

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
 Data File : VX001431.D
 Acq On : 05 May 2018 21:02
 Operator : JC/MD
 Sample : J2706-05 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002

Quant Time: May 06 08:07:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167325	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162150	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	5.51	113	126732	42.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.30%	
50) Toluene-d8	8.72	98	457625	41.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.40%	
62) 4-Bromofluorobenzene	11.14	95	152812	36.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.54%	

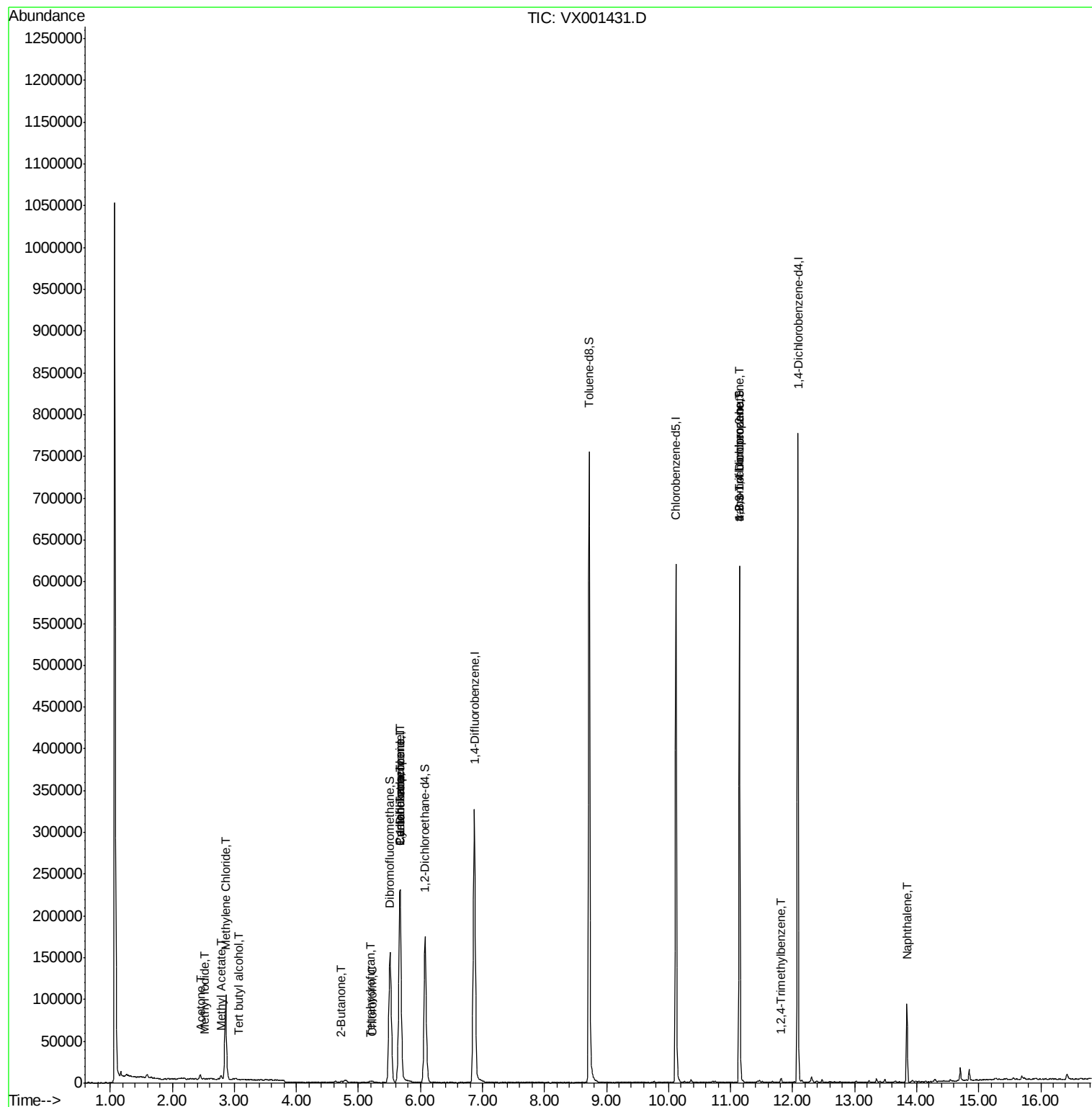
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1059	Below Cal	#	75
10) Methyl Iodide	2.51	142	944	0.22	ug/l #	69
11) Tert butyl alcohol	3.08	59	549	0.73	ug/l #	77
13) Acrolein	2.28	56	145	Below Cal	#	55
16) Acetone	2.45	43	5571	3.44	ug/l #	89
18) Methyl Acetate	2.78	43	5799	1.36	ug/l	97
20) Methylene Chloride	2.86	84	47641	14.84	ug/l	99
25) 2-Butanone	4.72	43	2351	1.00	ug/l	94
29) Tetrahydrofuran	5.19	42	785	0.52	ug/l #	69
30) Chloroform	5.23	83	1636	0.30	ug/l	95
31) Cyclohexane	5.67	56	4496	0.98	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	15413	3.58	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21389	4.66	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	79245	23.35	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	79245	72.36	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	2032	0.21	ug/l	92
95) Naphthalene	13.84	128	57524	4.64	ug/l	99

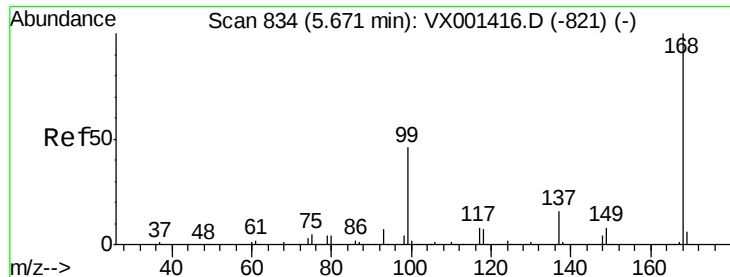
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001431.D
Acq On : 05 May 2018 21:02
Operator : JC/MD
Sample : J2706-05 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002

Quant Time: May 06 08:07:59 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
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: VX001431.D

Acq: 05 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

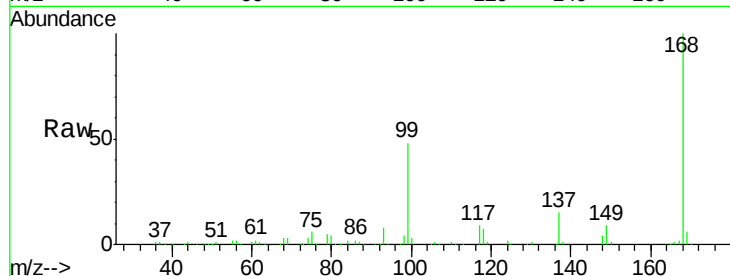
002

Tgt Ion:168 Resp: 248408

Ion Ratio Lower Upper

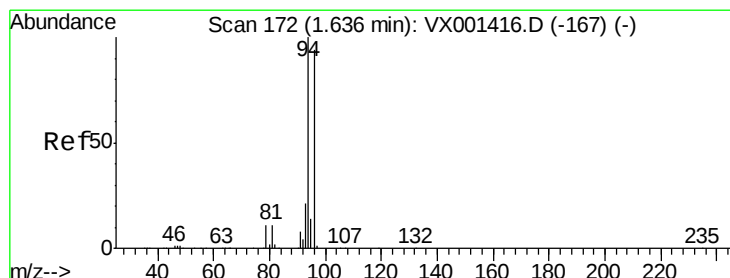
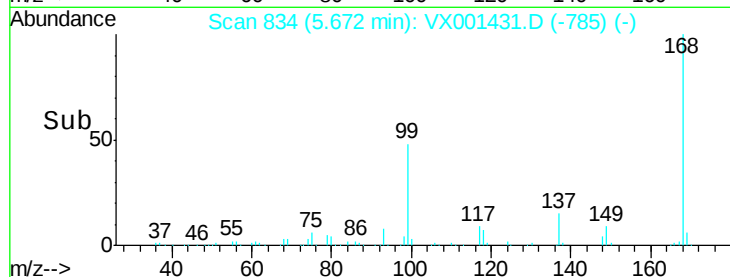
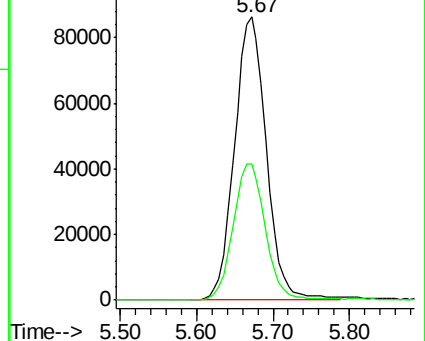
168 100

99 48.1 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001431.D

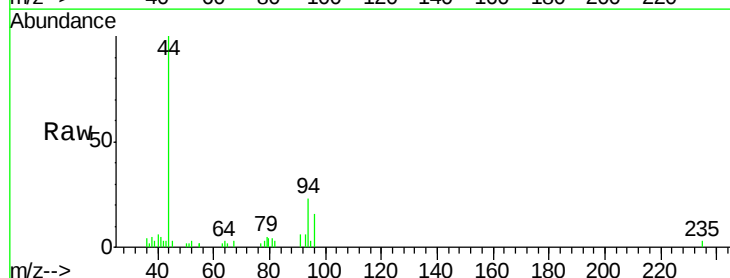
Acq: 05 May 2018 21:02

Tgt Ion: 94 Resp: 1059

Ion Ratio Lower Upper

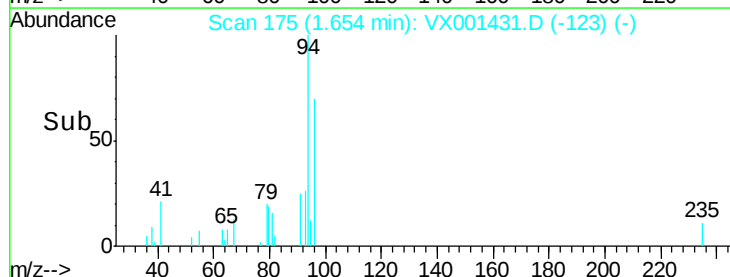
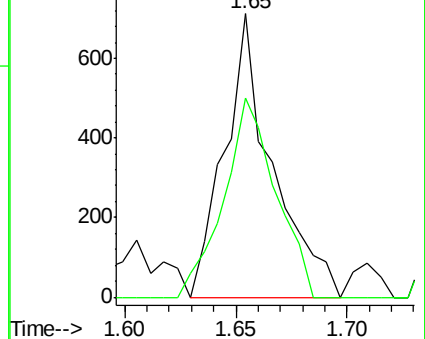
94 100

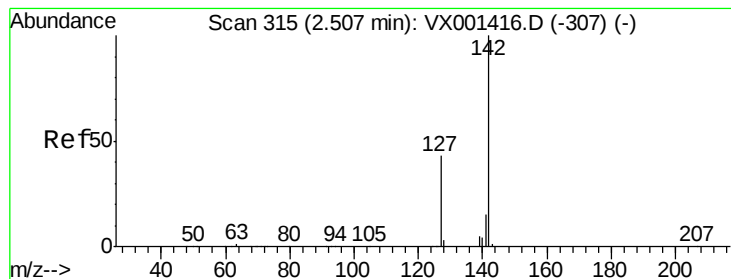
96 70.1 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001431.D

Acq: 05 May 2018 21:02

Instrument :

MSVOA_X

ClientSampled :

002

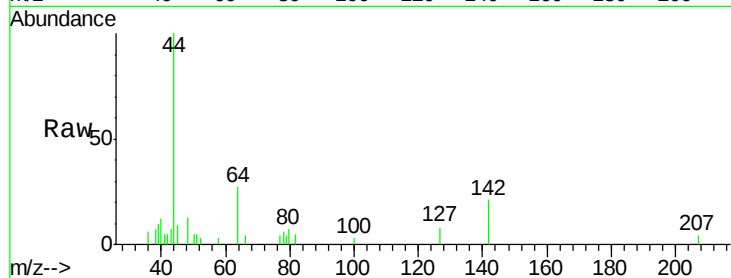
Tgt Ion: 142 Resp: 944

Ion Ratio Lower Upper

142 100

127 21.8 33.6 50.4#

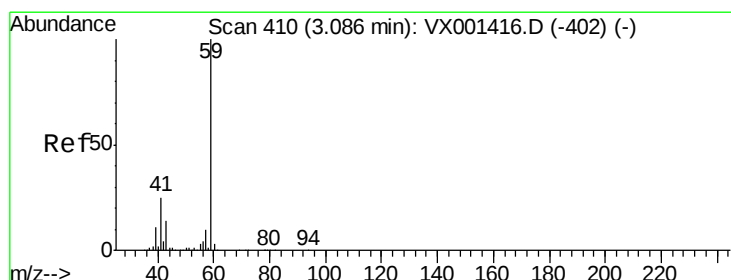
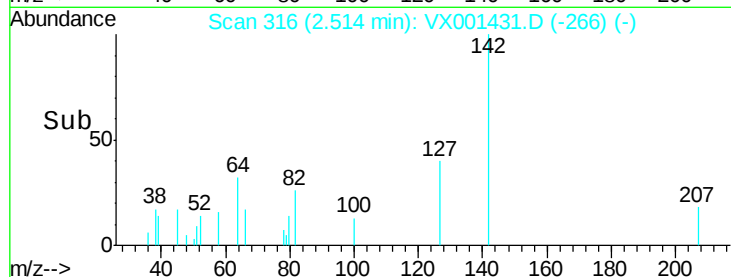
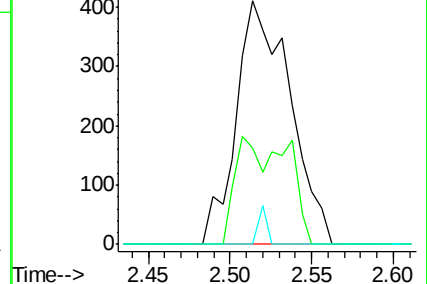
141 2.5 11.4 17.2#



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: 0.73 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX001431.D

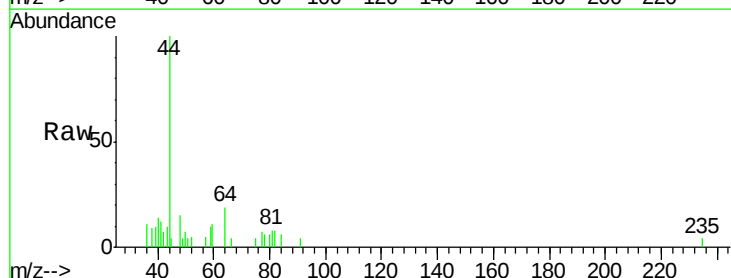
Acq: 05 May 2018 21:02

Tgt Ion: 59 Resp: 549

Ion Ratio Lower Upper

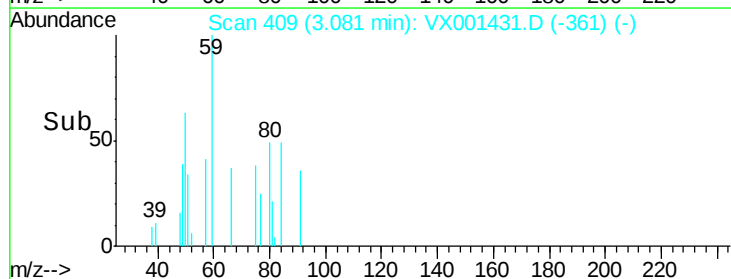
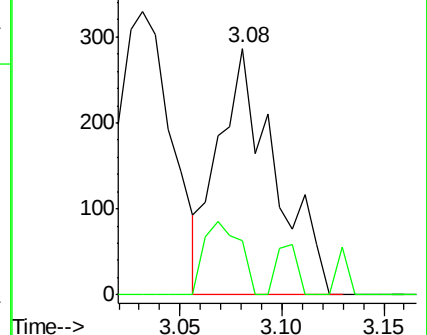
59 100

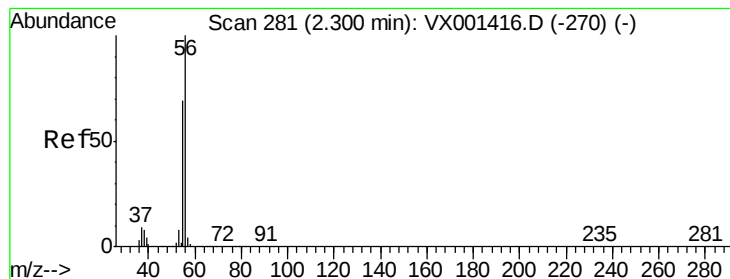
57 18.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX001431.D

Acq: 05 May 2018 21:02

Instrument :

MSVOA_X

ClientSampled :

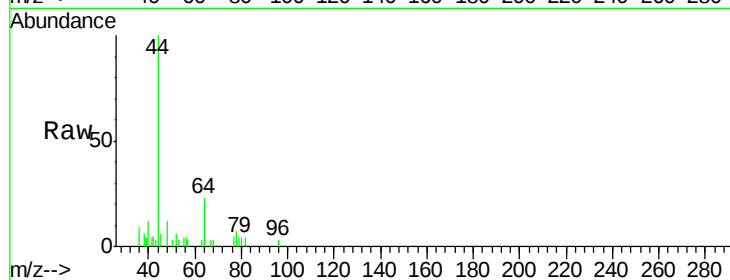
002

Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

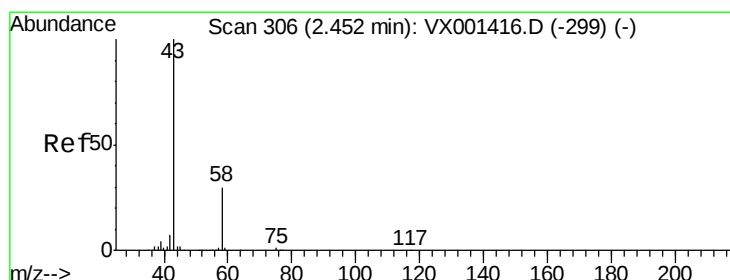
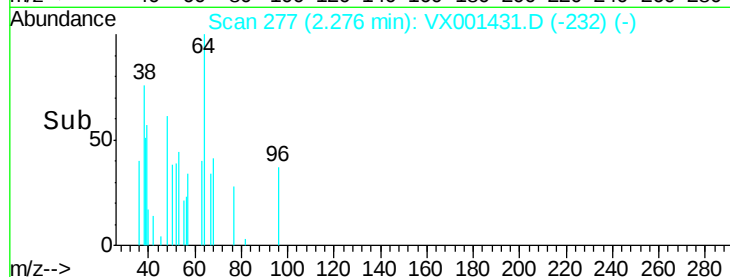
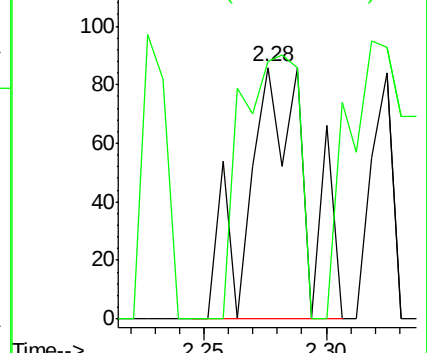
56 100

55 104.1 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.44 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001431.D

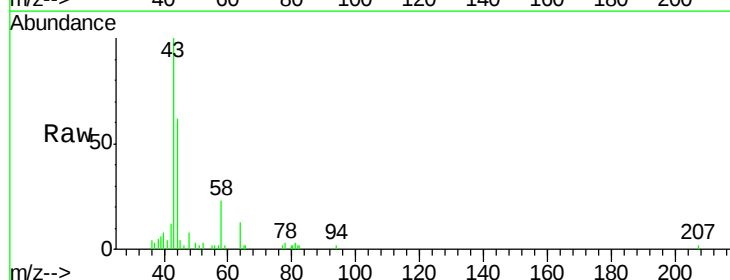
Acq: 05 May 2018 21:02

Tgt Ion: 43 Resp: 5571

Ion Ratio Lower Upper

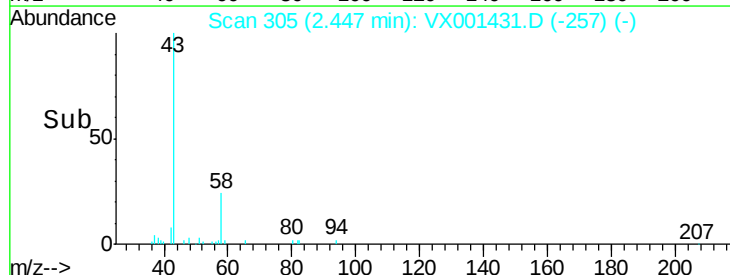
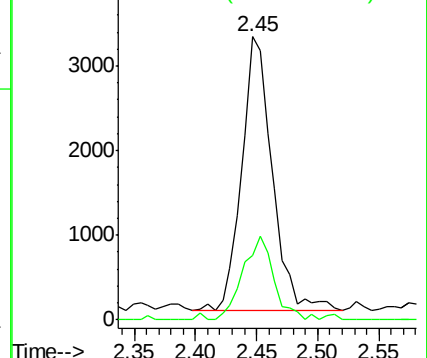
43 100

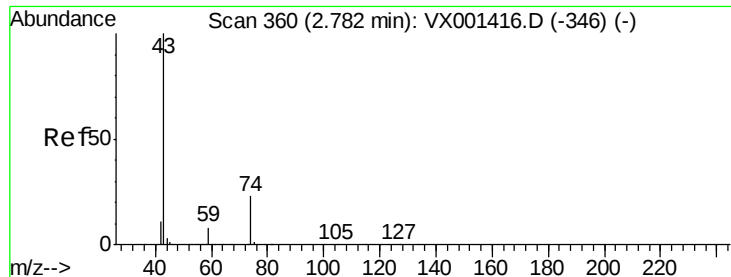
58 23.7 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

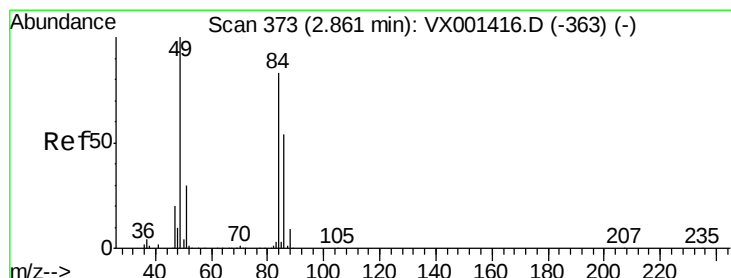
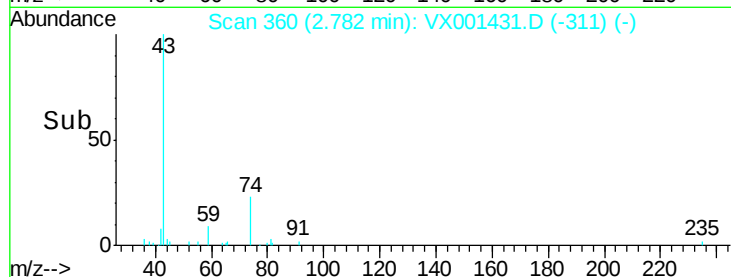
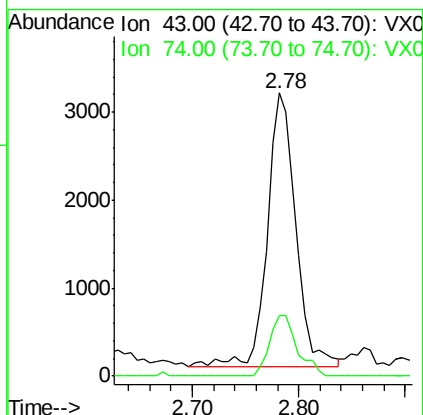
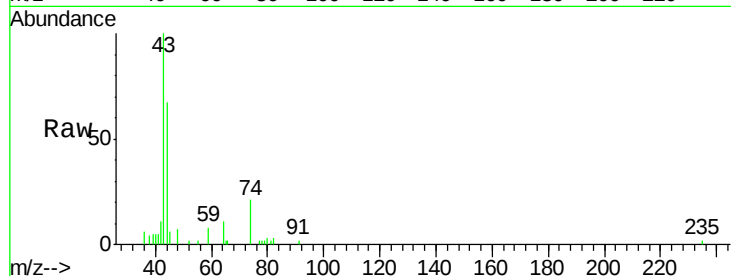




#18
Methyl Acetate
Concen: 1.36 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

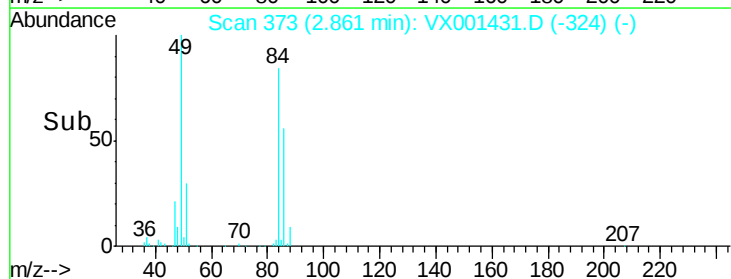
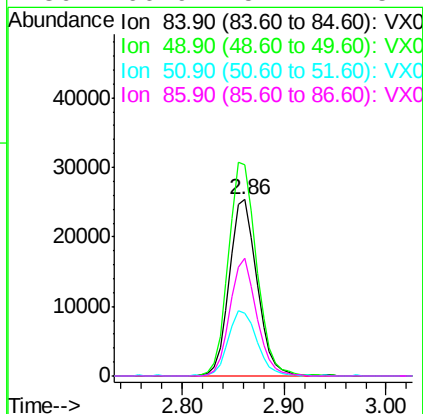
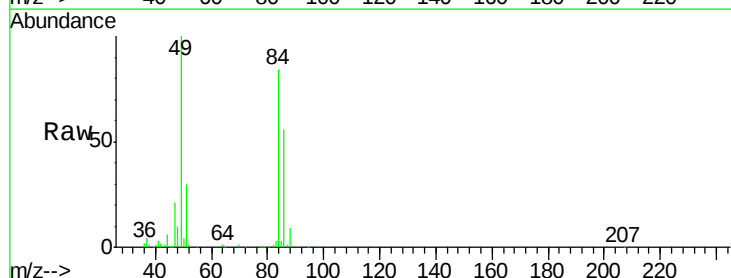
Instrument :
MSVOA_X
ClientSampleId :
002

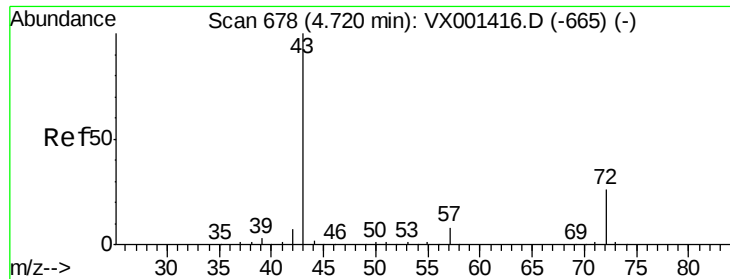
Tgt Ion: 43 Resp: 5799
Ion Ratio Lower Upper
43 100
74 21.6 18.6 27.8



#20
Methylene Chloride
Concen: 14.84 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

Tgt Ion: 84 Resp: 47641
Ion Ratio Lower Upper
84 100
49 119.5 96.6 144.8
51 35.4 29.0 43.4
86 66.9 52.2 78.4





#25

2-Butanone

Concen: 1.00 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001431.D

Acq: 05 May 2018 21:02

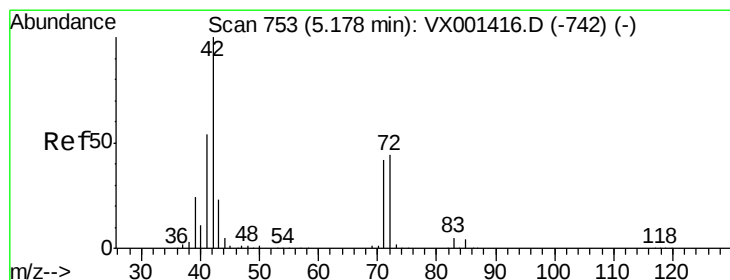
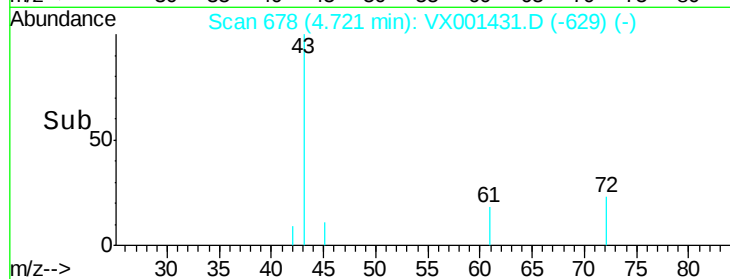
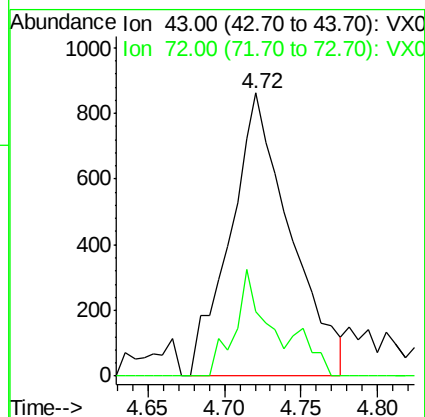
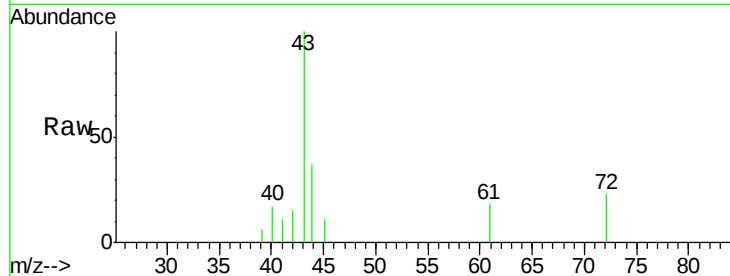
Instrument :
MSVOA_X
ClientSampleId :
002

Tgt Ion: 43 Resp: 2351

Ion Ratio Lower Upper

43 100

72 22.7 20.7 31.1



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001431.D

Acq: 05 May 2018 21:02

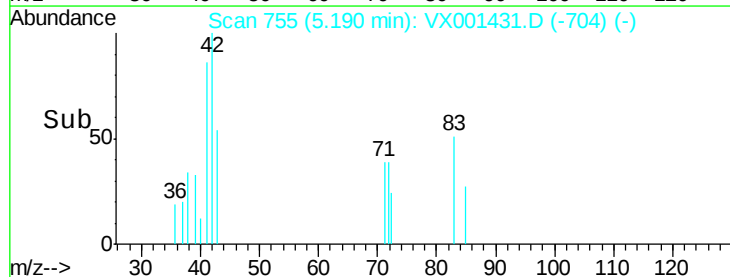
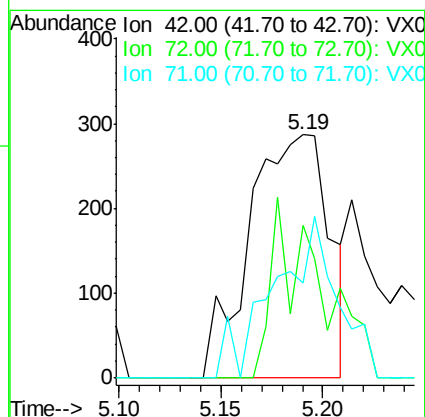
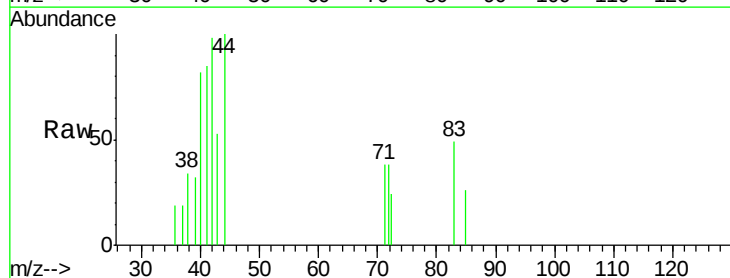
Tgt Ion: 42 Resp: 785

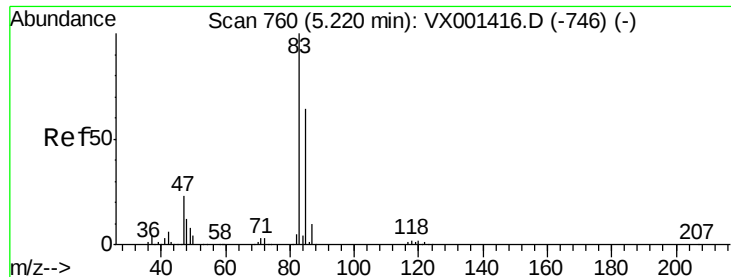
Ion Ratio Lower Upper

42 100

72 16.2 35.4 53.2#

71 52.5 33.0 49.4#

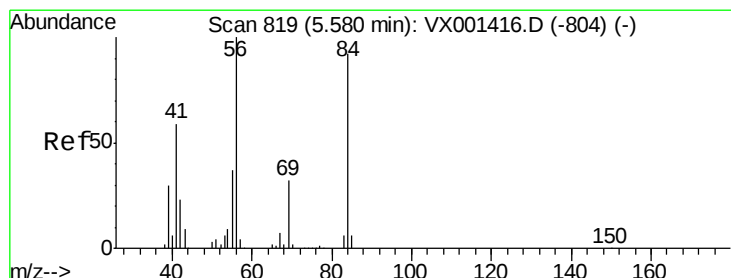
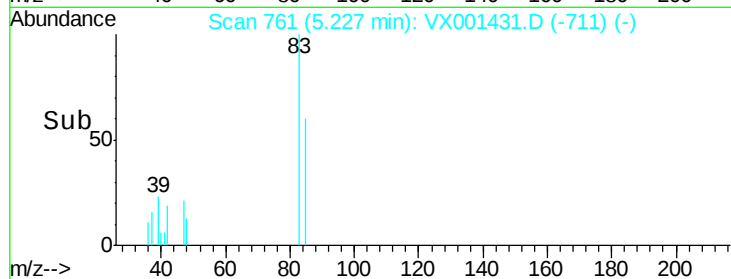
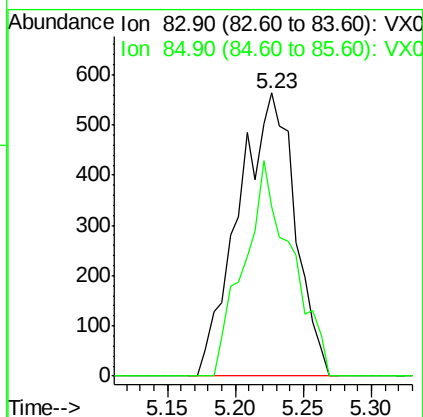
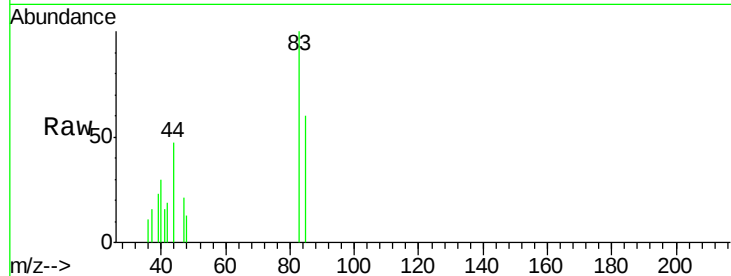




#30
Chloroform
Concen: 0.30 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

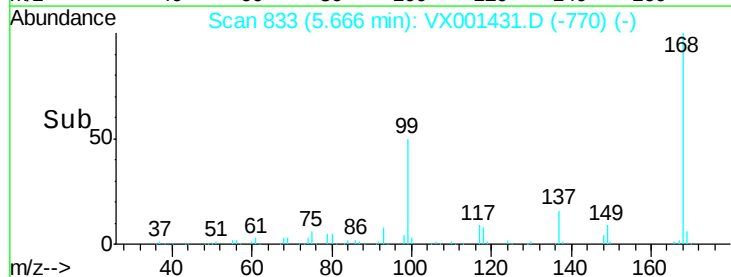
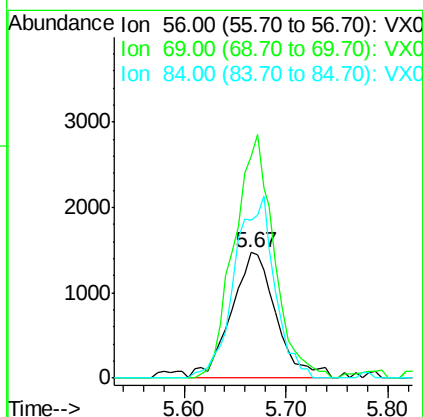
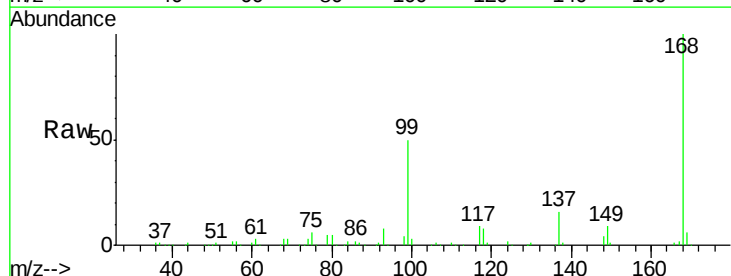
Instrument :
MSVOA_X
ClientSampleId :
002

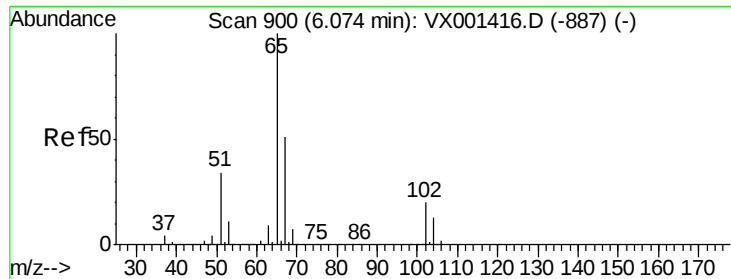
Tgt Ion: 83 Resp: 1636
Ion Ratio Lower Upper
83 100
85 59.9 51.0 76.4



#31
Cyclohexane
Concen: 0.98 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

Tgt Ion: 56 Resp: 4496
Ion Ratio Lower Upper
56 100
69 176.7 25.4 38.0#
84 126.3 73.8 110.8#

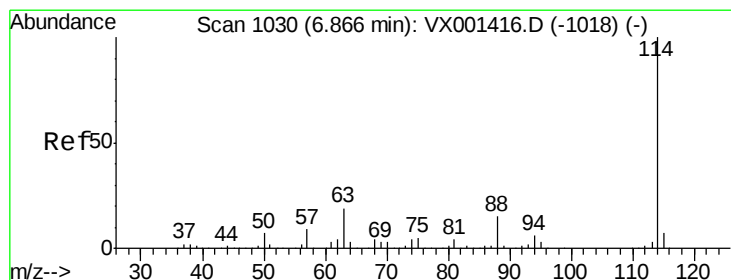
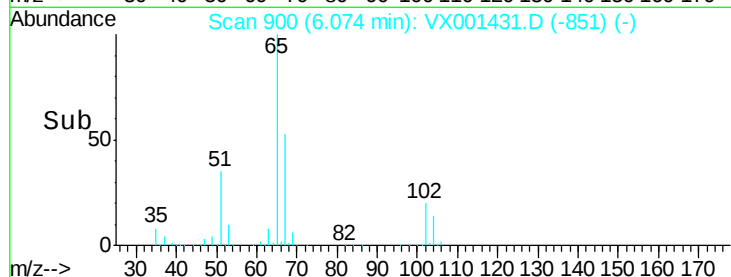
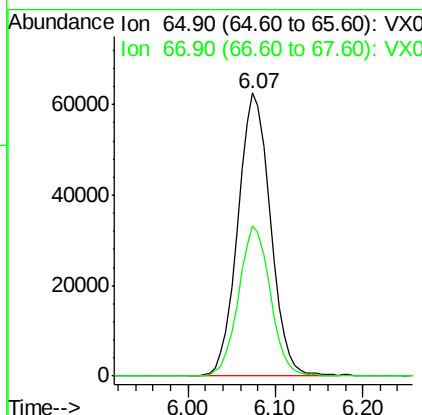
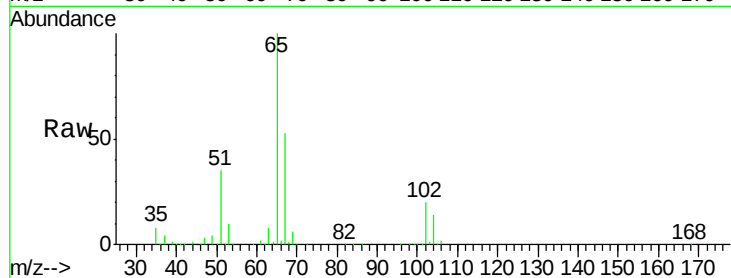




#33
 1,2-Dichloroethane-d4
 Concen: 45.41 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001431.D
 Acq: 05 May 2018 21:02

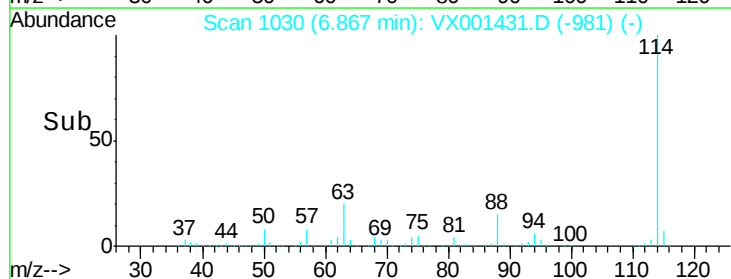
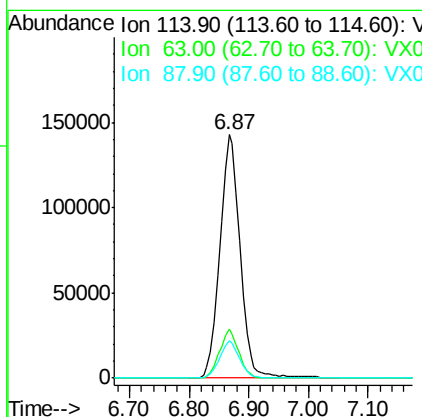
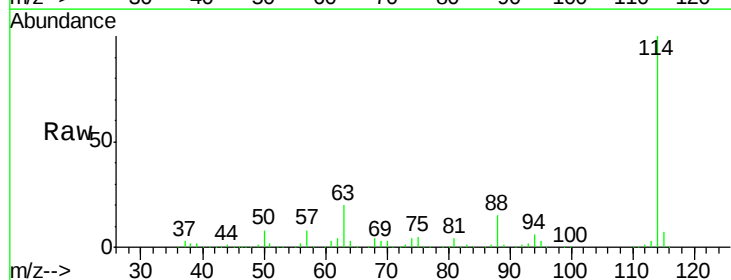
Instrument :
 MSVOA_X
 ClientSampleId :
 002

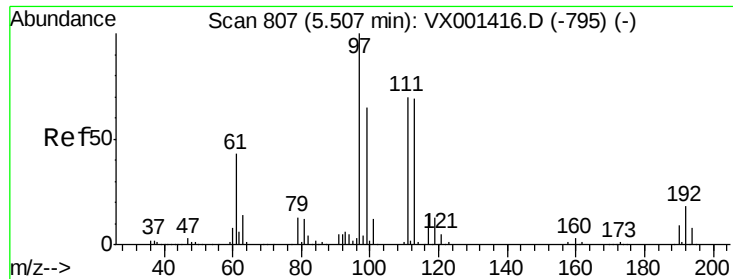
Tgt Ion: 65 Resp: 162150
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001431.D
 Acq: 05 May 2018 21:02

Tgt Ion: 114 Resp: 338021
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.4 0.0 30.8

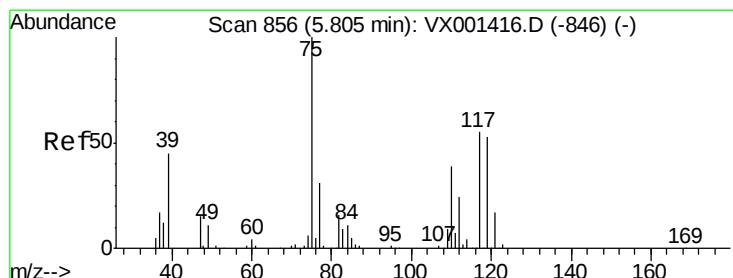
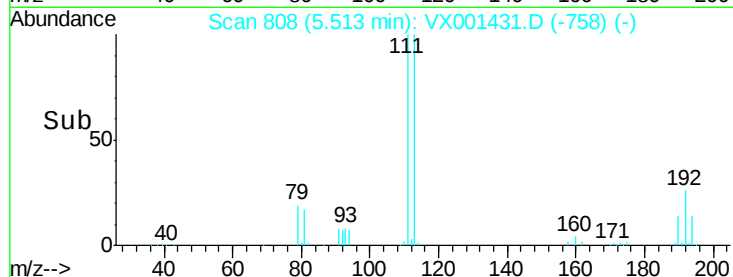
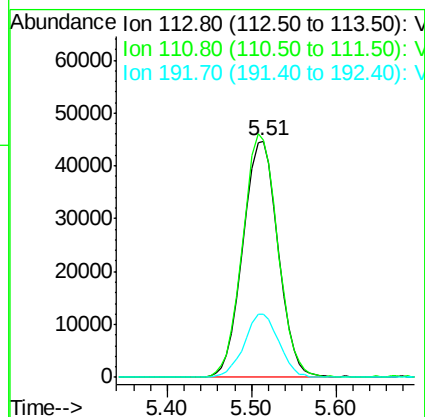
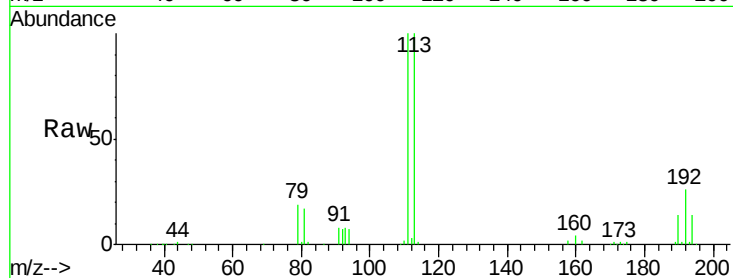




#35
 Dibromofluoromethane
 Concen: 42.15 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001431.D
 Acq: 05 May 2018 21:02

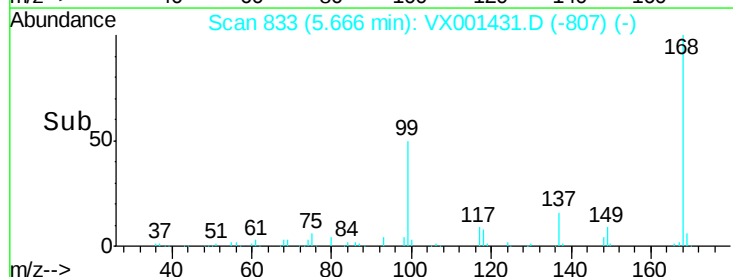
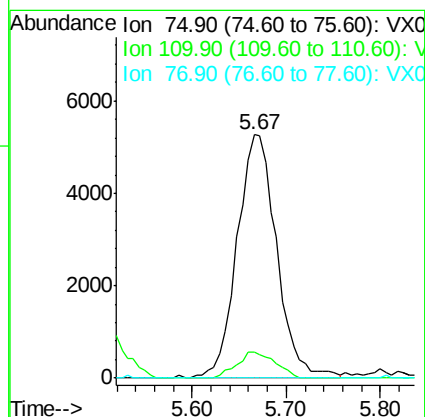
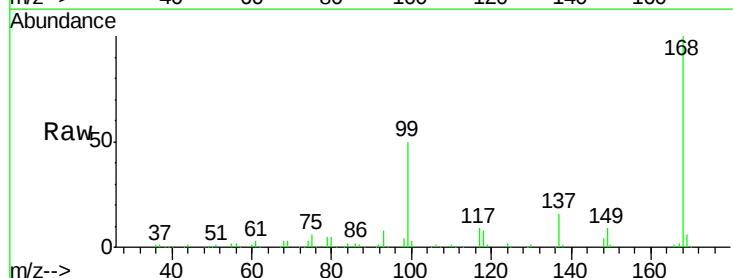
Instrument :
 MSVOA_X
 ClientSampleId :
 002

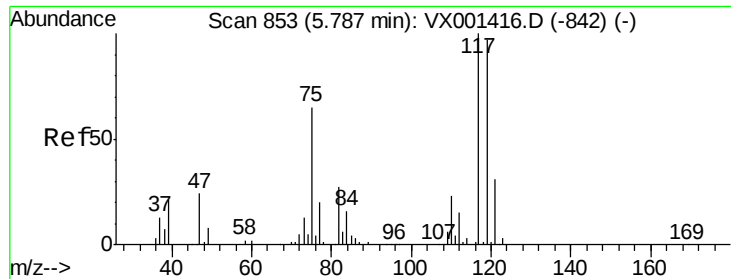
Tgt Ion:113 Resp: 126732
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 26.4 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.58 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001431.D
 Acq: 05 May 2018 21:02

Tgt Ion: 75 Resp: 15413
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.9 56.7#
 77 0.0 24.9 37.3#

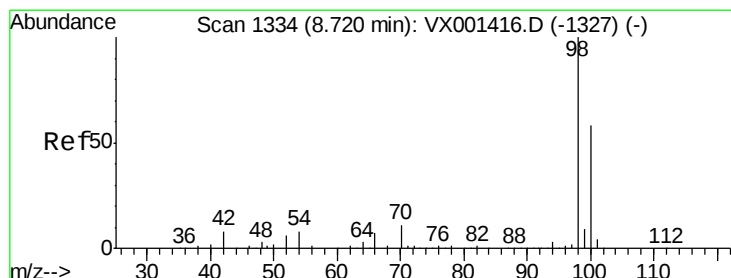
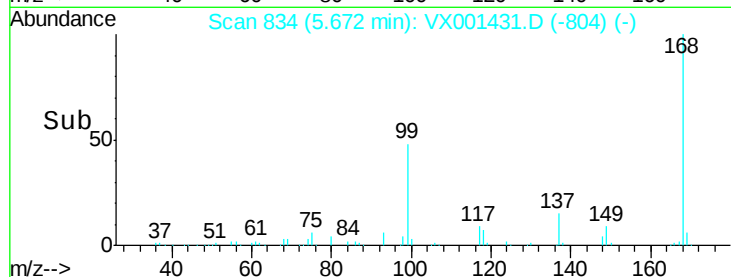
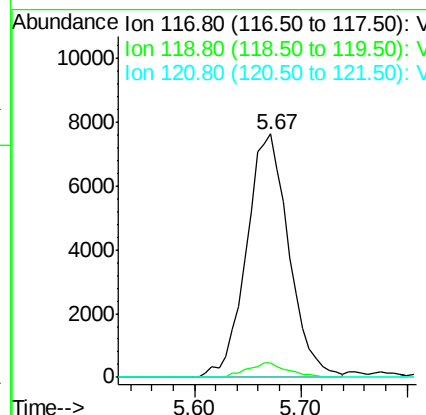
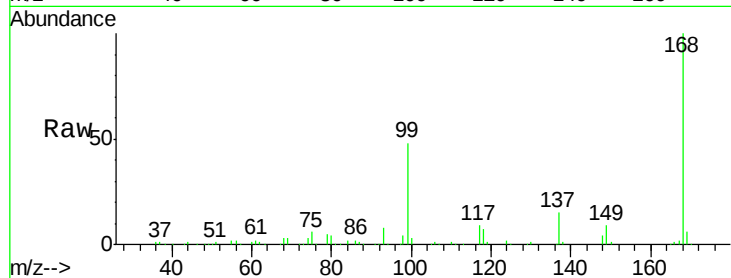




#38
Carbon Tetrachloride
Concen: 4.66 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

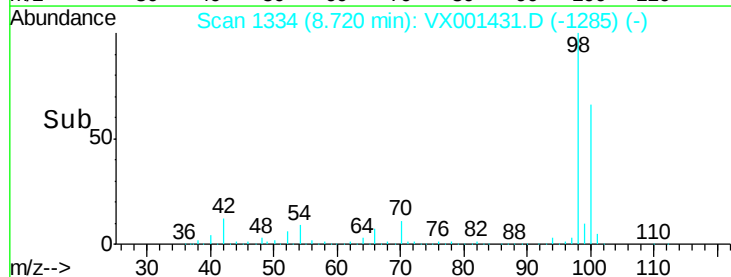
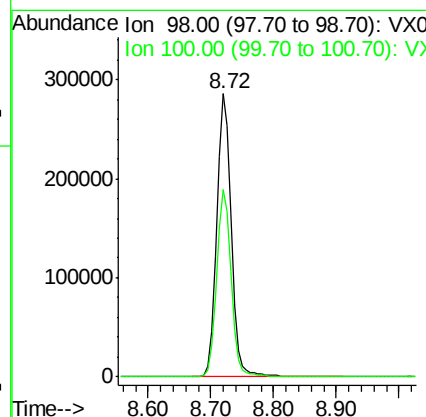
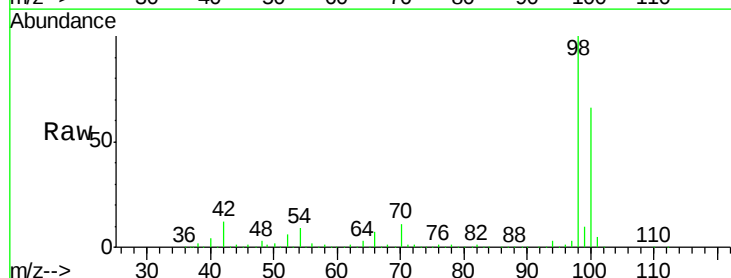
Instrument :
MSVOA_X
ClientSampled :
002

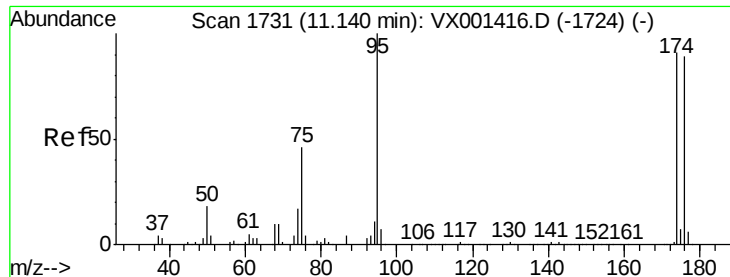
Tgt Ion: 117 Resp: 21389
Ion Ratio Lower Upper
117 100
119 6.0 77.0 115.6#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 41.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

Tgt Ion: 98 Resp: 457625
Ion Ratio Lower Upper
98 100
100 66.0 54.0 81.0

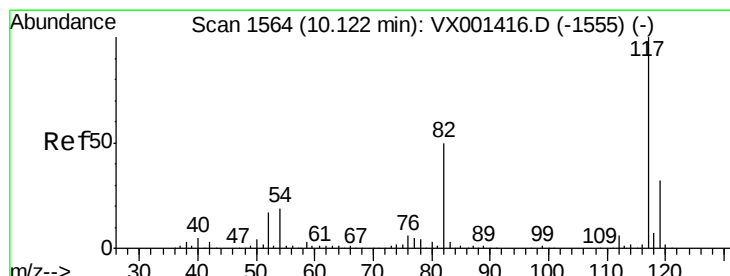
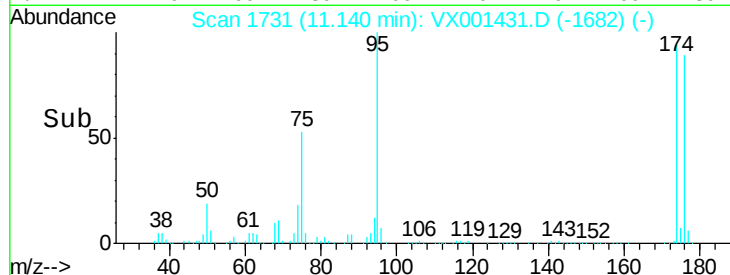
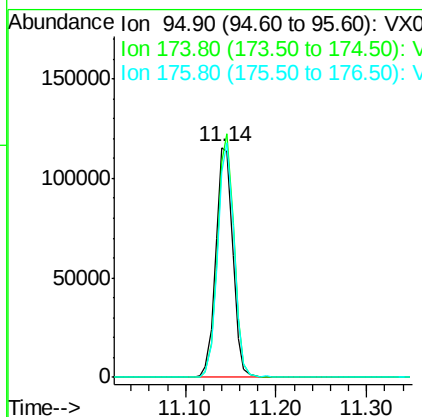
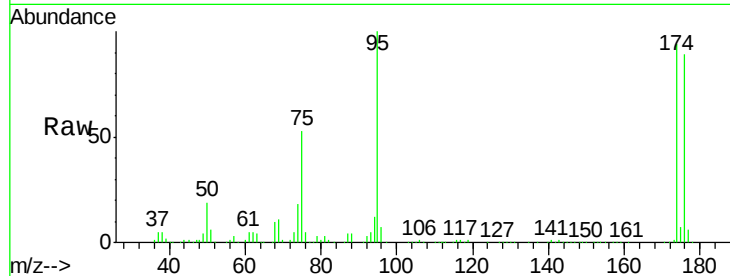




#62
4-Bromofluorobenzene
Concen: 36.27 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

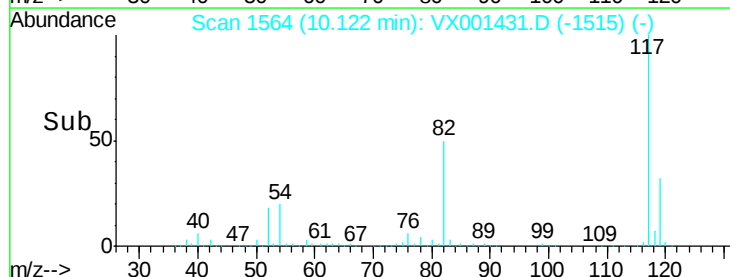
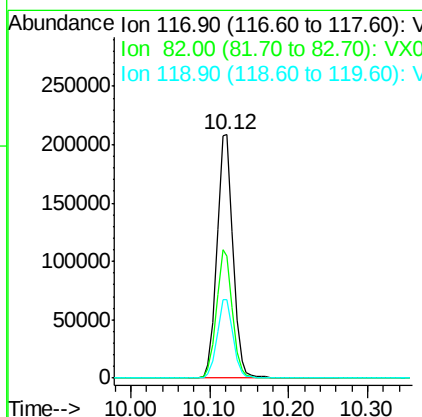
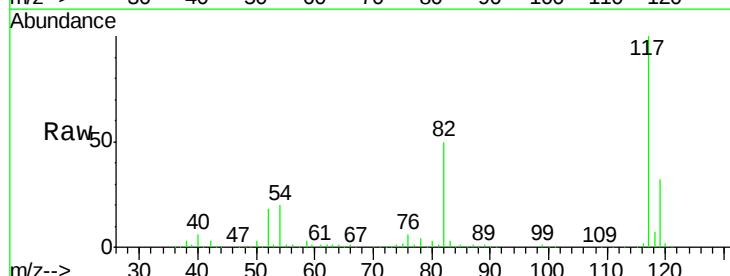
Instrument :
MSVOA_X
ClientSampleId :
002

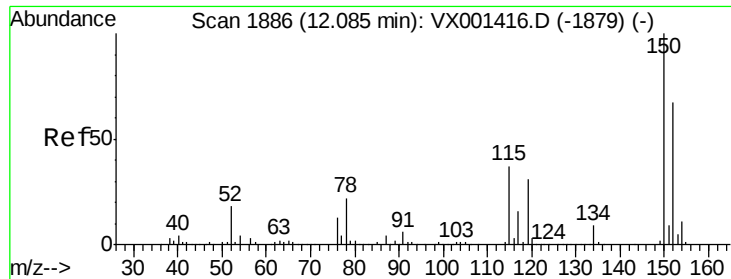
Tgt Ion: 95 Resp: 152812
Ion Ratio Lower Upper
95 100
174 101.9 0.0 202.0
176 98.6 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001431.D
Acq: 05 May 2018 21:02

Tgt Ion: 117 Resp: 296310
Ion Ratio Lower Upper
117 100
82 50.0 40.0 60.0
119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001431.D

Acq: 05 May 2018 21:02

Instrument :

MSVOA_X

ClientSampled :

002

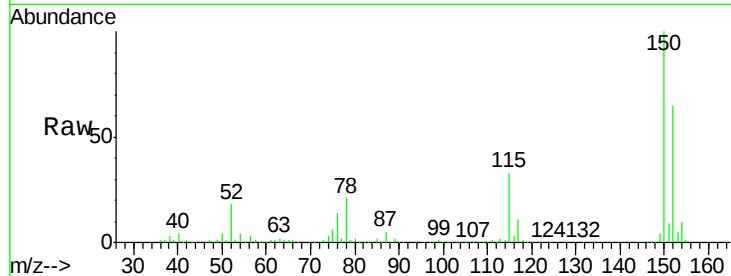
Tgt Ion:152 Resp: 167325

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

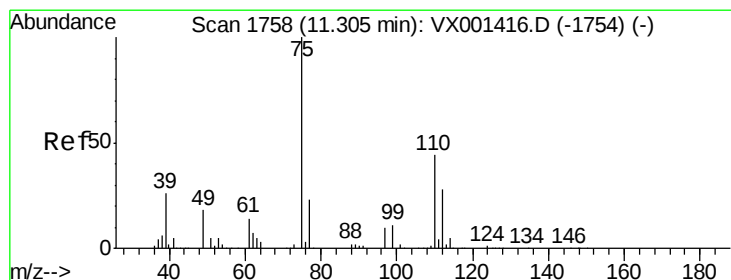
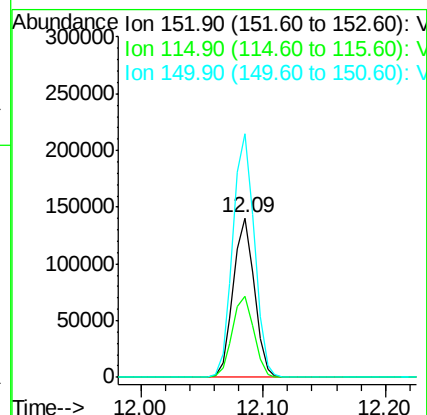
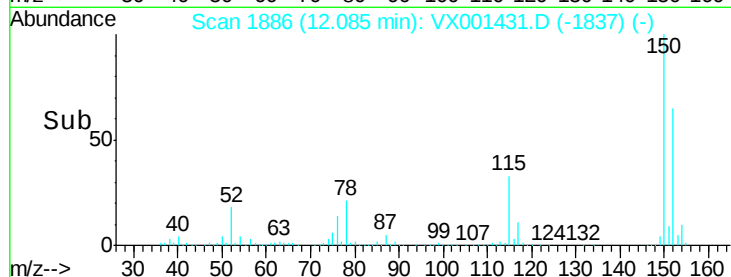
150 156.3 0.0 349.4



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: 23.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001431.D

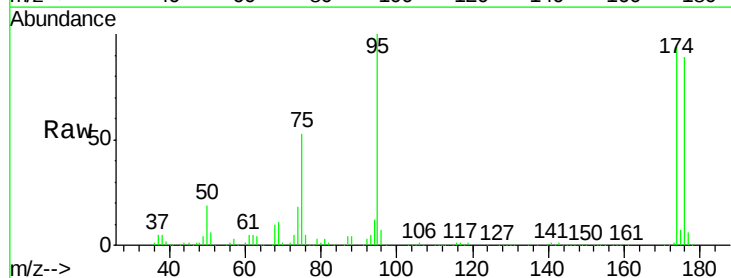
Acq: 05 May 2018 21:02

Tgt Ion: 75 Resp: 79245

Ion Ratio Lower Upper

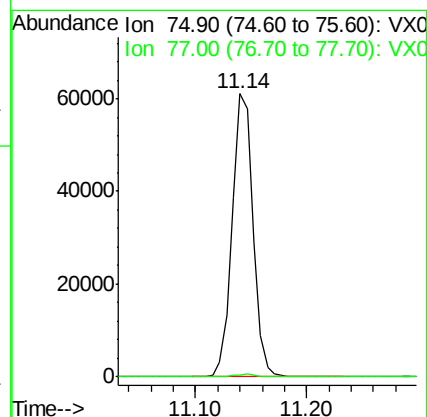
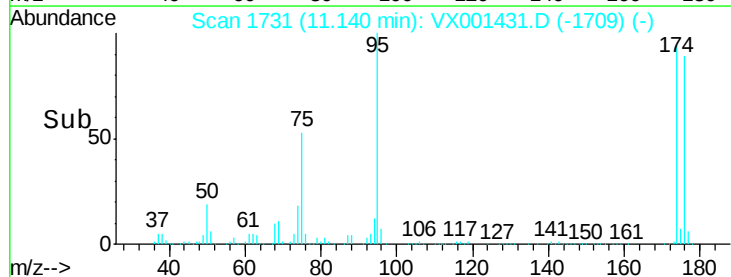
75 100

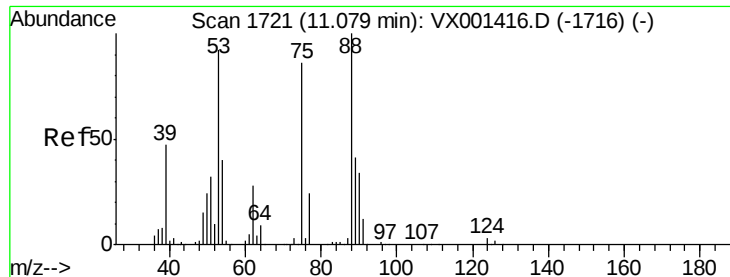
77 1.1 19.6 58.7#



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: 72.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001431.D

Acq: 05 May 2018 21:02

Instrument :

MSVOA_X

ClientSampled :

002

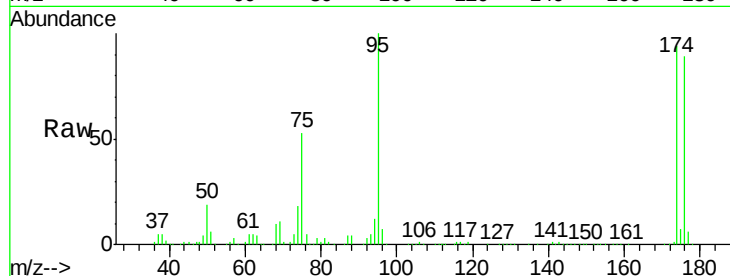
Tgt Ion: 75 Resp: 79245

Ion Ratio Lower Upper

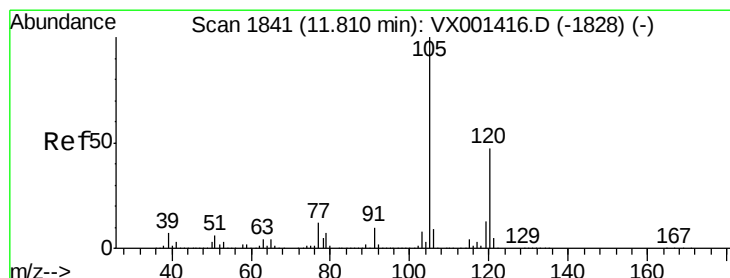
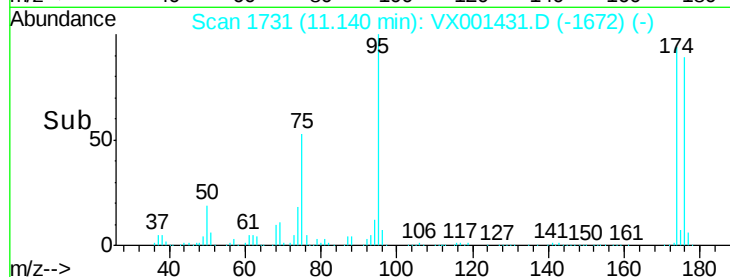
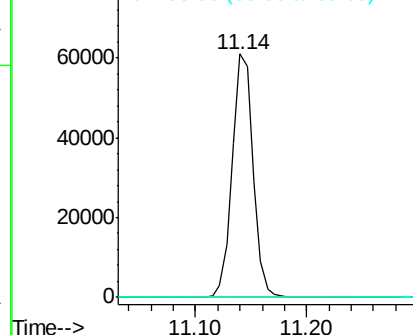
75 100

53 0.0 84.5 126.7#

89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.21 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001431.D

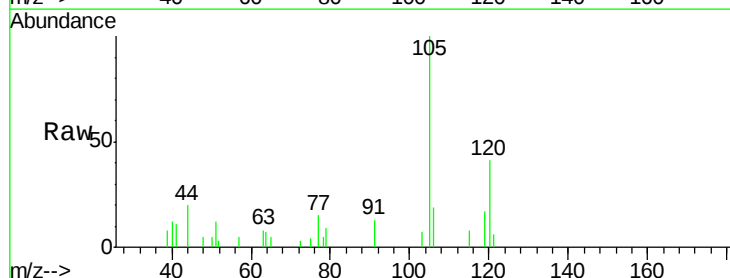
Acq: 05 May 2018 21:02

Tgt Ion: 105 Resp: 2032

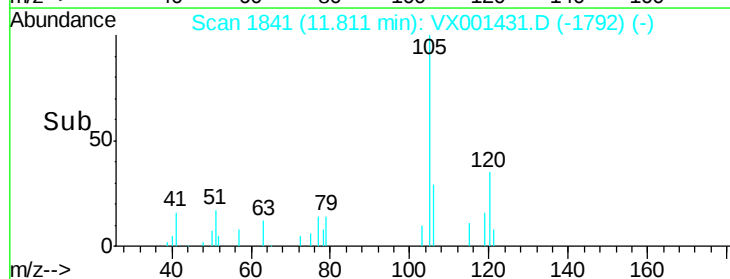
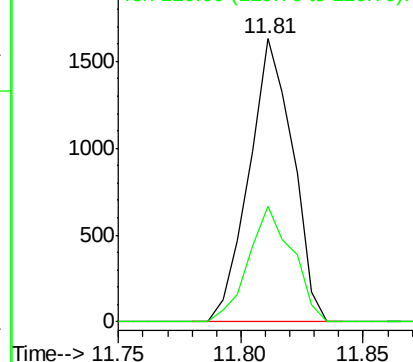
Ion Ratio Lower Upper

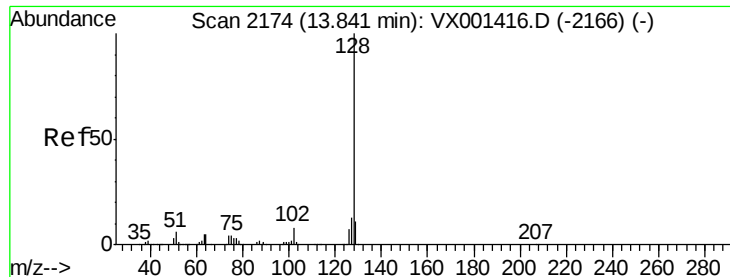
105 100

120 41.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 4.64 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001431.D

Acq: 05 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

002

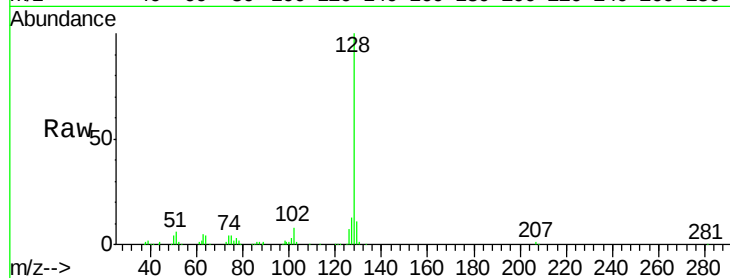
Tgt Ion:128 Resp: 57524

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

