

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005314.D
 Acq On : 13 Oct 2018 01:24
 Operator : JC/MD
 Sample : J5393-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP05-20181008DL

Quant Time: Oct 13 04:08:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	288576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389237	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171202	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	158450	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	5.50	113	126442	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.72	98	467414	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.14	95	151339	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

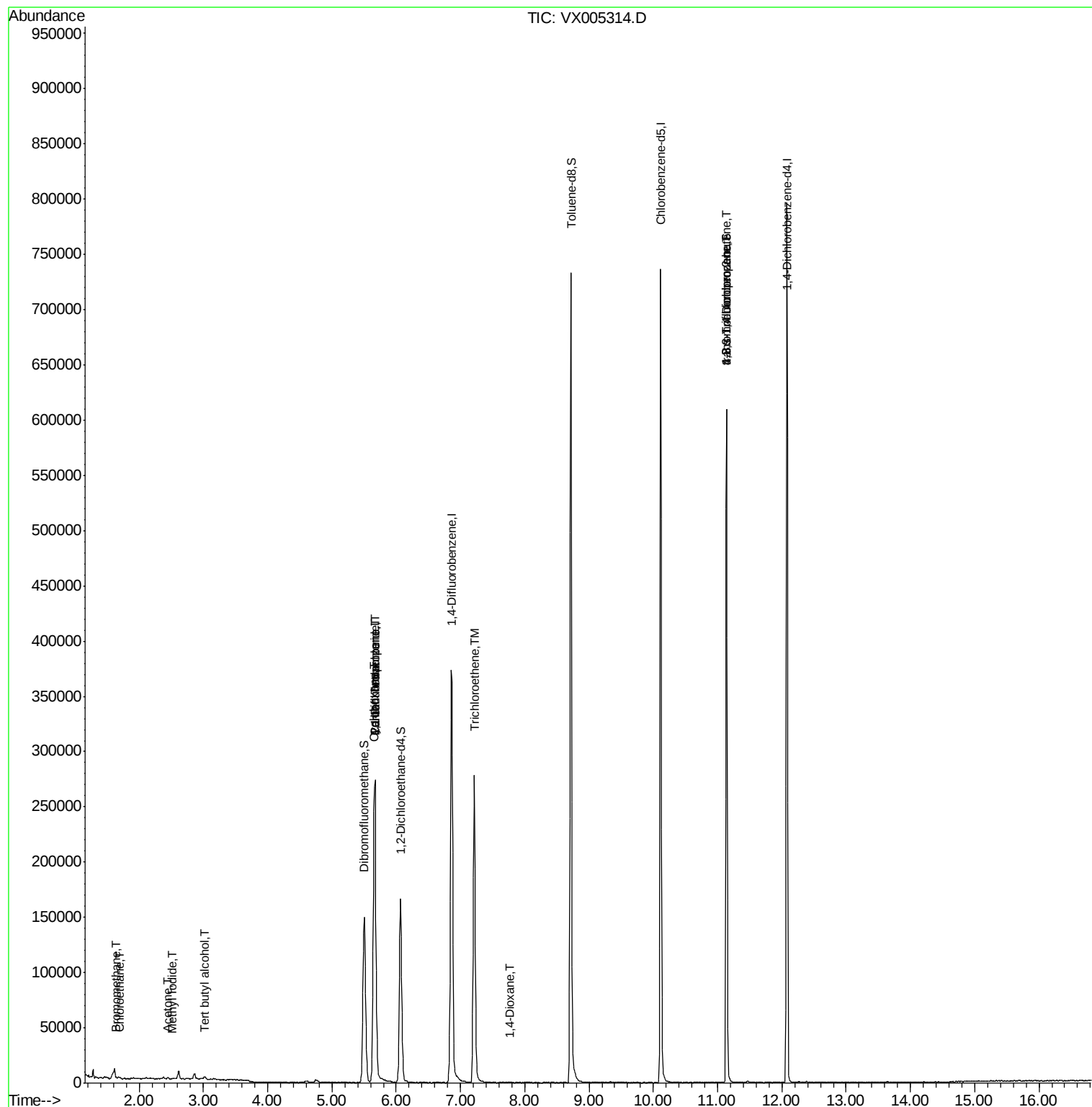
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	537	0.868	ug/l #	73
6) Chloroethane	1.70	64	30	0.349	ug/l #	1
10) Methyl Iodide	2.51	142	478	2.651	ug/l #	82
11) Tert butyl alcohol	3.01	59	1473	1.630	ug/l #	85
13) Acrolein	2.30	56	190	Below Cal		85
16) Acetone	2.45	43	1537	0.830	ug/l	93
20) Methylene Chloride	2.86	84	2105	Below Cal		97
31) Cyclohexane	5.66	56	5233	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19020	5.045	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24607	6.496	ug/l #	15
44) Trichloroethene	7.21	130	114027	39.358	ug/l	93
49) 1,4-Dioxane	7.76	88	19	0.246	ug/l #	5
76) 1,2,3-Trichloropropane	11.14	75	74927	22.563	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74927	68.556	ug/l #	10

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

Instrument :

MSVOA_X

ClientSampleId :

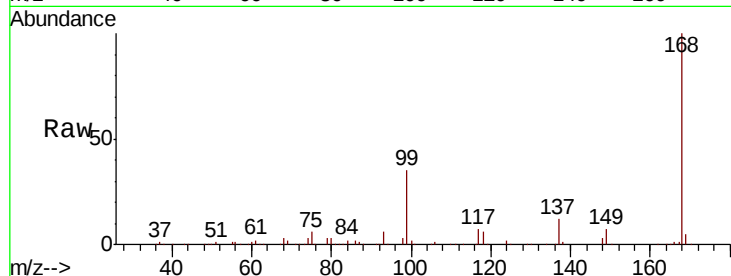
TT-DUP05-20181008DL

Tot Ion:168 Resp: 288576

Ion Ratio Lower Upper

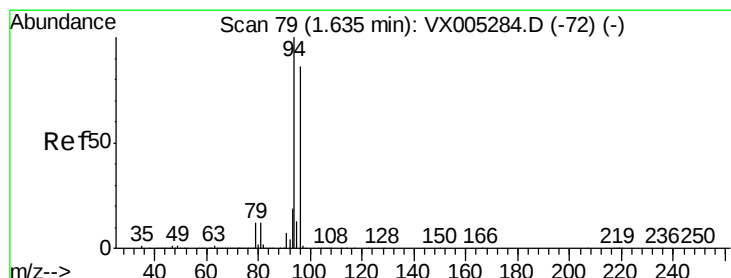
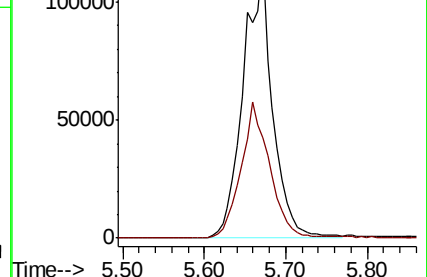
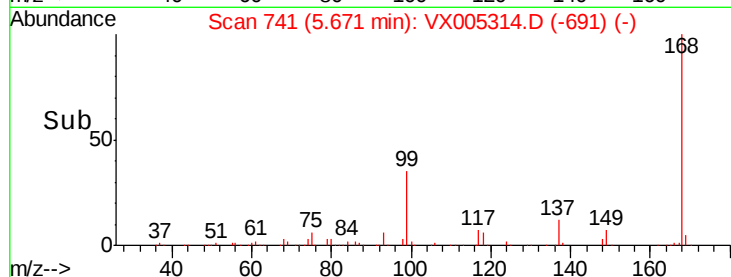
168 100

99 35.5 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.868 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005314.D

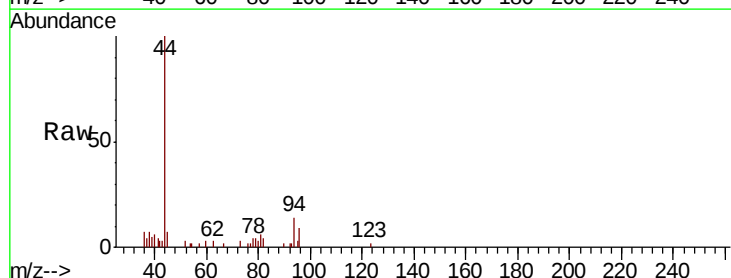
Acq: 13 Oct 2018 01:24

Tgt Ion: 94 Resp: 537

Ion Ratio Lower Upper

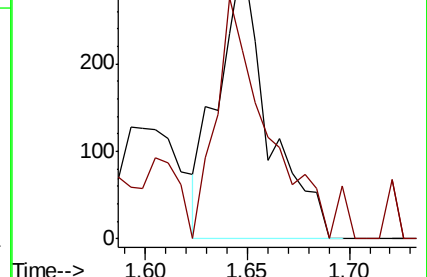
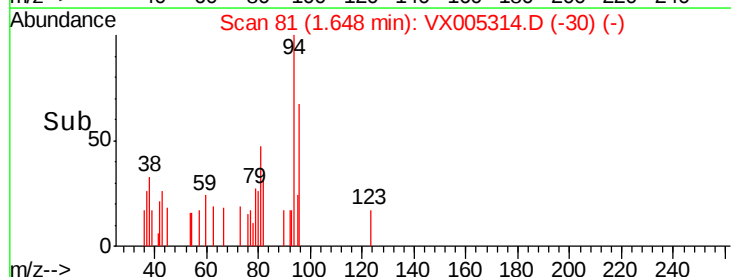
94 100

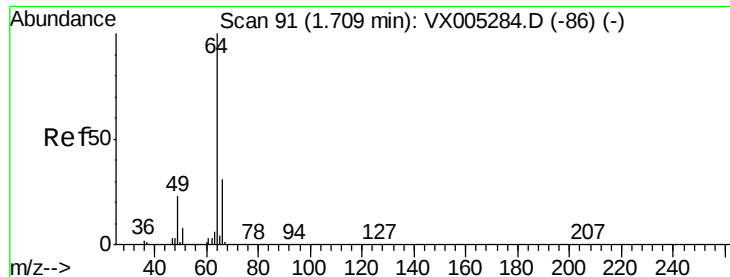
96 66.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.349 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

Instrument :

MSVOA_X

ClientSampleId :

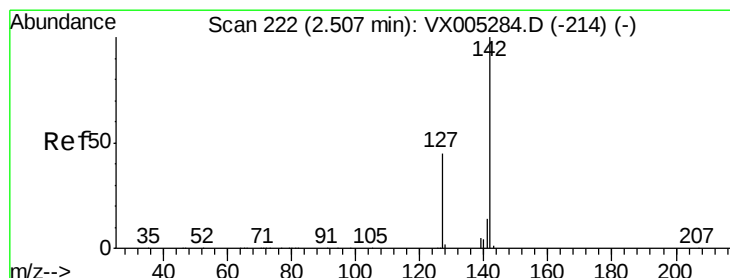
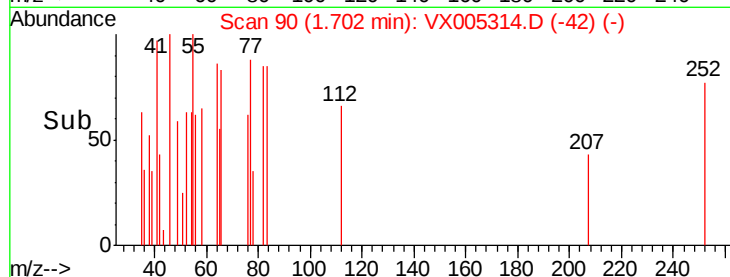
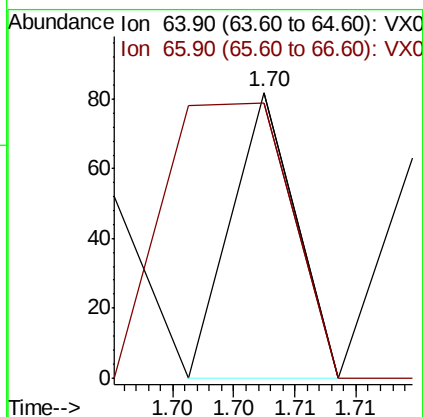
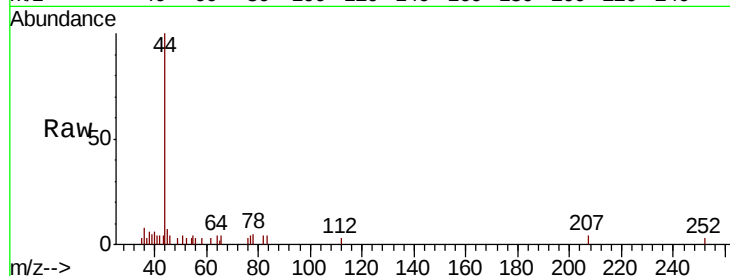
TT-DUP05-20181008DL

Tot Ion: 64 Resp: 30

Ion Ratio Lower Upper

64 100

66 96.3 24.6 36.8#



#10

Methyl Iodide

Concen: 2.651 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

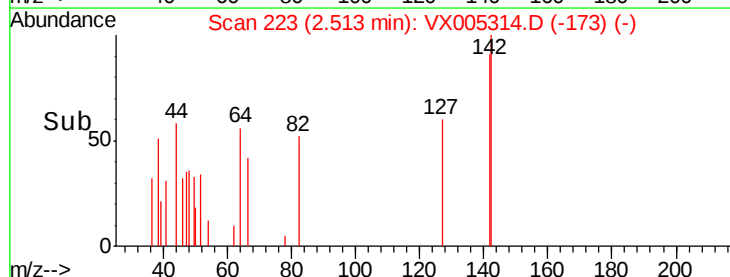
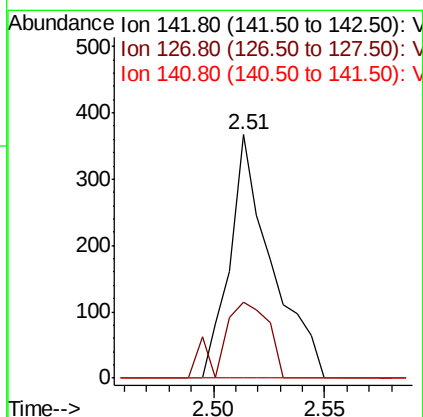
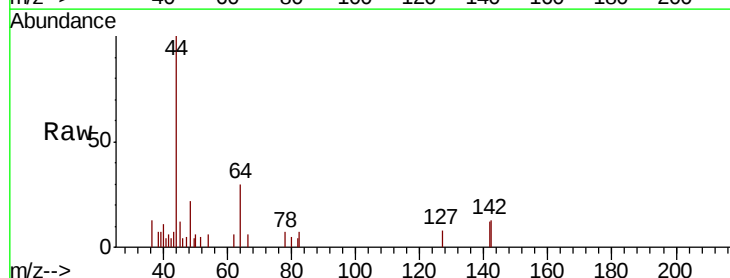
Tgt Ion: 142 Resp: 478

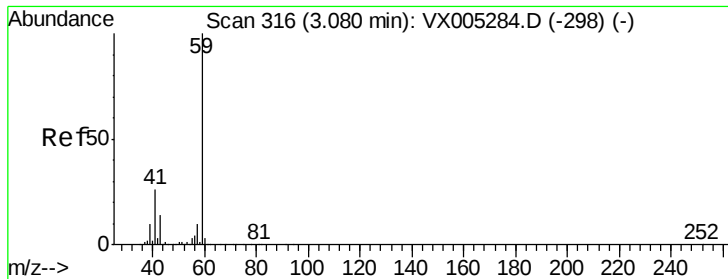
Ion Ratio Lower Upper

142 100

127 34.7 33.8 50.6

141 0.0 11.4 17.0#

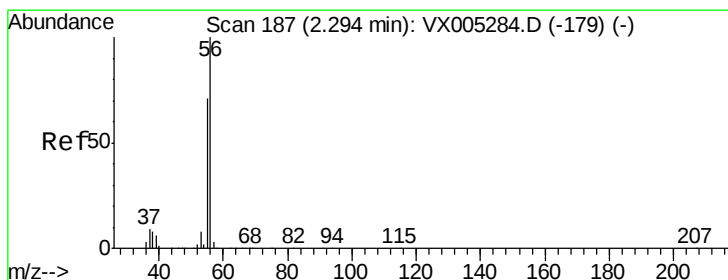
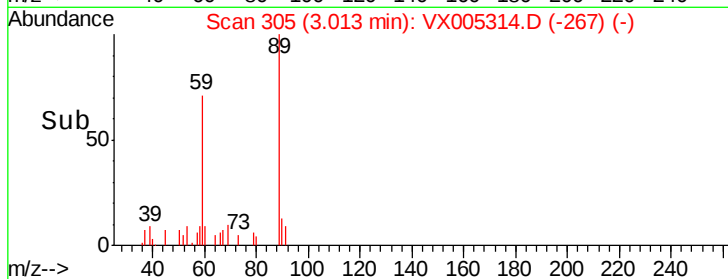
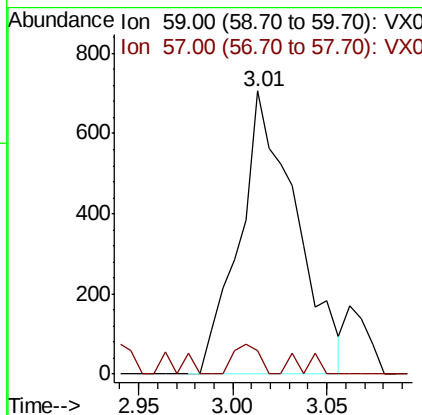
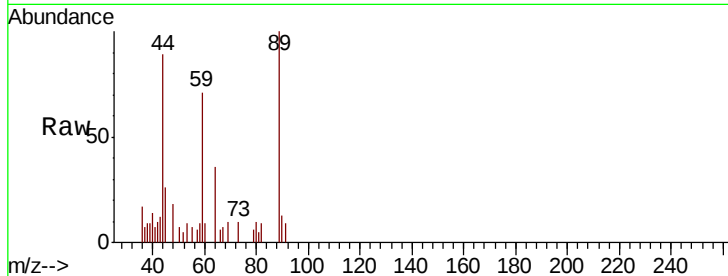




#11
Tert butvl alcohol
Concen: 1.630 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

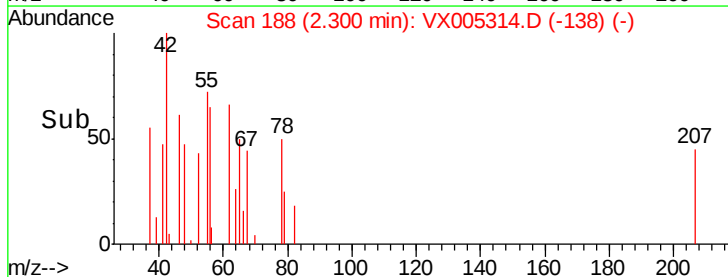
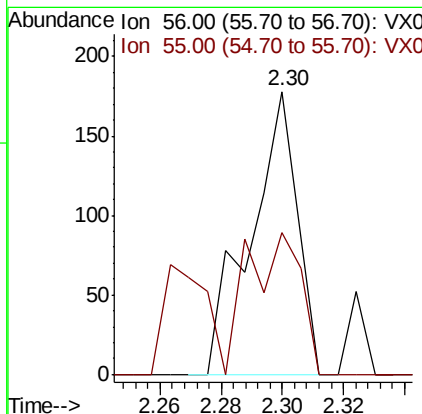
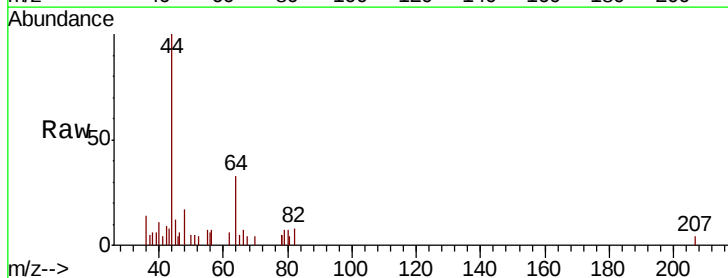
Instrument :
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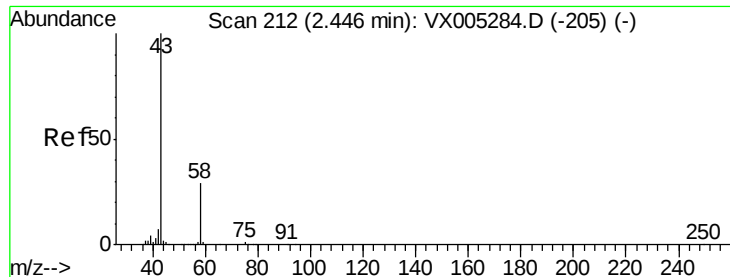
Tot Ion: 59 Resp: 1473
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 56.3 54.7 82.1





#16

Acetone

Concen: 0.830 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

Instrument :

MSVOA_X

ClientSampleId :

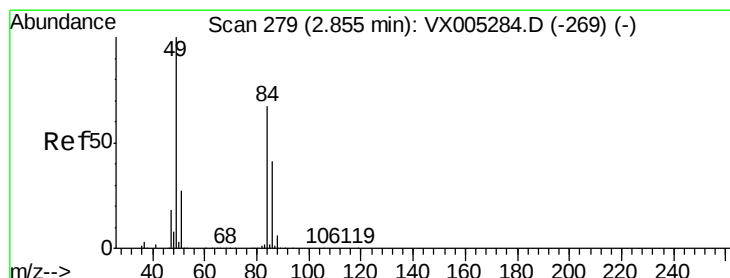
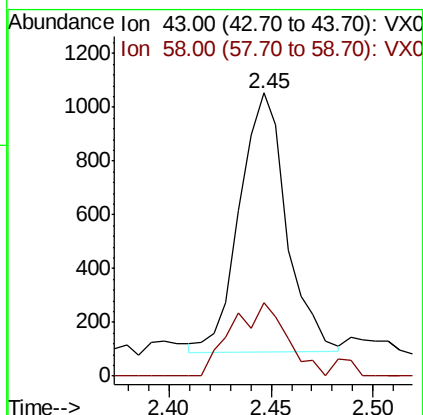
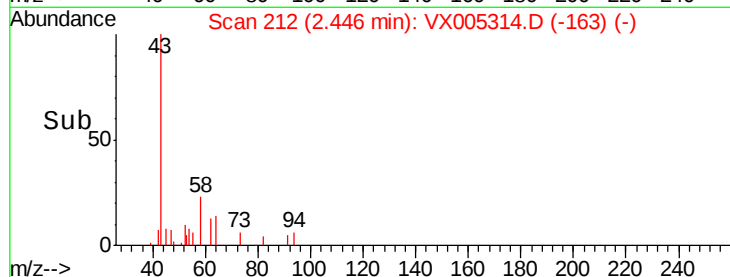
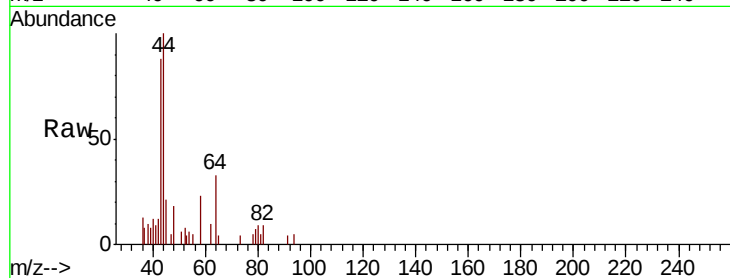
TT-DUP05-20181008DL

Tot Ion: 43 Resp: 1537

Ion Ratio Lower Upper

43 100

58 28.8 26.2 39.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

Tgt Ion: 84 Resp: 2105

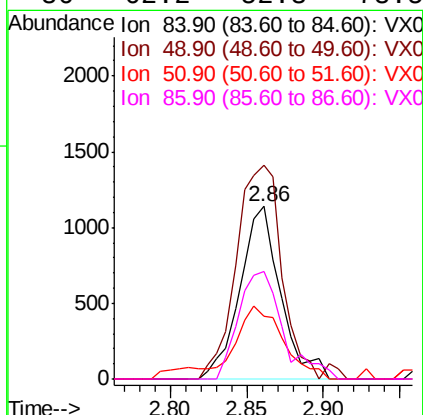
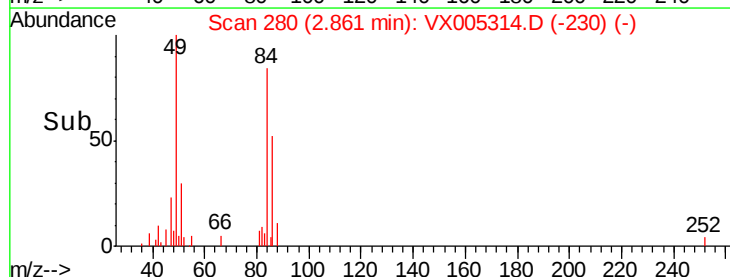
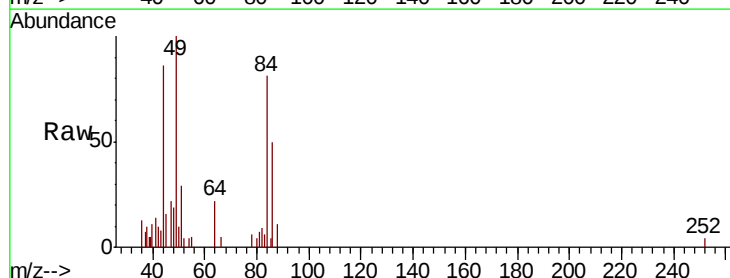
Ion Ratio Lower Upper

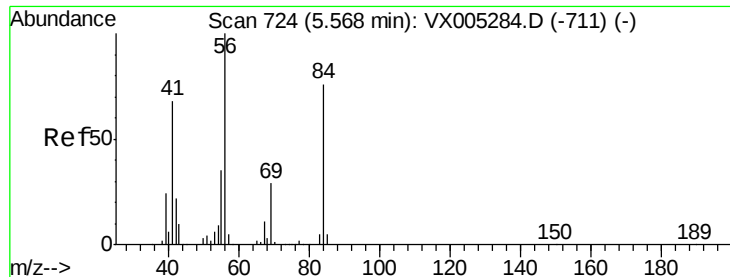
84 100

49 123.9 101.2 151.8

51 36.1 29.5 44.3

86 62.2 52.3 78.5

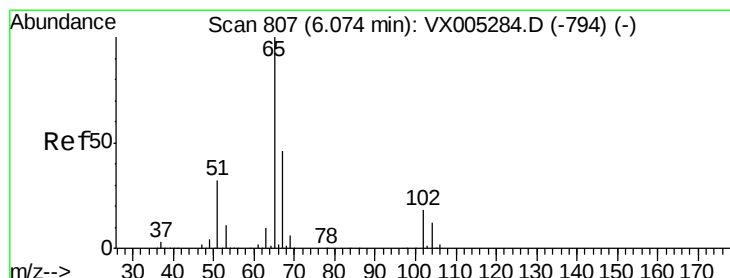
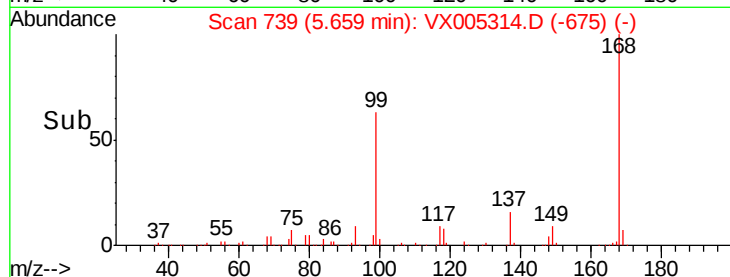
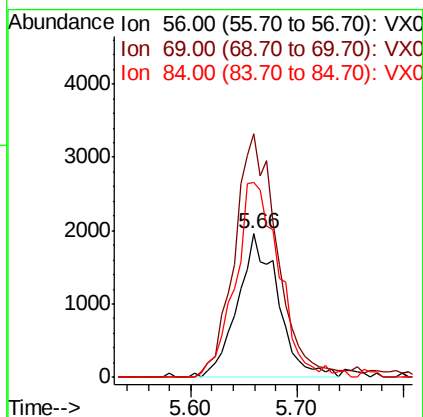
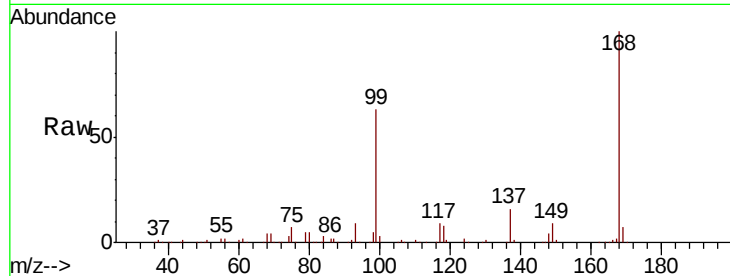




#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

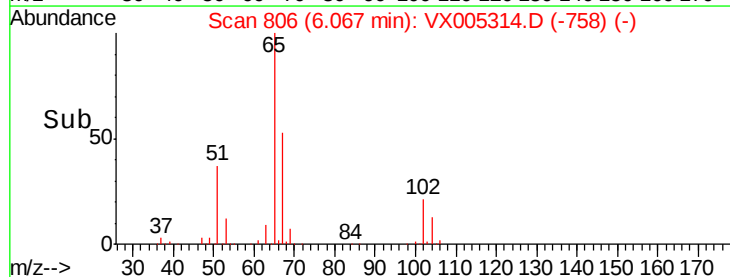
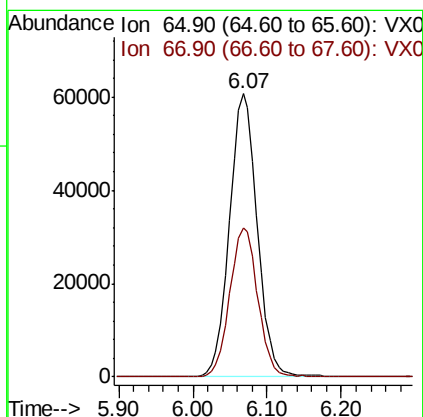
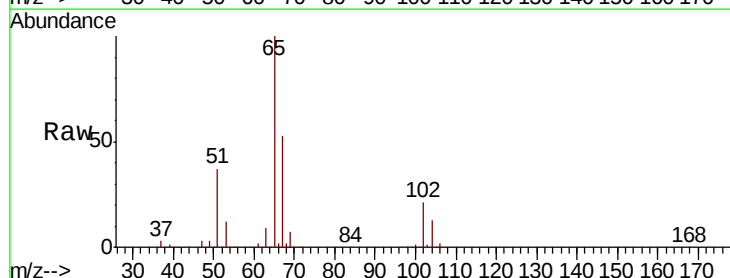
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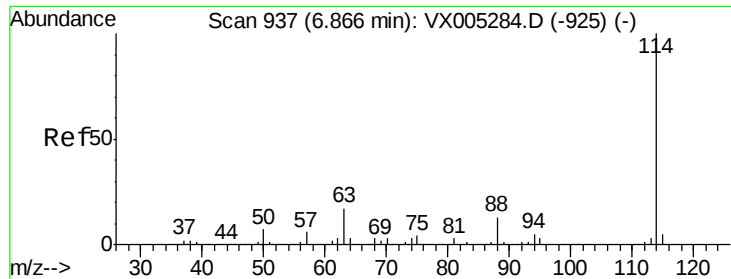
Tot Ion: 56 Resp: 5233
Ion Ratio Lower Upper
56 100
69 169.9 25.4 38.2#
84 136.2 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 49.473 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Tgt Ion: 65 Resp: 158450
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

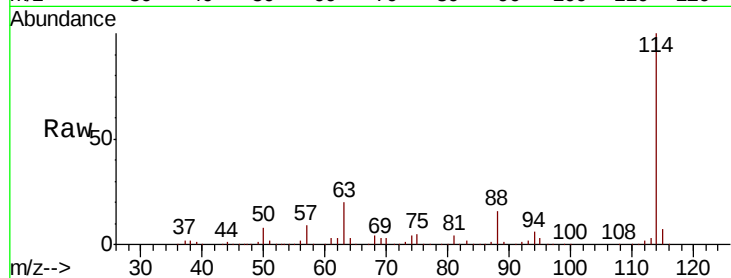




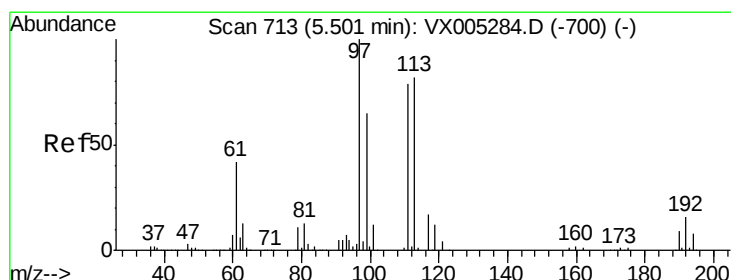
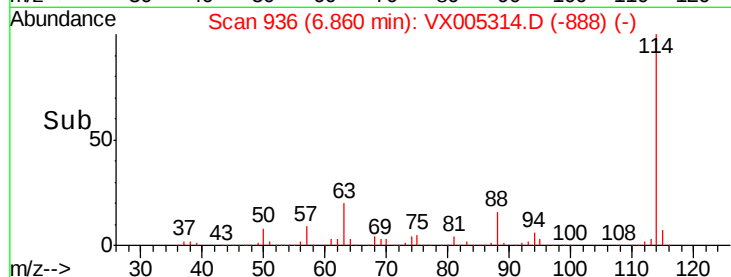
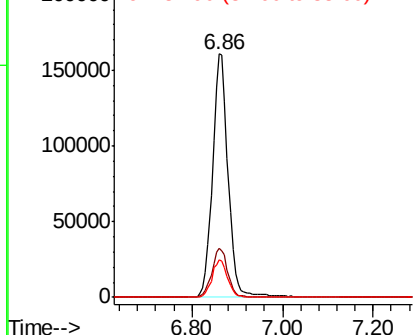
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP05-20181008DL

Tot Ion:114 Resp: 389237
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.0
88 15.6 0.0 30.4

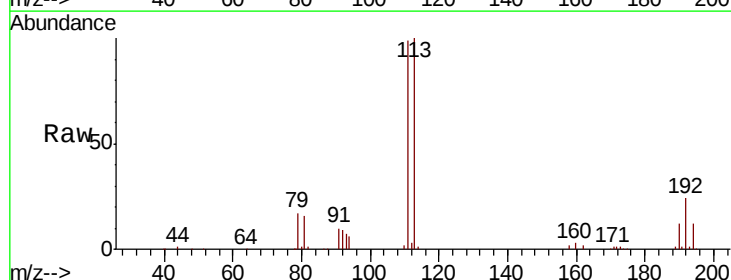


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

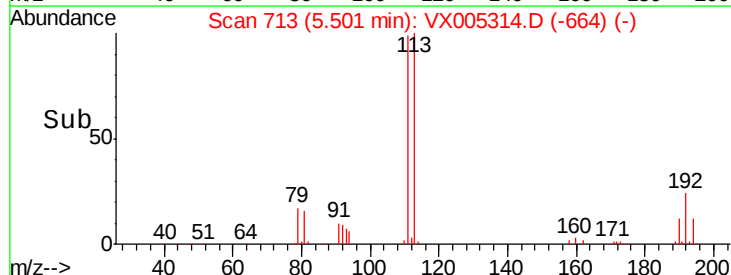
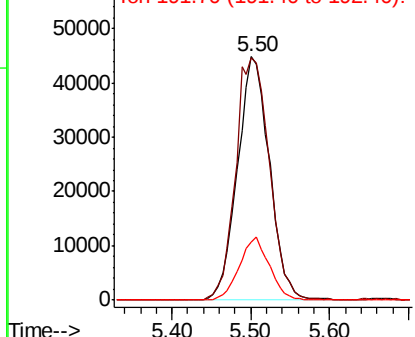


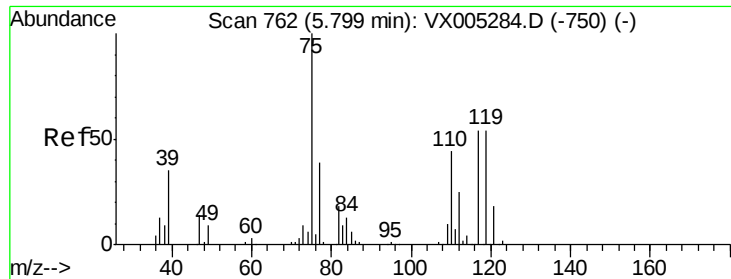
#35
Dibromofluoromethane
Concen: 49.046 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Tgt Ion:113 Resp: 126442
Ion Ratio Lower Upper
113 100
111 105.2 82.4 123.6
192 24.1 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

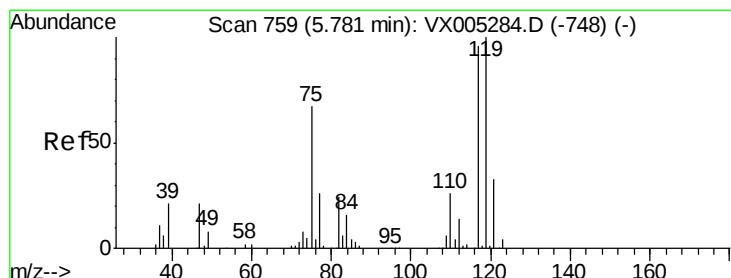
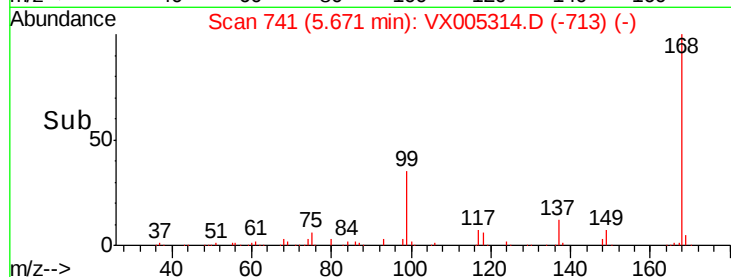
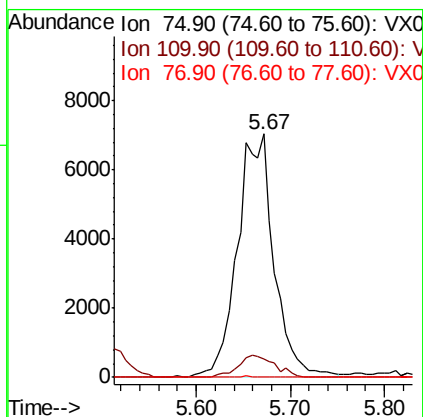
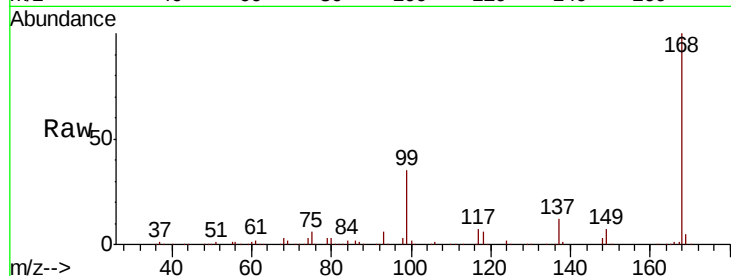




#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005314.D
 Acq: 13 Oct 2018 01:24

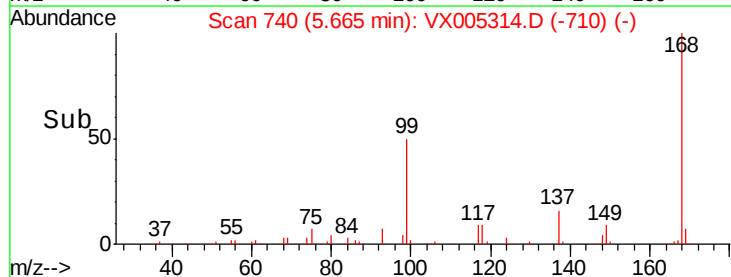
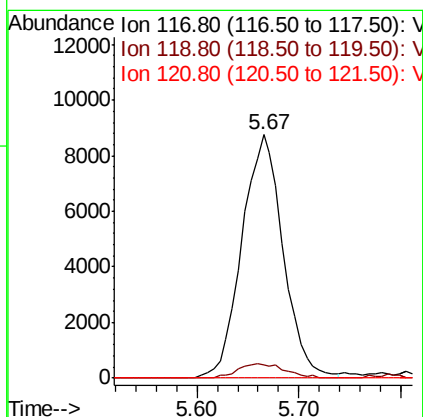
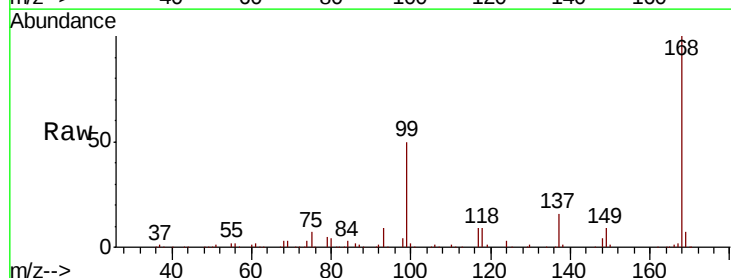
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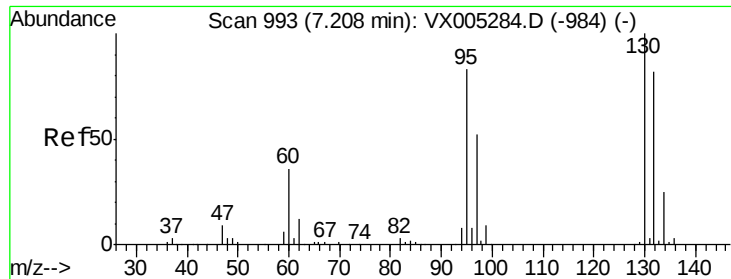
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.0	54.0#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.496 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005314.D
 Acq: 13 Oct 2018 01:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.8	118.2#
121	0.0	24.9	37.3#





#44

Trichloroethene

Concen: 39.358 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

Instrument :

MSVOA_X

ClientSampleId :

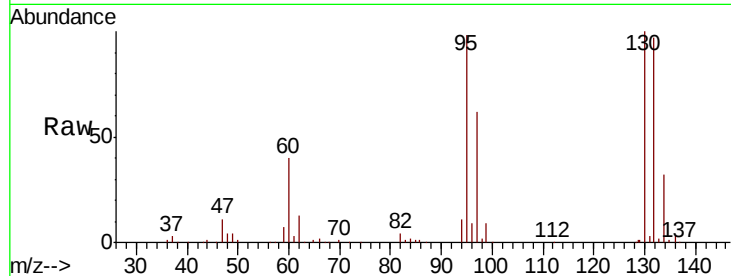
TT-DUP05-20181008DL

Tot Ion:130 Resp: 114027

Ion Ratio Lower Upper

130 100

95 97.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

60000

50000

40000

30000

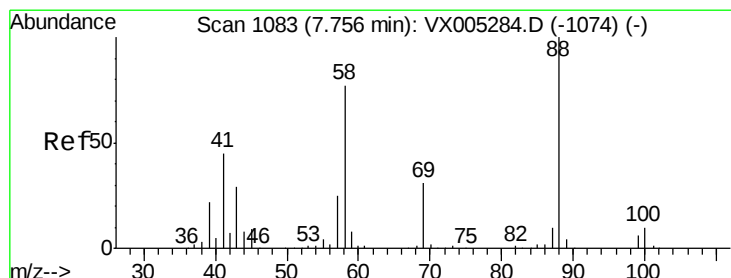
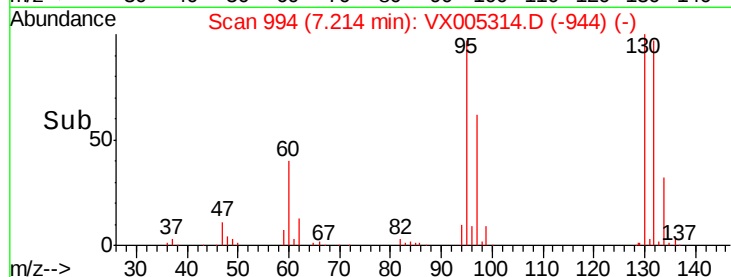
20000

10000

0

7.10 7.20 7.30 7.40

Time-->



#49

1,4-Dioxane

Concen: 0.246 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

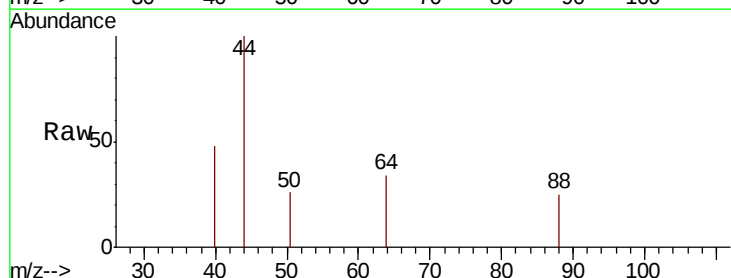
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 105.3 24.7 37.1#

58 131.6 55.3 82.9#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

80

60

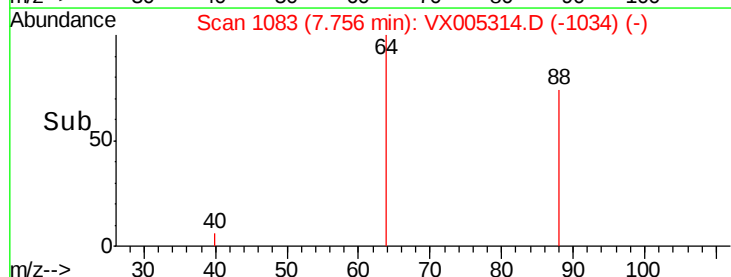
40

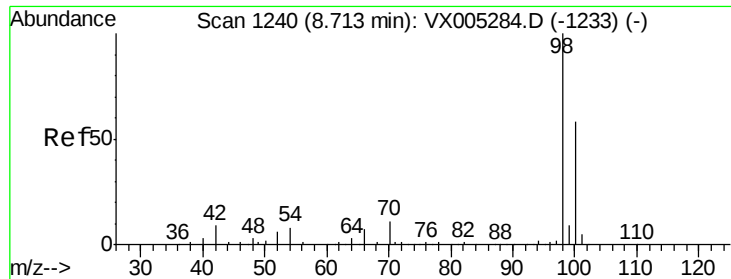
20

0

7.74 7.75 7.76 7.77

Time-->

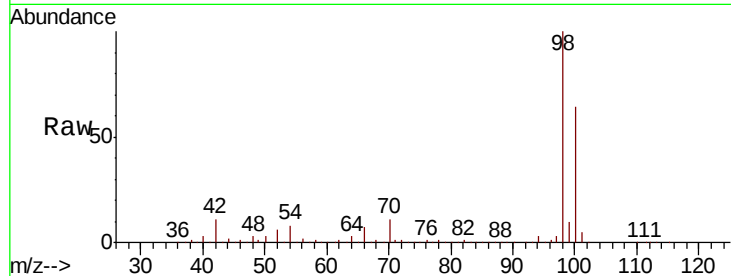




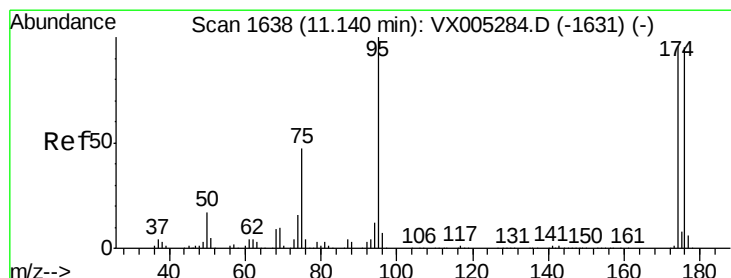
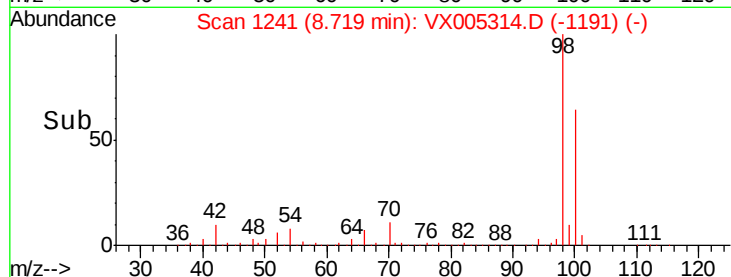
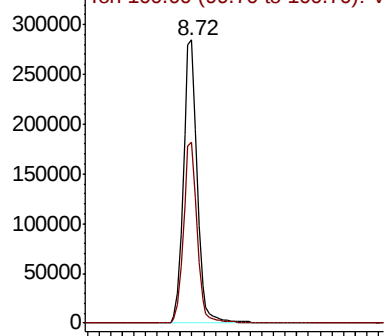
#50
Toluene-d8
Concen: 52.812 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP05-20181008DL

Tot Ion: 98 Resp: 467414
Ion Ratio Lower Upper
98 100
100 63.1 52.9 79.3

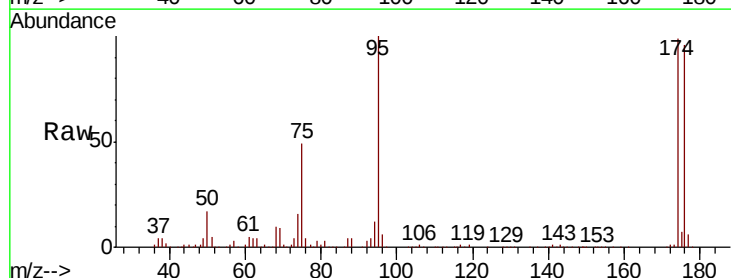


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

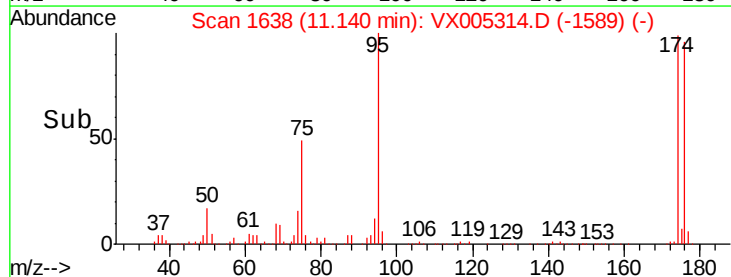
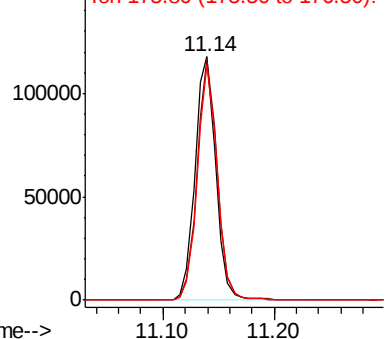


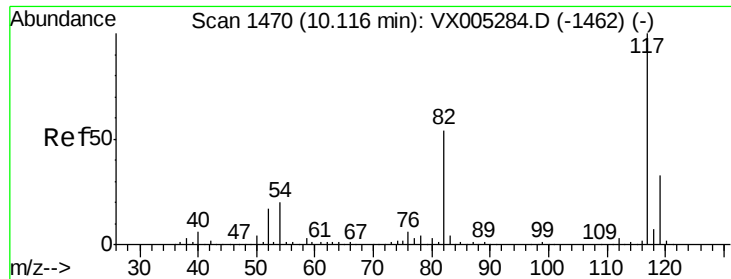
#62
4-Bromofluorobenzene
Concen: 45.518 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Tgt Ion: 95 Resp: 151339
Ion Ratio Lower Upper
95 100
174 96.1 0.0 185.2
176 92.4 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

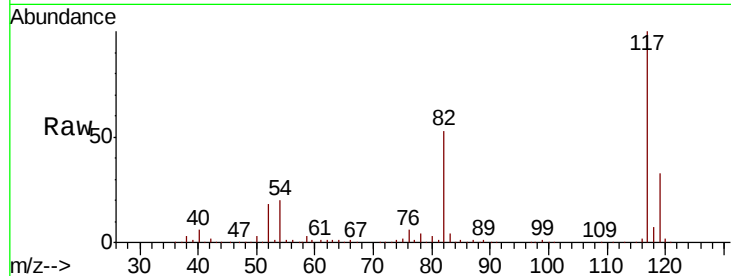




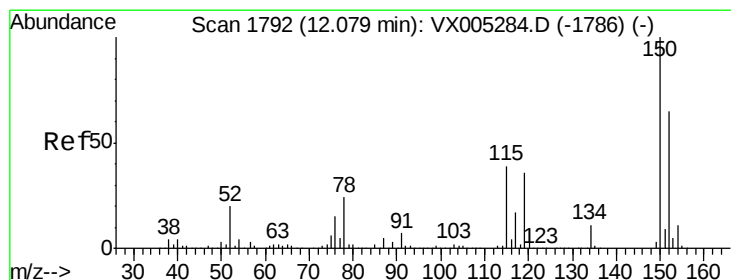
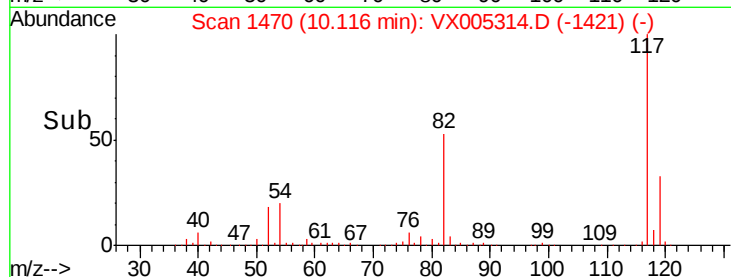
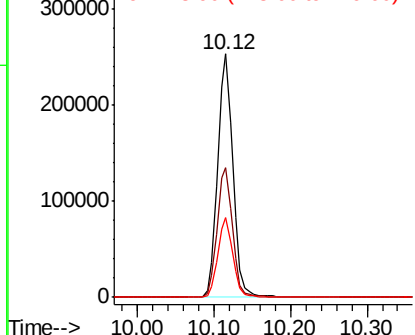
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP05-20181008DL

Tot Ion:117 Resp: 349895
Ion Ratio Lower Upper
117 100
82 53.1 47.8 71.6
119 32.6 29.3 43.9

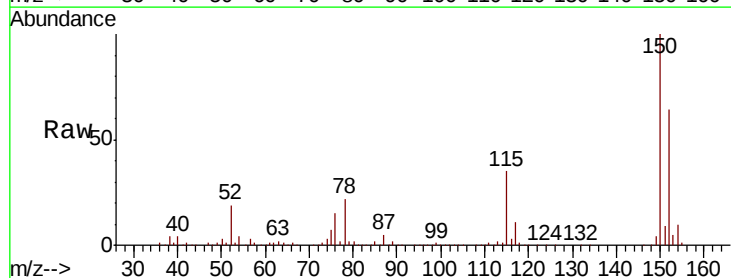


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

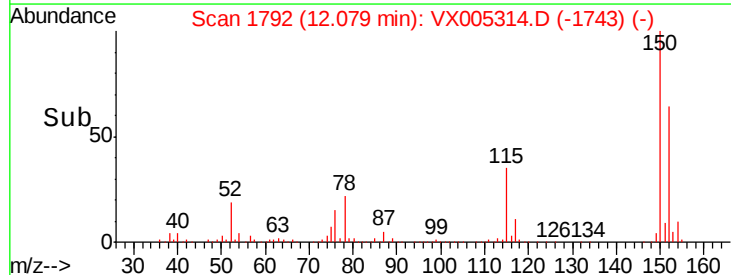
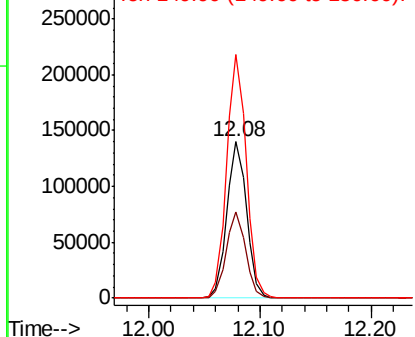


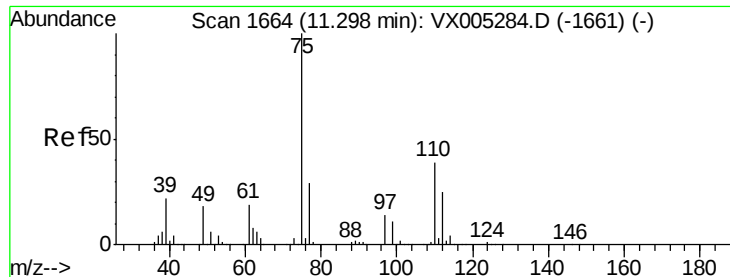
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005314.D
Acq: 13 Oct 2018 01:24

Tgt Ion:152 Resp: 171202
Ion Ratio Lower Upper
152 100
115 54.2 39.0 117.0
150 155.0 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: 22.563 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

Instrument :

MSVOA_X

ClientSampleId :

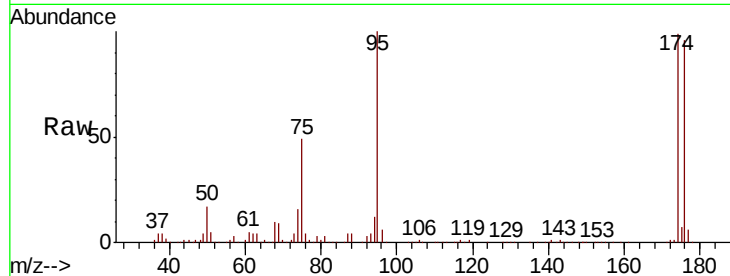
TT-DUP05-20181008DL

Tot Ion: 75 Resp: 74927

Ion Ratio Lower Upper

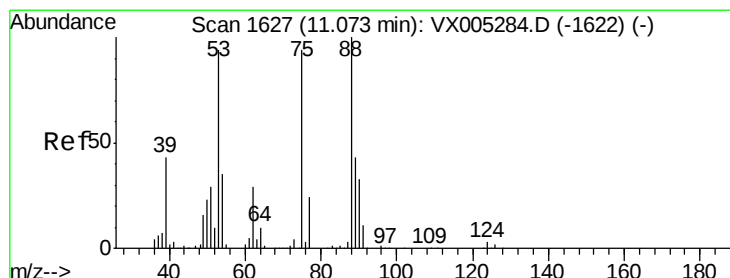
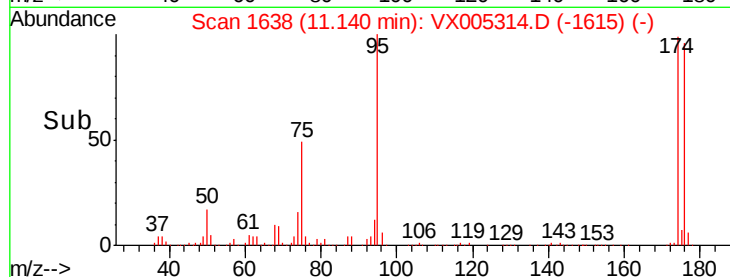
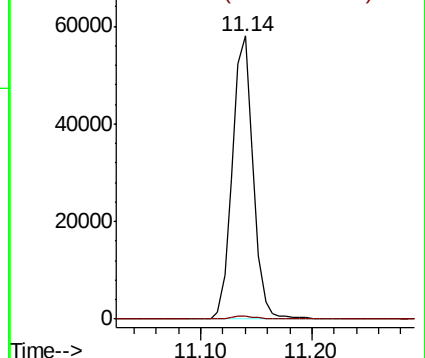
75 100

77 1.3 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: 68.556 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005314.D

Acq: 13 Oct 2018 01:24

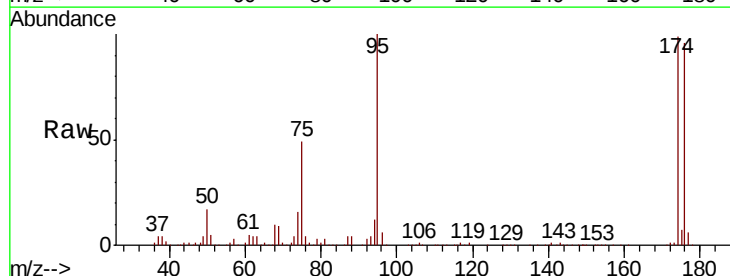
Tgt Ion: 75 Resp: 74927

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

