

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082818\
 Data File : VX004271.D
 Acq On : 28 Aug 2018 16:37
 Operator : JC/MD
 Sample : J4270-03
 Misc : 6.42g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-01-082318

Quant Time: Aug 28 16:55:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	248152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	385568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	233933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	166956	51.62	ug/l	0.00
Spiked Amount						
Recovery						
35) Dibromofluoromethane	5.50	113	140748	49.07	ug/l	0.00
Spiked Amount						
Recovery						
50) Toluene-d8	8.71	98	540692	49.94	ug/l	0.00
Spiked Amount						
Recovery						
62) 4-Bromofluorobenzene	11.14	95	210033	51.99	ug/l	0.00
Spiked Amount						
Recovery						

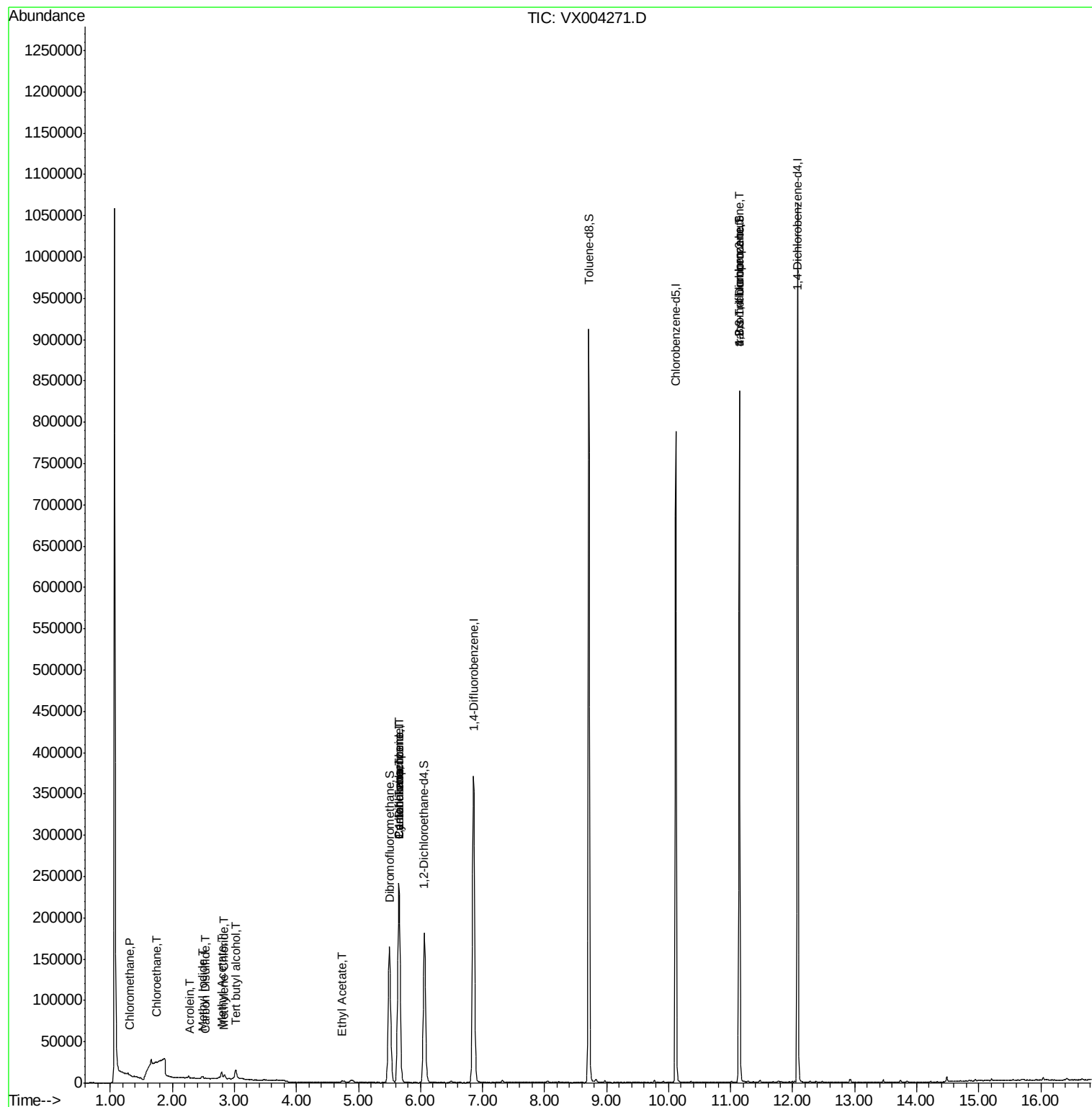
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1169	0.656	ug/l	97
5) Bromomethane	1.63	94	1342	Below Cal		98
6) Chloroethane	1.75	64	127	1.019	ug/l #	44
10) Methyl Iodide	2.48	142	1291	4.640	ug/l	98
11) Tert butyl alcohol	3.01	59	9354	13.567	ug/l #	75
13) Acrolein	2.29	56	65	0.391	ug/l #	1
16) Acetone	2.48	43	2308	Below Cal		92
17) Carbon Disulfide	2.53	76	817	0.908	ug/l #	76
18) Methyl Acetate	2.79	43	10683	2.226	ug/l	99
20) Methylene Chloride	2.84	84	2579	0.828	ug/l	96
25) 2-Butanone	4.74	43	3968	Below Cal		97
31) Cyclohexane	5.66	56	4192	0.924	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16446	3.794	ug/l #	50
37) Ethyl Acetate	4.74	43	3968	0.931	ug/l #	67
38) Carbon Tetrachloride	5.66	117	21570	5.290	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	101850	21.407	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	101850	69.457	ug/l #	10

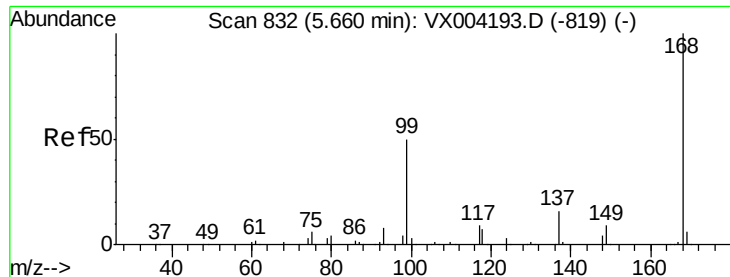
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

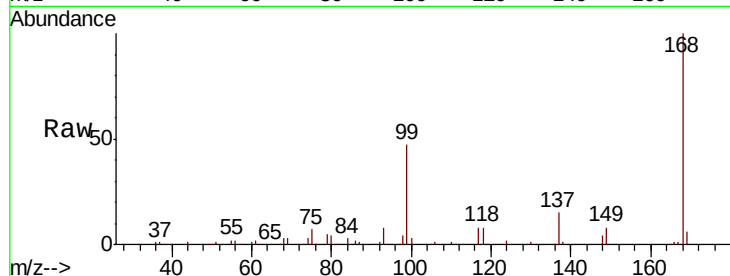
BU-01-082318

Tgt Ion: 168 Resp: 248152

Ion Ratio Lower Upper

168 100

99 47.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

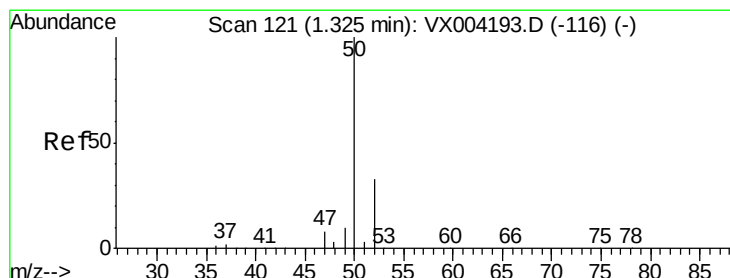
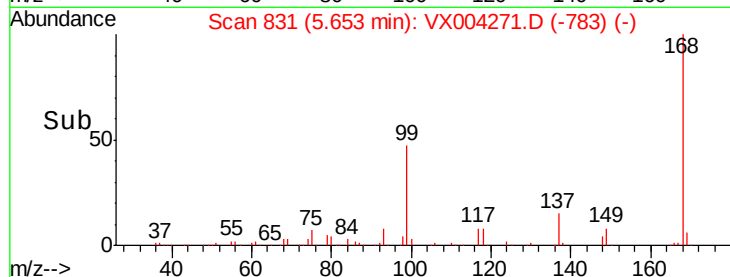
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.656 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004271.D

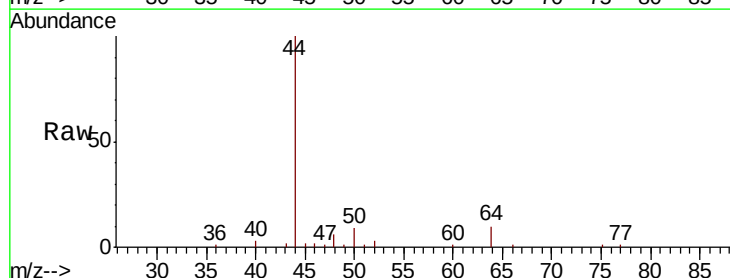
Acq: 28 Aug 2018 16:37

Tgt Ion: 50 Resp: 1169

Ion Ratio Lower Upper

50 100

52 34.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

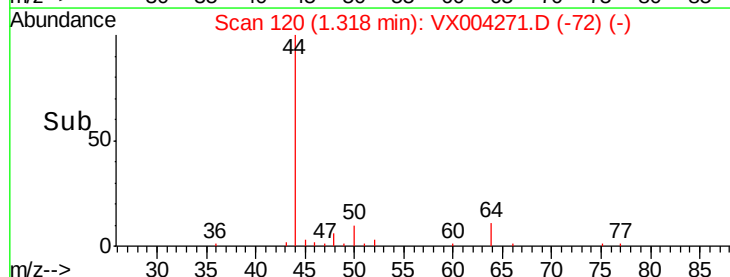
600

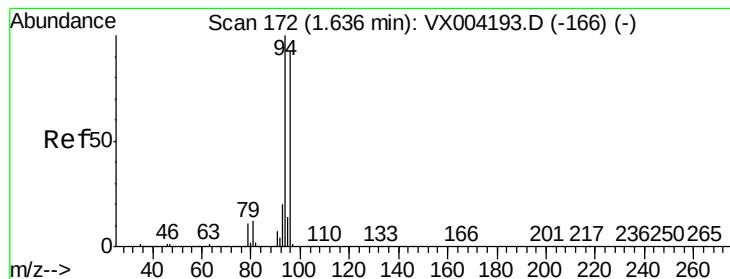
400

200

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampled :

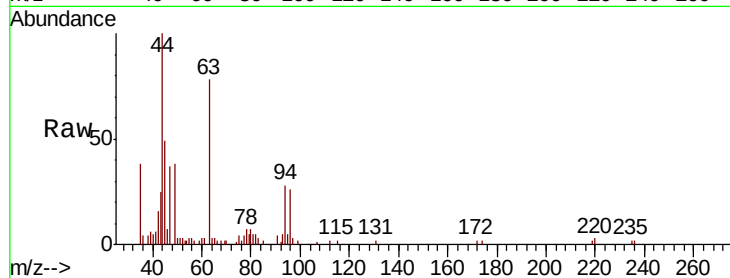
BU-01-082318

Tgt Ion: 94 Resp: 1342

Ion Ratio Lower Upper

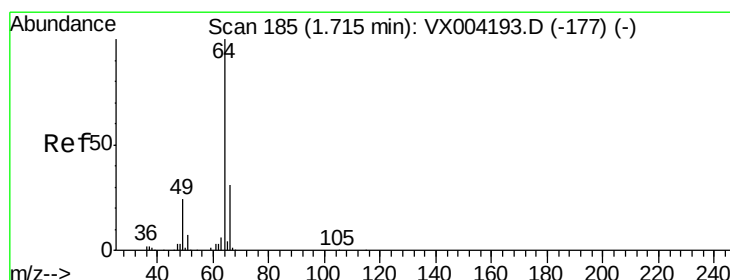
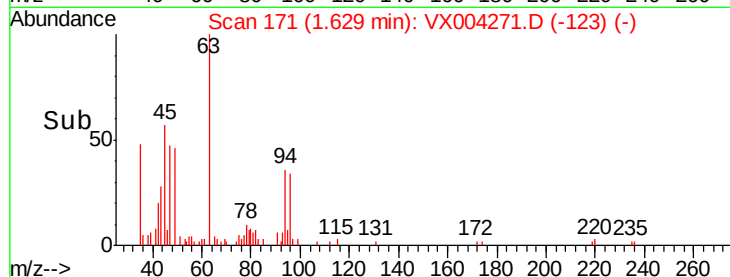
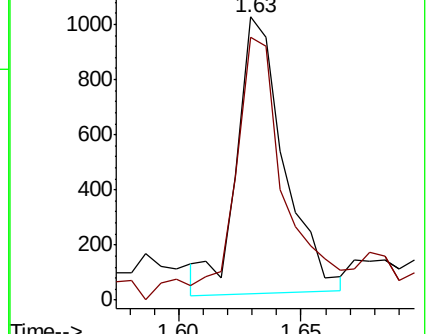
94 100

96 95.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.019 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.03 min

Lab File: VX004271.D

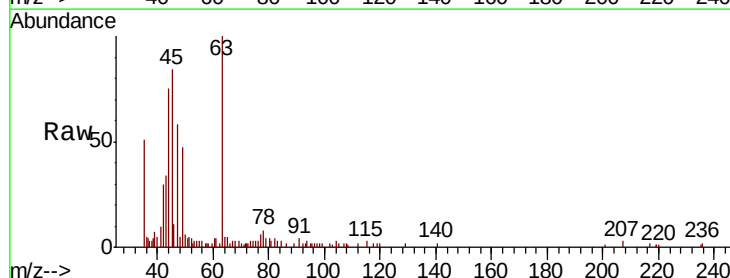
Acq: 28 Aug 2018 16:37

Tgt Ion: 64 Resp: 127

Ion Ratio Lower Upper

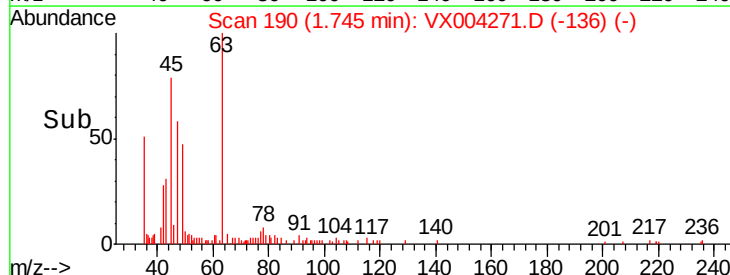
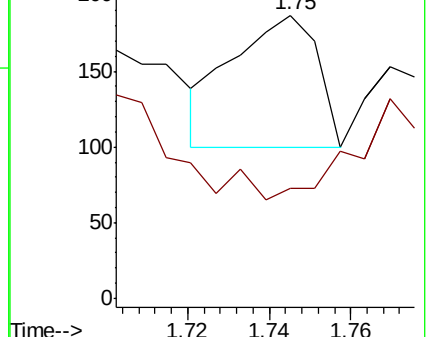
64 100

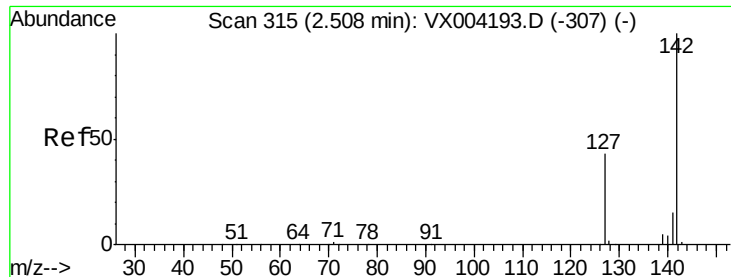
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

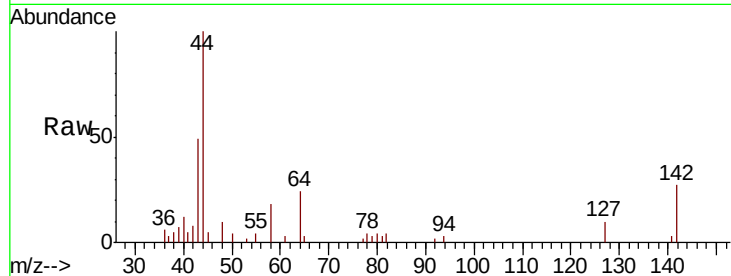




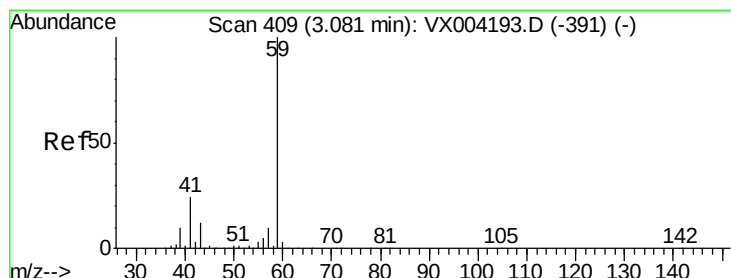
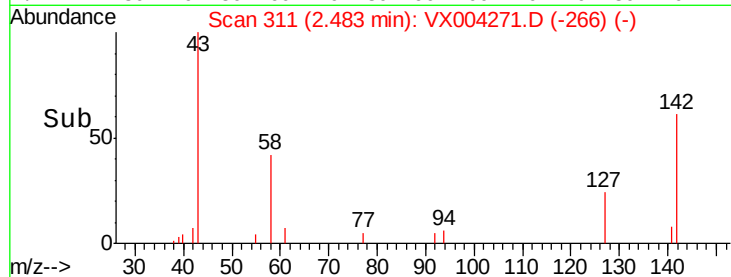
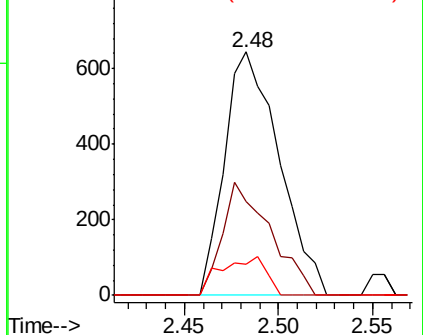
#10
Methyl Iodide
Concen: 4.640 ug/l
RT: 2.48 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
BU-01-082318

Tgt Ion:142 Resp: 1291
Ion Ratio Lower Upper
142 100
127 41.1 33.8 50.6
141 13.1 11.4 17.0

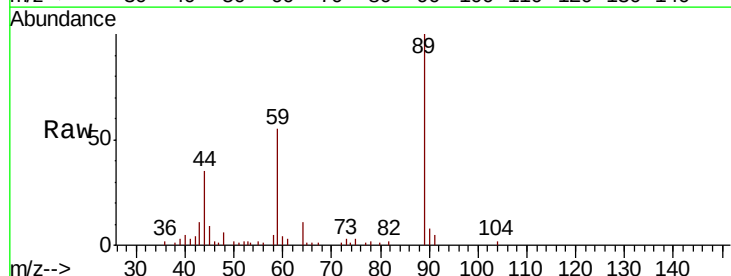


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

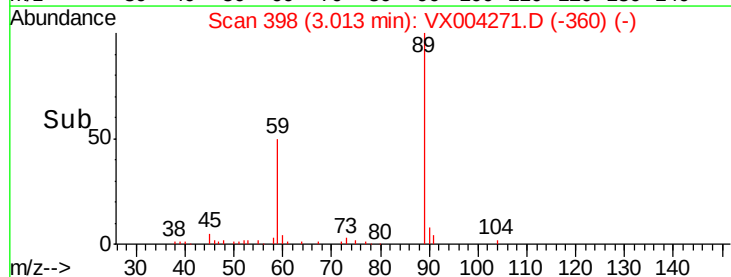
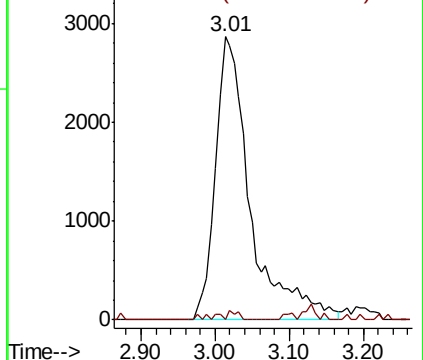


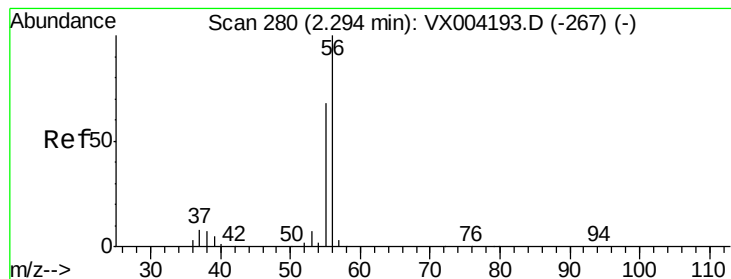
#11
Tert butyl alcohol
Concen: 13.567 ug/l
RT: 3.01 min Scan# 398
Delta R.T. -0.07 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

Tgt Ion: 59 Resp: 9354
Ion Ratio Lower Upper
59 100
57 0.9 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: 0.391 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

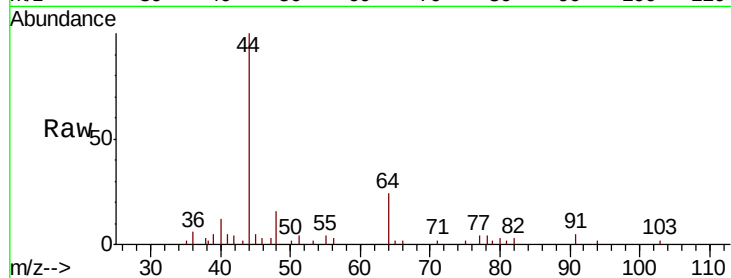
BU-01-082318

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

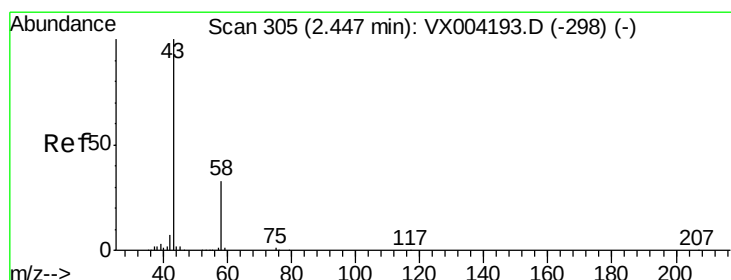
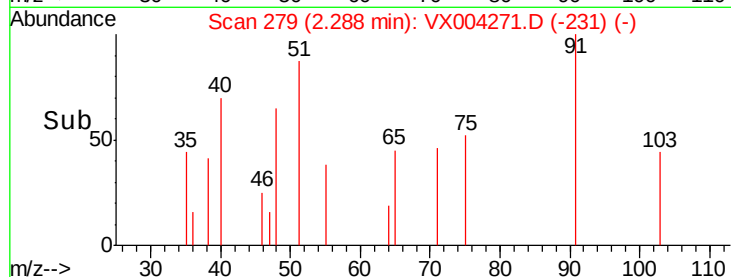
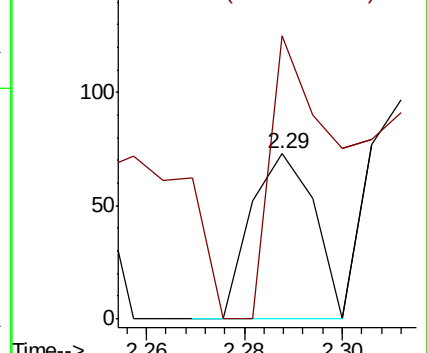
56 100

55 163.1 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.48 min Scan# 310

Delta R.T. 0.03 min

Lab File: VX004271.D

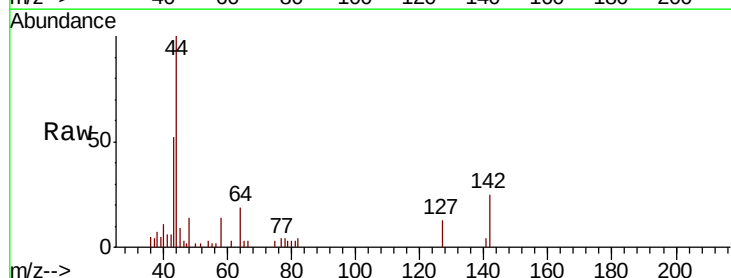
Acq: 28 Aug 2018 16:37

Tgt Ion: 43 Resp: 2308

Ion Ratio Lower Upper

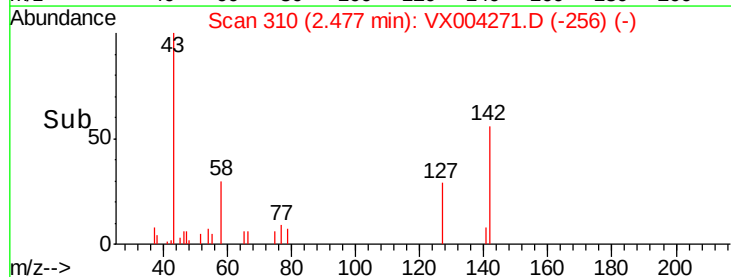
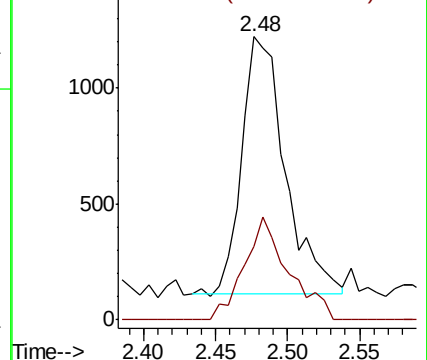
43 100

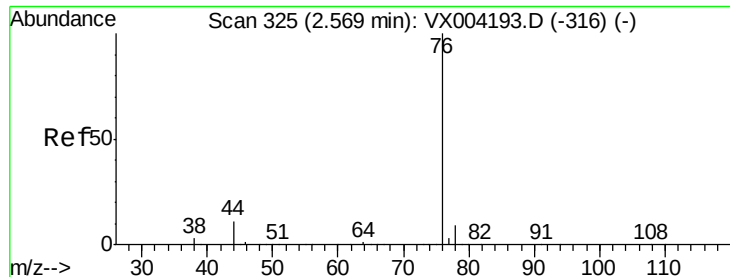
58 28.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.908 ug/l

RT: 2.53 min Scan# 319

Delta R.T. -0.04 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampled :

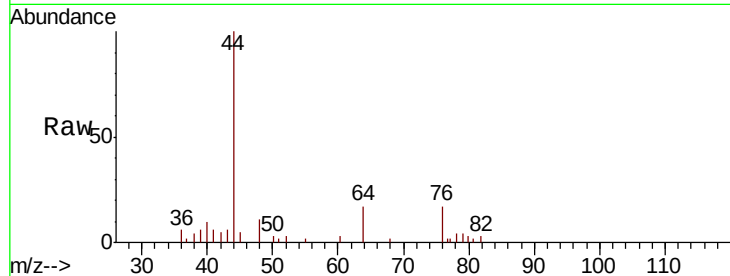
BU-01-082318

Tgt Ion: 76 Resp: 817

Ion Ratio Lower Upper

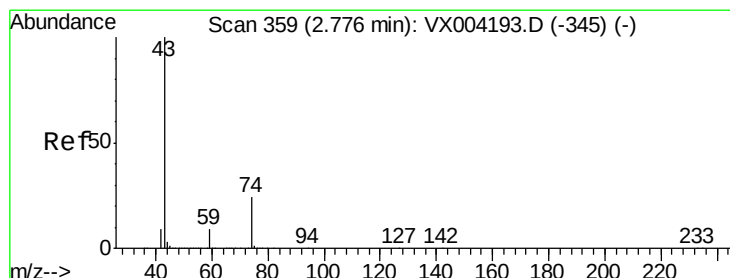
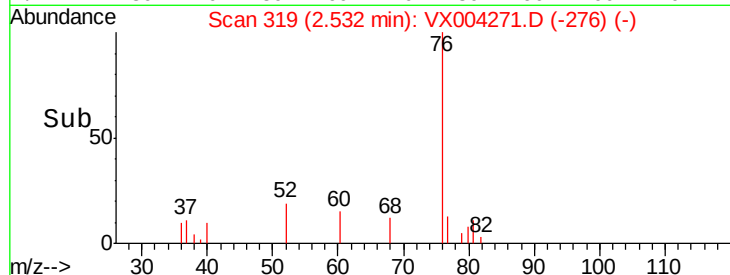
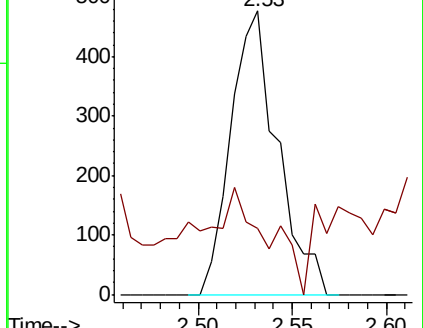
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 2.226 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.02 min

Lab File: VX004271.D

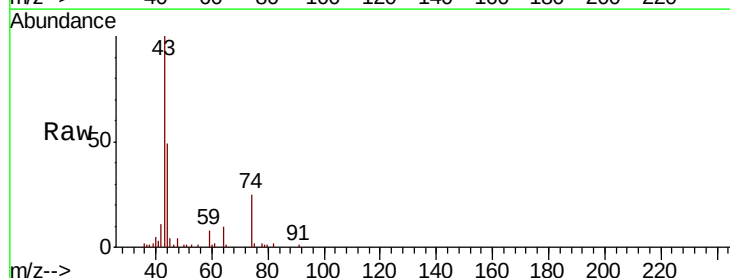
Acq: 28 Aug 2018 16:37

Tgt Ion: 43 Resp: 10683

Ion Ratio Lower Upper

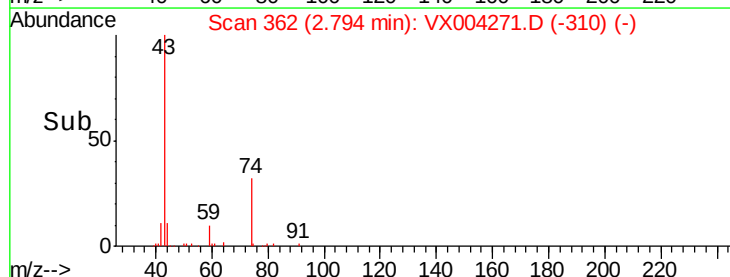
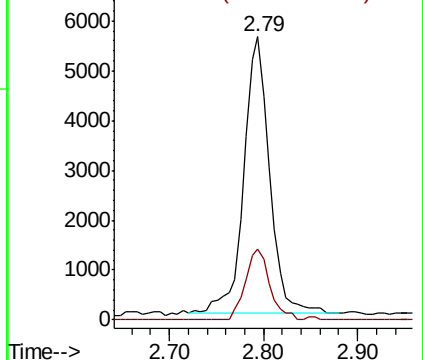
43 100

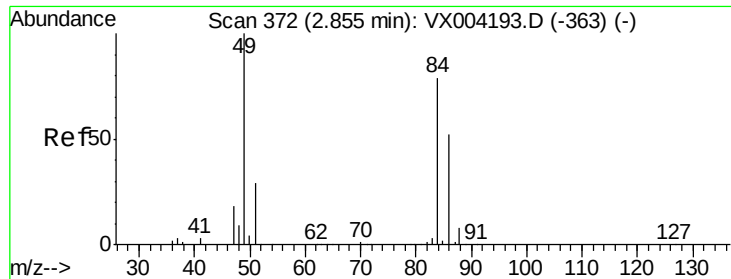
74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

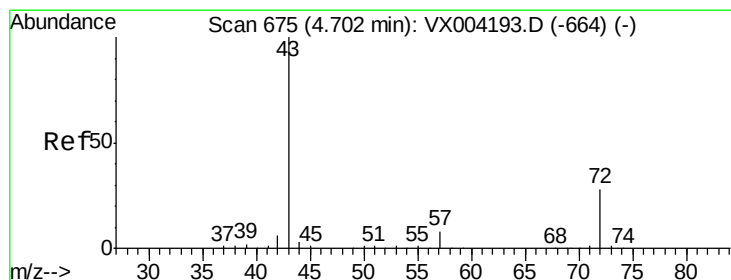
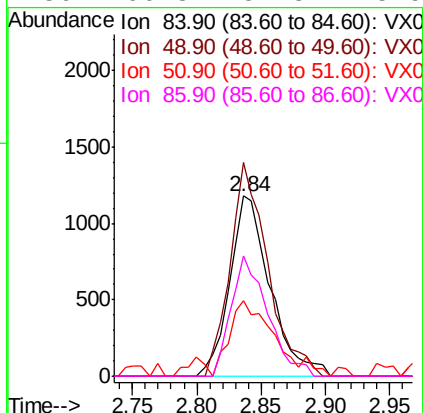
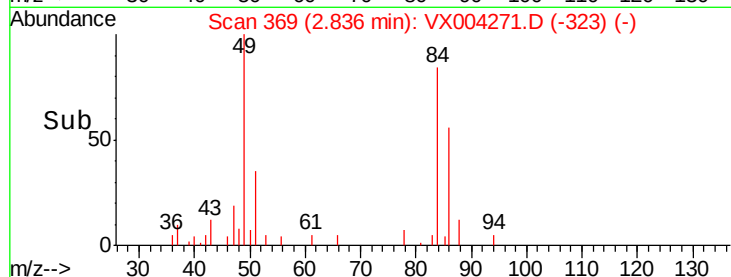
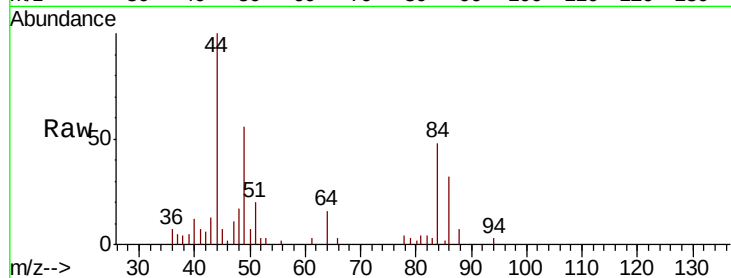




#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.84 min Scan# 369
Delta R.T. -0.02 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

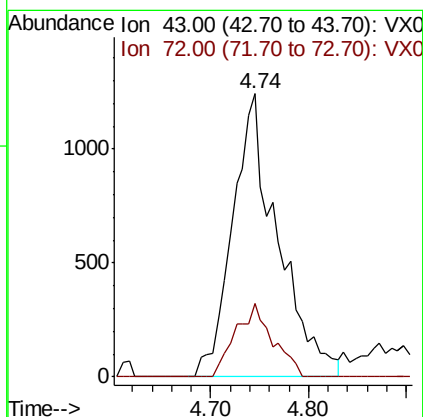
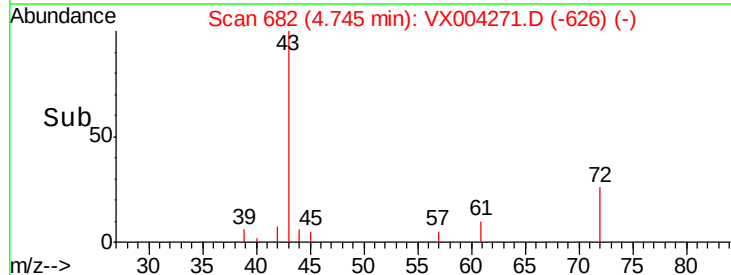
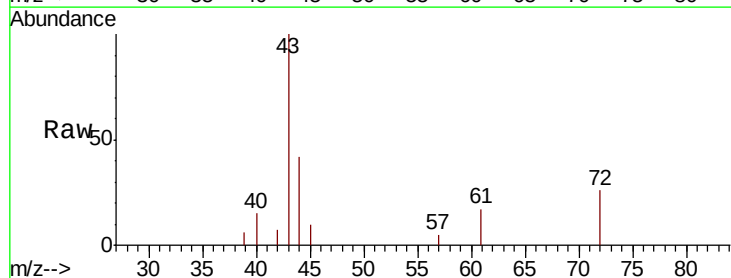
Instrument :
MSVOA_X
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BU-01-082318

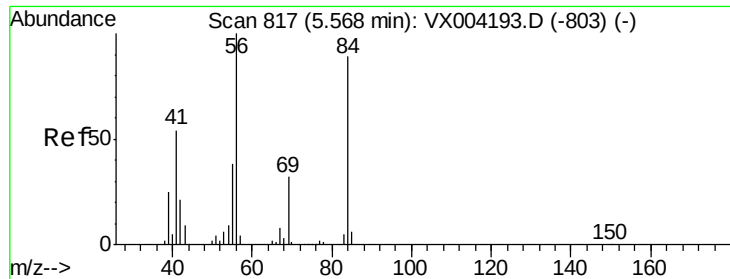
Tgt Ion: 84 Resp: 2579
Ion Ratio Lower Upper
84 100
49 118.4 101.2 151.8
51 37.1 29.5 44.3
86 66.8 52.3 78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.74 min Scan# 682
Delta R.T. 0.04 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

Tgt Ion: 43 Resp: 3968
Ion Ratio Lower Upper
43 100
72 26.1 22.0 33.0

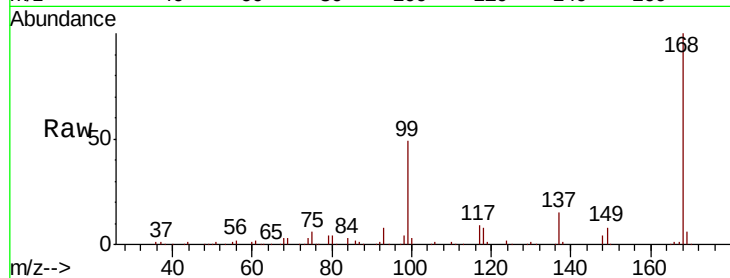




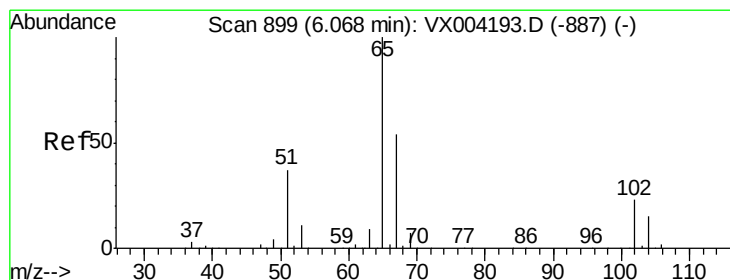
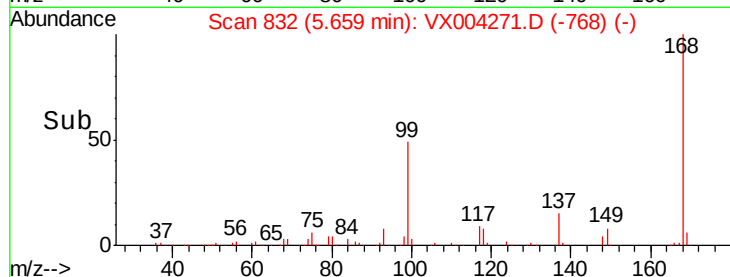
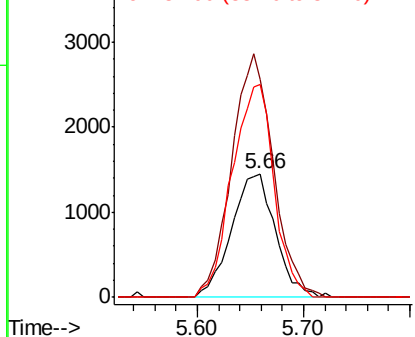
#31
Cyclohexane
Concen: 0.924 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
BU-01-082318

Tgt Ion: 56 Resp: 4192
Ion Ratio Lower Upper
56 100
69 176.9 25.4 38.2#
84 172.4 71.4 107.2#

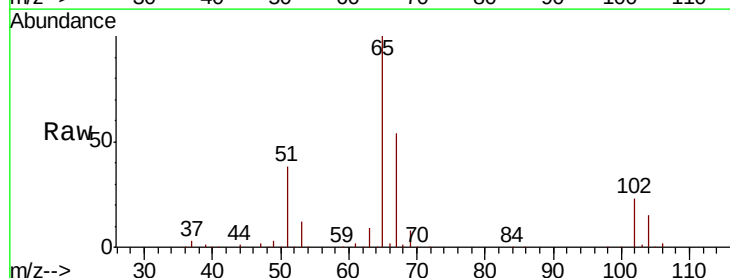


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

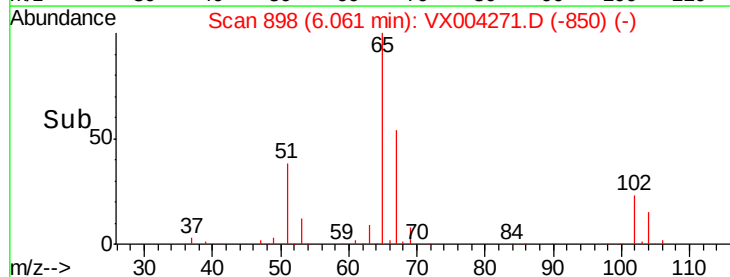
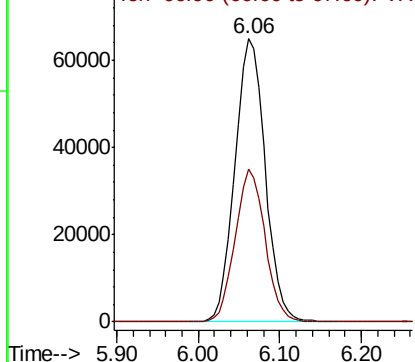


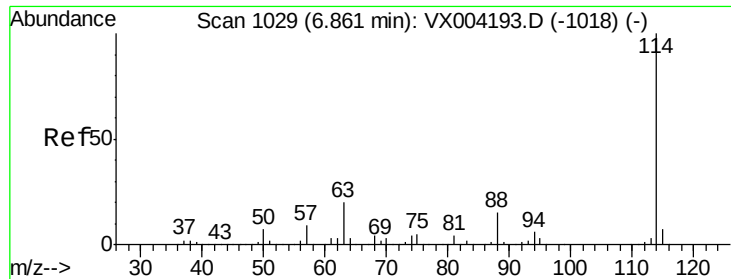
#33
1,2-Dichloroethane-d4
Concen: 51.620 ug/l
RT: 6.06 min Scan# 898
Delta R.T. -0.01 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

Tgt Ion: 65 Resp: 166956
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BU-01-082318

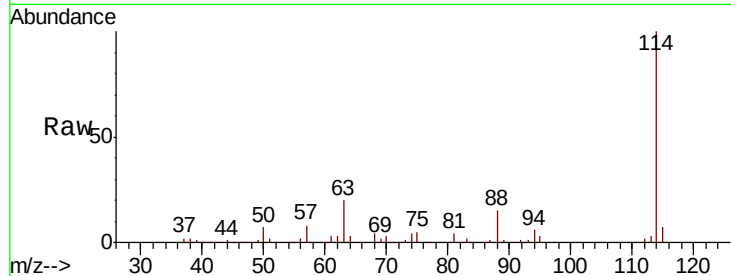
Tgt Ion:114 Resp: 385568

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

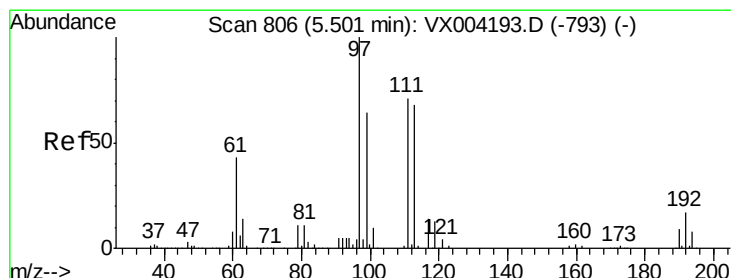
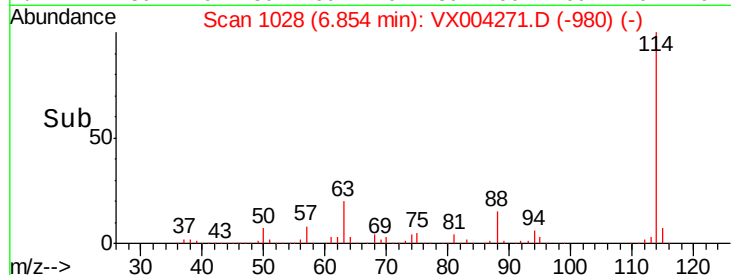
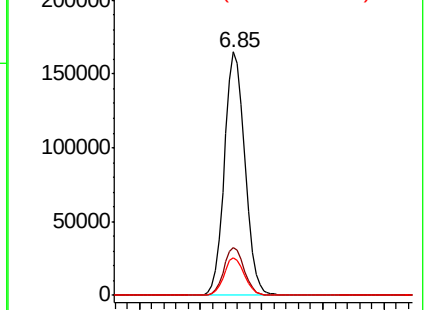
88 15.4 0.0 30.4



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: 49.069 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

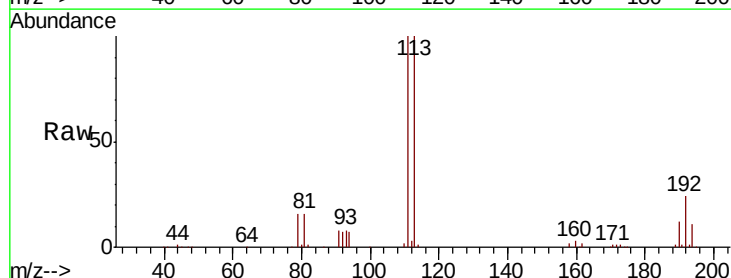
Tgt Ion:113 Resp: 140748

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

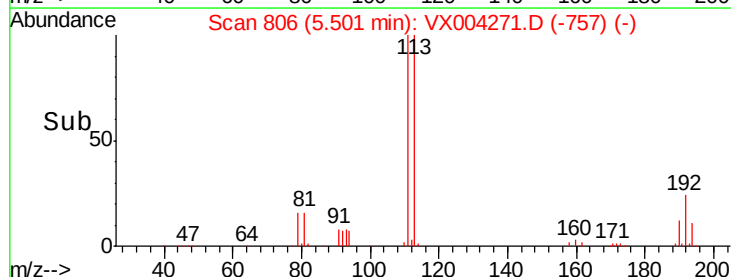
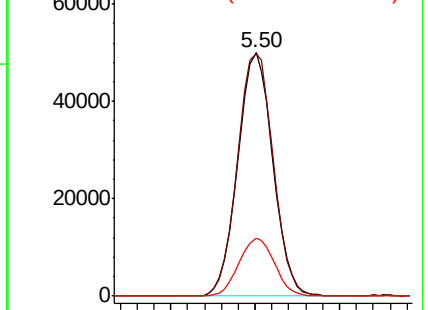
192 23.9 19.4 29.2

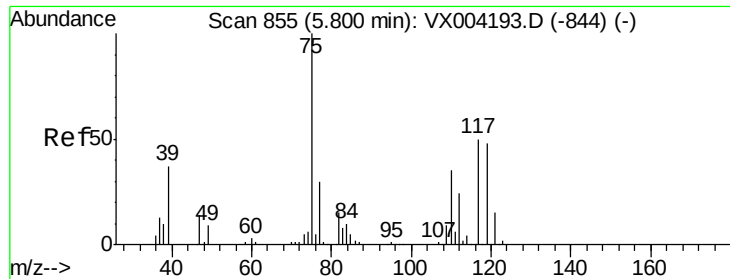


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

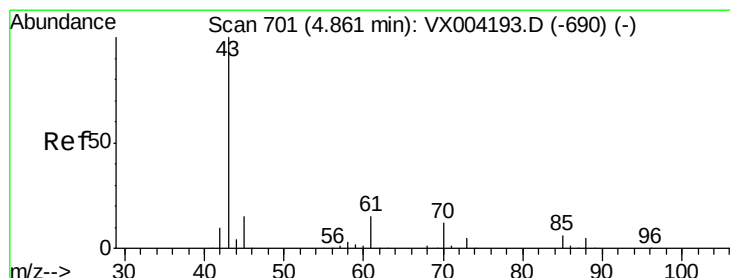
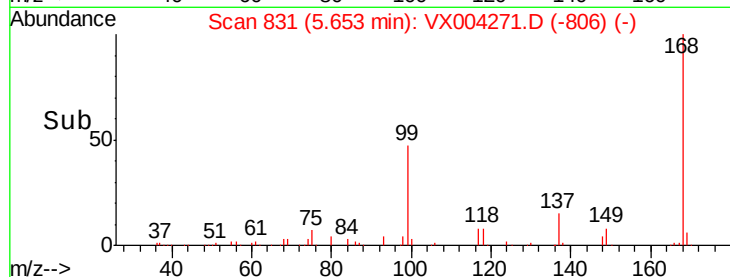
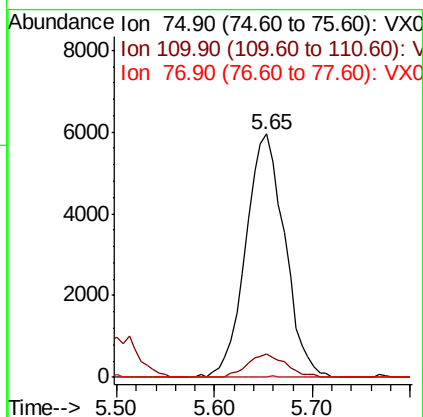
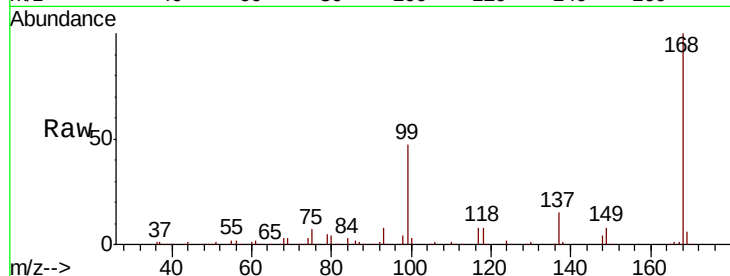




#36
 1,1-Dichloropropene
 Concen: 3.794 ug/l
 RT: 5.65 min Scan# 831
 Delta R.T. -0.15 min
 Lab File: VX004271.D
 Acq: 28 Aug 2018 16:37

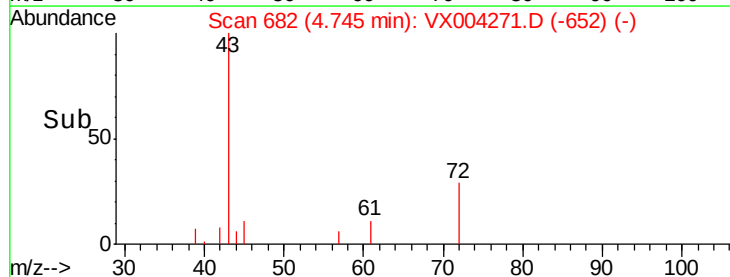
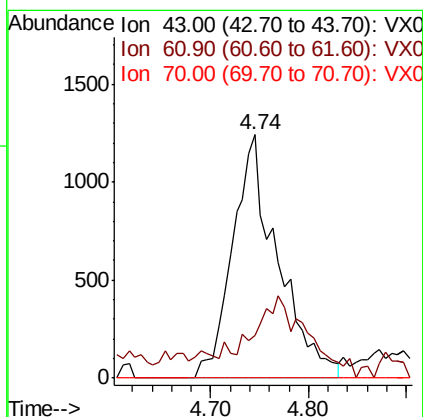
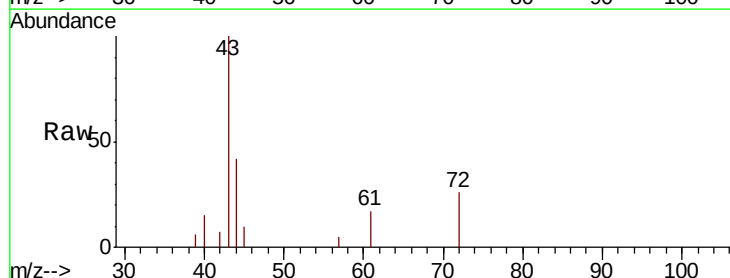
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-01-082318

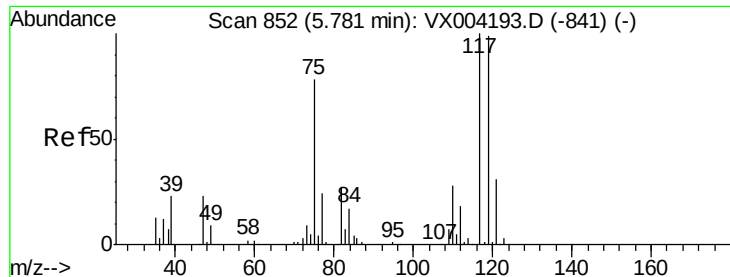
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.1	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.931 ug/l
 RT: 4.74 min Scan# 682
 Delta R.T. -0.12 min
 Lab File: VX004271.D
 Acq: 28 Aug 2018 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	9.0	13.6#

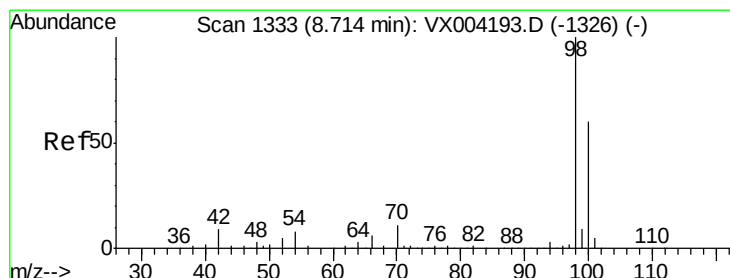
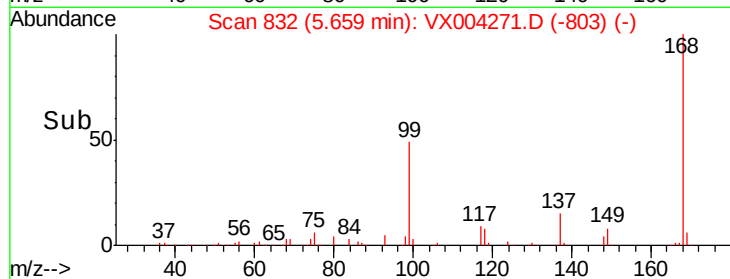
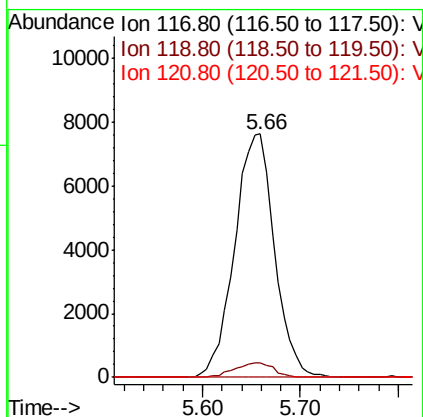
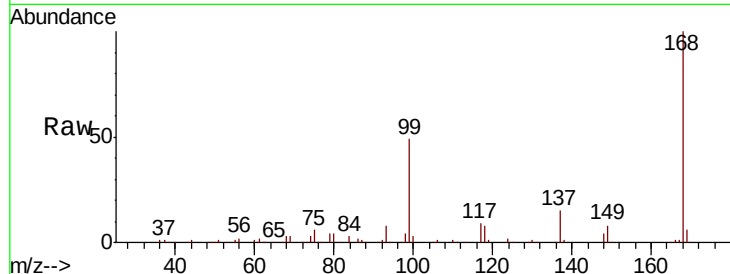




#38
Carbon Tetrachloride
Concen: 5.290 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

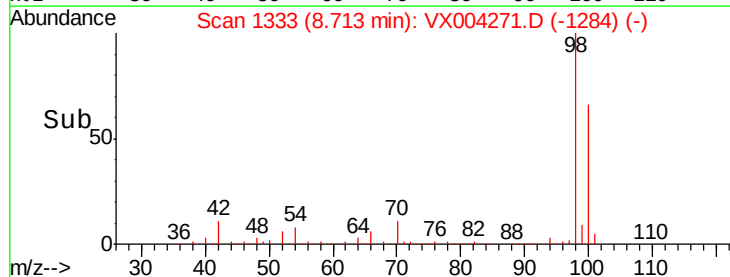
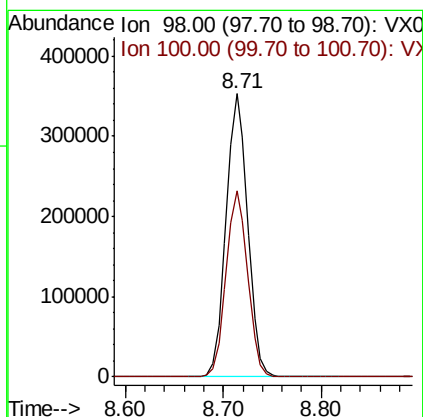
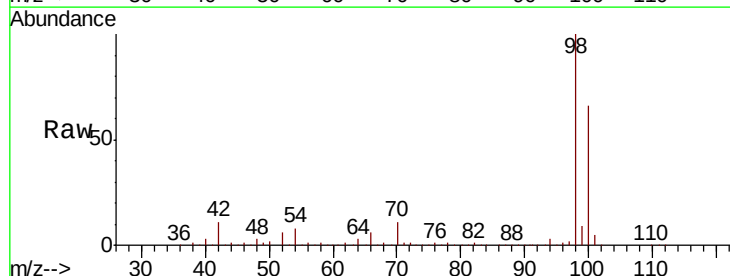
Instrument :
MSVOA_X
ClientSampleId :
BU-01-082318

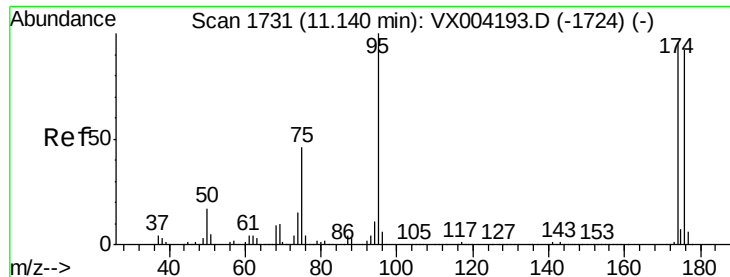
Tgt Ion:117 Resp: 21570
Ion Ratio Lower Upper
117 100
119 6.0 78.8 118.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 49.939 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004271.D
Acq: 28 Aug 2018 16:37

Tgt Ion: 98 Resp: 540692
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 51.990 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BU-01-082318

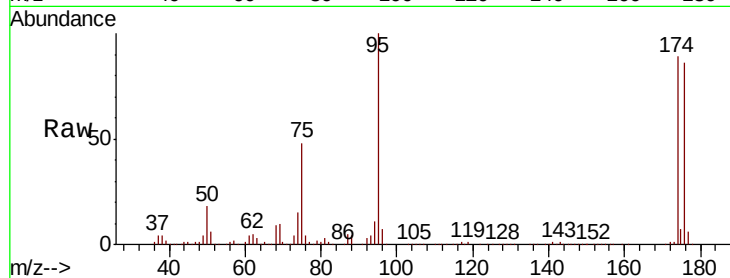
Tgt Ion: 95 Resp: 210033

Ion Ratio Lower Upper

95 100

174 94.0 0.0 185.2

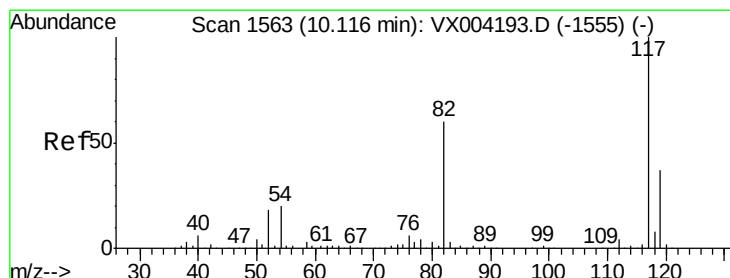
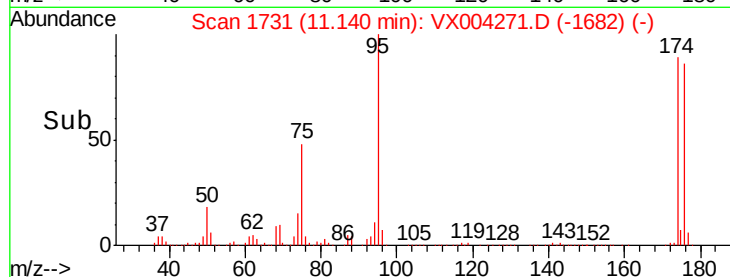
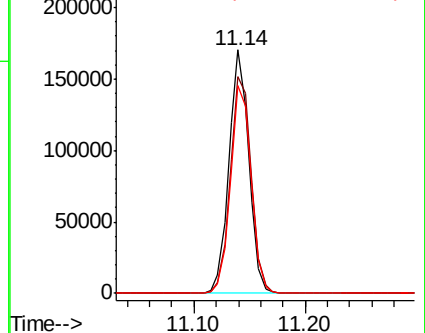
176 88.6 0.0 178.6



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: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

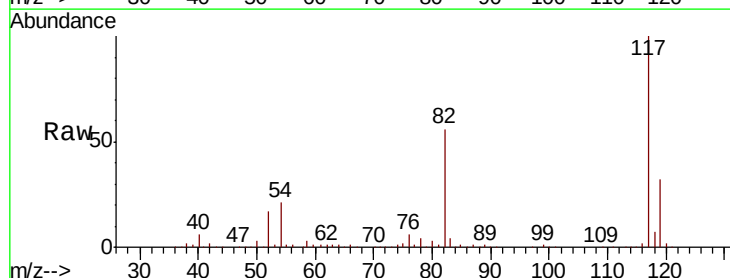
Tgt Ion: 117 Resp: 369932

Ion Ratio Lower Upper

117 100

82 56.2 47.8 71.6

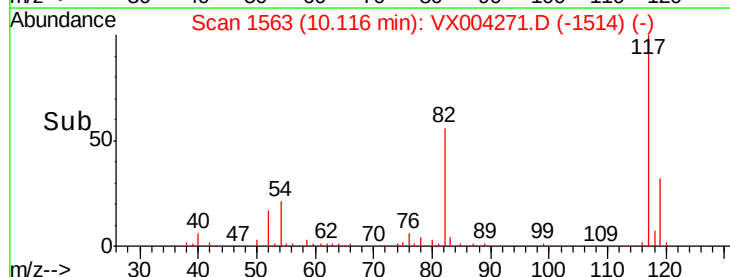
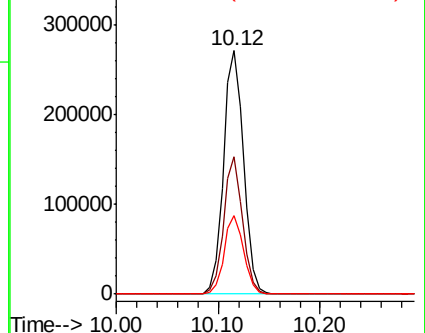
119 32.3 29.3 43.9

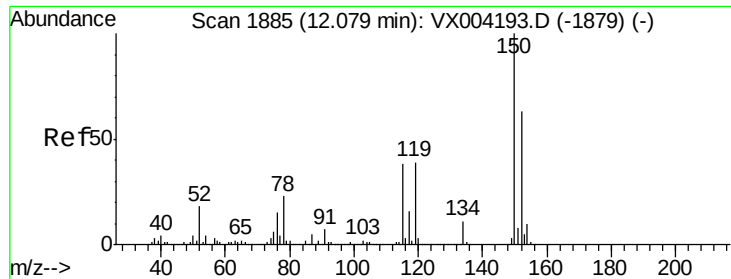


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BU-01-082318

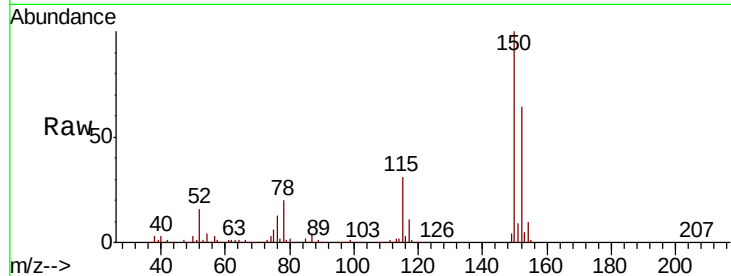
Tgt Ion:152 Resp: 233933

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

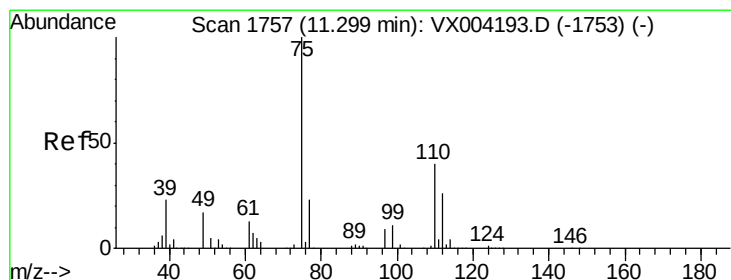
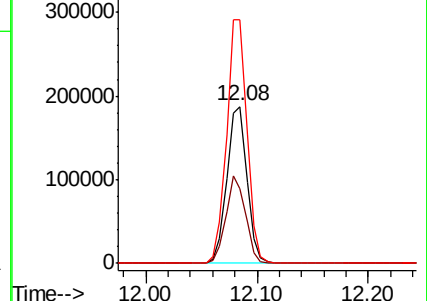
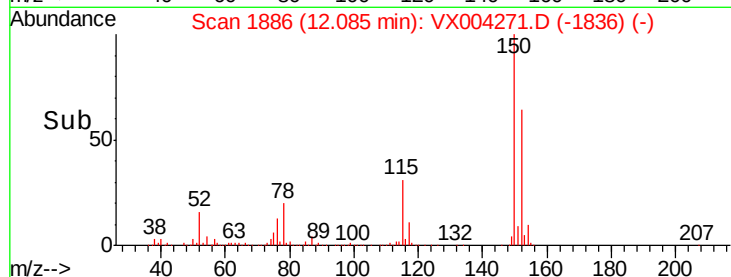
150 157.4 0.0 351.0



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: 21.407 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004271.D

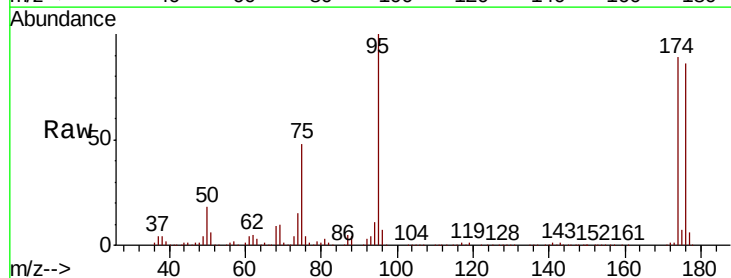
Acq: 28 Aug 2018 16:37

Tgt Ion: 75 Resp: 101850

Ion Ratio Lower Upper

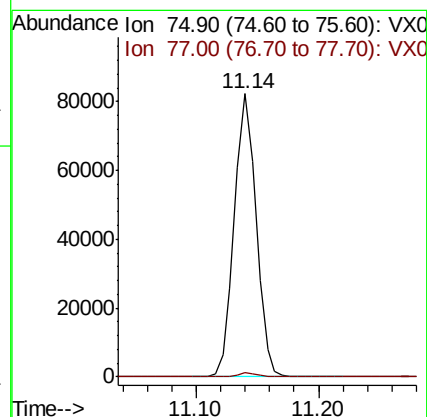
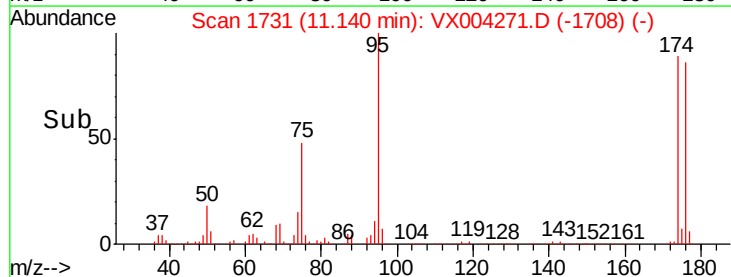
75 100

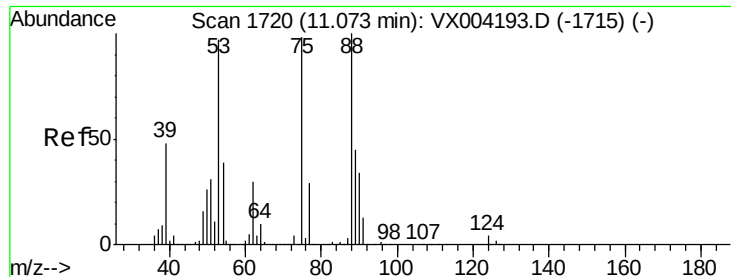
77 1.4 20.2 60.6#



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: 69.457 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004271.D

Acq: 28 Aug 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BU-01-082318

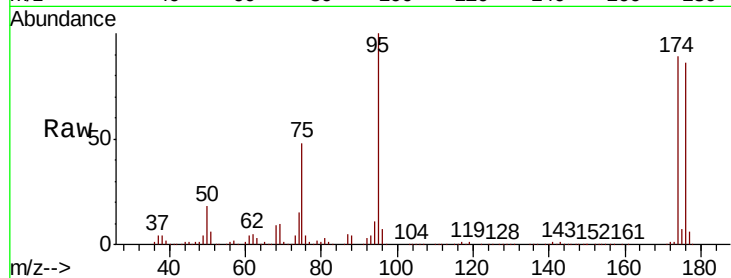
Tgt Ion: 75 Resp: 101850

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

