

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001920.D
 Acq On : 23 May 2018 03:39
 Operator : JC/MD
 Sample : PB109525ZHE#20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 04:56:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	351715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	172685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	161892	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
35) Dibromofluoromethane	5.51	113	134280	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
50) Toluene-d8	8.72	98	493151	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
62) 4-Bromofluorobenzene	11.14	95	153775	40.18	ug/l	0.00
Spiked Amount			Recovery	=	80.36%	

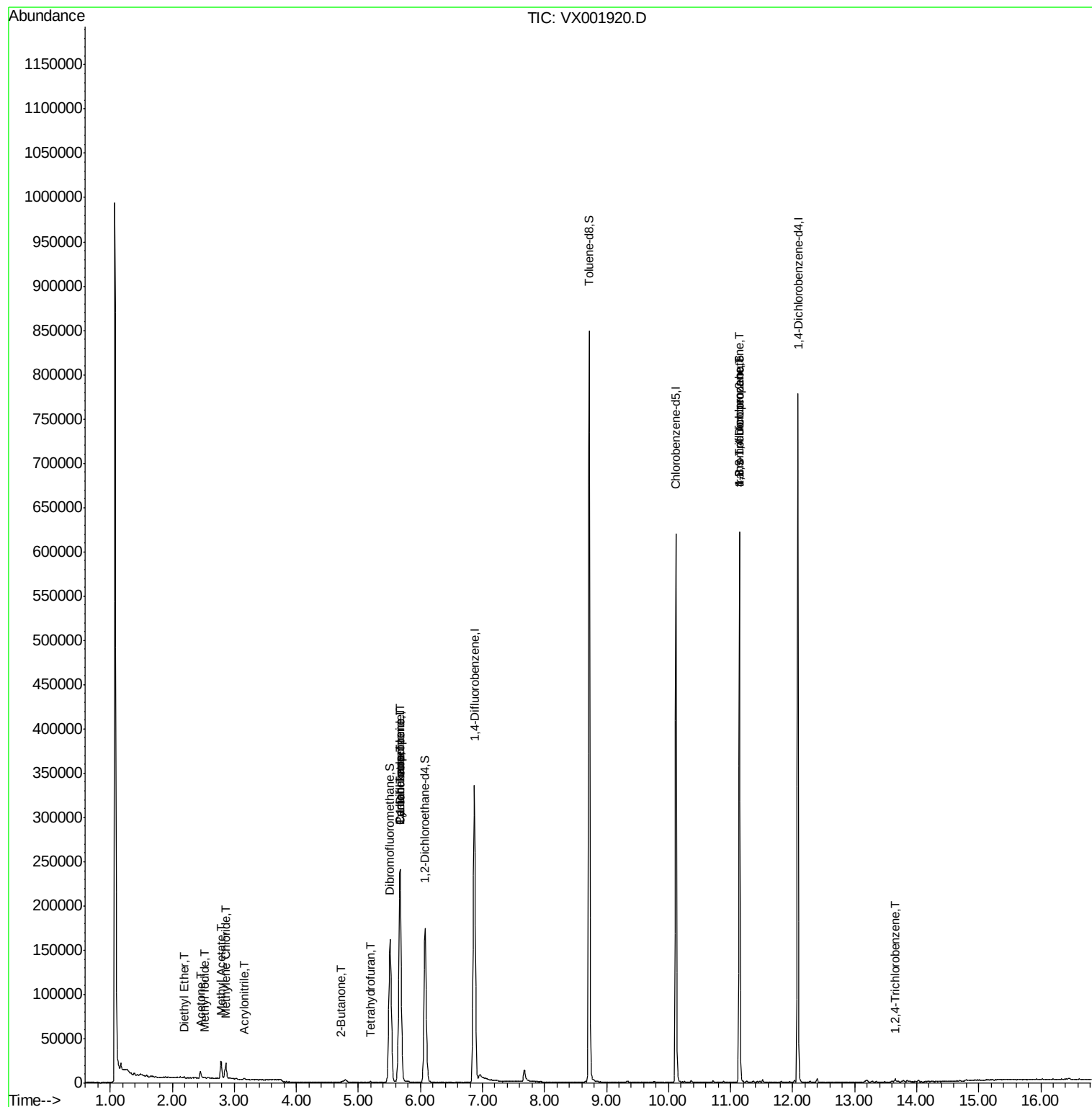
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	665	Below Cal		92
8) Diethyl Ether	2.20	74	459	0.26	ug/l	94
10) Methyl Iodide	2.53	142	929	0.39	ug/l	92
15) Acrylonitrile	3.16	53	372	0.24	ug/l #	94
16) Acetone	2.45	43	8728	6.49	ug/l	98
18) Methyl Acetate	2.78	43	24430	6.22	ug/l	100
20) Methylene Chloride	2.86	84	8715	3.03	ug/l	95
25) 2-Butanone	4.72	43	2032	0.99	ug/l #	85
29) Tetrahydrofuran	5.19	42	963	0.72	ug/l #	61
31) Cyclohexane	5.67	56	4164	0.97	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15637	3.86	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21572	5.09	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	72172	21.98	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	72172	64.47	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	992	0.20	ug/l	95

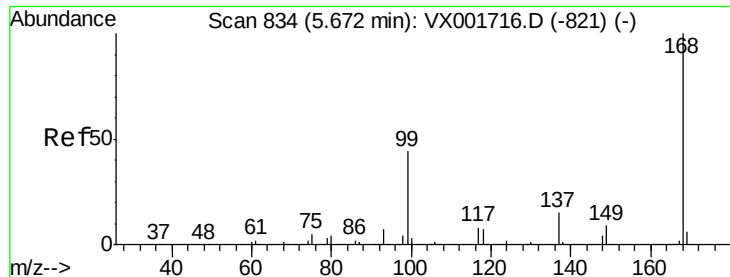
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

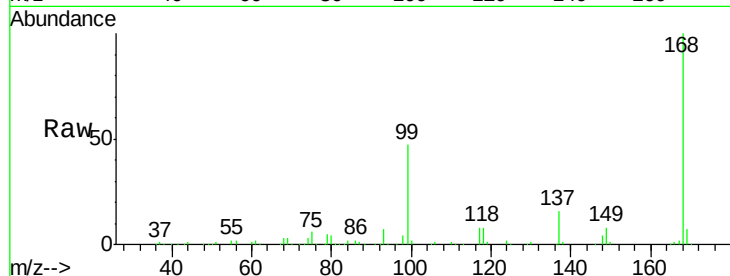
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 255313

Ion Ratio Lower Upper

168 100

99 46.8 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

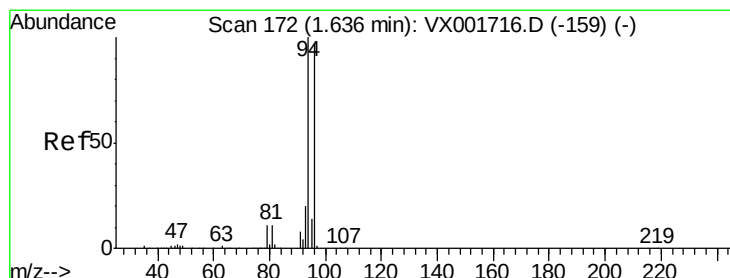
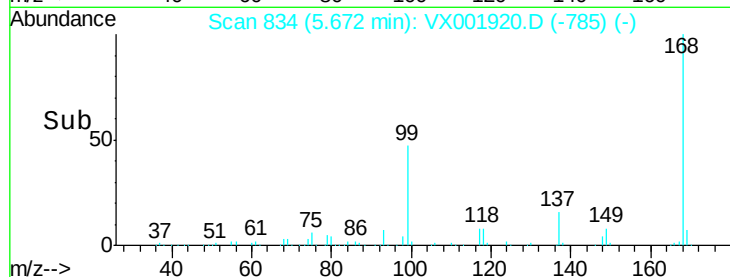
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001920.D

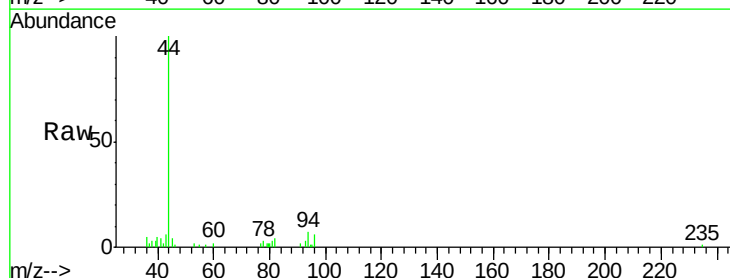
Acq: 23 May 2018 03:39

Tgt Ion: 94 Resp: 665

Ion Ratio Lower Upper

94 100

96 89.2 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

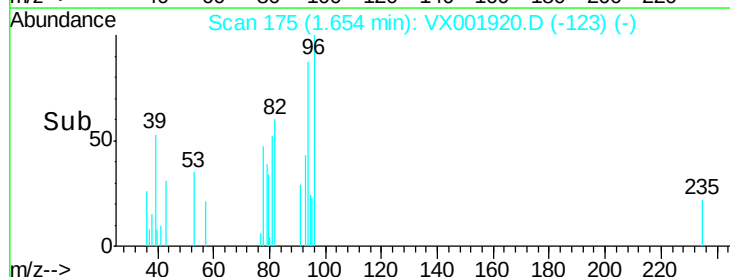
200

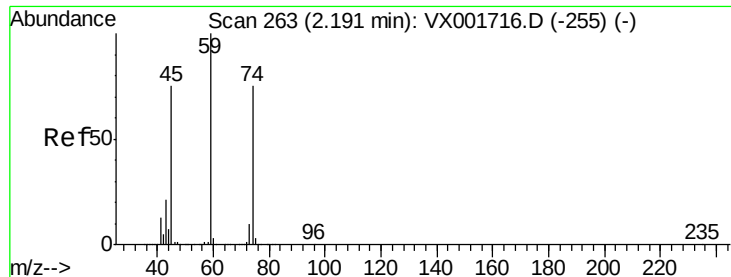
100

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.26 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

Instrument :

MSVOA_X

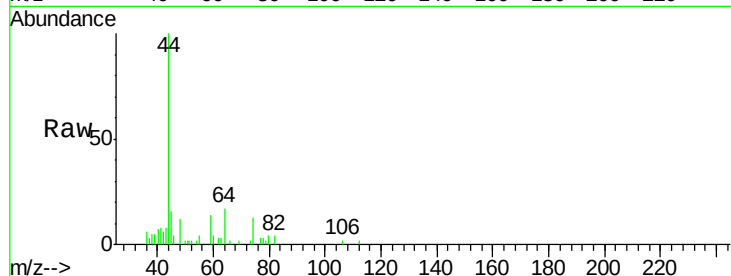
ClientSampled :

Tot Ion: 74 Resp: 459

Ion Ratio Lower Upper

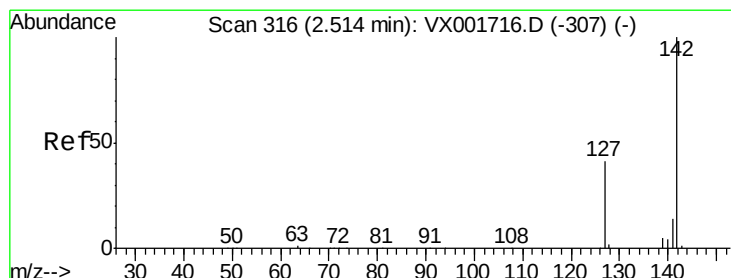
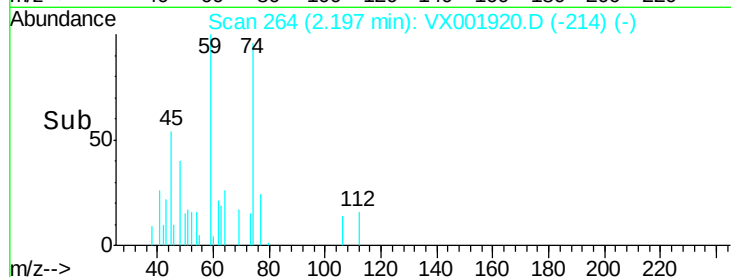
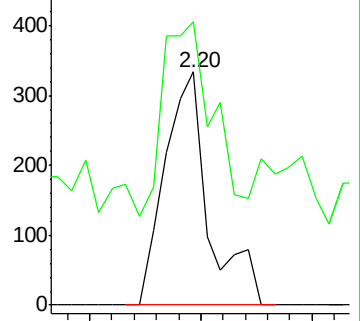
74 100

45 93.9 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.39 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

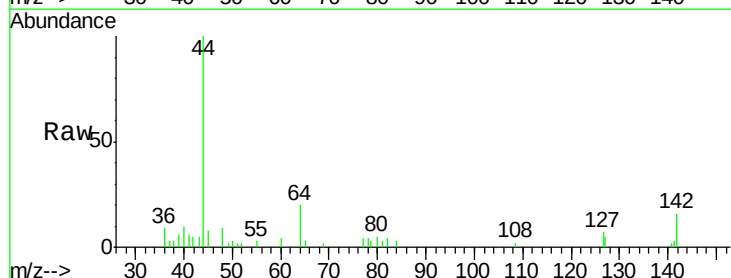
Tgt Ion: 142 Resp: 929

Ion Ratio Lower Upper

142 100

127 46.4 32.5 48.7

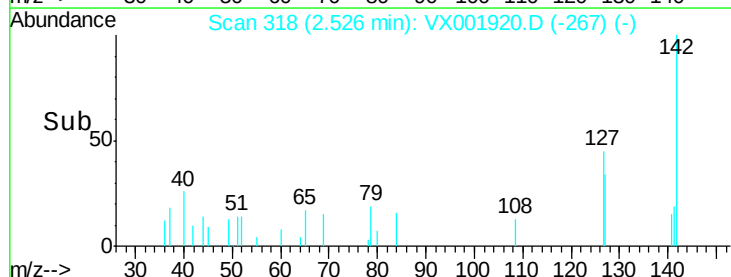
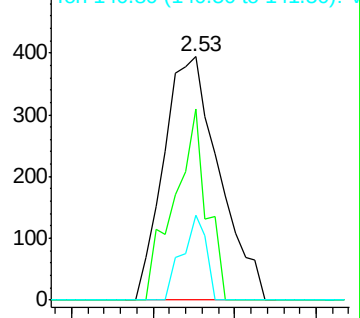
141 15.2 11.4 17.0

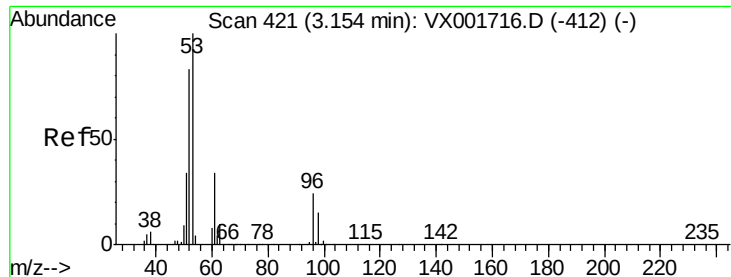


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#15

Acrylonitrile

Concen: 0.24 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

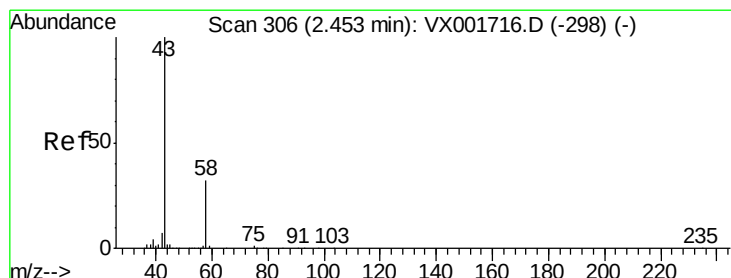
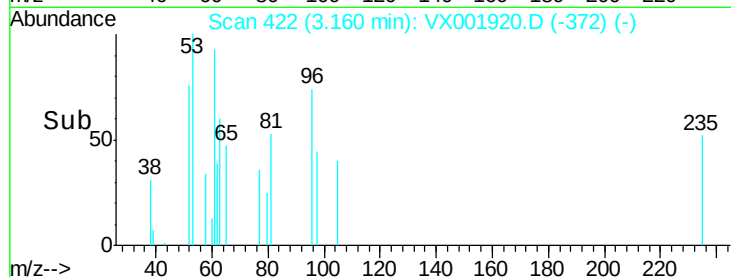
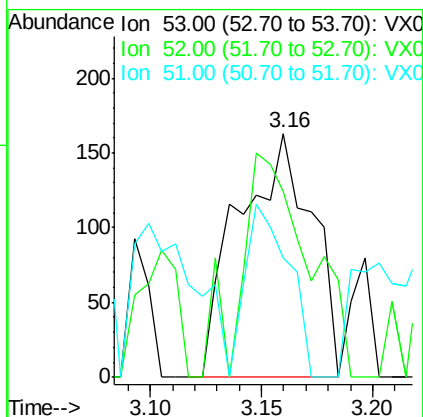
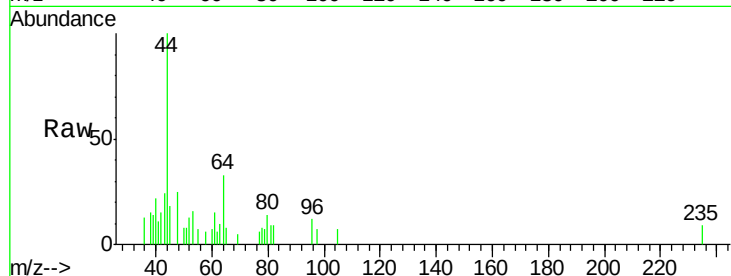
Lab File: VX001920.D

Acq: 23 May 2018 03:39

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 372

Ion	Ratio	Lower	Upper
53	100		
52	85.5	65.6	98.4
51	42.2	28.1	42.1#



#16

Acetone

Concen: 6.49 ug/l

RT: 2.45 min Scan# 306

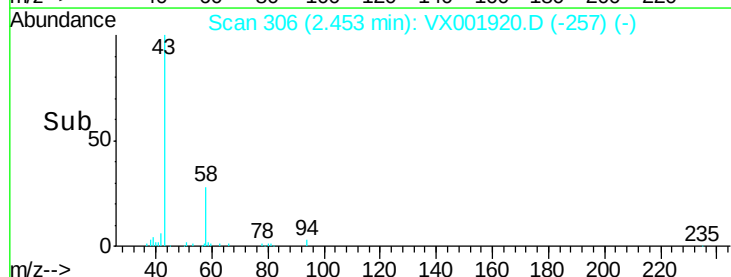
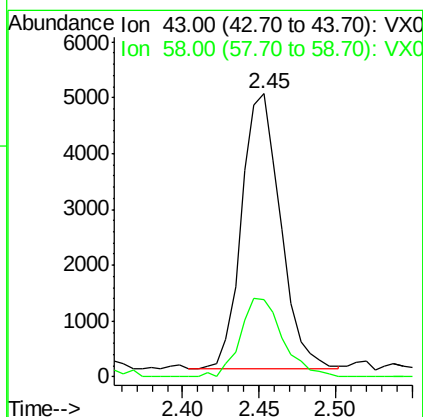
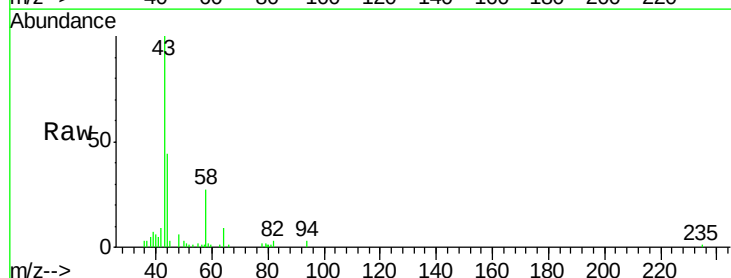
Delta R.T. 0.00 min

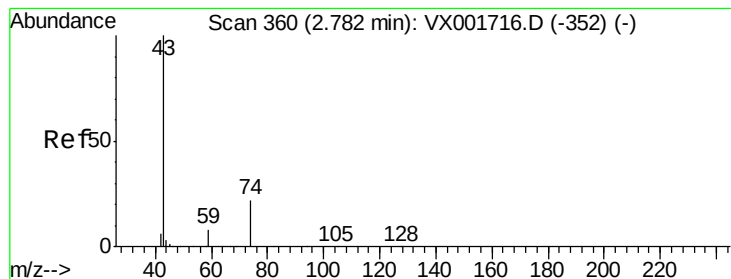
Lab File: VX001920.D

Acq: 23 May 2018 03:39

Tgt Ion: 43 Resp: 8728

Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.3	37.9





#18

Methvl Acetate

Concen: 6.22 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

Instrument :

MSVOA_X

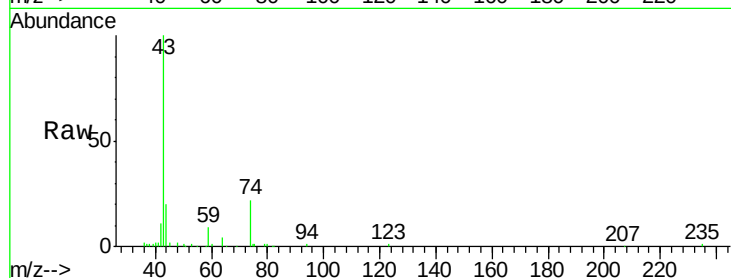
ClientSampleId :

Tot Ion: 43 Resp: 24430

Ion Ratio Lower Upper

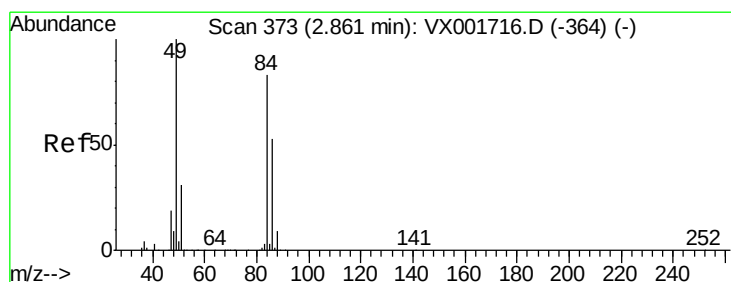
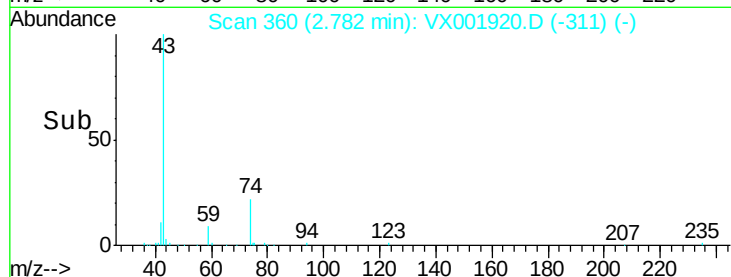
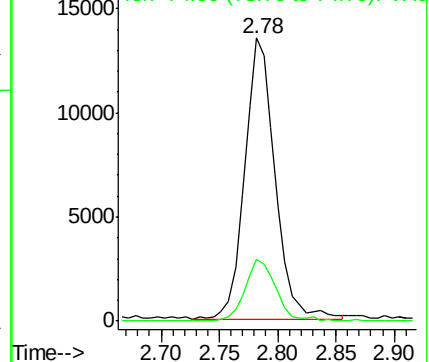
43 100

74 22.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 3.03 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

Tgt Ion: 84 Resp: 8715

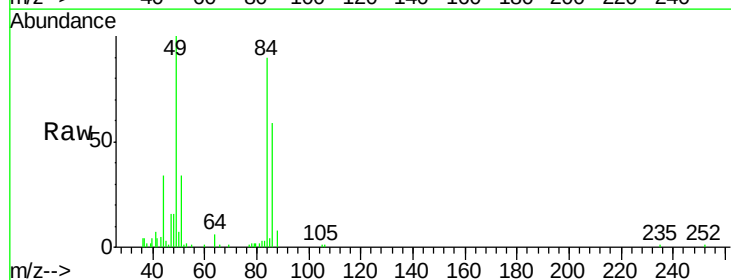
Ion Ratio Lower Upper

84 100

49 110.5 96.3 144.5

51 37.2 29.8 44.6

86 65.4 51.0 76.6

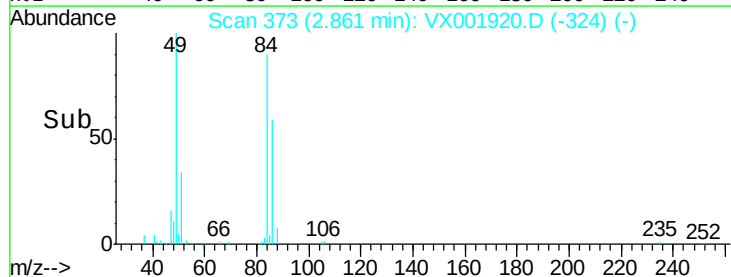
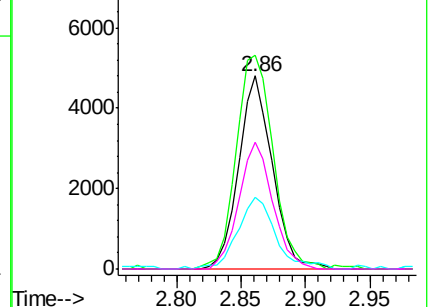


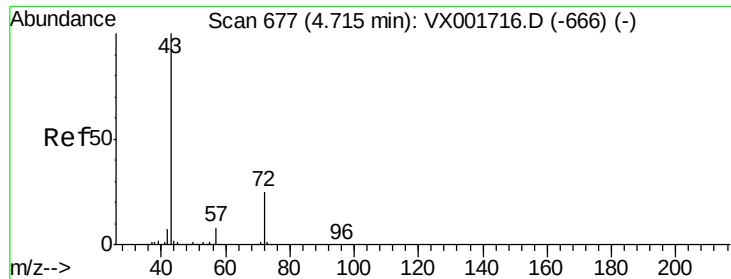
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.99 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

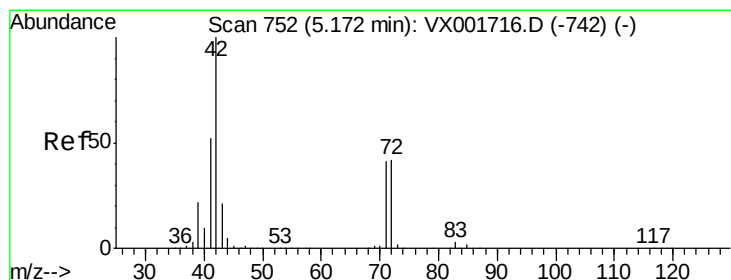
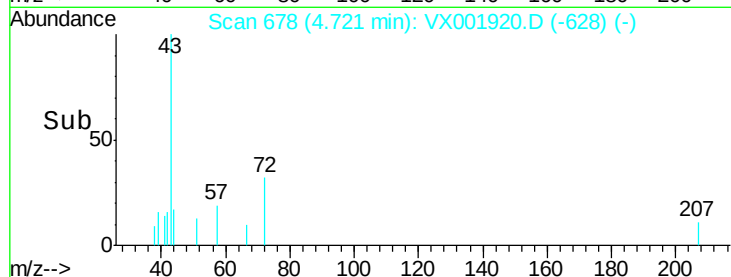
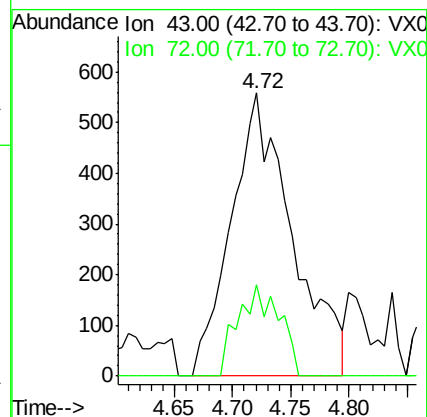
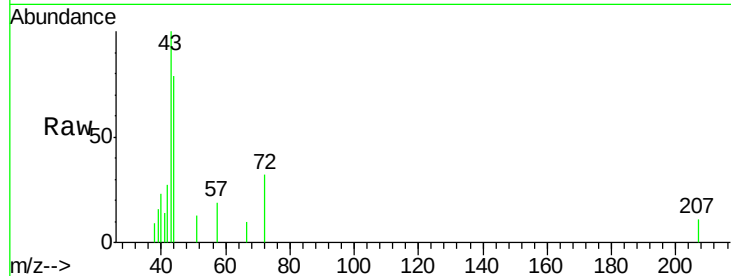
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2032

Ion Ratio Lower Upper

43 100

72 32.3 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.72 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

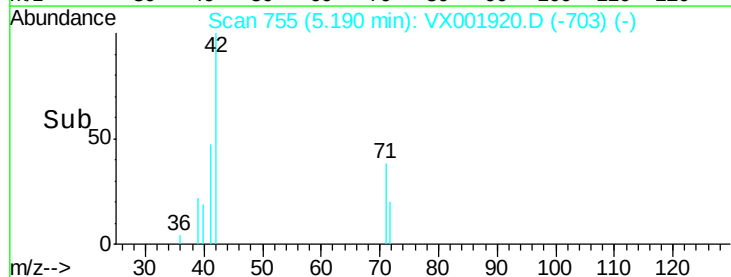
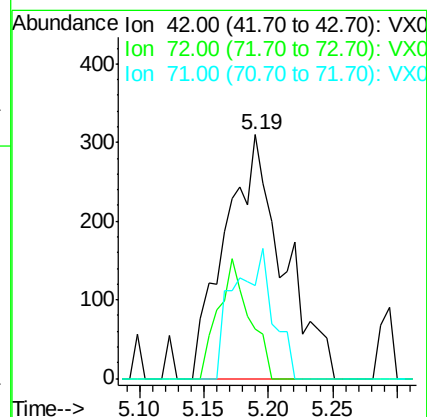
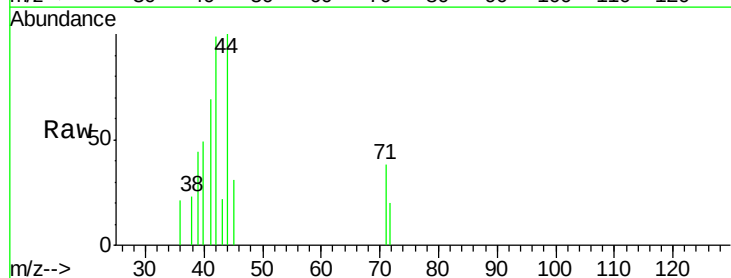
Tgt Ion: 42 Resp: 963

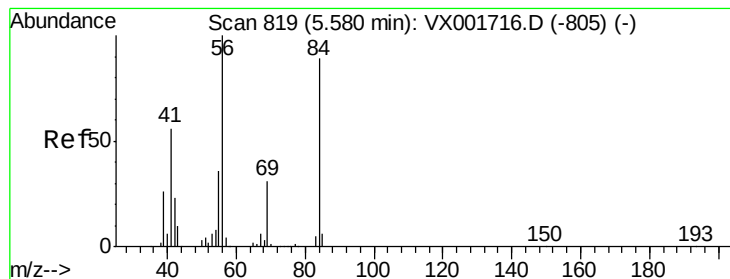
Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

71 36.0 33.2 49.8





#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

Instrument :

MSVOA_X

ClientSampled :

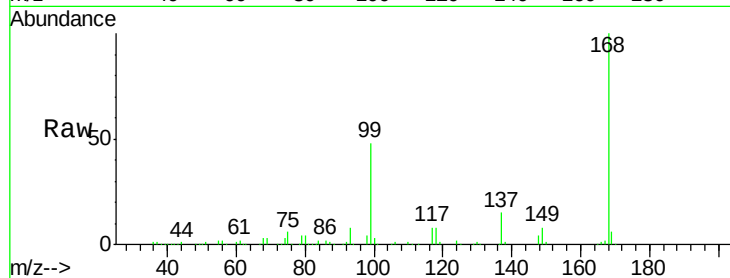
Tot Ion: 56 Resp: 4164

Ion Ratio Lower Upper

56 100

69 171.8 25.0 37.6#

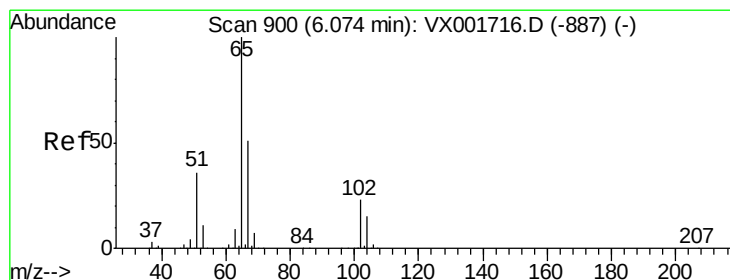
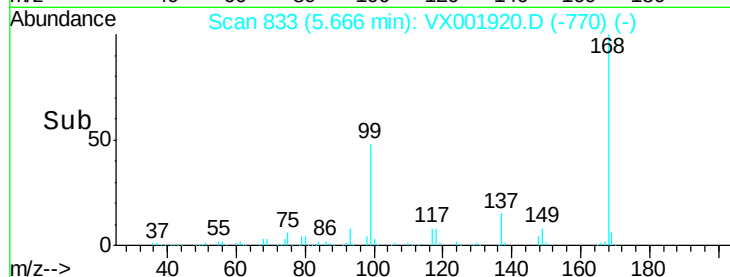
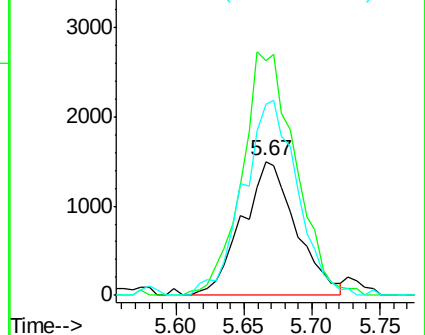
84 142.4 71.0 106.4#



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: 47.31 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001920.D

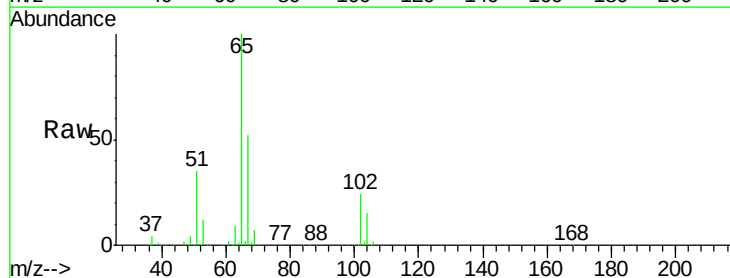
Acq: 23 May 2018 03:39

Tgt Ion: 65 Resp: 161892

Ion Ratio Lower Upper

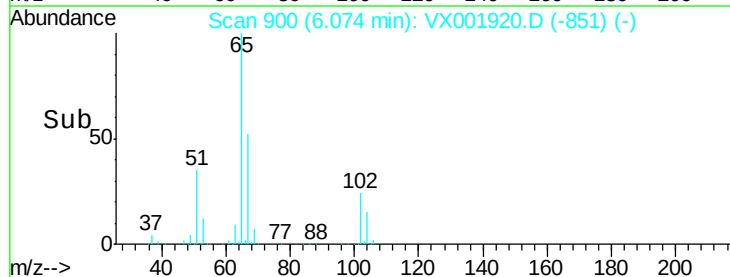
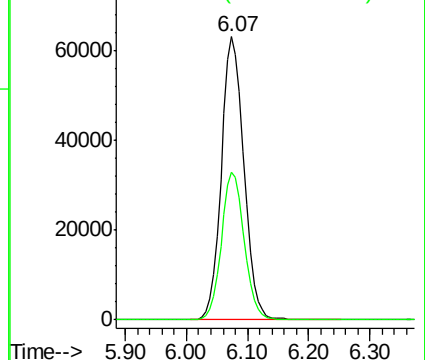
65 100

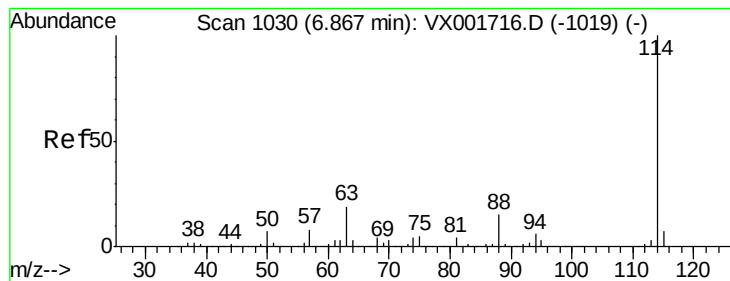
67 52.6 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

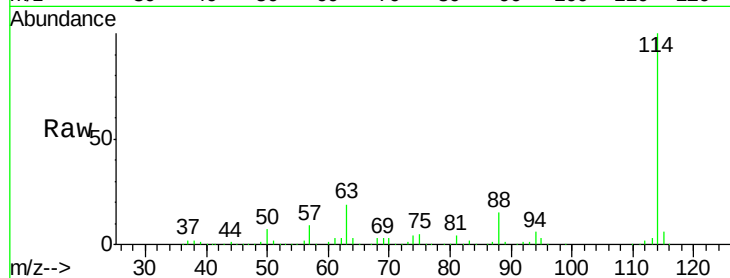
Tot Ion:114 Resp: 351715

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.0

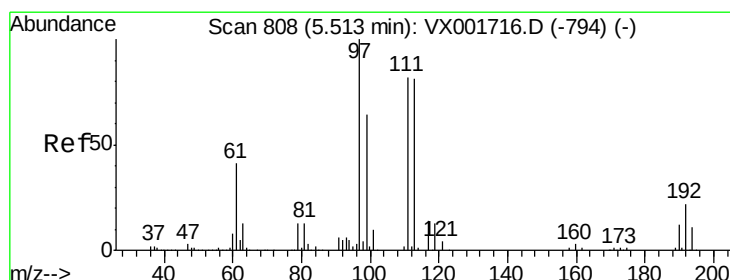
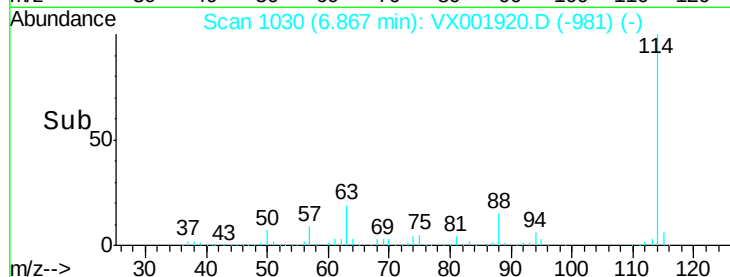
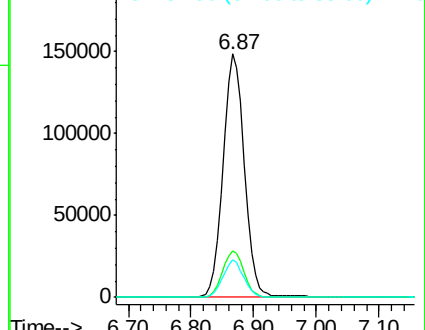
88 15.2 0.0 29.8



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: 45.24 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

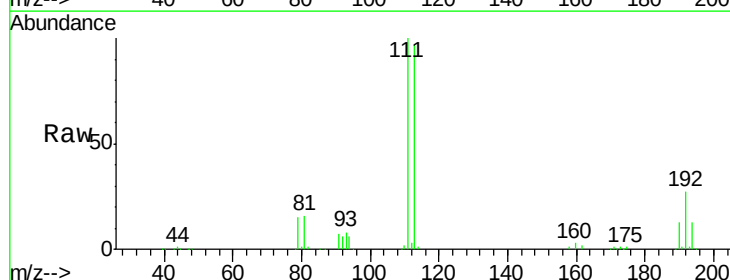
Tgt Ion:113 Resp: 134280

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

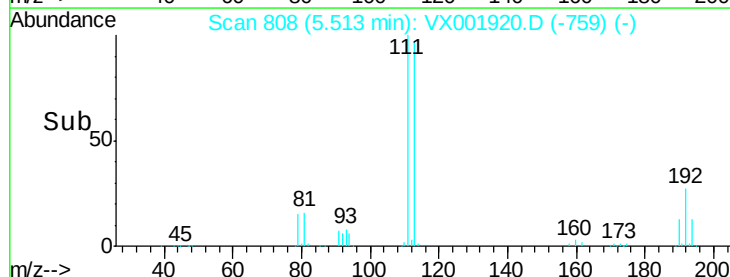
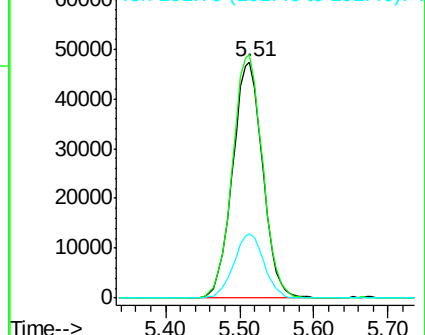
192 27.3 21.6 32.4

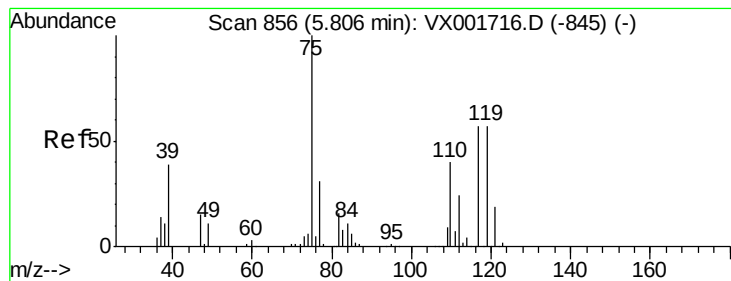


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

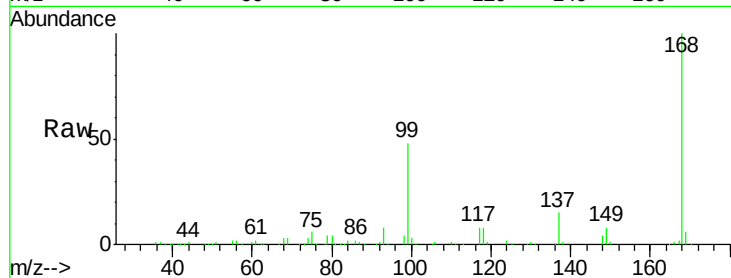
Tot Ion: 75 Resp: 15637

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.1#

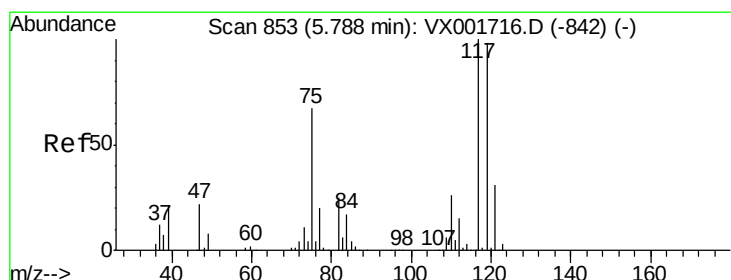
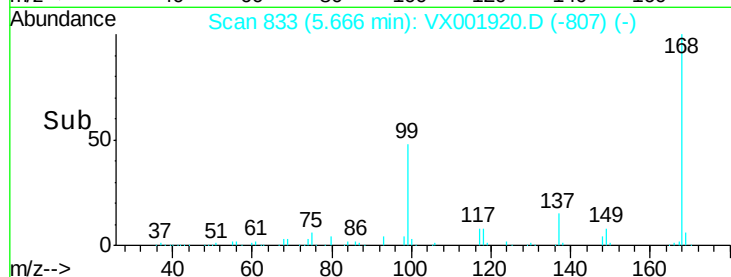
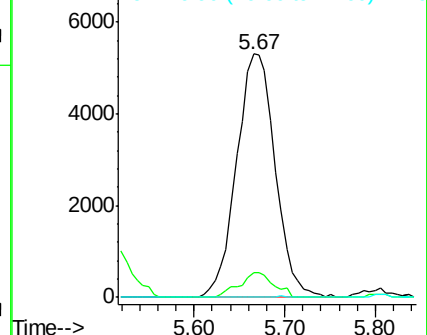
77 0.0 24.6 37.0#



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: 5.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001920.D

Acq: 23 May 2018 03:39

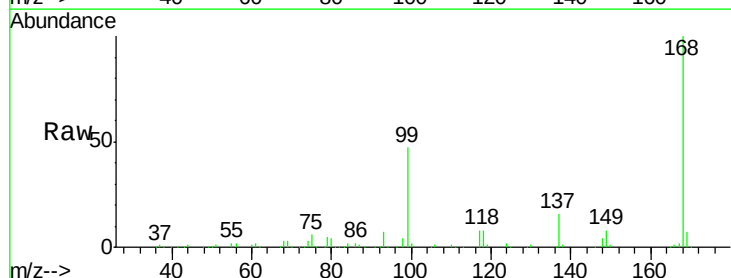
Tgt Ion: 117 Resp: 21572

Ion Ratio Lower Upper

117 100

119 6.5 77.6 116.4#

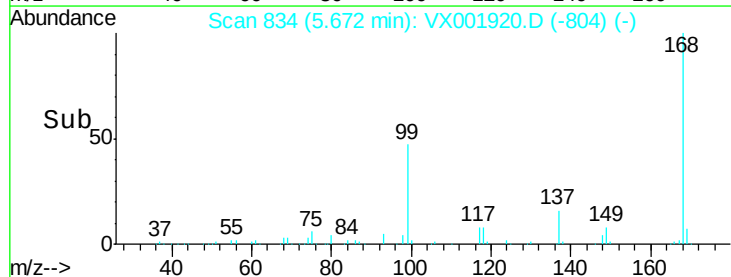
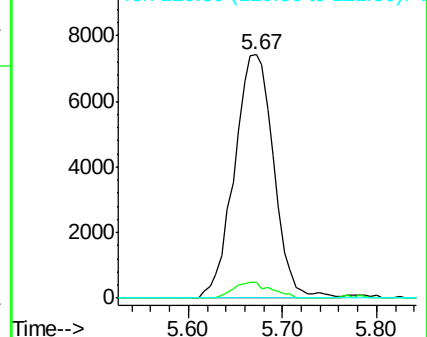
121 0.0 24.6 36.8#

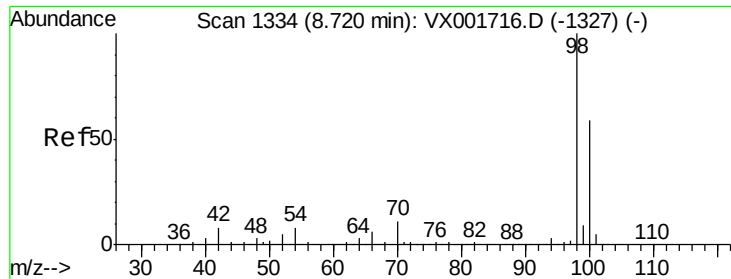


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

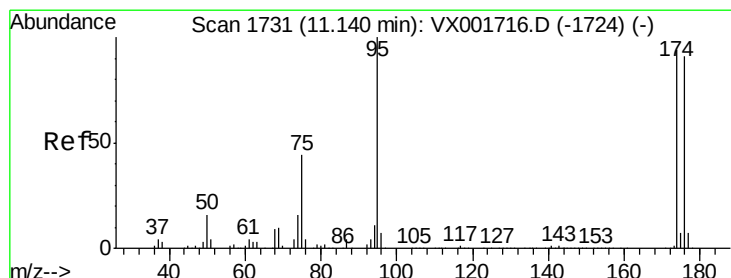
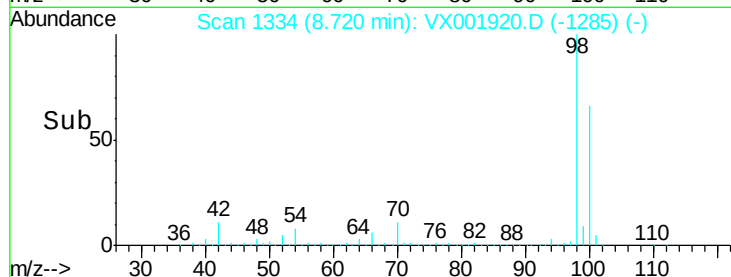
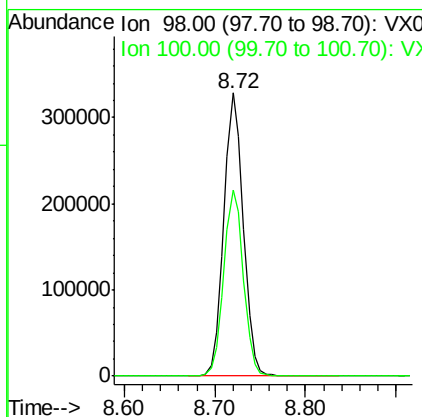
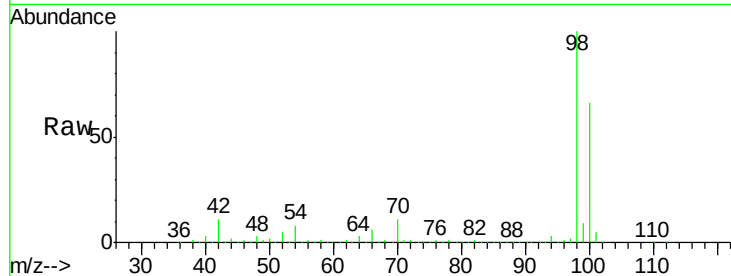




#50
Toluene-d8
Concen: 46.39 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001920.D
Acq: 23 May 2018 03:39

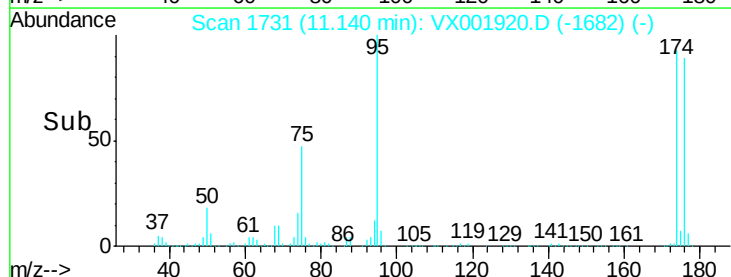
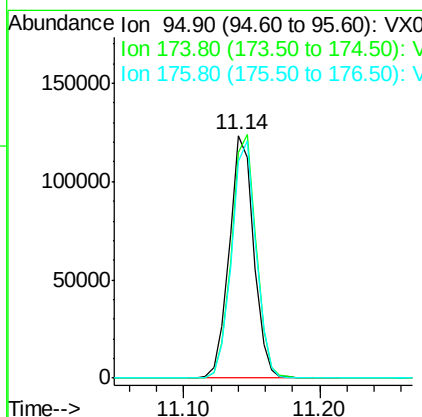
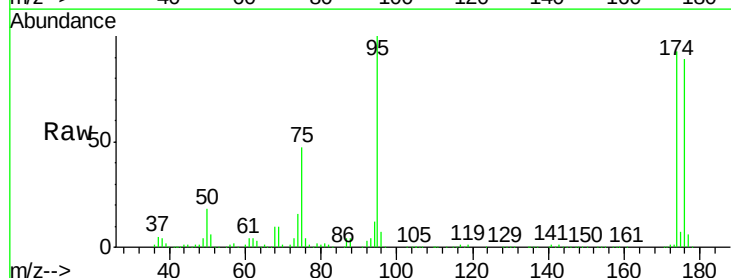
Instrument :
MSVOA_X
ClientSampleId :

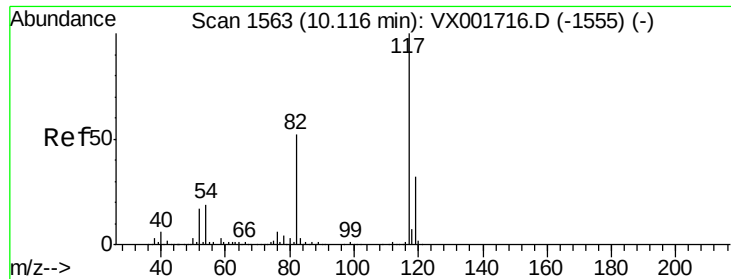
Tot Ion: 98 Resp: 493151
Ion Ratio Lower Upper
98 100
100 66.2 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 40.18 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001920.D
Acq: 23 May 2018 03:39

Tgt Ion: 95 Resp: 153775
Ion Ratio Lower Upper
95 100
174 101.3 0.0 201.8
176 98.0 0.0 196.8

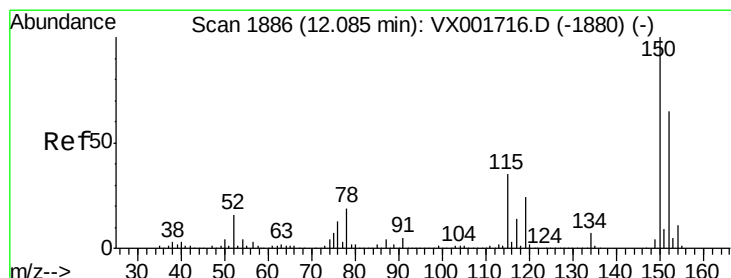
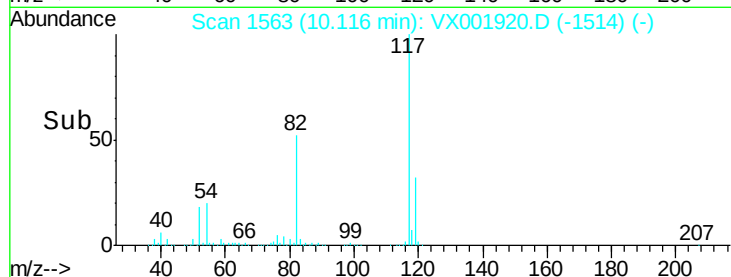
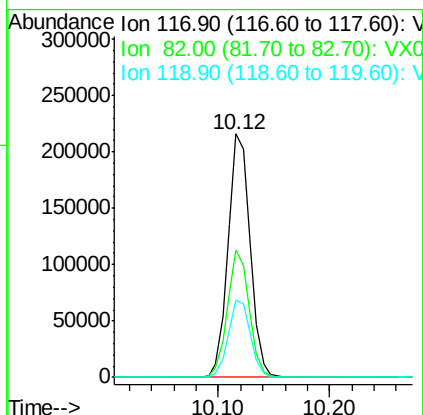
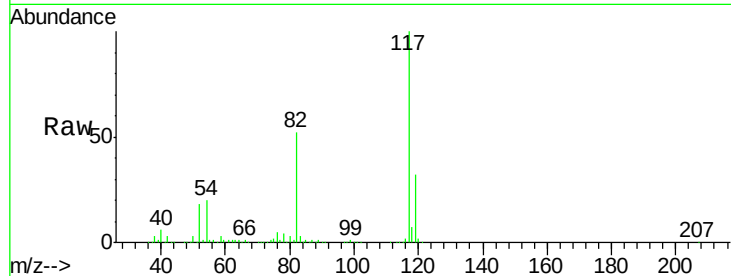




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001920.D
Acq: 23 May 2018 03:39

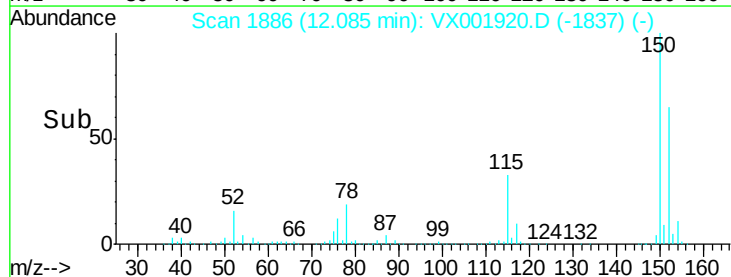
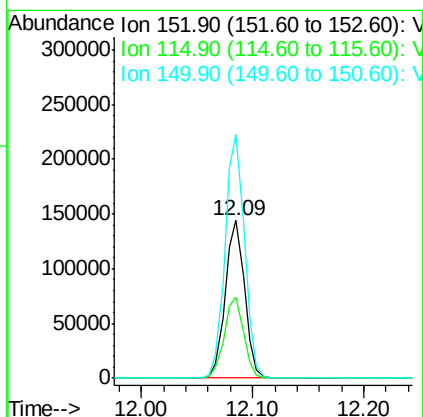
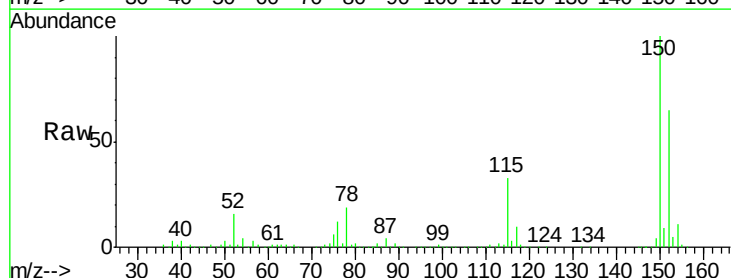
Instrument :
MSVOA_X
ClientSampleId :

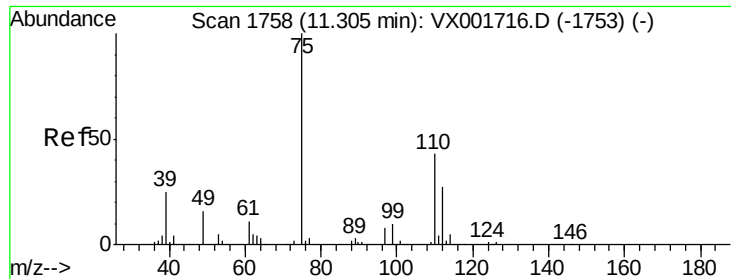
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.4	62.2
119	31.6	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001920.D
Acq: 23 May 2018 03:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.8	37.4	112.2
150	156.1	0.0	344.8

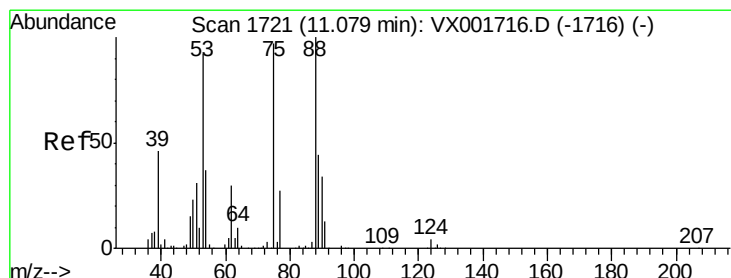
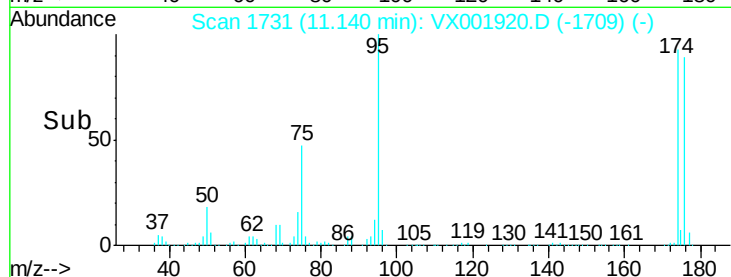
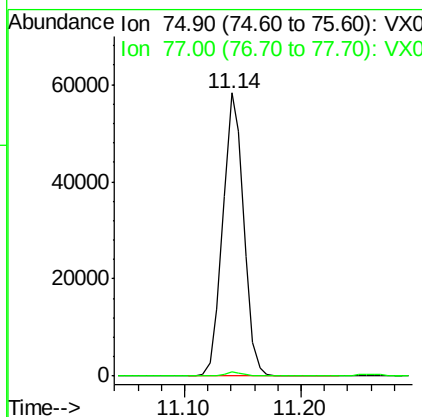
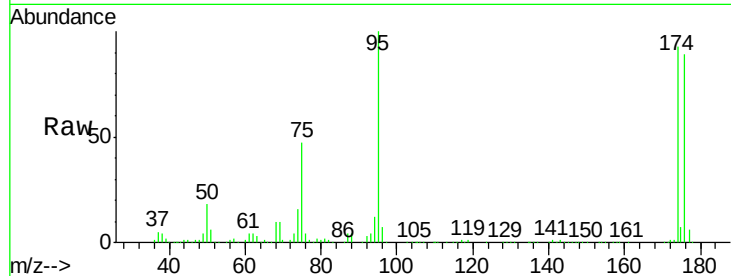




#76
 1,2,3-Trichloropropane
 Concen: 21.98 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001920.D
 Acq: 23 May 2018 03:39

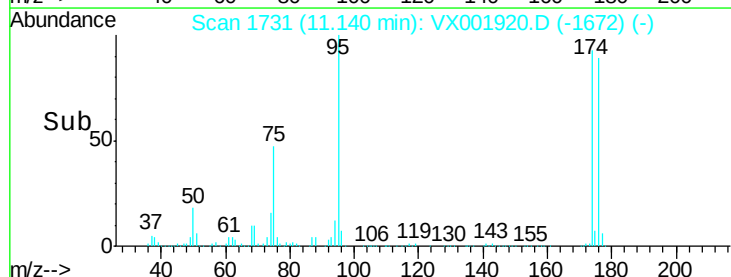
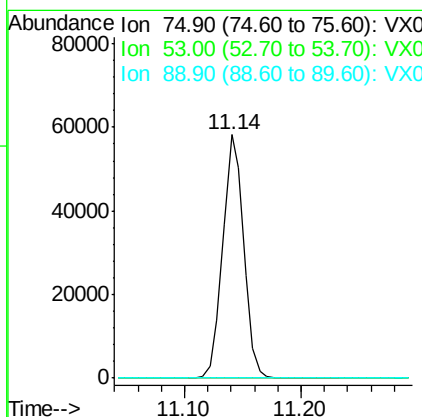
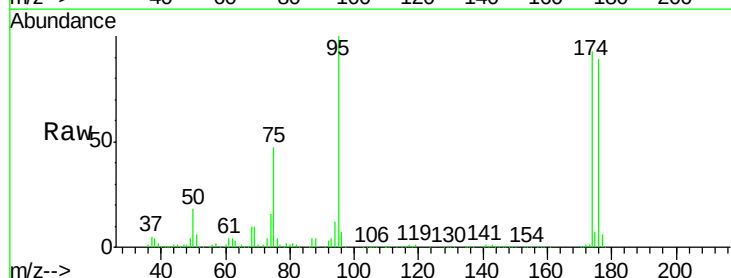
Instrument :
 MSVOA_X
 ClientSampleId :

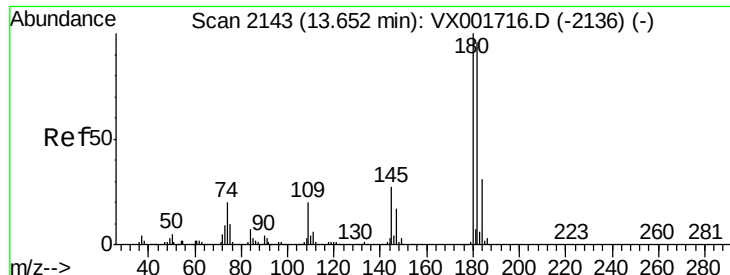
Tot Ion: 75 Resp: 72172
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.47 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001920.D
 Acq: 23 May 2018 03:39

Tgt Ion: 75 Resp: 72172
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.4 119.2#
 89 0.0 38.8 58.2#

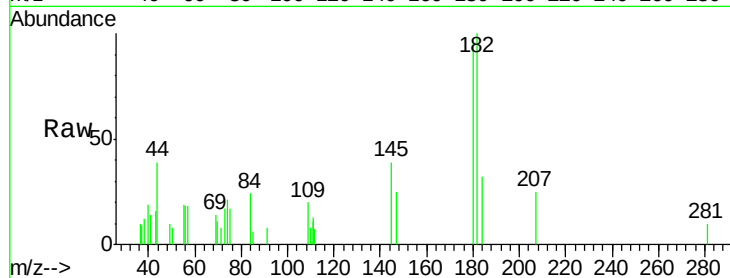




#93
 1,2,4-Trichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001920.D
 Acq: 23 May 2018 03:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.9
145	35.9	13.4	40.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

