

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009925.D
 Acq On : 28 May 2019 19:17
 Operator : JC/SP
 Sample : K3038-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-TB01-190522

Quant Time: May 29 04:13:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	180308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107370	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	122186	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.94%		
35) Dibromofluoromethane	5.50	113	88813	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.12%		
50) Toluene-d8	8.71	98	370200	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.70%		
62) 4-Bromofluorobenzene	11.13	95	120860	45.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.62%		

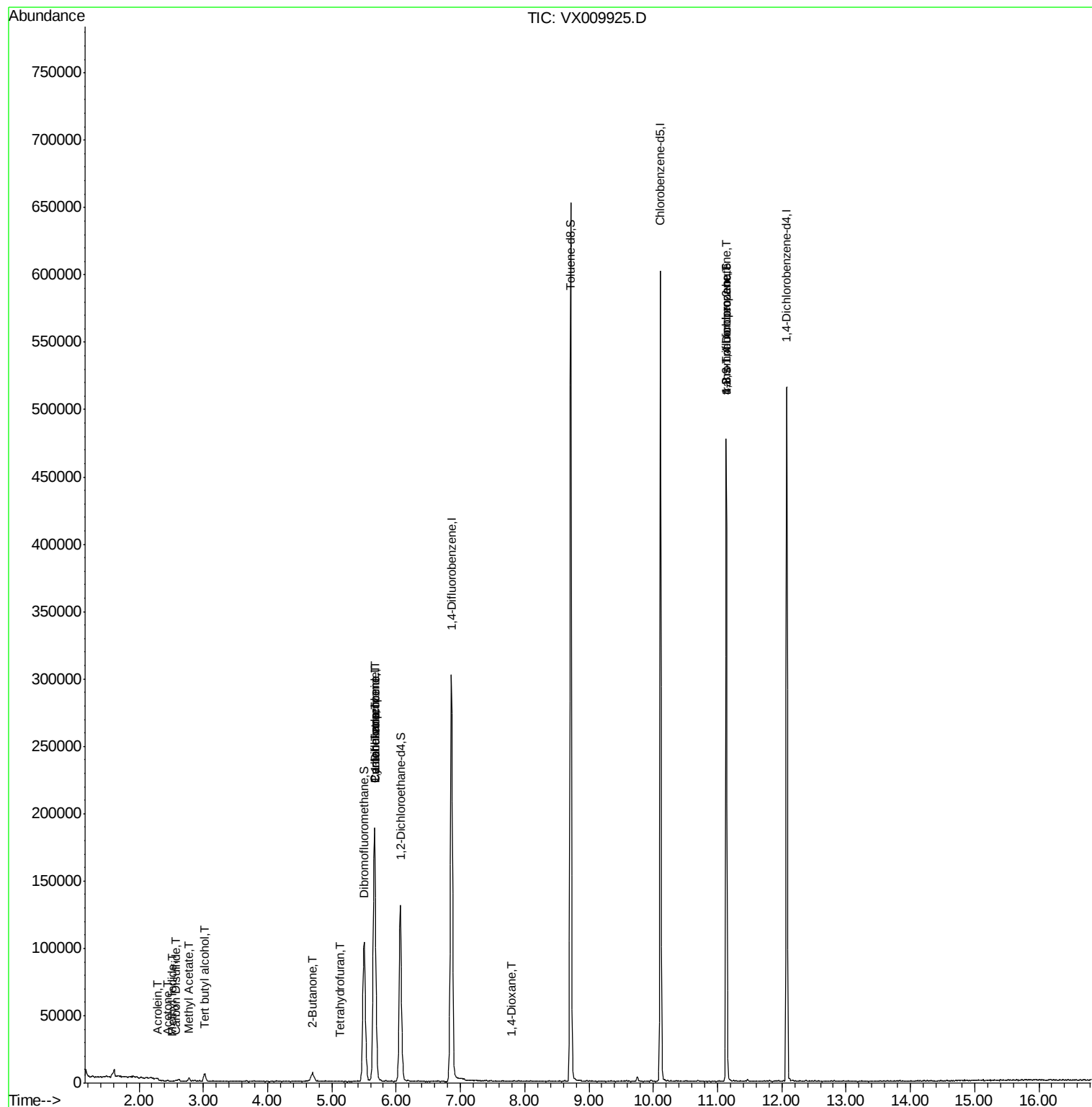
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	104	4.699	ug/l #	62
11) Tert butyl alcohol	3.01	59	4049	6.460	ug/l #	76
13) Acrolein	2.29	56	99	21.301	ug/l #	1
16) Acetone	2.45	43	988	0.671	ug/l #	83
17) Carbon Disulfide	2.57	76	590	0.491	ug/l #	1
18) Methyl Acetate	2.78	43	4202	1.227	ug/l	97
25) 2-Butanone	4.69	43	545	0.238	ug/l #	54
29) Tetrahydrofuran	5.13	42	321	0.218	ug/l #	51
31) Cyclohexane	5.67	56	3905	1.007	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14729	4.990	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17071	6.693	ug/l #	17
49) 1,4-Dioxane	7.81	88	19	0.311	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	64183	24.998	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64183	61.848	ug/l #	10

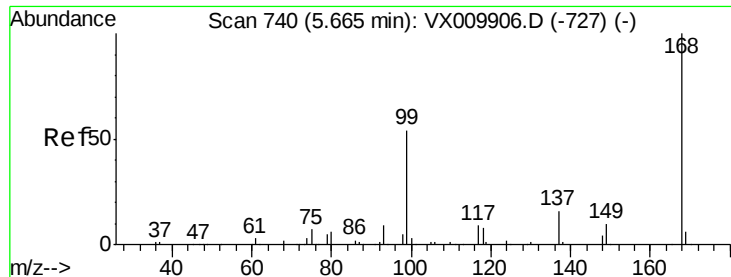
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 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: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

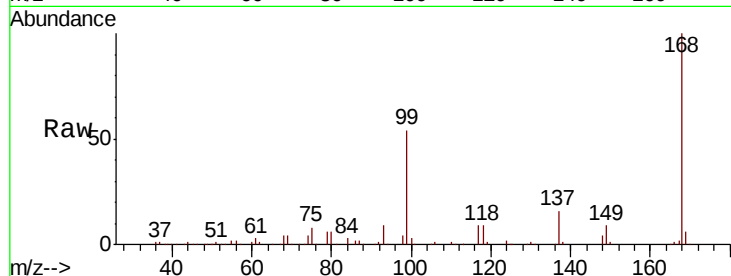
Z1-TB01-190522

Tot Ion:168 Resp: 180308

Ion Ratio Lower Upper

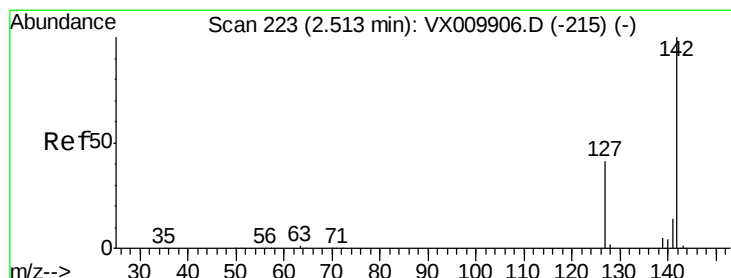
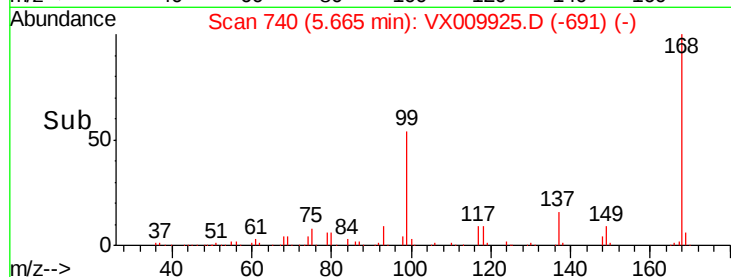
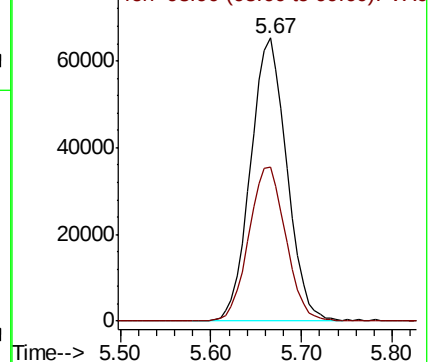
168 100

99 54.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.699 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

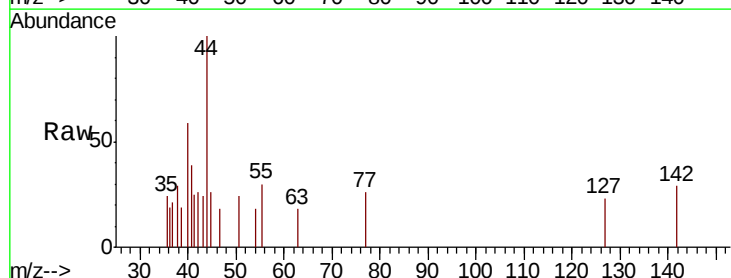
Tgt Ion:142 Resp: 104

Ion Ratio Lower Upper

142 100

127 65.4 33.0 49.4#

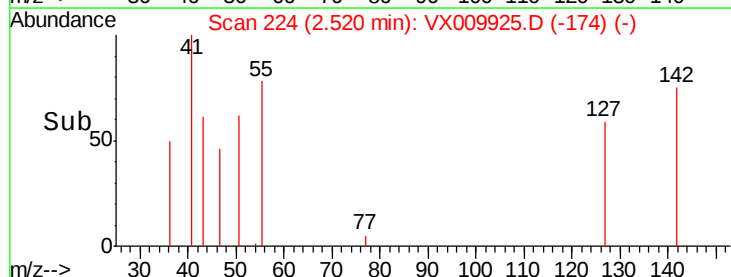
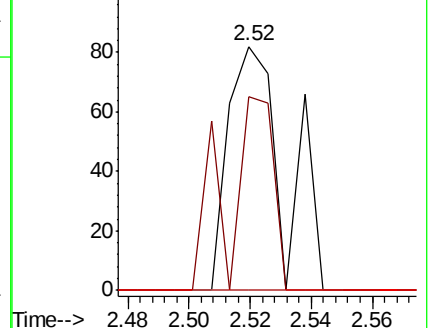
141 0.0 11.4 17.0#

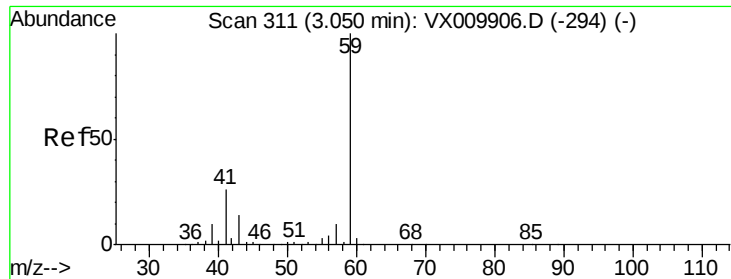


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

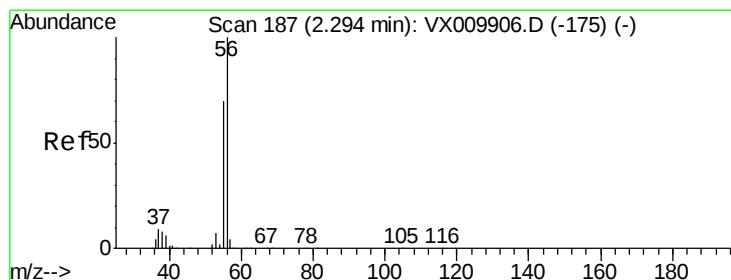
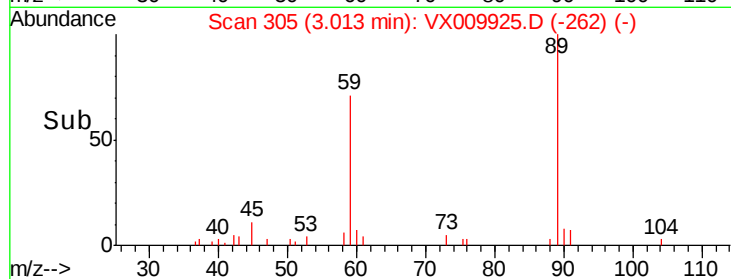
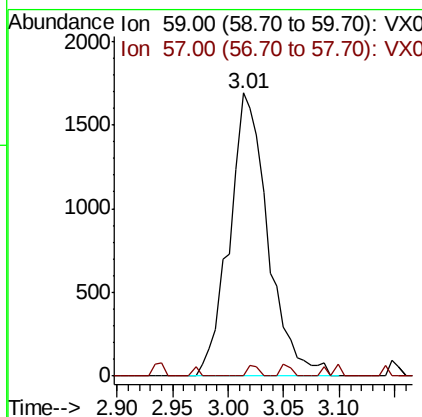
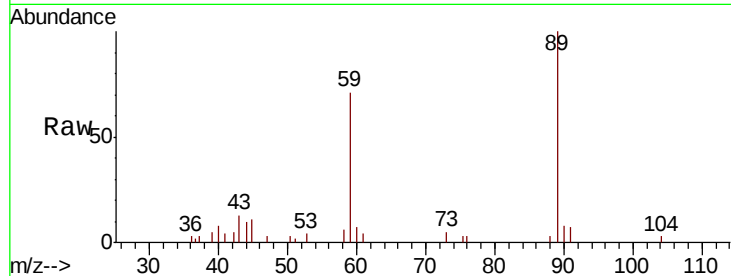




#11
Tert butyl alcohol
Concen: 6.460 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009925.D
Acq: 28 May 2019 19:17

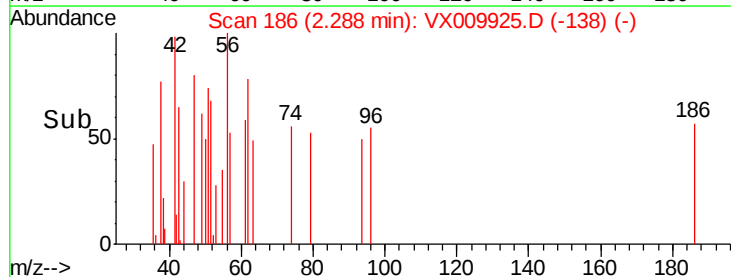
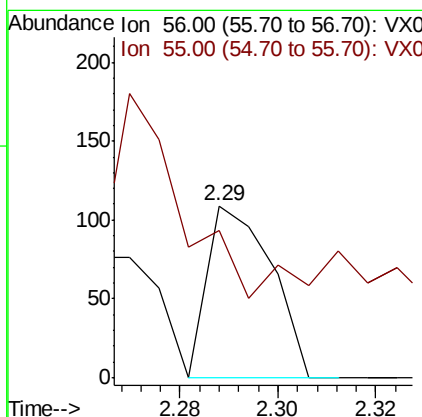
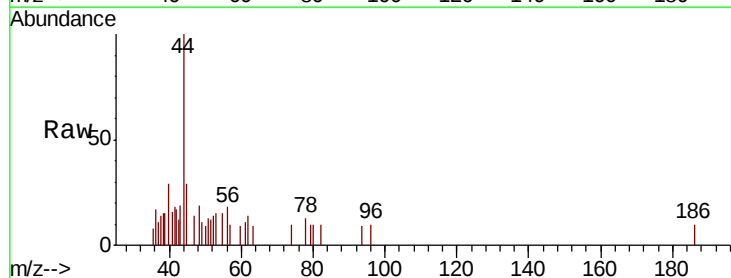
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB01-190522

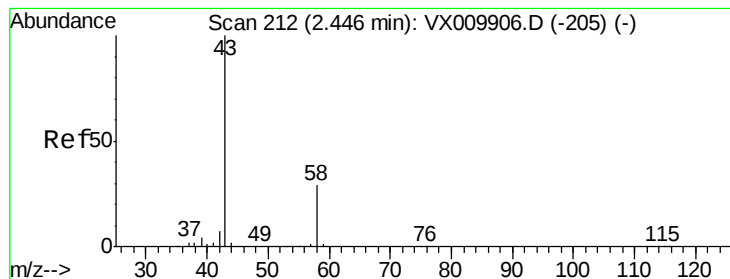
Tot Ion: 59 Resp: 4049
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.2#



#13
Acrolein
Concen: 21.301 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009925.D
Acq: 28 May 2019 19:17

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 306.1 57.0 85.4#





#16

Acetone

Concen: 0.671 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

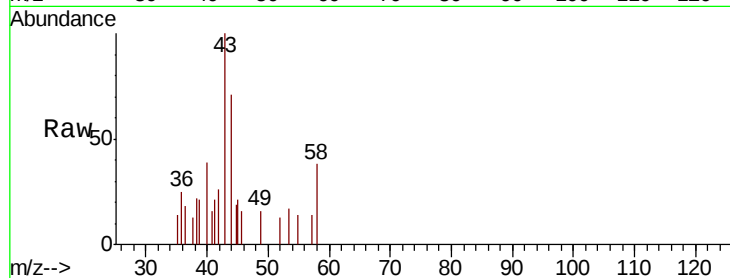
Z1-TB01-190522

Tot Ion: 43 Resp: 988

Ion Ratio Lower Upper

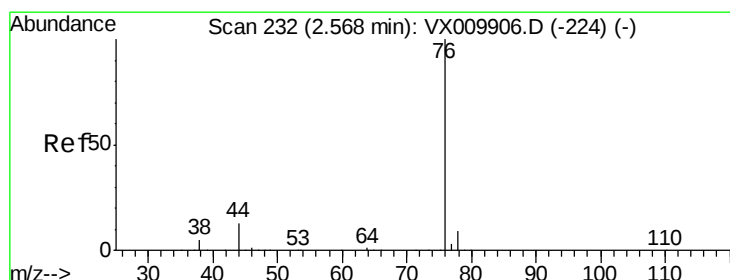
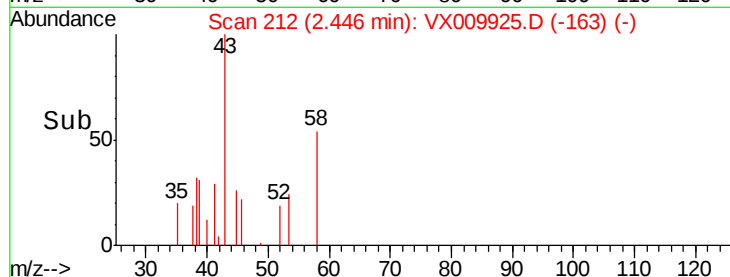
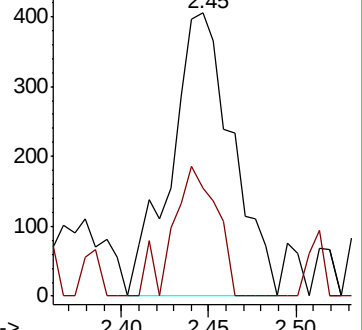
43 100

58 38.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.491 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009925.D

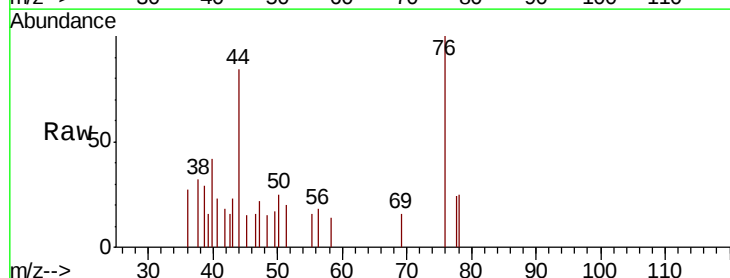
Acq: 28 May 2019 19:17

Tgt Ion: 76 Resp: 590

Ion Ratio Lower Upper

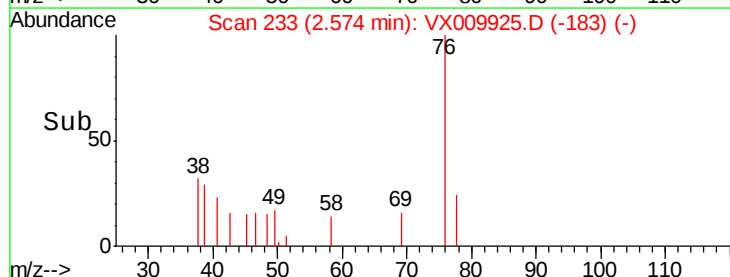
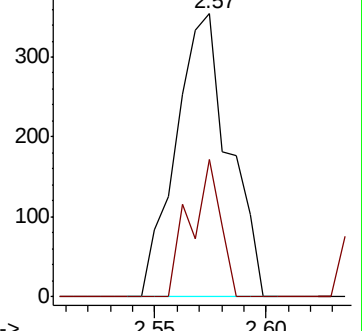
76 100

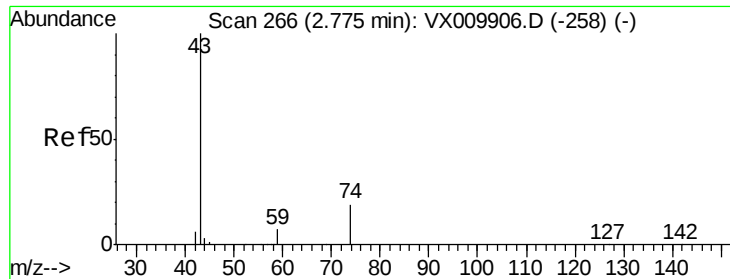
78 48.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

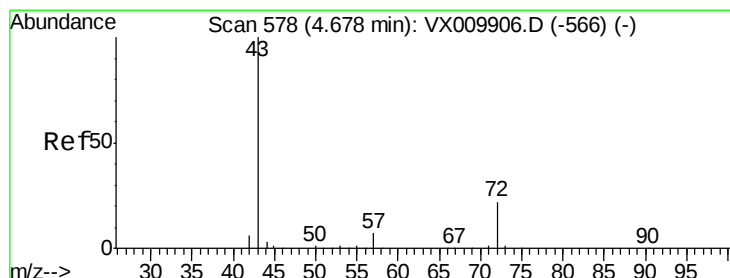
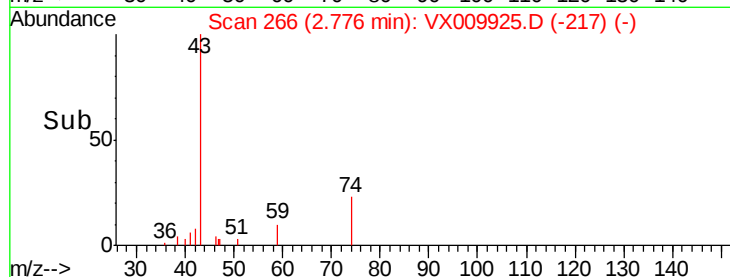
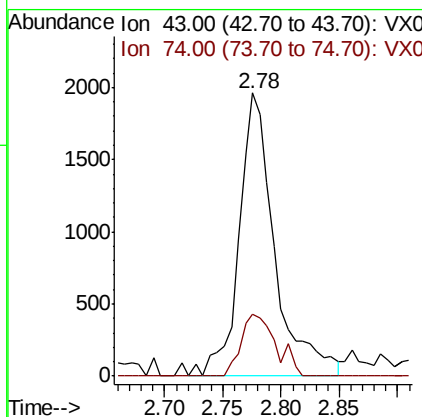
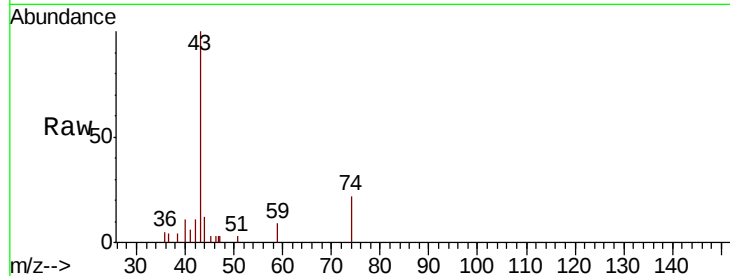




#18
Methvl Acetate
Concen: 1.227 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009925.D
Acq: 28 May 2019 19:17

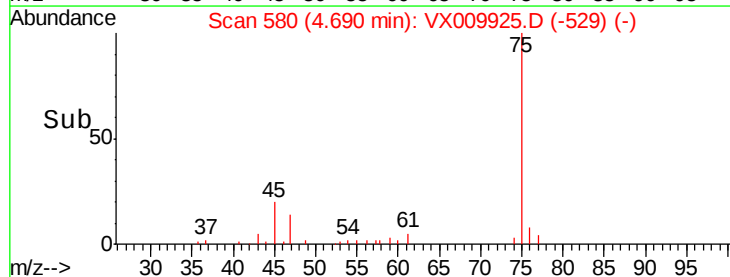
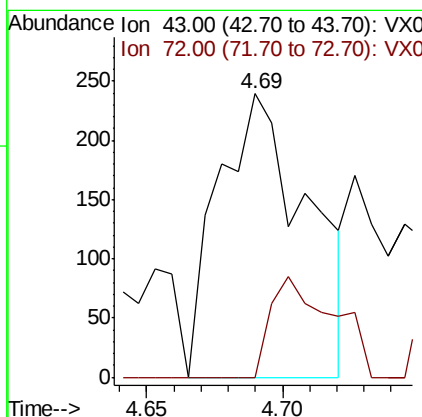
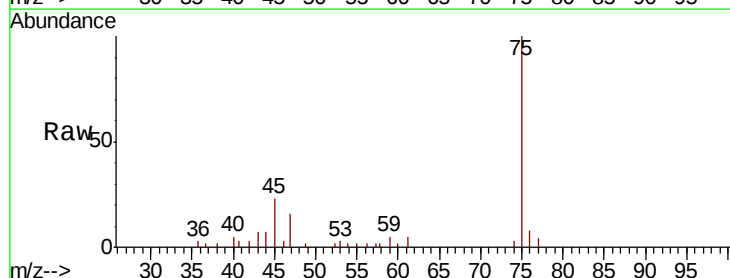
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB01-190522

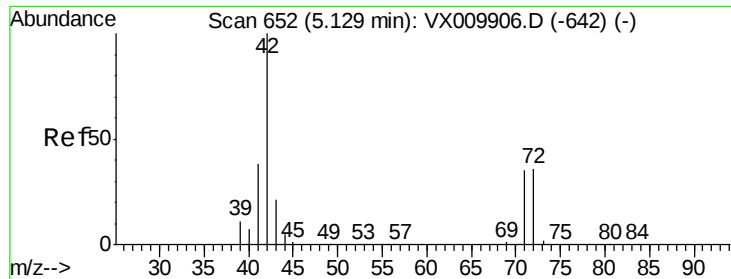
Tot Ion: 43 Resp: 4202
Ion Ratio Lower Upper
43 100
74 21.2 15.8 23.6



#25
2-Butanone
Concen: 0.238 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.01 min
Lab File: VX009925.D
Acq: 28 May 2019 19:17

Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3#





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB01-190522

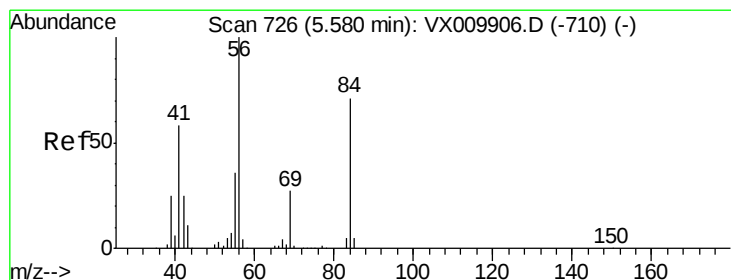
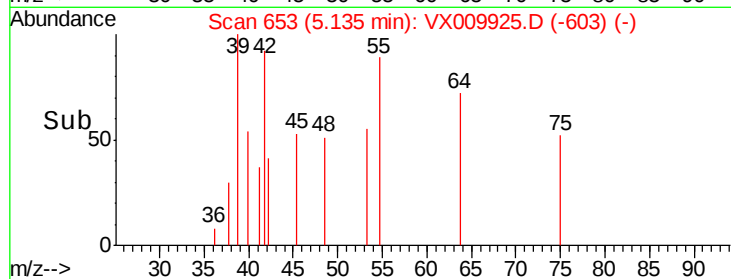
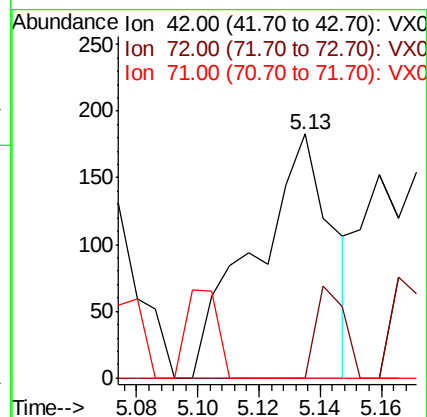
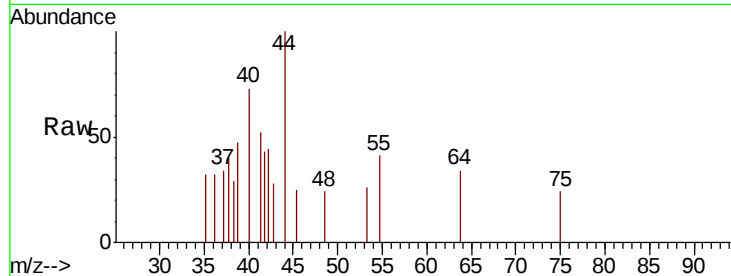
Tot Ion: 42 Resp: 321

Ion Ratio Lower Upper

42 100

72 14.0 29.2 43.8#

71 0.0 27.6 41.4#



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

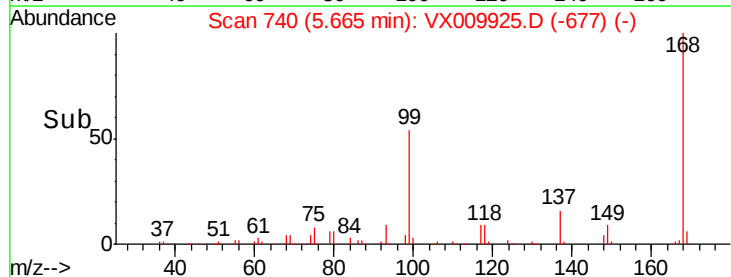
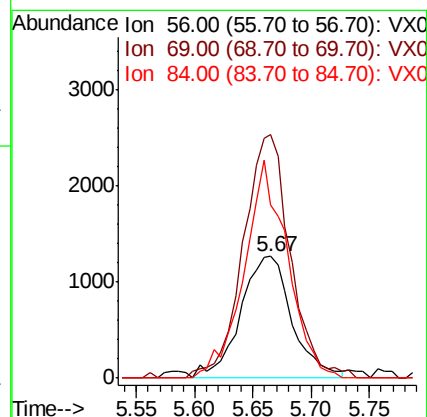
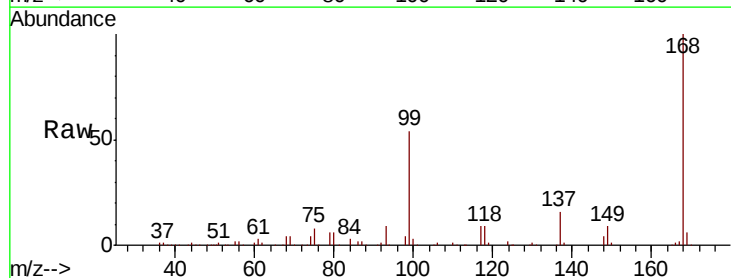
Tgt Ion: 56 Resp: 3905

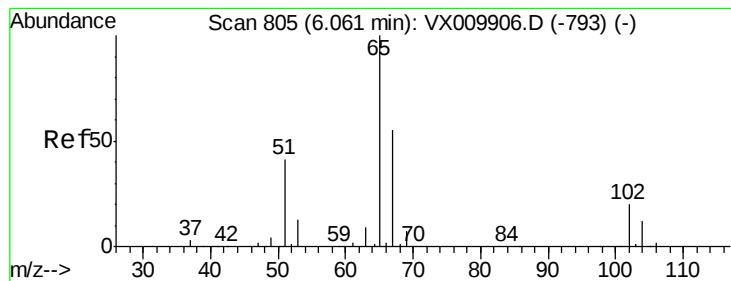
Ion Ratio Lower Upper

56 100

69 195.1 21.6 32.4#

84 142.5 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 47.972 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

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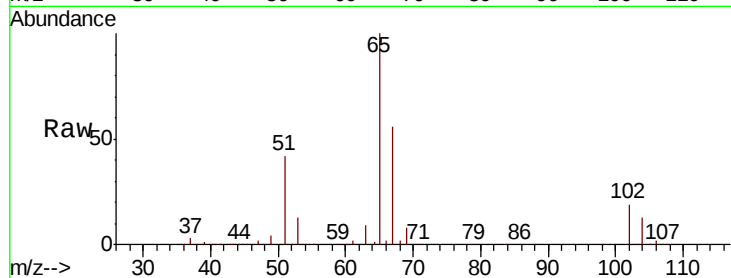
Z1-TB01-190522

Tot Ion: 65 Resp: 122186

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

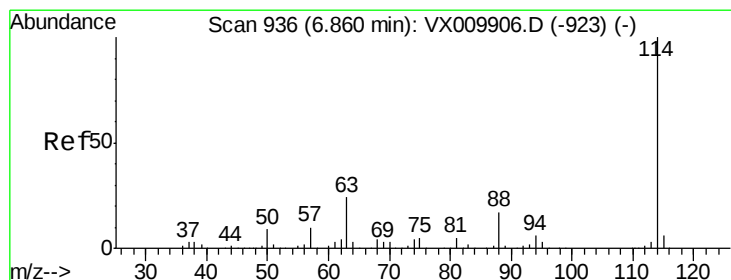
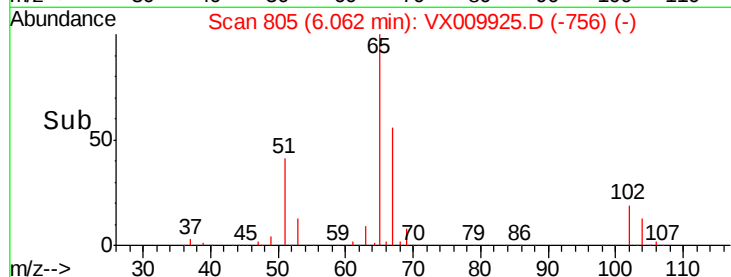
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

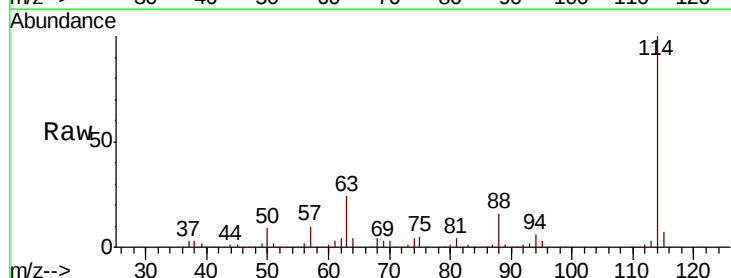
Tgt Ion: 114 Resp: 290891

Ion Ratio Lower Upper

114 100

63 23.6 0.0 47.4

88 16.2 0.0 33.0



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

6.86

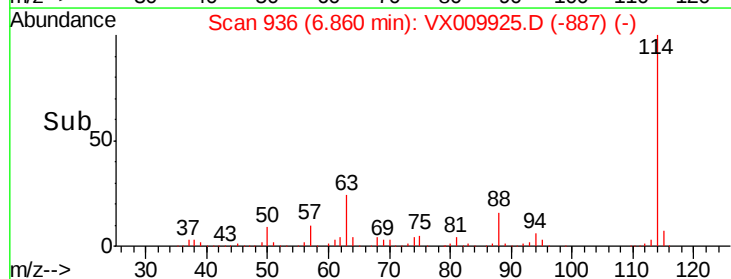
150000

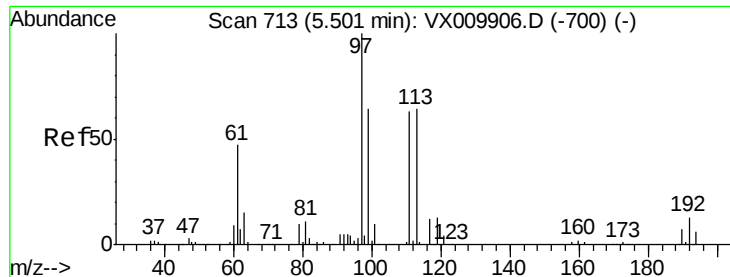
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.562 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

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ClientSampleId :

Z1-TB01-190522

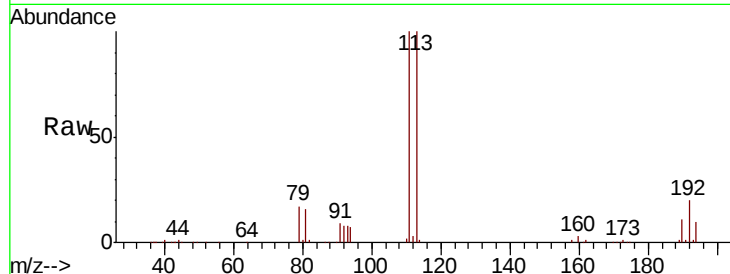
Tot Ion:113 Resp: 88813

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

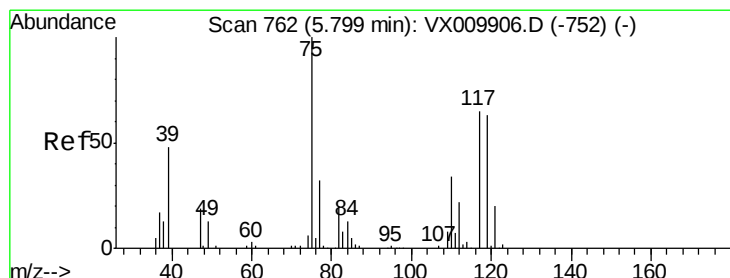
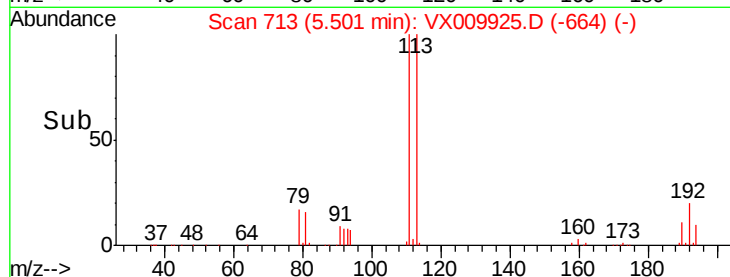
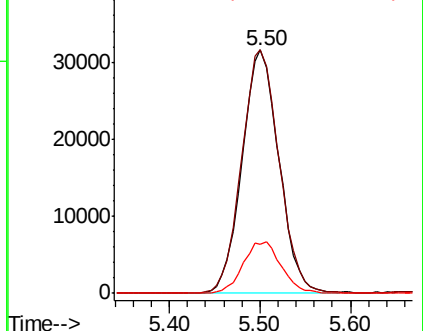
192 21.9 17.1 25.7



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: 4.990 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

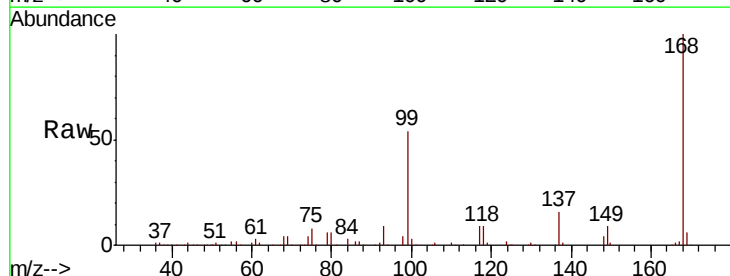
Tgt Ion: 75 Resp: 14729

Ion Ratio Lower Upper

75 100

110 8.4 16.7 50.1#

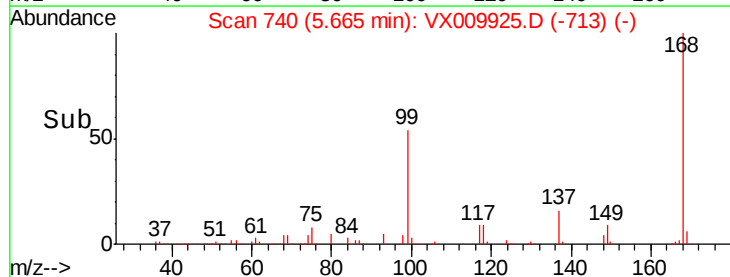
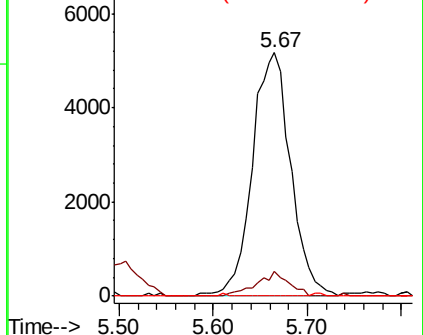
77 0.0 25.0 37.4#

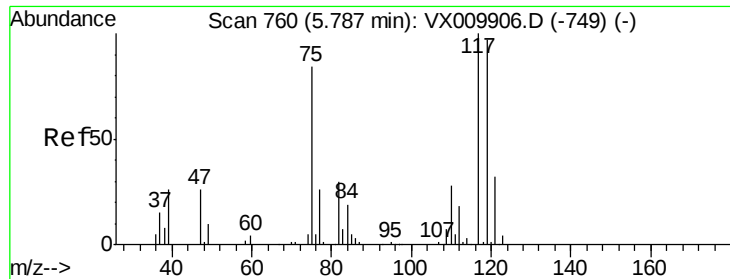


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.693 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB01-190522

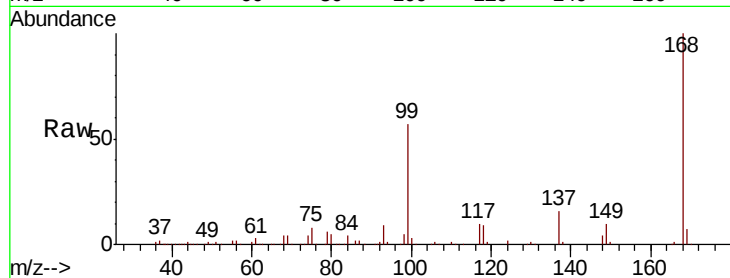
Tot Ion:117 Resp: 17071

Ion Ratio Lower Upper

117 100

119 6.7 77.3 115.9#

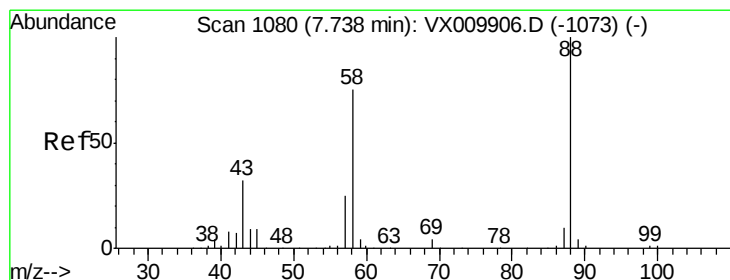
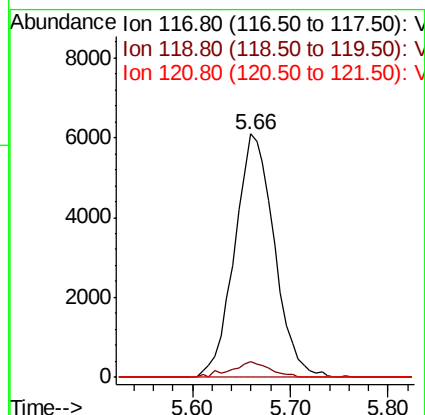
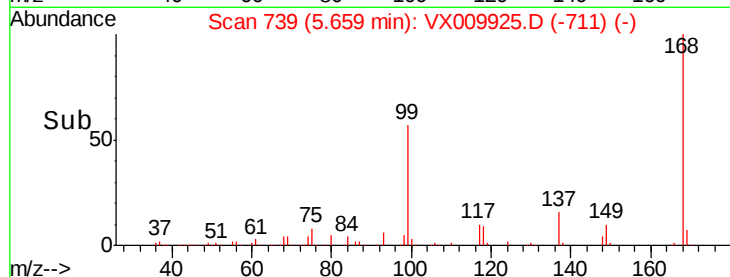
121 0.0 25.4 38.0#



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: 0.311 ug/l

RT: 7.81 min Scan# 1091

Delta R.T. 0.07 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

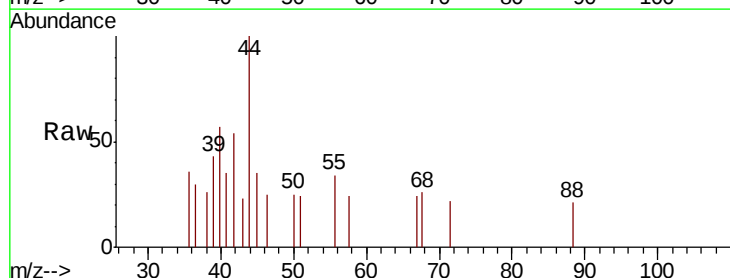
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

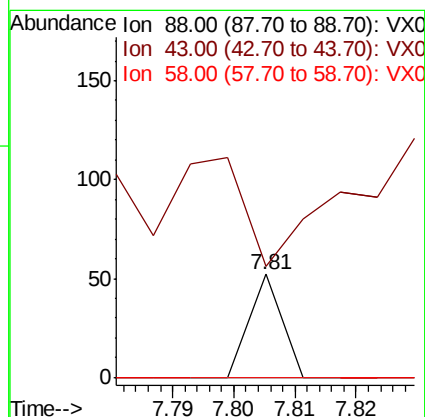
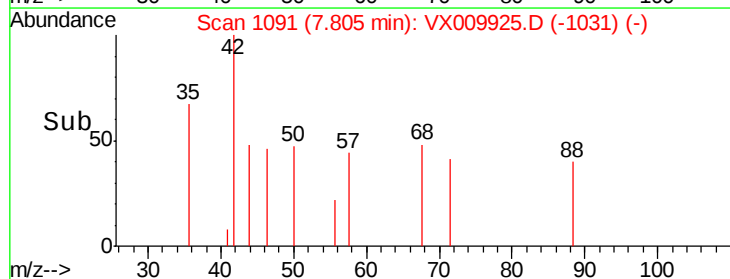
58 0.0 64.0 96.0#

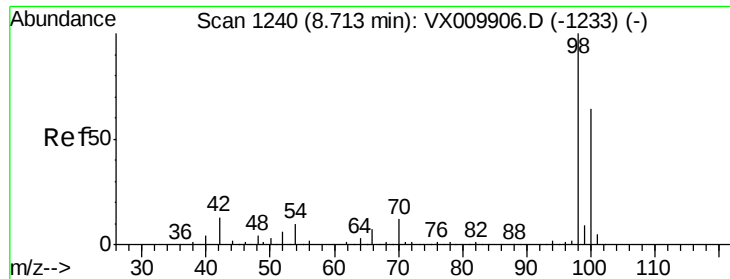


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.848 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

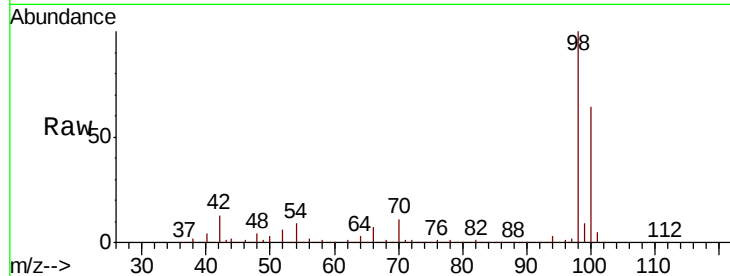
Z1-TB01-190522

Tot Ion: 98 Resp: 370200

Ion Ratio Lower Upper

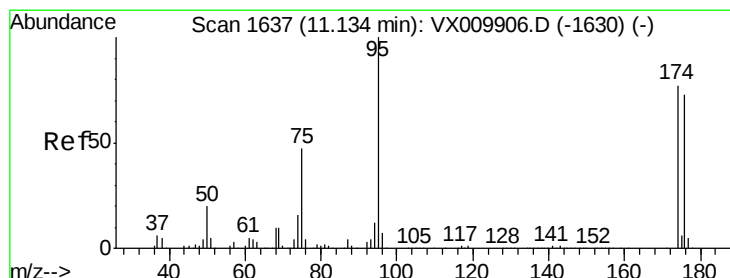
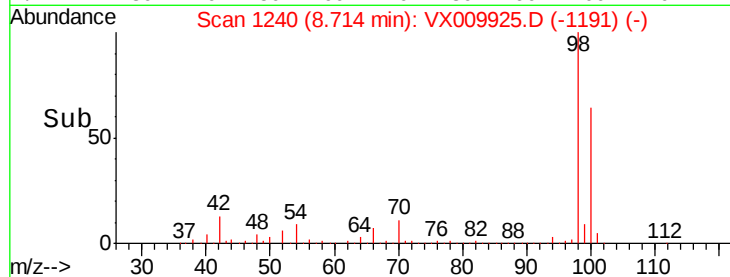
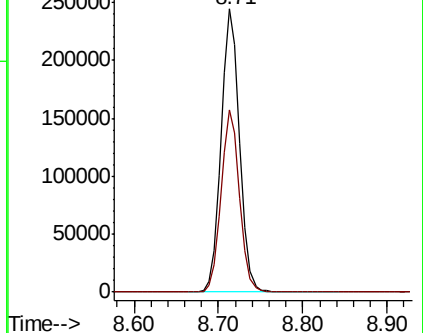
98 100

100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.309 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

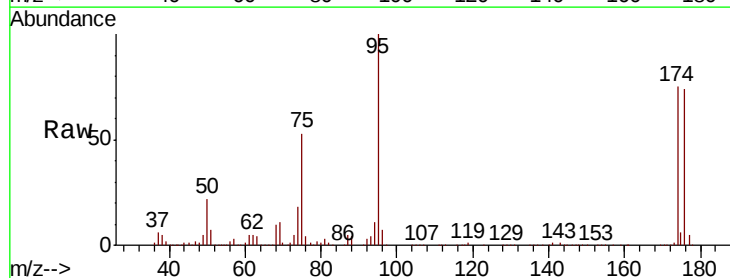
Tgt Ion: 95 Resp: 120860

Ion Ratio Lower Upper

95 100

174 80.7 0.0 160.4

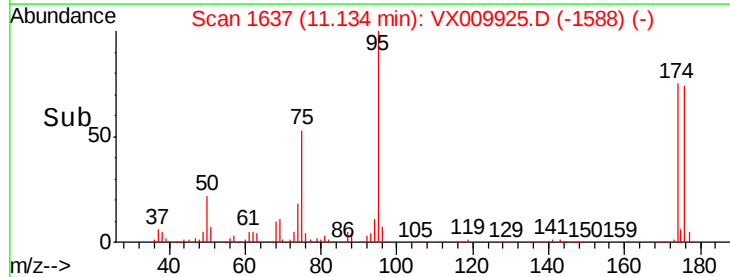
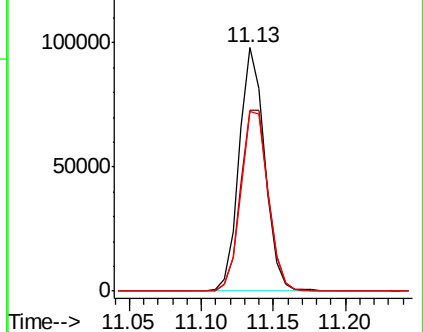
176 78.9 0.0 154.6

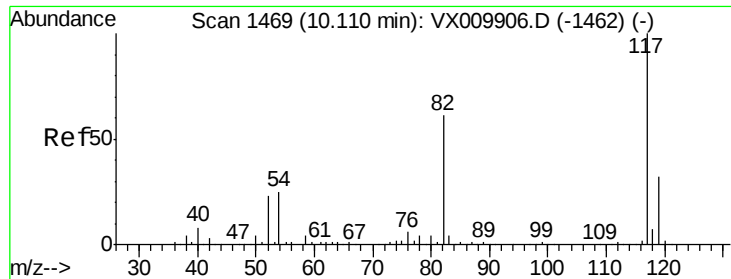


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

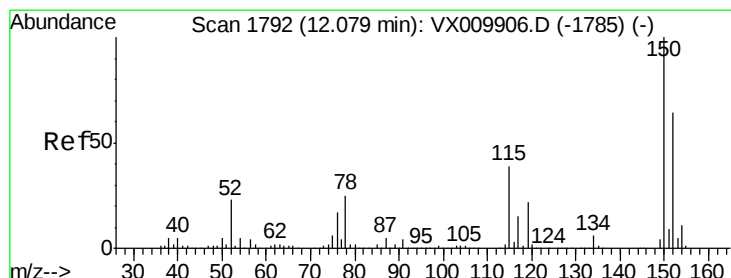
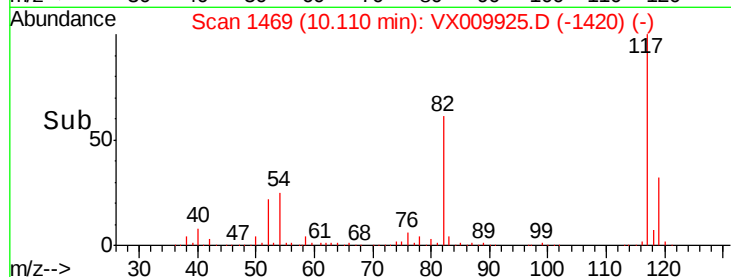
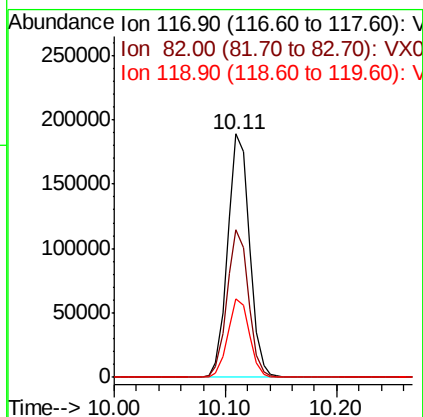
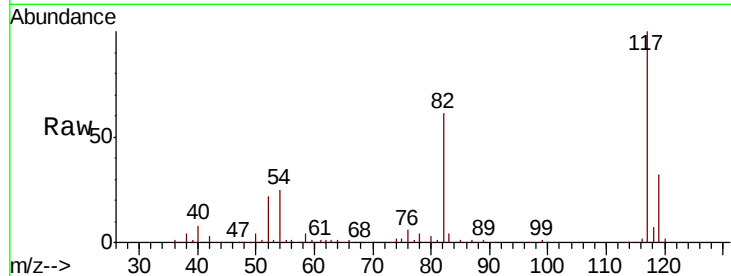




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009925.D
Acq: 28 May 2019 19:17

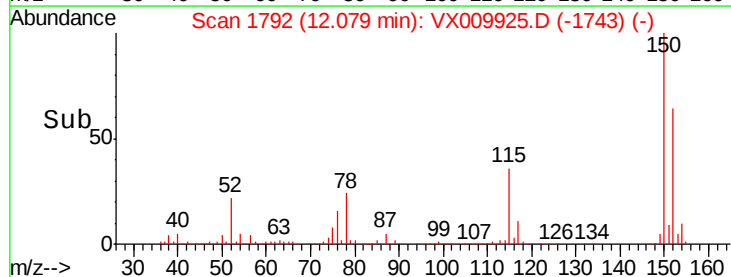
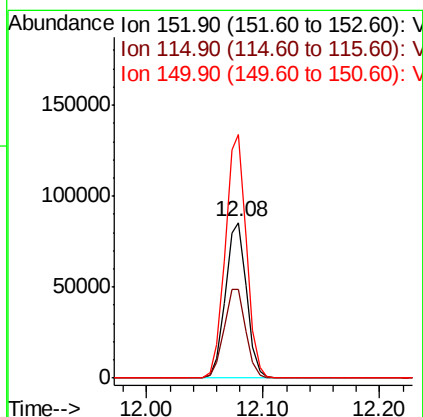
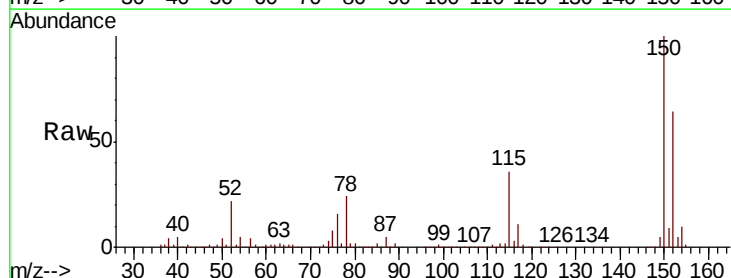
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB01-190522

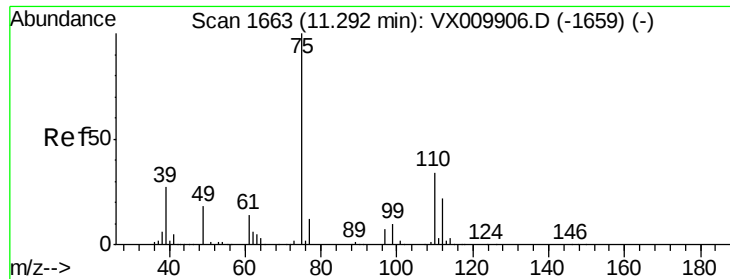
Tot Ion:117 Resp: 256775
Ion Ratio Lower Upper
117 100
82 60.9 49.2 73.8
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009925.D
Acq: 28 May 2019 19:17

Tgt Ion:152 Resp: 107370
Ion Ratio Lower Upper
152 100
115 58.9 41.4 124.2
150 156.3 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 24.998 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

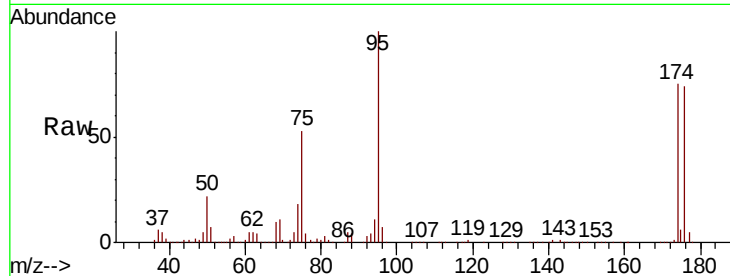
Z1-TB01-190522

Tot Ion: 75 Resp: 64183

Ion Ratio Lower Upper

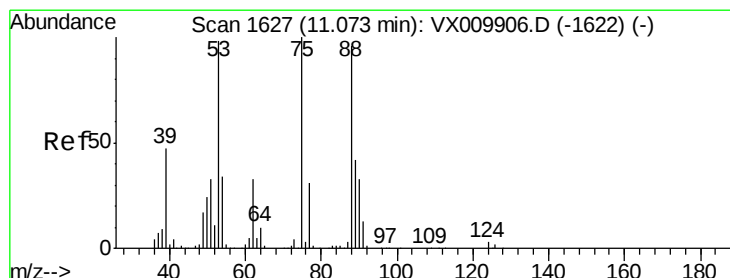
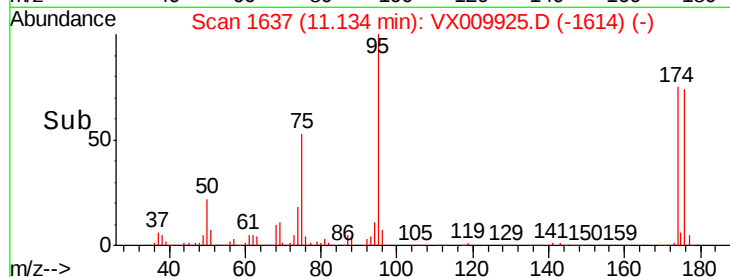
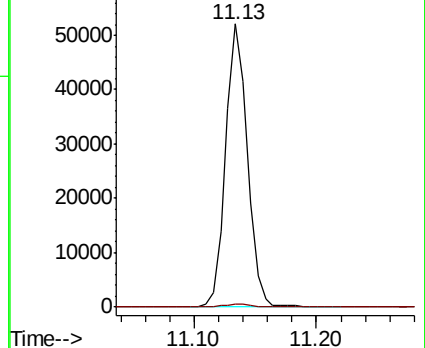
75 100

77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 61.848 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009925.D

Acq: 28 May 2019 19:17

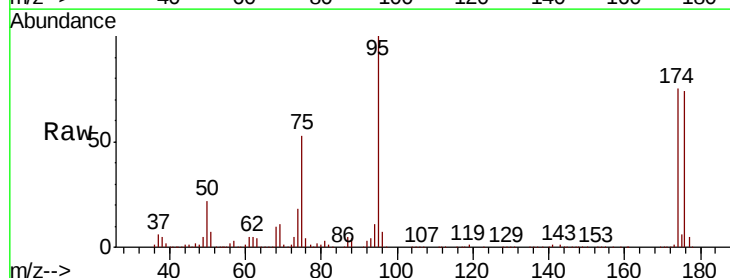
Tgt Ion: 75 Resp: 64183

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#



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

