

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004130.D
 Acq On : 17 Aug 2018 14:23
 Operator : JC/MD
 Sample : J4522-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 01:32:05 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	271112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	420265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219052	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	199863	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
35) Dibromofluoromethane	5.51	113	170934	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
50) Toluene-d8	8.72	98	601086	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.14	95	207440	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

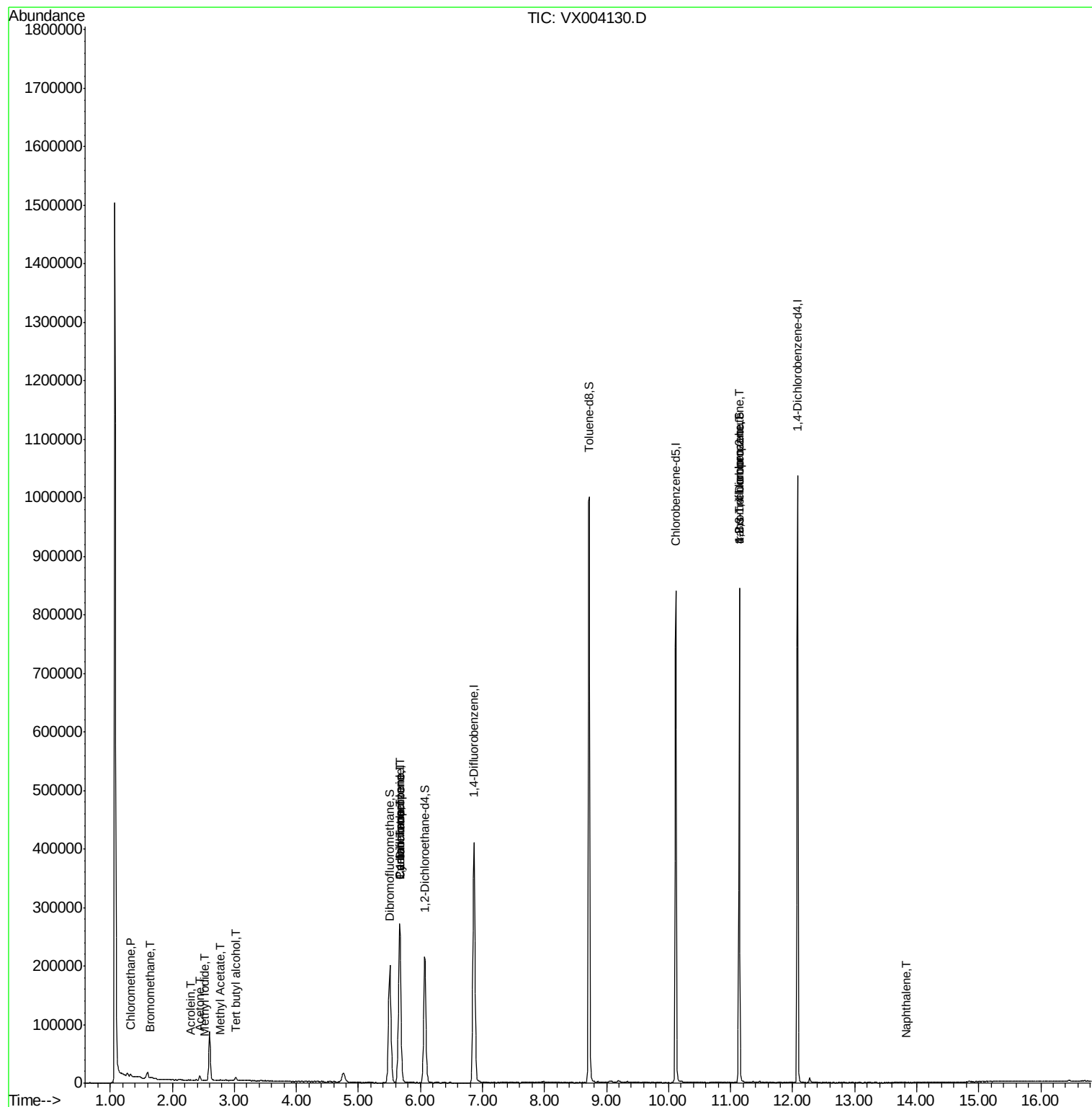
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	6756	2.09	ug/l	94
5) Bromomethane	1.65	94	1040	0.41	ug/l	85
6) Chloroethane	1.73	64	452	Below Cal	#	87
10) Methyl Iodide	2.53	142	638	5.19	ug/l	91
11) Tert butyl alcohol	3.02	59	3669	4.77	ug/l	81
13) Acrolein	2.29	56	241	11.39	ug/l	63
16) Acetone	2.44	43	8881	4.47	ug/l	95
18) Methyl Acetate	2.78	43	1361	0.31	ug/l	79
20) Methylene Chloride	2.86	84	446	Below Cal	#	82
31) Cyclohexane	5.67	56	4843	0.92	ug/l	1
36) 1,1-Dichloropropene	5.66	75	18358	3.84	ug/l	49
38) Carbon Tetrachloride	5.67	117	23906	5.15	ug/l	16
76) 1,2,3-Trichloropropane	11.14	75	100732	22.93	ug/l	36
81) trans-1,4-Dichloro-2-buten	11.14	75	100732	70.98	ug/l	10
95) Naphthalene	13.83	128	338	1.17	ug/l	69

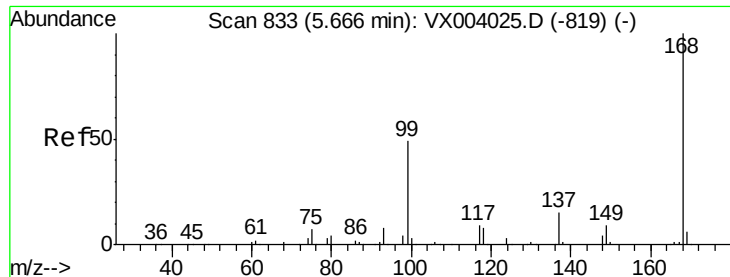
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 01:32:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
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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: VX004130.D

Acq: 17 Aug 2018 14:23

Instrument :

MSVOA_X

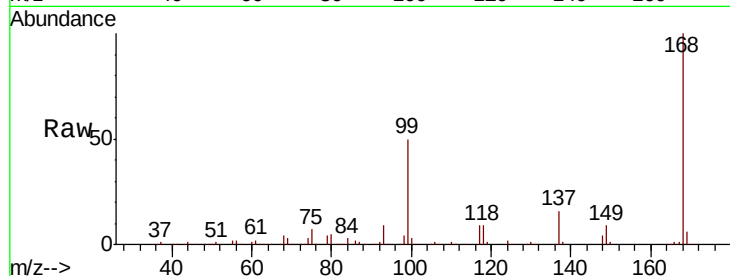
ClientSampleId :

Tot Ion:168 Resp: 271112

Ion Ratio Lower Upper

168 100

99 49.8 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

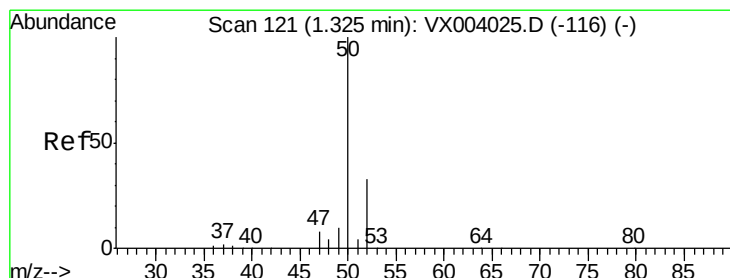
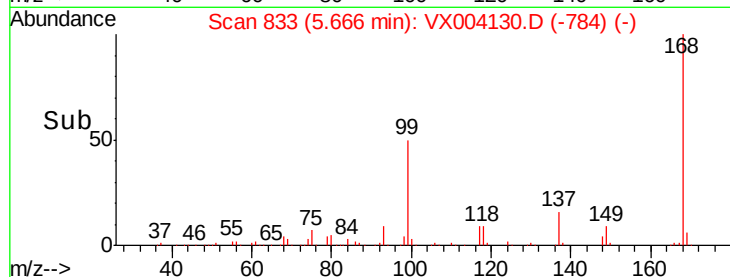
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 2.09 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004130.D

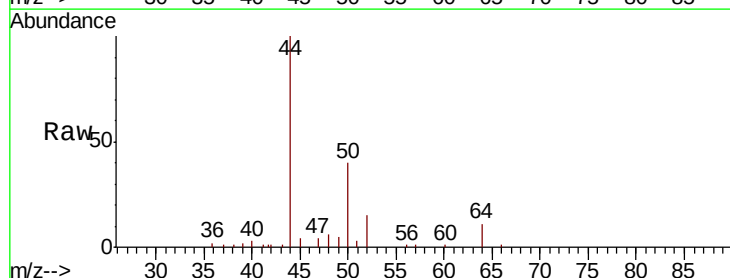
Acq: 17 Aug 2018 14:23

Tgt Ion: 50 Resp: 6756

Ion Ratio Lower Upper

50 100

52 36.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

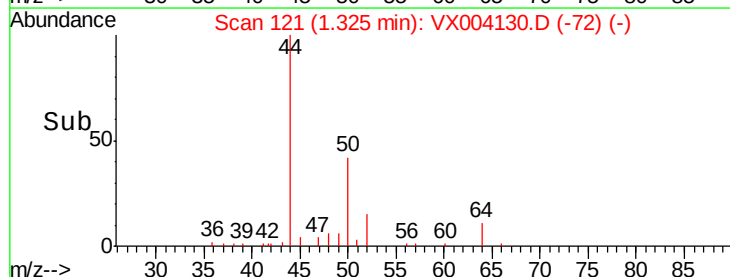
3000

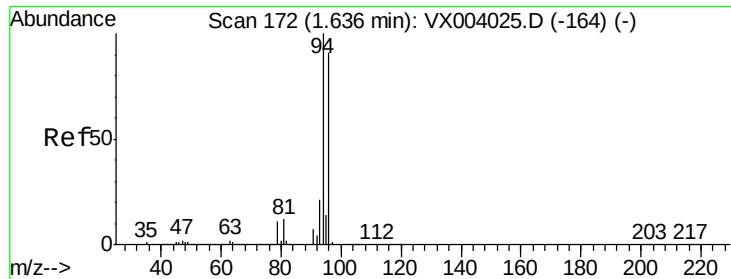
2000

1000

0

Time--> 1.25 1.30 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.41 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004130.D

Acq: 17 Aug 2018 14:23

Instrument :

MSVOA_X

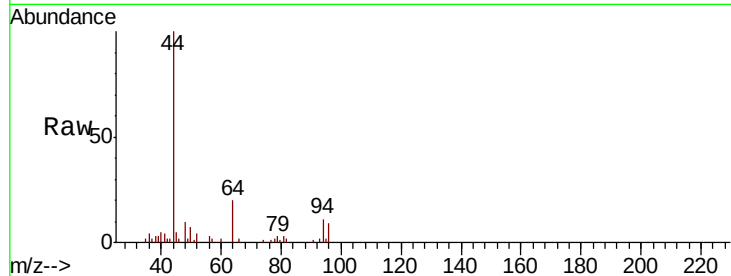
ClientSampleId :

Tot Ion: 94 Resp: 1040

Ion Ratio Lower Upper

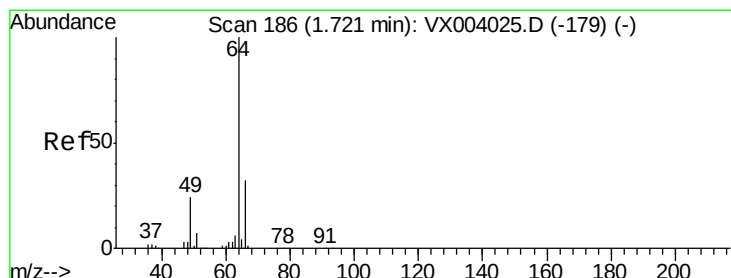
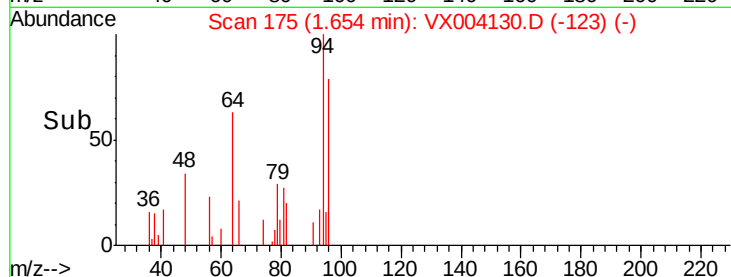
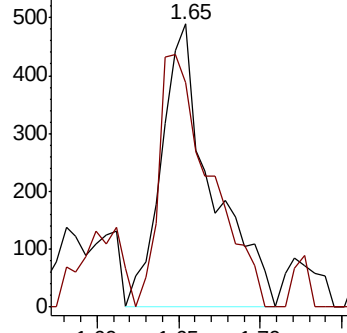
94 100

96 79.1 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# 188

Delta R.T. 0.01 min

Lab File: VX004130.D

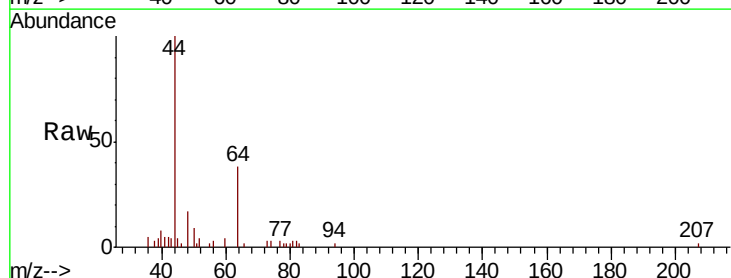
Acq: 17 Aug 2018 14:23

Tgt Ion: 64 Resp: 452

Ion Ratio Lower Upper

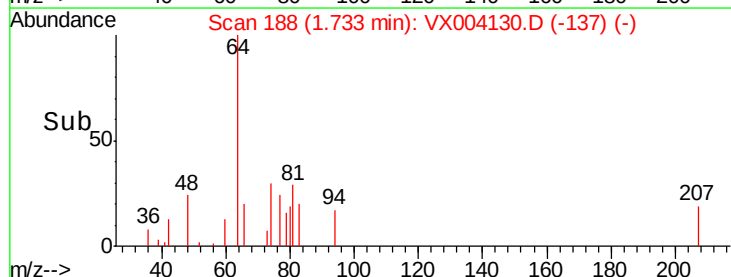
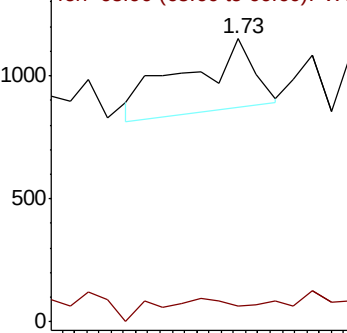
64 100

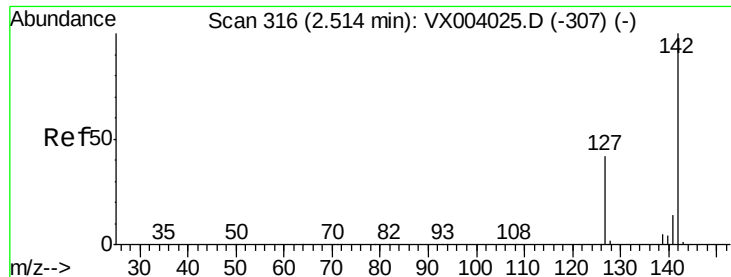
66 25.7 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

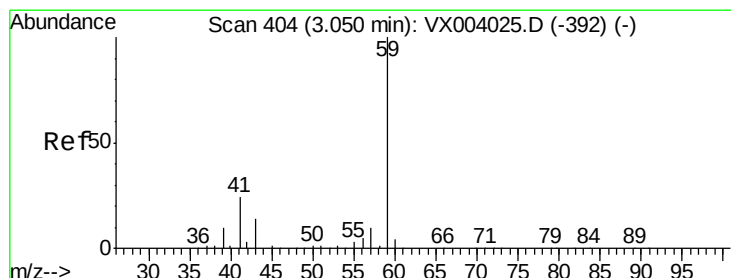
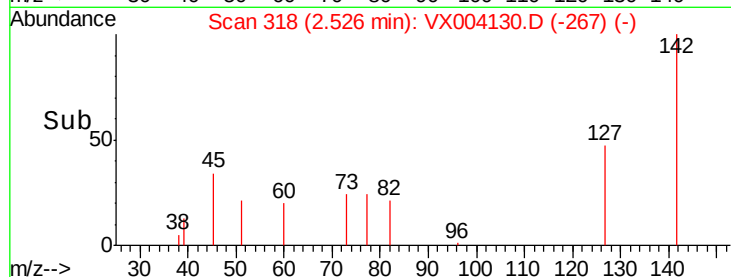
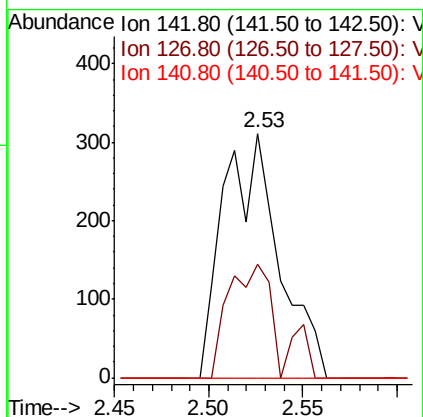
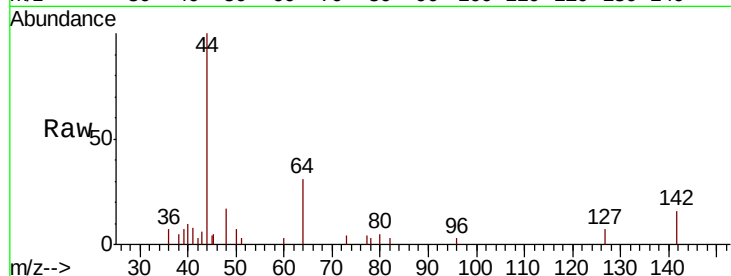




#10
Methvl Iodide
Concen: 5.19 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

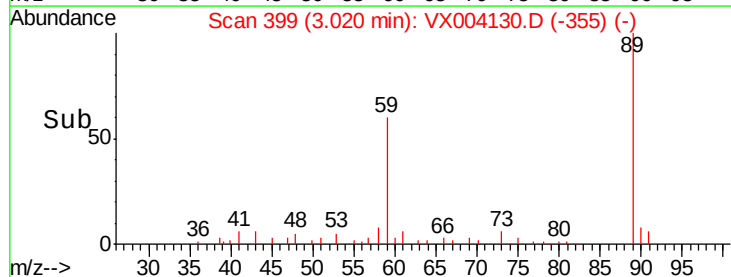
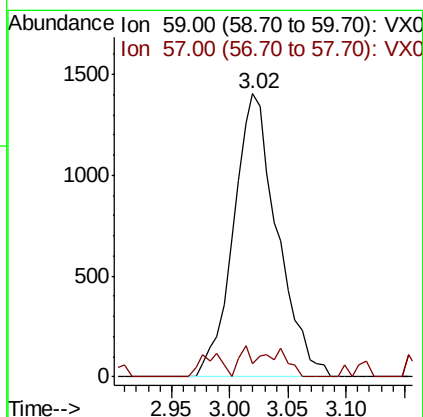
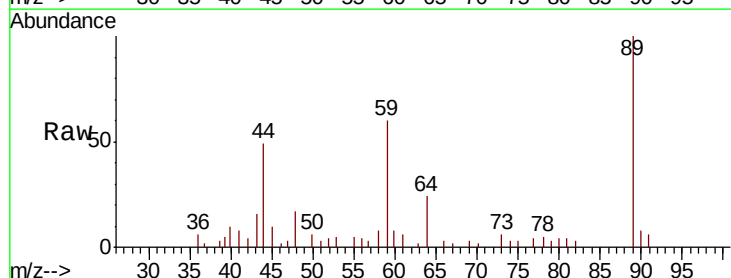
Instrument :
MSVOA_X
ClientSampled :

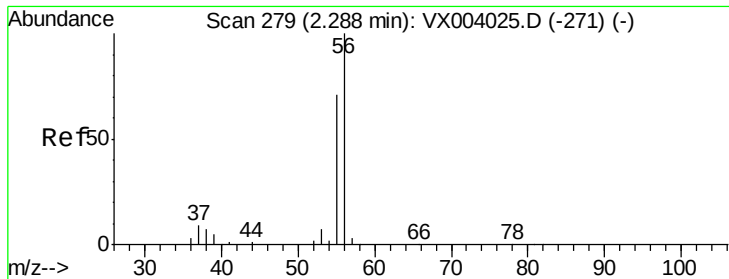
Tot Ion:142 Resp: 638
Ion Ratio Lower Upper
142 100
127 41.5 33.1 49.7
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 4.77 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

Tgt Ion: 59 Resp: 3669
Ion Ratio Lower Upper
59 100
57 3.1 8.1 12.1#





#13

Acrolein

Concen: 11.39 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004130.D

Acq: 17 Aug 2018 14:23

Instrument :

MSVOA_X

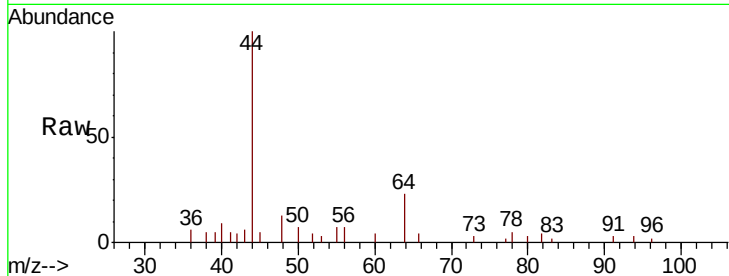
ClientSampleId :

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

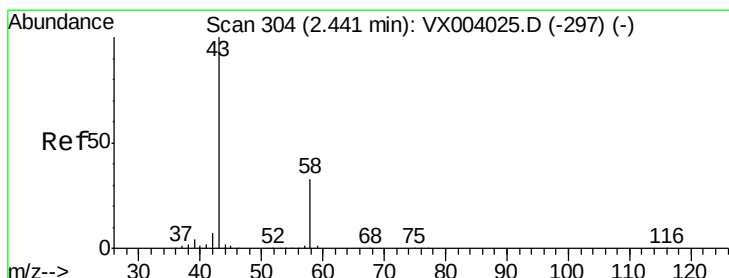
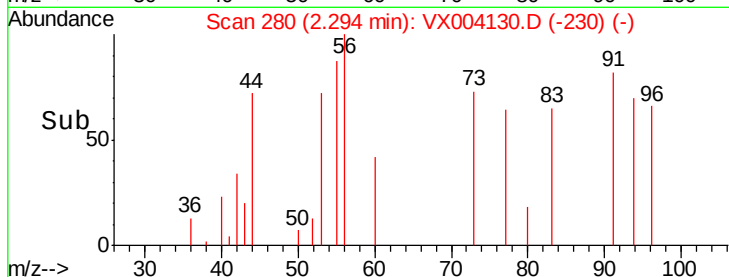
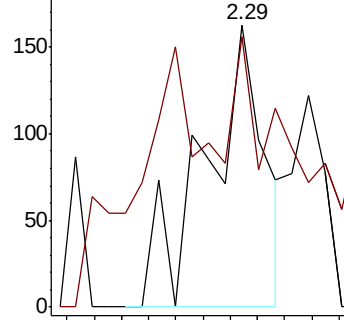
56 100

55 39.4 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.47 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004130.D

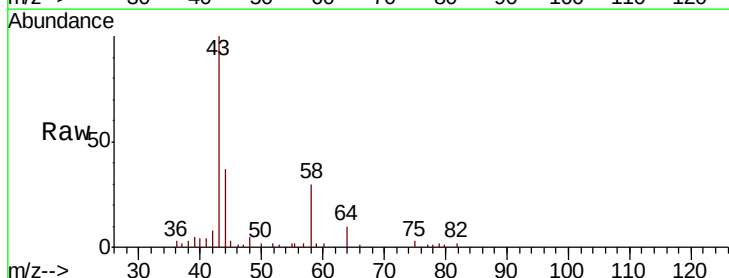
Acq: 17 Aug 2018 14:23

Tgt Ion: 43 Resp: 8881

Ion Ratio Lower Upper

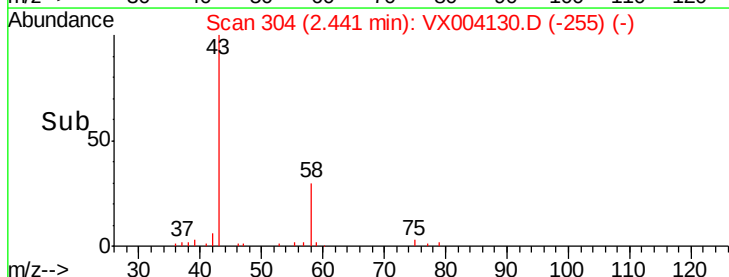
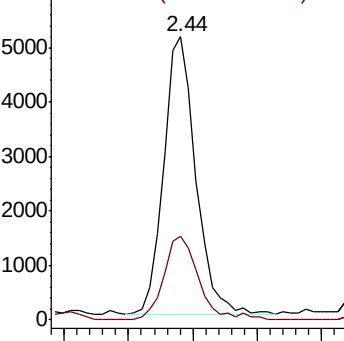
43 100

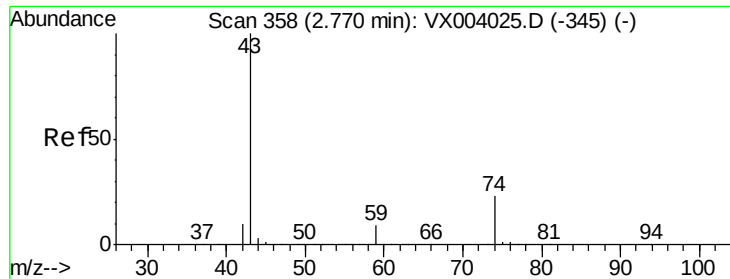
58 30.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

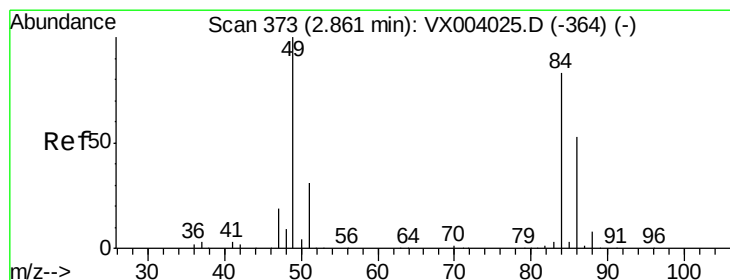
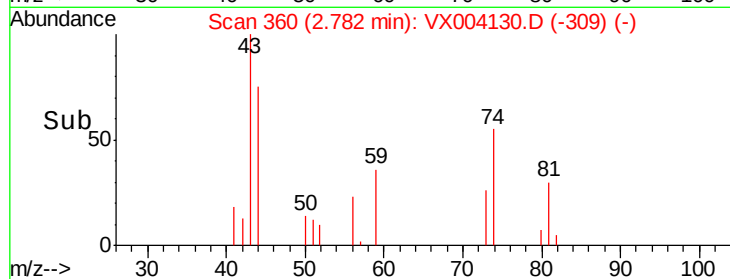
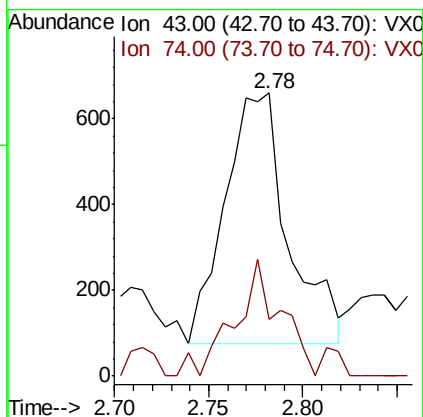
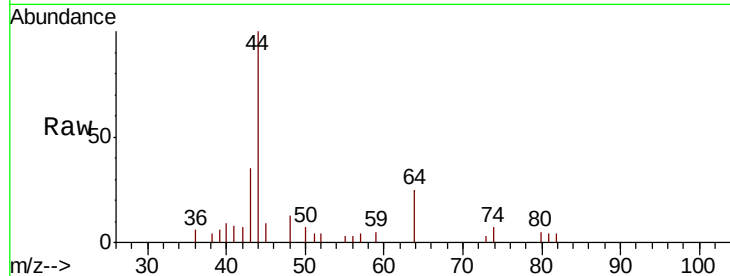




#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.01 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

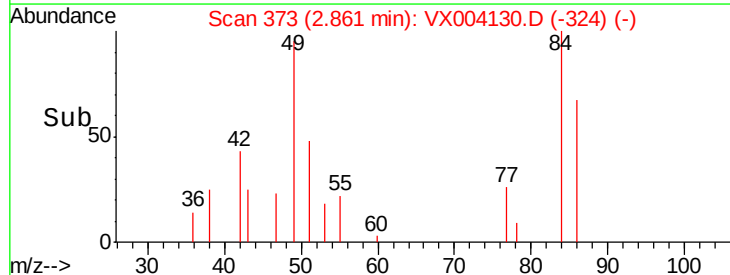
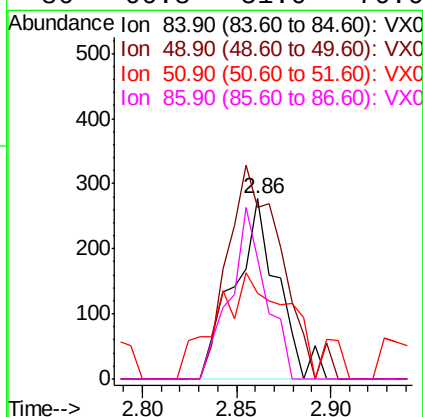
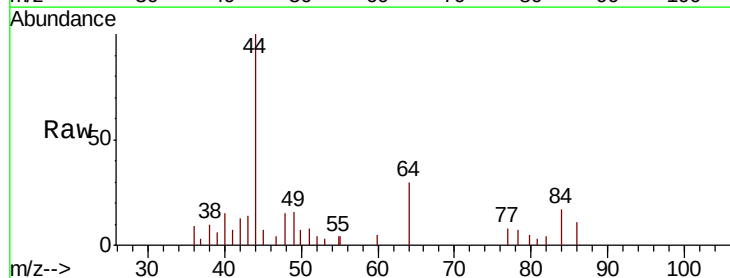
Instrument :
MSVOA_X
ClientSampled :

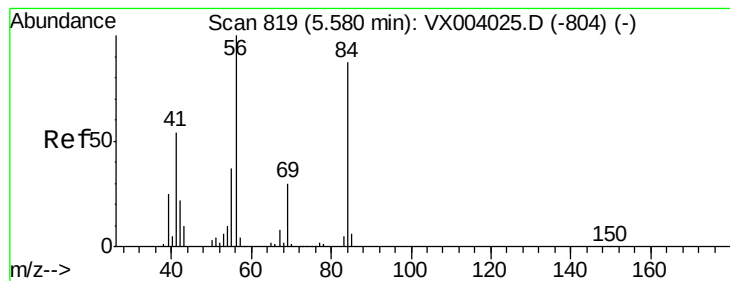
Tot Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
74 33.7 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

Tgt Ion: 84 Resp: 446
Ion Ratio Lower Upper
84 100
49 94.9 98.9 148.3#
51 26.4 29.9 44.9#
86 66.8 51.0 76.6





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX004130.D

Acq: 17 Aug 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

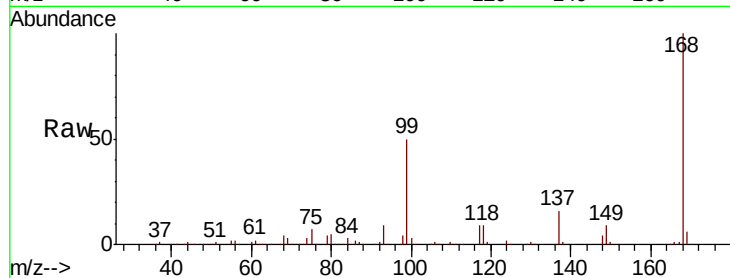
Tot Ion: 56 Resp: 4843

Ion Ratio Lower Upper

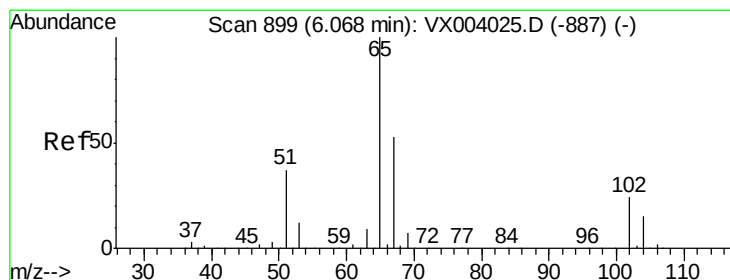
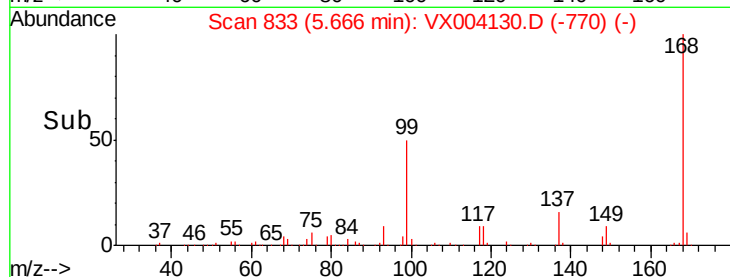
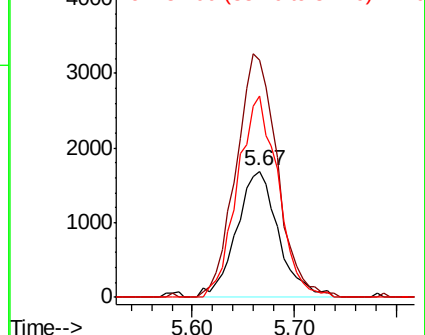
56 100

69 188.4 24.9 37.3#

84 160.3 71.7 107.5#



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: 52.32 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX004130.D

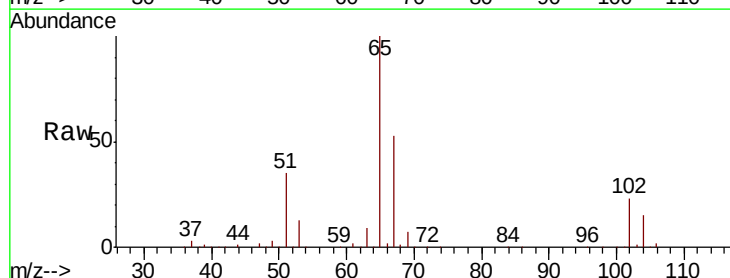
Acq: 17 Aug 2018 14:23

Tgt Ion: 65 Resp: 199863

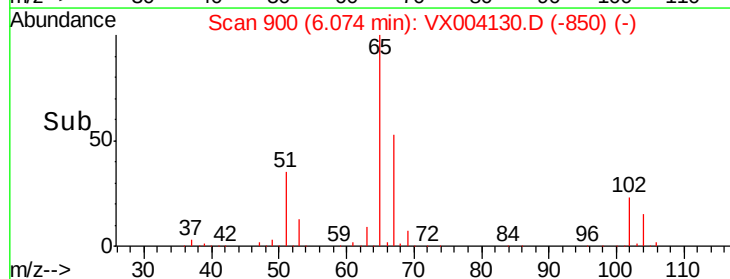
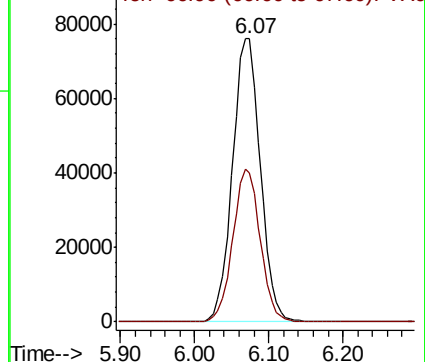
Ion Ratio Lower Upper

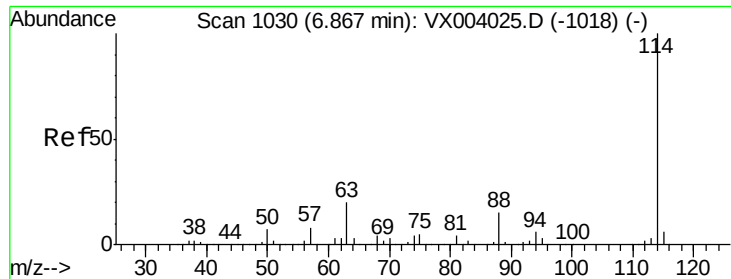
65 100

67 52.9 0.0 105.8



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: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX004130.D

Acq: 17 Aug 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

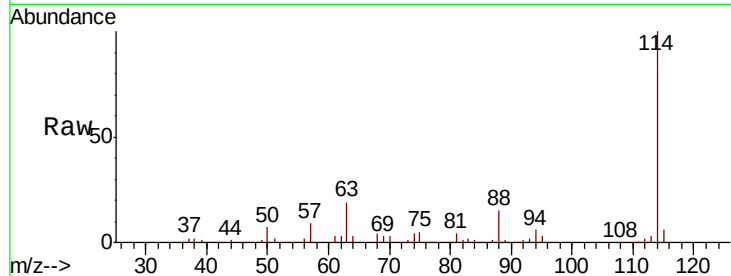
Tot Ion:114 Resp: 420265

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

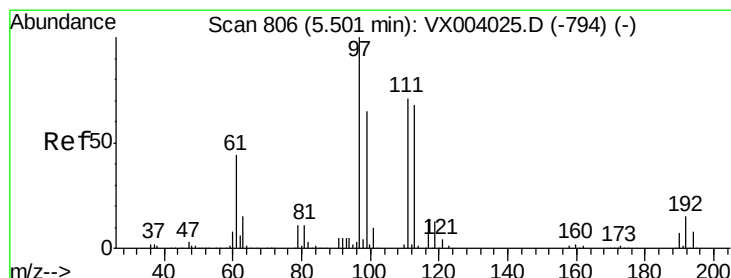
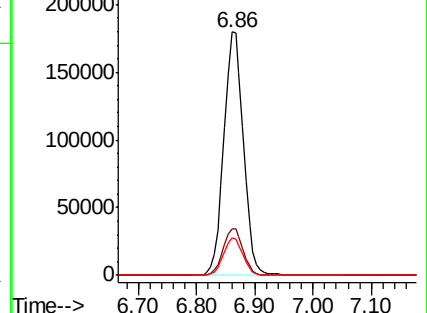
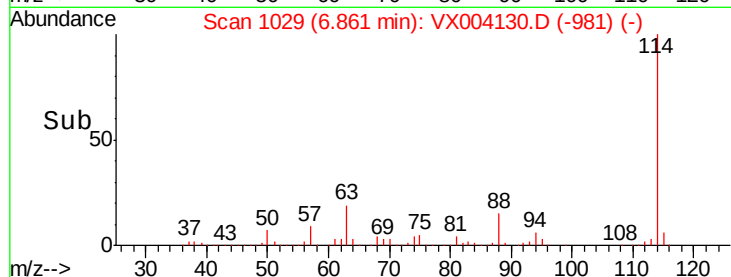
88 15.4 0.0 32.0



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: 54.35 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004130.D

Acq: 17 Aug 2018 14:23

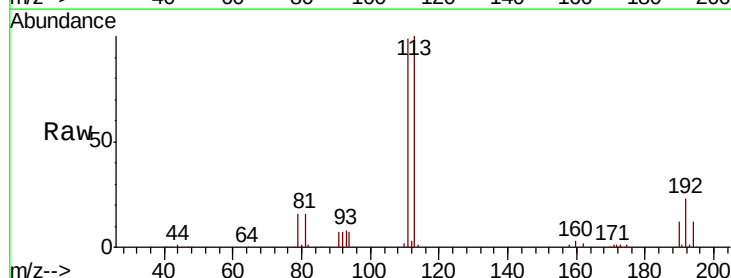
Tgt Ion:113 Resp: 170934

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

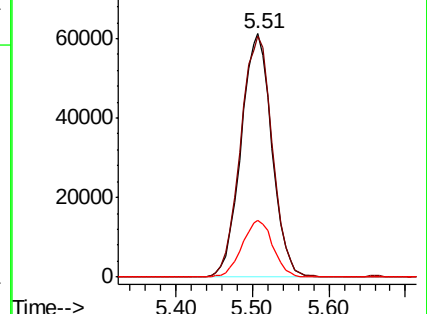
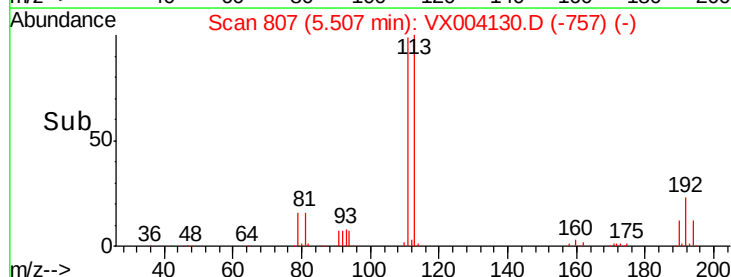
192 23.4 19.0 28.4

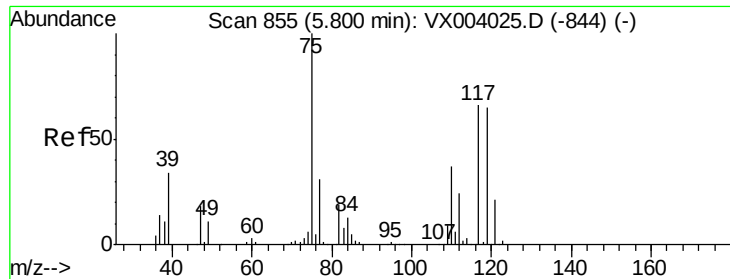


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

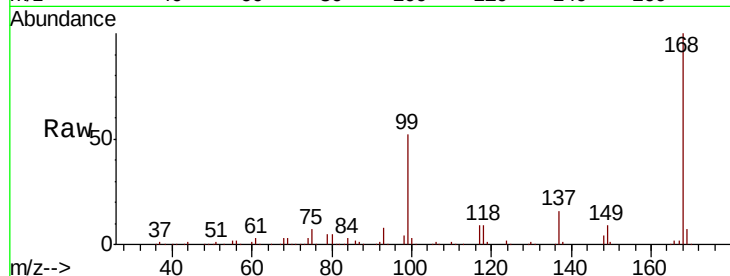




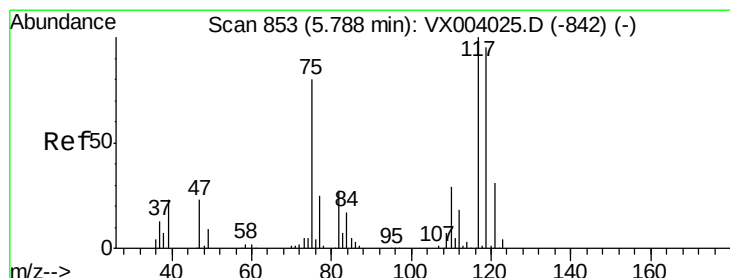
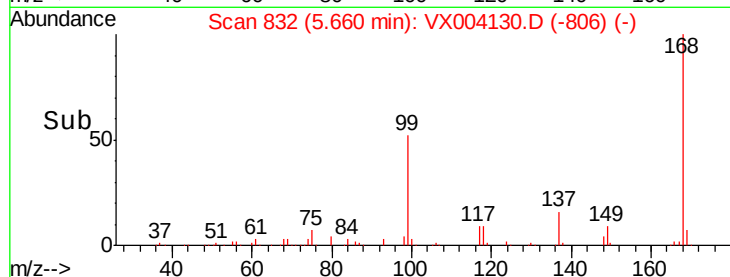
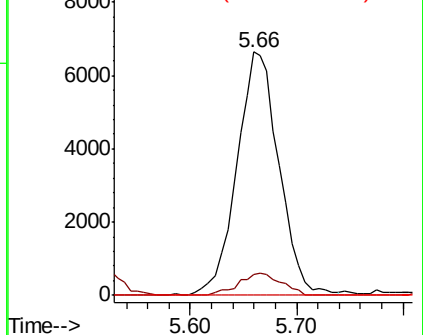
#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004130.D
 Acq: 17 Aug 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.2	54.6#
77	0.0	25.0	37.4#

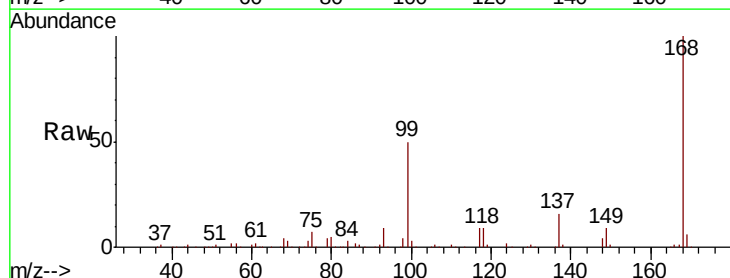


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

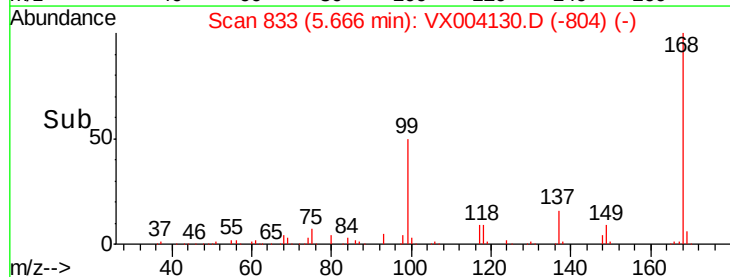
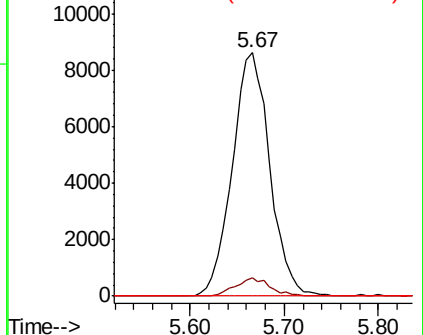


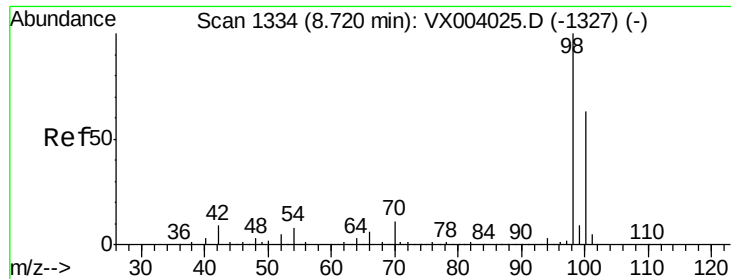
#38
 Carbon Tetrachloride
 Concen: 5.15 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX004130.D
 Acq: 17 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	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

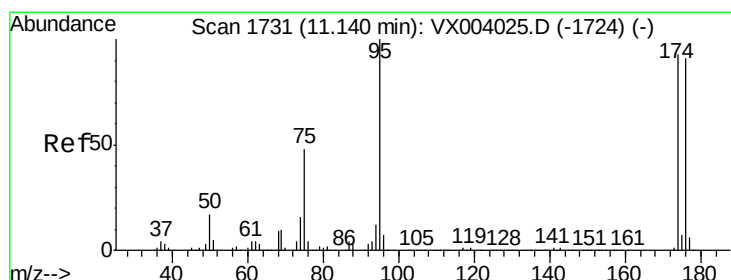
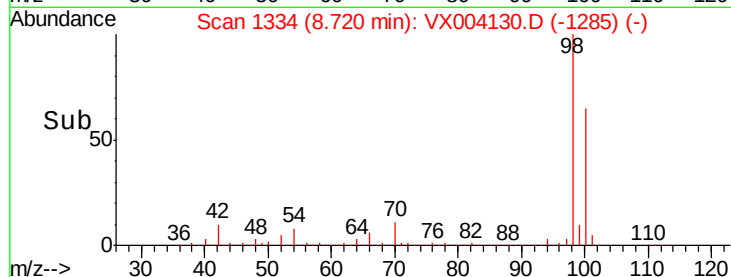
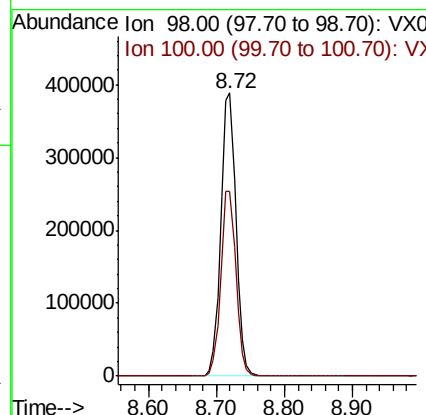
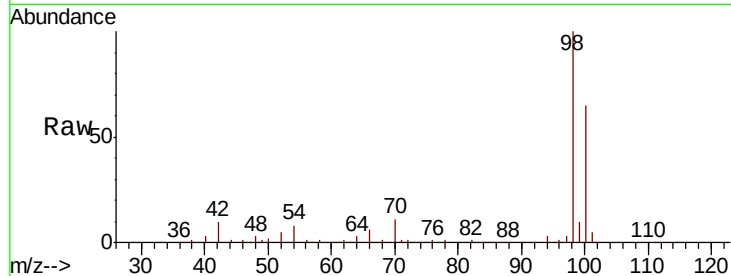




#50
Toluene-d8
Concen: 47.13 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

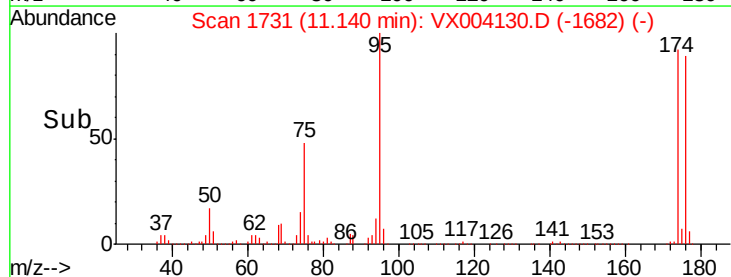
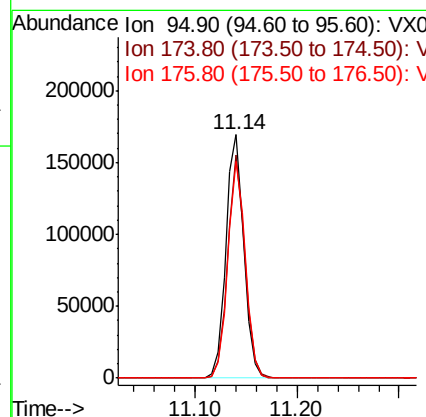
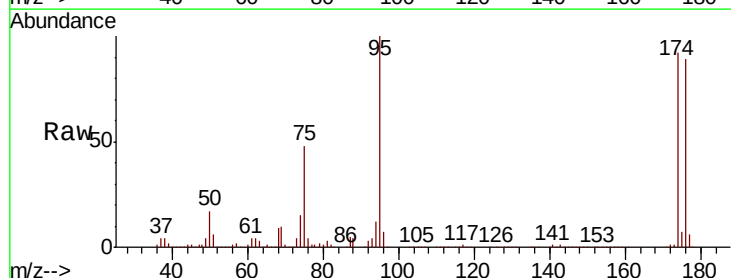
Instrument :
MSVOA_X
ClientSampleId :

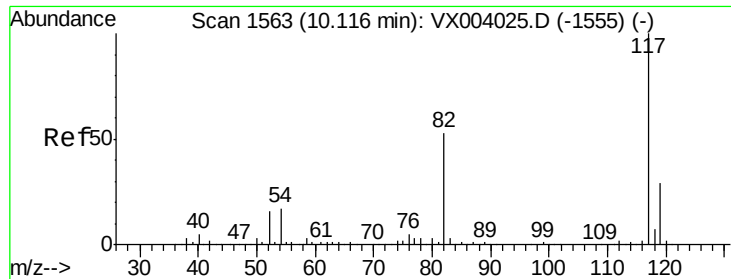
Tot Ion: 98 Resp: 601086
Ion Ratio Lower Upper
98 100
100 65.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

Tgt Ion: 95 Resp: 207440
Ion Ratio Lower Upper
95 100
174 88.1 0.0 182.8
176 87.3 0.0 179.0

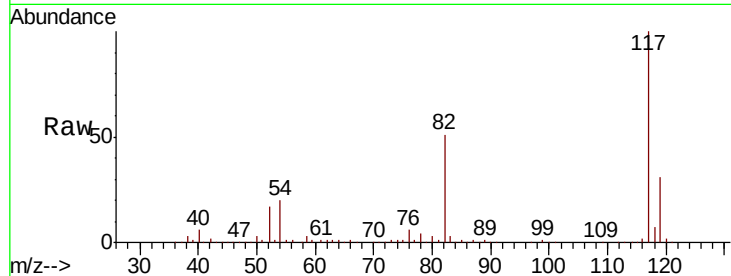




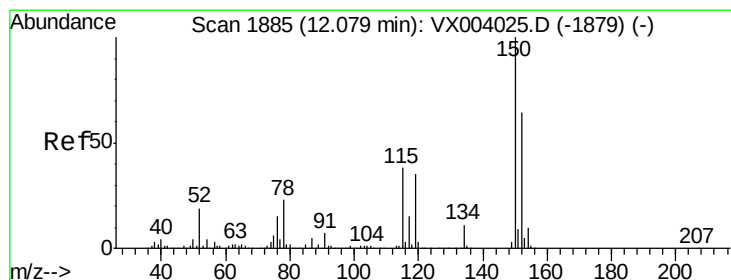
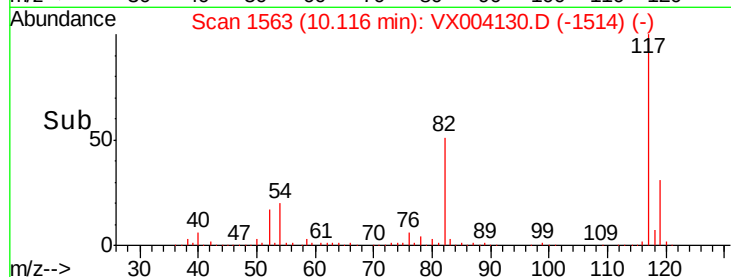
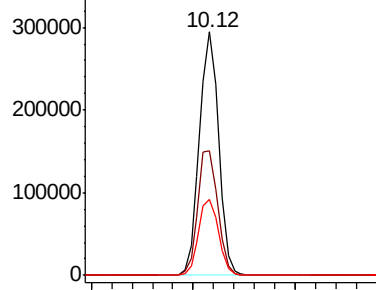
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 385482
Ion Ratio Lower Upper
117 100
82 51.0 45.4 68.0
119 31.2 26.6 40.0

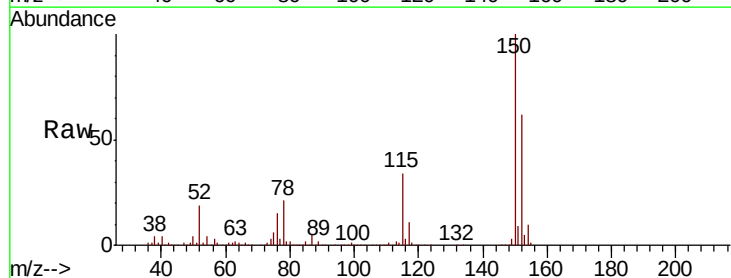


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

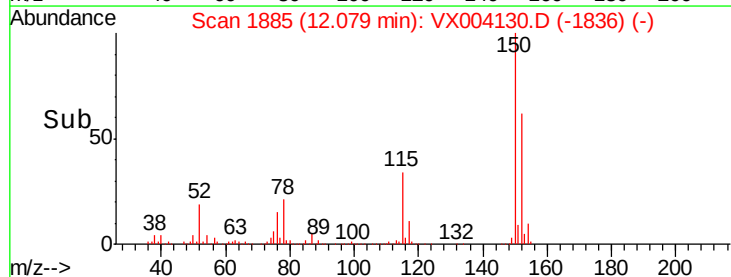
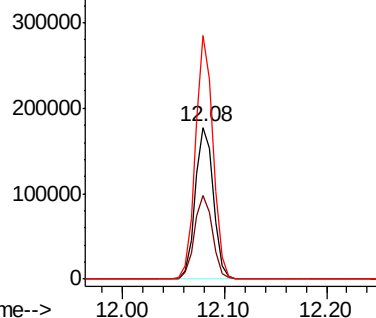


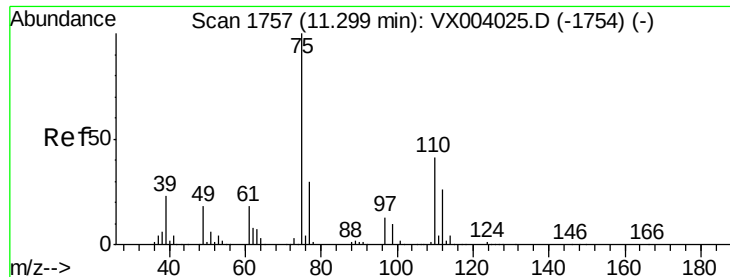
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004130.D
Acq: 17 Aug 2018 14:23

Tgt Ion:152 Resp: 219052
Ion Ratio Lower Upper
152 100
115 55.0 39.1 117.3
150 155.1 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: 22.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004130.D

Acq: 17 Aug 2018 14:23

Instrument :

MSVOA_X

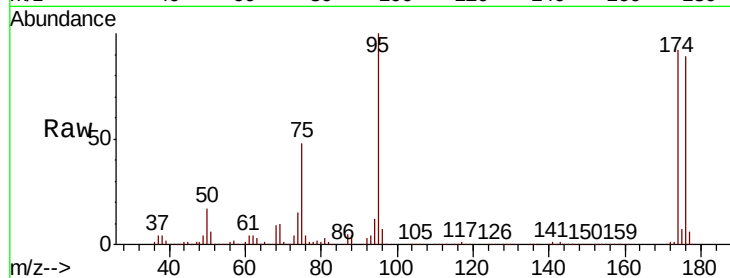
ClientSampleId :

Tot Ion: 75 Resp: 100732

Ion Ratio Lower Upper

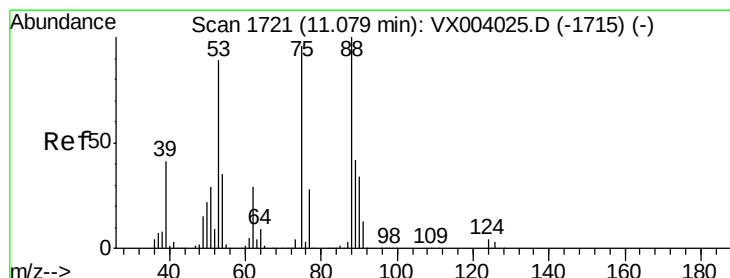
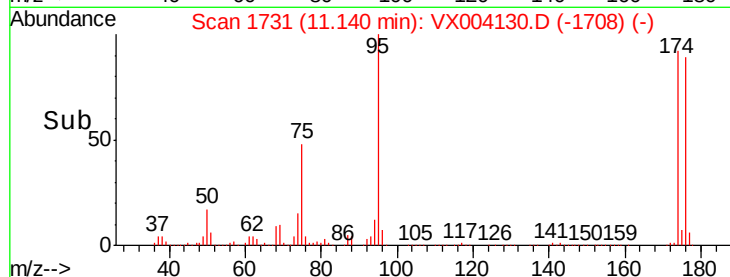
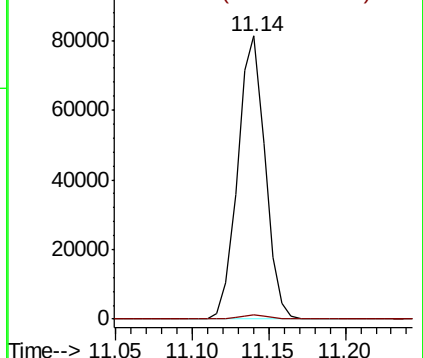
75 100

77 1.6 20.8 62.5#



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: 70.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004130.D

Acq: 17 Aug 2018 14:23

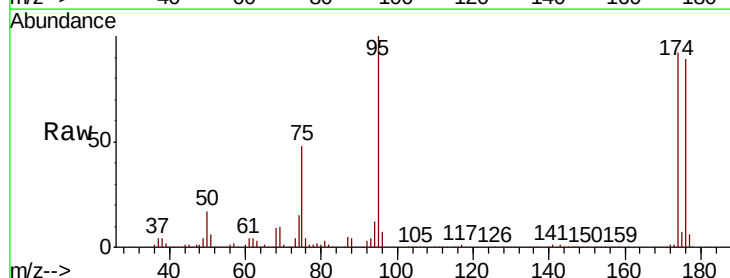
Tgt Ion: 75 Resp: 100732

Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

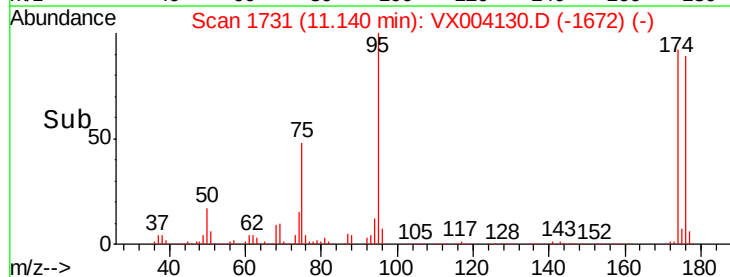
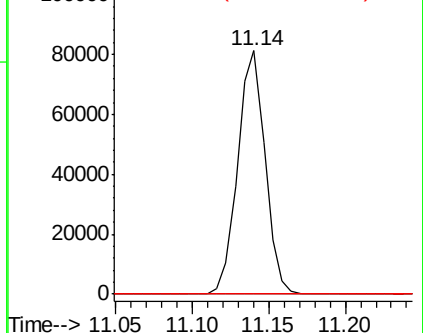
89 0.0 37.8 56.8#

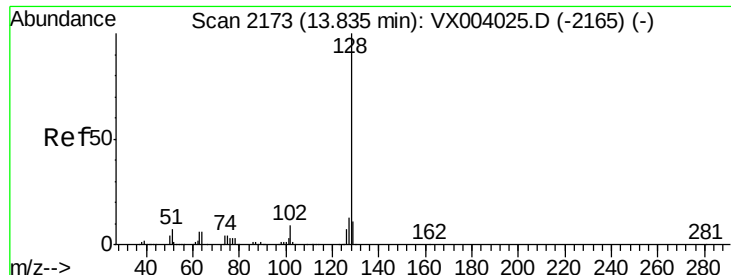


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
 Naphthalene
 Concen: 1.17 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX004130.D
 Acq: 17 Aug 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

