

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX053119\
 Data File : VX009974.D
 Acq On : 31 May 2019 10:16
 Operator : JC/SP
 Sample : VX0531WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

Quant Time: May 31 10:37:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	167713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103880	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	117328	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
35) Dibromofluoromethane	5.49	113	86354	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
50) Toluene-d8	8.71	98	345042	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	114169	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	

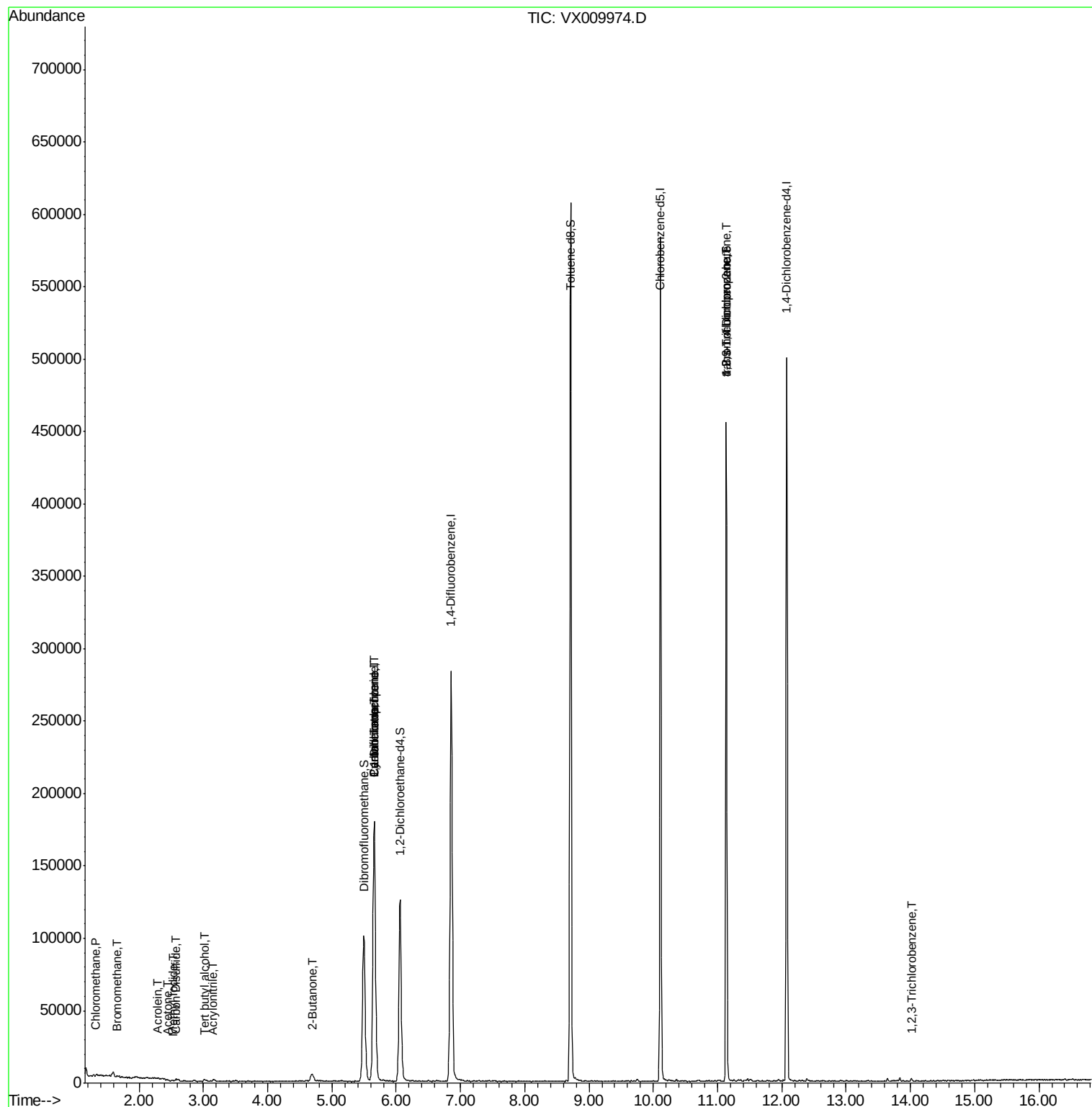
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	691	0.251	ug/l	94
5) Bromomethane	1.66	94	560	0.372	ug/l	98
10) Methyl Iodide	2.52	142	387	4.828	ug/l #	82
11) Tert butyl alcohol	3.02	59	798	1.369	ug/l #	91
13) Acrolein	2.29	56	295	21.750	ug/l #	47
15) Acrylonitrile	3.15	53	578	0.411	ug/l #	83
16) Acetone	2.45	43	1159	0.847	ug/l	98
17) Carbon Disulfide	2.57	76	1585	0.690	ug/l #	91
25) 2-Butanone	4.69	43	876	0.411	ug/l #	53
31) Cyclohexane	5.65	56	4446	1.233	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13831	4.976	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16185	6.739	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59263	20.153	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59263	59.026	ug/l #	10
96) 1,2,3-Trichlorobenzene	14.02	180	494	0.201	ug/l	83

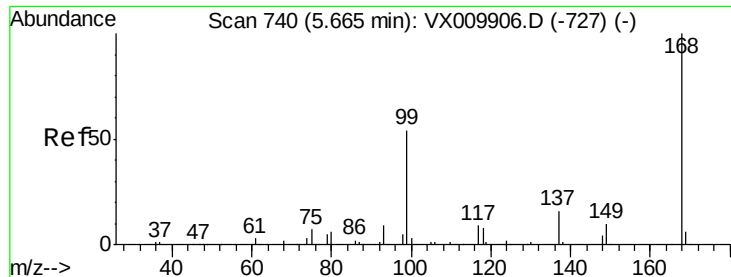
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Tue May 28 13:02:54 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: VX009974.D

Acq: 31 May 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

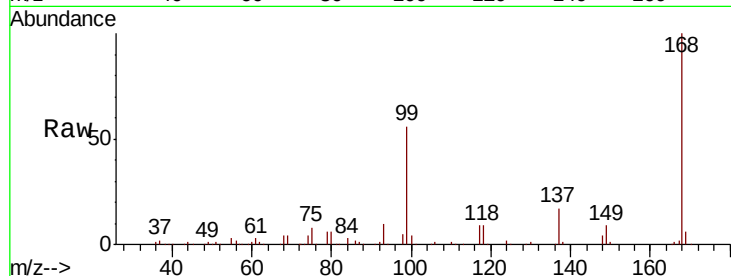
VX0531WBL01

Tgt Ion:168 Resp: 167713

Ion Ratio Lower Upper

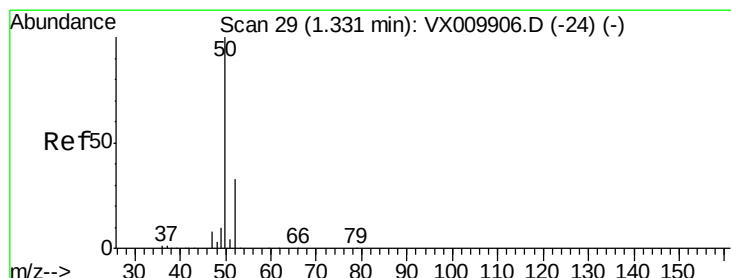
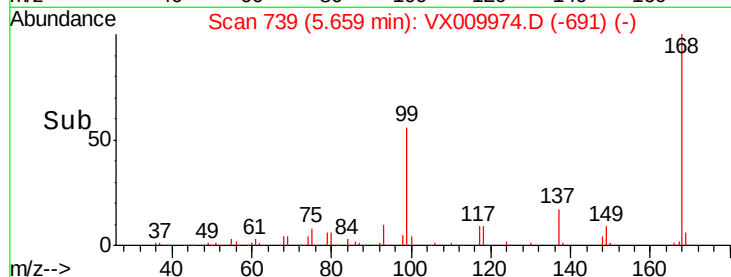
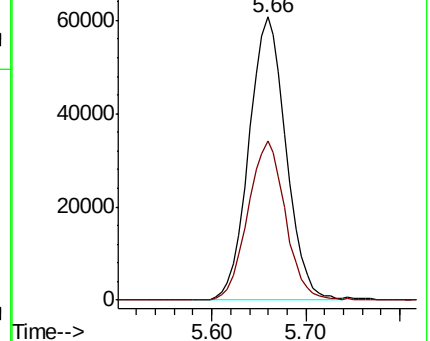
168 100

99 56.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.251 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009974.D

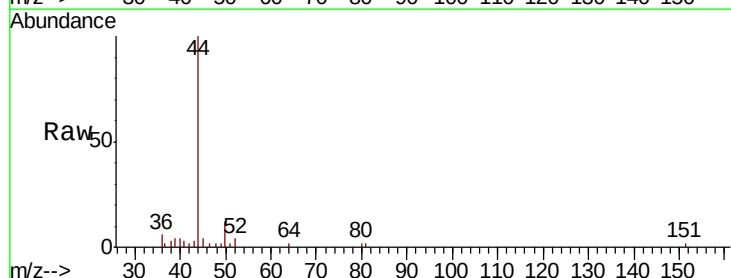
Acq: 31 May 2019 10:16

Tgt Ion: 50 Resp: 691

Ion Ratio Lower Upper

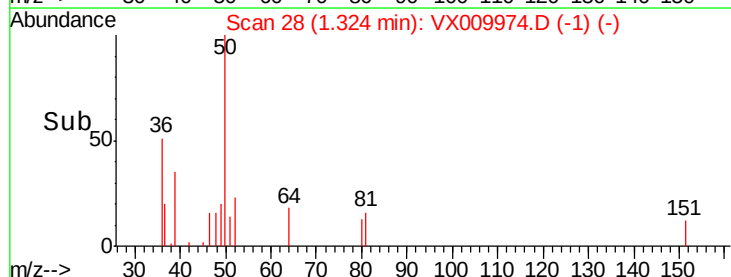
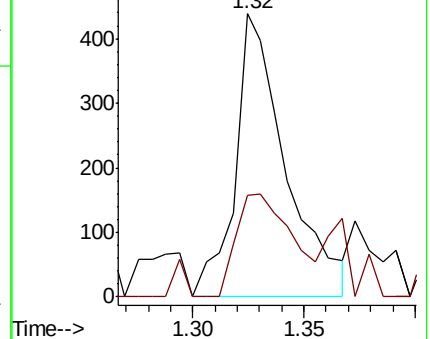
50 100

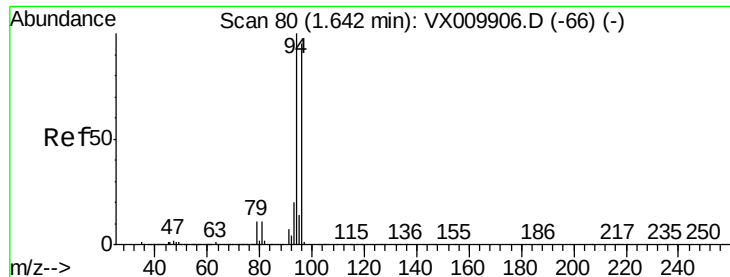
52 35.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.372 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009974.D

Acq: 31 May 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

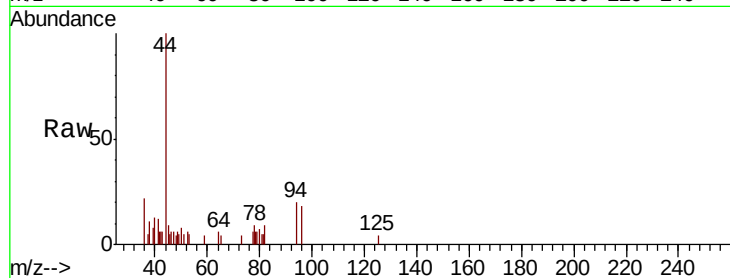
VX0531WBL01

Tgt Ion: 94 Resp: 560

Ion Ratio Lower Upper

94 100

96 92.8 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

150

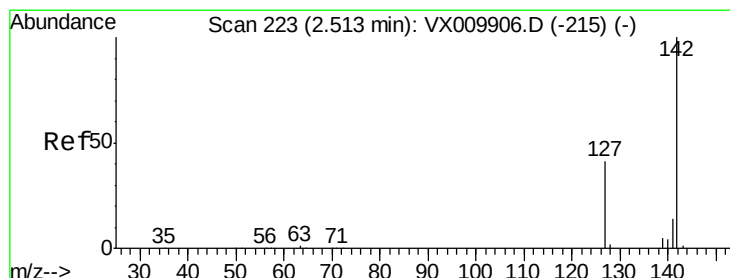
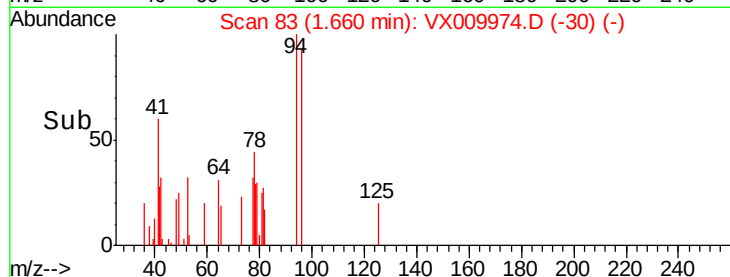
100

50

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 4.828 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009974.D

Acq: 31 May 2019 10:16

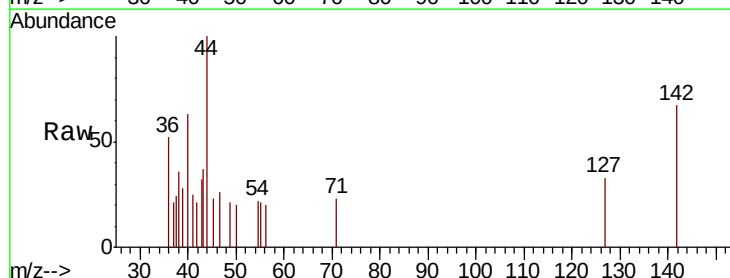
Tgt Ion: 142 Resp: 387

Ion Ratio Lower Upper

142 100

127 33.1 32.7 49.1

141 0.0 11.5 17.3#



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

200

150

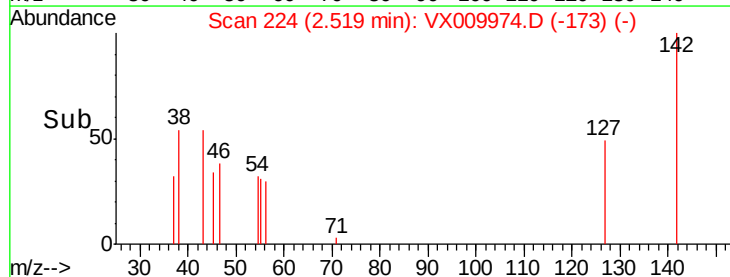
100

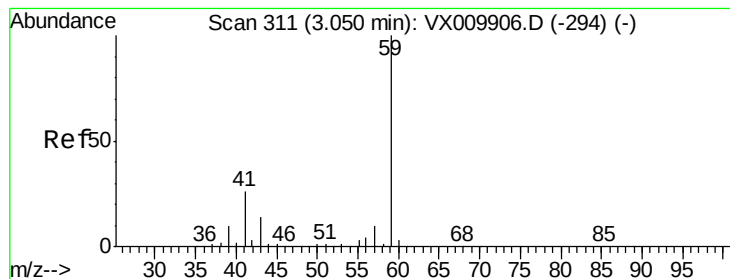
50

0

2.45 2.50 2.55

Time-->



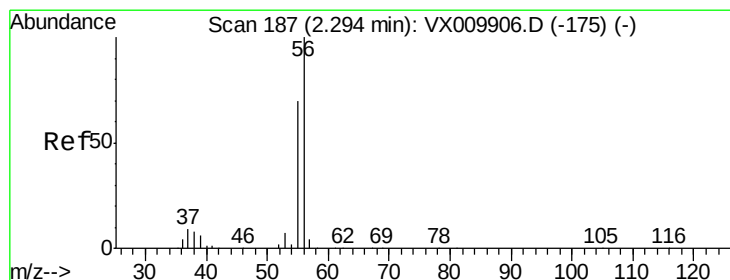
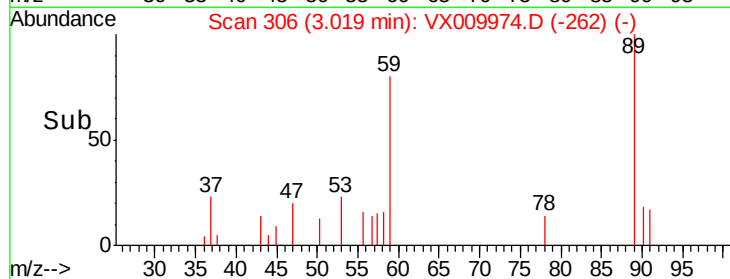
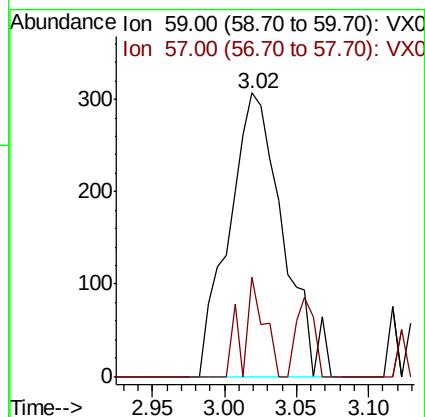
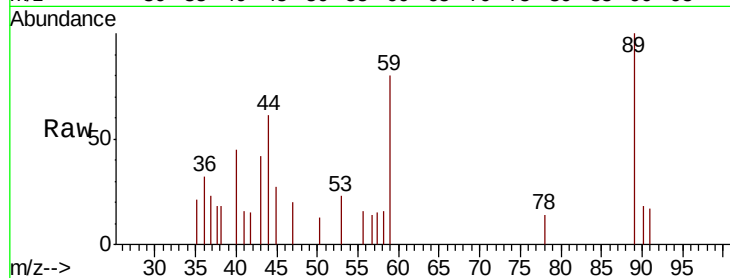


#11

Tert butyl alcohol
 Concen: 1.369 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

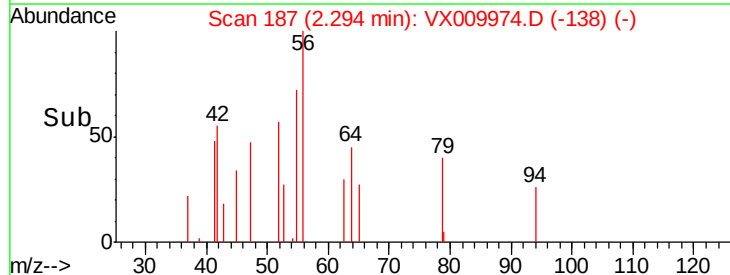
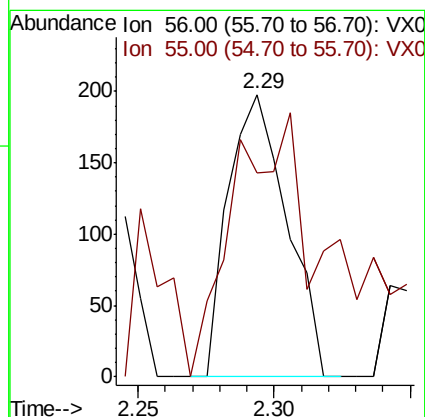
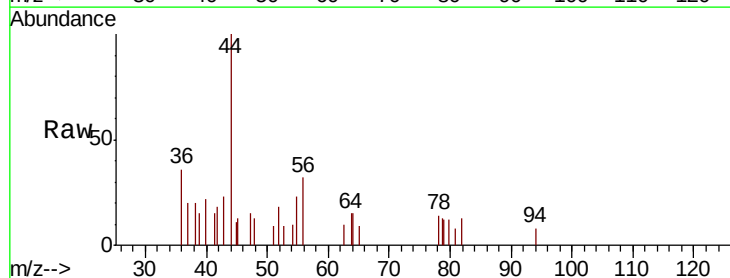
Tgt Ion: 59 Resp: 798
 Ion Ratio Lower Upper
 59 100
 57 13.7 8.2 12.2#

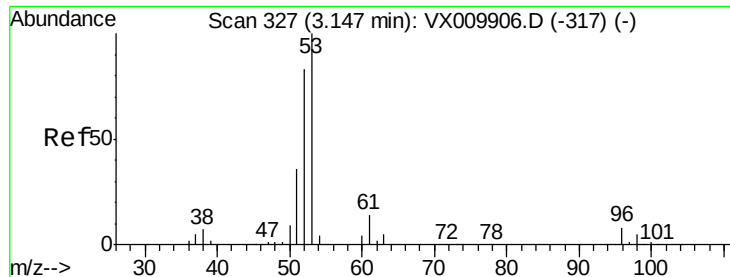


#13

Acrolein
 Concen: 21.750 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

Tgt Ion: 56 Resp: 295
 Ion Ratio Lower Upper
 56 100
 55 114.2 56.6 85.0#





#15

Acrylonitrile

Concen: 0.411 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX009974.D

Acq: 31 May 2019 10:16

Instrument :

MSVOA_X

ClientSampled :

VX0531WBL01

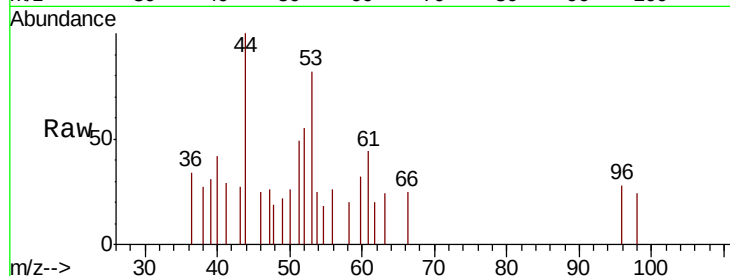
Tgt Ion: 53 Resp: 578

Ion Ratio Lower Upper

53 100

52 74.4 66.9 100.3

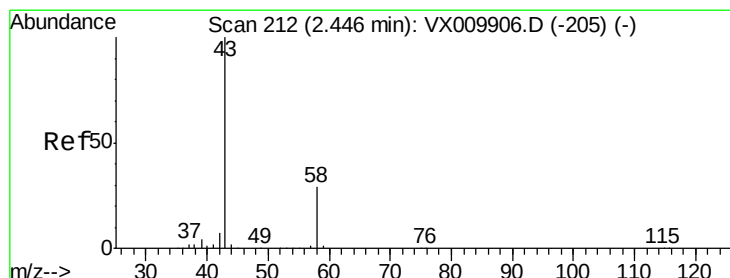
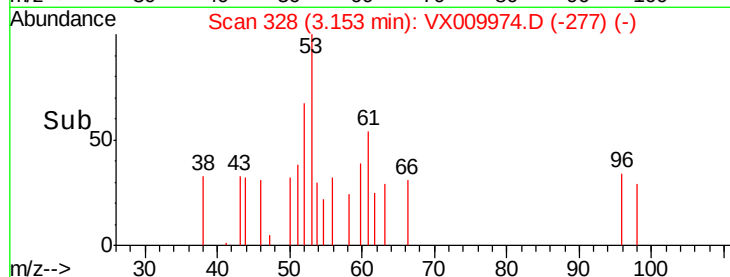
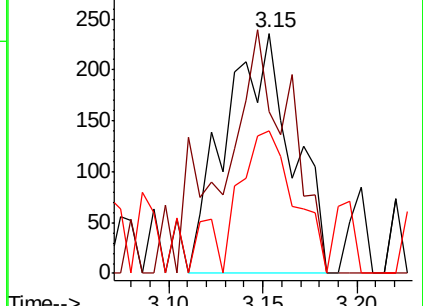
51 54.7 28.2 42.2#



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: 0.847 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009974.D

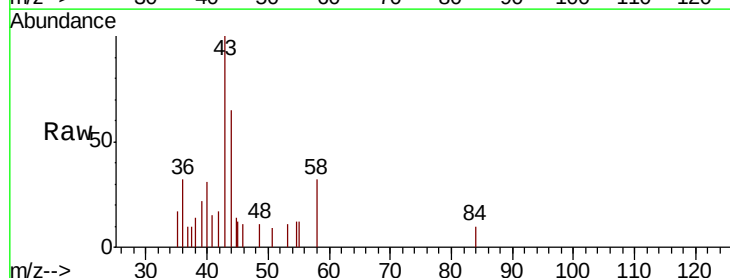
Acq: 31 May 2019 10:16

Tgt Ion: 43 Resp: 1159

Ion Ratio Lower Upper

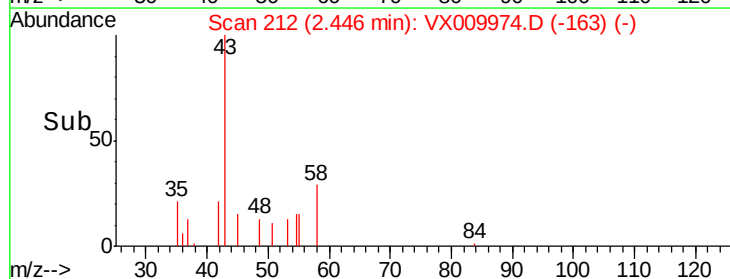
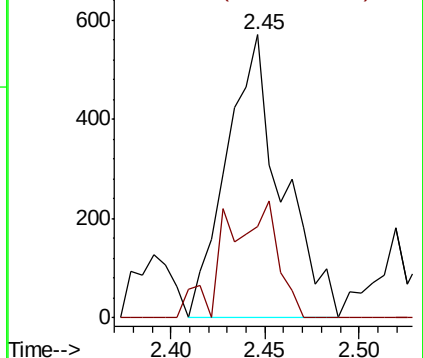
43 100

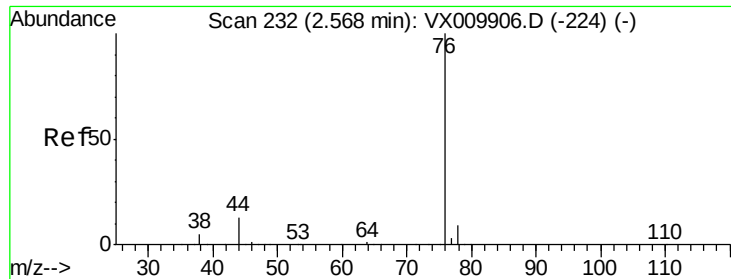
58 32.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.690 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009974.D

Acq: 31 May 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

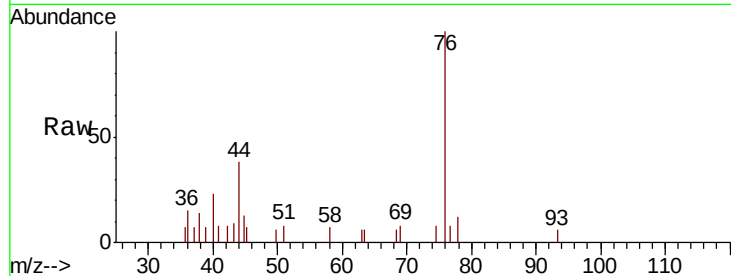
VX0531WBL01

Tgt Ion: 76 Resp: 1585

Ion Ratio Lower Upper

76 100

78 12.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

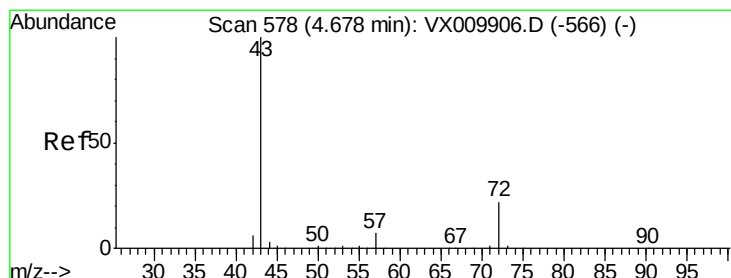
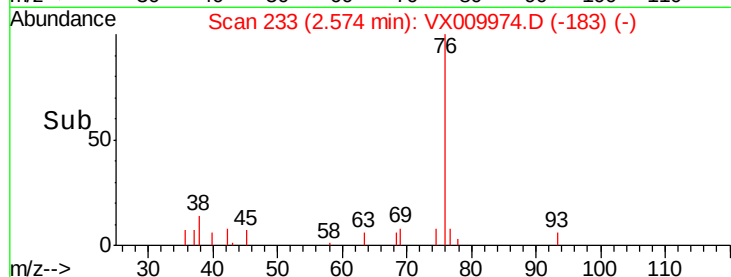
600

400

200

0

Time-->



#25

2-Butanone

Concen: 0.411 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009974.D

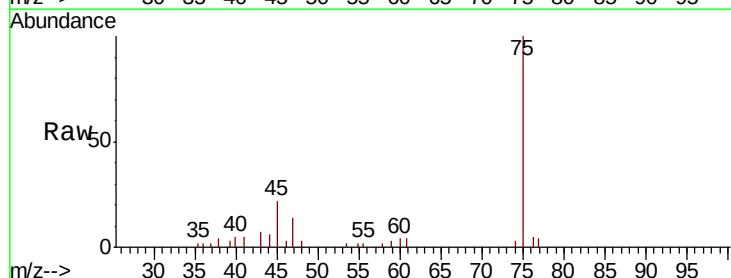
Acq: 31 May 2019 10:16

Tgt Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

200

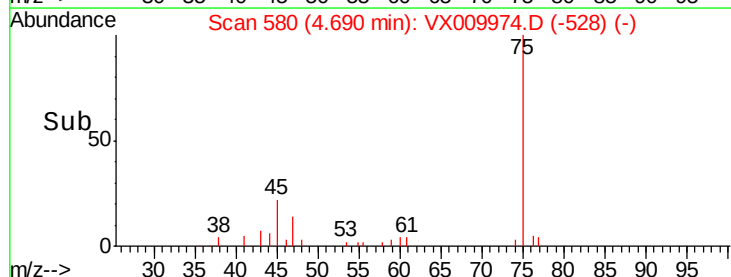
150

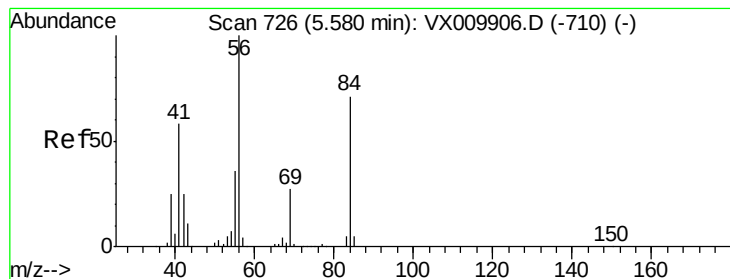
100

50

0

Time-->





#31

Cyclohexane

Concen: 1.233 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009974.D

Acq: 31 May 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBL01

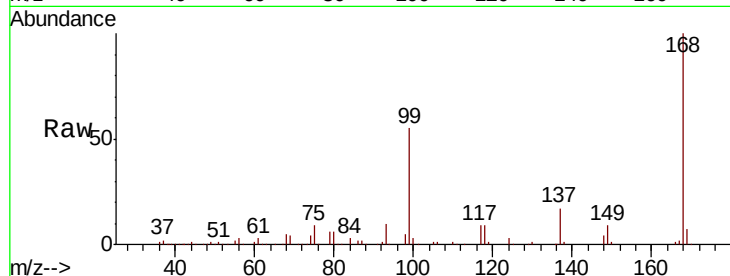
Tgt Ion: 56 Resp: 4446

Ion Ratio Lower Upper

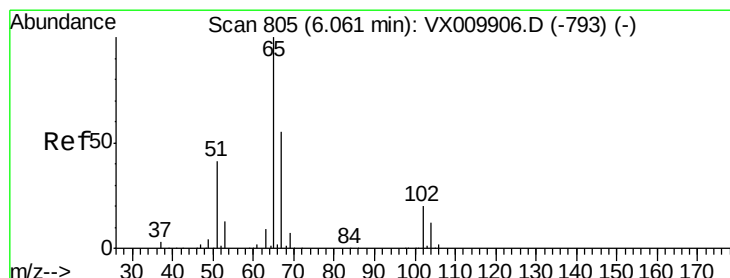
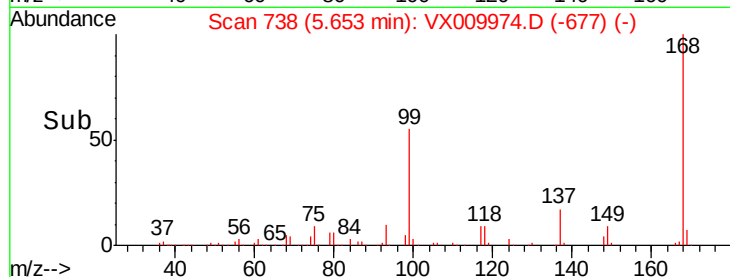
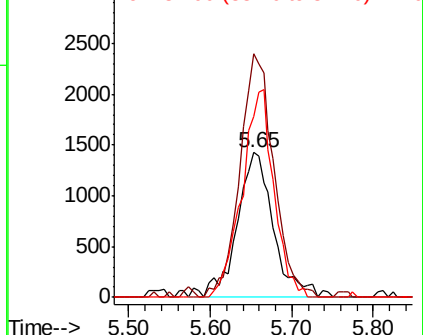
56 100

69 164.1 23.4 35.0#

84 124.7 61.9 92.9#



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: 49.524 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009974.D

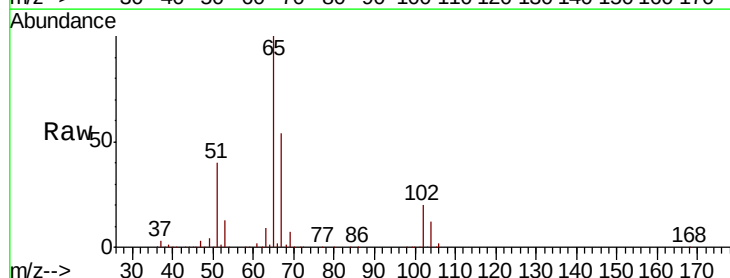
Acq: 31 May 2019 10:16

Tgt Ion: 65 Resp: 117328

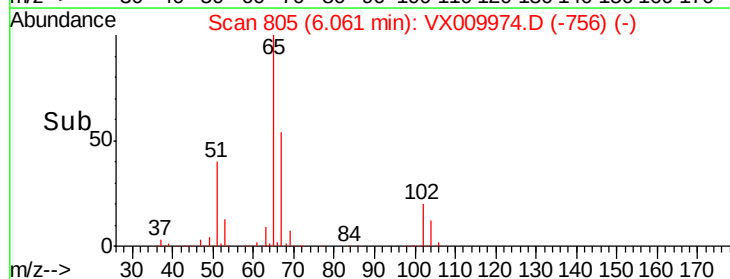
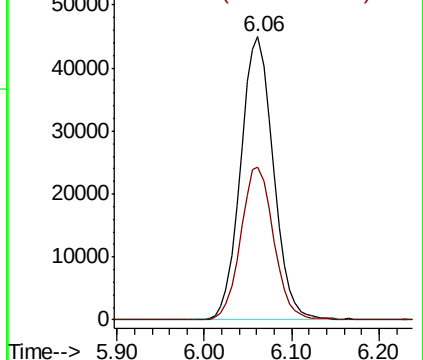
Ion Ratio Lower Upper

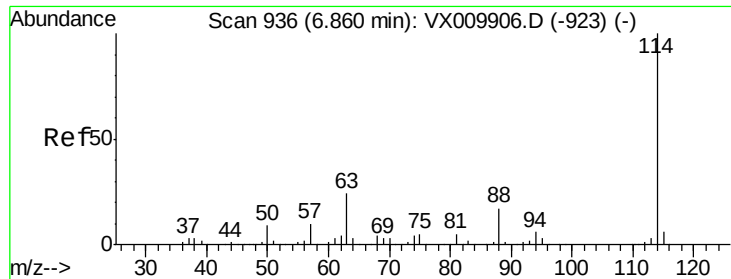
65 100

67 54.2 0.0 106.6



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

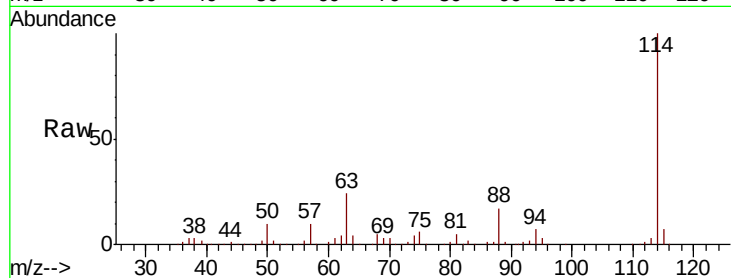




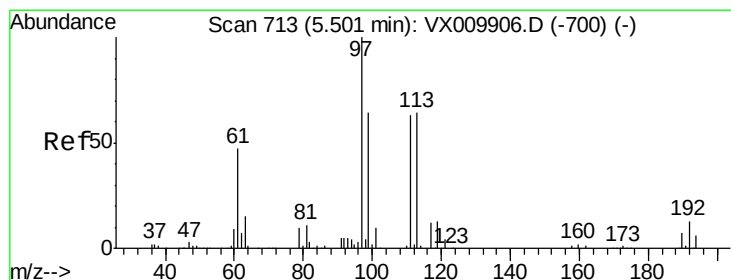
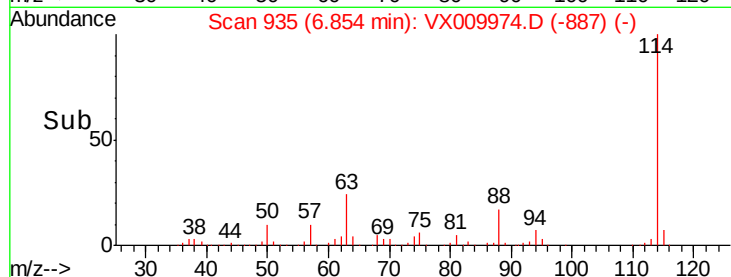
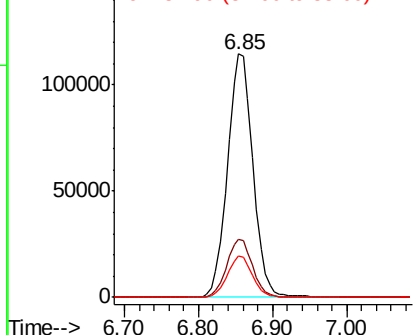
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

Tgt Ion:114 Resp: 273928
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 17.0 0.0 33.2

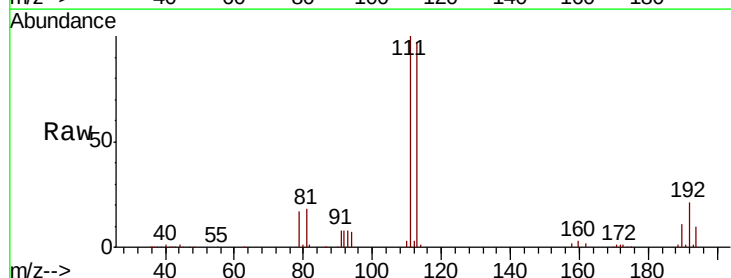


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

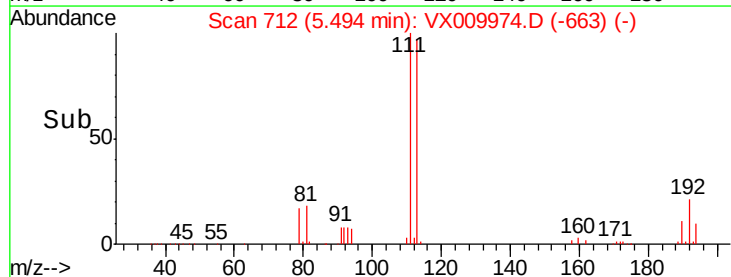
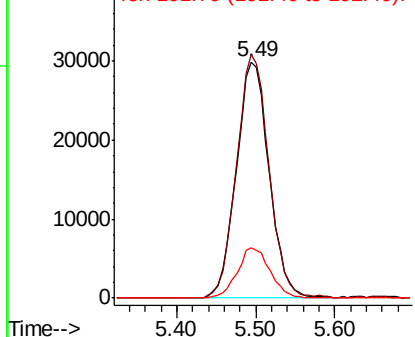


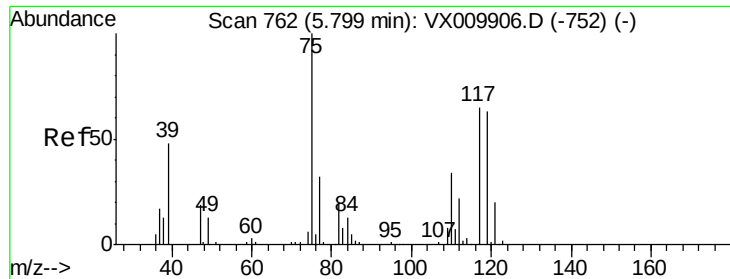
#35
 Dibromofluoromethane
 Concen: 50.142 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

Tgt Ion:113 Resp: 86354
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.8 124.2
 192 21.3 17.0 25.6



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

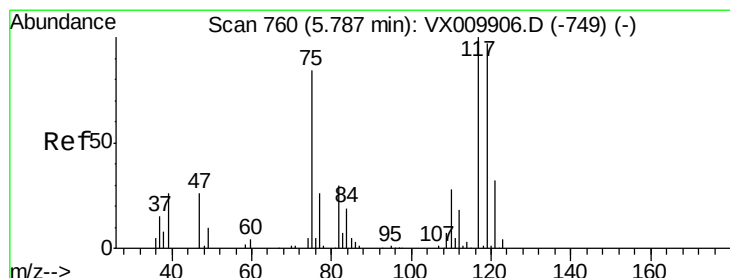
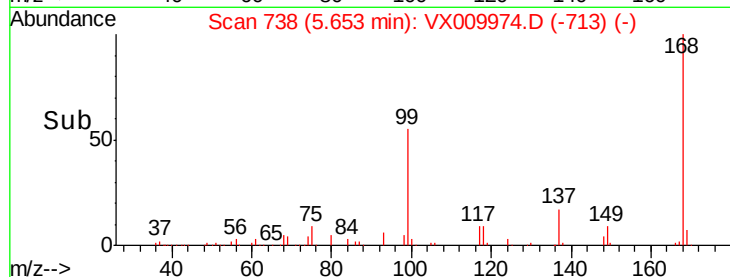
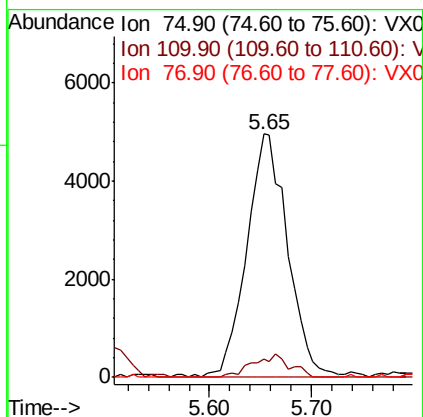
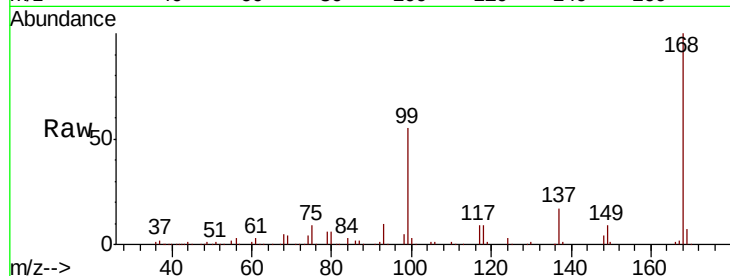




#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

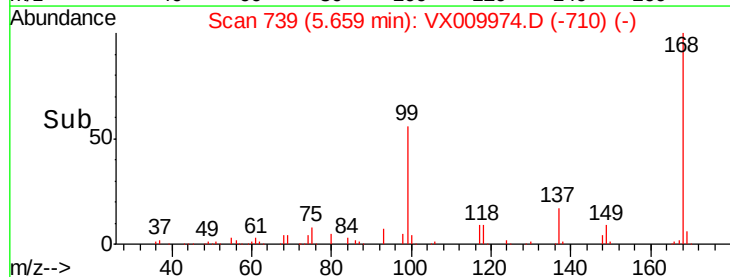
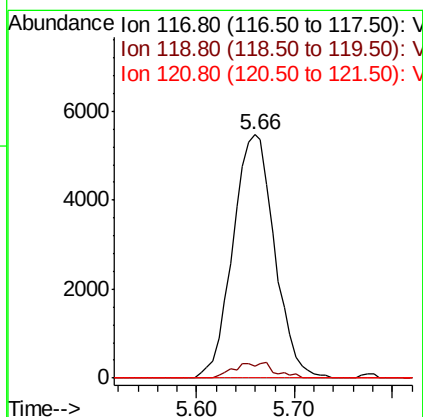
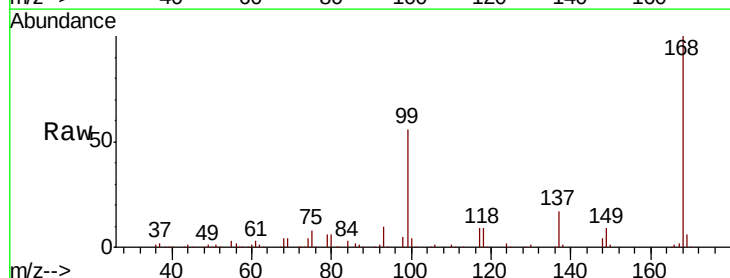
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

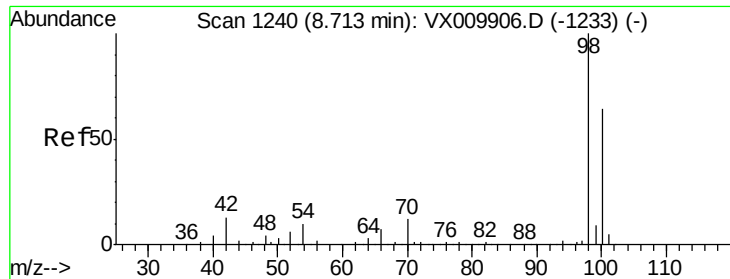
Tgt Ion: 75 Resp: 13831
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.739 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

Tgt Ion: 117 Resp: 16185
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.5 116.3#
 121 0.0 24.7 37.1#

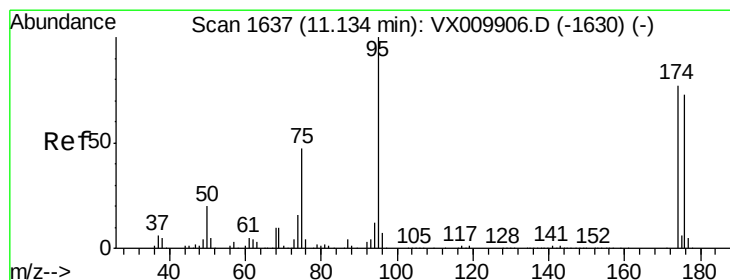
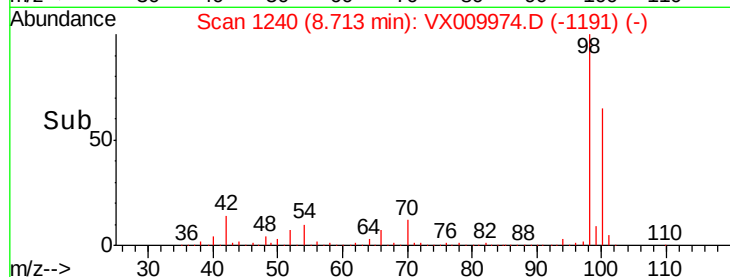
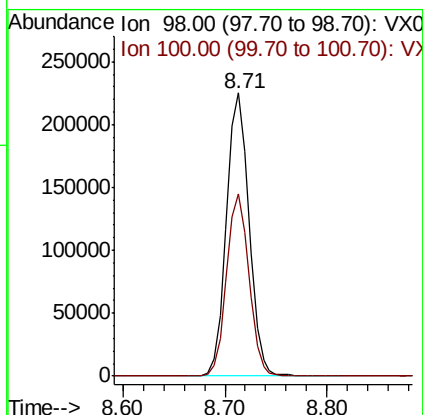
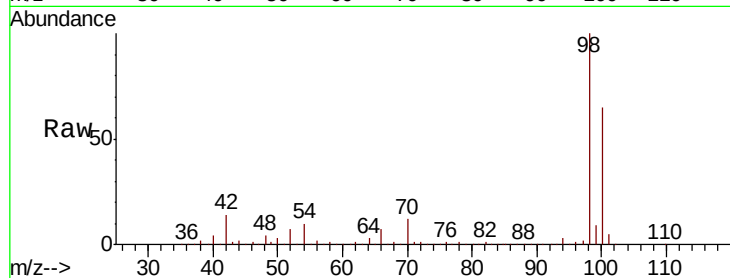




#50
Toluene-d8
Concen: 49.338 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009974.D
Acq: 31 May 2019 10:16

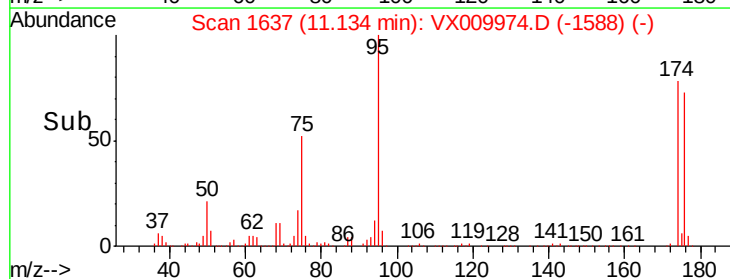
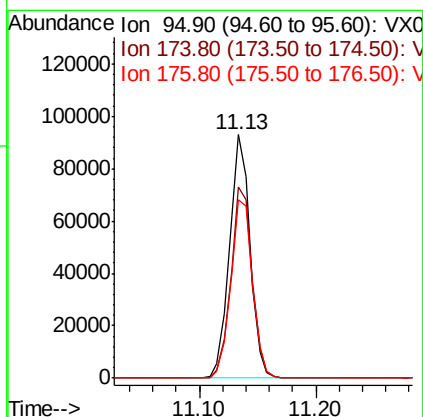
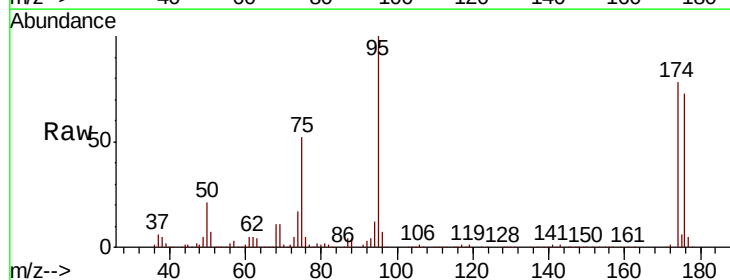
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

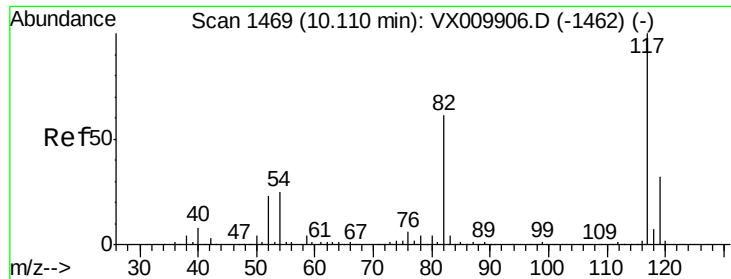
Tgt Ion: 98 Resp: 345042
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 45.451 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009974.D
Acq: 31 May 2019 10:16

Tgt Ion: 95 Resp: 114169
Ion Ratio Lower Upper
95 100
174 81.5 0.0 161.6
176 77.7 0.0 159.2

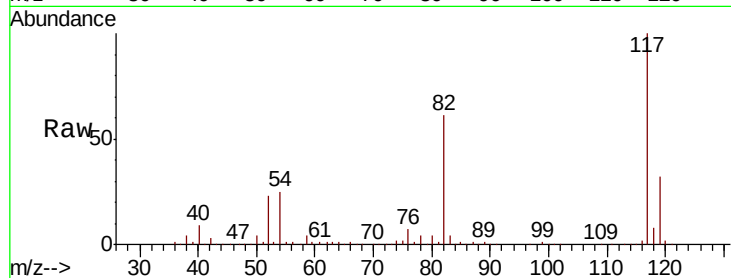




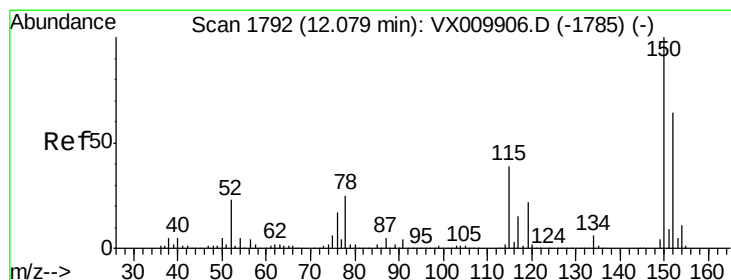
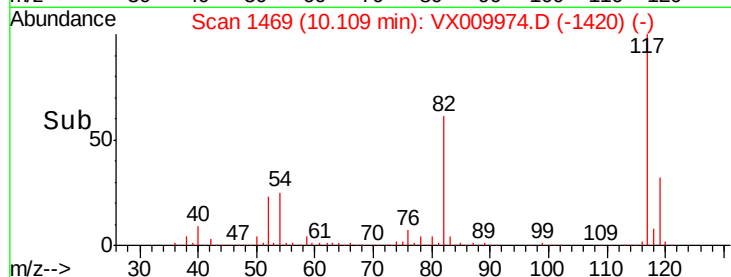
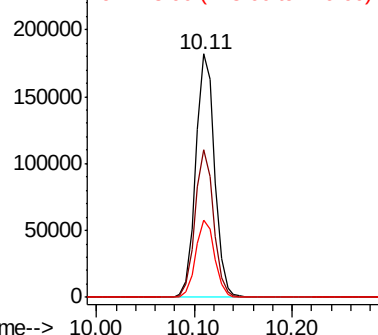
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009974.D
Acq: 31 May 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

Tgt Ion:117 Resp: 242887
Ion Ratio Lower Upper
117 100
82 60.8 48.8 73.2
119 32.0 25.8 38.6

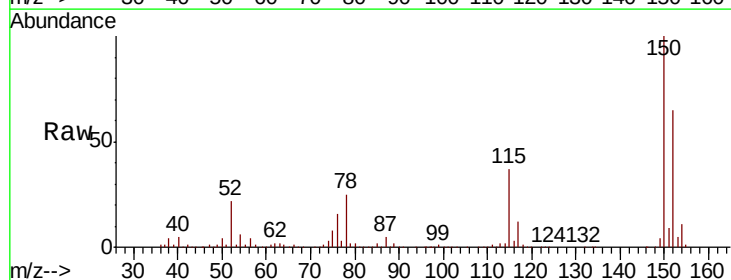


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

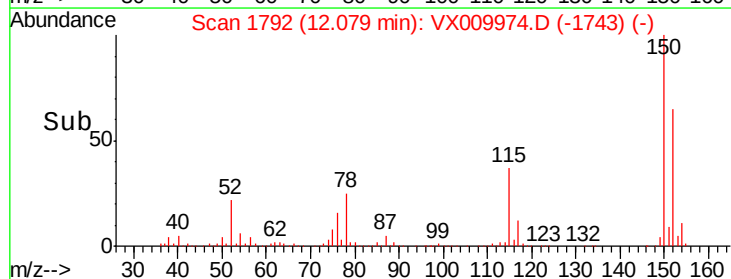
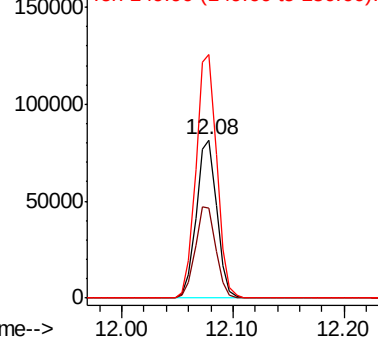


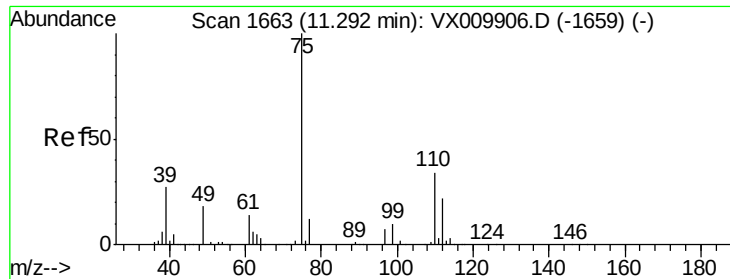
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009974.D
Acq: 31 May 2019 10:16

Tgt Ion:152 Resp: 103880
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 156.2 0.0 346.4



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

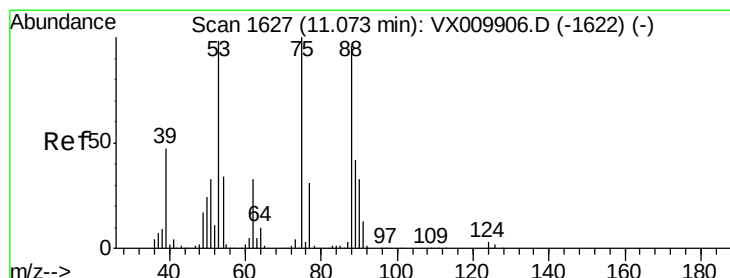
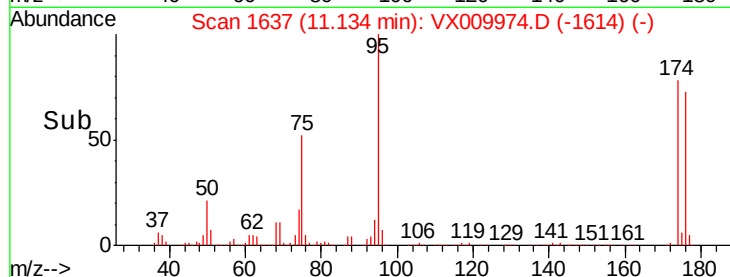
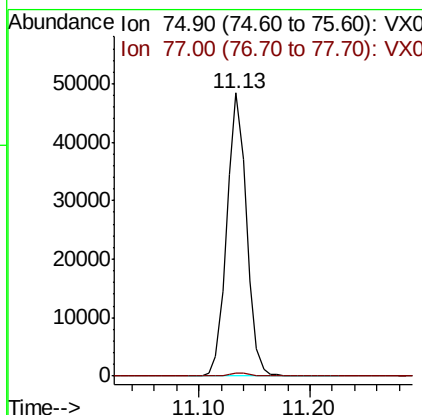
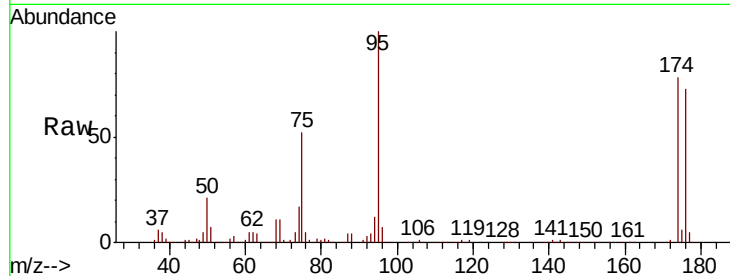




#76
 1,2,3-Trichloropropane
 Concen: 20.153 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

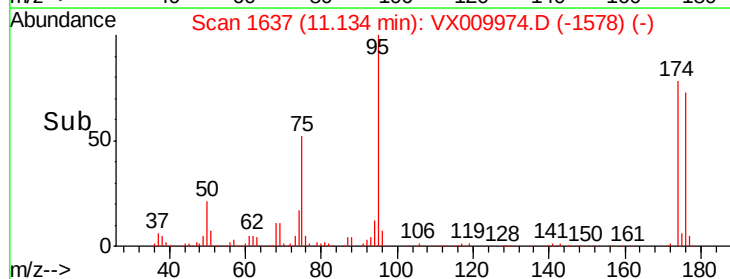
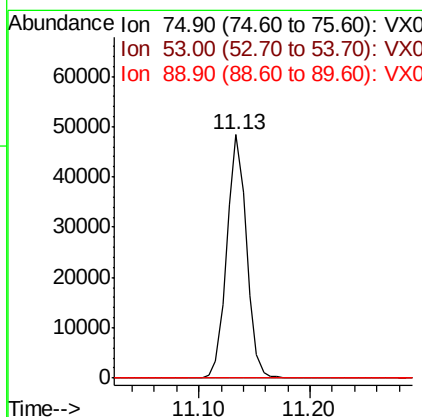
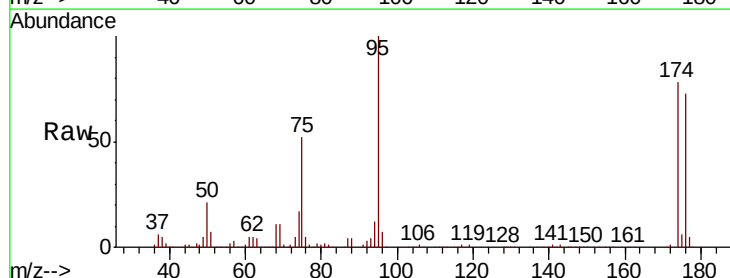
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

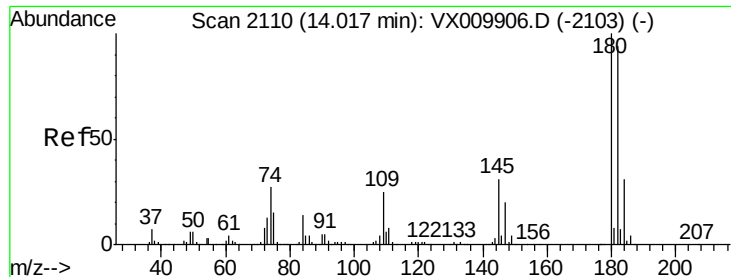
Tgt Ion: 75 Resp: 59263
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.026 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

Tgt Ion: 75 Resp: 59263
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

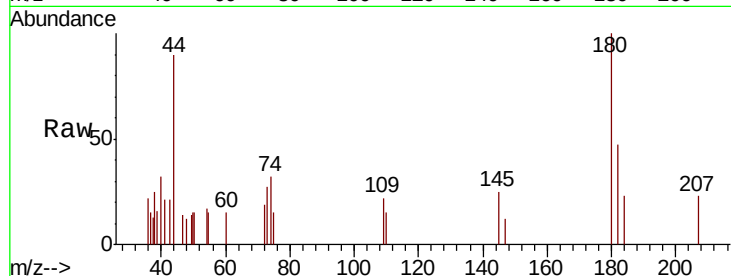




#96
 1,2,3-Trichlorobenzene
 Concen: 0.201 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009974.D
 Acq: 31 May 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	76.7	47.8	143.4
145	24.9	15.4	46.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

