

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004131.D
 Acq On : 17 Aug 2018 14:49
 Operator : JC/MD
 Sample : J4522-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 01:32:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	420385	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	386703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216687	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	197022	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	5.51	113	167356	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	8.72	98	591634	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
62) 4-Bromofluorobenzene	11.14	95	202004	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

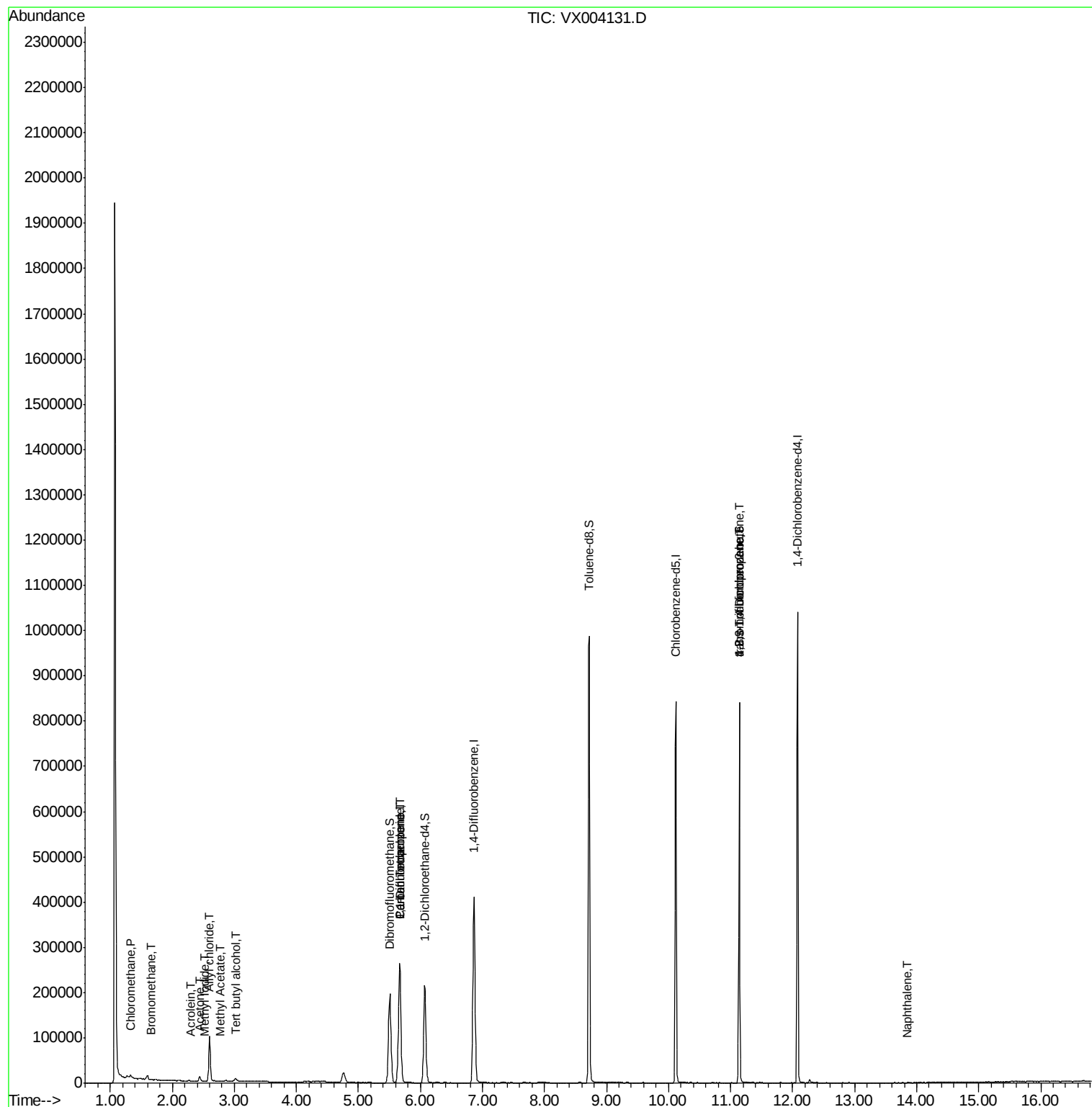
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	6765	2.15	ug/l	# 88
5) Bromomethane	1.65	94	962	0.38	ug/l	# 89
6) Chloroethane	1.73	64	255	Below Cal	#	42
10) Methyl Iodide	2.51	142	580	5.17	ug/l	# 83
11) Tert butyl alcohol	3.02	59	3742	5.01	ug/l	# 85
13) Acrolein	2.29	56	75	11.09	ug/l	# 15
14) Allyl chloride	2.60	41	9716	1.84	ug/l	# 63
16) Acetone	2.44	43	10622	5.51	ug/l	# 95
18) Methyl Acetate	2.78	43	1224	0.29	ug/l	# 85
20) Methylene Chloride	2.86	84	1014	Below Cal	#	92
36) 1,1-Dichloropropene	5.67	75	18172	3.80	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23423	5.04	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	98306	22.62	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	98306	70.03	ug/l	# 9
95) Naphthalene	13.84	128	238	1.16	ug/l	# 69

(#) = 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# 833

Delta R.T. -0.00 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

Instrument :

MSVOA_X

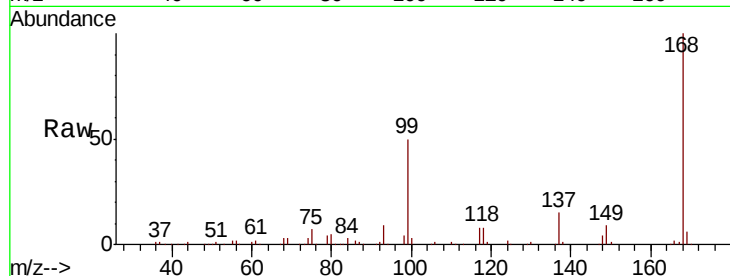
ClientSampleId :

Tot Ion:168 Resp: 263295

Ion Ratio Lower Upper

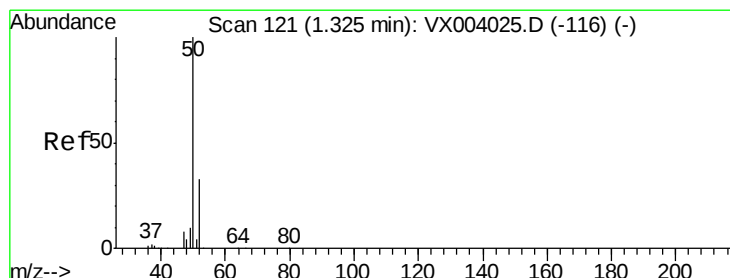
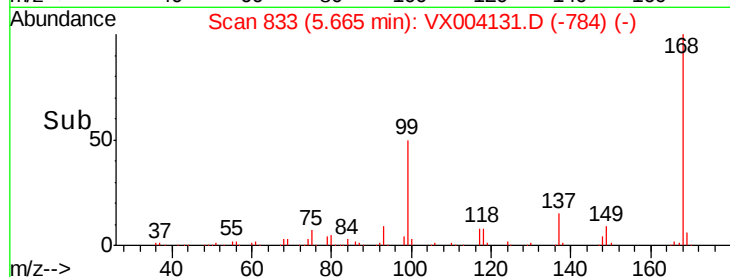
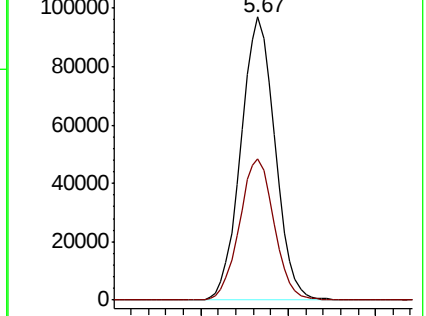
168 100

99 50.0 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 2.15 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004131.D

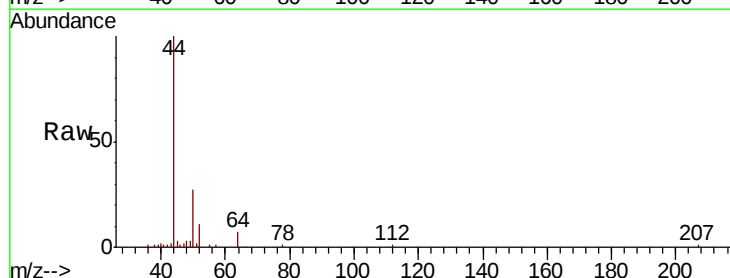
Acq: 17 Aug 2018 14:49

Tgt Ion: 50 Resp: 6765

Ion Ratio Lower Upper

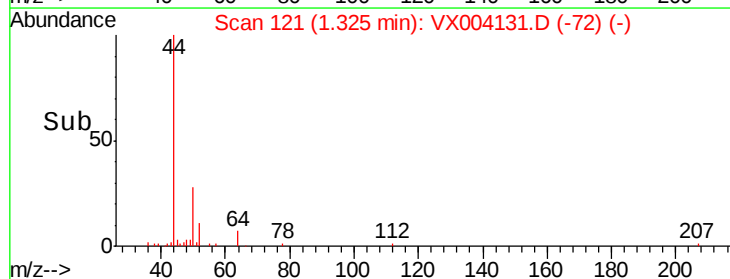
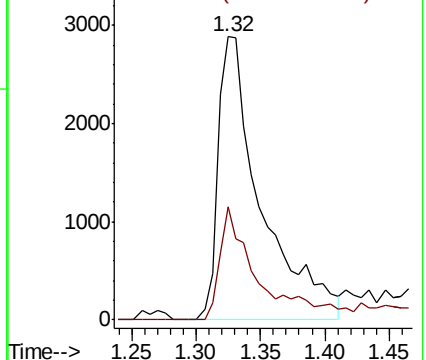
50 100

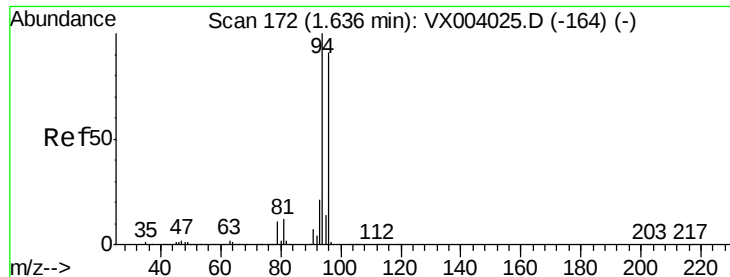
52 40.1 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.38 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

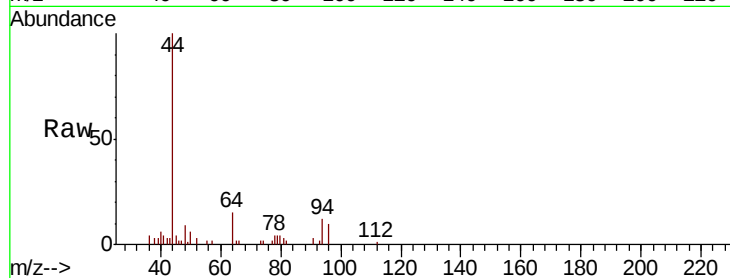
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 962

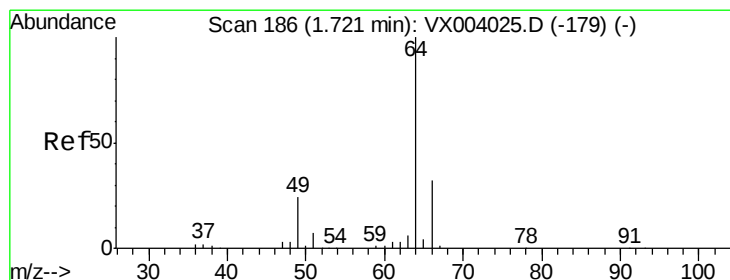
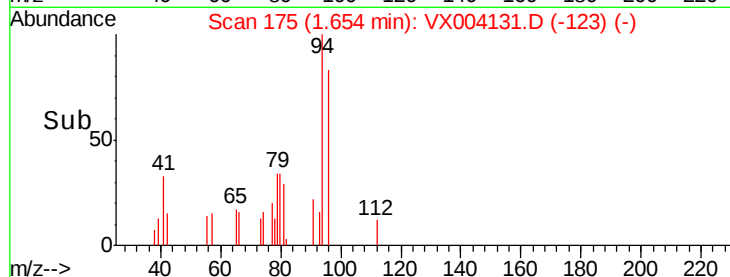
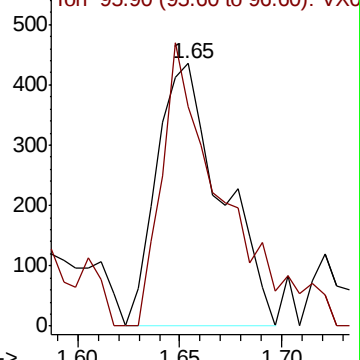
Ion Ratio Lower Upper

94 100

96 83.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004131.D

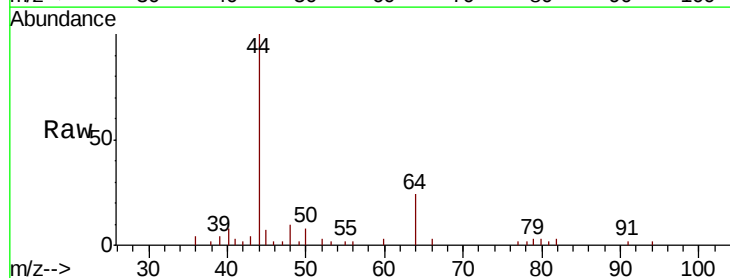
Acq: 17 Aug 2018 14:49

Tgt Ion: 64 Resp: 255

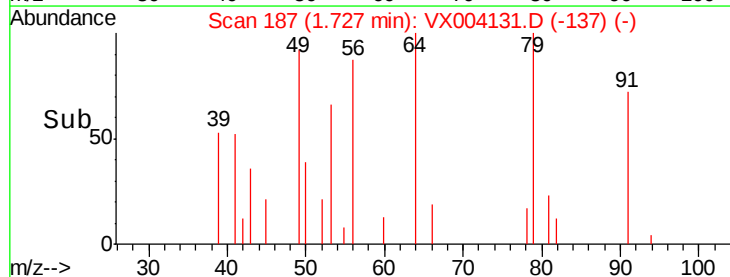
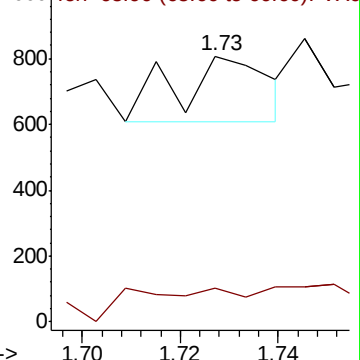
Ion Ratio Lower Upper

64 100

66 0.5 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0

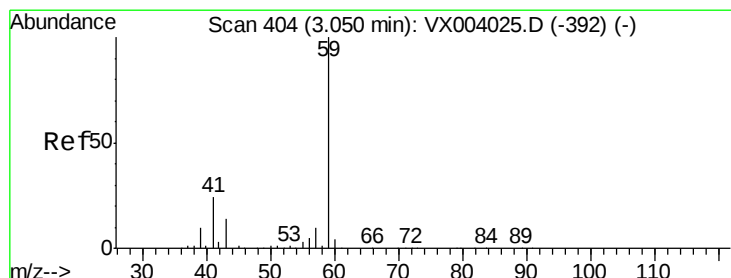
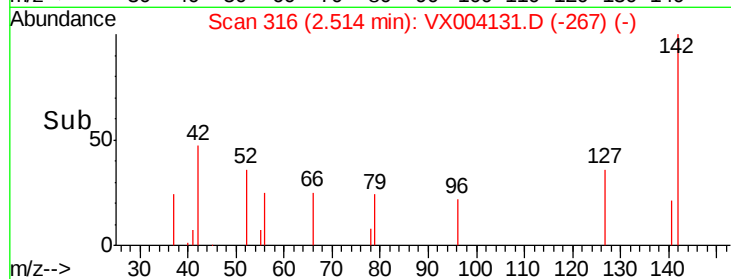
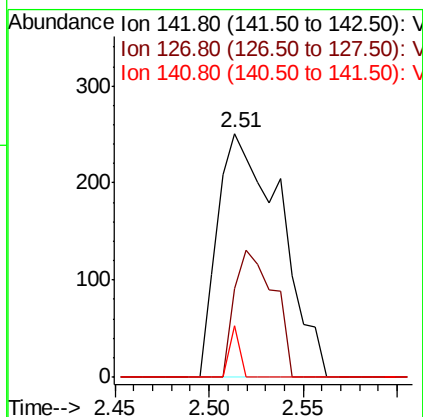
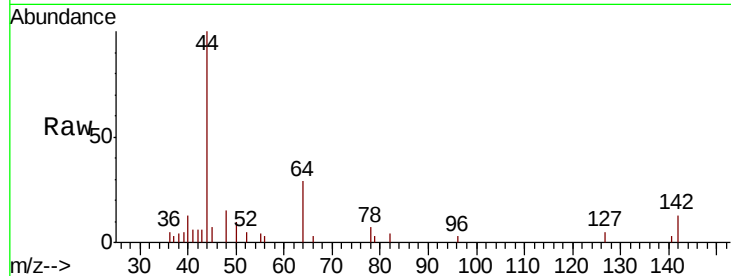




#10
Methyl Iodide
Concen: 5.17 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004131.D
Acq: 17 Aug 2018 14:49

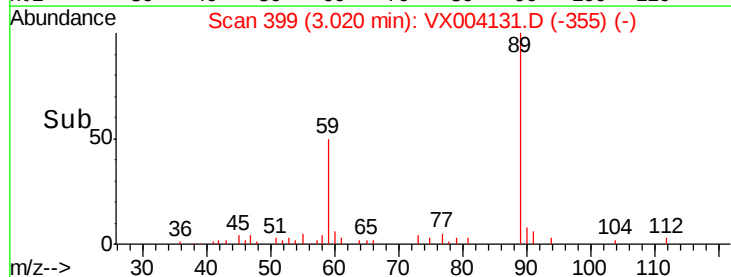
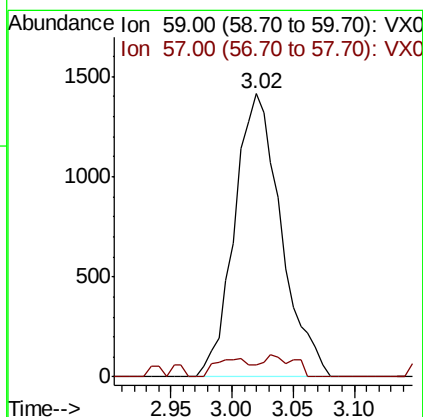
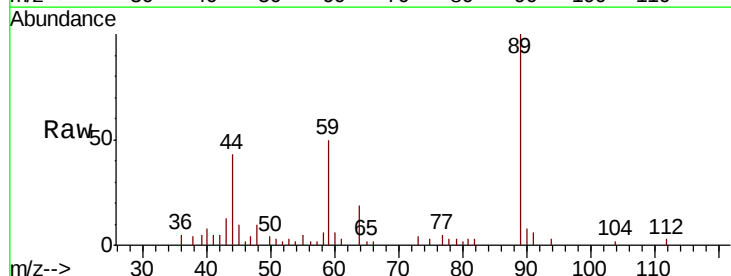
Instrument :
MSVOA_X
ClientSampled :

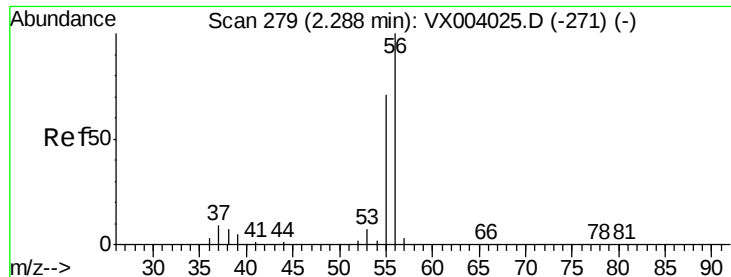
Tot Ion:142 Resp: 580
Ion Ratio Lower Upper
142 100
127 32.6 33.1 49.7#
141 3.3 11.1 16.7#



#11
Tert butyl alcohol
Concen: 5.01 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004131.D
Acq: 17 Aug 2018 14:49

Tgt Ion: 59 Resp: 3742
Ion Ratio Lower Upper
59 100
57 4.5 8.1 12.1#





#13

Acrolein

Concen: 11.09 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

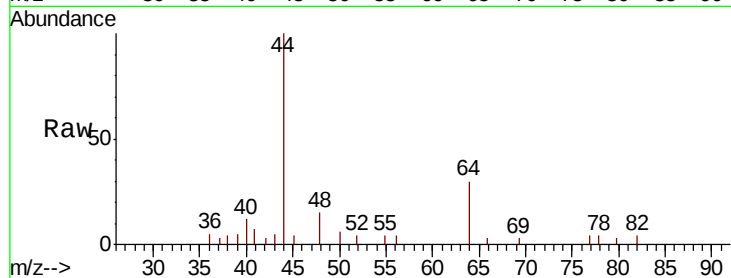
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 75

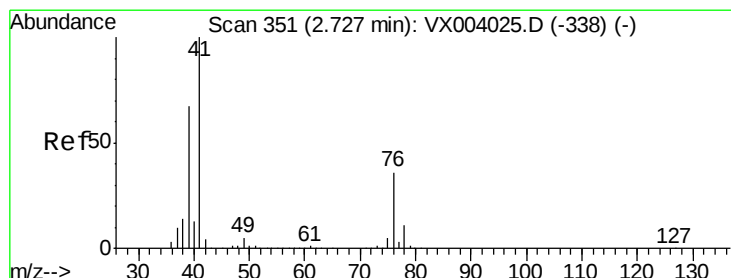
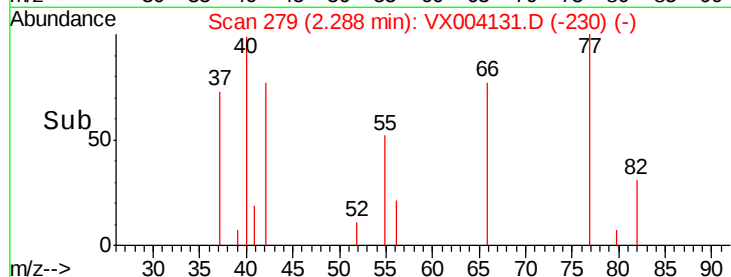
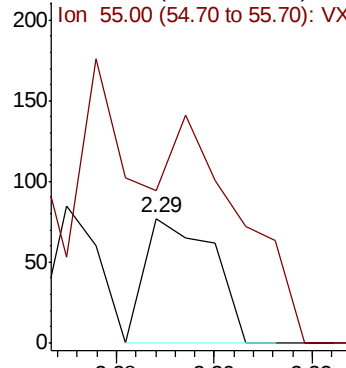
Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.84 ug/l

RT: 2.60 min Scan# 330

Delta R.T. -0.13 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

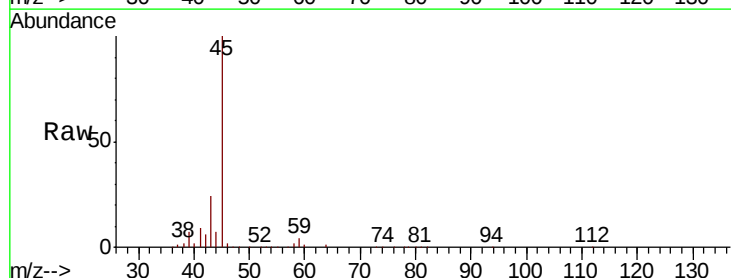
Tgt Ion: 41 Resp: 9716

Ion Ratio Lower Upper

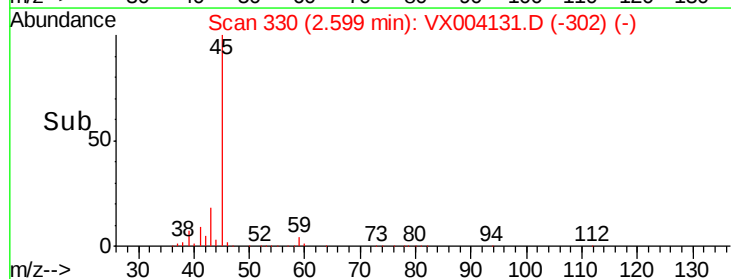
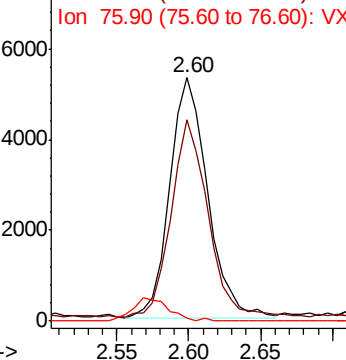
41 100

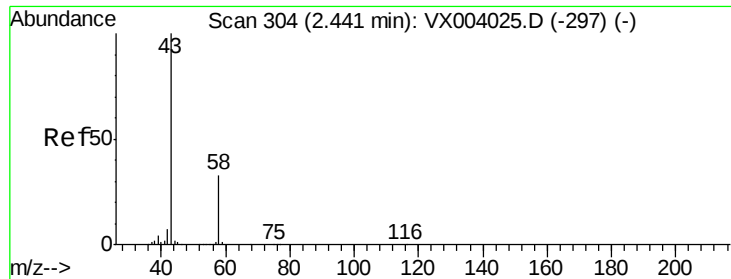
39 78.9 47.4 71.0#

76 0.0 26.0 39.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 5.51 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

Instrument :

MSVOA_X

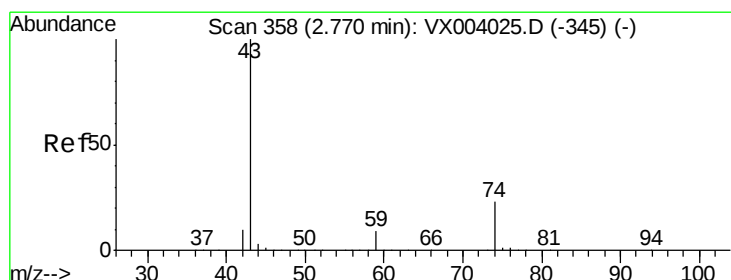
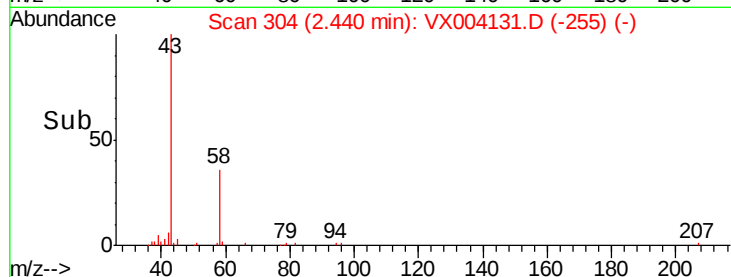
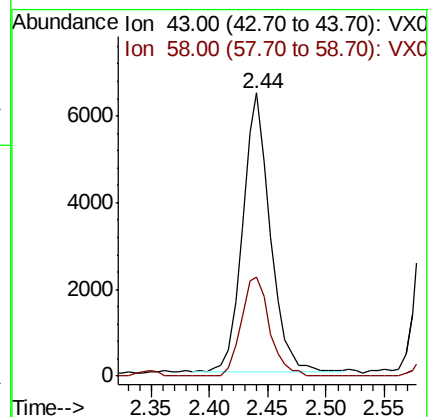
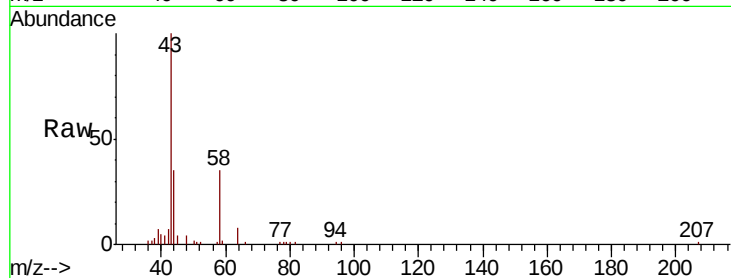
ClientSampled :

Tot Ion: 43 Resp: 10622

Ion Ratio Lower Upper

43 100

58 35.7 26.4 39.6



#18

Methyl Acetate

Concen: 0.29 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004131.D

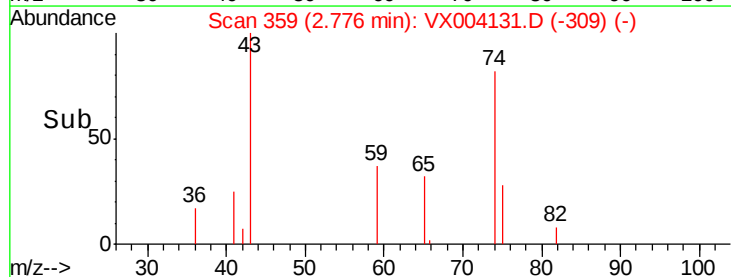
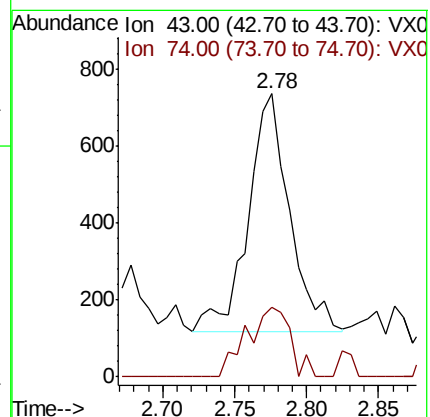
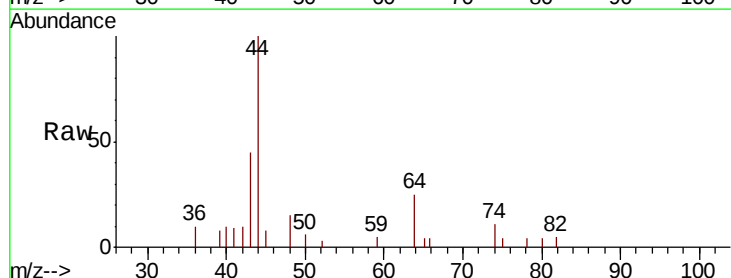
Acq: 17 Aug 2018 14:49

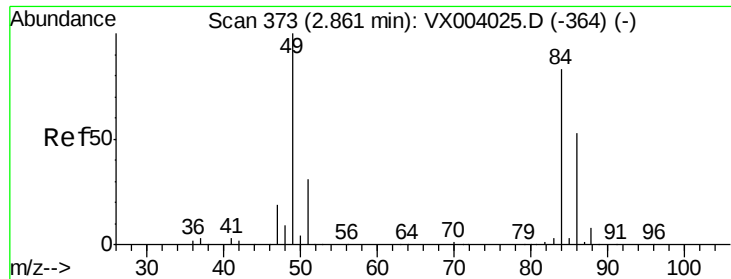
Tgt Ion: 43 Resp: 1224

Ion Ratio Lower Upper

43 100

74 31.0 18.9 28.3#

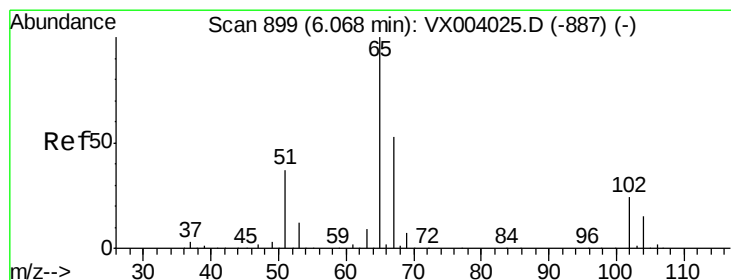
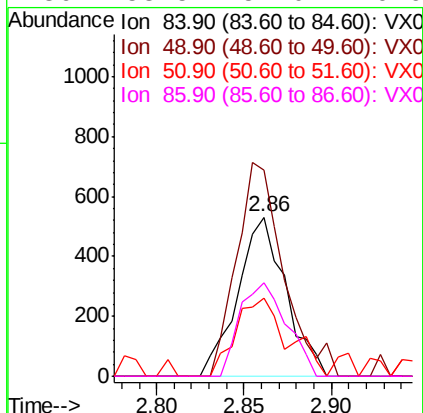
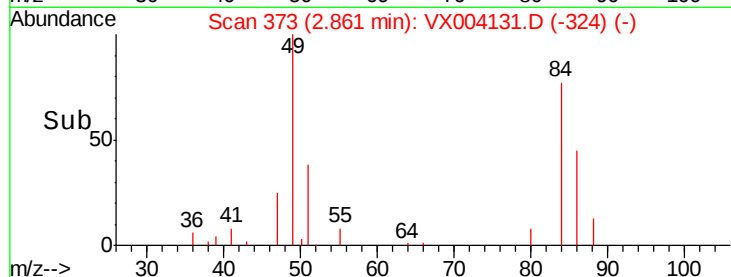
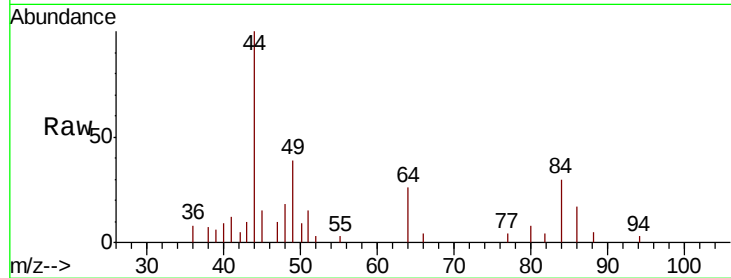




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004131.D
Acq: 17 Aug 2018 14:49

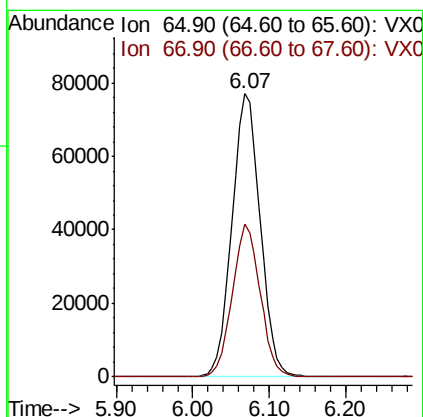
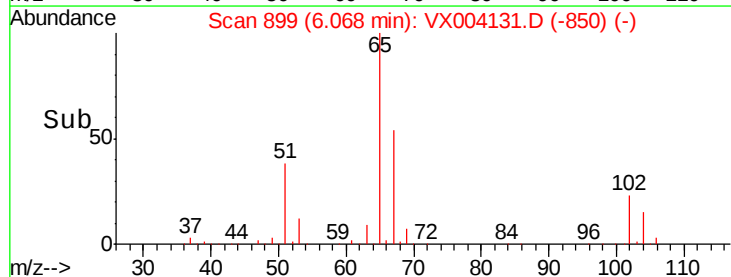
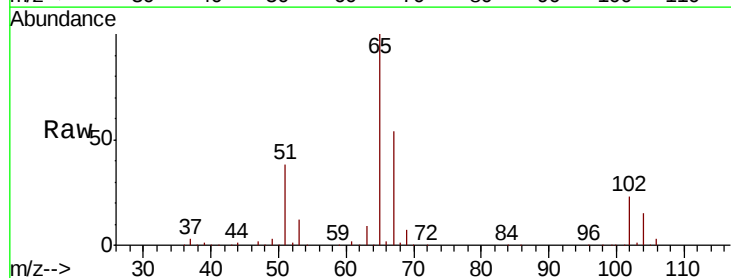
Instrument :
MSVOA_X
ClientSampleId :

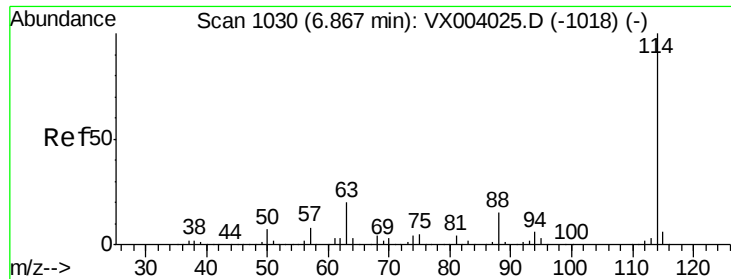
Tot Ion: 84 Resp: 1014
Ion Ratio Lower Upper
84 100
49 129.5 98.9 148.3
51 48.9 29.9 44.9#
86 58.5 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 53.11 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004131.D
Acq: 17 Aug 2018 14:49

Tgt Ion: 65 Resp: 197022
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

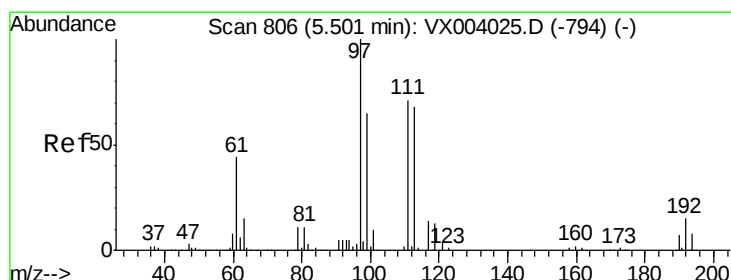
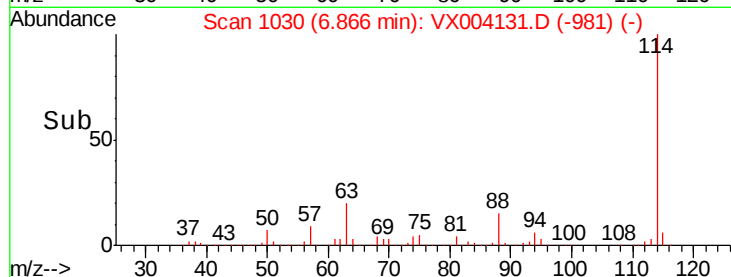
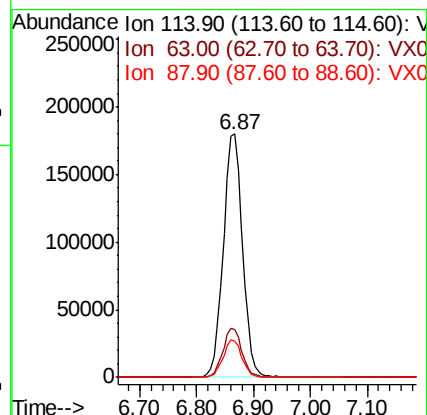
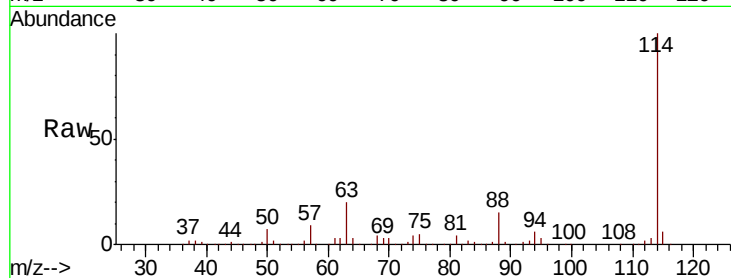




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004131.D
 Acq: 17 Aug 2018 14:49

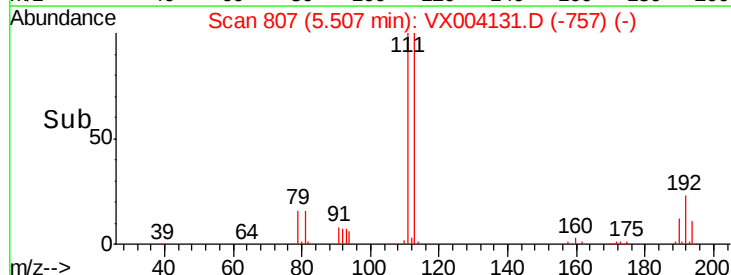
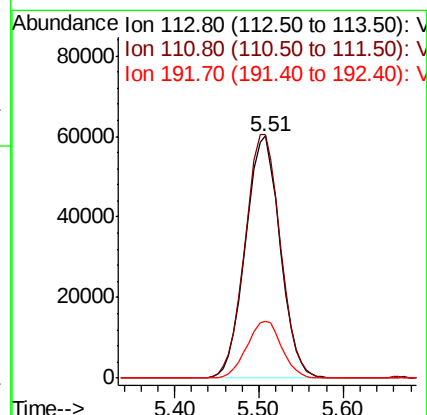
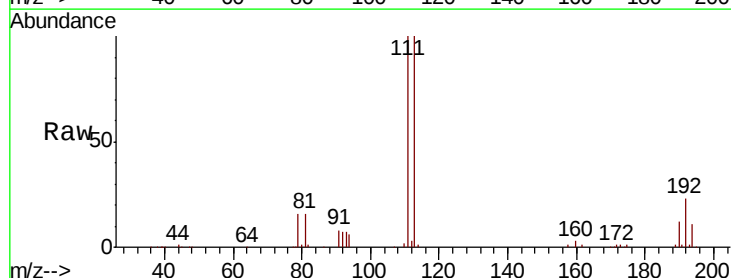
Instrument :
 MSVOA_X
 ClientSampleId :

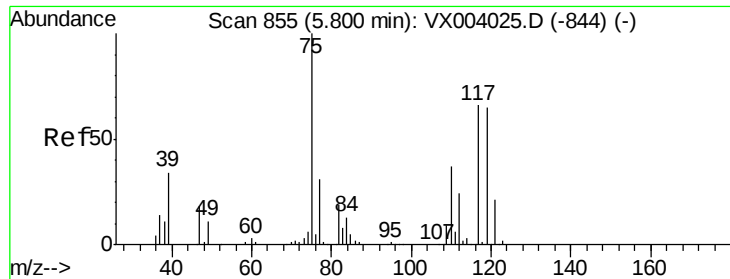
Tot Ion:114 Resp: 420385
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 14.7 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 53.19 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004131.D
 Acq: 17 Aug 2018 14:49

Tgt Ion:113 Resp: 167356
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.0 123.0
 192 23.7 19.0 28.4





#36

1,1-Dichloropropene

Concen: 3.80 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :

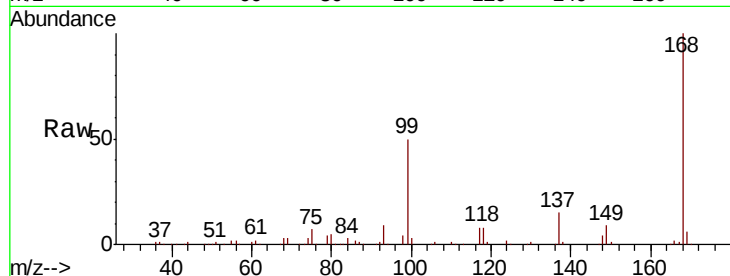
Tot Ion: 75 Resp: 18172

Ion Ratio Lower Upper

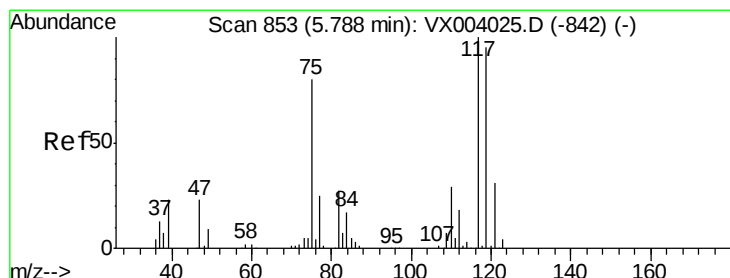
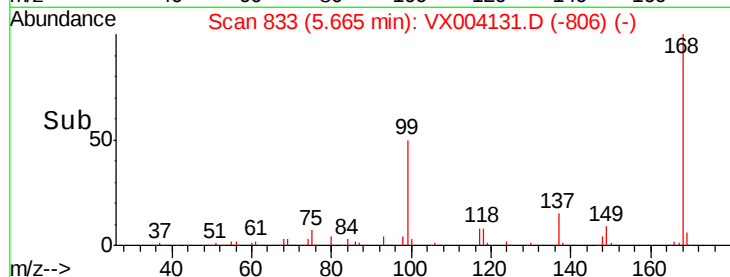
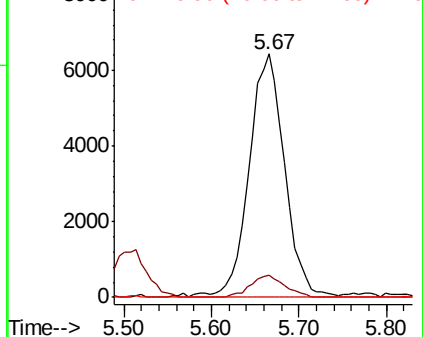
75 100

110 8.8 18.2 54.6#

77 0.0 25.0 37.4#



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: 5.04 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

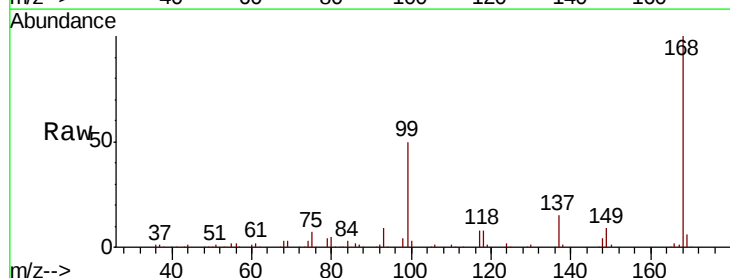
Tgt Ion: 117 Resp: 23423

Ion Ratio Lower Upper

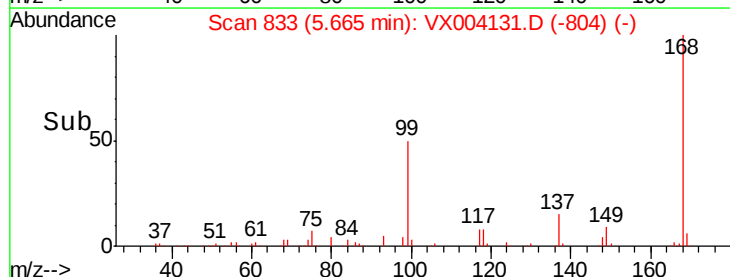
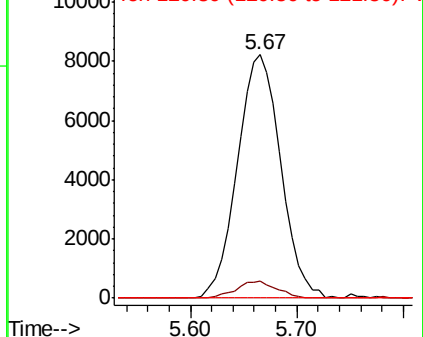
117 100

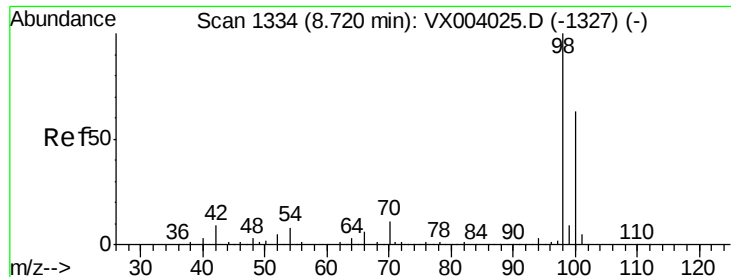
119 6.8 79.5 119.3#

121 0.0 25.0 37.4#



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: 46.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

Instrument :

MSVOA_X

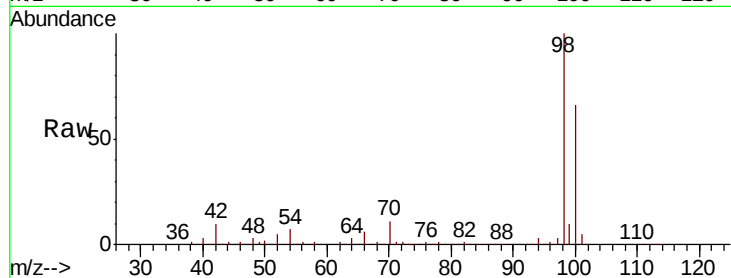
ClientSampleId :

Tot Ion: 98 Resp: 591634

Ion Ratio Lower Upper

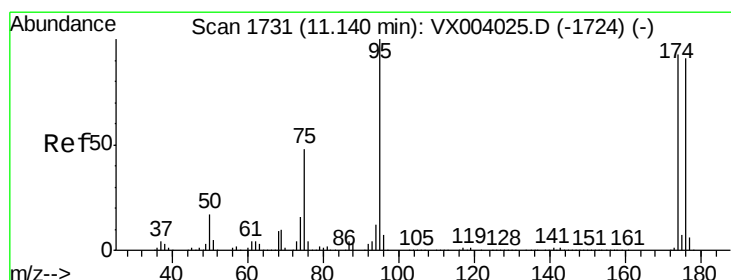
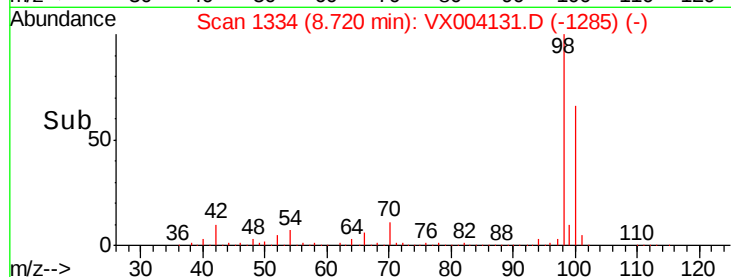
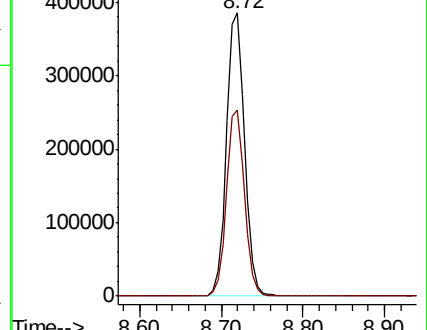
98 100

100 65.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

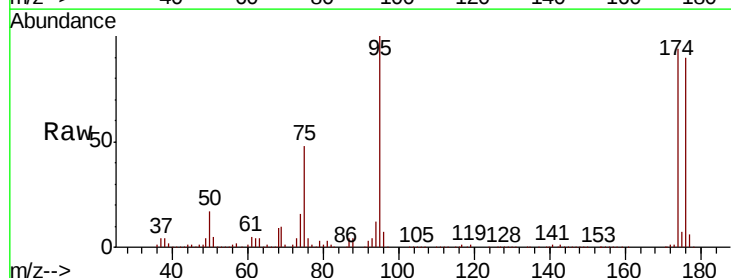
Tgt Ion: 95 Resp: 202004

Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.8

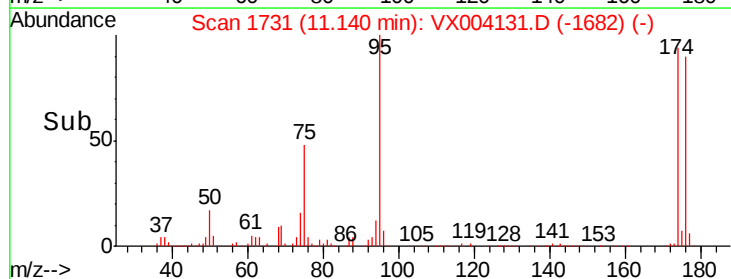
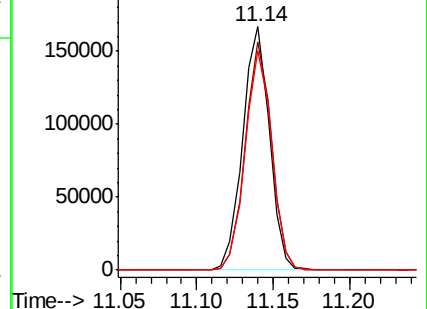
176 89.7 0.0 179.0

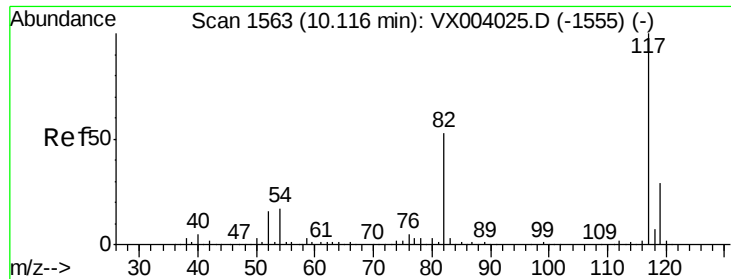


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

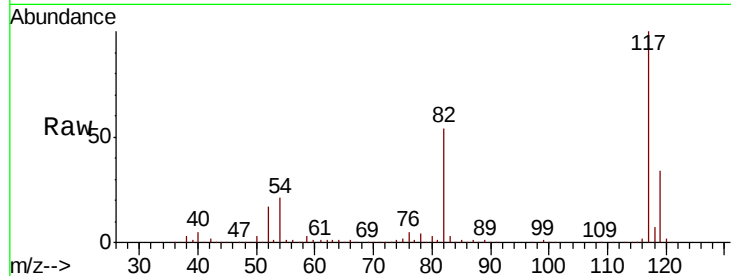




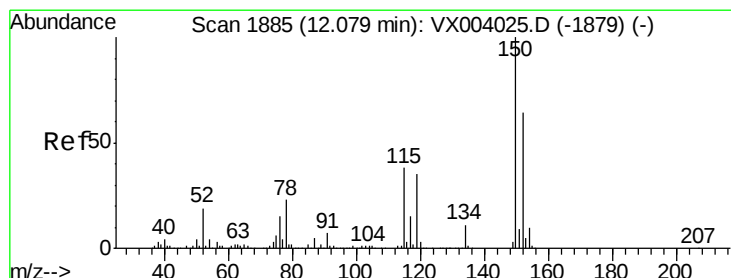
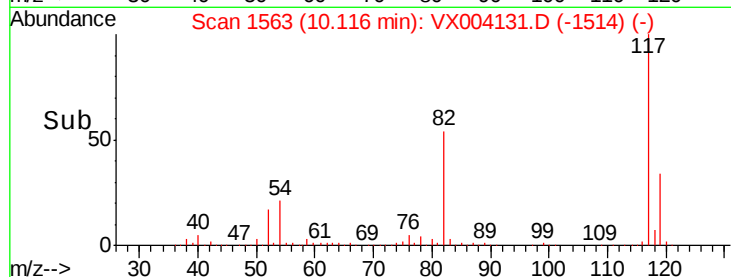
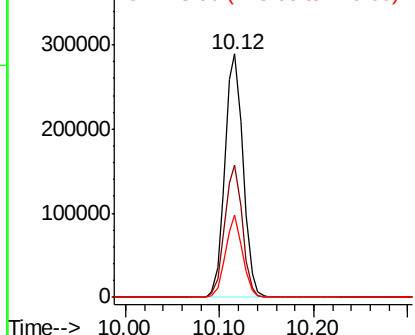
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004131.D
Acq: 17 Aug 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 386703
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.0
119 33.7 26.6 40.0

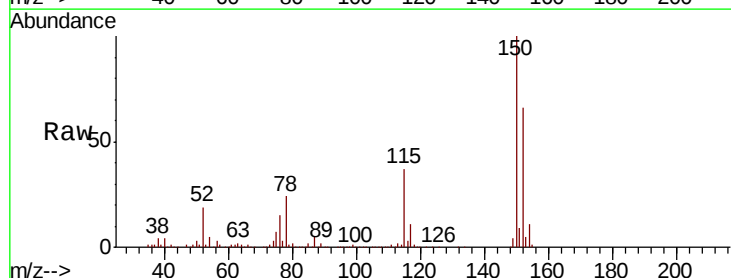


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

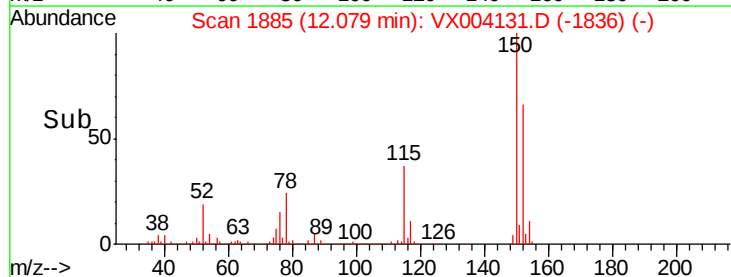
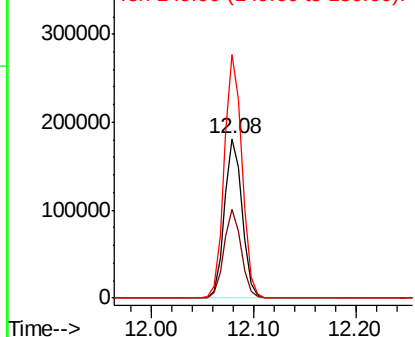


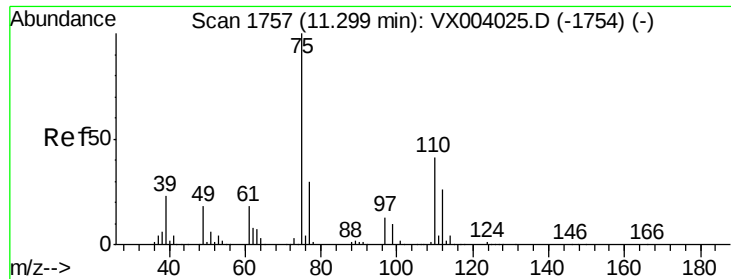
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004131.D
Acq: 17 Aug 2018 14:49

Tgt Ion:152 Resp: 216687
Ion Ratio Lower Upper
152 100
115 55.0 39.1 117.3
150 153.6 0.0 349.2



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

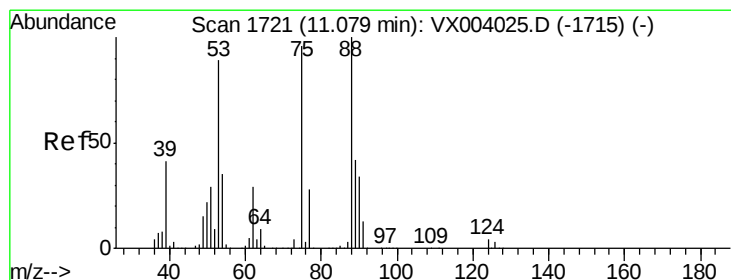
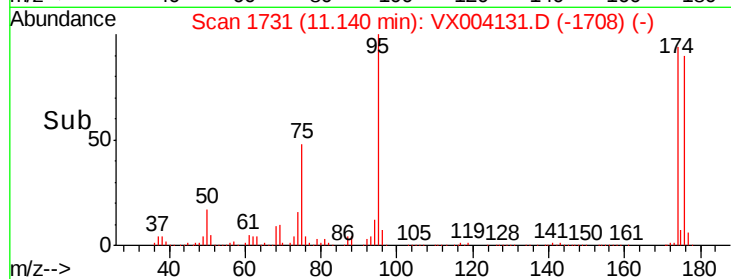
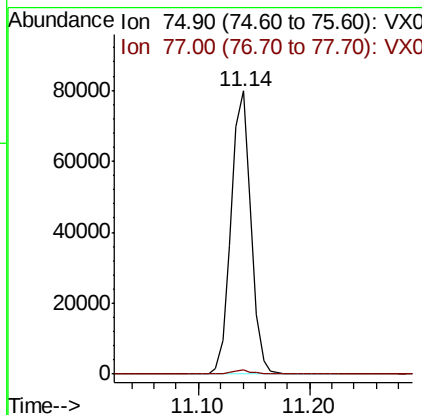
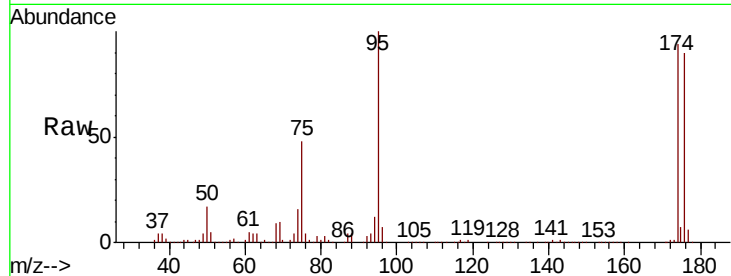




#76
 1,2,3-Trichloropropane
 Concen: 22.62 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004131.D
 Acq: 17 Aug 2018 14:49

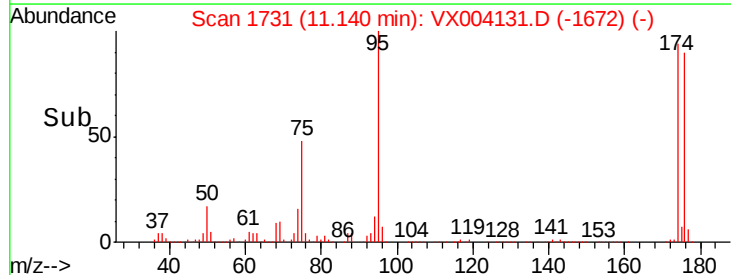
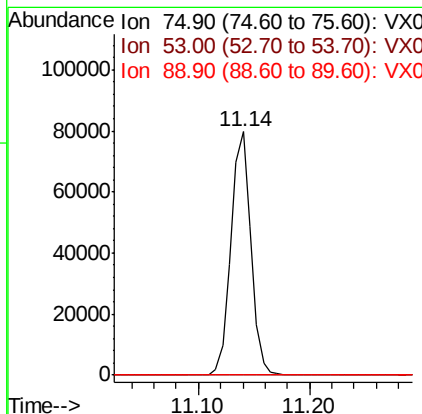
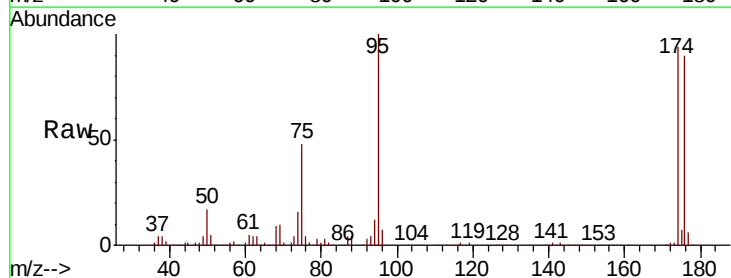
Instrument :
 MSVOA_X
 ClientSampled :

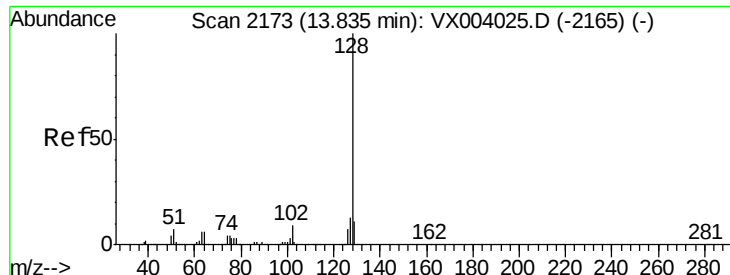
Tot Ion: 75 Resp: 98306
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.03 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004131.D
 Acq: 17 Aug 2018 14:49

Tgt Ion: 75 Resp: 98306
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.3 120.5#
 89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.16 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

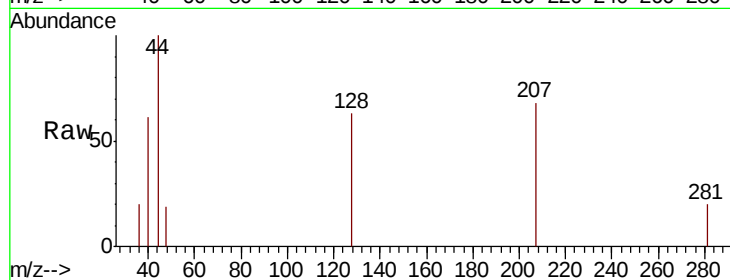
Lab File: VX004131.D

Acq: 17 Aug 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :



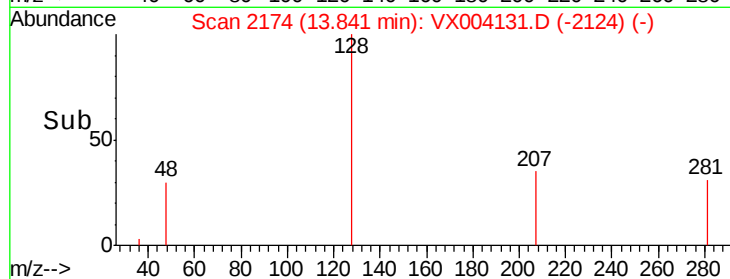
Tot Ion:128 Resp: 238

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



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

