

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008517.D
 Acq On : 28 Mar 2019 14:17
 Operator : JC/SP
 Sample : K2124-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP-PIT-1

Quant Time: Mar 29 01:28:46 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	5.67	168	231915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132907	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	162741	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
35) Dibromofluoromethane	5.50	113	119627	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	8.71	98	487253	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.13	95	161008	42.92	ug/l	0.00
Spiked Amount			Recovery	=	85.84%	

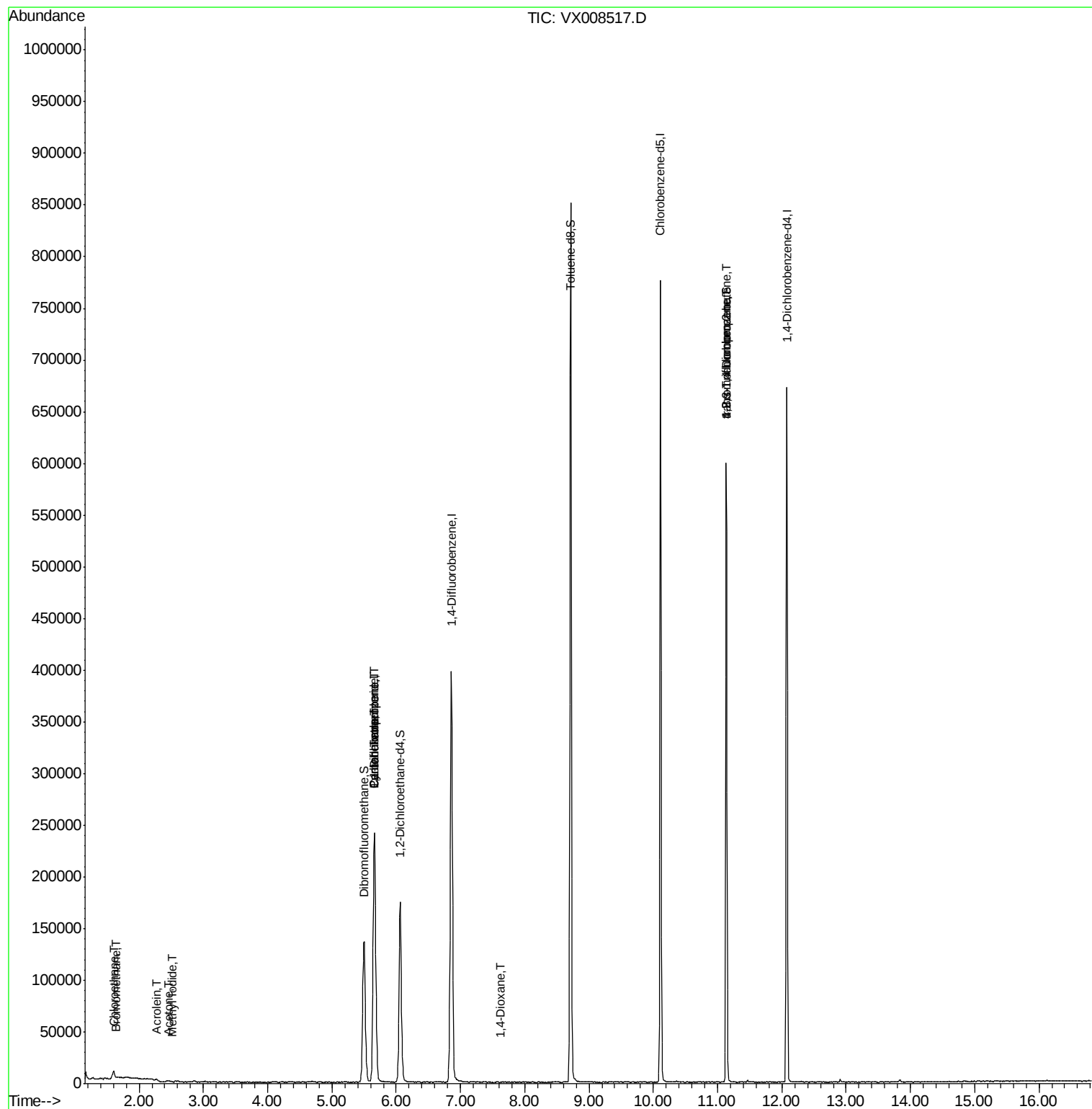
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	394	Below Cal		90
5) Bromomethane	1.64	94	258	1.932	ug/l	96
6) Chloroethane	1.61	64	1442	0.638	ug/l #	54
10) Methyl Iodide	2.52	142	180	4.194	ug/l #	56
13) Acrolein	2.26	56	216	0.382	ug/l #	30
16) Acetone	2.45	43	2019	1.099	ug/l #	84
17) Carbon Disulfide	2.57	76	1021	Below Cal	#	70
20) Methylene Chloride	2.86	84	474	Below Cal	#	81
21) trans-1,2-Dichloroethene	3.16	96	25	Below Cal	#	8
31) Cyclohexane	5.67	56	5344	0.948	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19603	4.736	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23240	6.727	ug/l #	16
49) 1,4-Dioxane	7.62	88	21	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	82628	20.912	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	82628	66.978	ug/l #	9

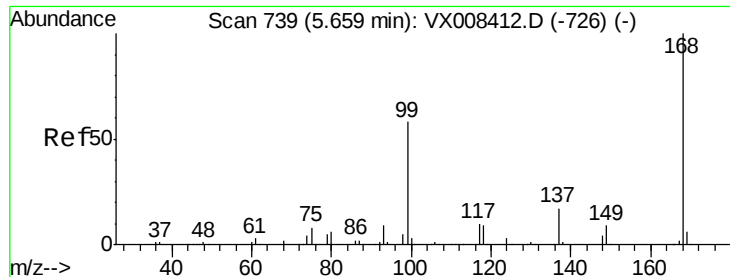
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 07:57:20 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008517.D

Acq: 28 Mar 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

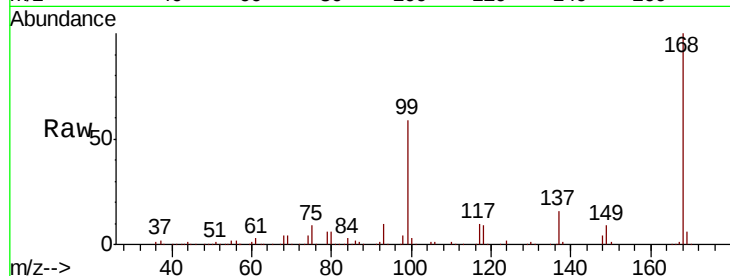
SUMP-PIT-1

Tot Ion:168 Resp: 231915

Ion Ratio Lower Upper

168 100

99 58.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

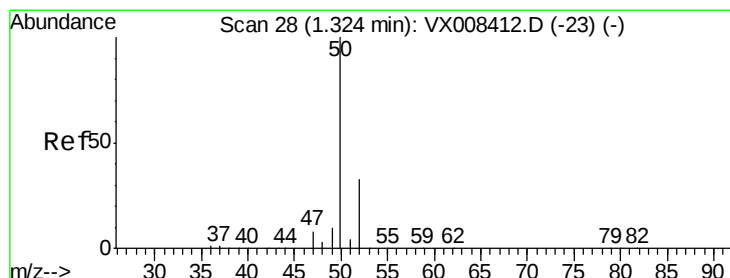
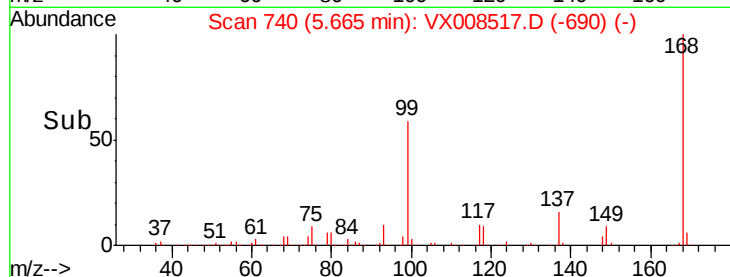
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008517.D

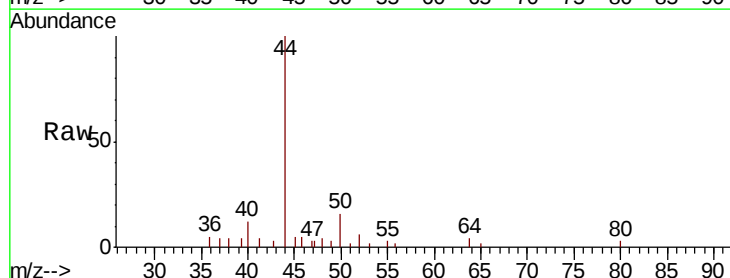
Acq: 28 Mar 2019 14:17

Tgt Ion: 50 Resp: 394

Ion Ratio Lower Upper

50 100

52 38.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

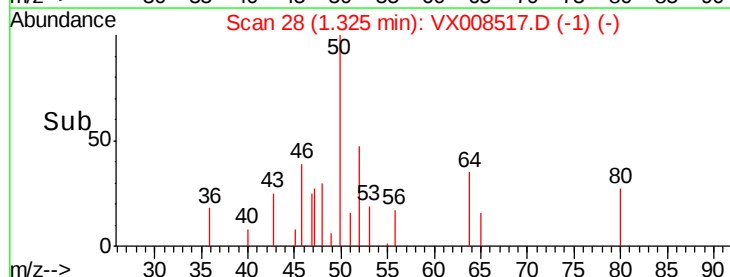
300

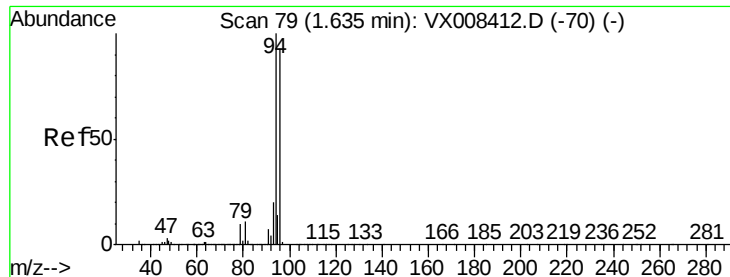
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 1.932 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008517.D

Acq: 28 Mar 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

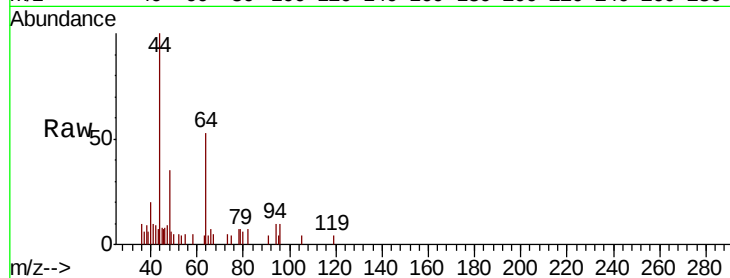
SUMP-PIT-1

Tot Ion: 94 Resp: 258

Ion Ratio Lower Upper

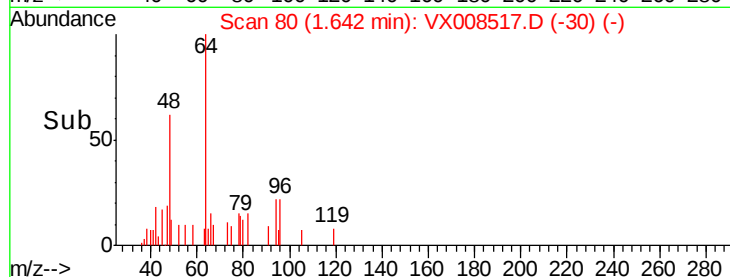
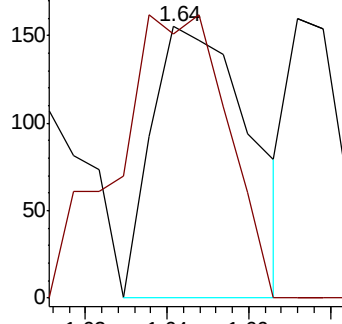
94 100

96 97.4 74.8 112.2

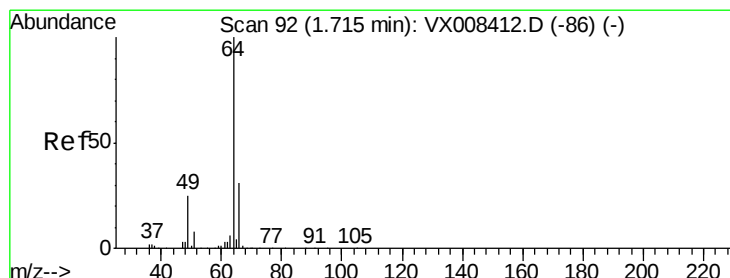


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.638 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX008517.D

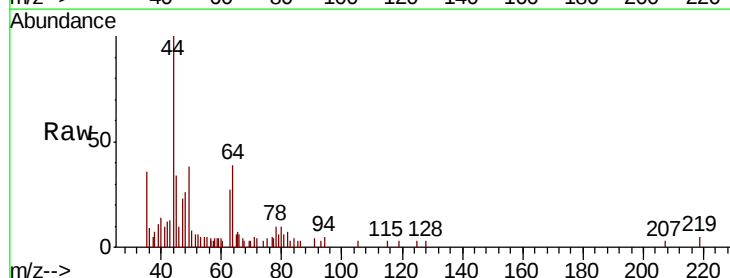
Acq: 28 Mar 2019 14:17

Tgt Ion: 64 Resp: 1442

Ion Ratio Lower Upper

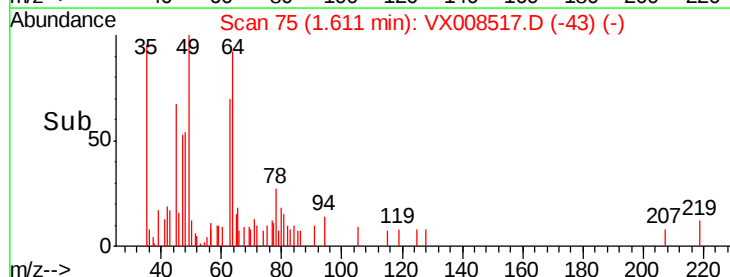
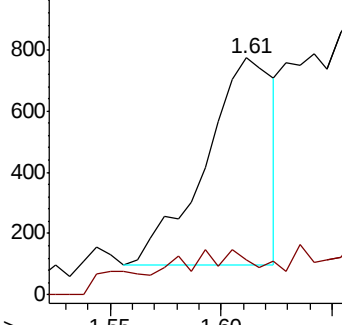
64 100

66 5.8 25.1 37.7#

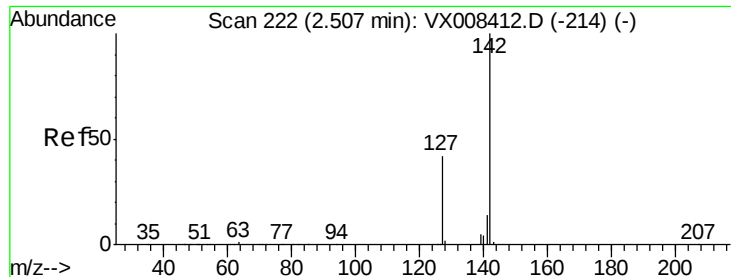


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



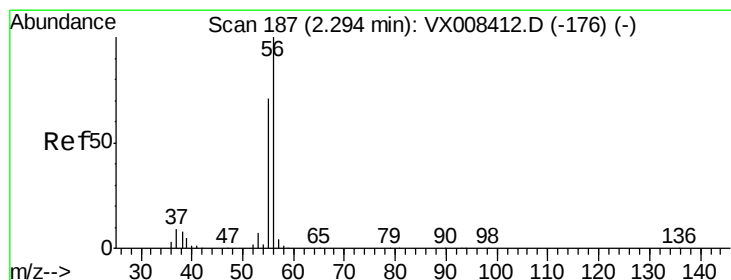
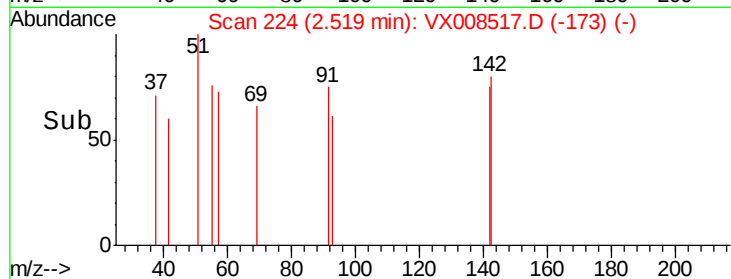
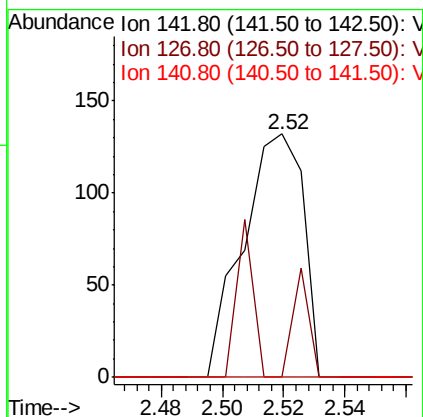
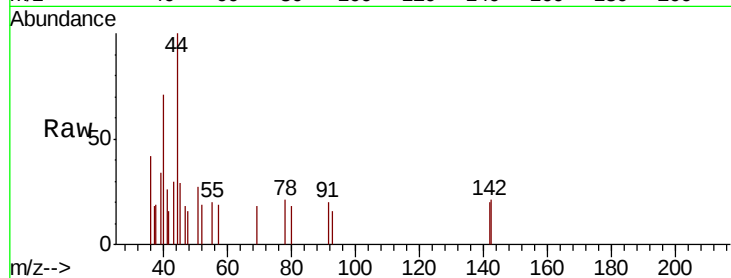
Time-->



#10
Methvl Iodide
Concen: 4.194 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

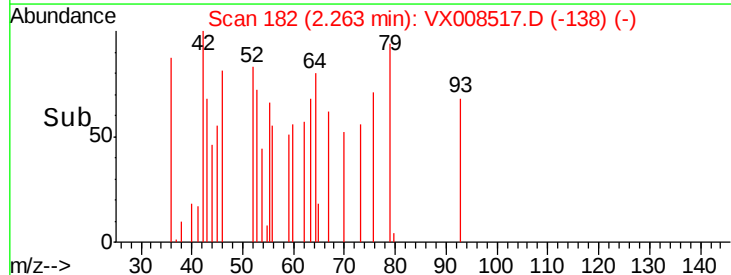
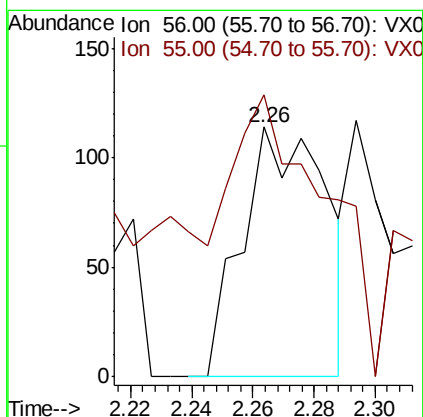
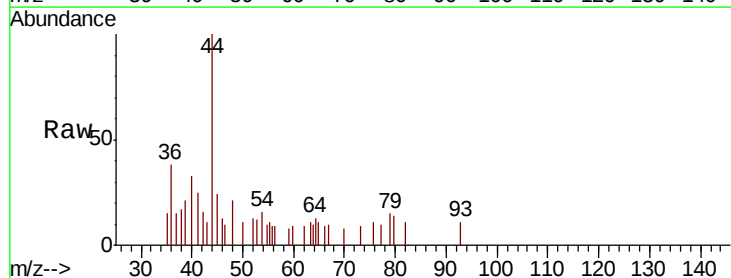
Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT-1

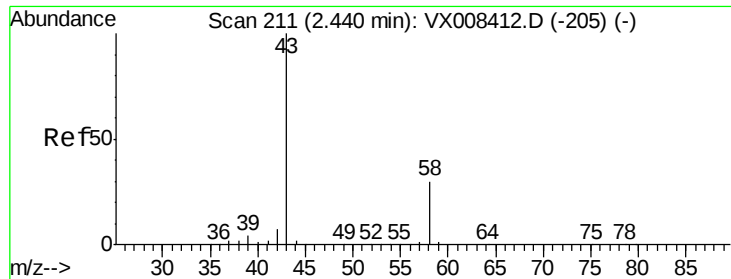
Tot Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 12.2 33.6 50.4#
141 0.0 11.3 16.9#



#13
Acrolein
Concen: 0.382 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.03 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 128.7 56.5 84.7#





#16

Acetone

Concen: 1.099 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008517.D

Acq: 28 Mar 2019 14:17

Instrument :

MSVOA_X

ClientSampled :

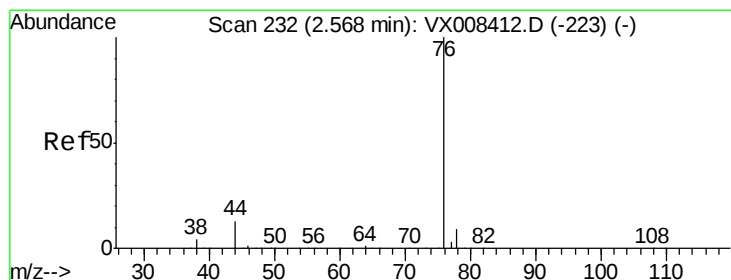
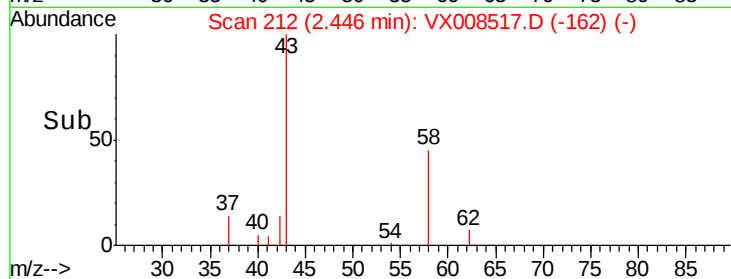
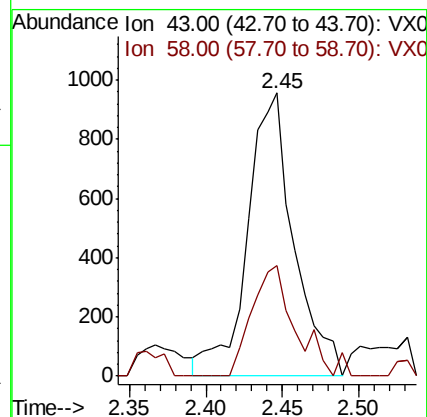
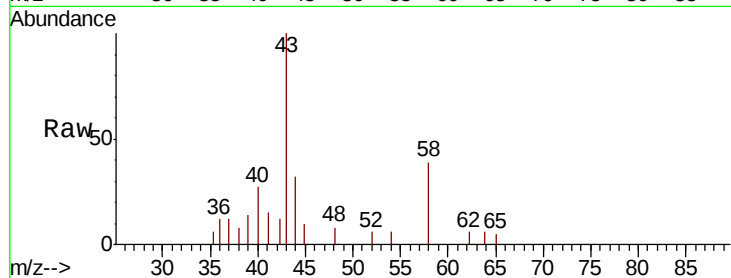
SUMP-PIT-1

Tot Ion: 43 Resp: 2019

Ion Ratio Lower Upper

43 100

58 39.1 24.2 36.2#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008517.D

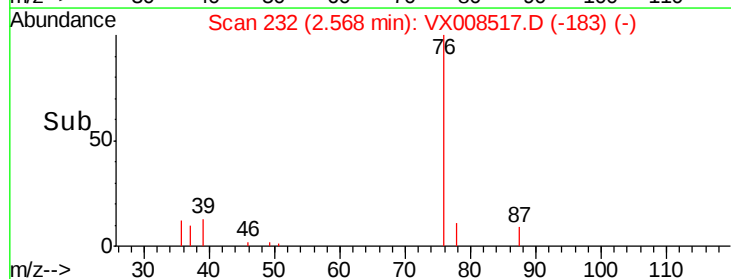
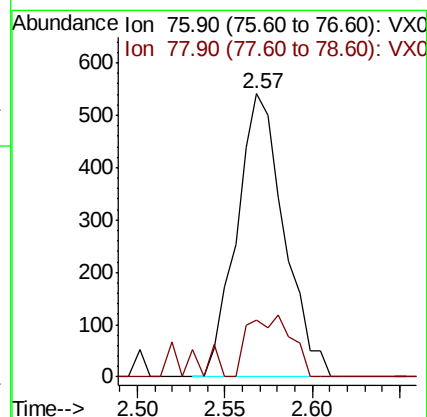
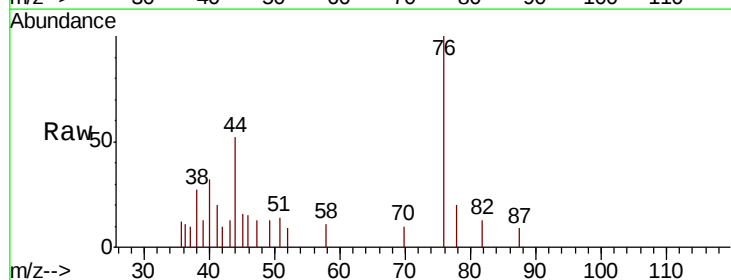
Acq: 28 Mar 2019 14:17

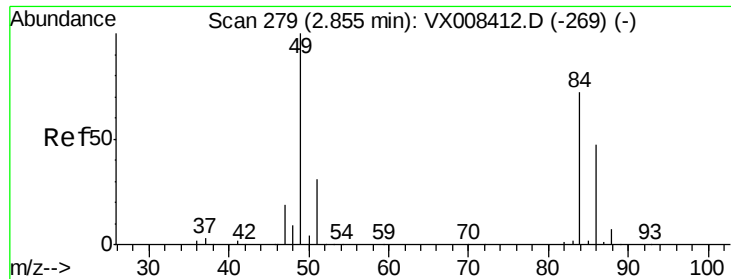
Tgt Ion: 76 Resp: 1021

Ion Ratio Lower Upper

76 100

78 20.1 7.4 11.2#

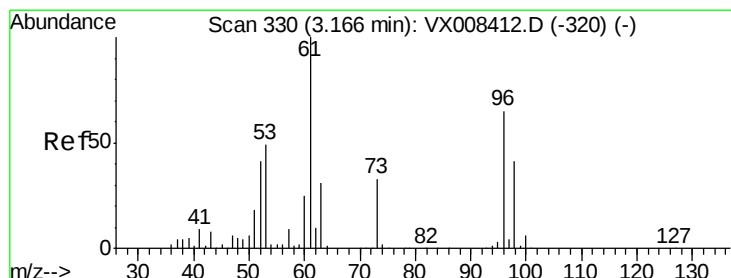
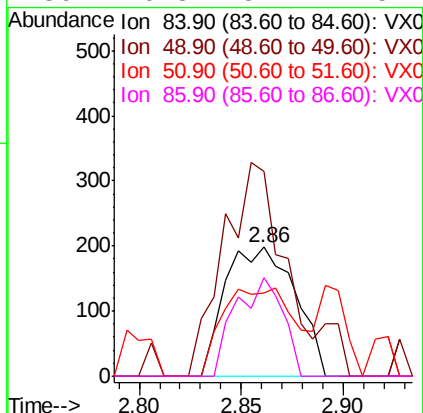
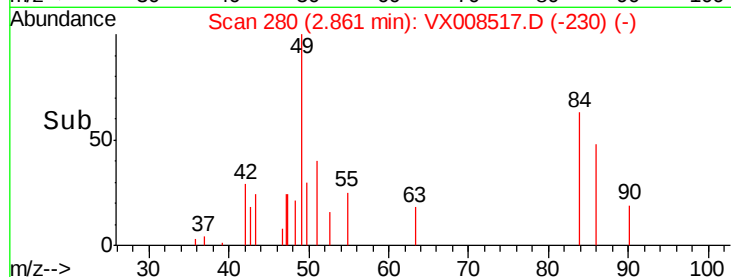
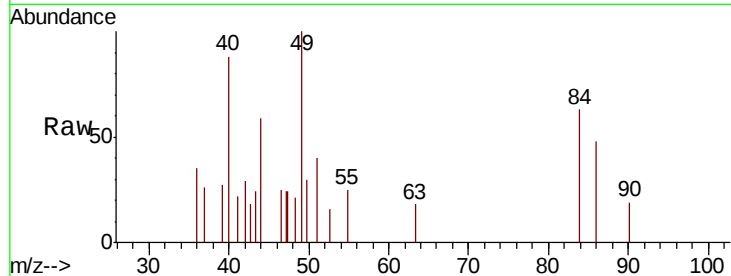




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

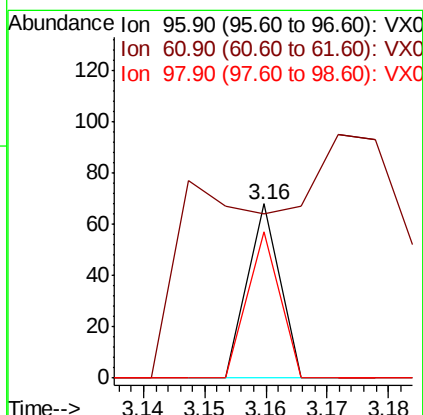
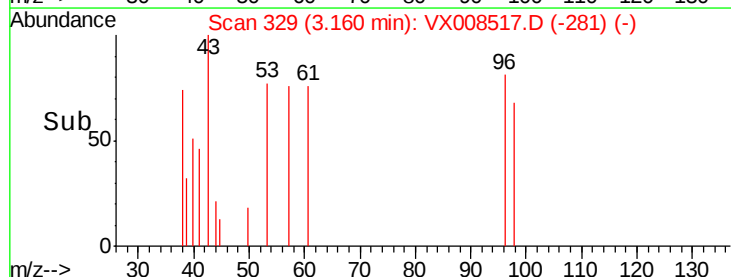
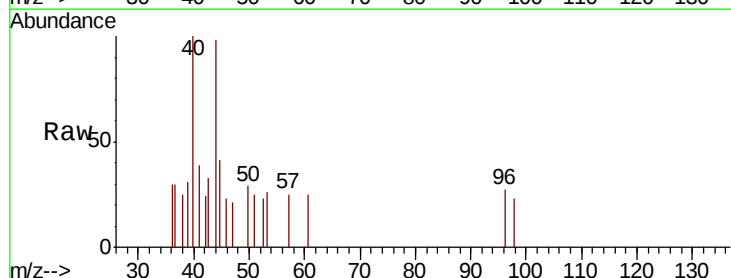
Instrument :
MSVOA_X
ClientSampled :
SUMP-PIT-1

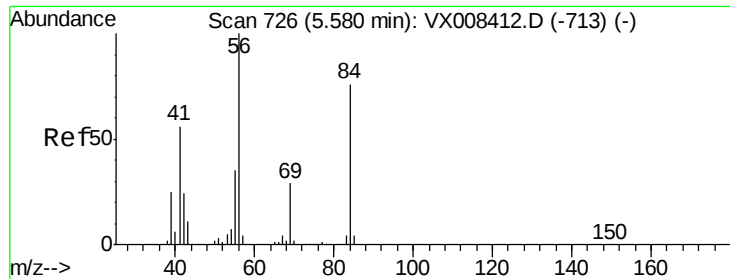
Tot Ion: 84 Resp: 474
Ion Ratio Lower Upper
84 100
49 158.6 110.6 165.8
51 64.1 33.9 50.9#
86 76.3 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

Tgt Ion: 96 Resp: 25
Ion Ratio Lower Upper
96 100
61 0.0 122.6 184.0#
98 83.8 50.9 76.3#

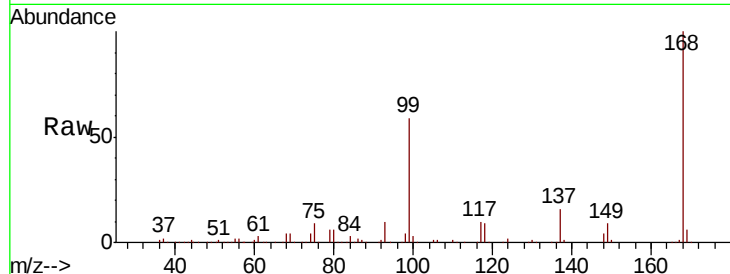




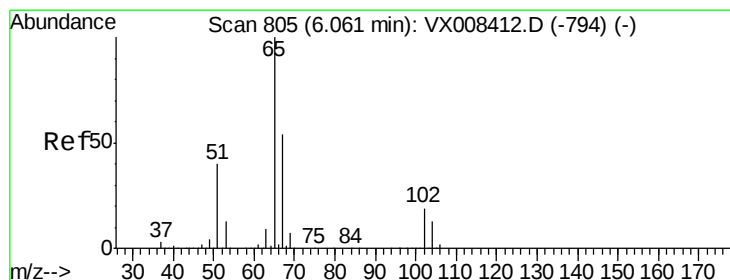
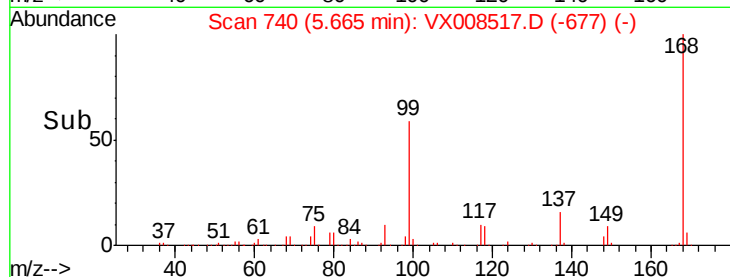
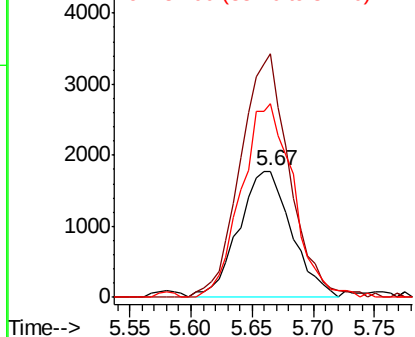
#31
Cyclohexane
Concen: 0.948 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT-1

Tot Ion: 56 Resp: 5344
Ion Ratio Lower Upper
56 100
69 192.7 23.2 34.8#
84 153.8 60.7 91.1#

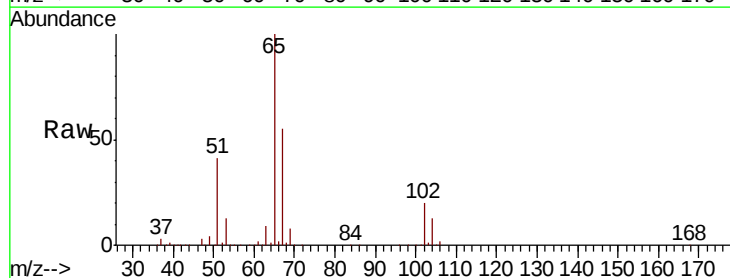


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

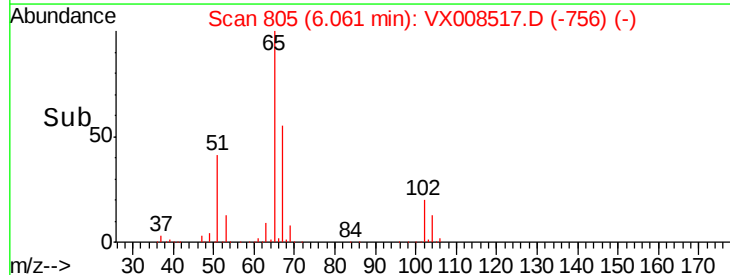
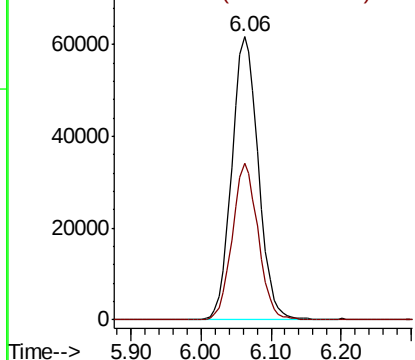


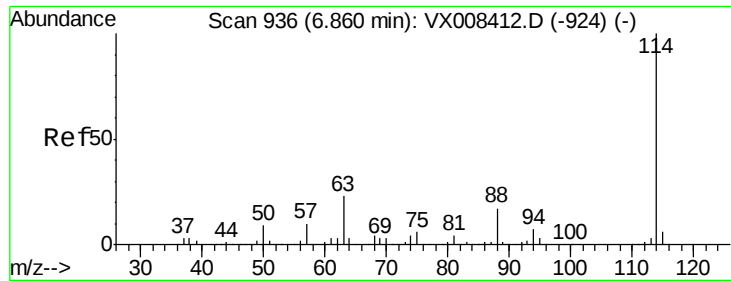
#33
1,2-Dichloroethane-d4
Concen: 46.287 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

Tgt Ion: 65 Resp: 162741
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

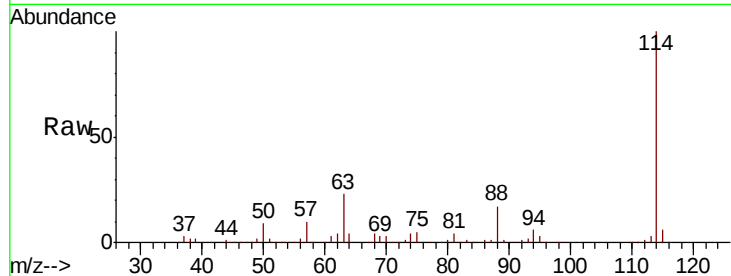




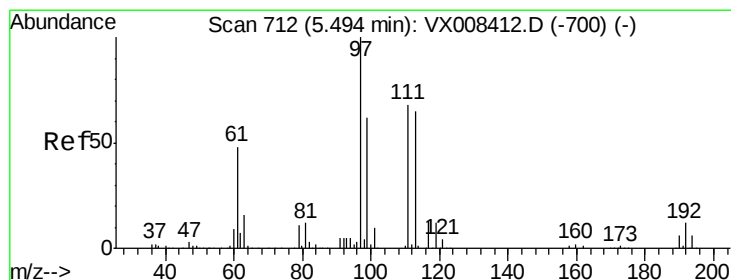
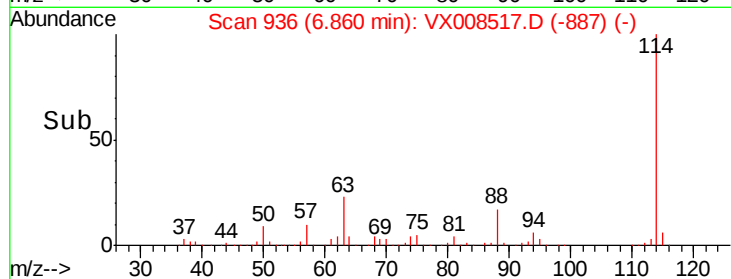
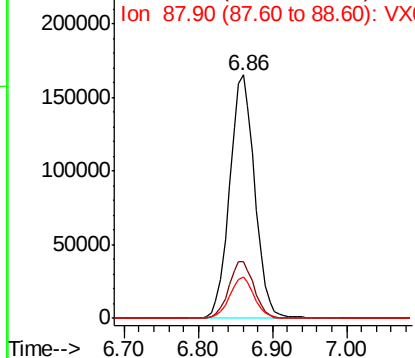
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT-1

Tot Ion:114 Resp: 388236
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.4
88 17.0 0.0 33.2

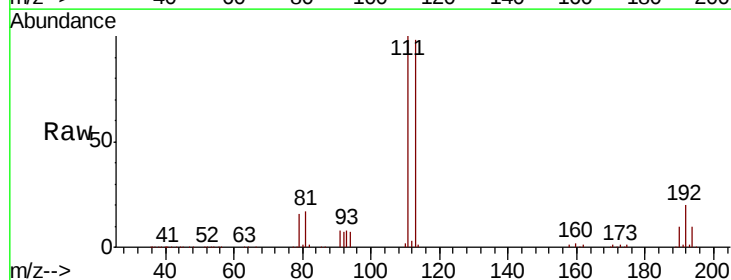


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

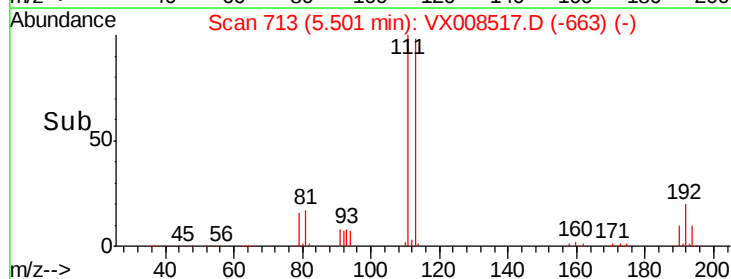
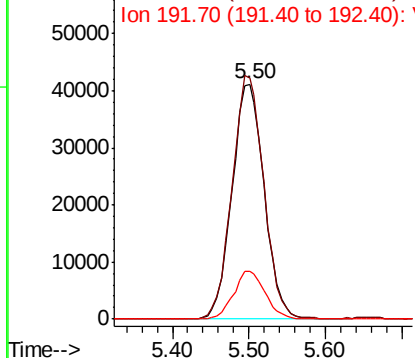


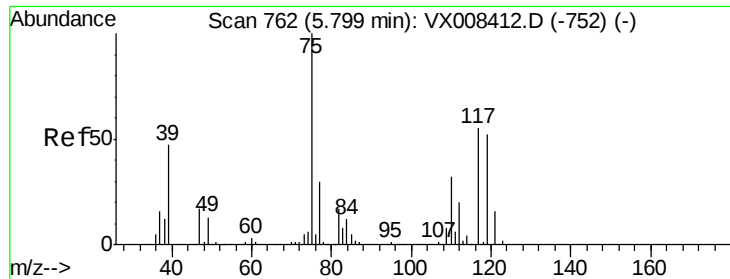
#35
Dibromofluoromethane
Concen: 47.256 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008517.D
Acq: 28 Mar 2019 14:17

Tgt Ion:113 Resp: 119627
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.4
192 20.0 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

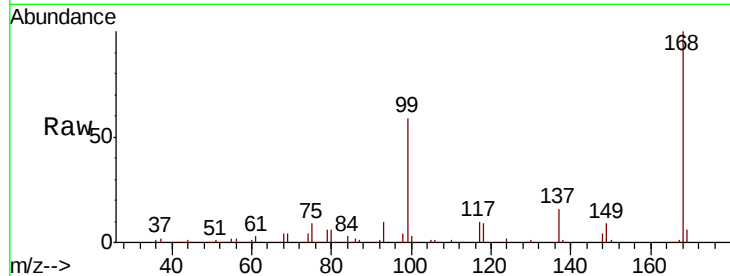




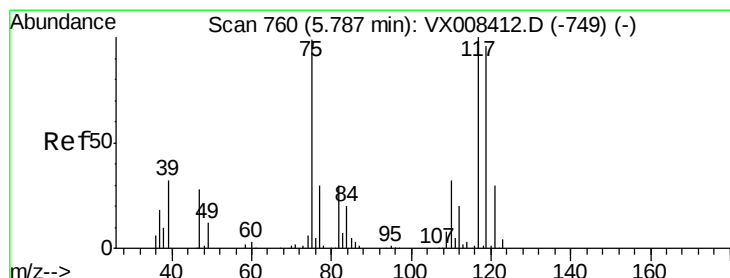
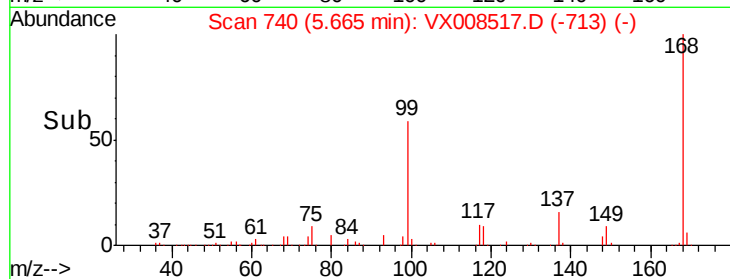
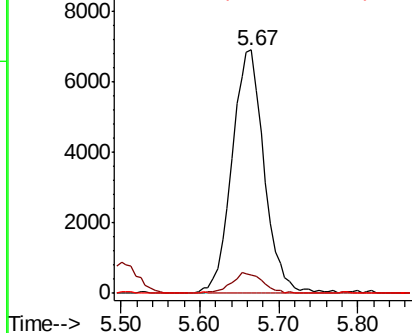
#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008517.D
 Acq: 28 Mar 2019 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP-PIT-1

Tot Ion	75	Resp	19603
Ion Ratio	Lower	Upper	
75	100		
110	8.4	16.6	49.7#
77	0.0	24.2	36.2#

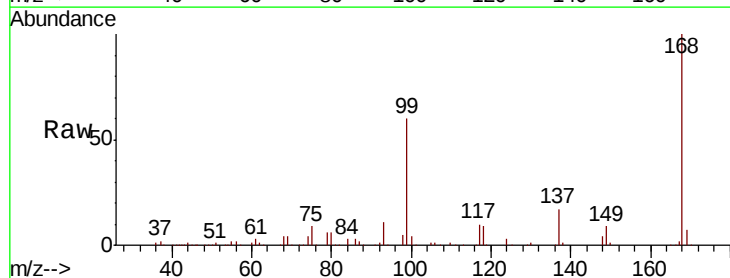


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

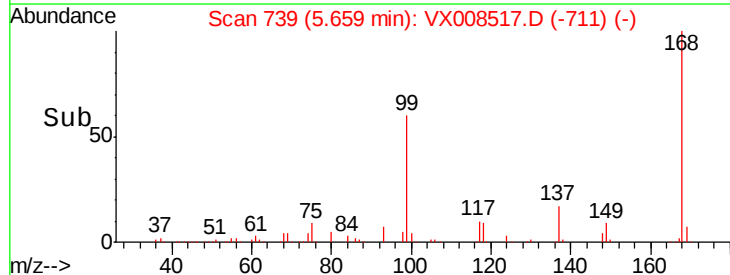
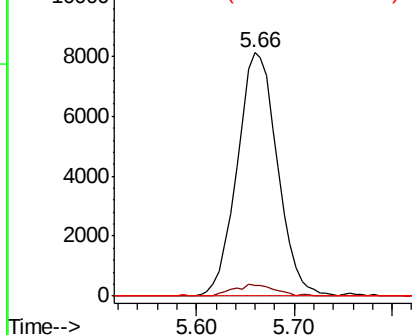


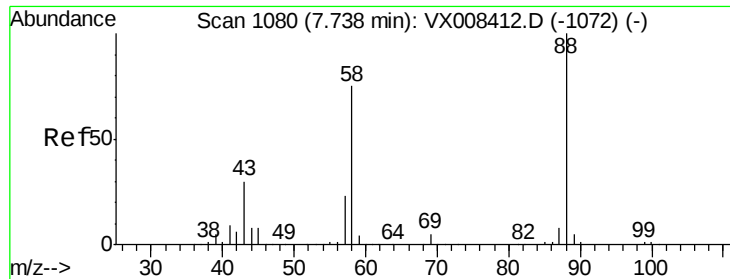
#38
 Carbon Tetrachloride
 Concen: 6.727 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008517.D
 Acq: 28 Mar 2019 14:17

Tgt Ion	117	Resp	23240
Ion Ratio	Lower	Upper	
117	100		
119	4.5	76.7	115.1#
121	0.0	24.3	36.5#



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: 0.246 ug/l

RT: 7.62 min Scan# 1061

Delta R.T. -0.12 min

Lab File: VX008517.D

Acq: 28 Mar 2019 14:17

Instrument :

MSVOA_X

ClientSampled :

SUMP-PIT-1

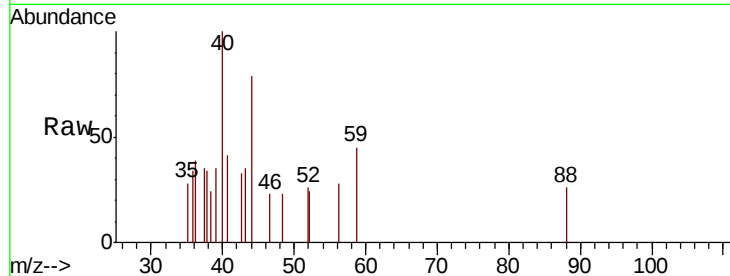
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 404.8 28.6 43.0#

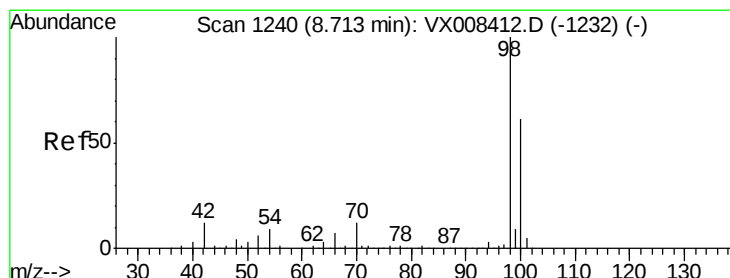
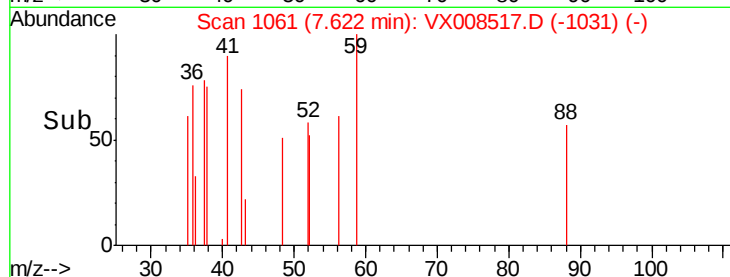
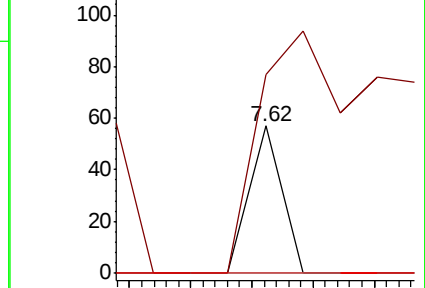
58 0.0 63.0 94.4#



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: 48.136 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008517.D

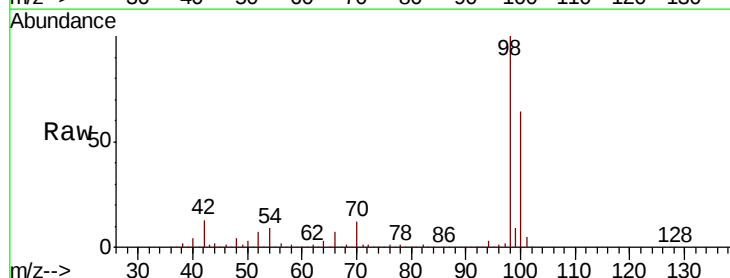
Acq: 28 Mar 2019 14:17

Tgt Ion: 98 Resp: 487253

Ion Ratio Lower Upper

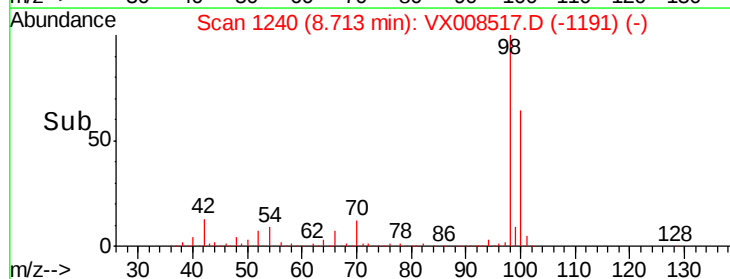
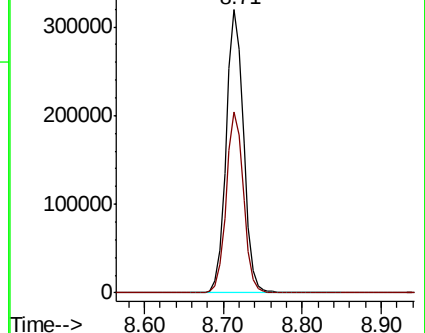
98 100

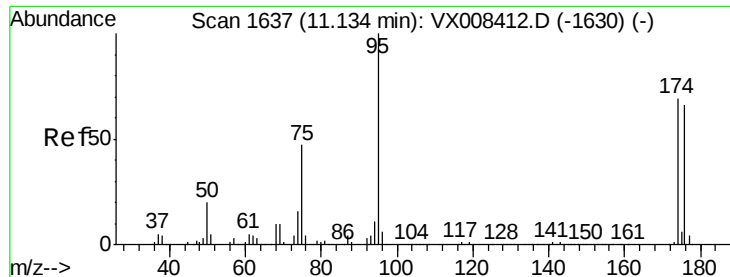
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.924 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008517.D

Acq: 28 Mar 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

SUMP-PIT-1

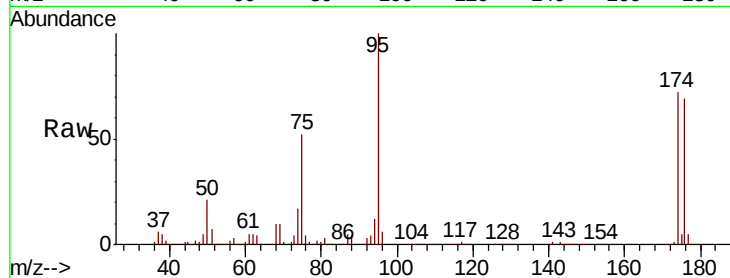
Tot Ion: 95 Resp: 161008

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.2

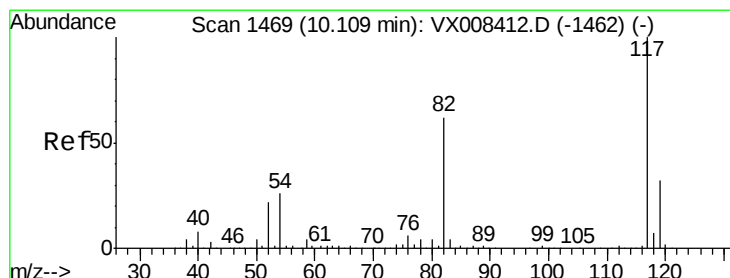
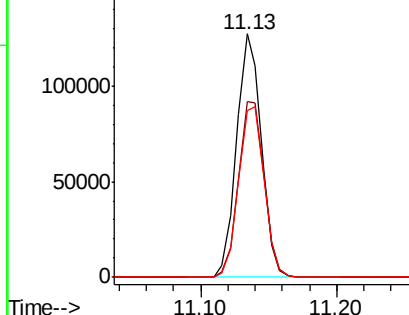
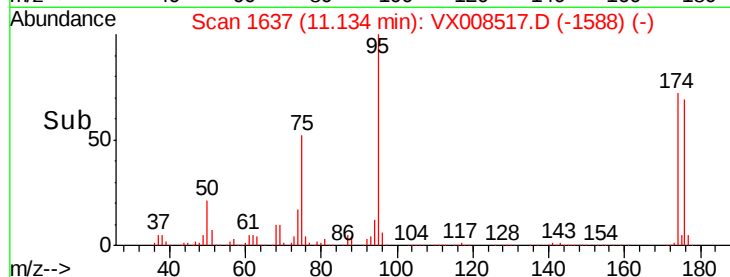
176 72.9 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008517.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008517.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008517.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008517.D

Acq: 28 Mar 2019 14:17

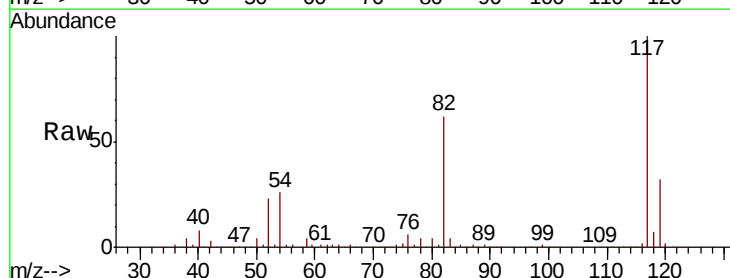
Tgt Ion: 117 Resp: 332589

Ion Ratio Lower Upper

117 100

82 62.1 49.4 74.2

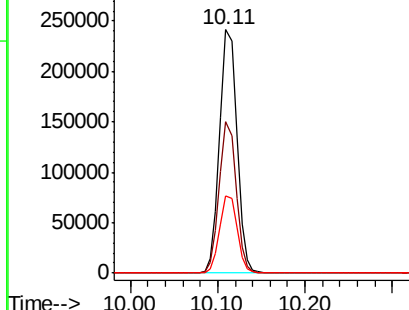
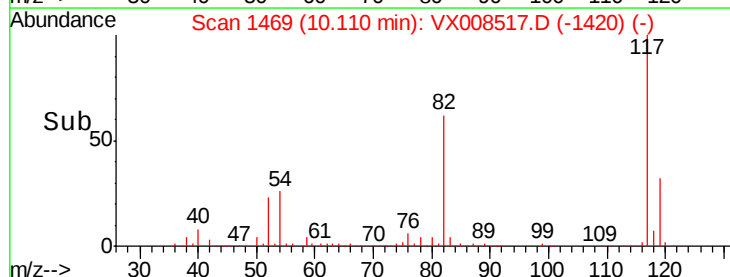
119 31.9 25.4 38.0

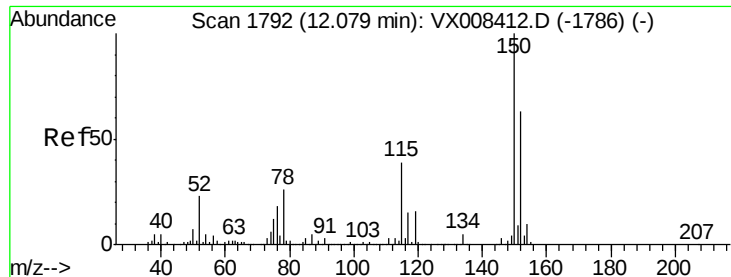


Abundance Ion 116.90 (116.60 to 117.60): VX008517.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008517.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008517.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: VX008517.D

Acq: 28 Mar 2019 14:17

Instrument :

MSVOA_X

ClientSampled :

SUMP-PIT-1

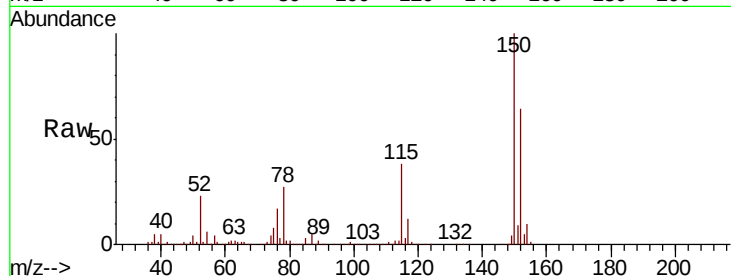
Tot Ion:152 Resp: 132907

Ion Ratio Lower Upper

152 100

115 62.1 43.5 130.5

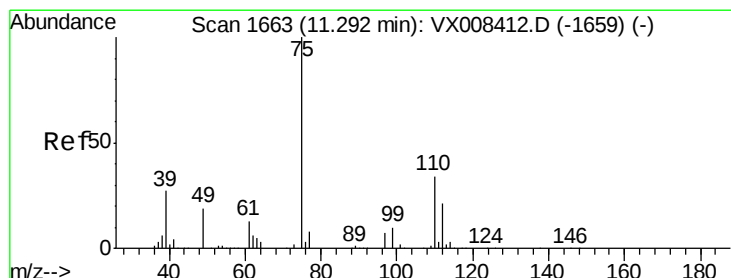
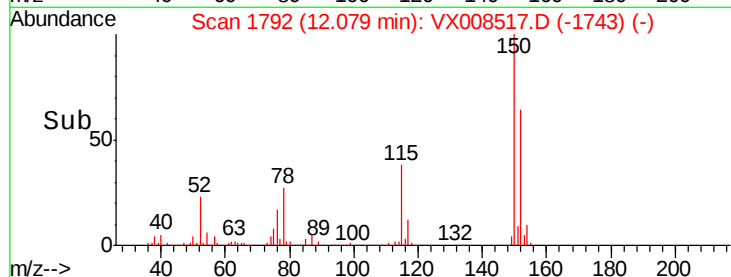
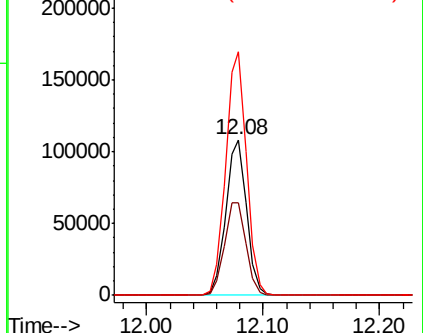
150 157.3 0.0 348.8



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: 20.912 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008517.D

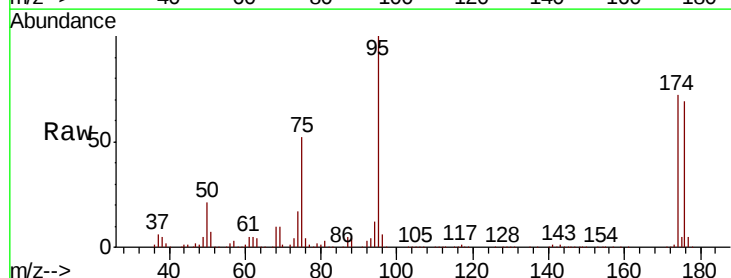
Acq: 28 Mar 2019 14:17

Tgt Ion: 75 Resp: 82628

Ion Ratio Lower Upper

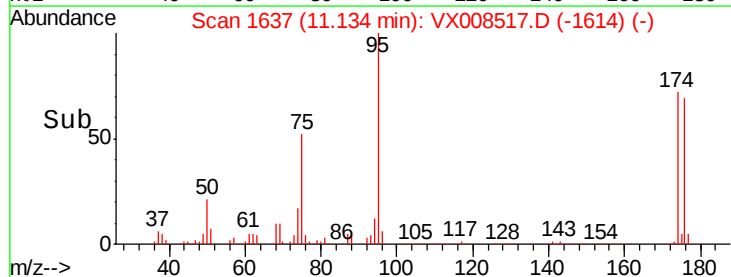
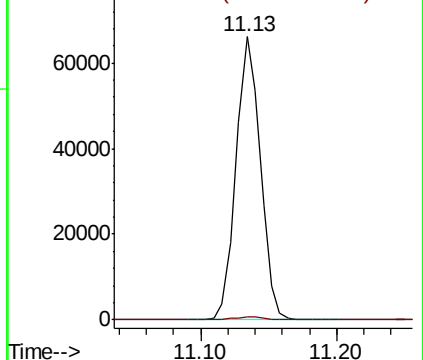
75 100

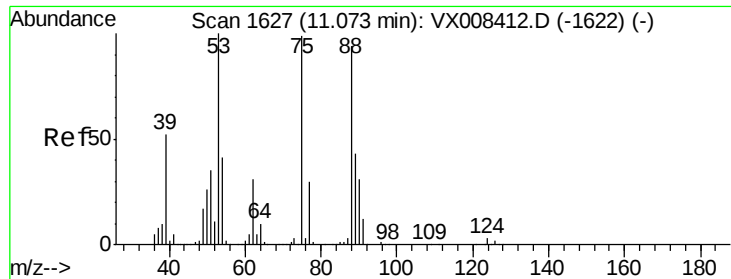
77 1.3 21.9 65.7#



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: 66.978 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008517.D

Acq: 28 Mar 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

SUMP-PIT-1

Tot Ion: 75 Resp: 82628

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#

