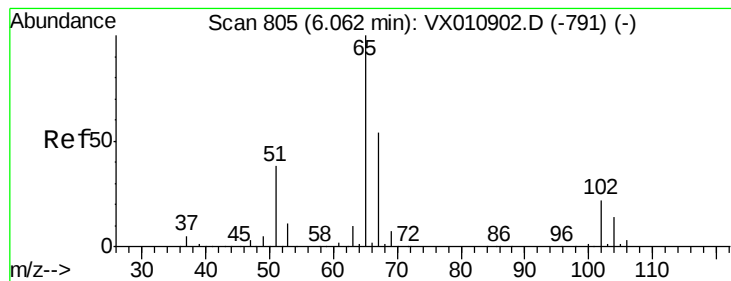
78 6.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.592 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

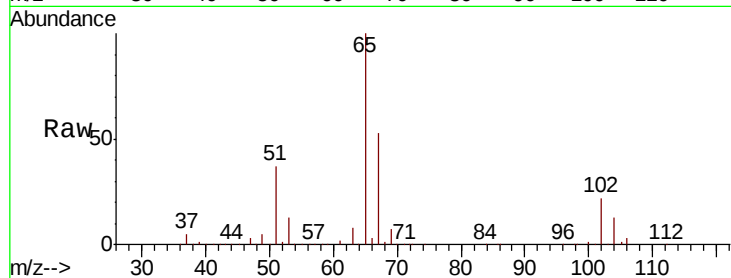
VX0729WBL02

Tot Ion: 65 Resp: 111242

Ion Ratio Lower Upper

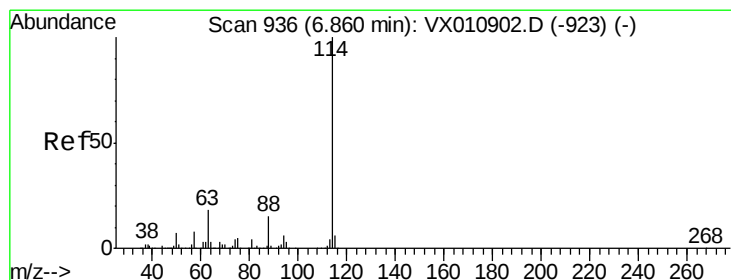
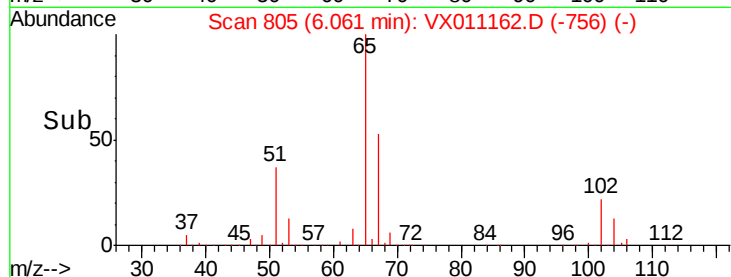
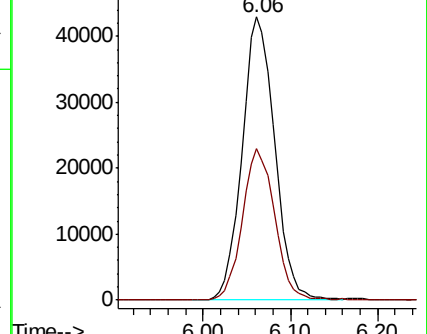
65 100

67 52.9 0.0 107.8



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: VX011162.D

Acq: 29 Jul 2019 22:49

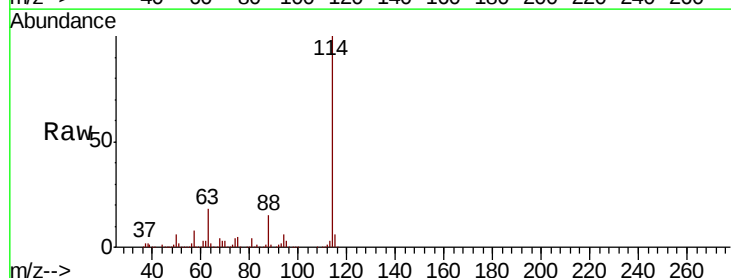
Tgt Ion: 114 Resp: 321273

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

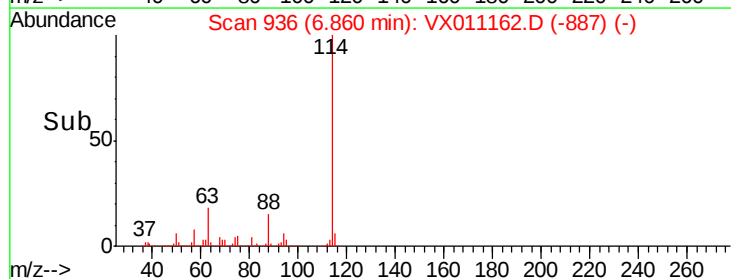
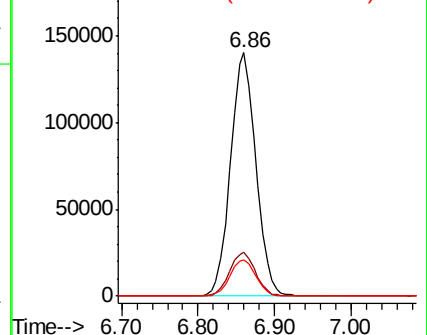
88 14.8 0.0 29.8

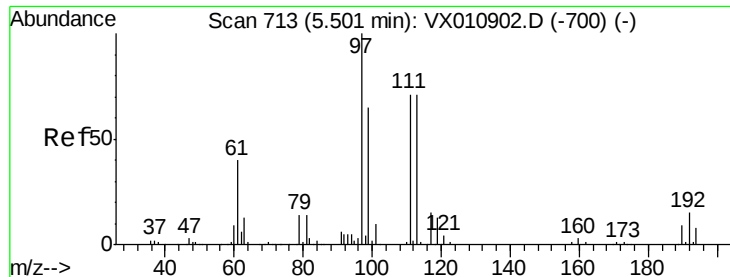


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.188 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBL02

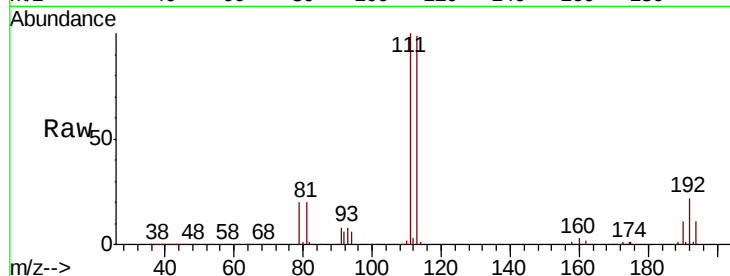
Tot Ion:113 Resp: 102342

Ion Ratio Lower Upper

113 100

111 101.4 82.3 123.5

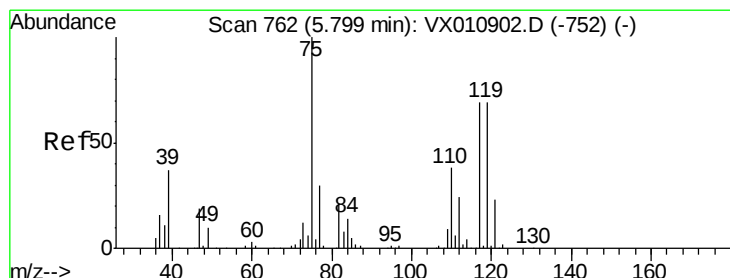
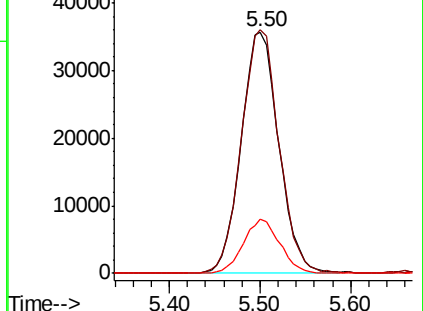
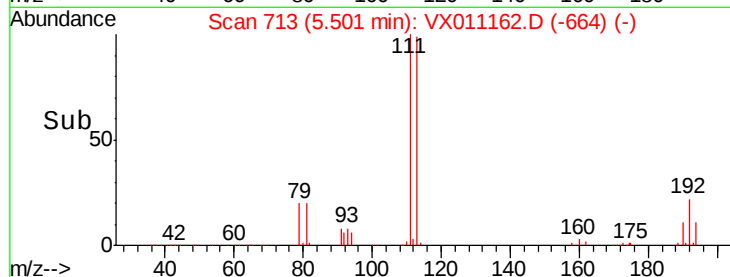
192 21.7 17.4 26.2



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: 5.096 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

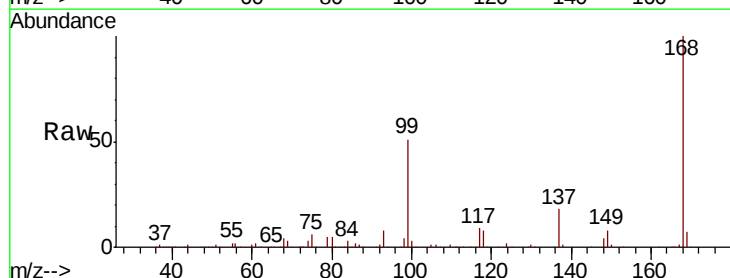
Tgt Ion: 75 Resp: 13447

Ion Ratio Lower Upper

75 100

110 11.0 19.9 59.7#

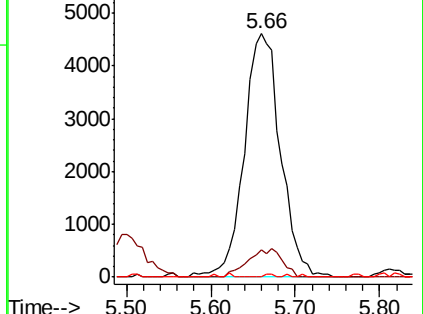
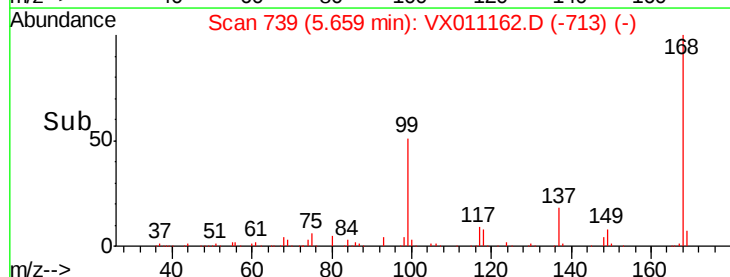
77 0.3 25.0 37.4#

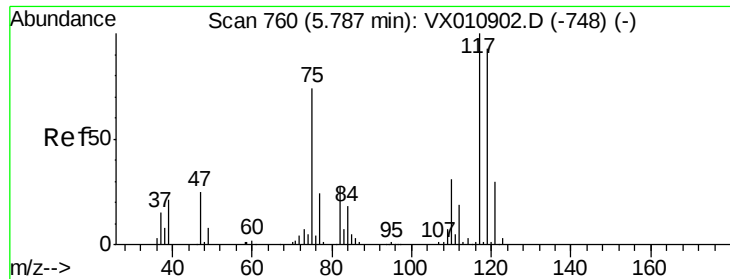


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.896 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBL02

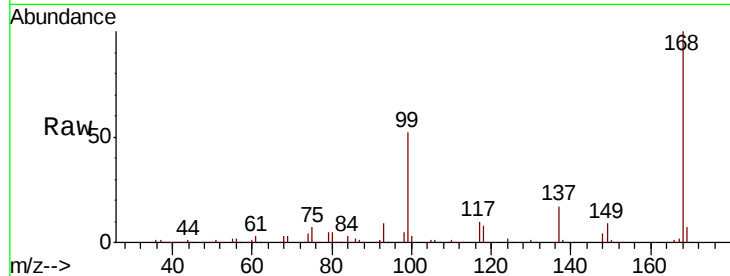
Tot Ion:117 Resp: 18963

Ion Ratio Lower Upper

117 100

119 4.6 74.2 111.2#

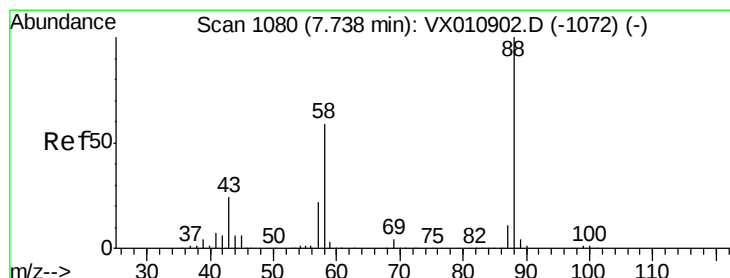
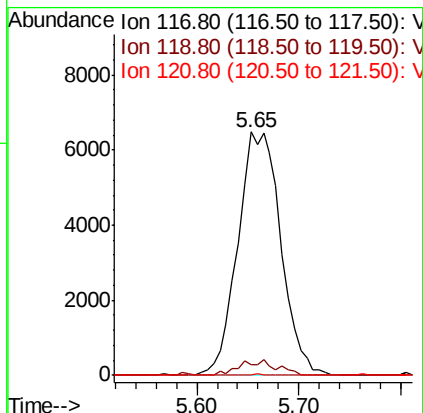
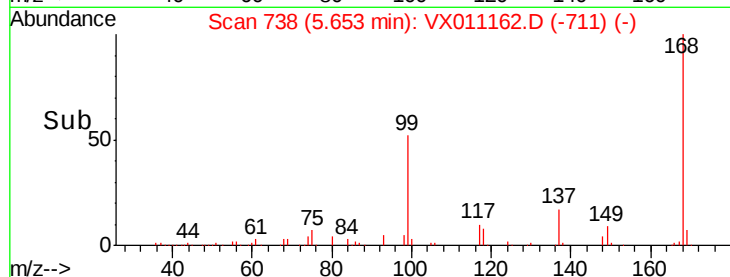
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 0.644 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

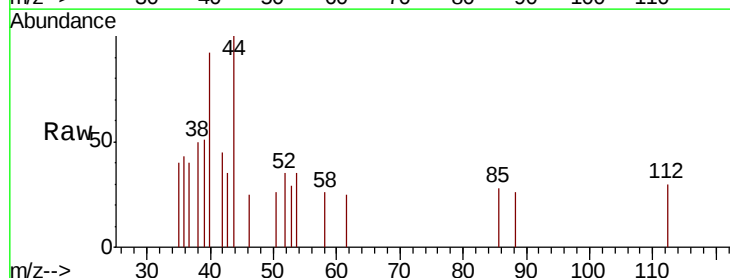
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 205.1 22.9 34.3#

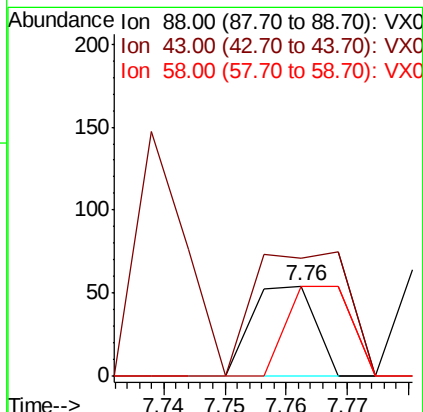
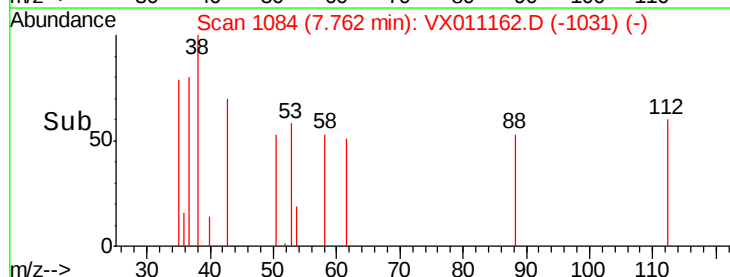
58 102.6 49.8 74.8#

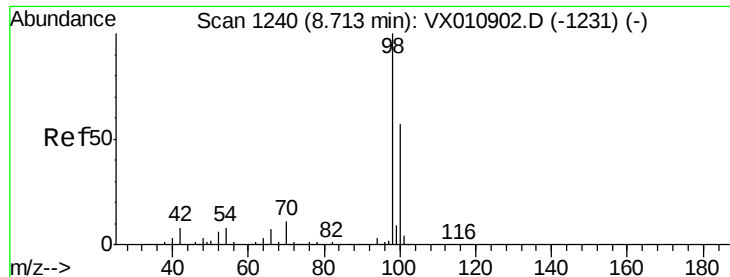


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.809 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

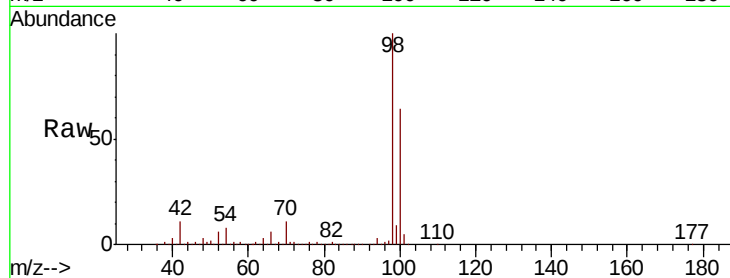
VX0729WBL02

Tot Ion: 98 Resp: 396247

Ion Ratio Lower Upper

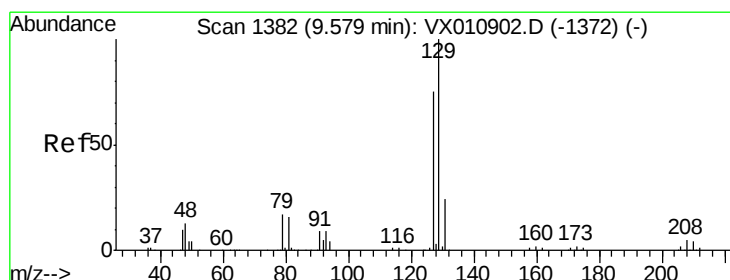
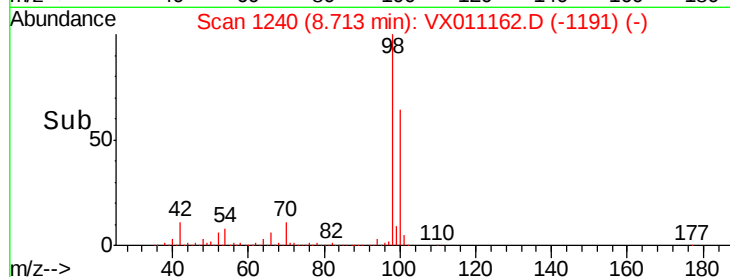
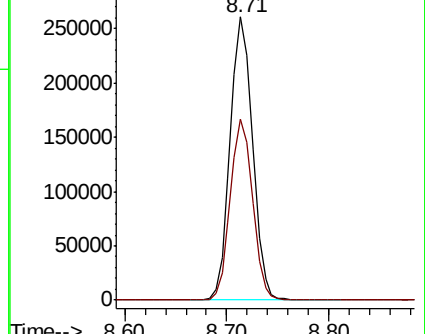
98 100

100 63.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 2.554 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX011162.D

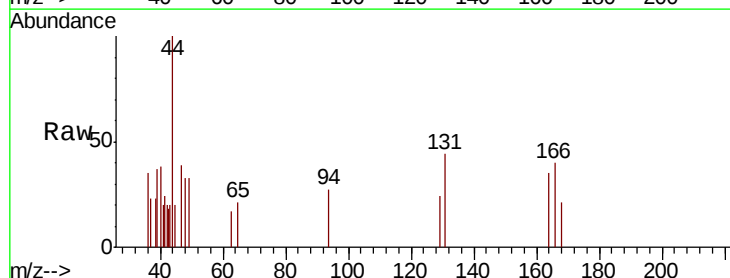
Acq: 29 Jul 2019 22:49

Tgt Ion: 129 Resp: 69

Ion Ratio Lower Upper

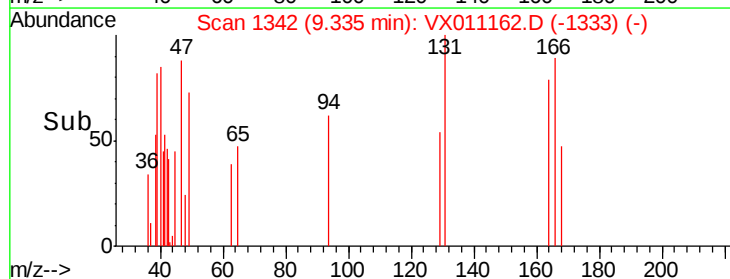
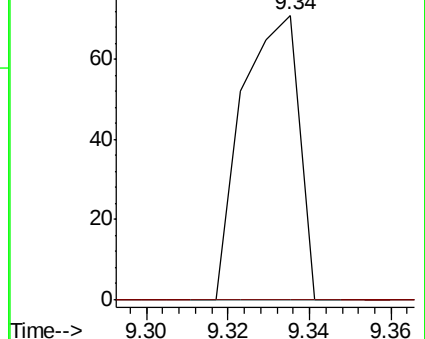
129 100

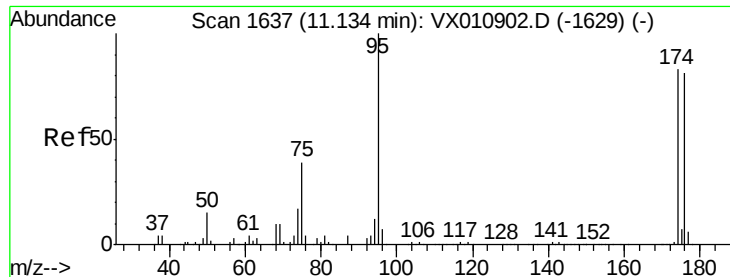
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 49.213 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBL02

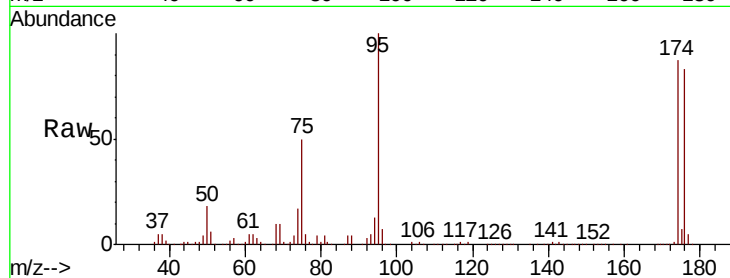
Tot Ion: 95 Resp: 138351

Ion Ratio Lower Upper

95 100

174 92.0 0.0 180.6

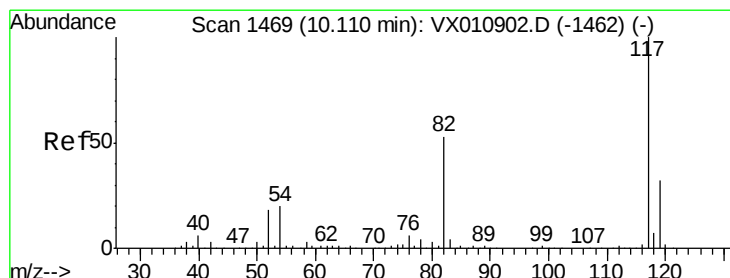
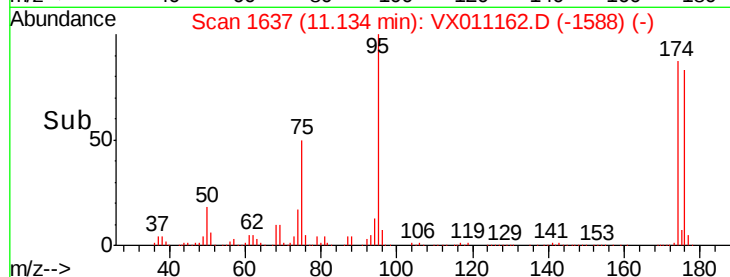
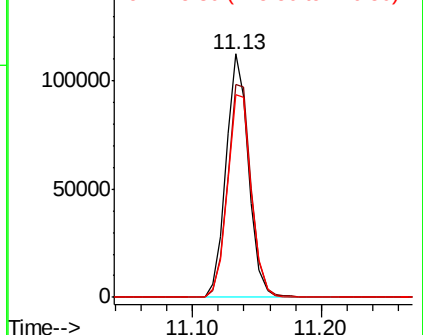
176 88.5 0.0 173.8



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: VX011162.D

Acq: 29 Jul 2019 22:49

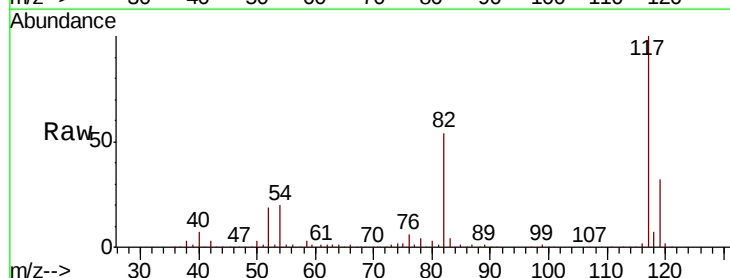
Tgt Ion: 117 Resp: 305389

Ion Ratio Lower Upper

117 100

82 53.7 42.6 63.8

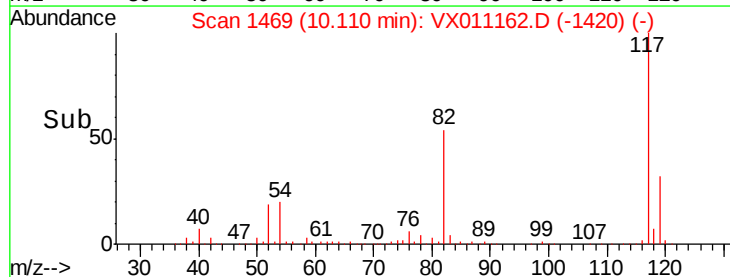
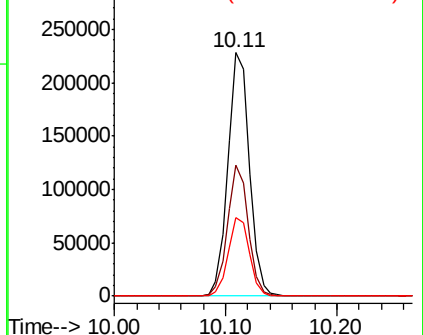
119 32.1 25.9 38.9

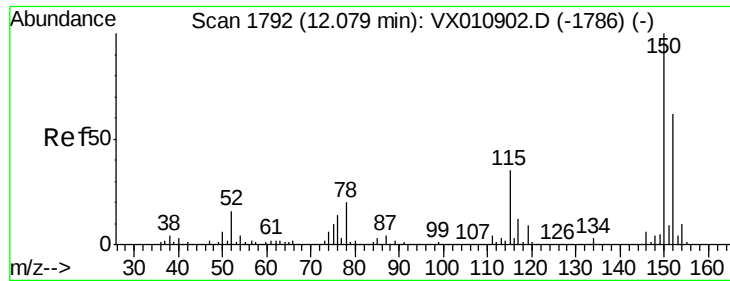


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



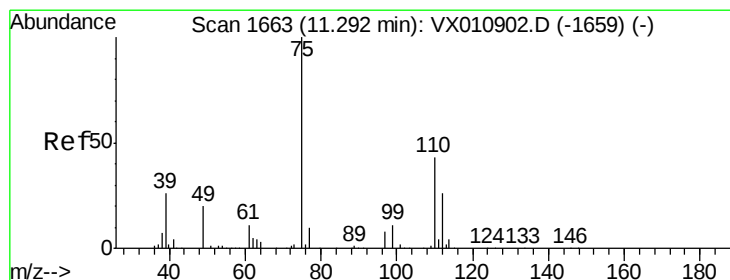
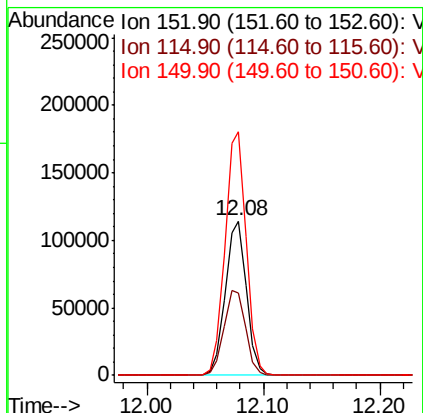
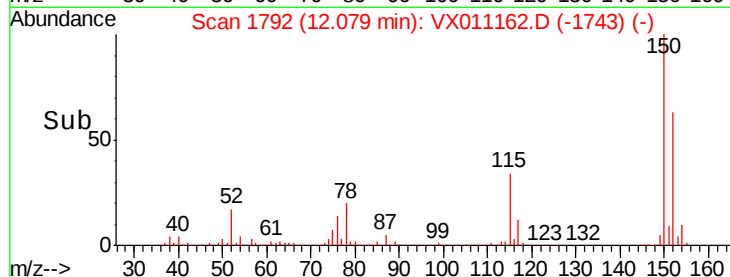
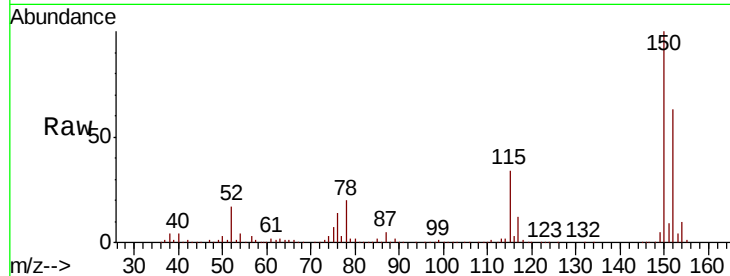


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011162.D
Acq: 29 Jul 2019 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBL02

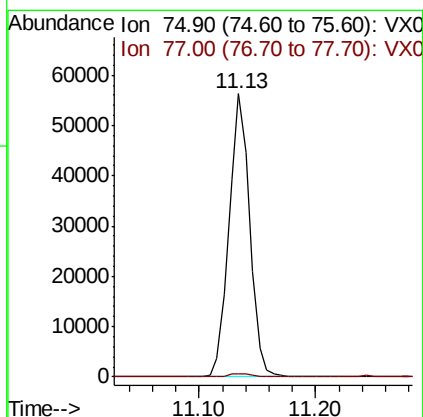
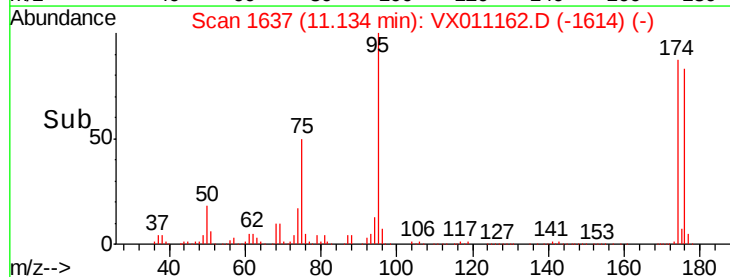
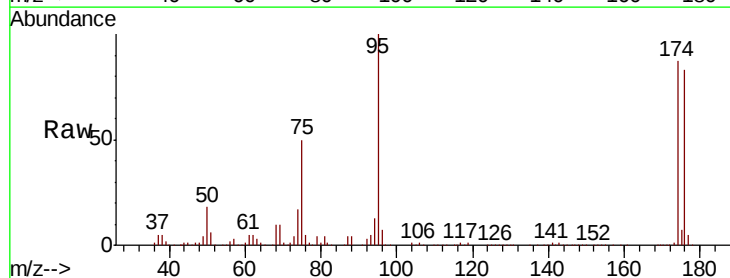
Tot Ion:152 Resp: 142613
Ion Ratio Lower Upper
152 100
115 56.7 39.7 119.1
150 158.8 0.0 345.6

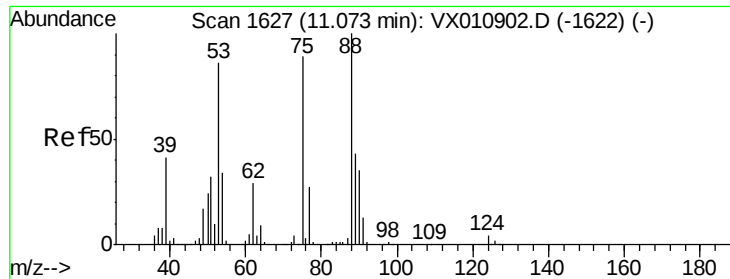


#76

1,2,3-Trichloropropane
Concen: 27.068 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011162.D
Acq: 29 Jul 2019 22:49

Tgt Ion: 75 Resp: 69659
Ion Ratio Lower Upper
75 100
77 1.4 21.3 64.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 67.098 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011162.D

Acq: 29 Jul 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBL02

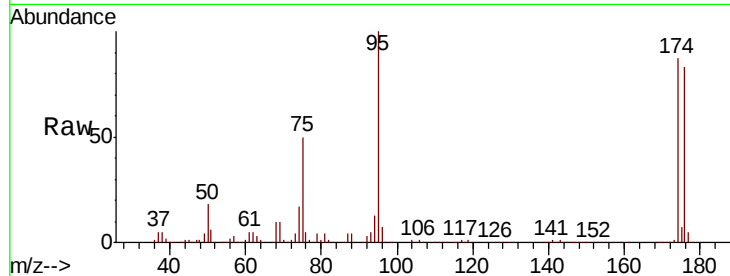
Tot Ion: 75 Resp: 69659

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#



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

