

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\
 Data File : VX011155.D
 Acq On : 29 Jul 2019 18:56
 Operator : JC/SP
 Sample : K4014-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-072519

Quant Time: Jul 30 05:08:40 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	5.66	168	181105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294801	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130843	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	101917	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	5.50	113	93052	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	8.71	98	358308	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.13	95	125382	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

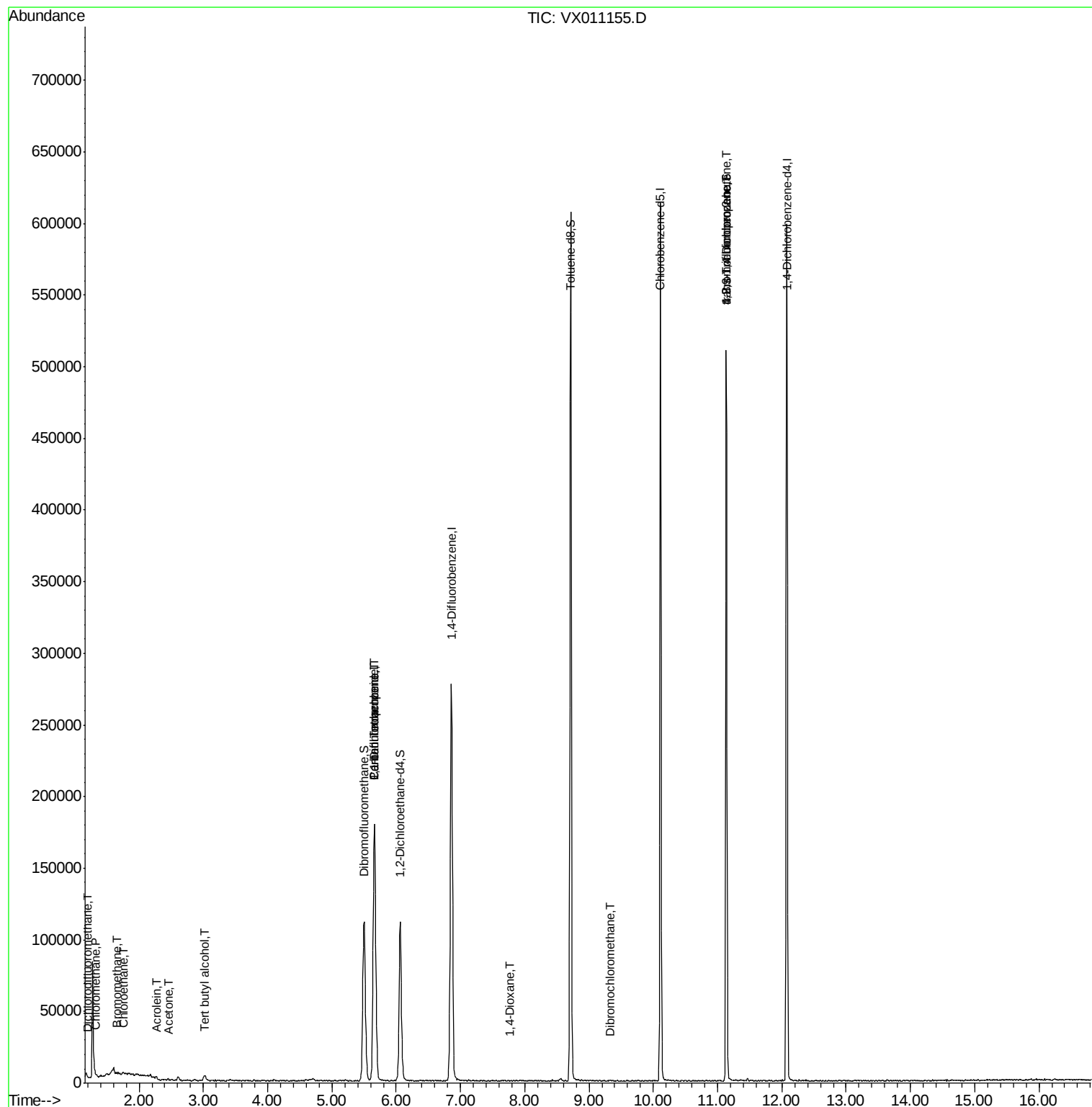
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	20	0.557	ug/l #	1
3) Chloromethane	1.33	50	411	0.247	ug/l	89
5) Bromomethane	1.65	94	269	0.281	ug/l #	49
6) Chloroethane	1.75	64	412	0.382	ug/l #	42
11) Tert butyl alcohol	3.01	59	2714	6.049	ug/l #	87
13) Acrolein	2.27	56	190	0.733	ug/l #	69
16) Acetone	2.45	43	1708	1.963	ug/l #	81
36) 1,1-Dichloropropene	5.66	75	12158	5.021	ug/l #	48
38) Carbon Tetrachloride	5.67	117	17198	6.816	ug/l #	17
49) 1,4-Dioxane	7.77	88	38	0.684	ug/l #	1
60) Dibromochloromethane	9.33	129	36	2.543	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	63352	26.831	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	63352	66.547	ug/l #	11

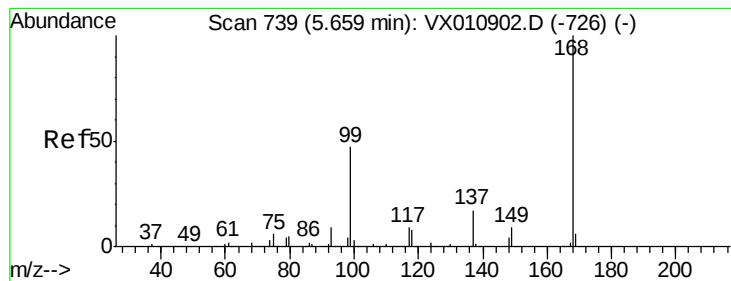
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampled :

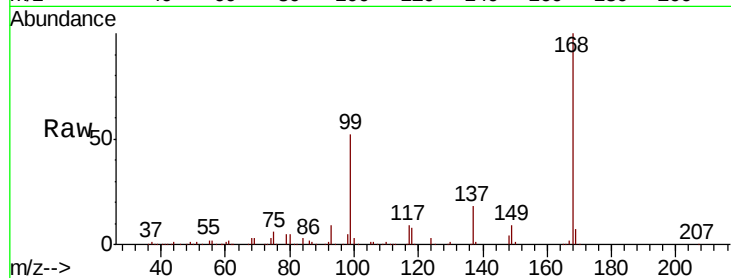
FB-072519

Tot Ion:168 Resp: 181105

Ion Ratio Lower Upper

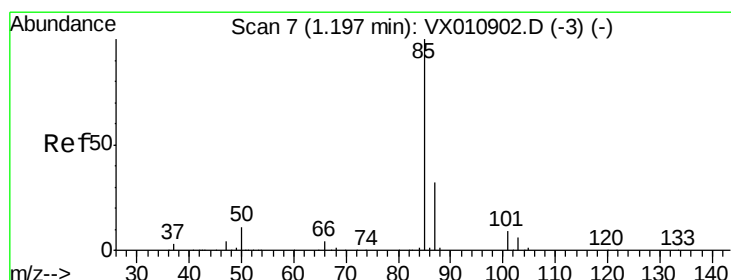
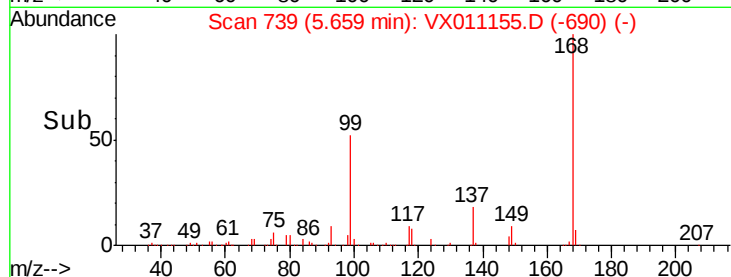
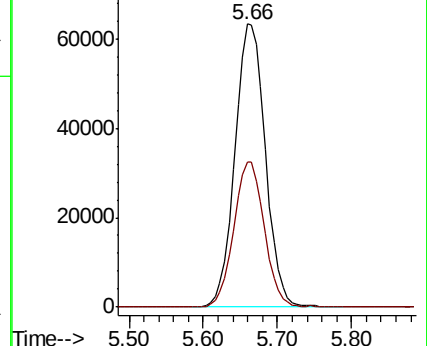
168 100

99 51.5 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: 0.557 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX011155.D

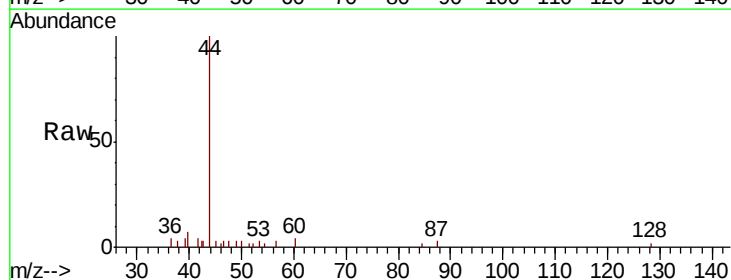
Acq: 29 Jul 2019 18:56

Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

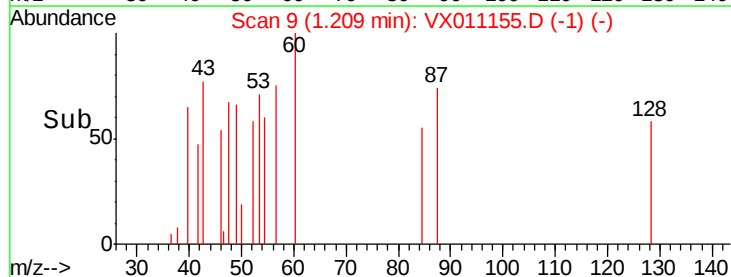
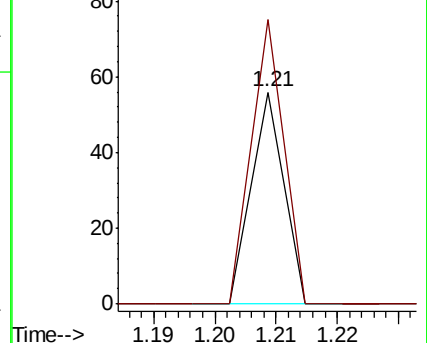
85 100

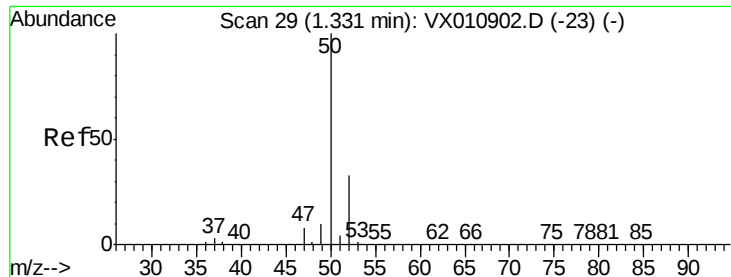
87 133.9 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampled :

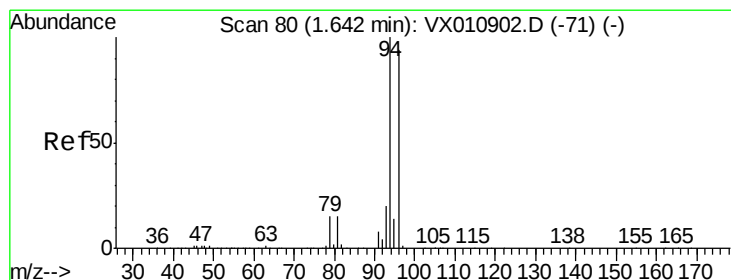
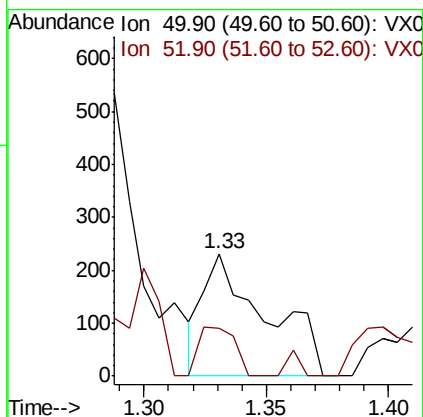
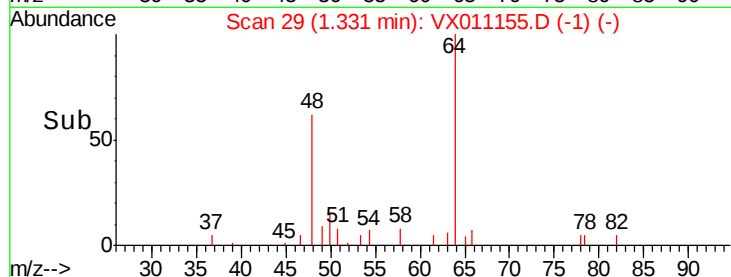
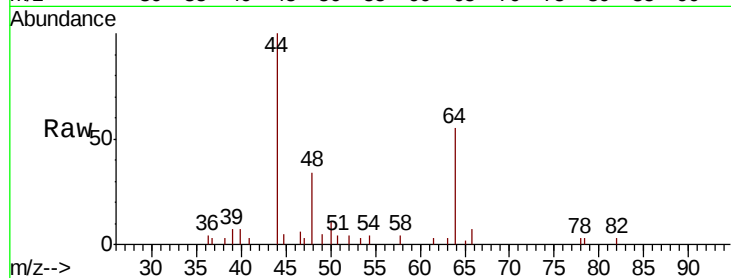
FB-072519

Tot Ion: 50 Resp: 411

Ion Ratio Lower Upper

50 100

52 39.2 26.4 39.6



#5

Bromomethane

Concen: 0.281 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011155.D

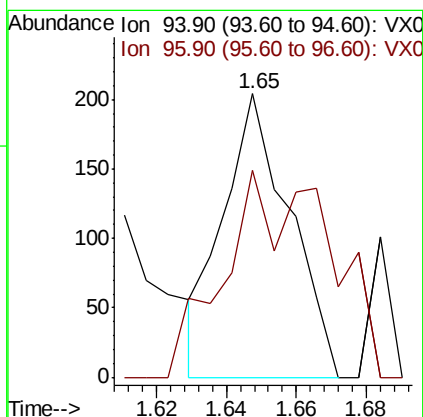
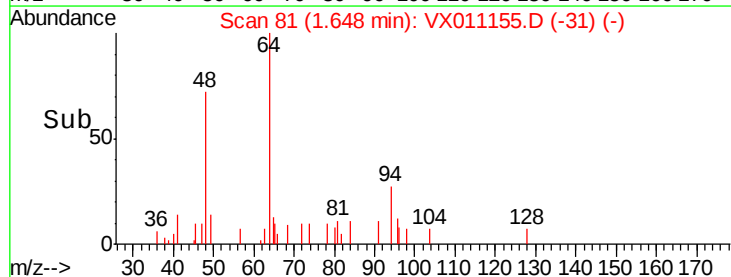
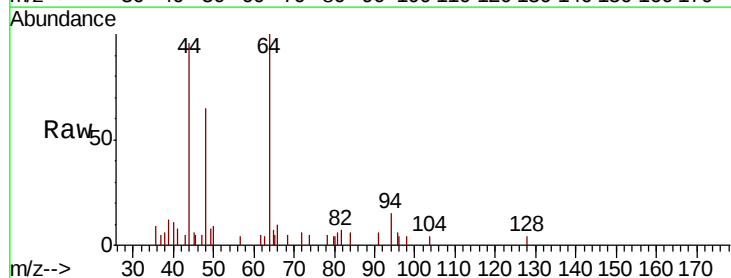
Acq: 29 Jul 2019 18:56

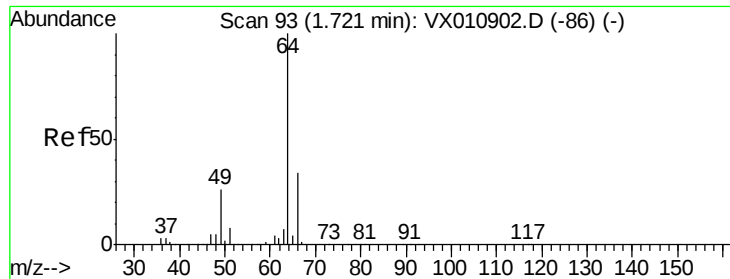
Tgt Ion: 94 Resp: 269

Ion Ratio Lower Upper

94 100

96 45.1 75.6 113.4#





#6

Chloroethane

Concen: 0.382 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

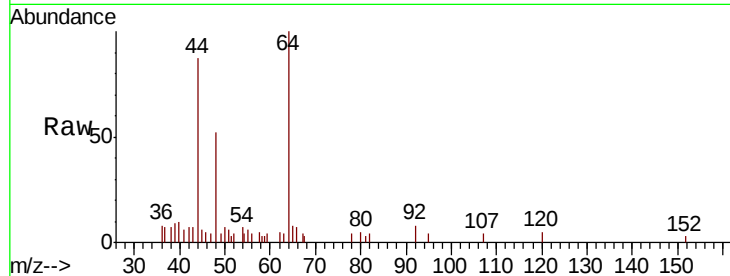
FB-072519

Tot Ion: 64 Resp: 412

Ion Ratio Lower Upper

64 100

66 0.8 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

1500

1000

500

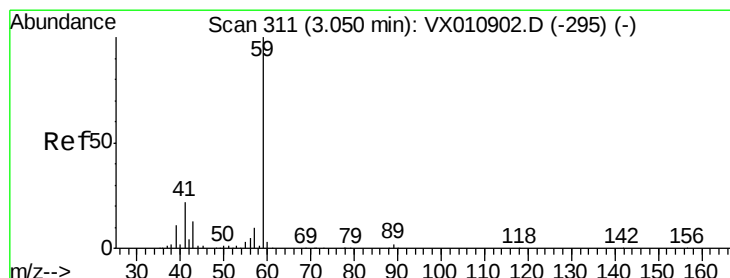
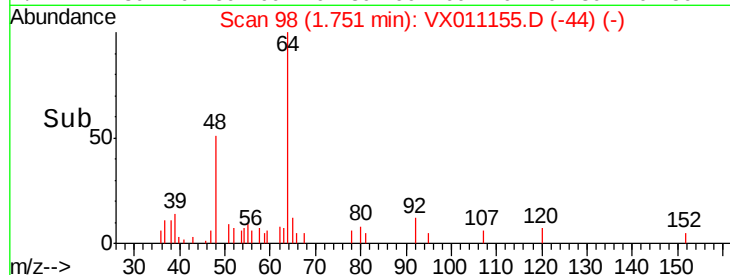
0

Time-->

1.72

1.74

1.76



#11

Tert butyl alcohol

Concen: 6.049 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX011155.D

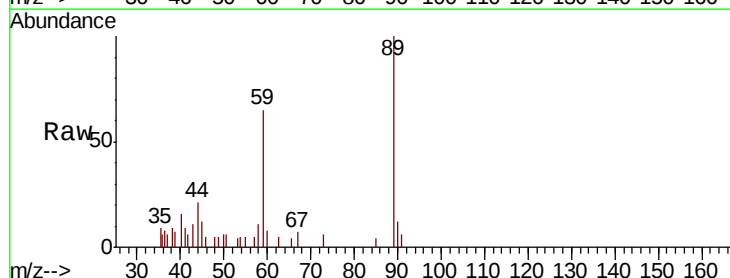
Acq: 29 Jul 2019 18:56

Tgt Ion: 59 Resp: 2714

Ion Ratio Lower Upper

59 100

57 5.2 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1000

800

600

400

200

0

Time-->

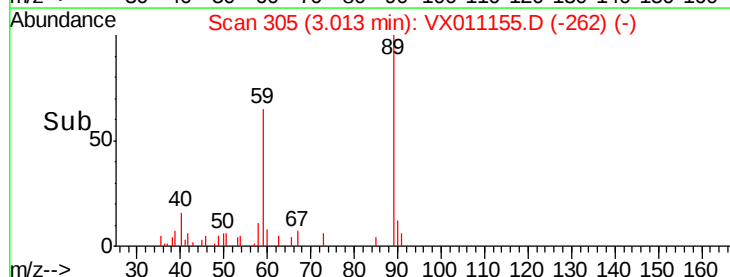
2.90

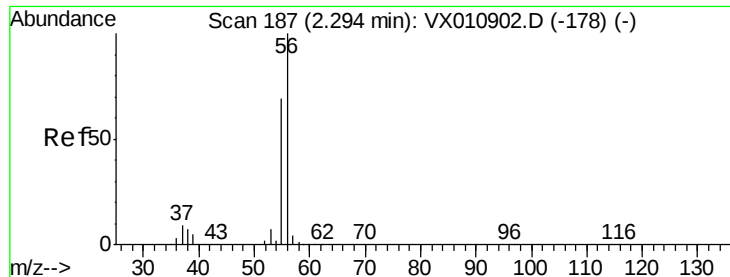
2.95

3.00

3.05

3.10

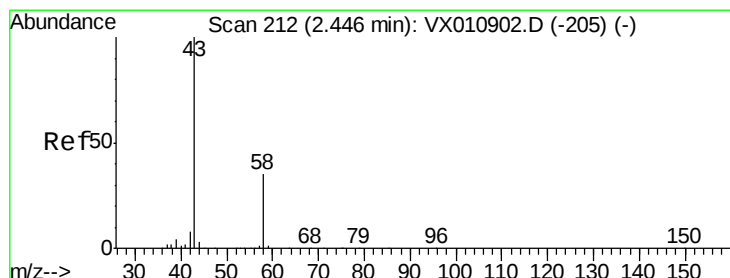
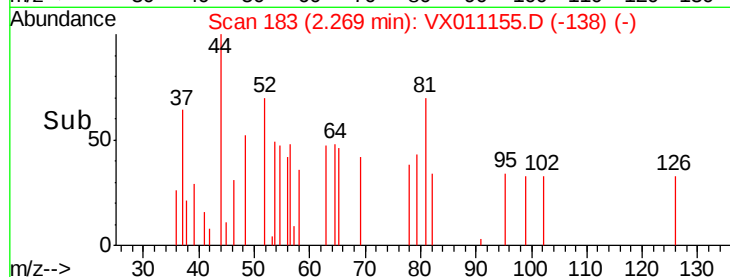
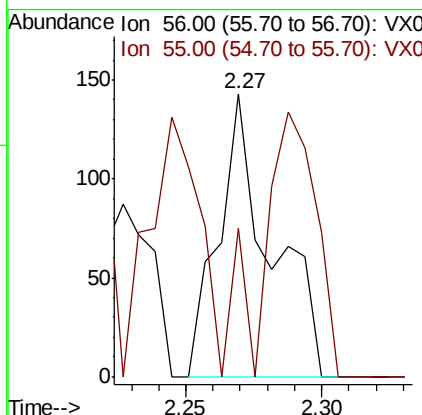
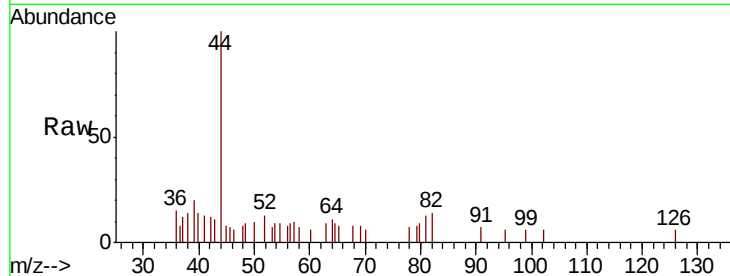




#13
Acrolein
Concen: 0.733 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX011155.D
Acq: 29 Jul 2019 18:56

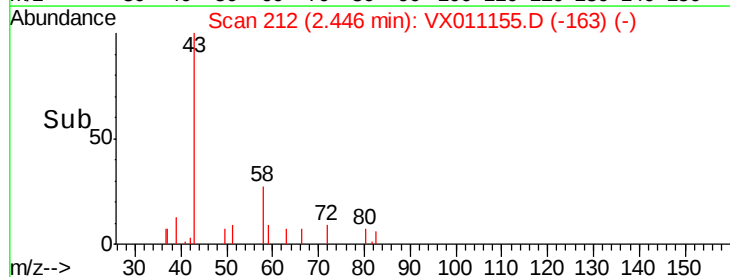
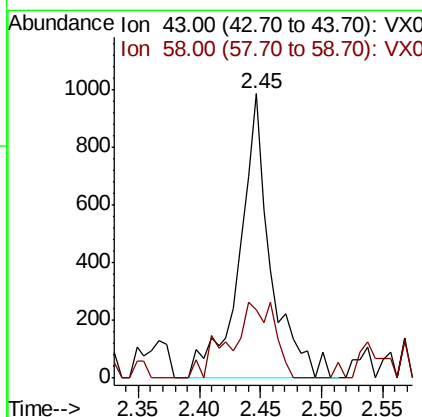
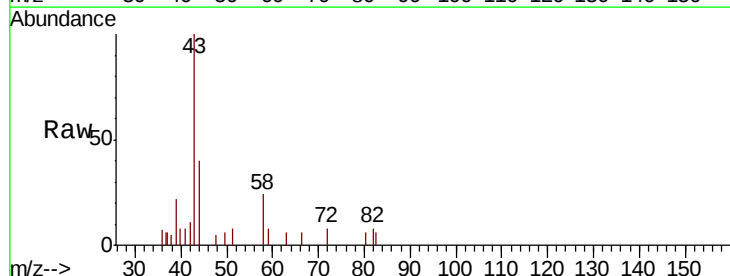
Instrument :
MSVOA_X
ClientSampled :
FB-072519

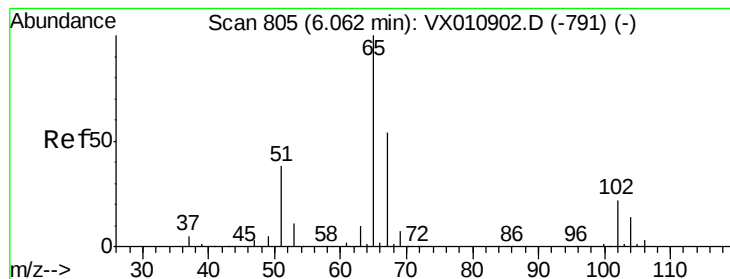
Tot Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 95.3 55.9 83.9#



#16
Acetone
Concen: 1.963 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX011155.D
Acq: 29 Jul 2019 18:56

Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
58 23.9 27.7 41.5#





#33

1,2-Dichloroethane-d4

Concen: 52.898 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

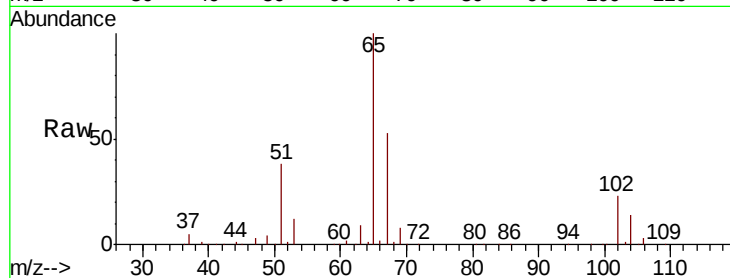
FB-072519

Tot Ion: 65 Resp: 101917

Ion Ratio Lower Upper

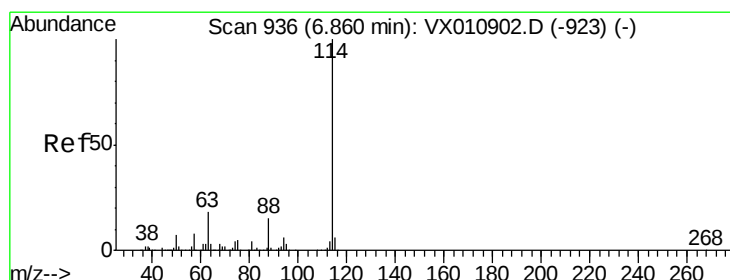
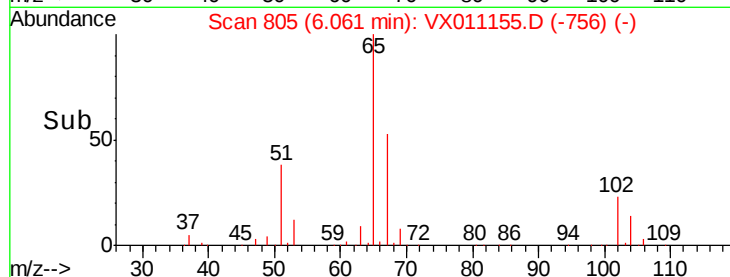
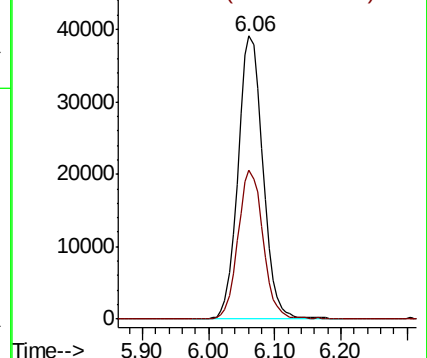
65 100

67 52.8 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: VX011155.D

Acq: 29 Jul 2019 18:56

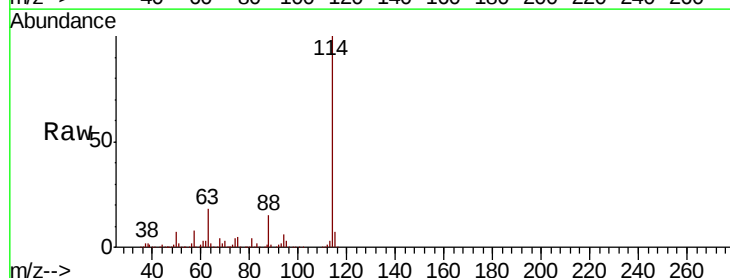
Tgt Ion: 114 Resp: 294801

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

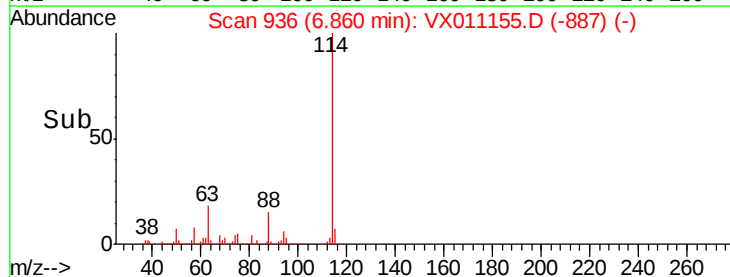
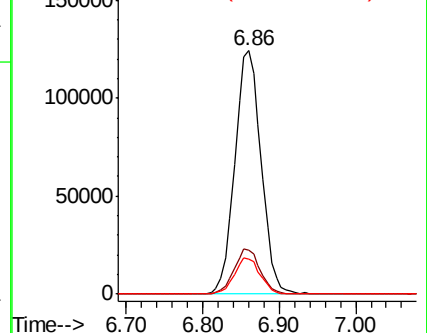
88 14.5 0.0 29.8

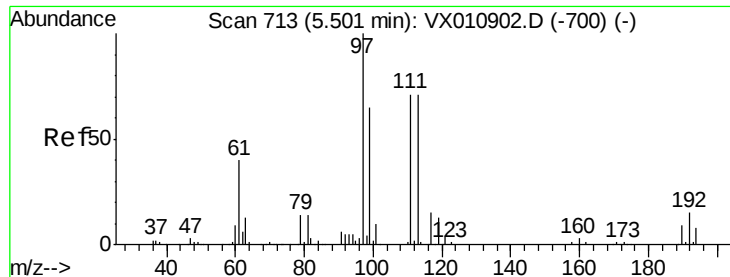


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.729 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

FB-072519

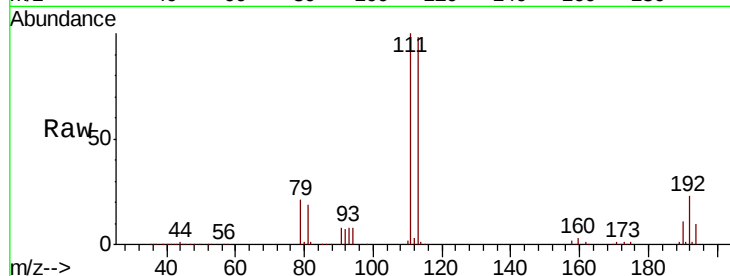
Tot Ion:113 Resp: 93052

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

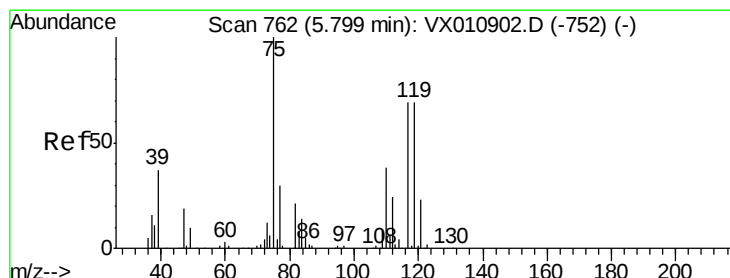
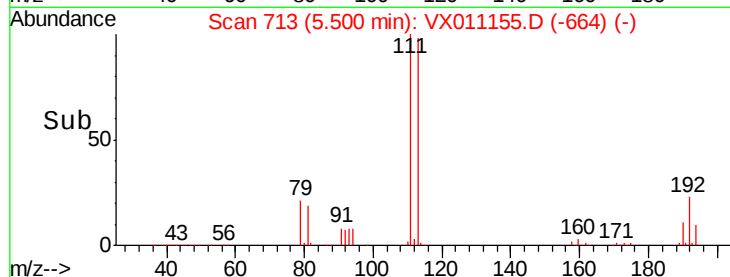
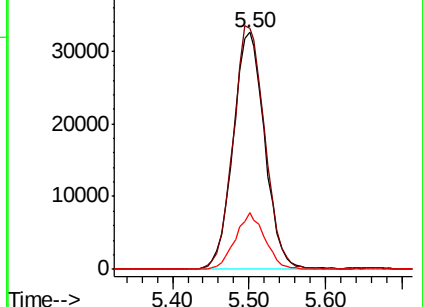
192 22.3 17.4 26.2



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: 5.021 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

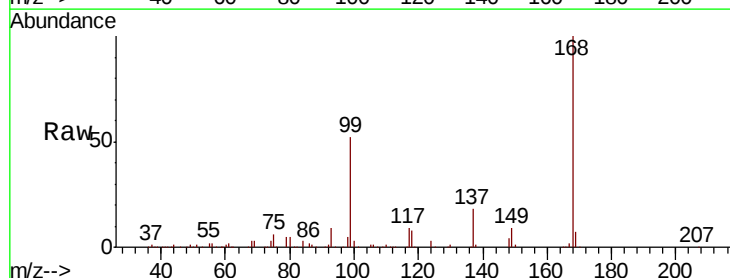
Tgt Ion: 75 Resp: 12158

Ion Ratio Lower Upper

75 100

110 10.0 19.9 59.7#

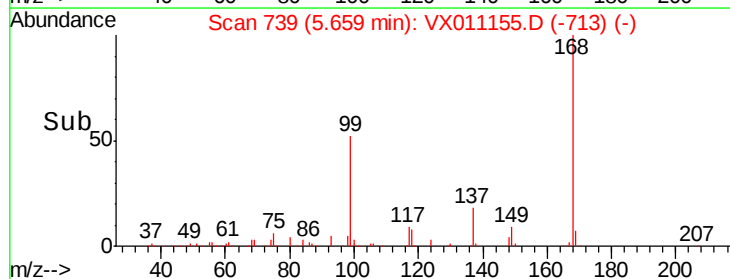
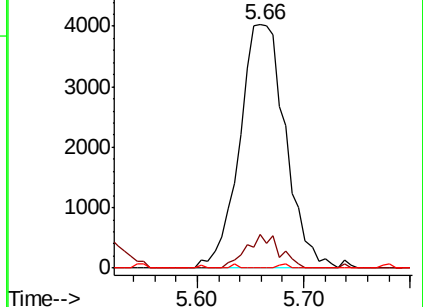
77 0.0 25.0 37.4#

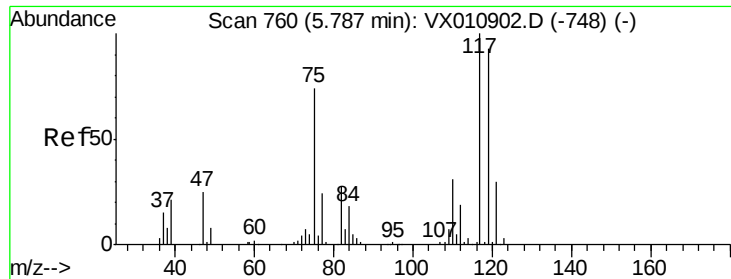


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.816 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampled :

FB-072519

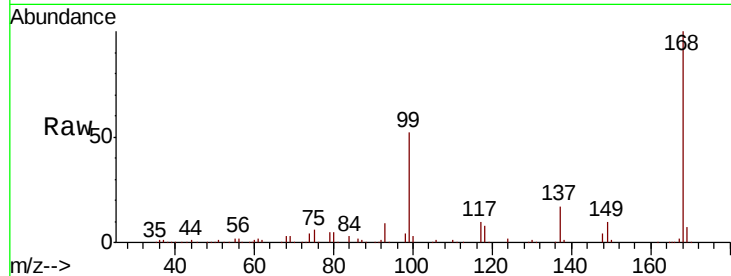
Tot Ion:117 Resp: 17198

Ion Ratio Lower Upper

117 100

119 4.3 74.2 111.2#

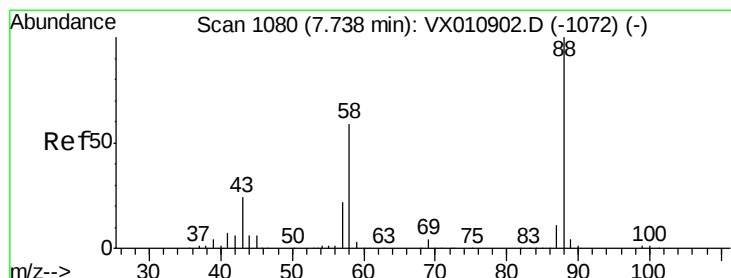
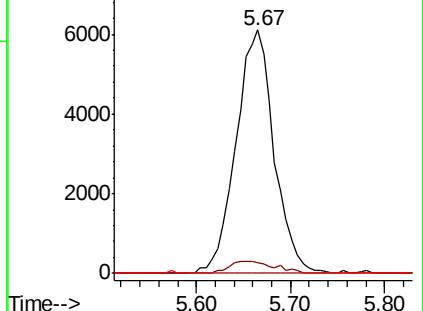
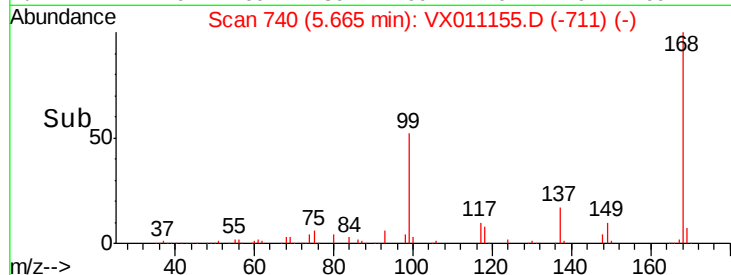
121 0.0 24.2 36.2#



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: 0.684 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.04 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

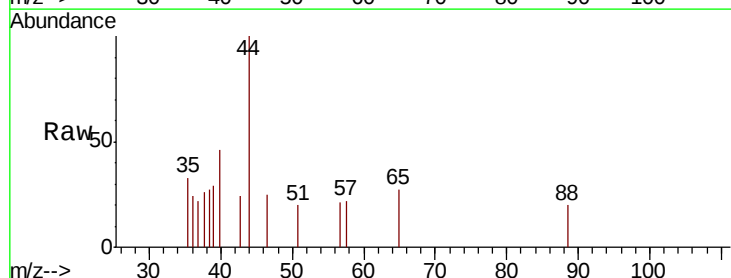
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 402.6 22.9 34.3#

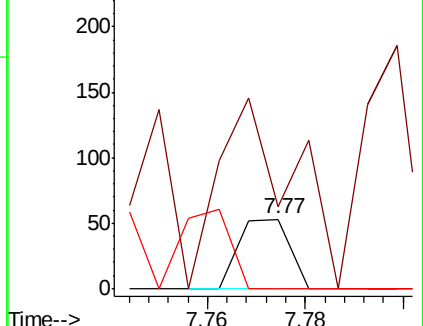
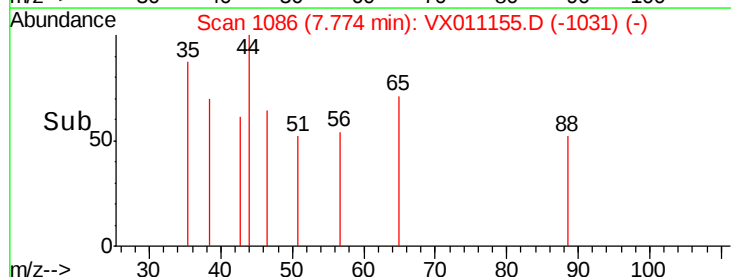
58 110.5 49.8 74.8#

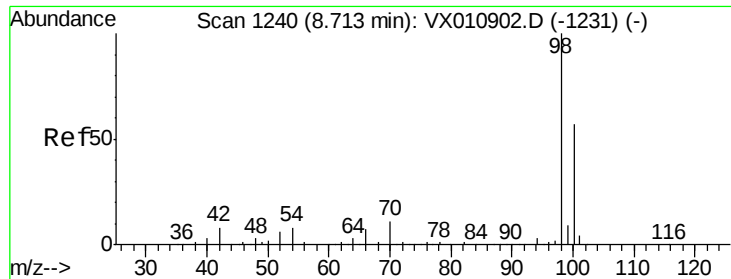


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.055 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

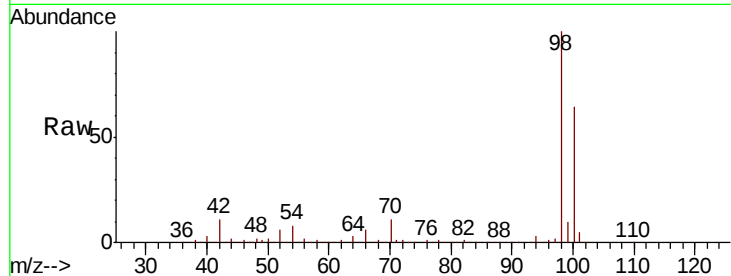
FB-072519

Tot Ion: 98 Resp: 358308

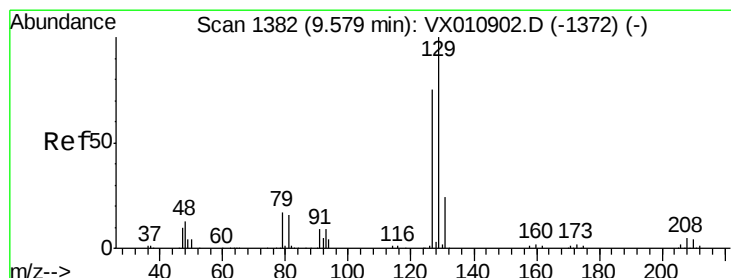
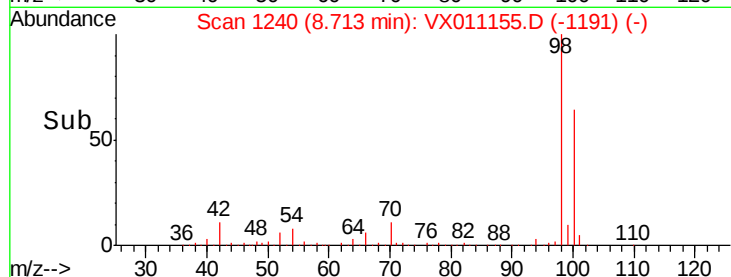
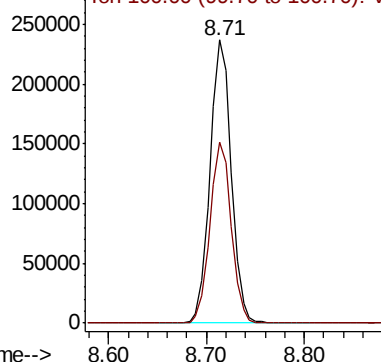
Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX010902.D (-1231) (-)



#60

Dibromochloromethane

Concen: 2.543 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX011155.D

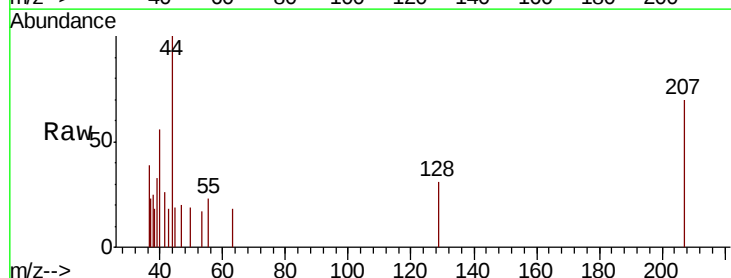
Acq: 29 Jul 2019 18:56

Tgt Ion: 129 Resp: 36

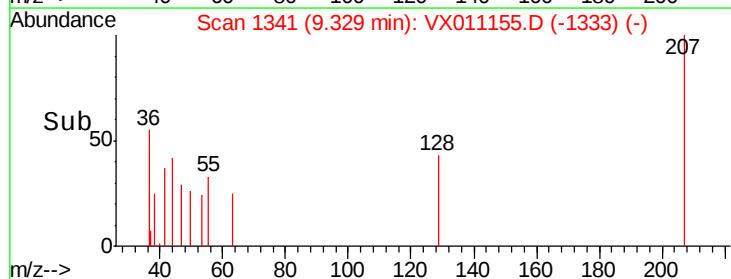
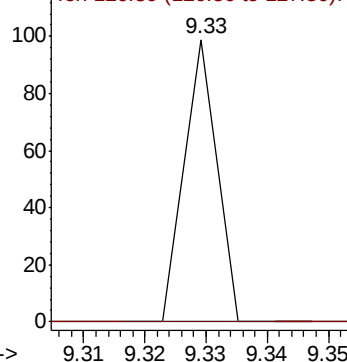
Ion Ratio Lower Upper

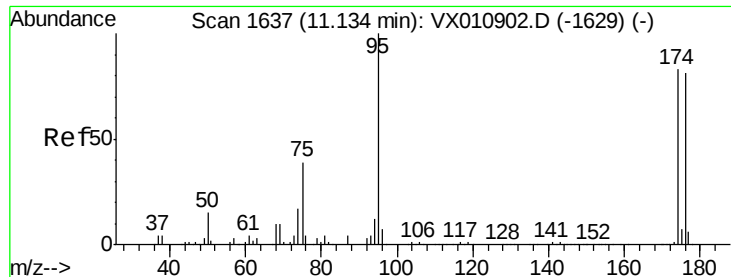
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VX010902.D (-1372) (-)





#62

4-Bromofluorobenzene

Concen: 48.605 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

FB-072519

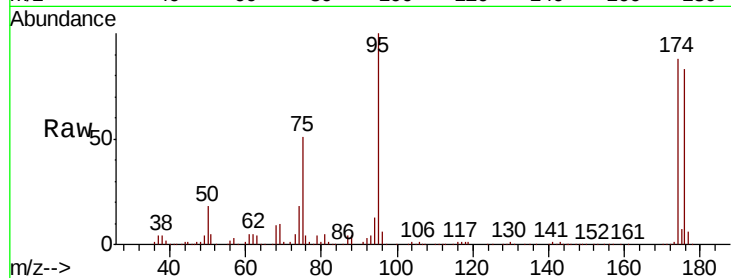
Tot Ion: 95 Resp: 125382

Ion Ratio Lower Upper

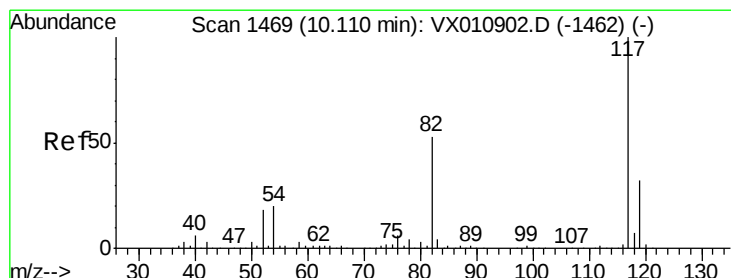
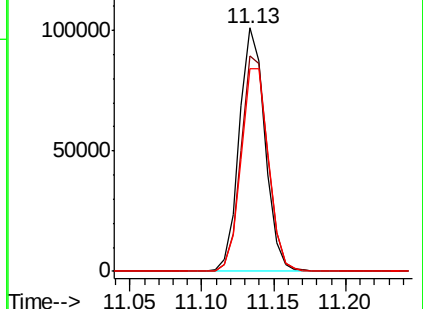
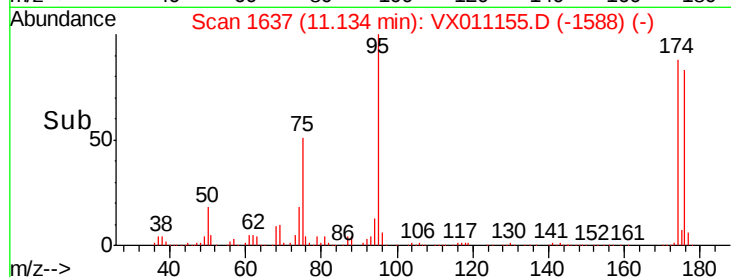
95 100

174 91.6 0.0 180.6

176 88.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011155.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

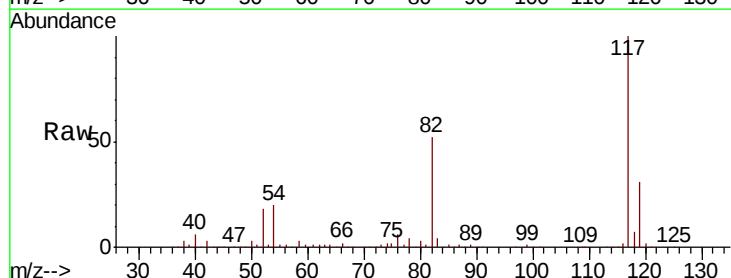
Tgt Ion: 117 Resp: 279147

Ion Ratio Lower Upper

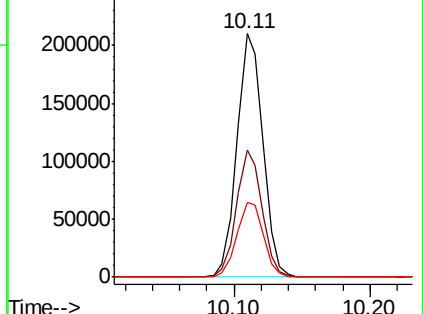
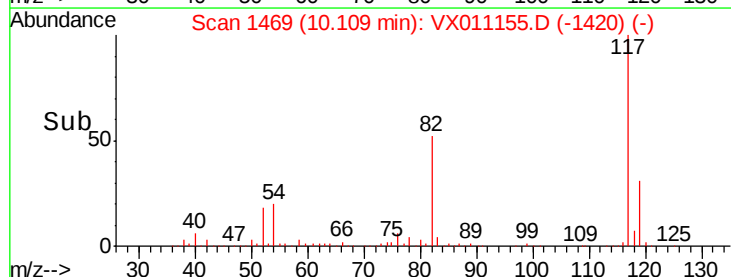
117 100

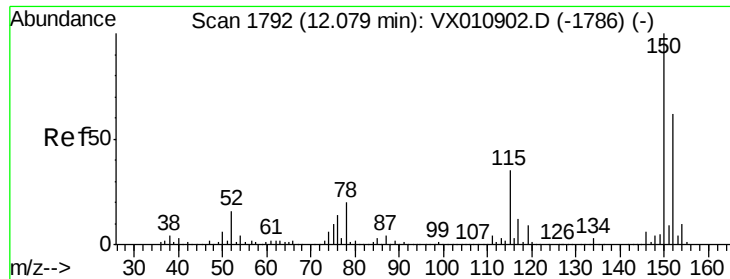
82 52.3 42.6 63.8

119 30.9 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): VX011155.D (-1420) (-)



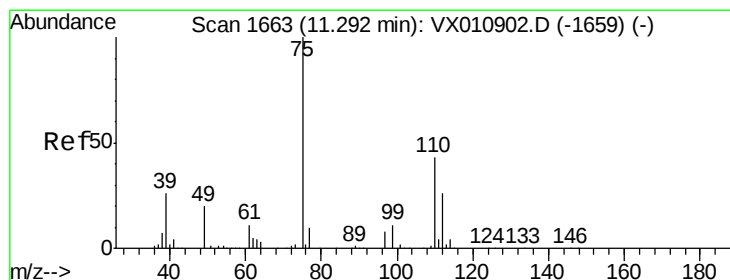
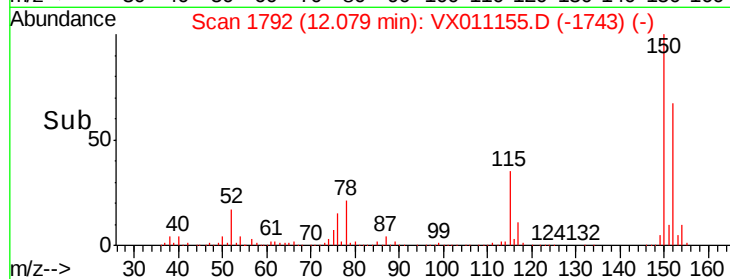
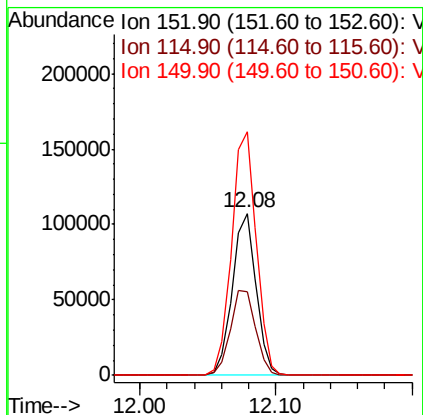
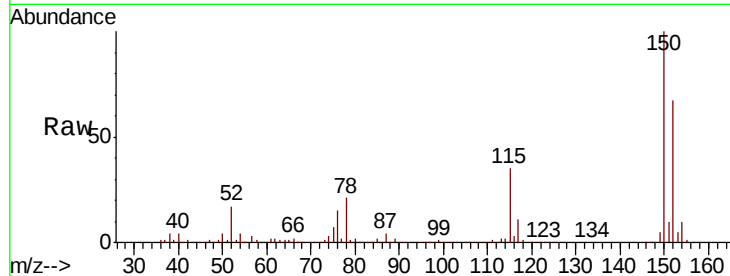


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011155.D
Acq: 29 Jul 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :
FB-072519

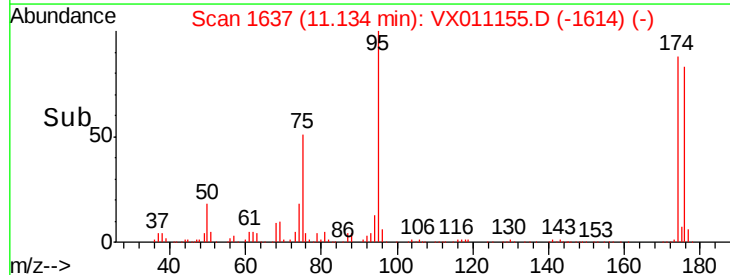
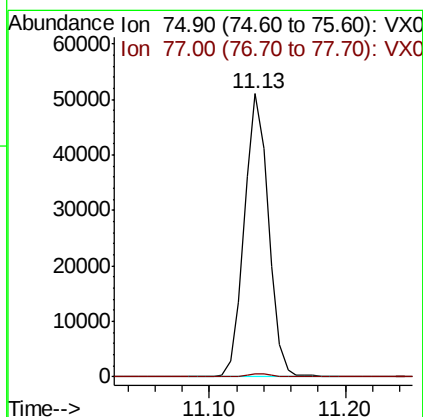
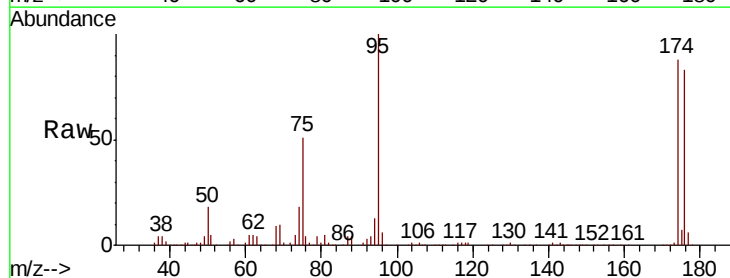
Tot Ion:152 Resp: 130843
Ion Ratio Lower Upper
152 100
115 55.9 39.7 119.1
150 155.8 0.0 345.6

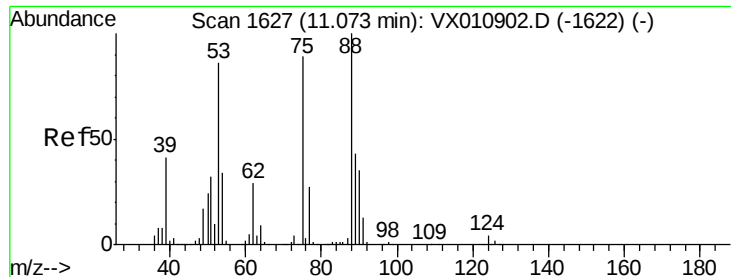


#76

1,2,3-Trichloropropane
Concen: 26.831 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011155.D
Acq: 29 Jul 2019 18:56

Tgt Ion: 75 Resp: 63352
Ion Ratio Lower Upper
75 100
77 1.2 21.3 64.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.547 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011155.D

Acq: 29 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

FB-072519

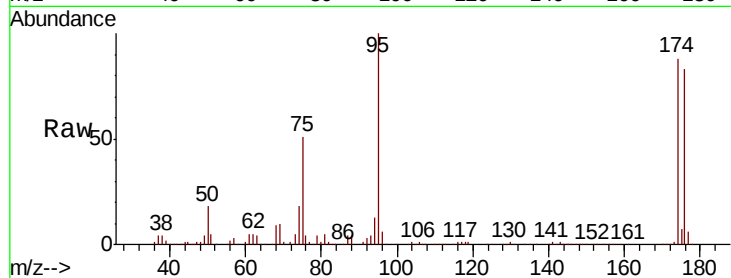
Tot Ion: 75 Resp: 63352

Ion Ratio Lower Upper

75 100

53 0.1 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

