

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001904.D
 Acq On : 22 May 2018 20:04
 Operator : JC/MD
 Sample : PB109525ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:17:49 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	239188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	134327	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	158711	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.51	113	129362	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
50) Toluene-d8	8.72	98	454789	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
62) 4-Bromofluorobenzene	11.14	95	132059	37.55	ug/l	0.00
Spiked Amount			Recovery	=	75.10%	

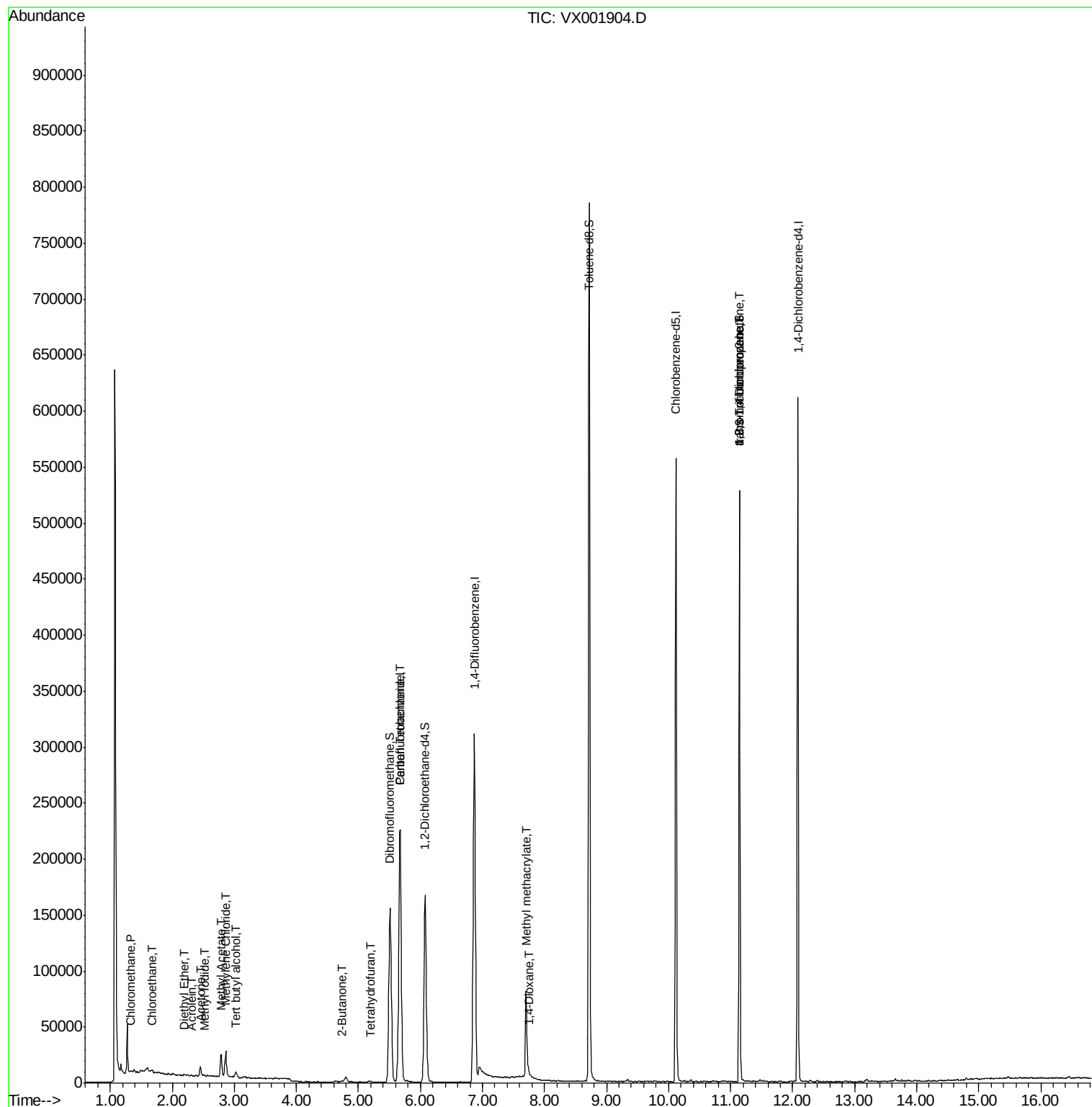
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	590	0.23	ug/l	92
5) Bromomethane	1.65	94	1441	Below Cal	#	79
6) Chloroethane	1.68	64	873	0.49	ug/l	# 49
8) Diethyl Ether	2.20	74	466	0.28	ug/l	69
10) Methyl Iodide	2.53	142	1179	0.52	ug/l	90
11) Tert butyl alcohol	3.03	59	2871	5.04	ug/l	# 92
13) Acrolein	2.31	56	96	0.24	ug/l	# 66
16) Acetone	2.45	43	9124	7.25	ug/l	97
18) Methyl Acetate	2.78	43	25064	6.81	ug/l	97
20) Methylene Chloride	2.86	84	10447	3.88	ug/l	98
25) 2-Butanone	4.73	43	1695	0.88	ug/l	# 81
29) Tetrahydrofuran	5.19	42	1000	0.80	ug/l	# 85
38) Carbon Tetrachloride	5.67	117	20168	5.17	ug/l	# 17
48) Methyl methacrylate	7.70	41	2667	0.83	ug/l	# 17
49) 1,4-Dioxane	7.75	88	20	0.33	ug/l	# 23
76) 1,2,3-Trichloropropane	11.14	75	63141	24.72	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	63141	72.10	ug/l	# 10

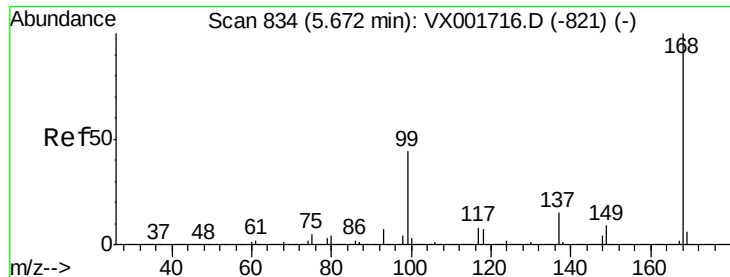
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001904.D

Acq: 22 May 2018 20:04

Instrument :

MSVOA_X

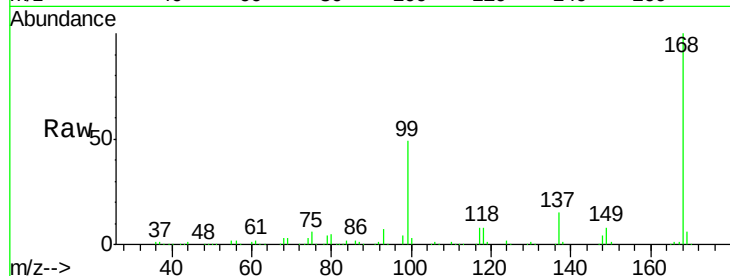
ClientSampleId :

Tot Ion:168 Resp: 239188

Ion Ratio Lower Upper

168 100

99 49.0 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

80000

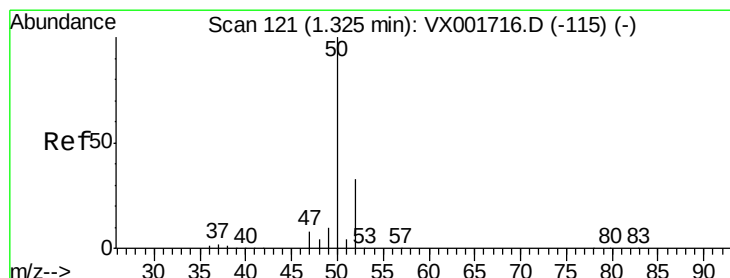
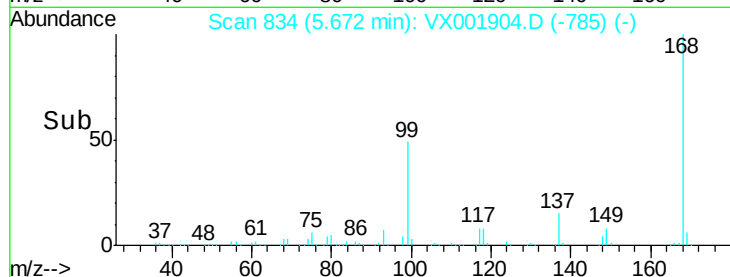
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001904.D

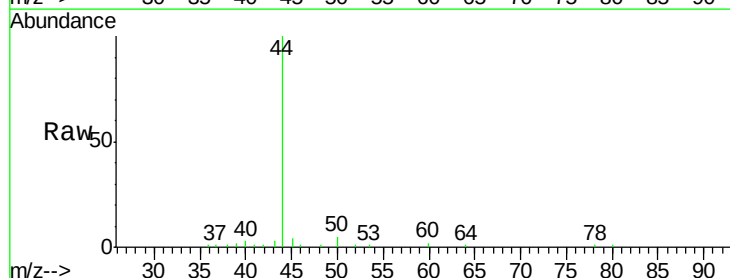
Acq: 22 May 2018 20:04

Tgt Ion: 50 Resp: 590

Ion Ratio Lower Upper

50 100

52 28.1 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

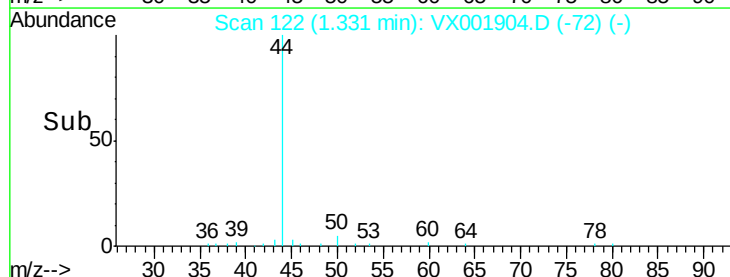
600

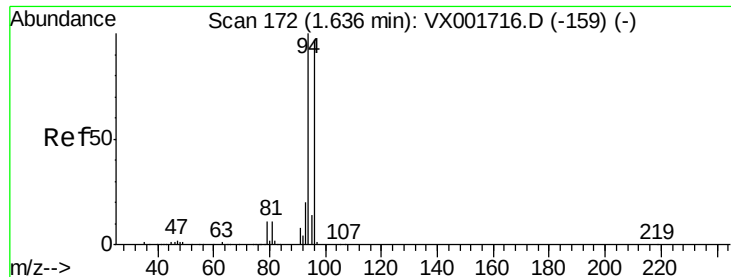
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001904.D

Acq: 22 May 2018 20:04

Instrument :

MSVOA_X

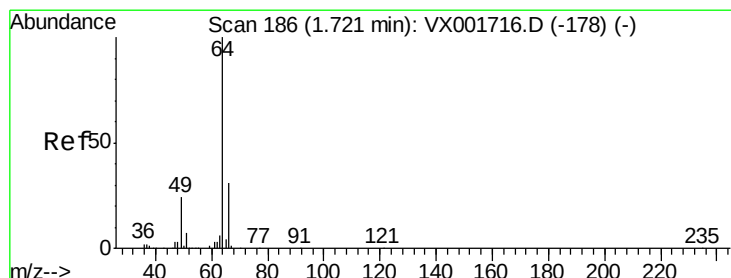
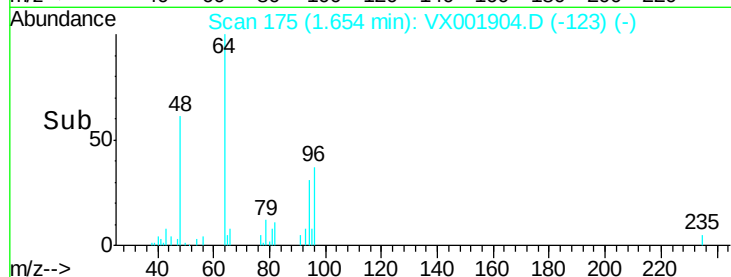
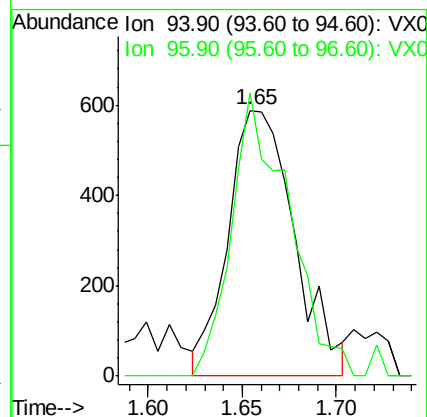
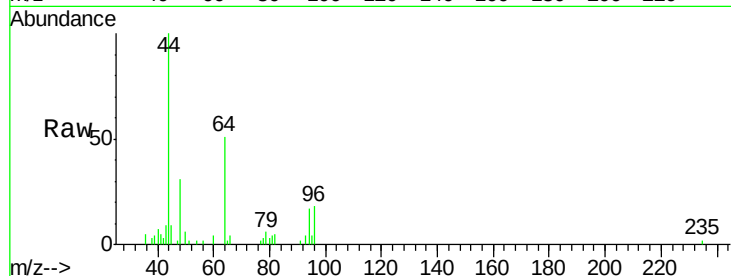
ClientSampleId :

Tot Ion: 94 Resp: 1441

Ion Ratio Lower Upper

94 100

96 117.6 77.4 116.0#



#6

Chloroethane

Concen: 0.49 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX001904.D

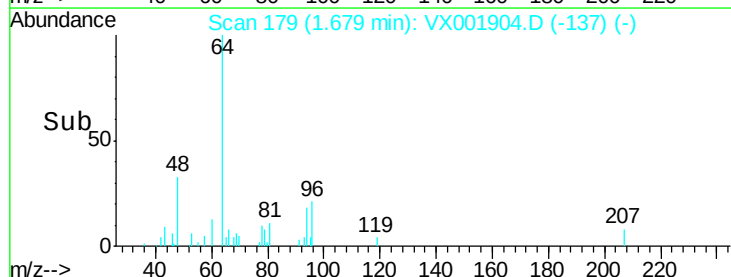
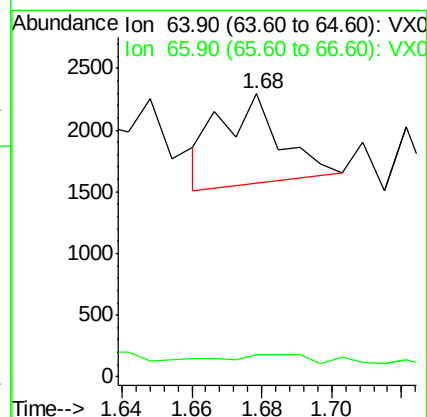
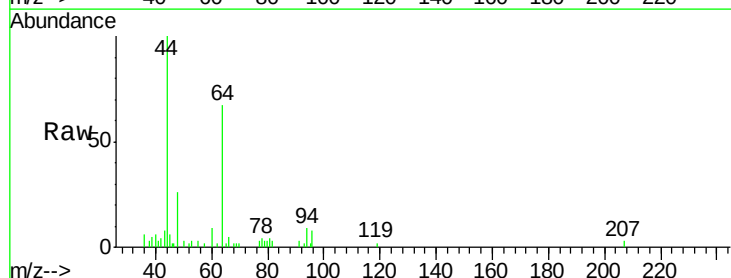
Acq: 22 May 2018 20:04

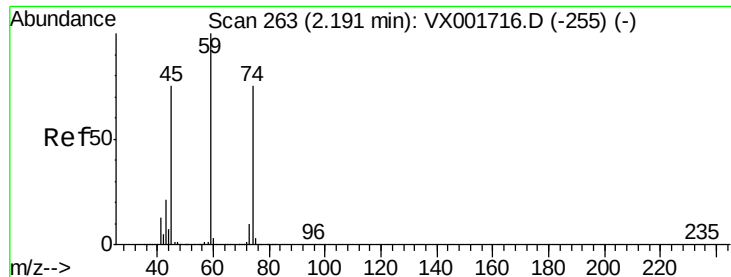
Tgt Ion: 64 Resp: 873

Ion Ratio Lower Upper

64 100

66 3.4 25.2 37.8#





#8

Diethyl Ether

Concen: 0.28 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001904.D

Acq: 22 May 2018 20:04

Instrument :

MSVOA_X

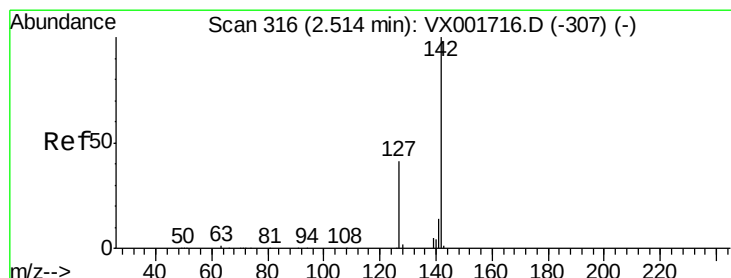
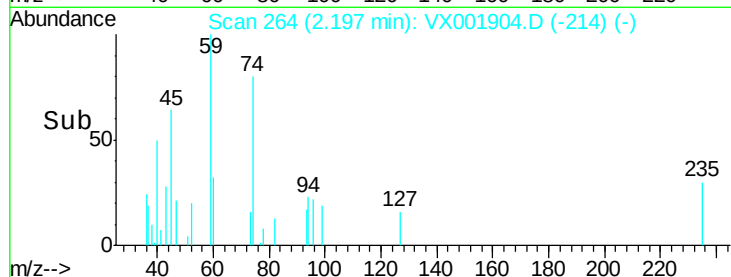
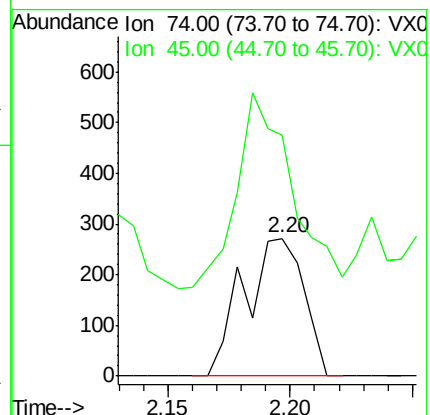
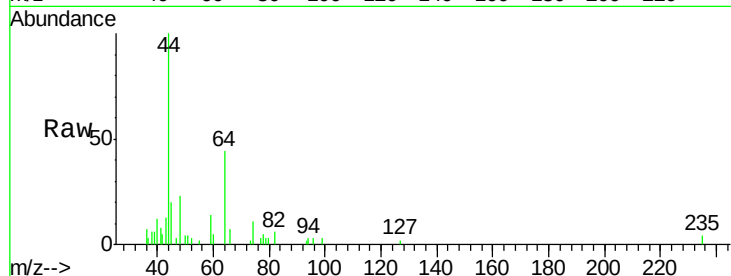
ClientSampled :

Tot Ion: 74 Resp: 466

Ion Ratio Lower Upper

74 100

45 130.9 50.0 149.8



#10

Methyl Iodide

Concen: 0.52 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001904.D

Acq: 22 May 2018 20:04

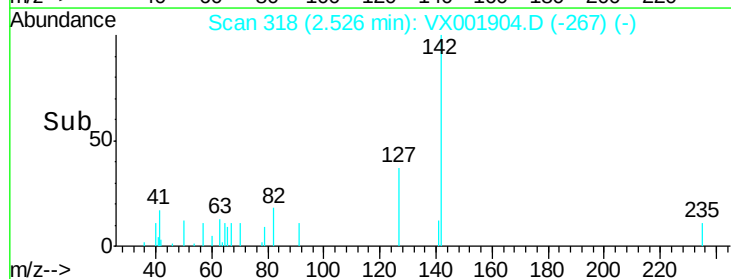
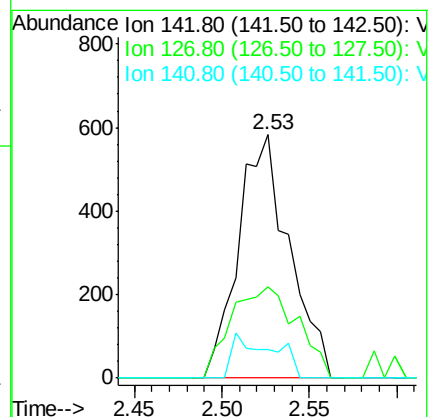
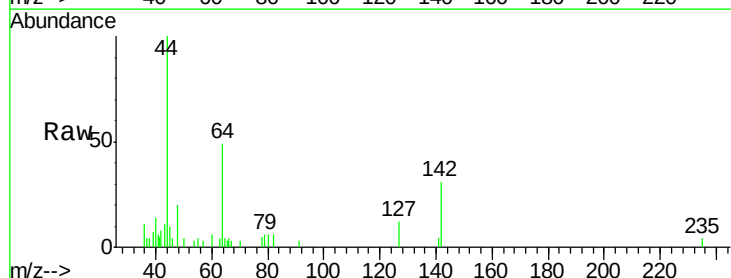
Tgt Ion: 142 Resp: 1179

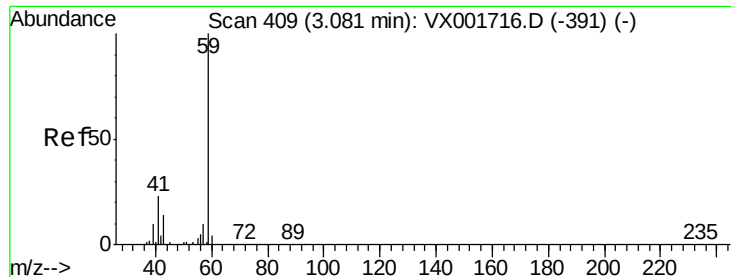
Ion Ratio Lower Upper

142 100

127 48.5 32.5 48.7

141 14.3 11.4 17.0

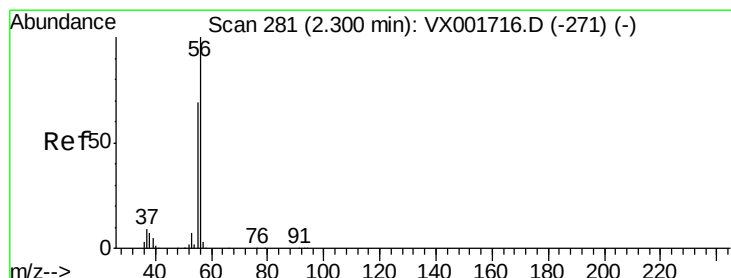
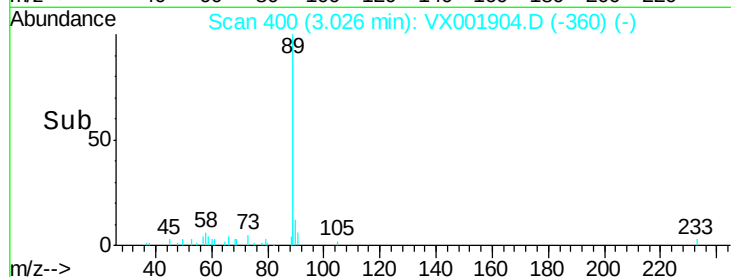
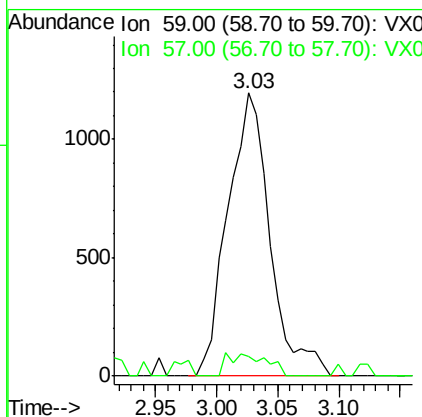
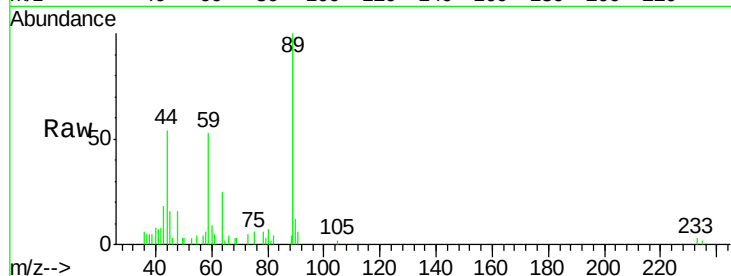




#11
Tert butyl alcohol
Concen: 5.04 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

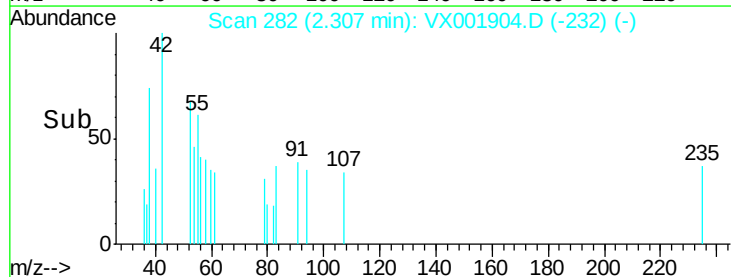
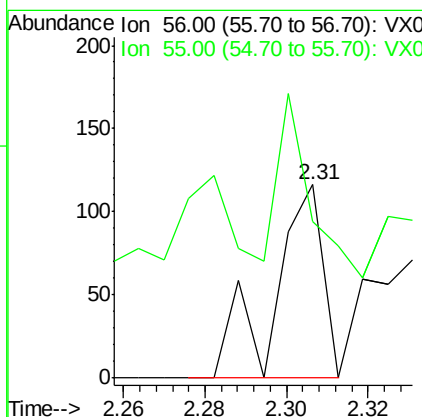
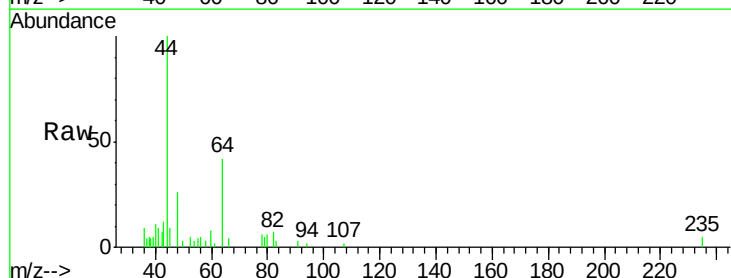
Instrument :
MSVOA_X
ClientSampled :

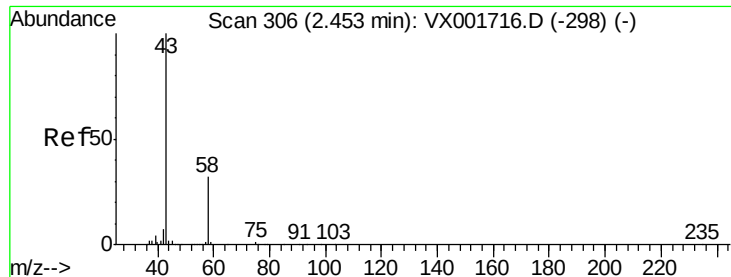
Tot Ion: 59 Resp: 2871
Ion Ratio Lower Upper
59 100
57 7.5 8.5 12.7#



#13
Acrolein
Concen: 0.24 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 97.9 56.2 84.2#





#16

Acetone

Concen: 7.25 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001904.D

Acq: 22 May 2018 20:04

Instrument :

MSVOA_X

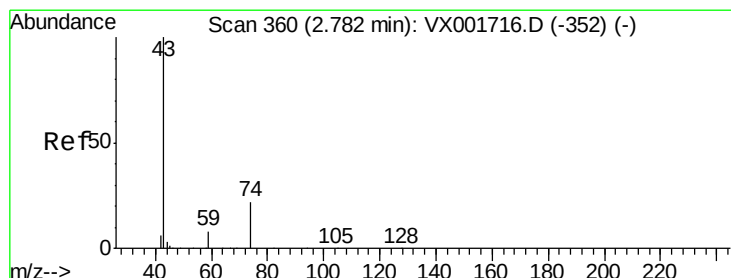
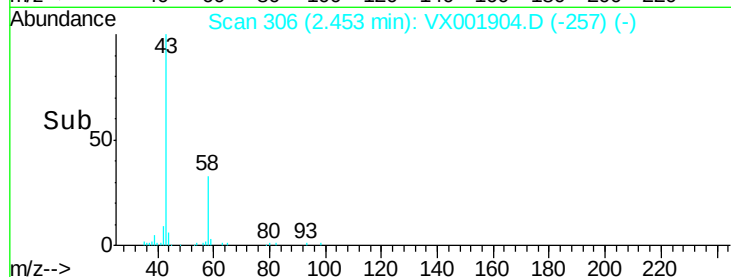
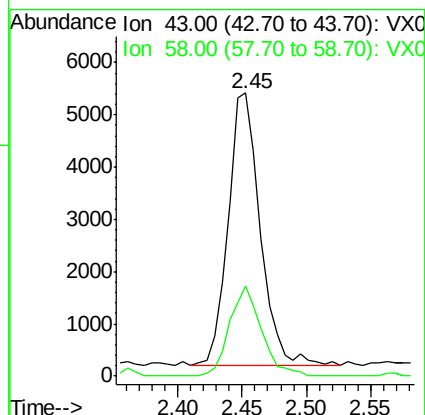
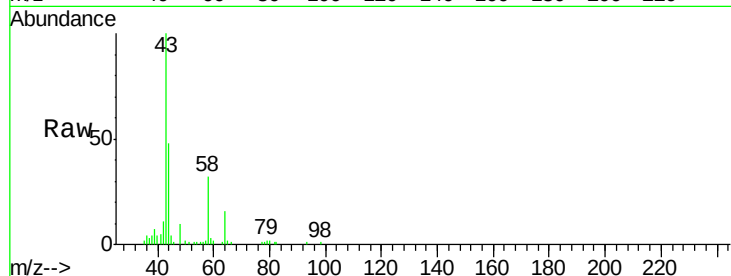
ClientSampleId :

Tot Ion: 43 Resp: 9124

Ion Ratio Lower Upper

43 100

58 33.1 25.3 37.9



#18

Methyl Acetate

Concen: 6.81 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001904.D

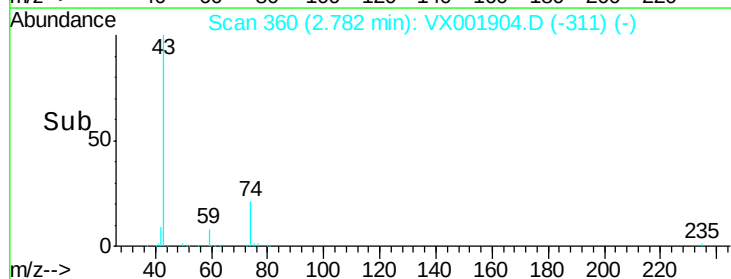
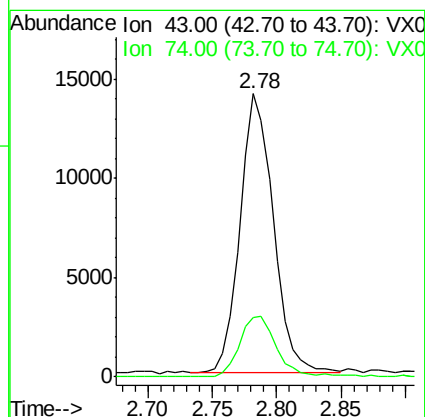
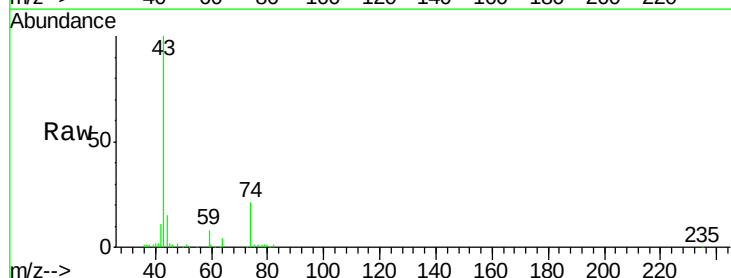
Acq: 22 May 2018 20:04

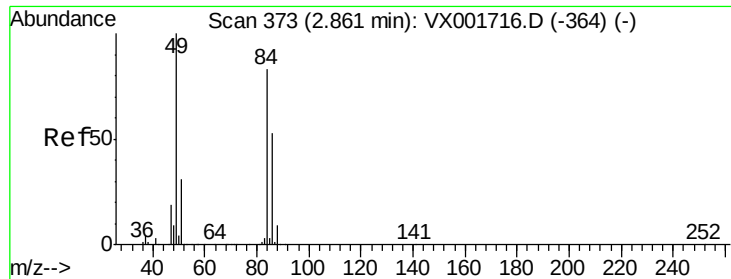
Tgt Ion: 43 Resp: 25064

Ion Ratio Lower Upper

43 100

74 24.1 18.2 27.2

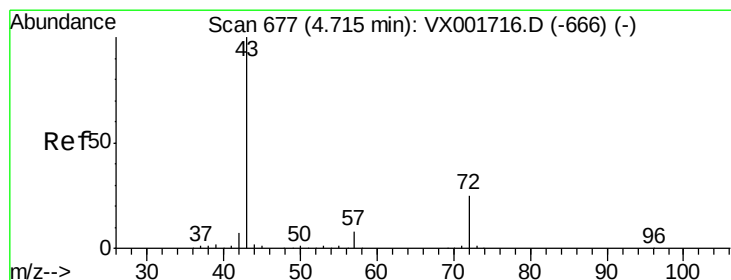
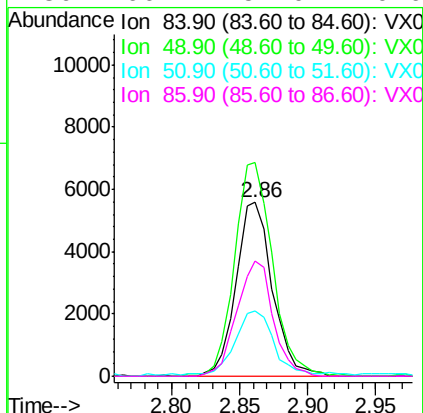
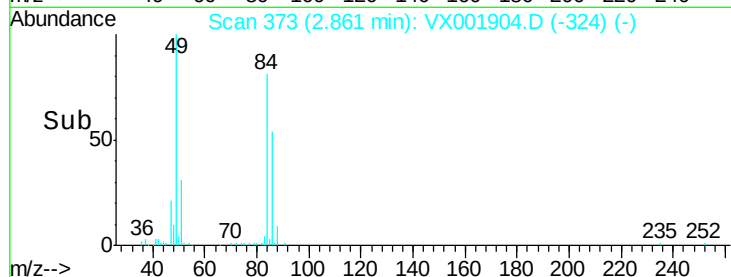
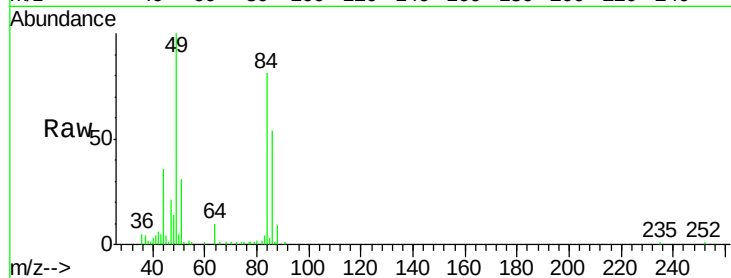




#20
Methylene Chloride
Concen: 3.88 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

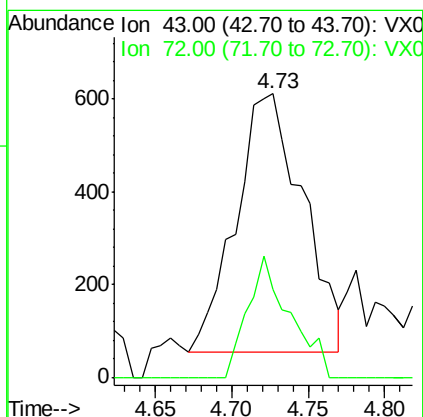
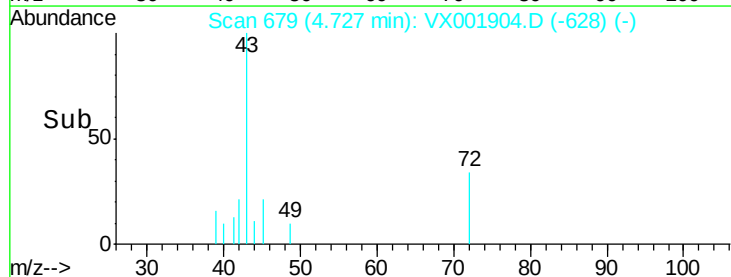
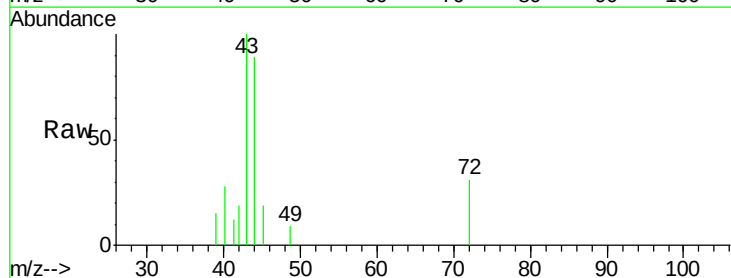
Instrument :
MSVOA_X
ClientSampled :

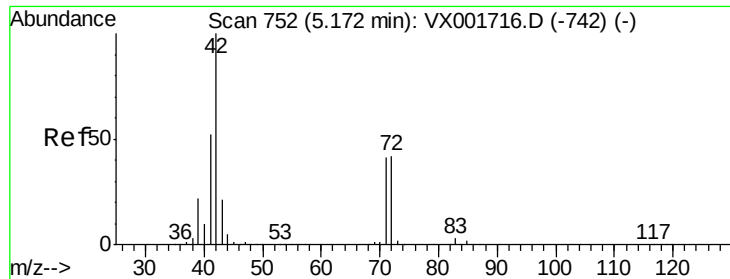
Tot Ion: 84 Resp: 10447
Ion Ratio Lower Upper
84 100
49 121.6 96.3 144.5
51 36.7 29.8 44.6
86 66.4 51.0 76.6



#25
2-Butanone
Concen: 0.88 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

Tgt Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
72 34.0 19.8 29.6#

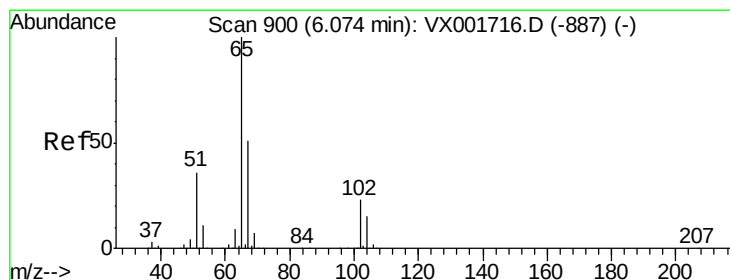
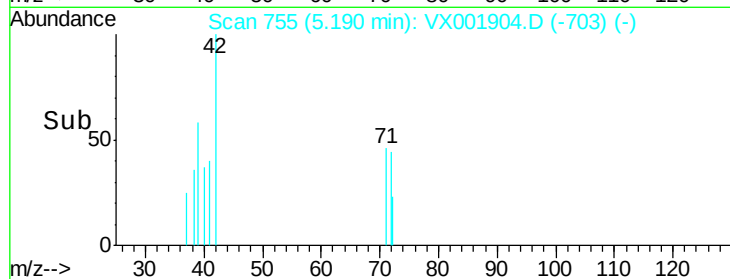
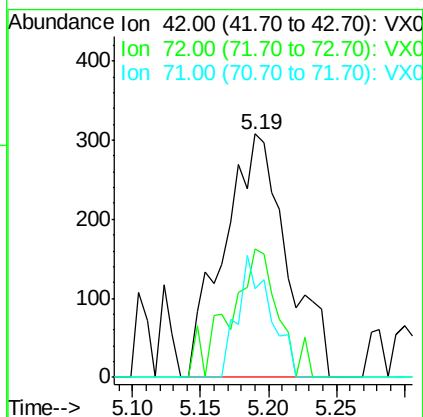
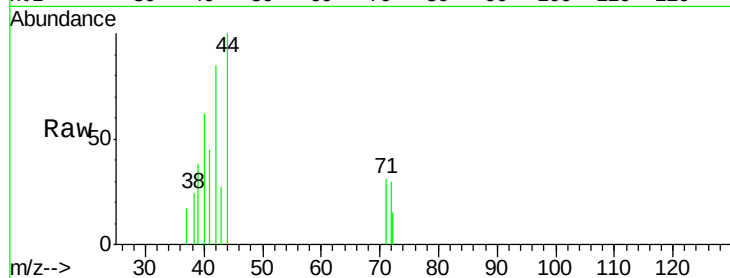




#29
Tetrahydrofuran
Concen: 0.80 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

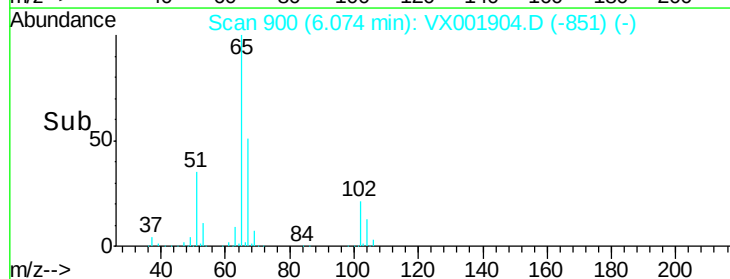
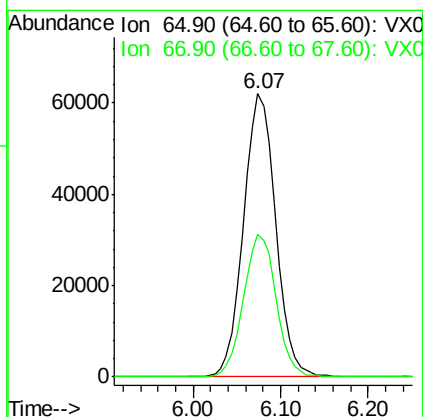
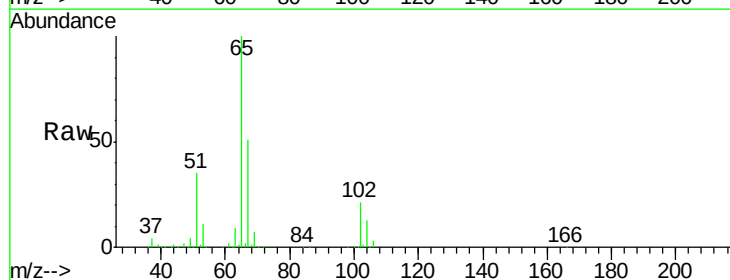
Instrument :
MSVOA_X
ClientSampled :

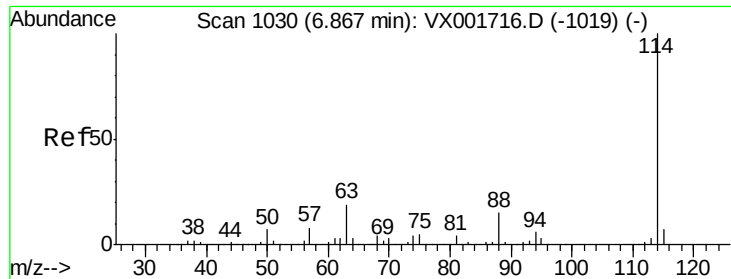
Tot Ion: 42 Resp: 1000
Ion Ratio Lower Upper
42 100
72 40.7 35.4 53.2
71 25.8 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 49.50 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

Tgt Ion: 65 Resp: 158711
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.8

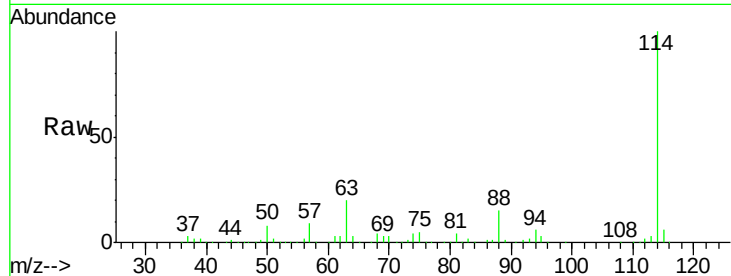




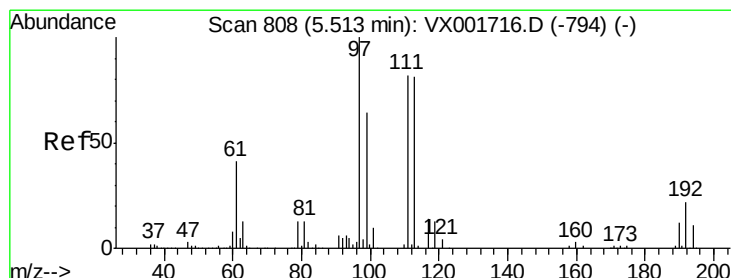
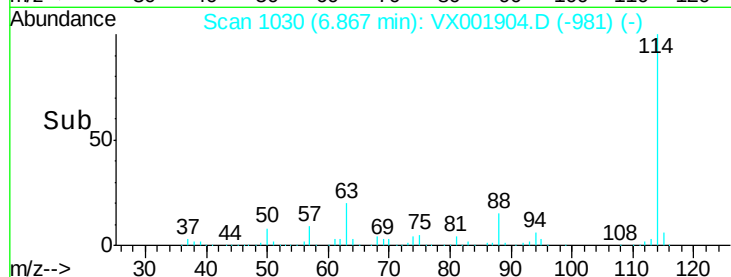
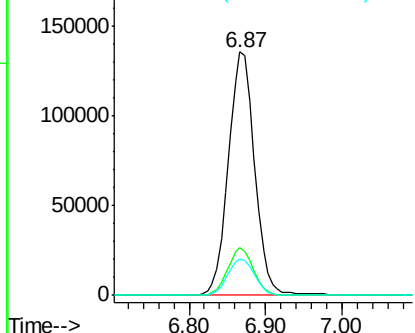
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001904.D
 Acq: 22 May 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 323194
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.0
 88 15.0 0.0 29.8

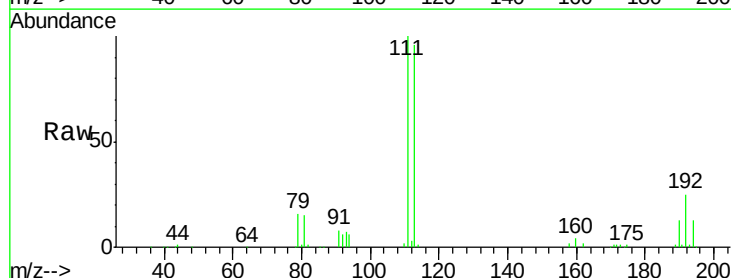


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

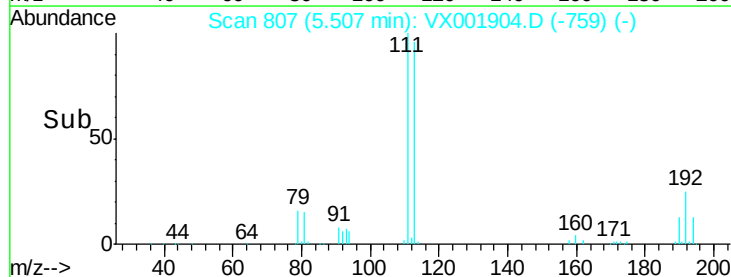
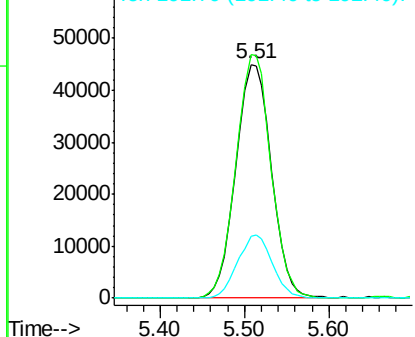


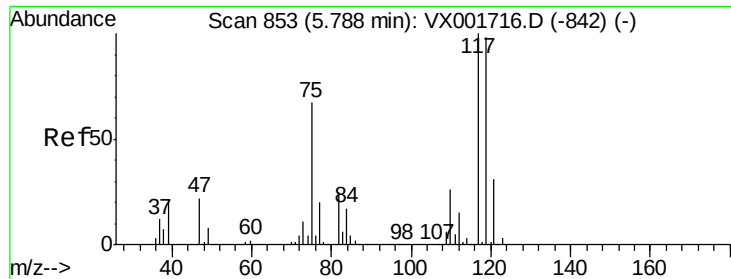
#35
 Dibromofluoromethane
 Concen: 47.43 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001904.D
 Acq: 22 May 2018 20:04

Tgt Ion:113 Resp: 129362
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 26.3 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





#38

Carbon Tetrachloride

Concen: 5.17 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

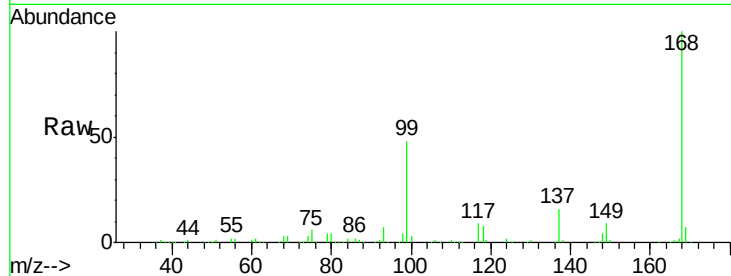
Lab File: VX001904.D

Acq: 22 May 2018 20:04

Instrument :

MSVOA_X

ClientSampled :



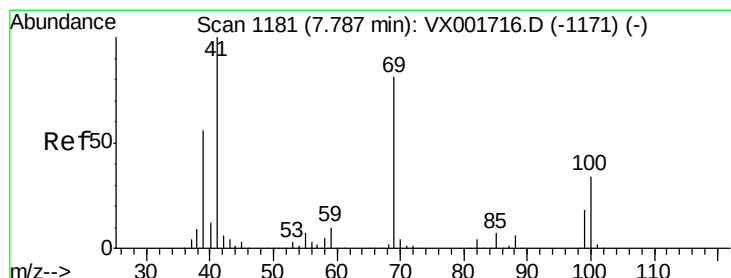
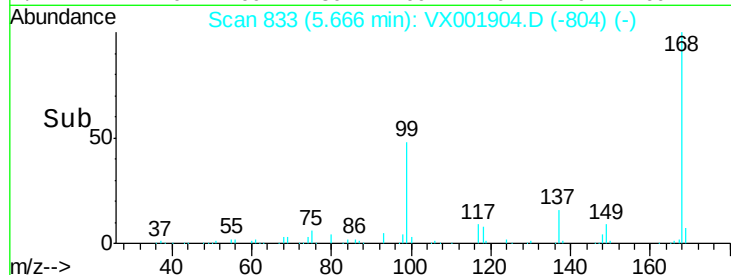
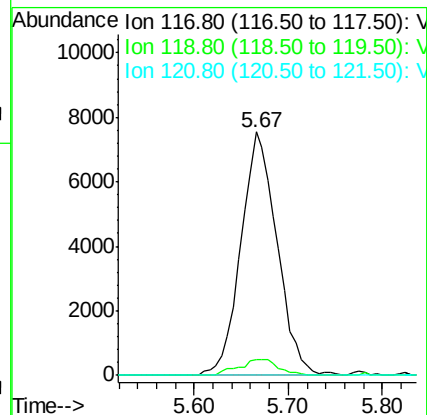
Tot Ion:117 Resp: 20168

Ion Ratio Lower Upper

117 100

119 6.6 77.6 116.4#

121 0.0 24.6 36.8#



#48

Methyl methacrylate

Concen: 0.83 ug/l

RT: 7.70 min Scan# 1166

Delta R.T. -0.09 min

Lab File: VX001904.D

Acq: 22 May 2018 20:04

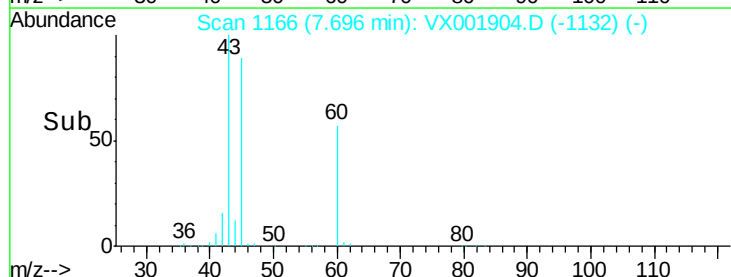
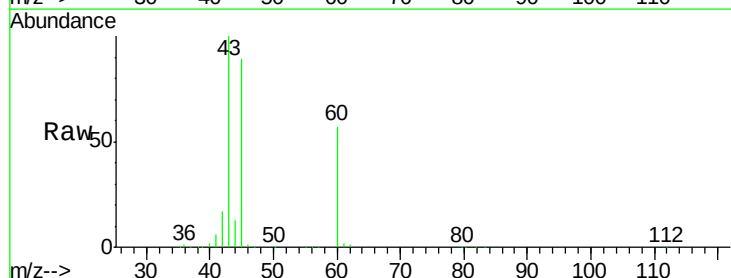
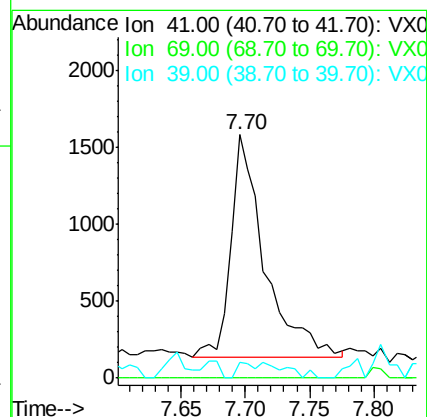
Tgt Ion: 41 Resp: 2667

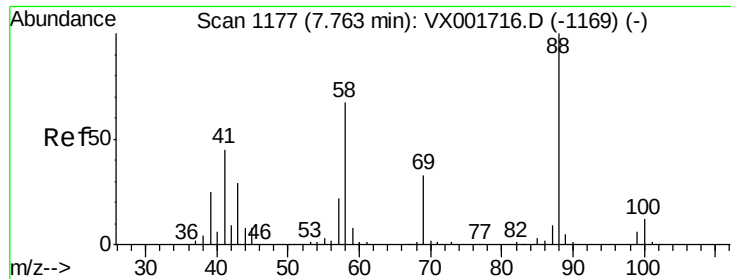
Ion Ratio Lower Upper

41 100

69 0.0 65.2 97.8#

39 3.5 44.5 66.7#

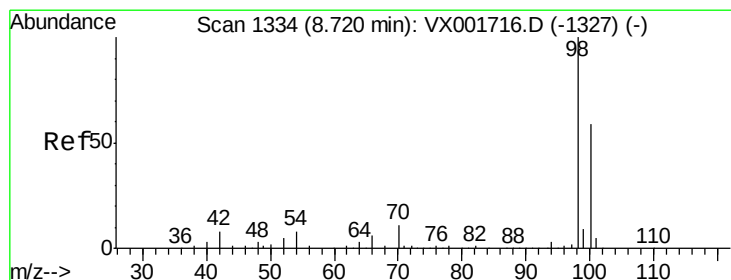
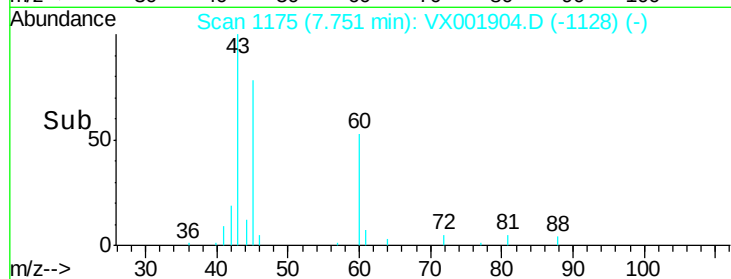
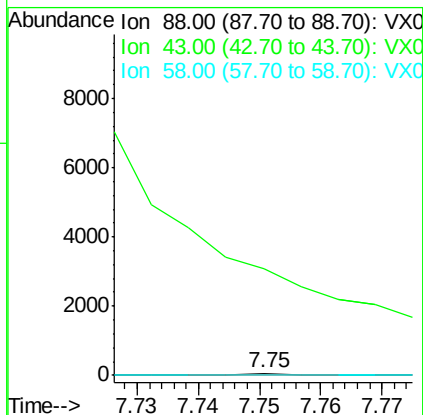
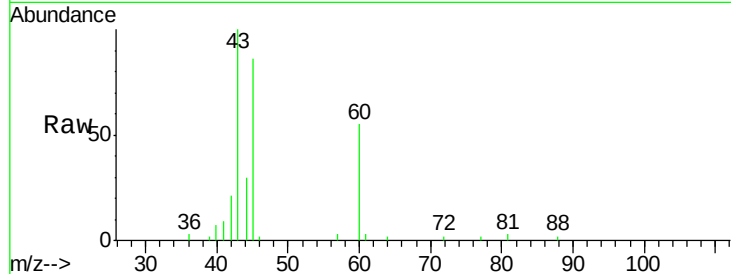




#49
1,4-Dioxane
Concen: 0.33 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

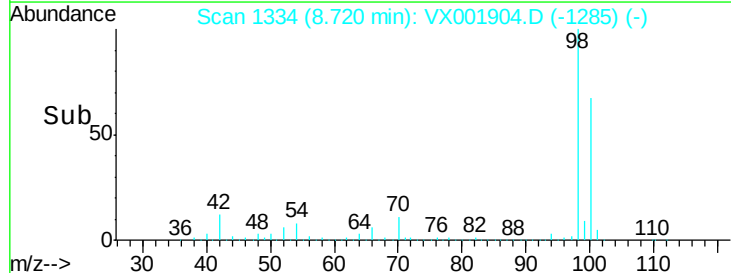
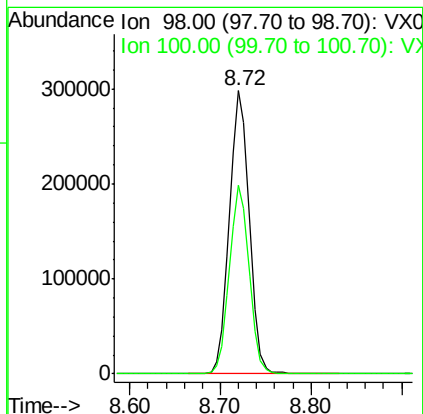
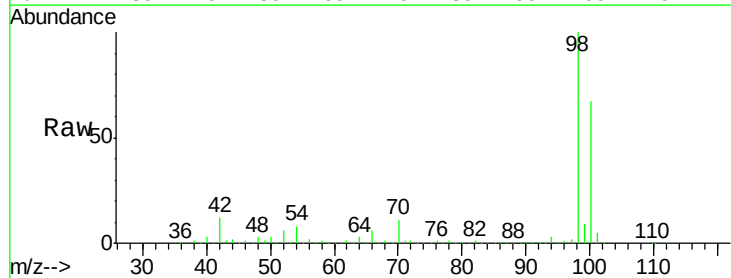
Instrument :
MSVOA_X
ClientSampleId :

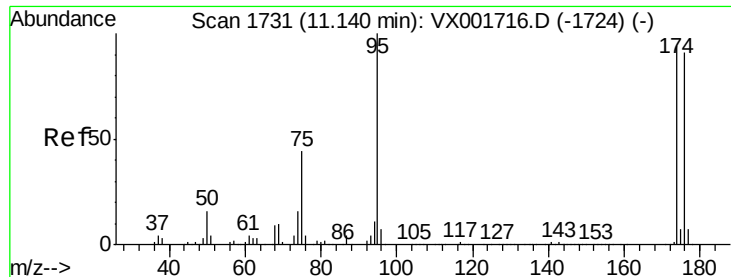
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.3	40.9#
58	0.0	55.9	83.9#



#50
Toluene-d8
Concen: 46.56 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	54.0	81.0

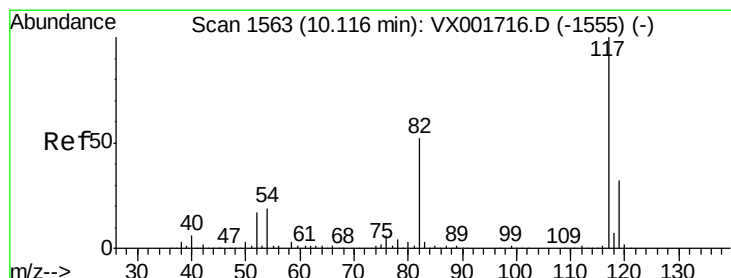
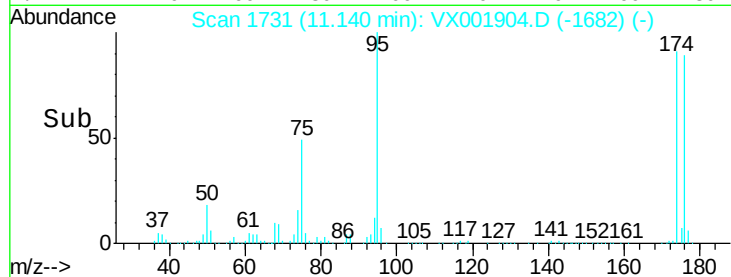
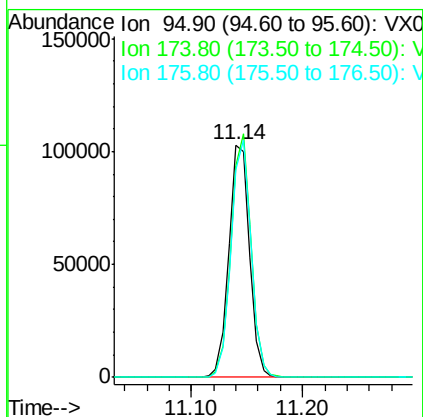
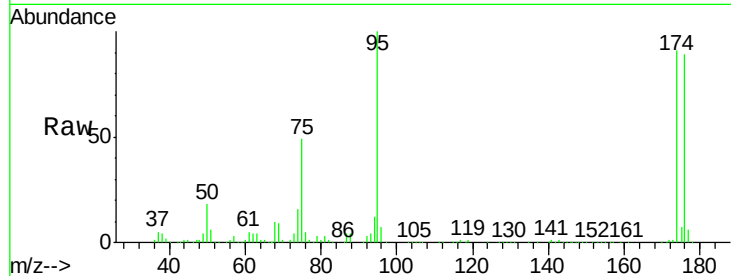




#62
4-Bromofluorobenzene
Concen: 37.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

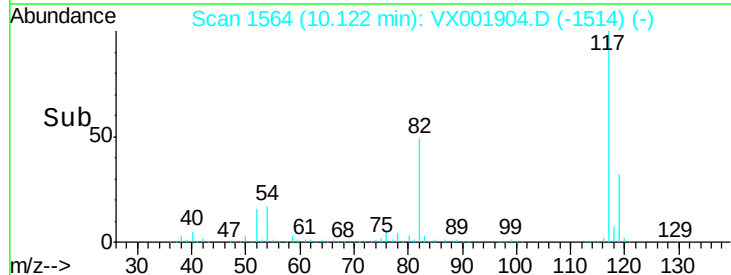
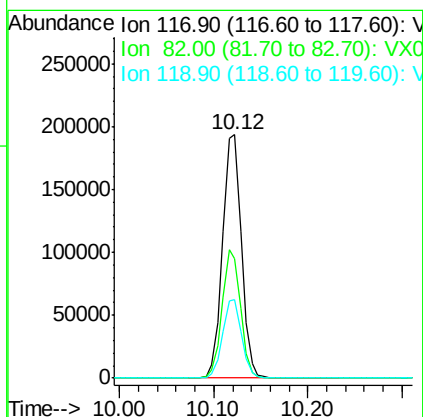
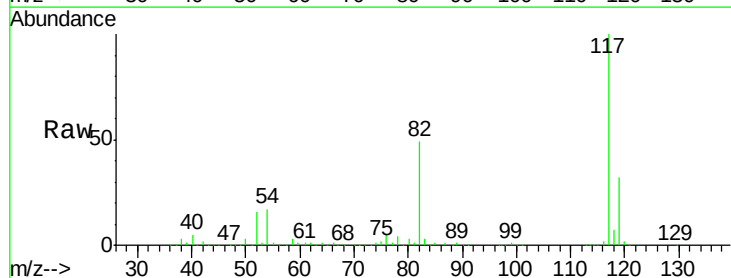
Instrument :
MSVOA_X
ClientSampleId :

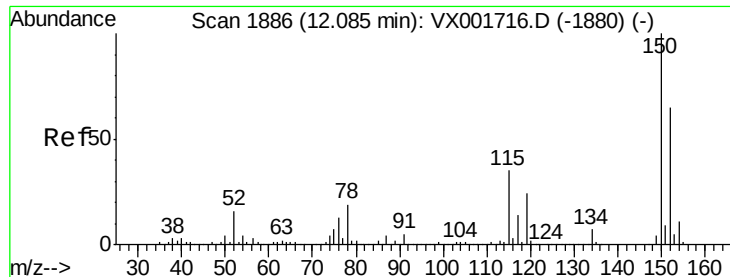
Tot Ion	95	Resp	132059
Ion Ratio	Lower	Upper	
95	100		
174	101.1	0.0	201.8
176	98.9	0.0	196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001904.D
Acq: 22 May 2018 20:04

Tgt Ion	117	Resp	268904
Ion Ratio	Lower	Upper	
117	100		
82	49.3	41.4	62.2
119	32.2	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: VX001904.D

Acq: 22 May 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

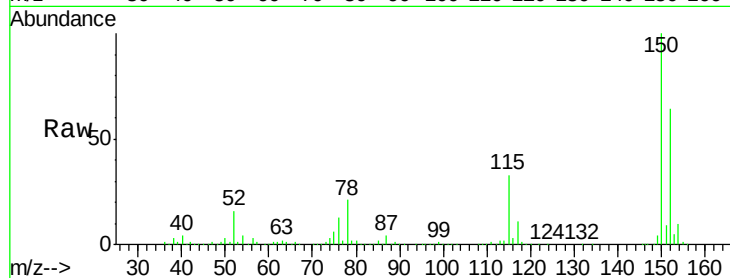
Tot Ion:152 Resp: 134327

Ion Ratio Lower Upper

152 100

115 53.0 37.4 112.2

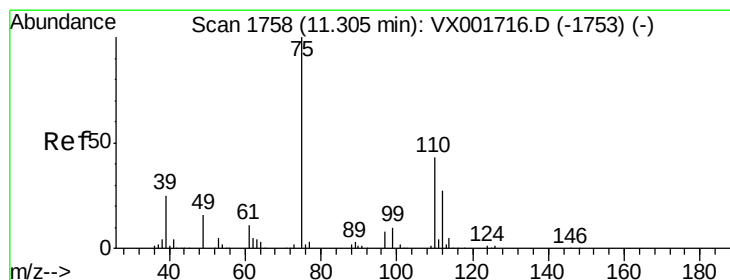
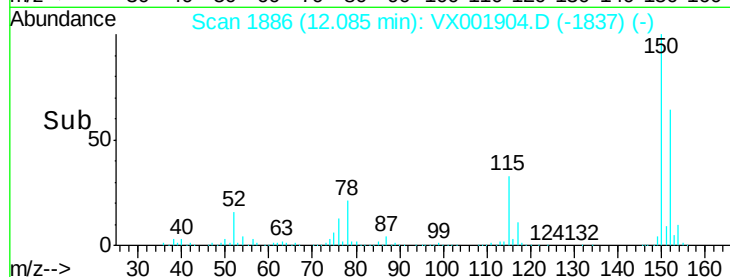
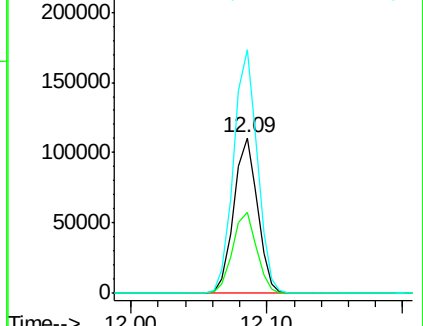
150 157.1 0.0 344.8



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: 24.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001904.D

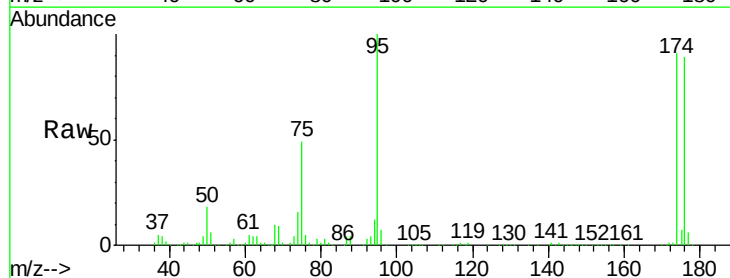
Acq: 22 May 2018 20:04

Tgt Ion: 75 Resp: 63141

Ion Ratio Lower Upper

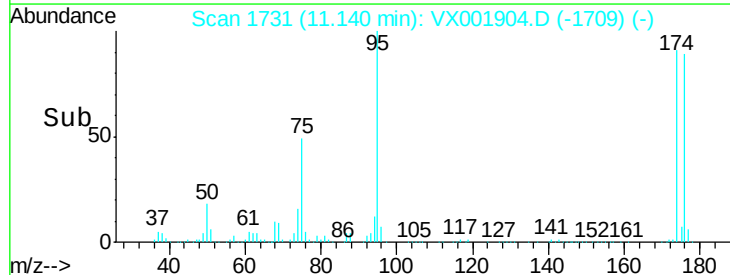
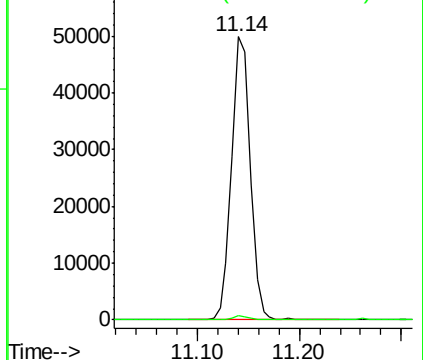
75 100

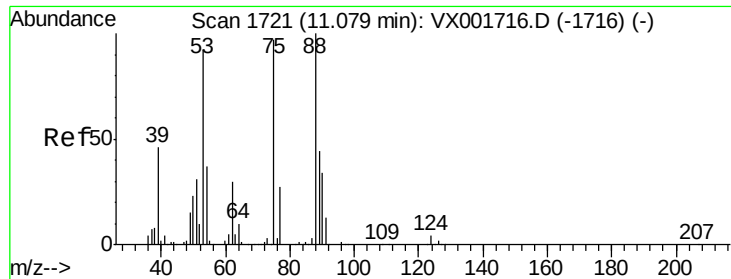
77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001904.D
 Acq: 22 May 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 63141
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.4 119.2#
 89 0.0 38.8 58.2#

