

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008426.D
 Acq On : 25 Mar 2019 21:46
 Operator : JC/SP
 Sample : K1945-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T1-UV(PRE)

Quant Time: Mar 26 06:05:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	398454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141996	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	169012	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	5.50	113	125392	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	502647	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	170454	44.28	ug/l	0.00
Spiked Amount			Recovery	=	88.56%	

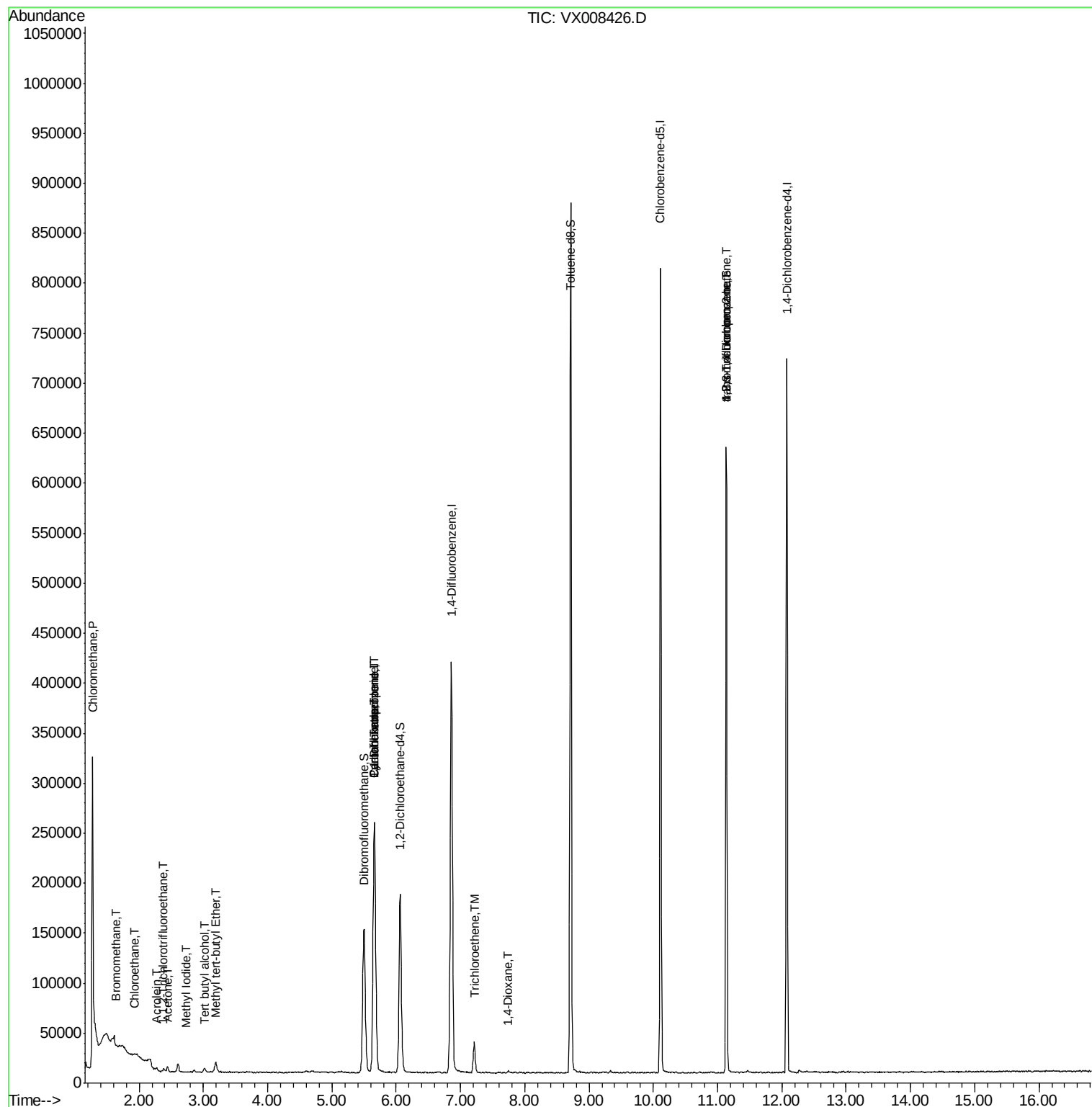
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.28	50	7392	1.492	ug/l #	42
5) Bromomethane	1.64	94	321	1.960	ug/l	82
6) Chloroethane	1.92	64	860	0.376	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1169	0.442	ug/l	95
10) Methyl Iodide	2.73	142	24	4.138	ug/l #	42
11) Tert butyl alcohol	3.02	59	2695	3.418	ug/l #	81
13) Acrolein	2.28	56	139	0.243	ug/l #	1
16) Acetone	2.44	43	5807	3.122	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	10765	1.094	ug/l	97
20) Methylene Chloride	2.85	84	1021	Below Cal	#	87
21) trans-1,2-Dichloroethene	3.17	96	156	Below Cal	#	65
31) Cyclohexane	5.67	56	5740	1.006	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20275	4.772	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23724	6.691	ug/l #	17
44) Trichloroethene	7.21	130	11369	3.807	ug/l	98
49) 1,4-Dioxane	7.74	88	1474	16.830	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	87574	20.745	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	87574	66.444	ug/l #	9

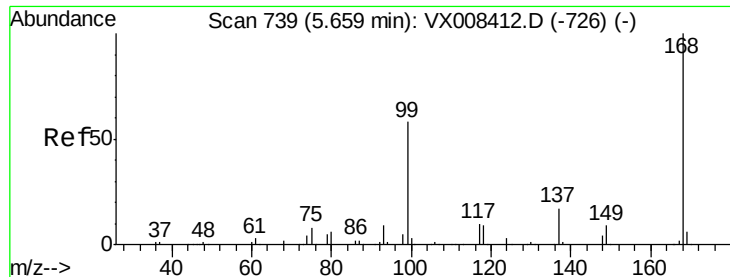
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032519\
Data File : VX008426.D
Acq On : 25 Mar 2019 21:46
Operator : JC/SP
Sample : K1945-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
M4-T1-UV(PRE)

Quant Time: Mar 26 06:05:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:58:03 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: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

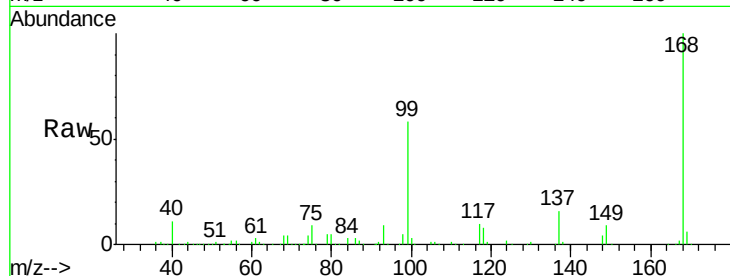
M4-T1-UV(PRE)

Tot Ion:168 Resp: 234710

Ion Ratio Lower Upper

168 100

99 58.2 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

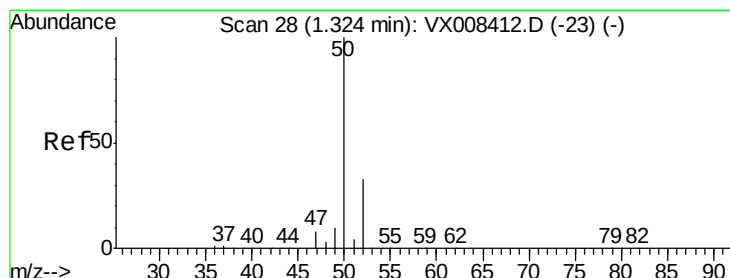
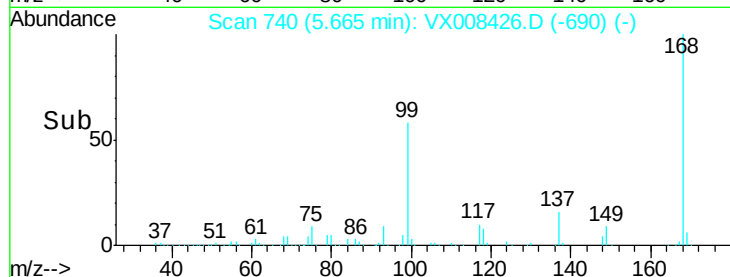
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 1.492 ug/l

RT: 1.28 min Scan# 20

Delta R.T. -0.05 min

Lab File: VX008426.D

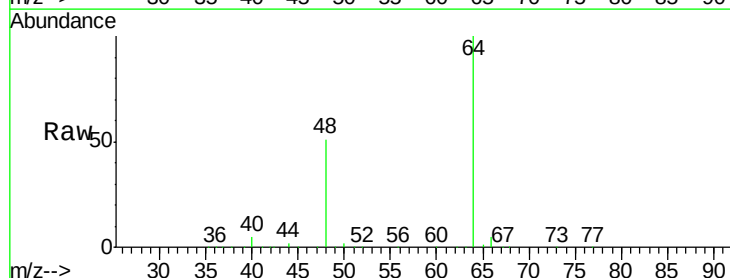
Acq: 25 Mar 2019 21:46

Tgt Ion: 50 Resp: 7392

Ion Ratio Lower Upper

50 100

52 0.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.28

5000

4000

3000

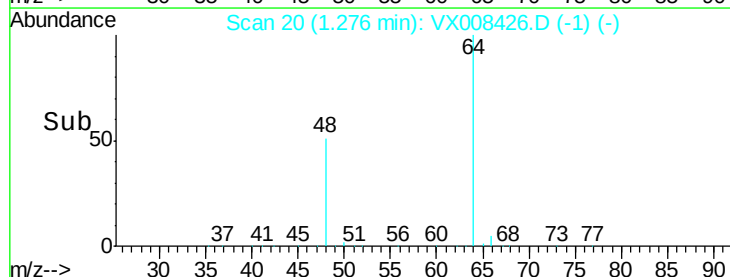
2000

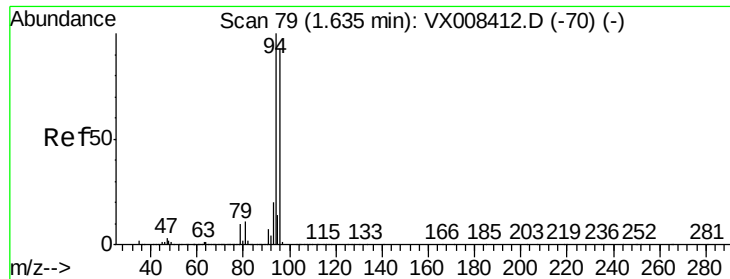
1000

0

Time-->

1.20 1.25 1.30





#5

Bromomethane

Concen: 1.960 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

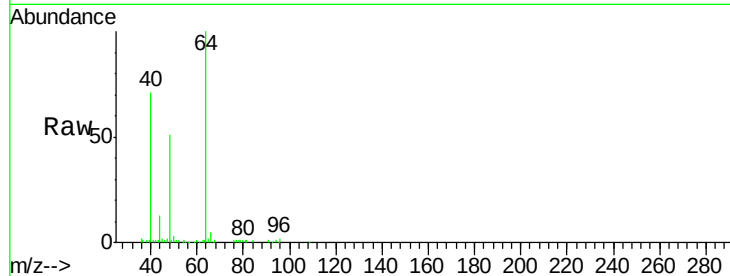
M4-T1-UV(PRE)

Tot Ion: 94 Resp: 321

Ion Ratio Lower Upper

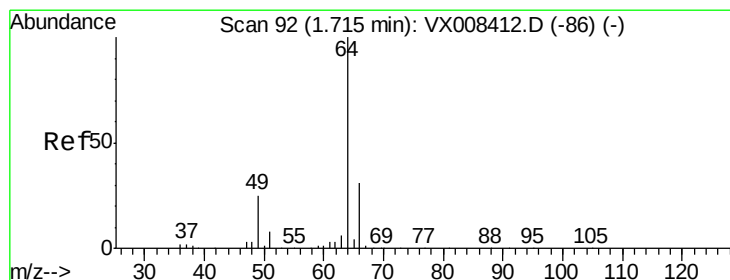
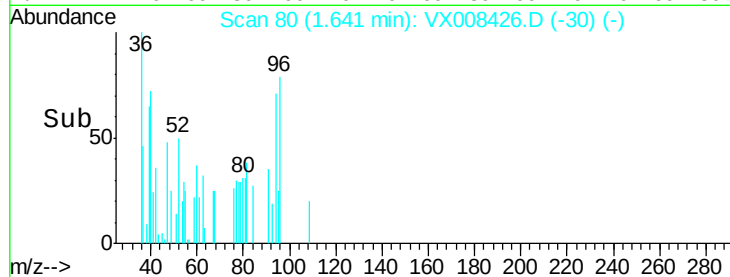
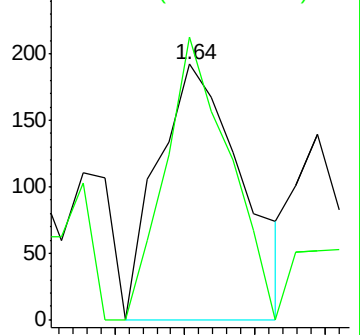
94 100

96 110.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.376 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.21 min

Lab File: VX008426.D

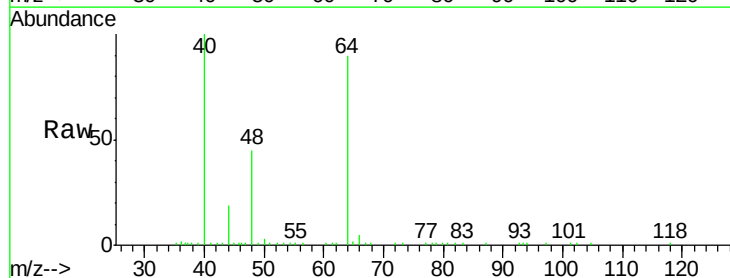
Acq: 25 Mar 2019 21:46

Tgt Ion: 64 Resp: 860

Ion Ratio Lower Upper

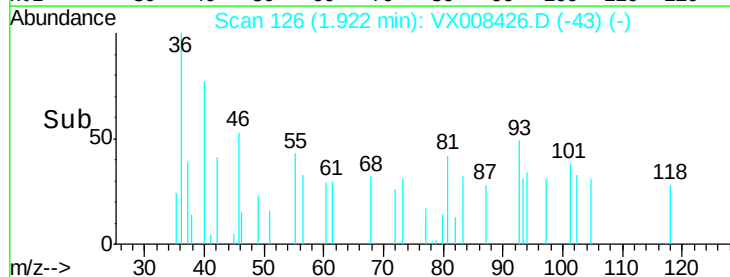
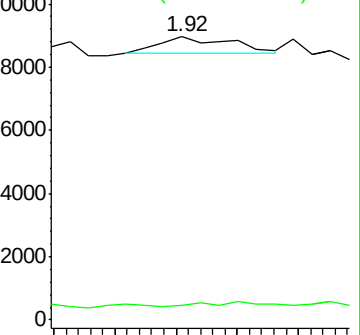
64 100

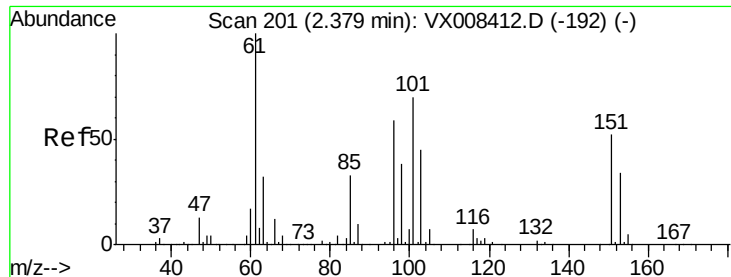
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.442 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

M4-T1-UV(PRE)

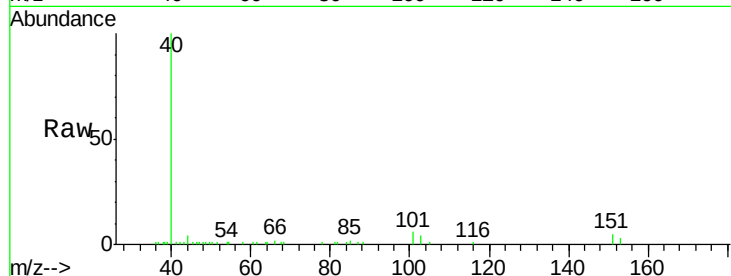
Tot Ion:101 Resp: 1169

Ion Ratio Lower Upper

101 100

85 50.3 36.0 54.0

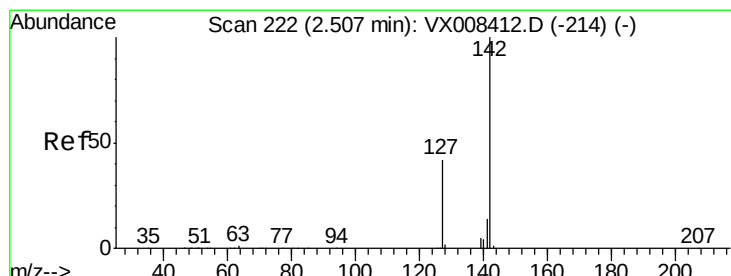
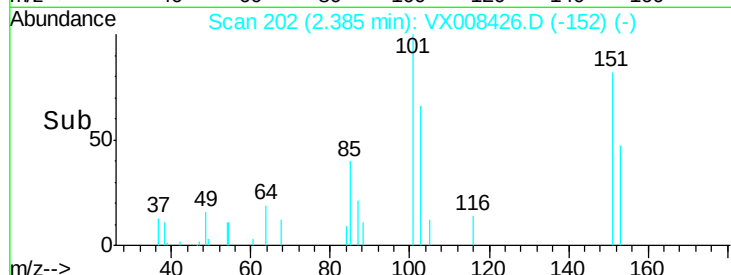
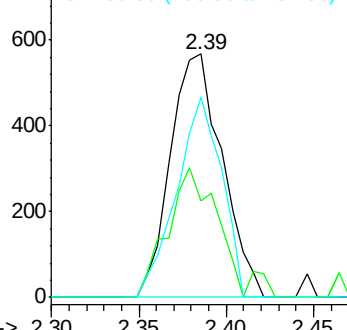
151 71.4 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.138 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.22 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

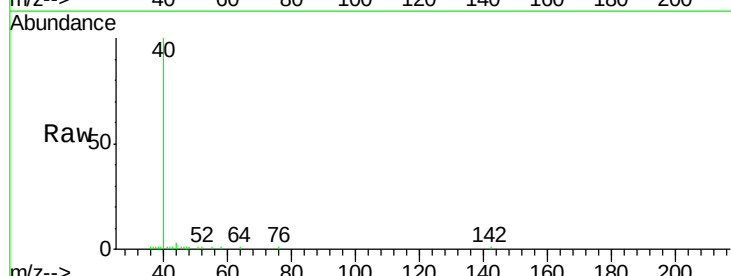
Tgt Ion:142 Resp: 24

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

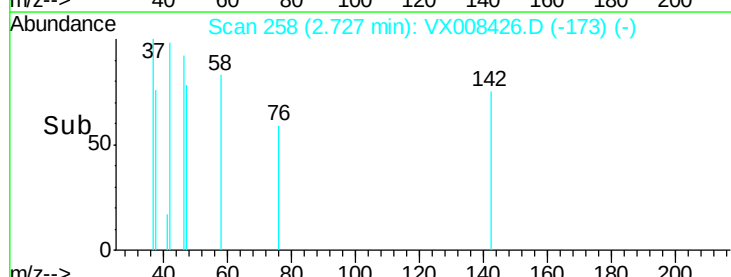
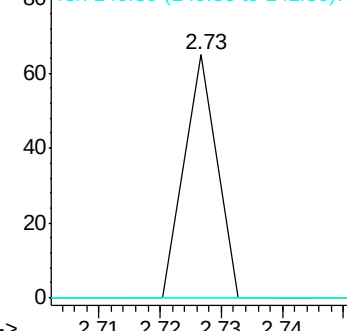
141 0.0 11.3 16.9#

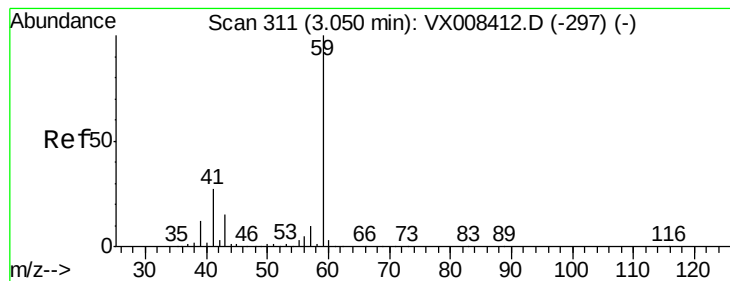


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 3.418 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

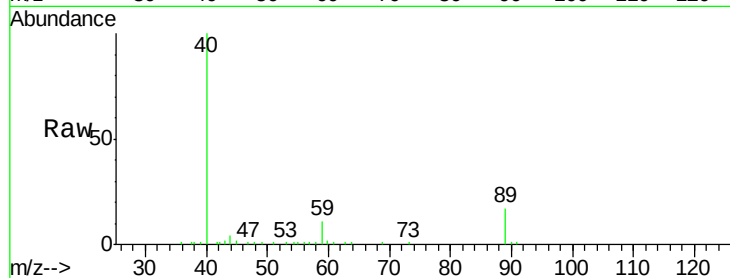
M4-T1-UV(PRE)

Tot Ion: 59 Resp: 2695

Ion Ratio Lower Upper

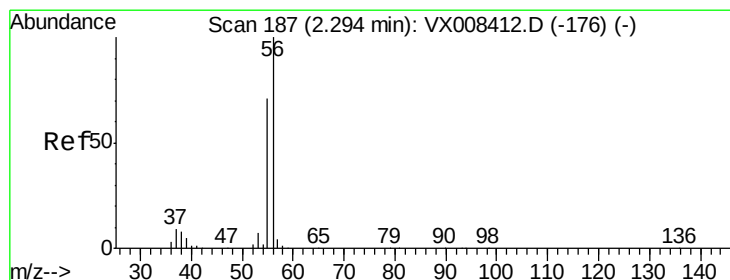
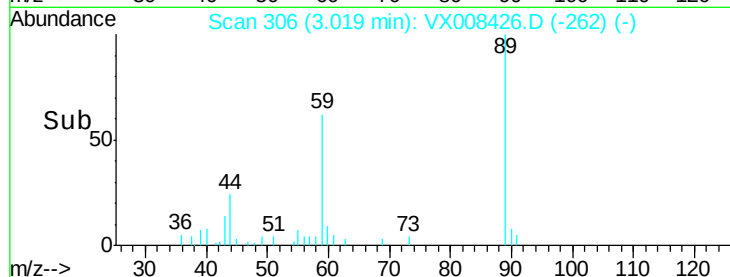
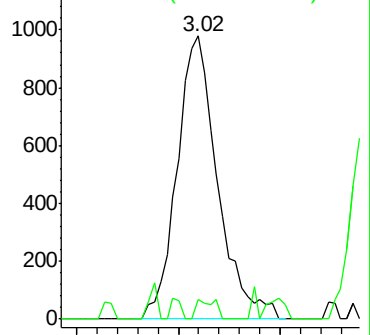
59 100

57 3.3 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.243 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008426.D

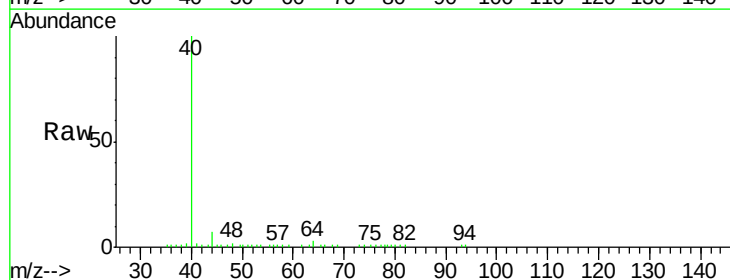
Acq: 25 Mar 2019 21:46

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

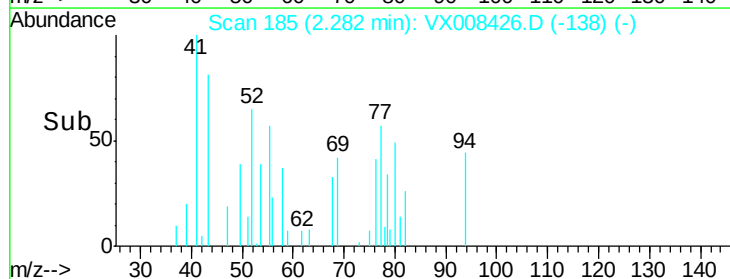
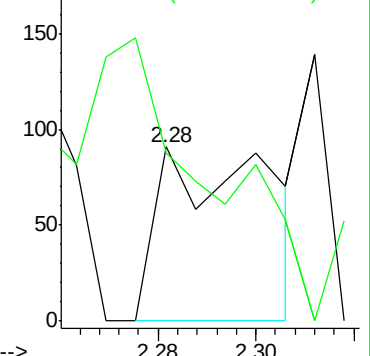
56 100

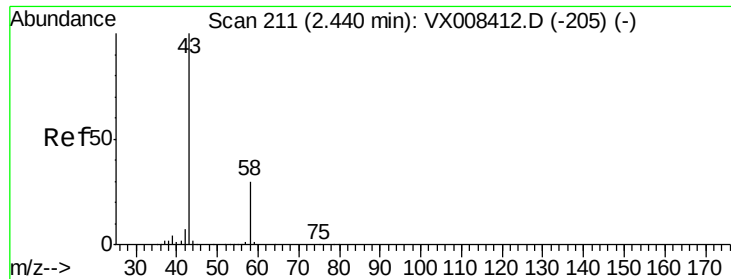
55 169.1 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.122 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

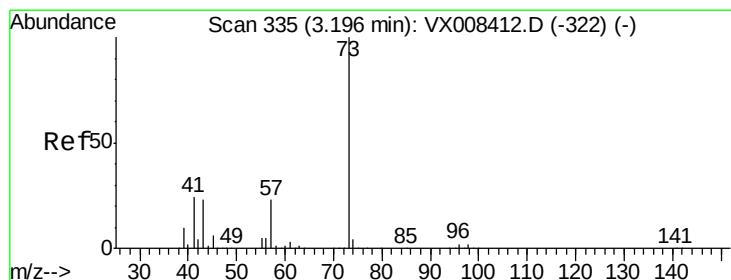
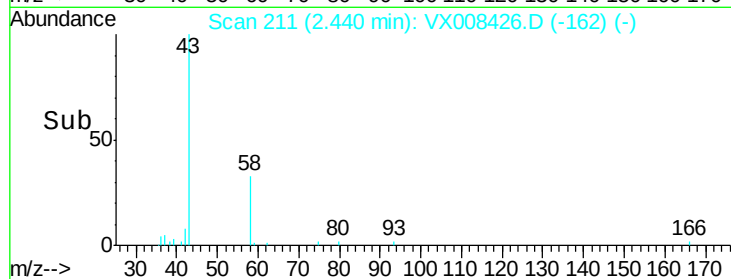
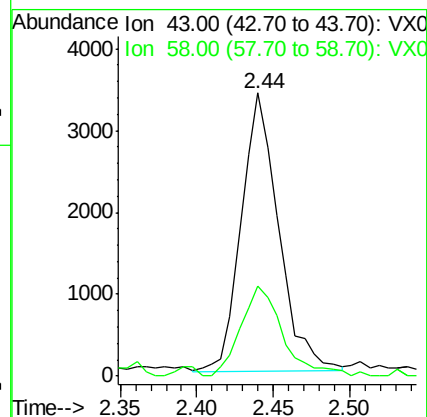
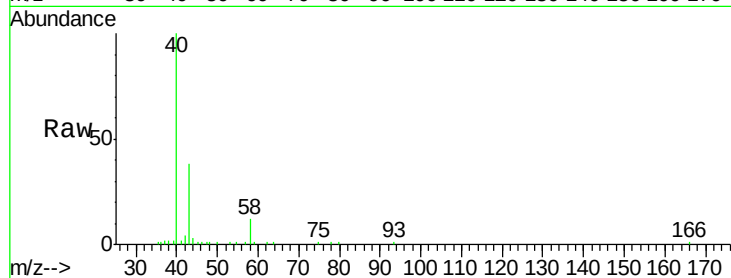
M4-T1-UV(PRE)

Tot Ion: 43 Resp: 5807

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.2



#19

Methyl tert-butyl Ether

Concen: 1.094 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008426.D

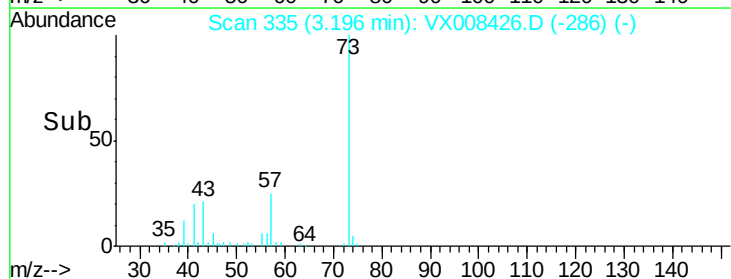
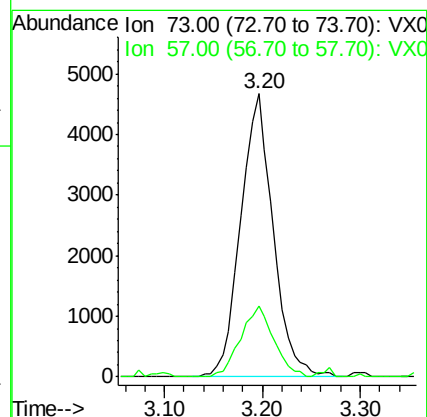
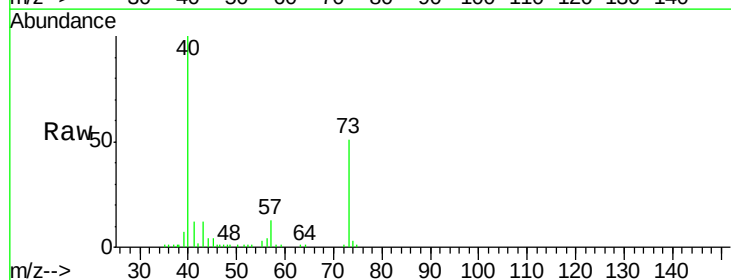
Acq: 25 Mar 2019 21:46

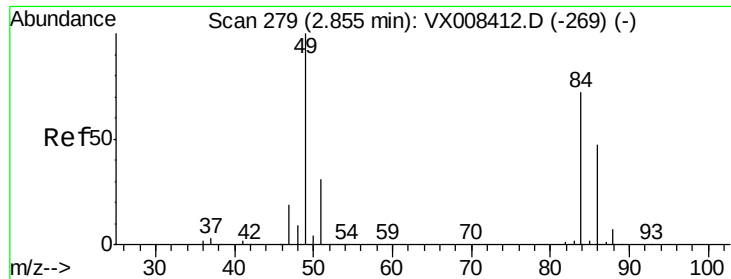
Tgt Ion: 73 Resp: 10765

Ion Ratio Lower Upper

73 100

57 24.9 18.6 28.0

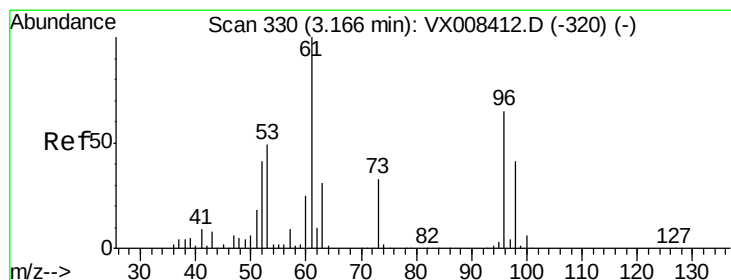
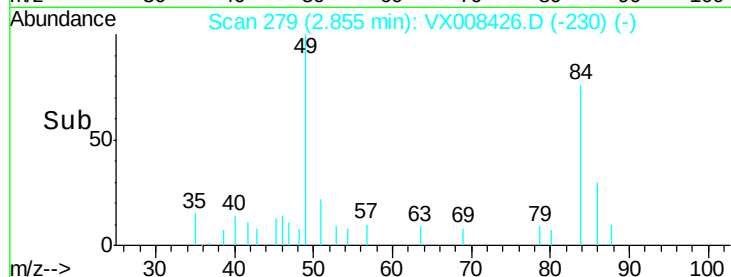
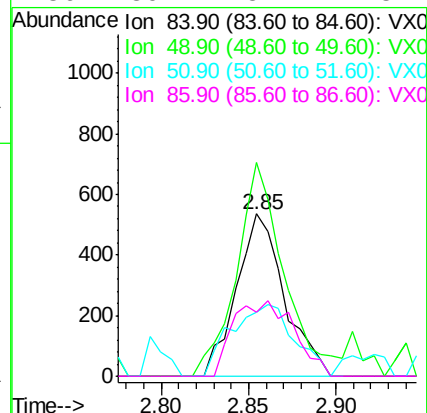
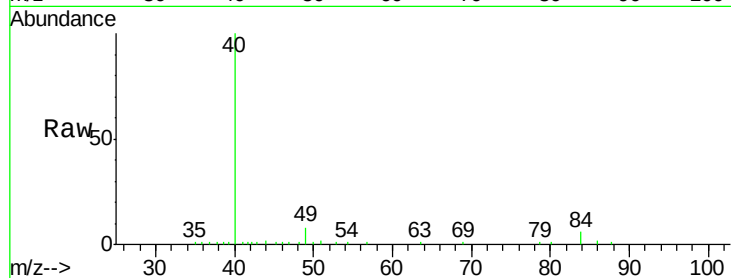




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008426.D
Acq: 25 Mar 2019 21:46

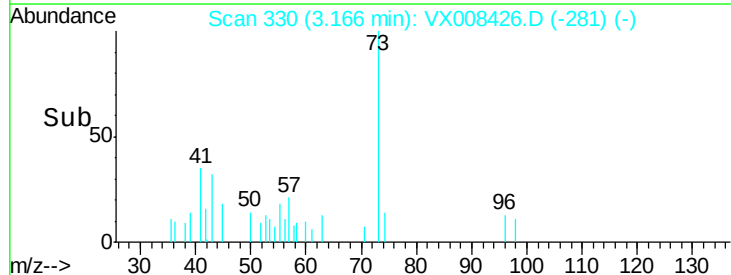
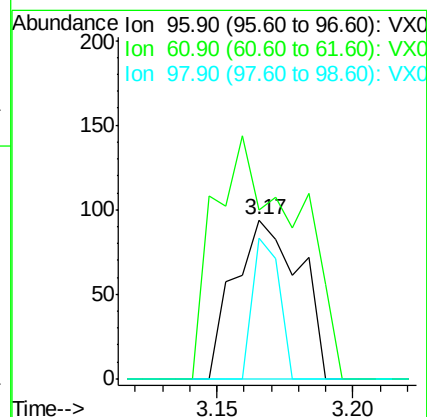
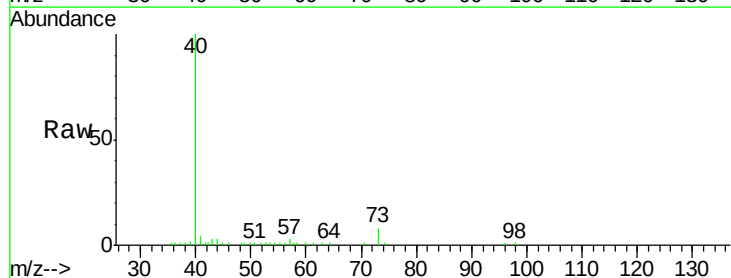
Instrument :
MSVOA_X
ClientSampled :
M4-T1-UV(PRE)

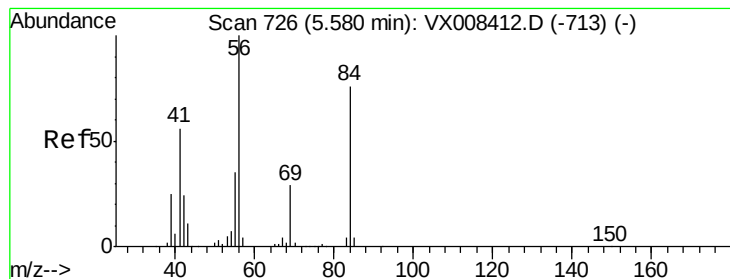
Tot Ion: 84 Resp: 1021
Ion Ratio Lower Upper
84 100
49 131.5 110.6 165.8
51 39.4 33.9 50.9
86 39.4 52.2 78.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008426.D
Acq: 25 Mar 2019 21:46

Tgt Ion: 96 Resp: 156
Ion Ratio Lower Upper
96 100
61 106.4 122.6 184.0#
98 88.3 50.9 76.3#





#31

Cyclohexane

Concen: 1.006 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

M4-T1-UV(PRE)

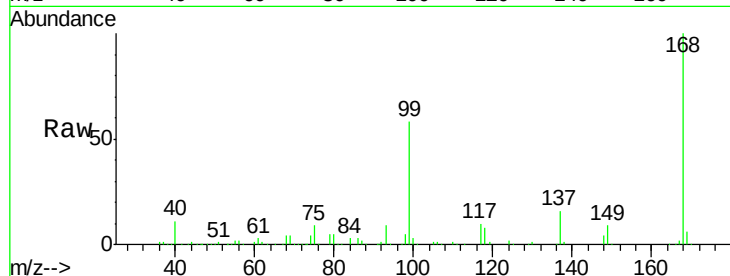
Tot Ion: 56 Resp: 5740

Ion Ratio Lower Upper

56 100

69 172.9 23.2 34.8#

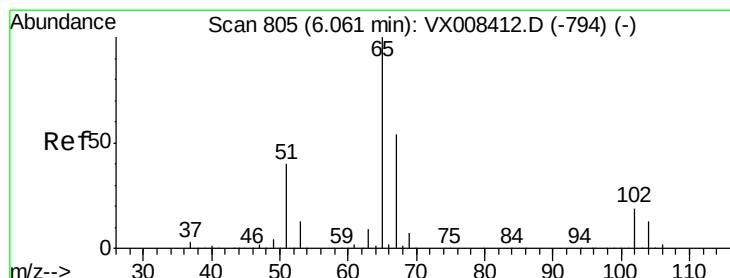
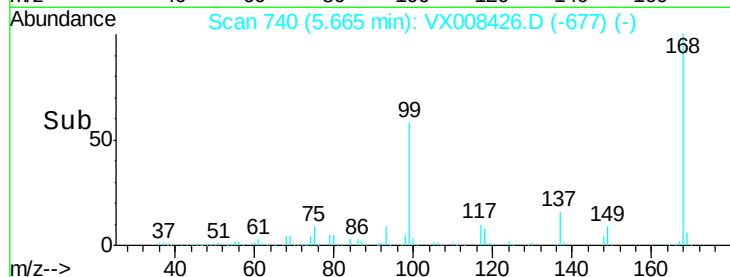
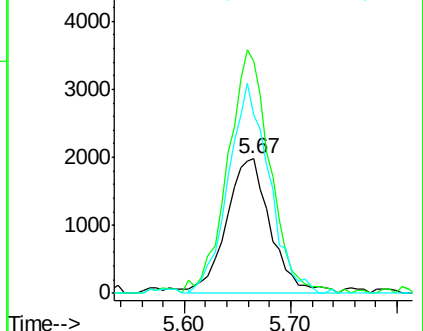
84 132.7 60.7 91.1#



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: 47.498 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008426.D

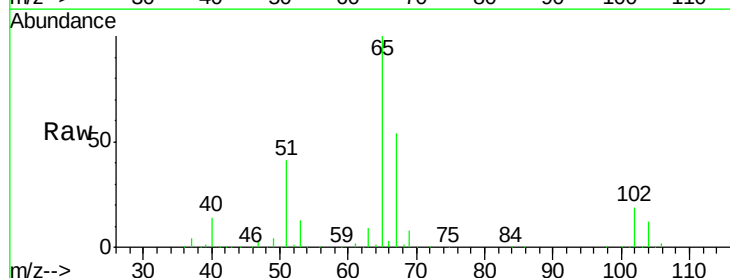
Acq: 25 Mar 2019 21:46

Tgt Ion: 65 Resp: 169012

Ion Ratio Lower Upper

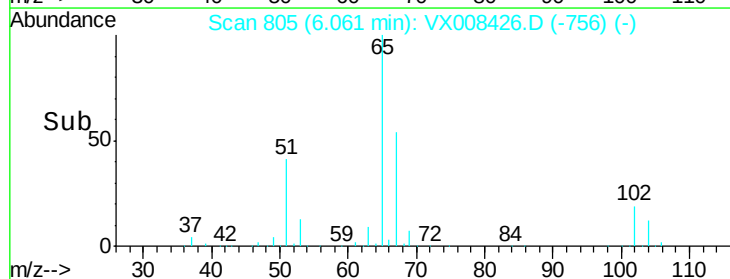
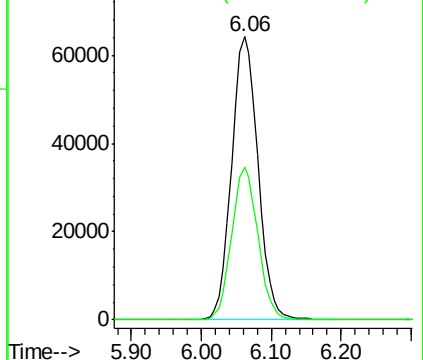
65 100

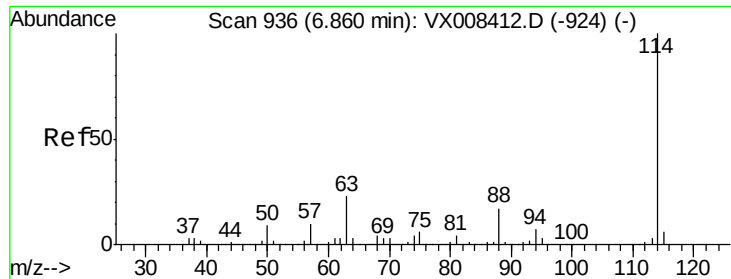
67 53.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

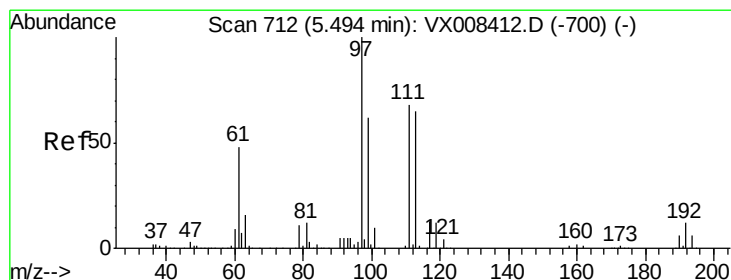
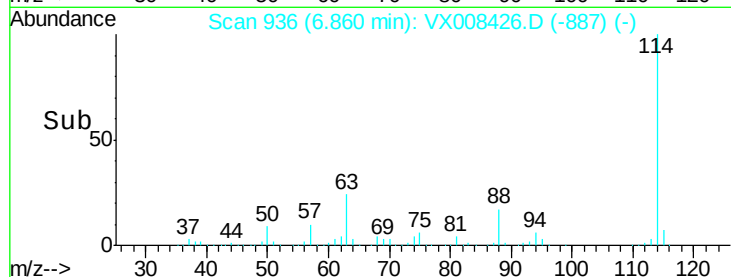
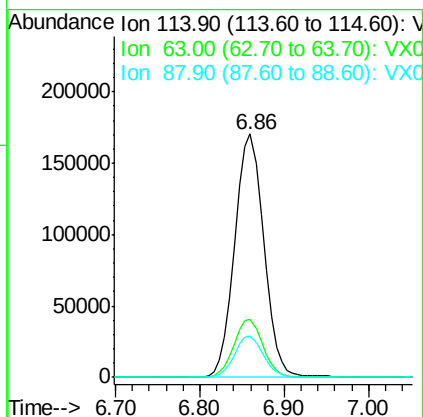
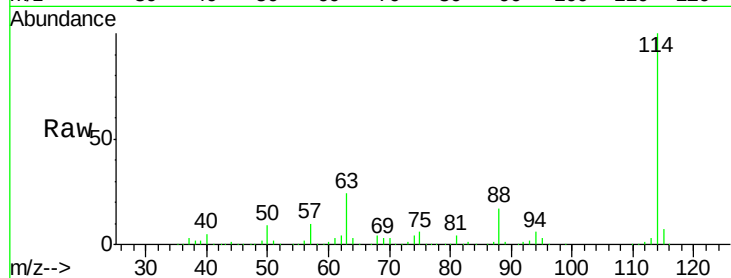




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008426.D
Acq: 25 Mar 2019 21:46

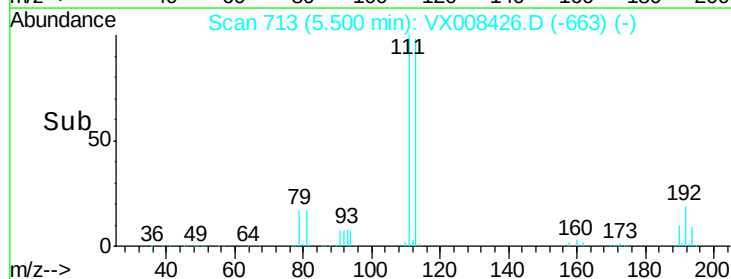
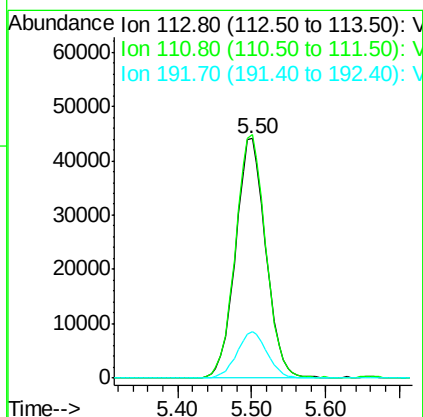
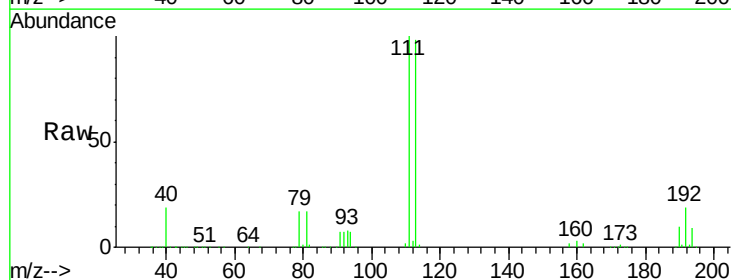
Instrument :
MSVOA_X
ClientSampleId :
M4-T1-UV(PRE)

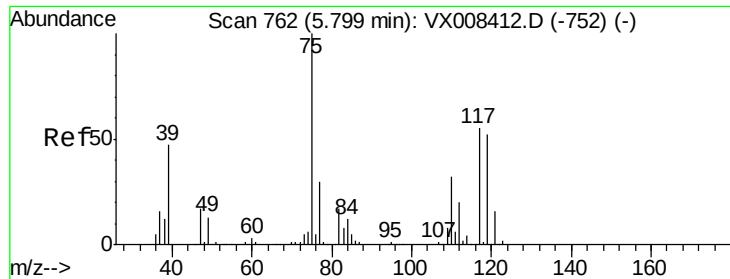
Tot Ion:114 Resp: 398454
Ion Ratio Lower Upper
114 100
63 23.7 0.0 46.4
88 17.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.263 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008426.D
Acq: 25 Mar 2019 21:46

Tgt Ion:113 Resp: 125392
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.4
192 19.5 15.6 23.4

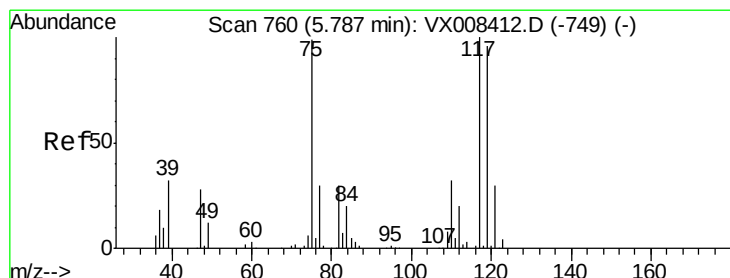
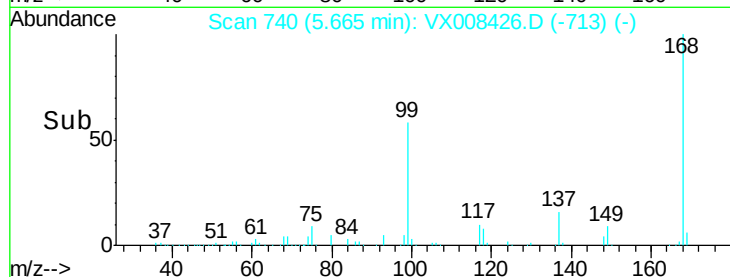
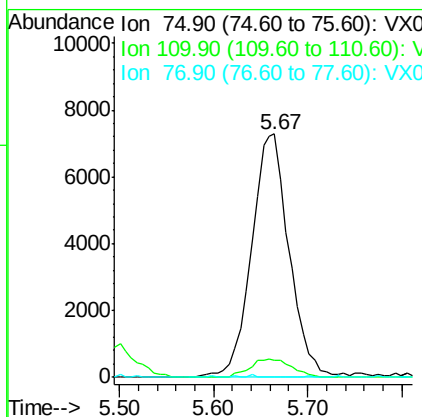
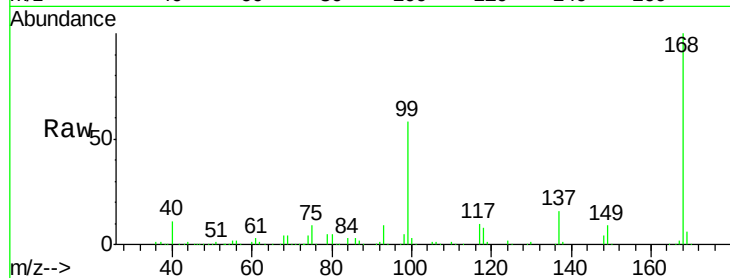




#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008426.D
 Acq: 25 Mar 2019 21:46

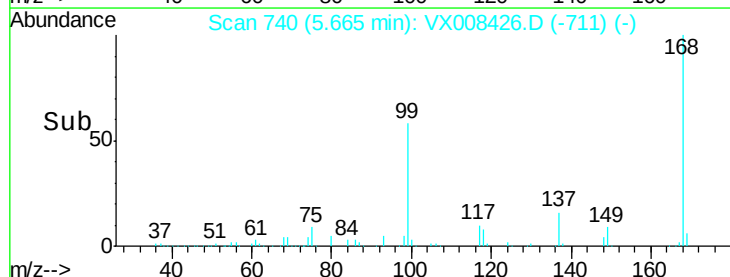
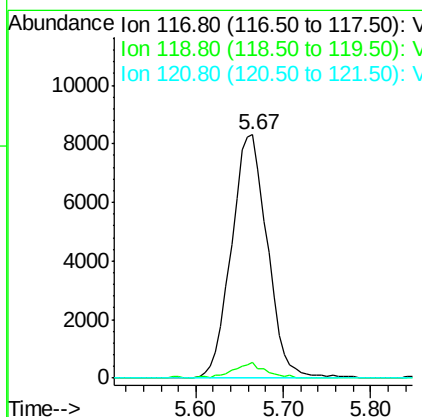
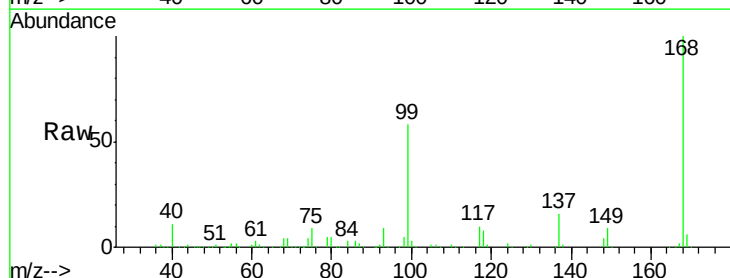
Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T1-UV(PRE)

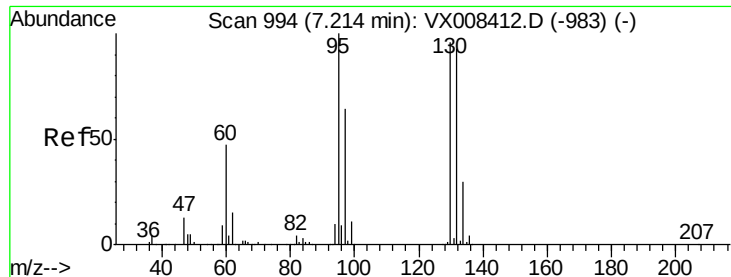
Tot Ion: 75 Resp: 20275
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.6 49.7#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.691 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008426.D
 Acq: 25 Mar 2019 21:46

Tgt Ion: 117 Resp: 23724
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.7 115.1#
 121 0.0 24.3 36.5#





#44

Trichloroethene

Concen: 3.807 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

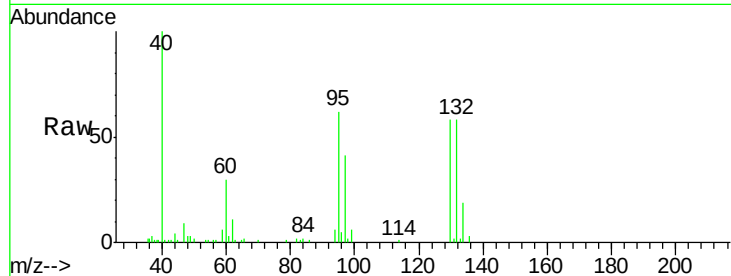
M4-T1-UV(PRE)

Tot Ion:130 Resp: 11369

Ion Ratio Lower Upper

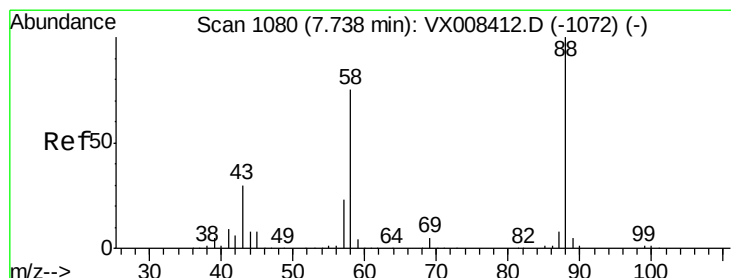
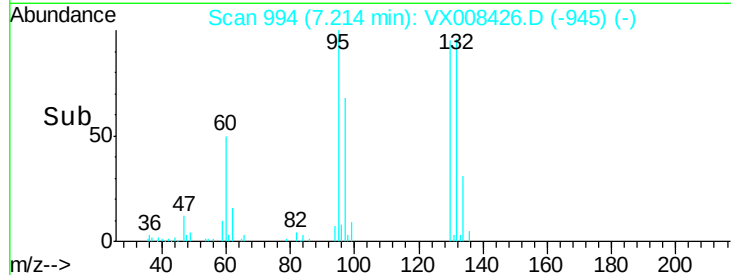
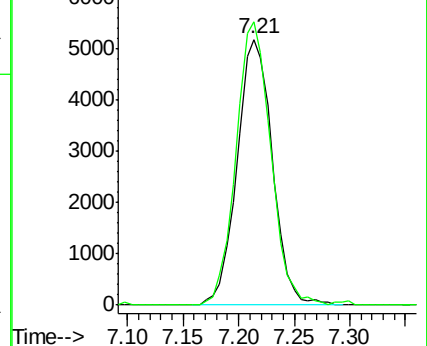
130 100

95 106.6 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 16.830 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

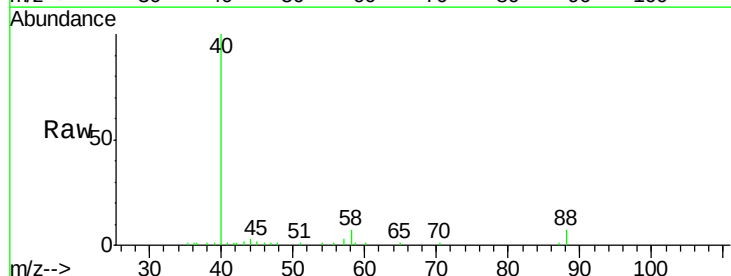
Tgt Ion: 88 Resp: 1474

Ion Ratio Lower Upper

88 100

43 47.8 28.6 43.0#

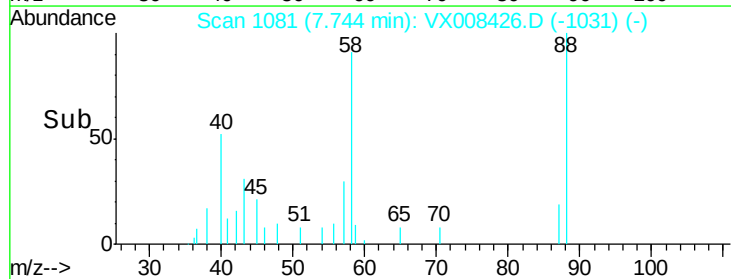
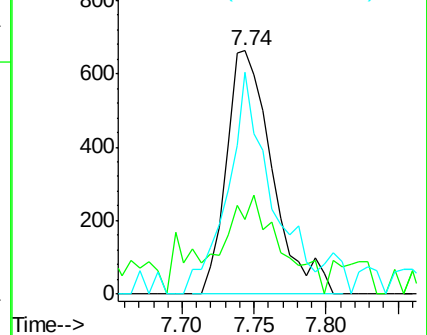
58 86.6 63.0 94.4

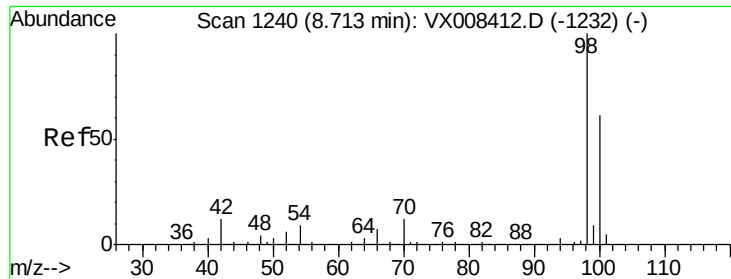


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.384 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

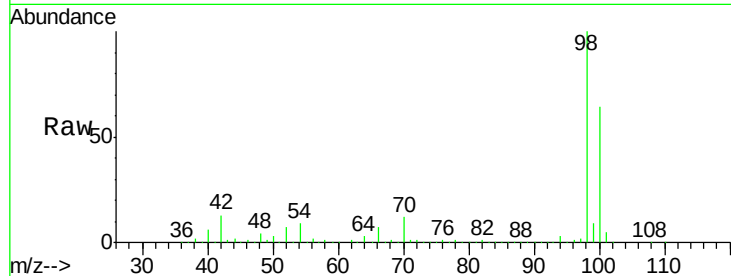
M4-T1-UV(PRE)

Tot Ion: 98 Resp: 502647

Ion Ratio Lower Upper

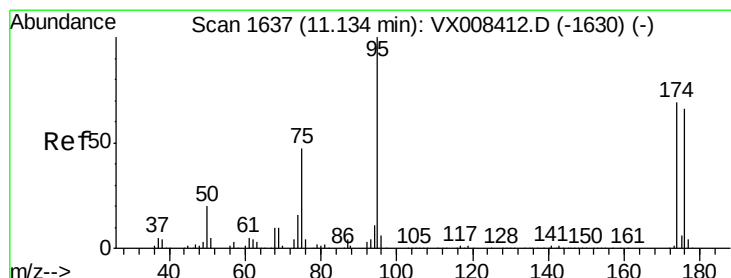
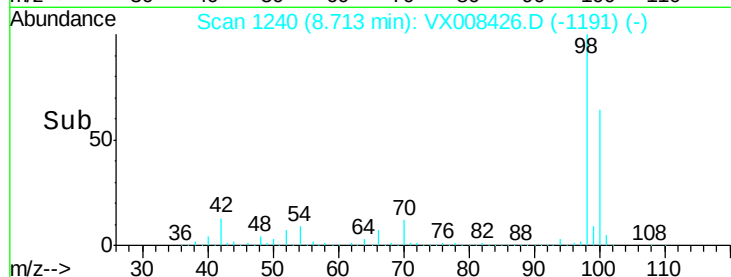
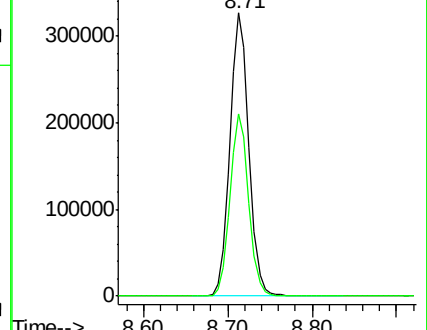
98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.277 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

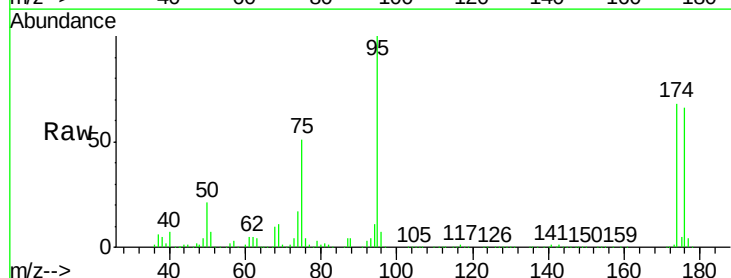
Tgt Ion: 95 Resp: 170454

Ion Ratio Lower Upper

95 100

174 72.9 0.0 147.2

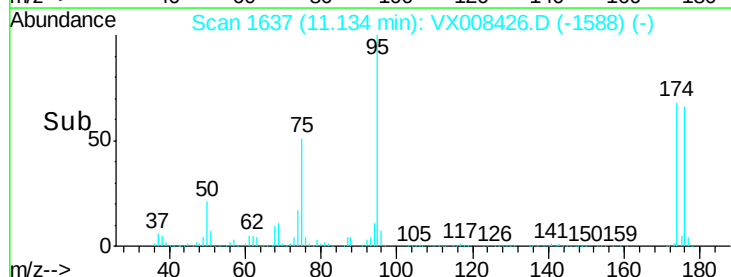
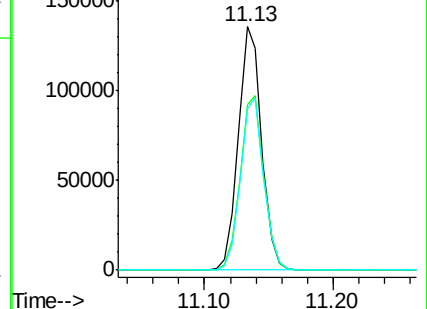
176 70.8 0.0 142.4

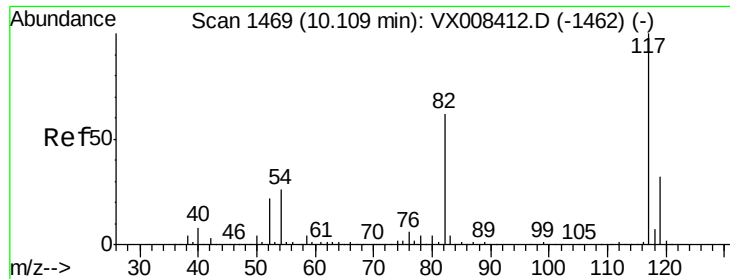


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

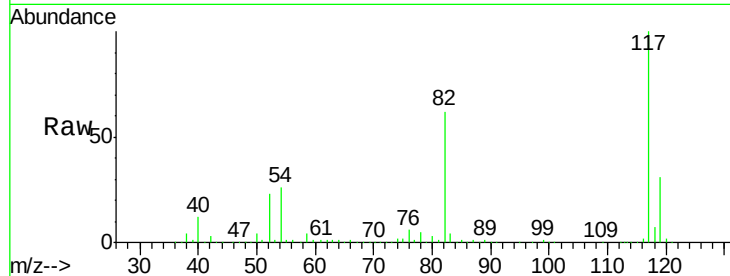




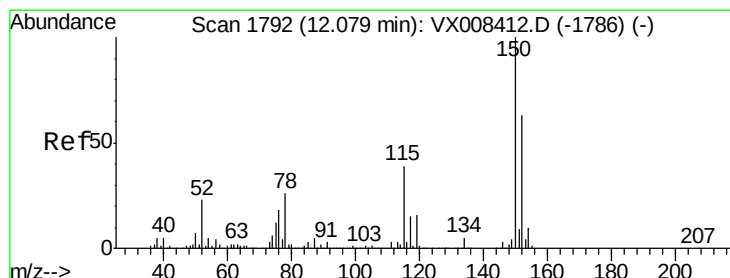
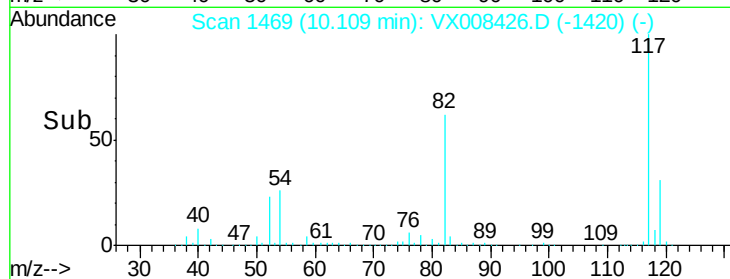
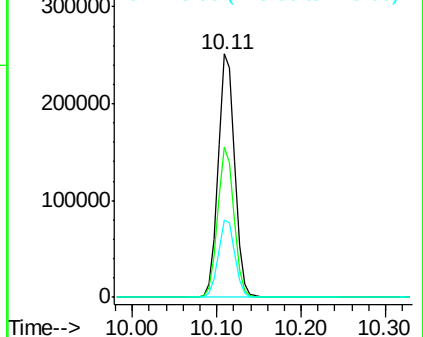
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008426.D
Acq: 25 Mar 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
M4-T1-UV(PRE)

Tot Ion:117 Resp: 343674
Ion Ratio Lower Upper
117 100
82 61.8 49.4 74.2
119 31.5 25.4 38.0

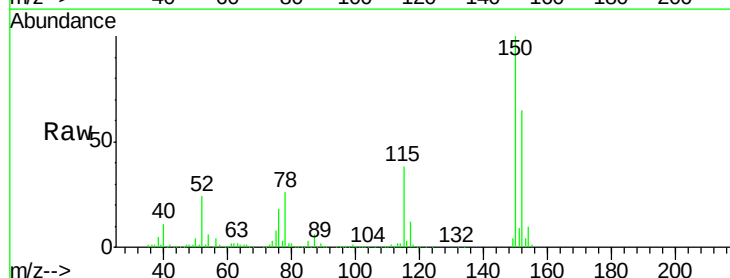


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

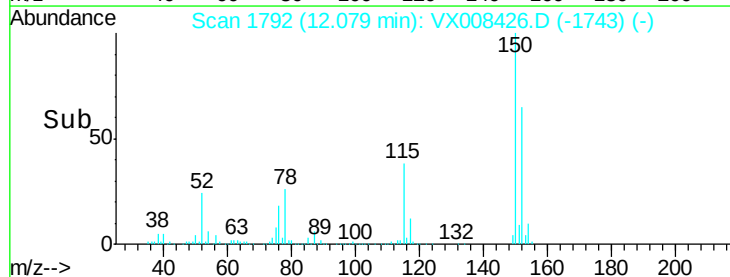
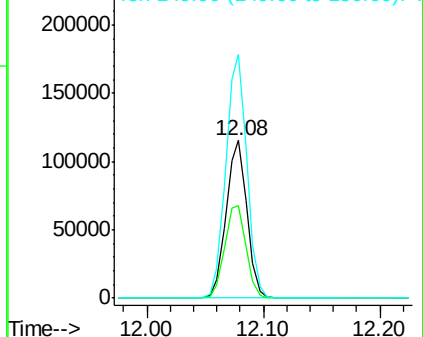


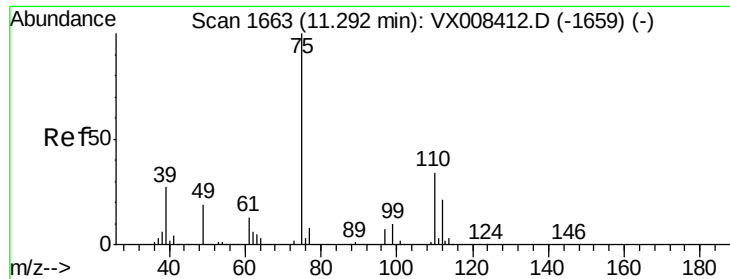
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008426.D
Acq: 25 Mar 2019 21:46

Tgt Ion:152 Resp: 141996
Ion Ratio Lower Upper
152 100
115 60.7 43.5 130.5
150 156.3 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: 20.745 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

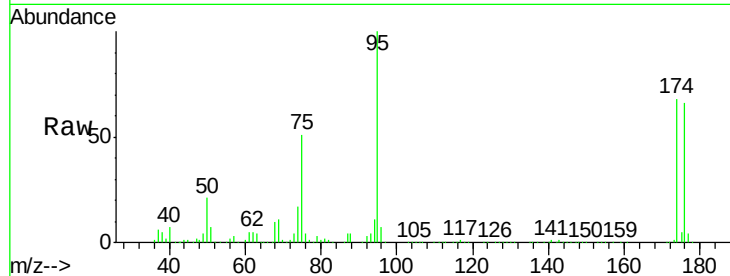
M4-T1-UV(PRE)

Tot Ion: 75 Resp: 87574

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

11.13

80000

60000

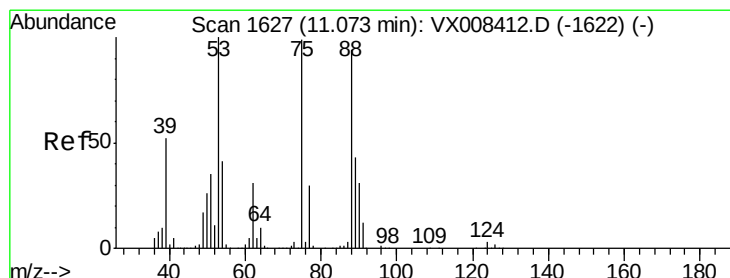
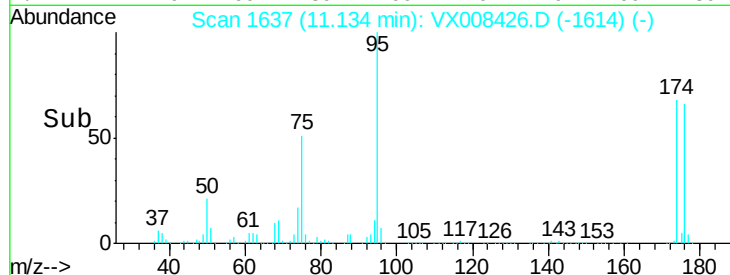
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.444 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008426.D

Acq: 25 Mar 2019 21:46

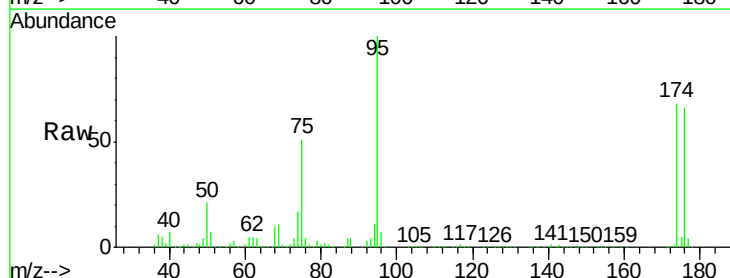
Tgt Ion: 75 Resp: 87574

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

80000

60000

40000

20000

0

Time-->

11.10 11.20

