

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010526.D
 Acq On : 28 Jun 2019 10:51
 Operator : JC/SP
 Sample : VX0628WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL01

Quant Time: Jun 29 04:35:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	276082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	413863	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	363369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	161626	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	137858	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
35) Dibromofluoromethane	5.49	113	137635	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
50) Toluene-d8	8.71	98	514924	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	11.13	95	164865	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

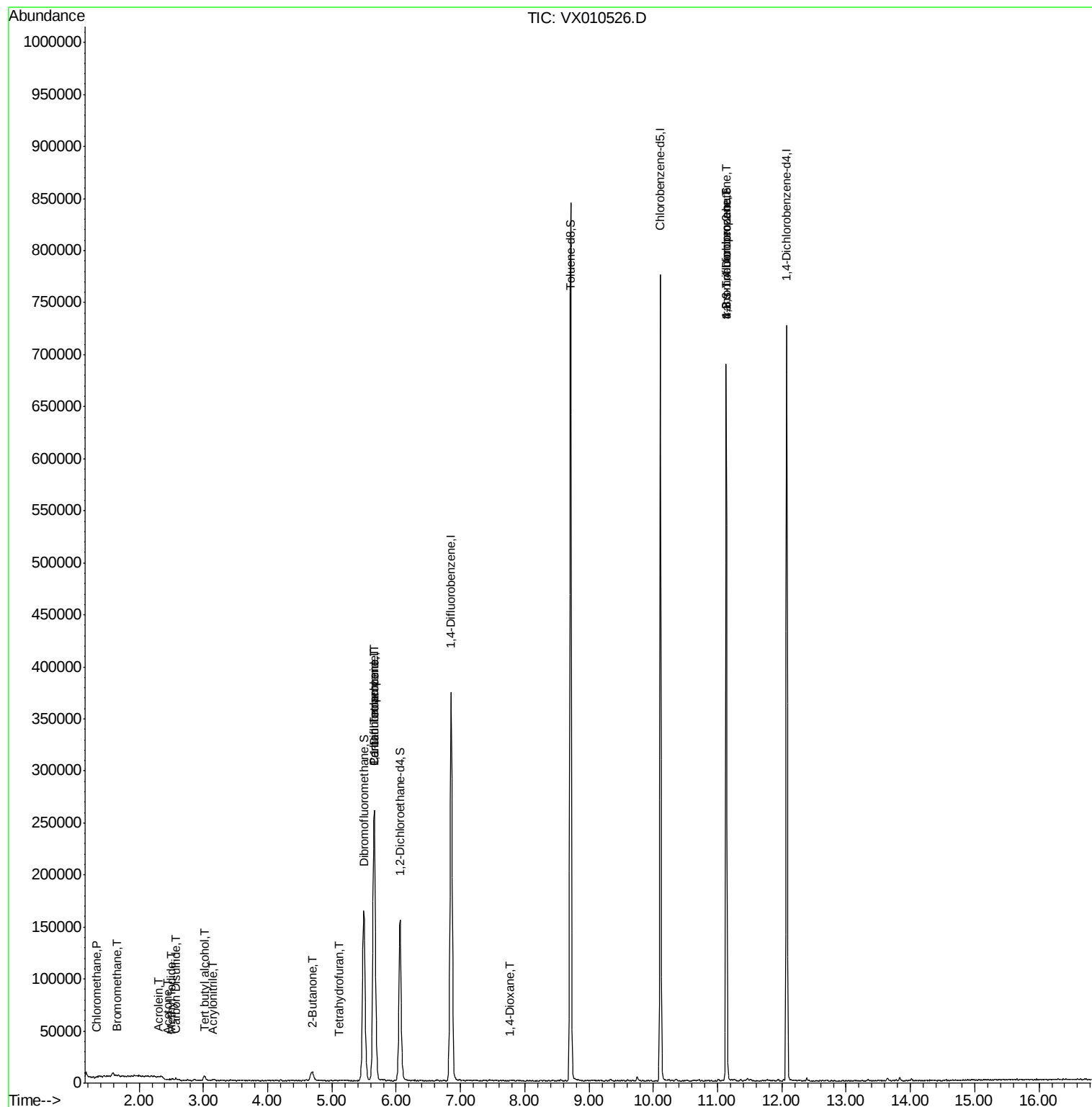
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	695	0.311	ug/l	89
5) Bromomethane	1.66	94	644	0.540	ug/l #	71
10) Methyl Iodide	2.51	142	850	0.253	ug/l	96
11) Tert butyl alcohol	3.01	59	2493	3.681	ug/l #	81
13) Acrolein	2.29	56	678	1.509	ug/l #	68
15) Acrylonitrile	3.15	53	558	0.416	ug/l #	53
16) Acetone	2.45	43	358	0.276	ug/l #	76
17) Carbon Disulfide	2.57	76	1489	0.232	ug/l #	91
25) 2-Butanone	4.68	43	691	0.363	ug/l #	57
29) Tetrahydrofuran	5.12	42	321	0.272	ug/l #	37
36) 1,1-Dichloropropene	5.65	75	16675	5.070	ug/l #	48
38) Carbon Tetrachloride	5.67	117	24097	6.766	ug/l #	14
49) 1,4-Dioxane	7.76	88	19	0.253	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79357	26.944	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79357	62.858	ug/l #	16

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

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Quant Time: Jun 29 04:35:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

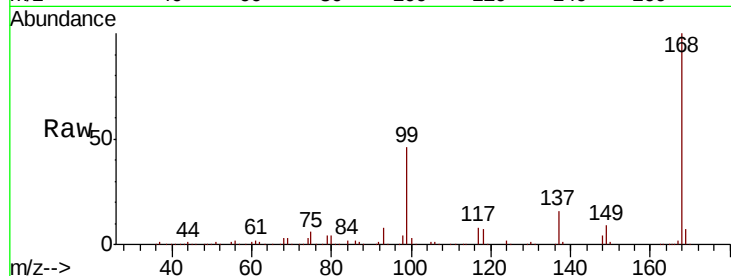
VX0628WBL01

Tot Ion:168 Resp: 276082

Ion Ratio Lower Upper

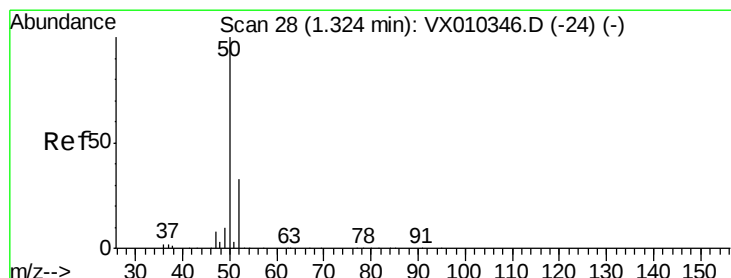
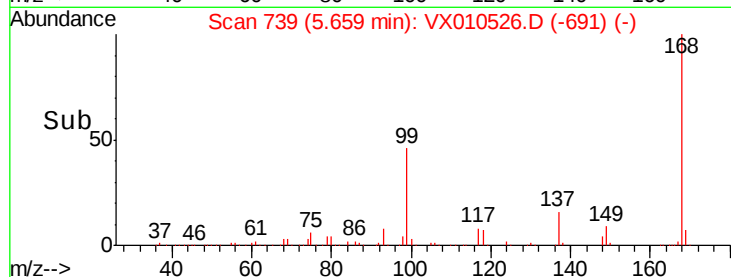
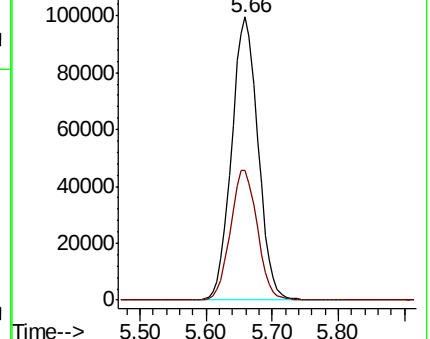
168 100

99 45.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.311 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010526.D

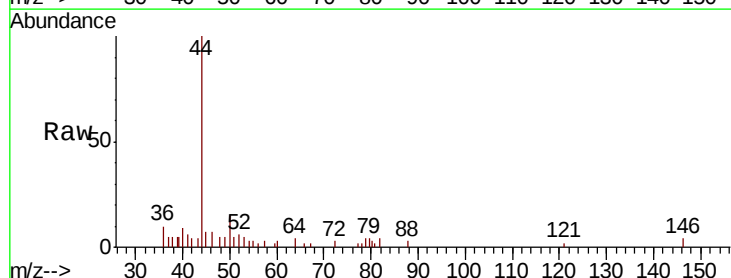
Acq: 28 Jun 2019 10:51

Tgt Ion: 50 Resp: 695

Ion Ratio Lower Upper

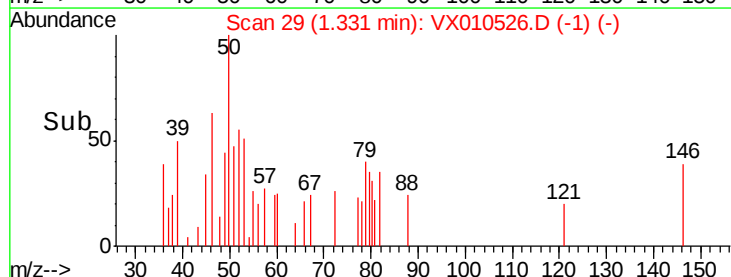
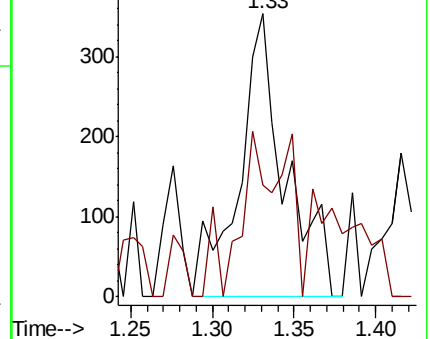
50 100

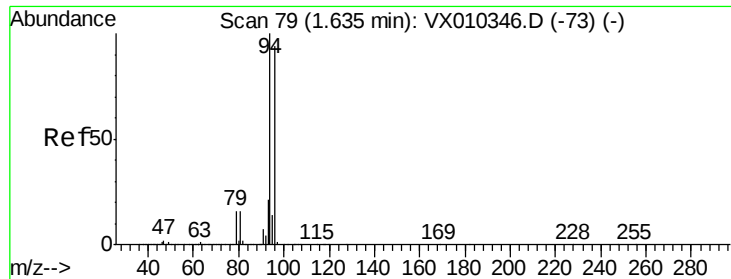
52 39.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.540 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

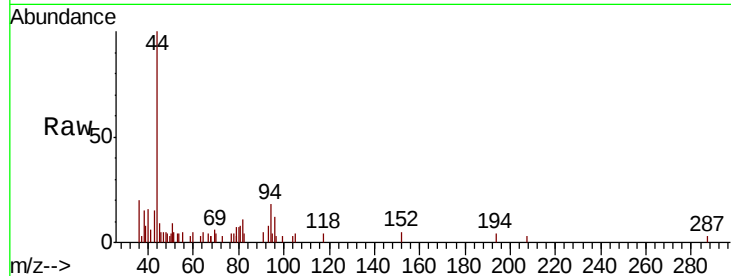
VX0628WBL01

Tot Ion: 94 Resp: 644

Ion Ratio Lower Upper

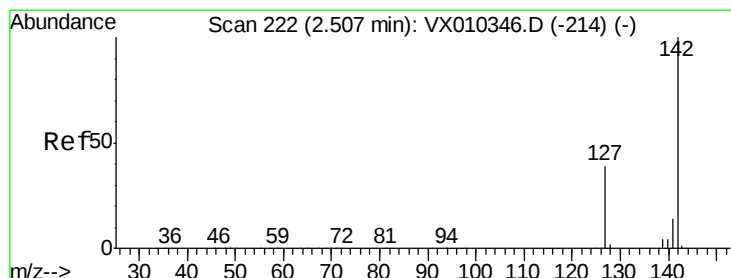
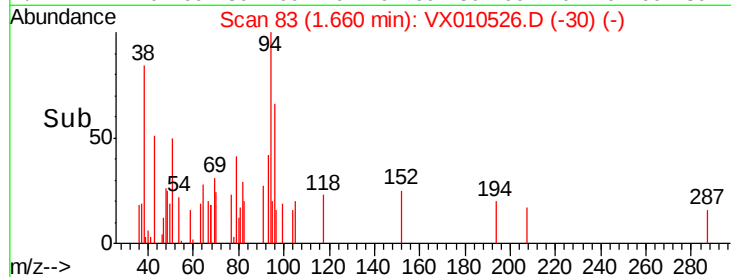
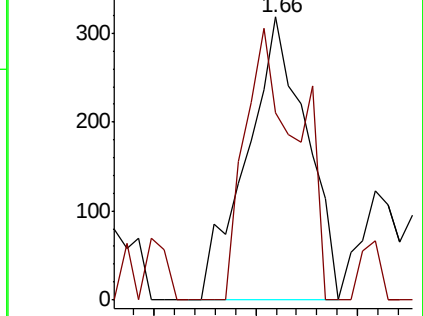
94 100

96 66.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.253 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

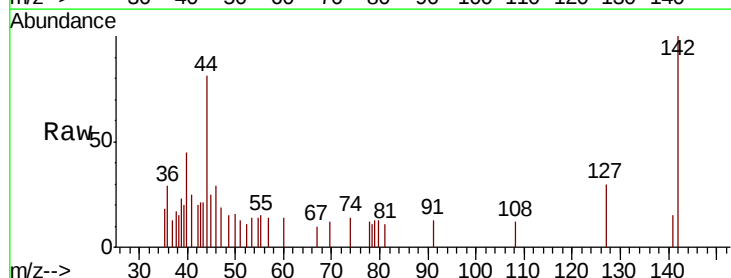
Tgt Ion: 142 Resp: 850

Ion Ratio Lower Upper

142 100

127 42.1 31.1 46.7

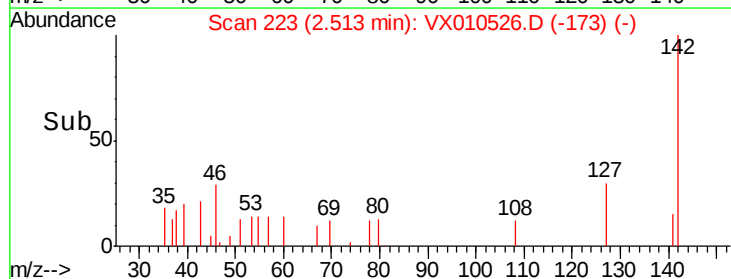
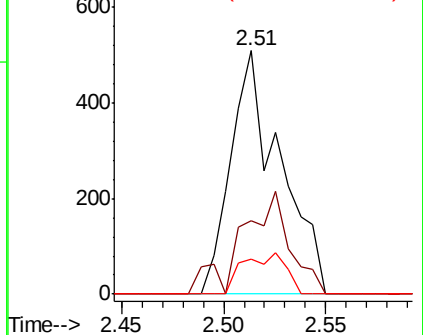
141 14.7 11.2 16.8

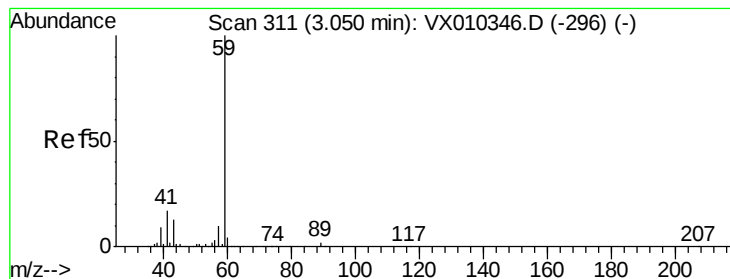


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



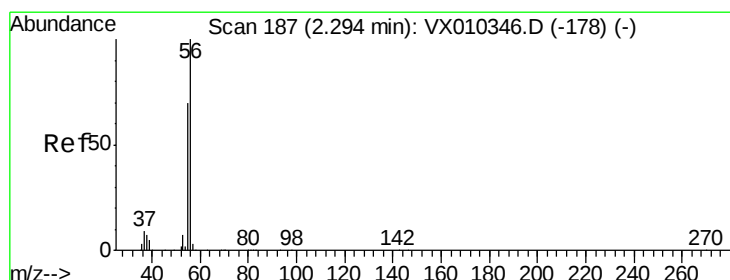
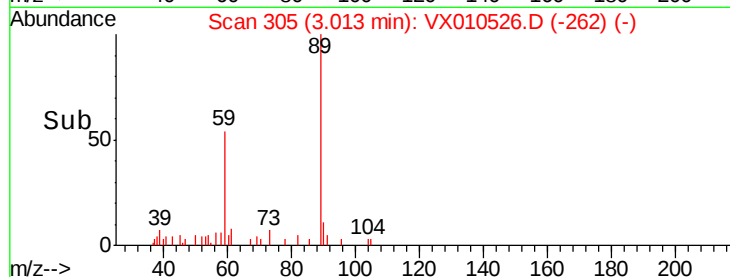
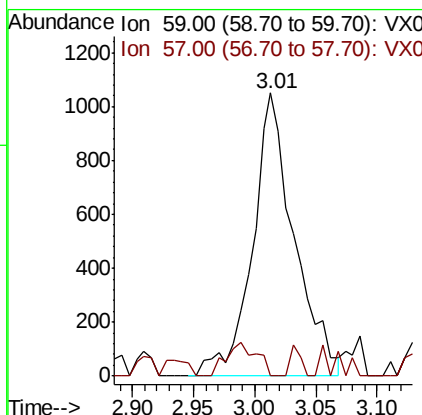
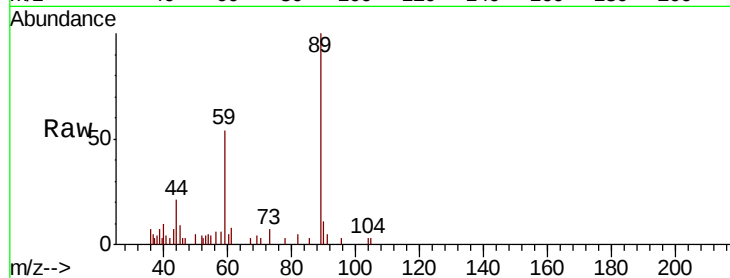


#11

Tert butyl alcohol
 Concen: 3.681 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010526.D
 Acq: 28 Jun 2019 10:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL01

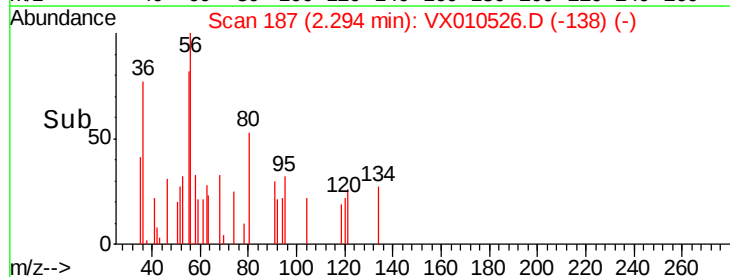
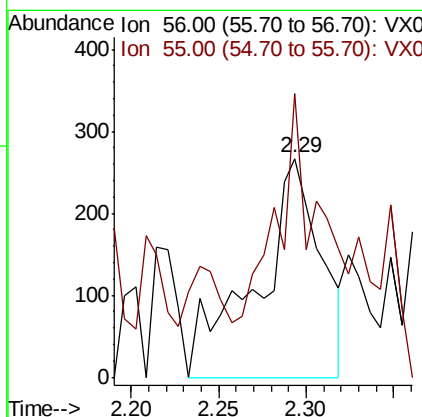
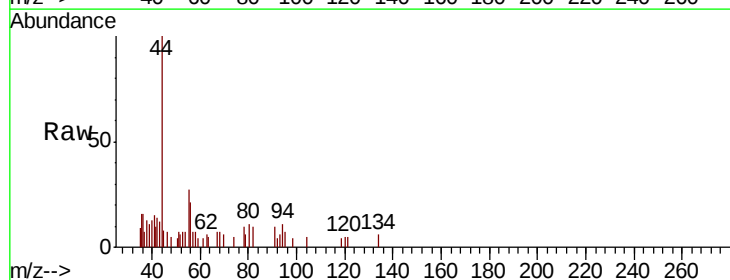
Tot Ion: 59 Resp: 2493
 Ion Ratio Lower Upper
 59 100
 57 2.7 7.7 11.5#

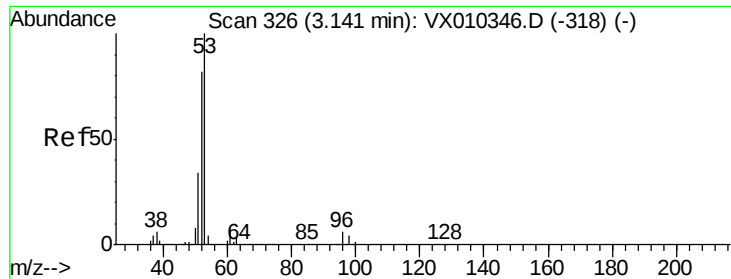


#13

Acrolein
 Concen: 1.509 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010526.D
 Acq: 28 Jun 2019 10:51

Tgt Ion: 56 Resp: 678
 Ion Ratio Lower Upper
 56 100
 55 97.5 56.9 85.3#





#15

Acrylonitrile

Concen: 0.416 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBL01

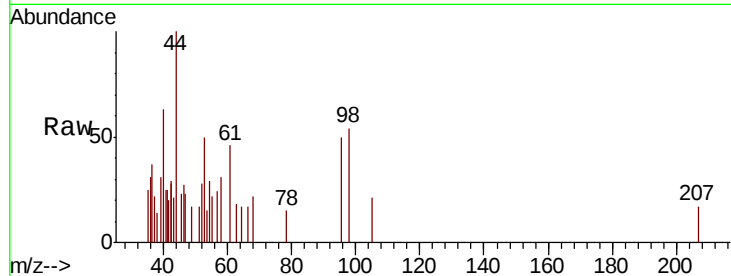
Tot Ion: 53 Resp: 558

Ion Ratio Lower Upper

53 100

52 38.5 65.5 98.3#

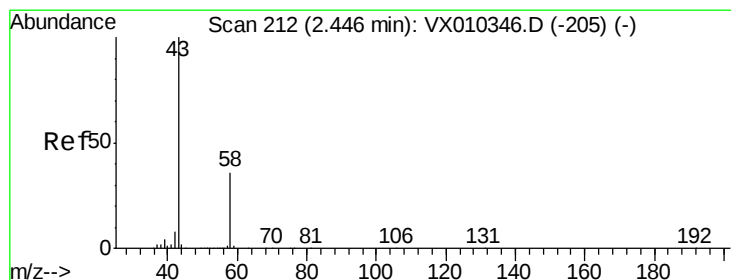
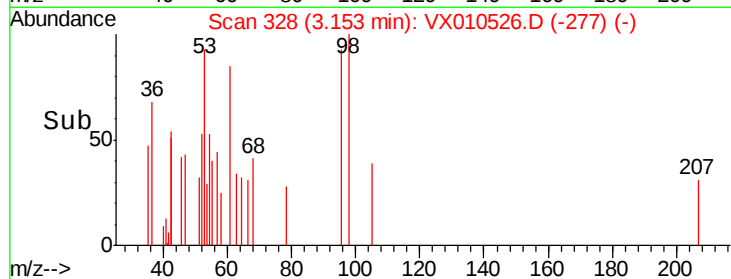
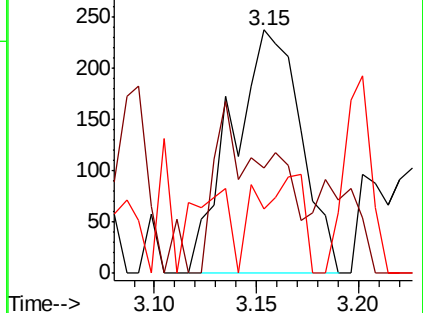
51 10.2 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.276 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010526.D

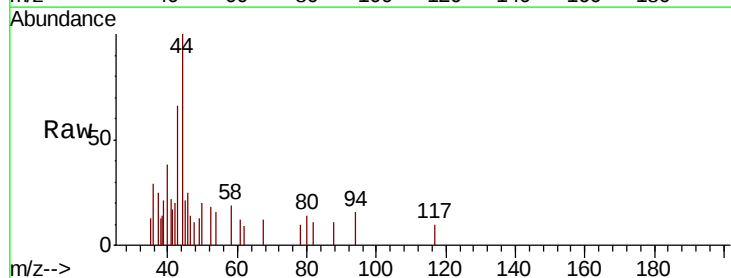
Acq: 28 Jun 2019 10:51

Tgt Ion: 43 Resp: 358

Ion Ratio Lower Upper

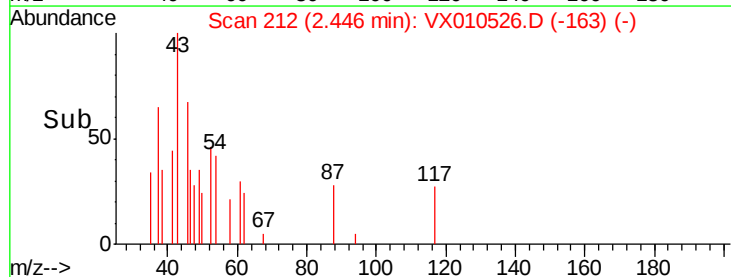
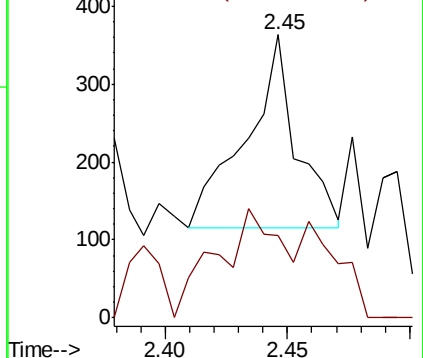
43 100

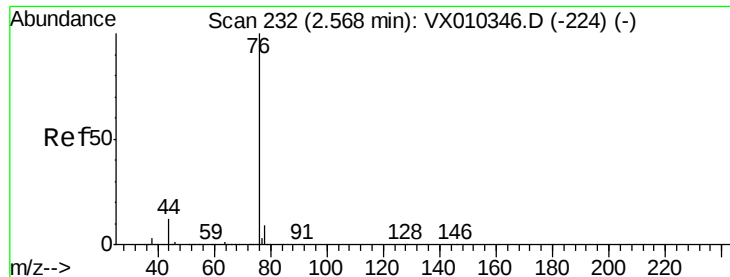
58 21.8 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.232 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

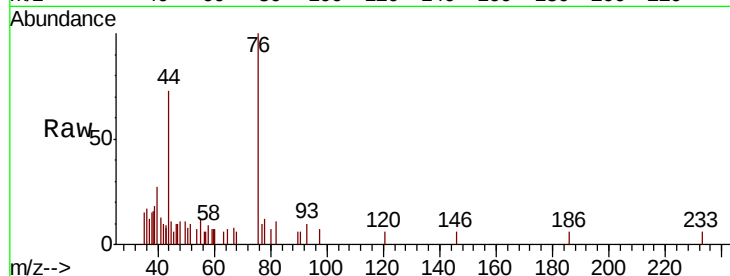
VX0628WBL01

Tot Ion: 76 Resp: 1489

Ion Ratio Lower Upper

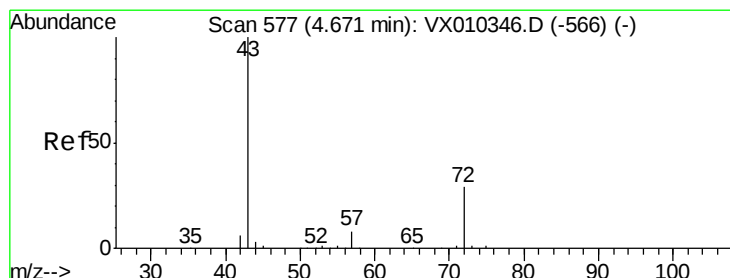
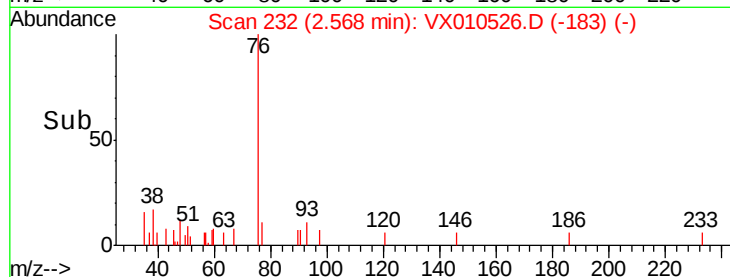
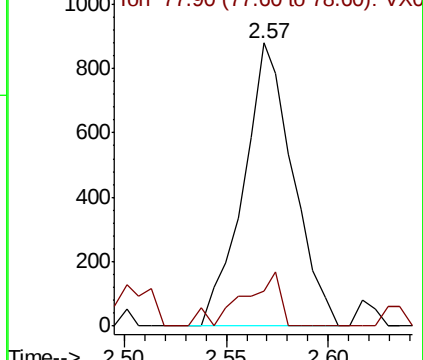
76 100

78 12.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.363 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010526.D

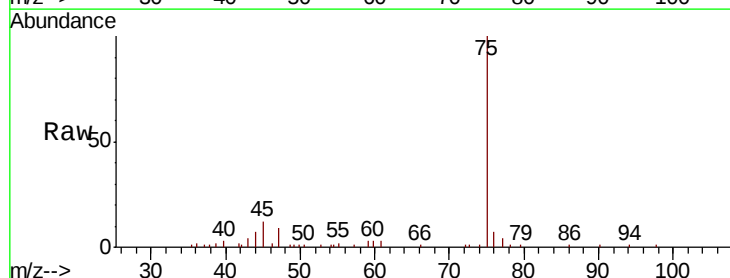
Acq: 28 Jun 2019 10:51

Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

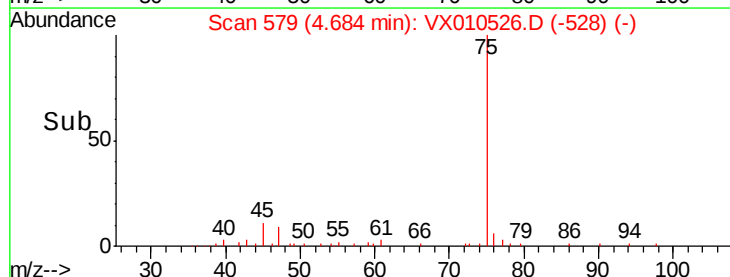
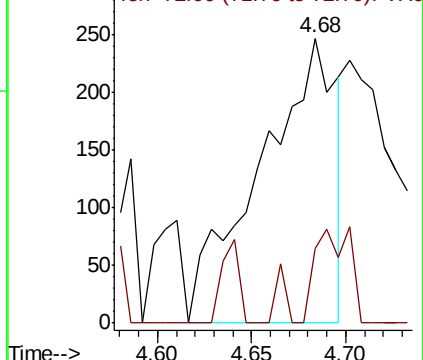
43 100

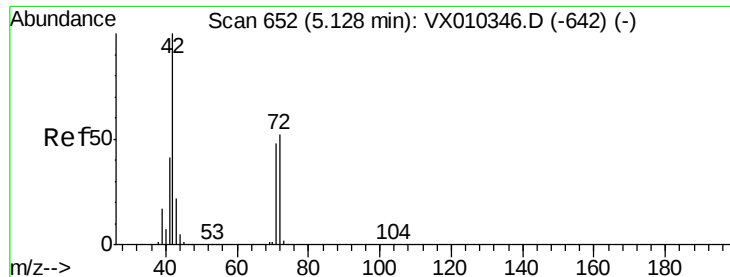
72 52.2 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBL01

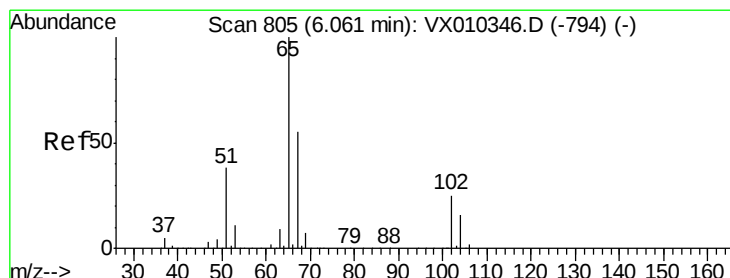
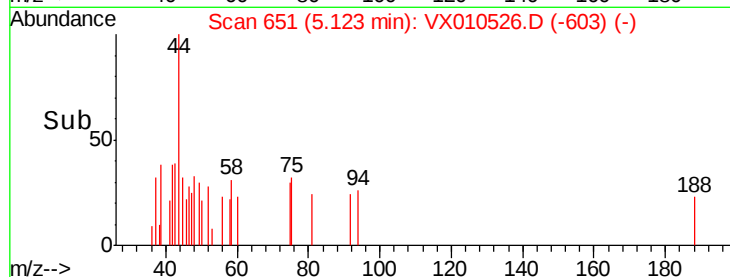
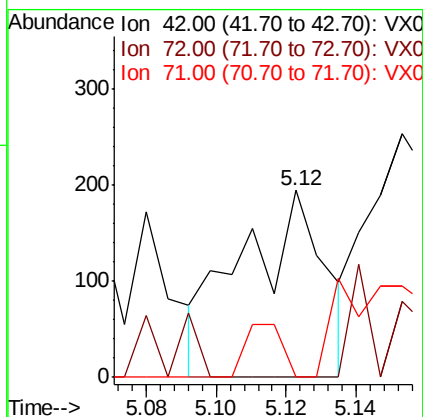
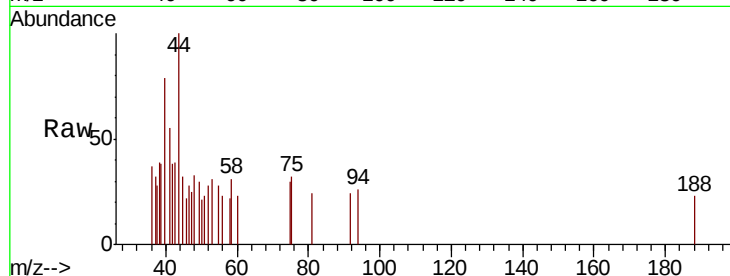
Tot Ion: 42 Resp: 321

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

71 12.5 37.8 56.8#



#33

1,2-Dichloroethane-d4

Concen: 53.257 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010526.D

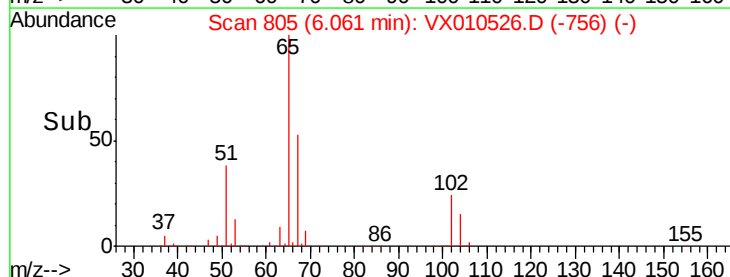
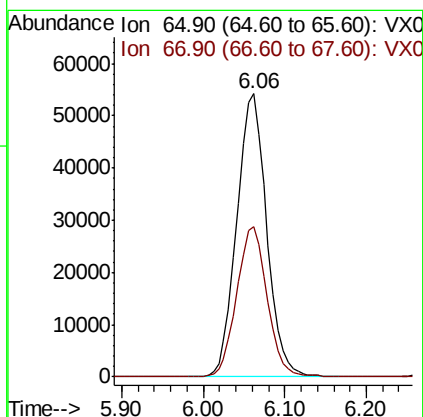
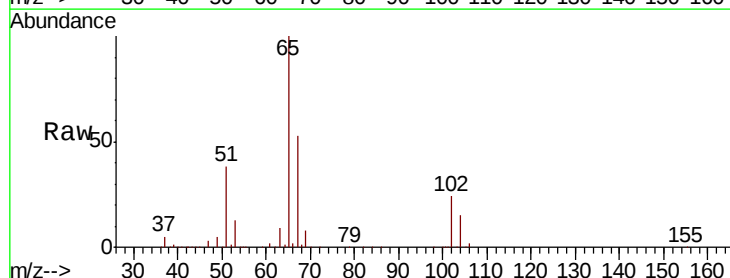
Acq: 28 Jun 2019 10:51

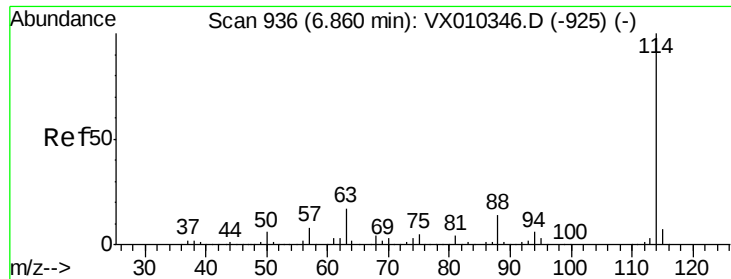
Tgt Ion: 65 Resp: 137858

Ion Ratio Lower Upper

65 100

67 54.0 0.0 110.2

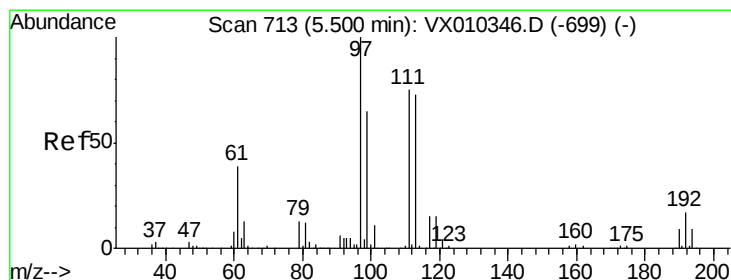
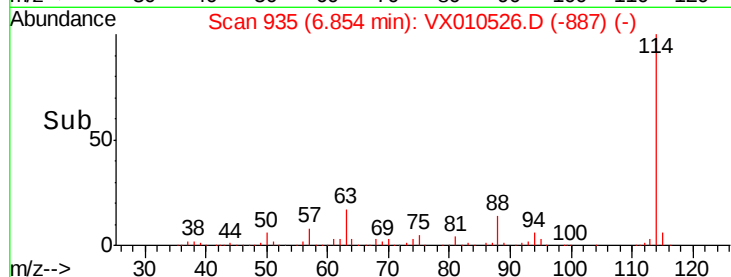
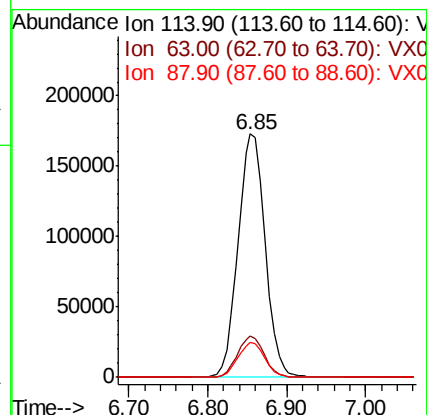
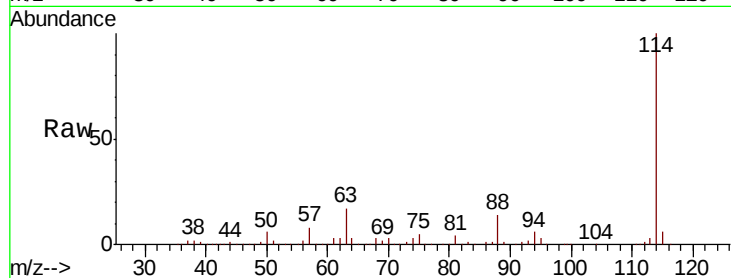




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010526.D
 Acq: 28 Jun 2019 10:51

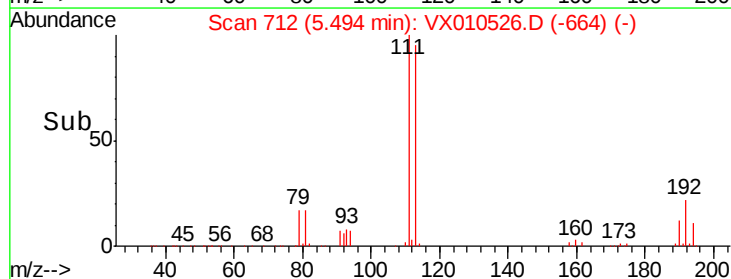
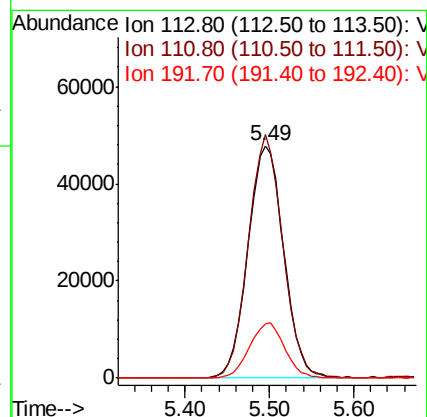
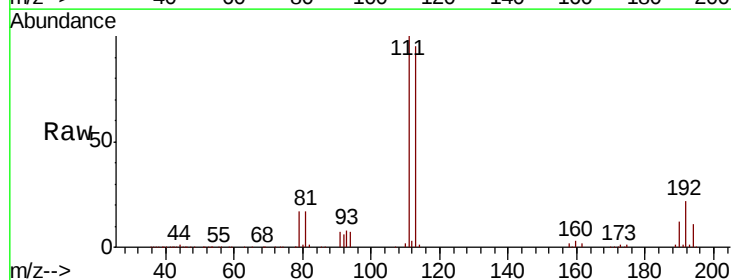
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL01

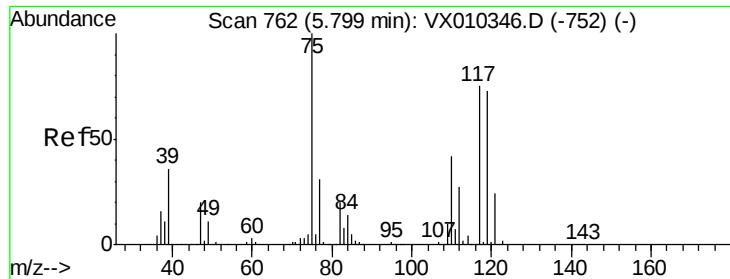
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	33.8
88	14.4	0.0	27.6



#35
 Dibromofluoromethane
 Concen: 54.355 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010526.D
 Acq: 28 Jun 2019 10:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.2	121.8
192	23.4	18.6	27.8

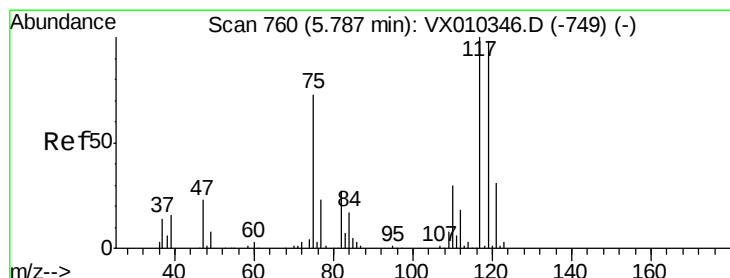
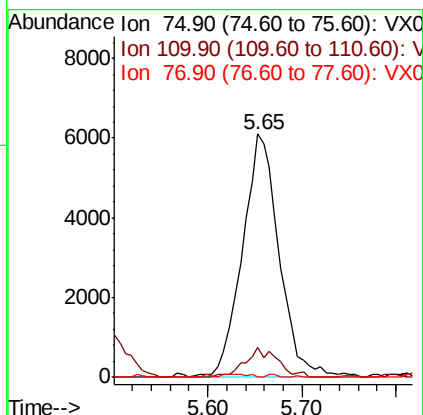
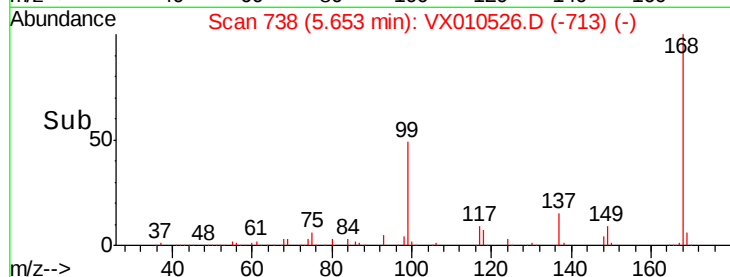
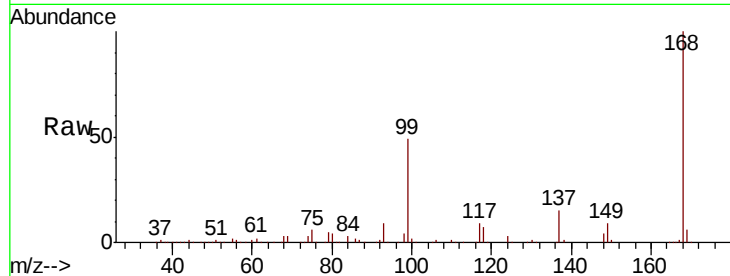




#36
 1,1-Dichloropropene
 Concen: 5.070 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010526.D
 Acq: 28 Jun 2019 10:51

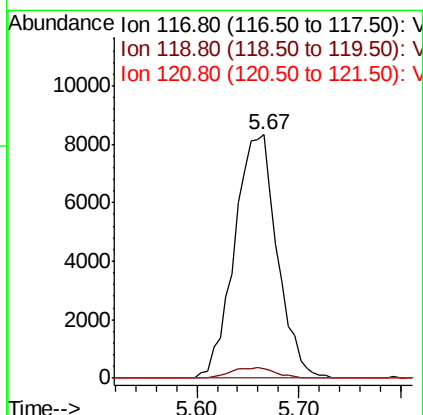
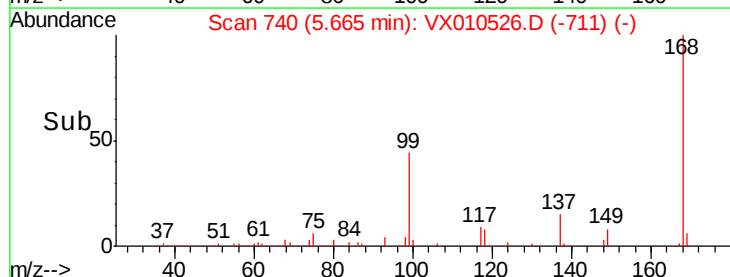
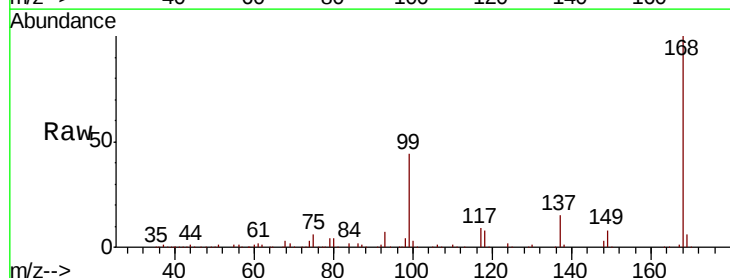
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL01

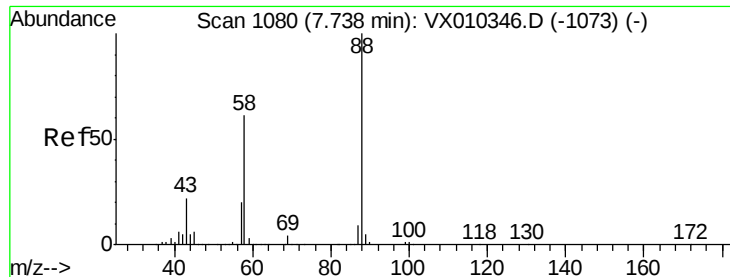
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.8	62.2#
77	0.3	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.766 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010526.D
 Acq: 28 Jun 2019 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	78.2	117.4#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 0.253 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBL01

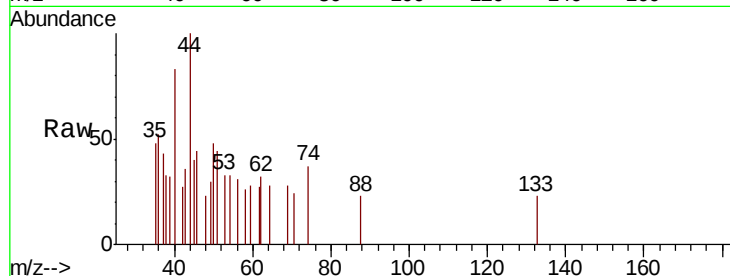
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 726.3 20.2 30.2#

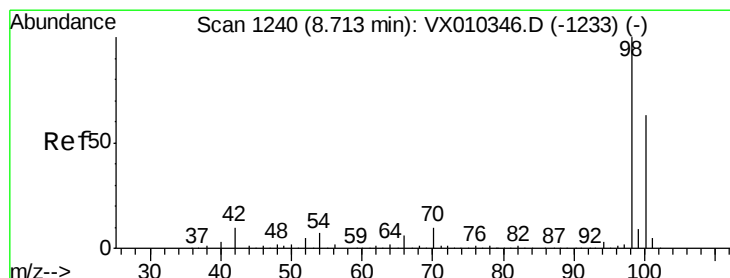
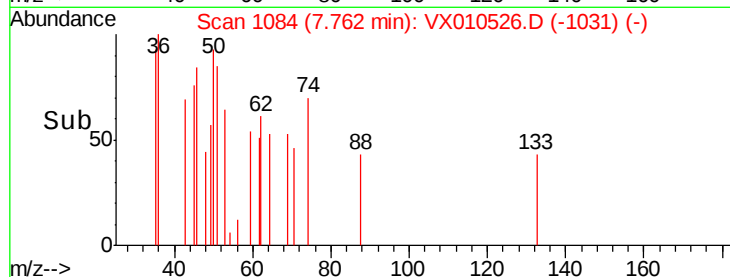
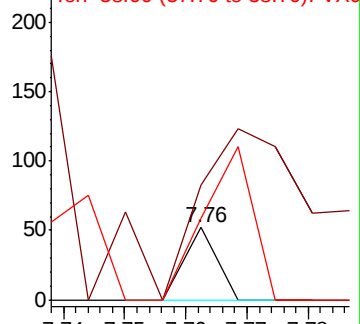
58 326.3 49.5 74.3#



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: 53.153 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010526.D

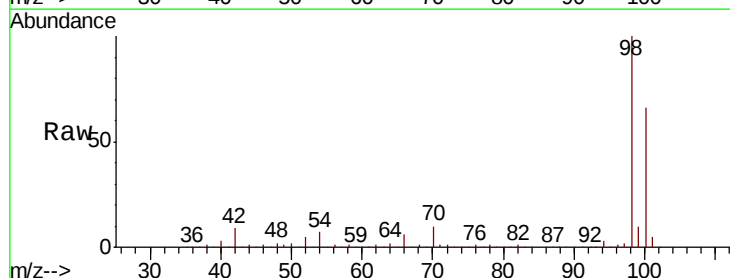
Acq: 28 Jun 2019 10:51

Tgt Ion: 98 Resp: 514924

Ion Ratio Lower Upper

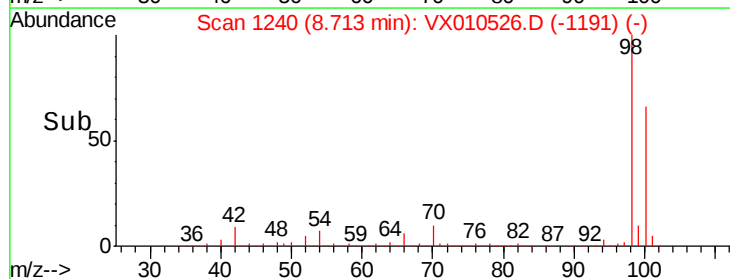
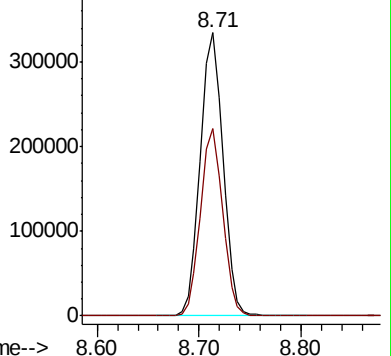
98 100

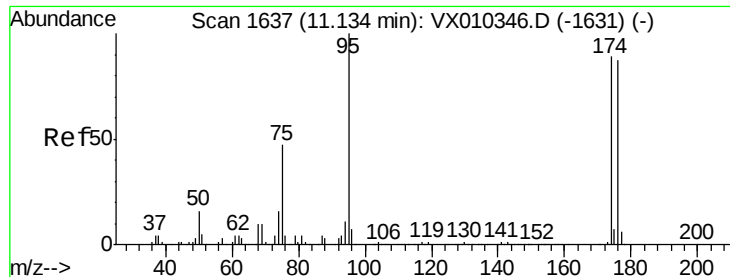
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.138 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBL01

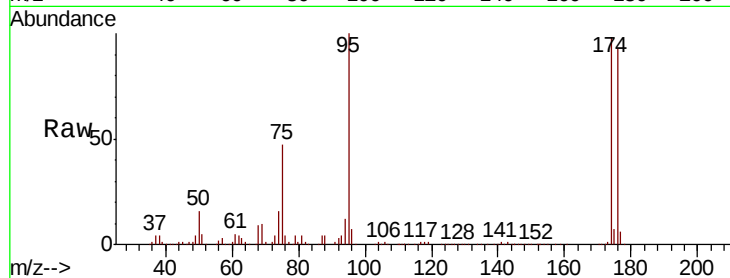
Tot Ion: 95 Resp: 164865

Ion Ratio Lower Upper

95 100

174 97.8 0.0 187.6

176 95.8 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

11.13

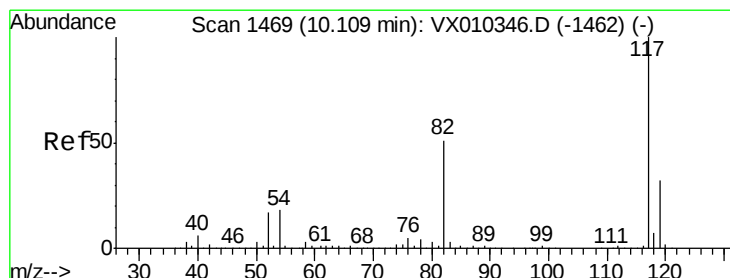
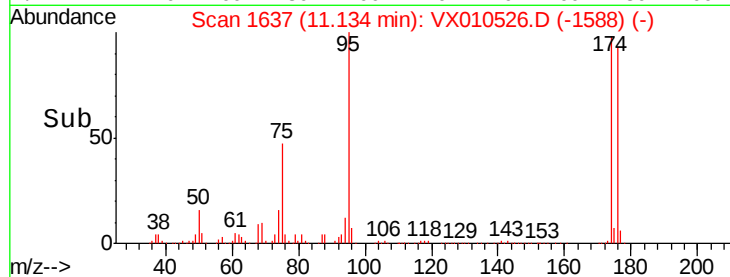
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

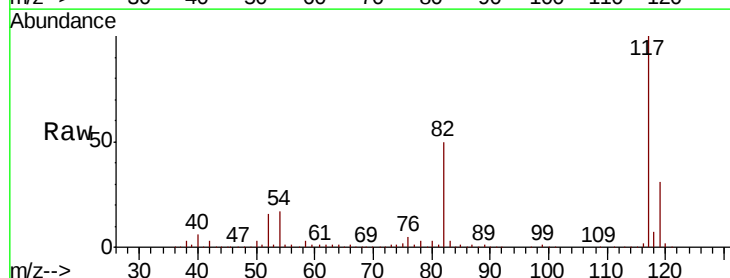
Tgt Ion: 117 Resp: 363369

Ion Ratio Lower Upper

117 100

82 49.9 41.2 61.8

119 31.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

10.11

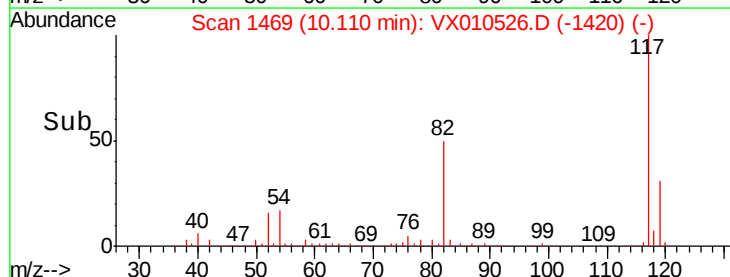
300000

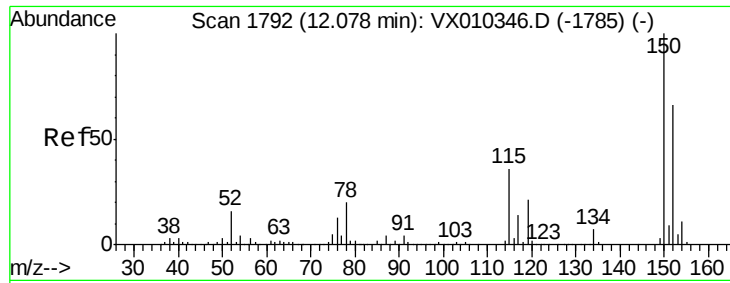
200000

100000

0

Time-->



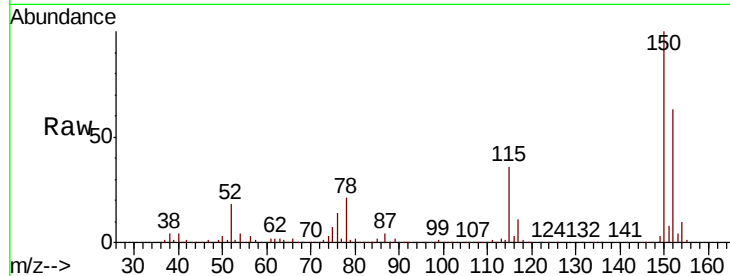


#72

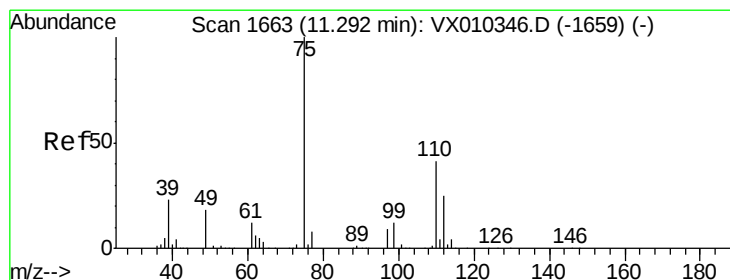
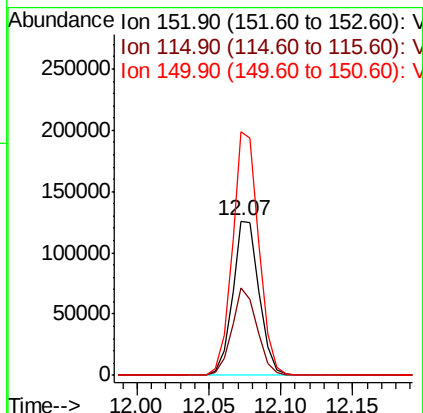
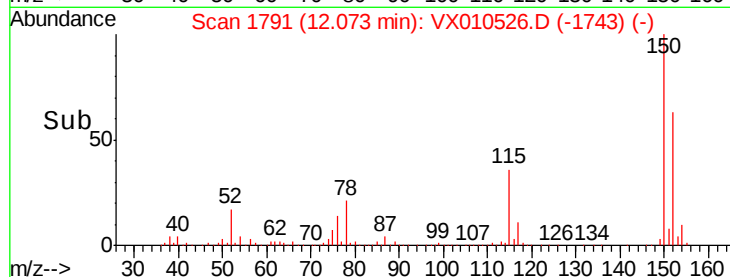
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX010526.D
Acq: 28 Jun 2019 10:51

Instrument :
MSVOA_X
ClientSampled :
VX0628WBL01

Tot Ion:152 Resp: 161626
Ion Ratio Lower Upper
152 100
115 54.0 38.6 115.7
150 157.0 0.0 347.4



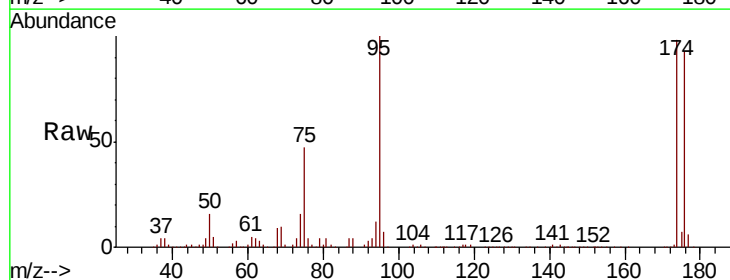
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



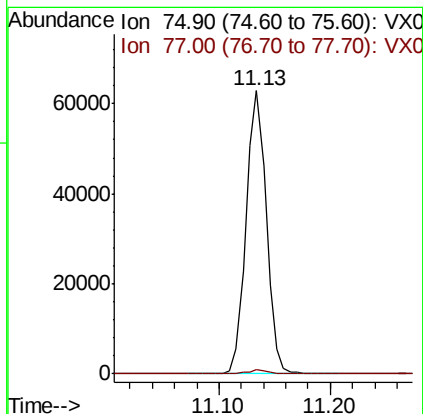
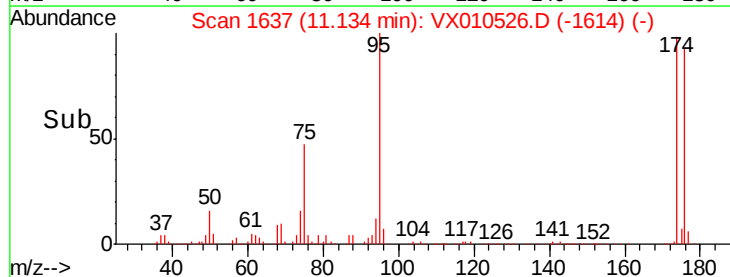
#76

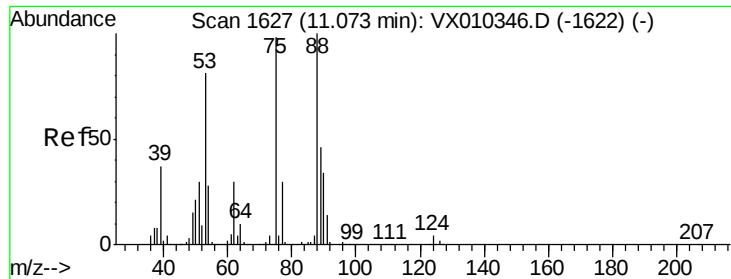
1,2,3-Trichloropropane
Concen: 26.944 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010526.D
Acq: 28 Jun 2019 10:51

Tgt Ion: 75 Resp: 79357
Ion Ratio Lower Upper
75 100
77 1.4 22.6 67.8#



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: 62.858 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010526.D

Acq: 28 Jun 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBL01

Tot Ion: 75 Resp: 79357

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

