

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000682.D
 Acq On : 05 Apr 2018 02:23
 Operator : JC/MD
 Sample : J2166-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-040318

Quant Time: Apr 05 05:26:05 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 03:34:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	82282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	145795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	74075	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	62985	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	
35) Dibromofluoromethane	5.51	113	46719	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	8.72	98	182476	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
62) 4-Bromofluorobenzene	11.15	95	63969	38.19	ug/l	0.00
Spiked Amount			Recovery	=	76.38%	

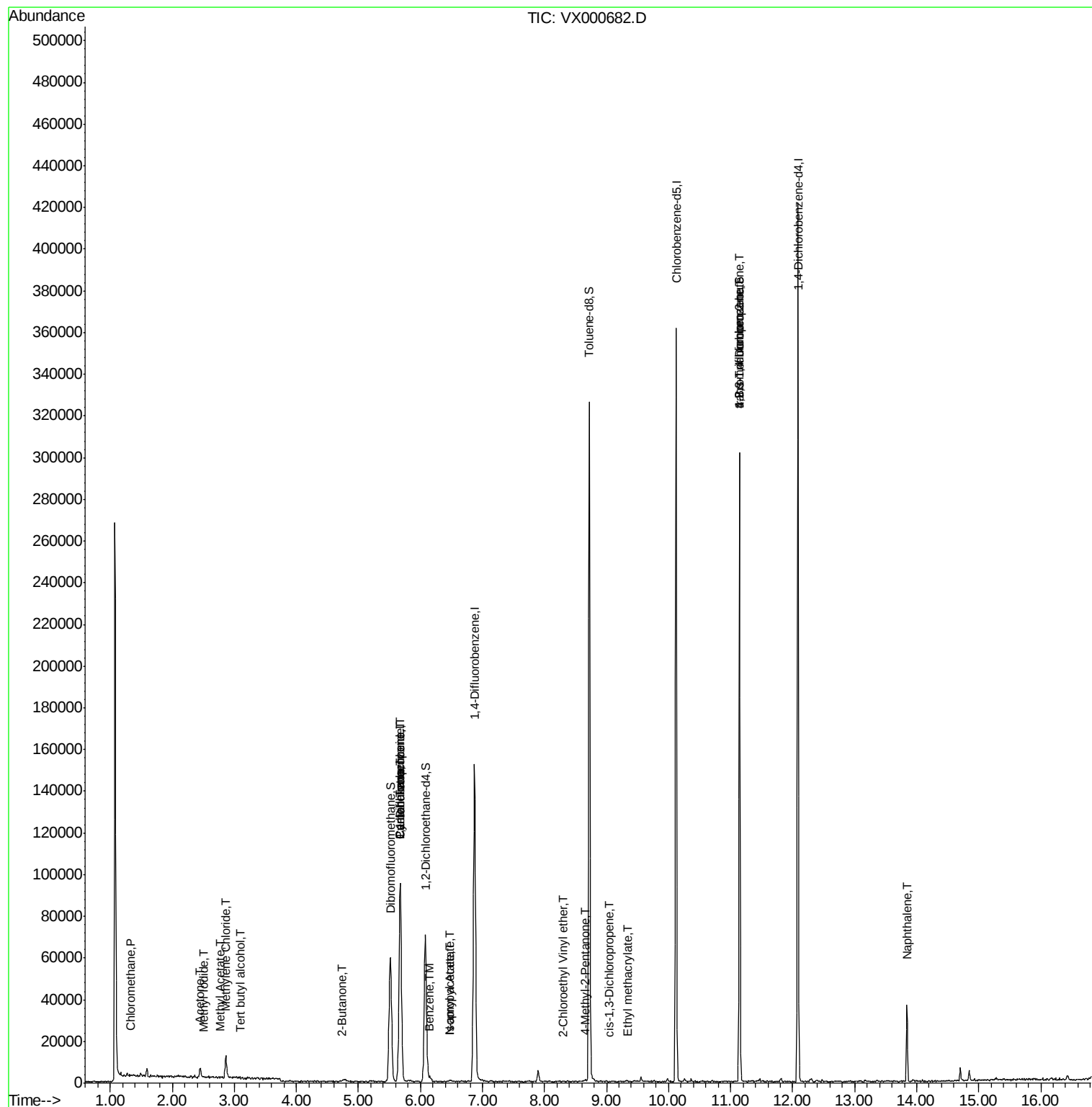
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	330	0.35	ug/l #	81
10) Methyl Iodide	2.51	142	60	9.39	ug/l #	35
11) Tert butyl alcohol	3.09	59	493	0.91	ug/l #	78
16) Acetone	2.45	43	5647	4.91	ug/l	95
18) Methyl Acetate	2.77	43	548	0.21	ug/l #	87
20) Methylene Chloride	2.87	84	4313	3.29	ug/l #	87
25) 2-Butanone	4.73	43	1000	0.86	ug/l #	50
31) Cyclohexane	5.68	56	2596	1.88	ug/l #	38
36) 1,1-Dichloropropene	5.67	75	7776	5.75	ug/l #	43
38) Carbon Tetrachloride	5.67	117	9340	7.17	ug/l #	20
40) Benzene	6.15	78	2065	0.53	ug/l	97
43) Isopropyl Acetate	6.48	43	1297	0.43	ug/l #	81
51) 4-Methyl-2-Pentanone	8.66	43	669	0.28	ug/l	91
54) cis-1,3-Dichloropropene	9.05	75	58	4.20	ug/l #	1
56) Ethyl methacrylate	9.34	69	52	4.35	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	44	15.59	ug/l #	49
74) N-amyl acetate	6.48	43	1297	0.54	ug/l #	83
76) 1,2,3-Trichloropropane	11.15	75	38838	24.04	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.15	75	38838	86.20	ug/l #	7
95) Naphthalene	13.84	128	19683	3.53	ug/l	98

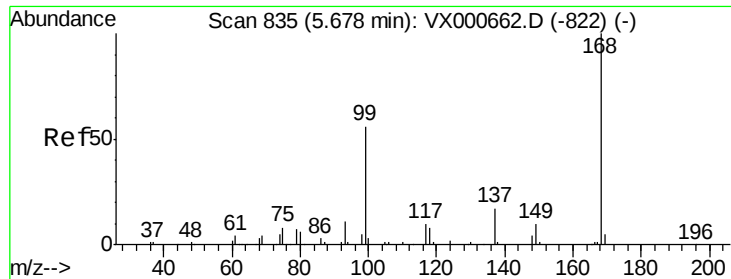
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 05 05:26:05 2018
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Quant Title : SW846 8260
QLast Update : Thu Apr 05 03:34:50 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

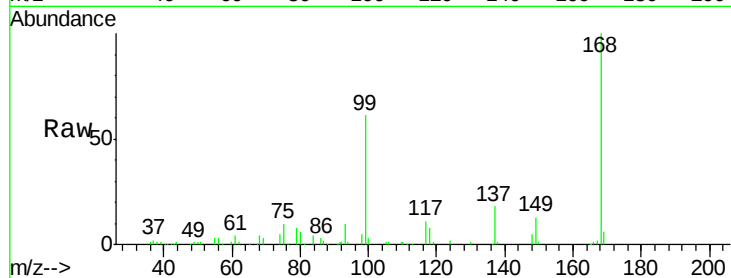
TR-05-040318

Tgt Ion:168 Resp: 82282

Ion Ratio Lower Upper

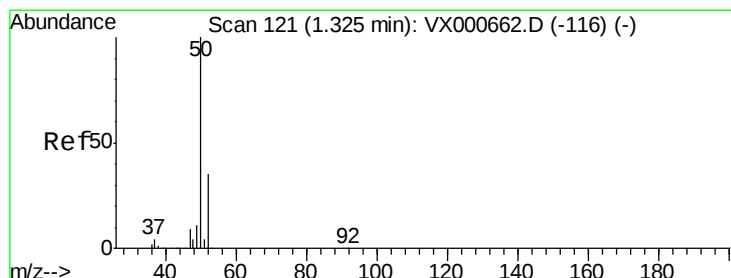
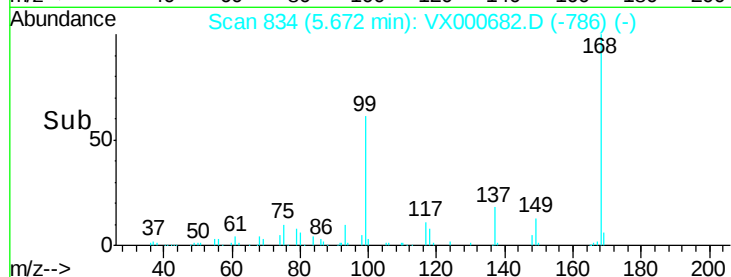
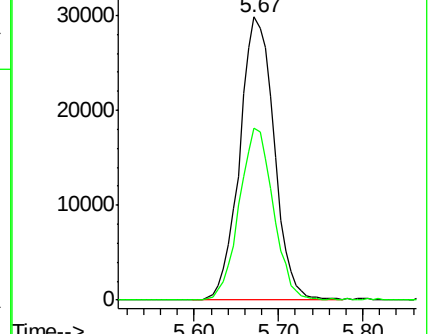
168 100

99 60.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000682.D

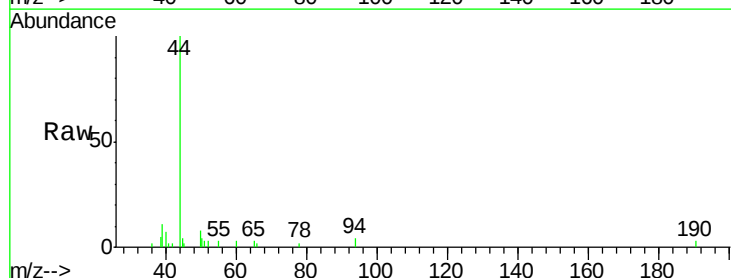
Acq: 05 Apr 2018 02:23

Tgt Ion: 50 Resp: 330

Ion Ratio Lower Upper

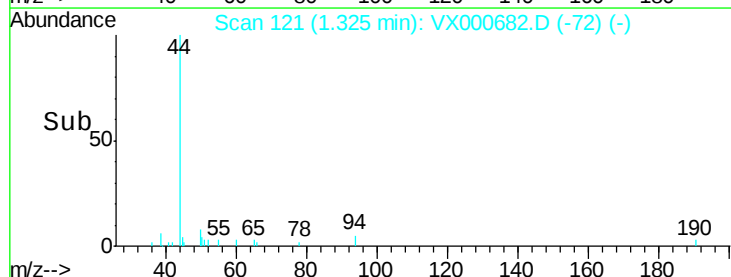
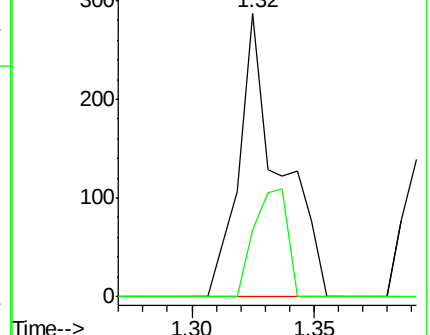
50 100

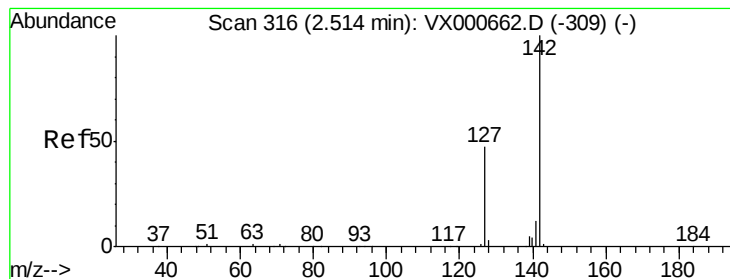
52 23.7 28.0 42.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#10

Methyl Iodide

Concen: 9.39 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

TR-05-040318

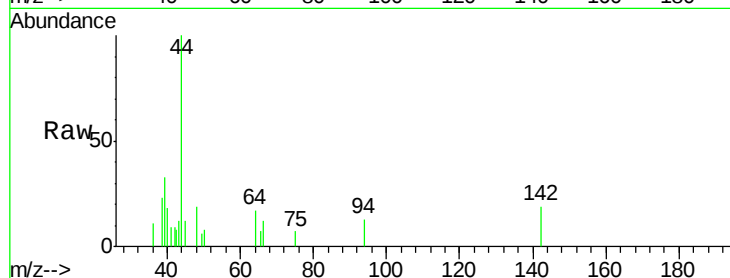
Tgt Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 0.0 40.7 61.1#

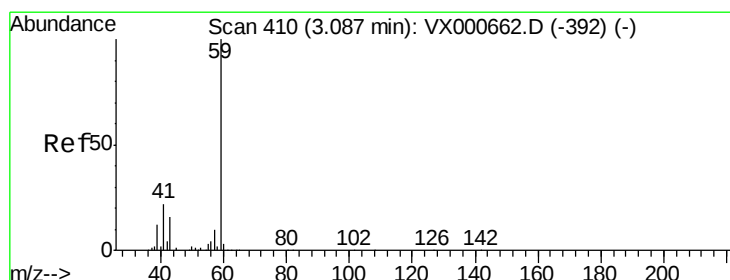
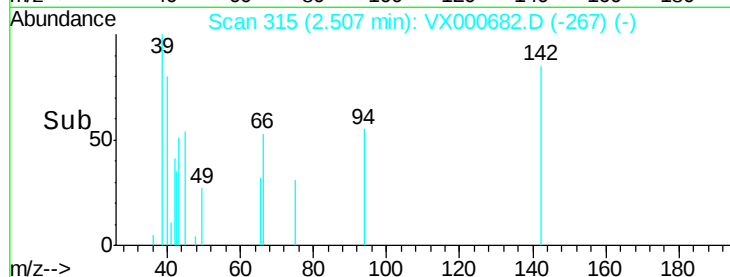
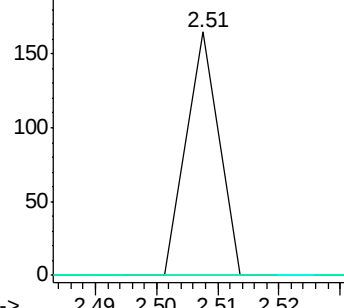
141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.91 ug/l

RT: 3.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VX000682.D

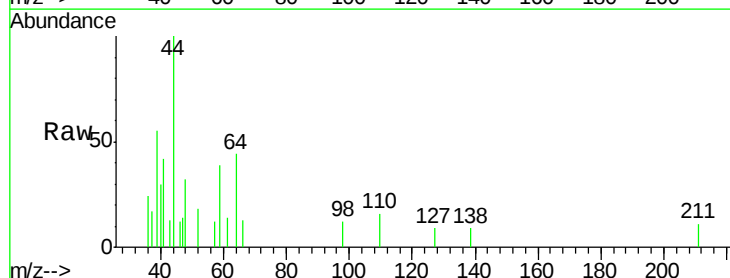
Acq: 05 Apr 2018 02:23

Tgt Ion: 59 Resp: 493

Ion Ratio Lower Upper

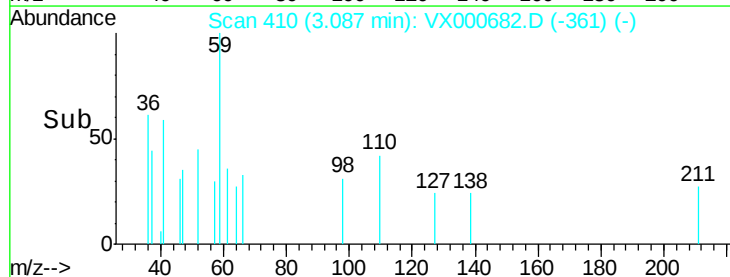
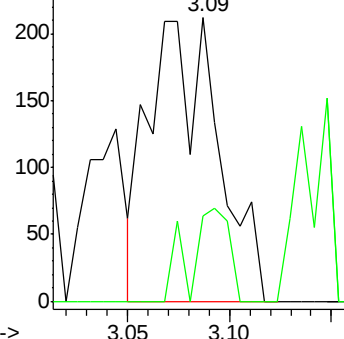
59 100

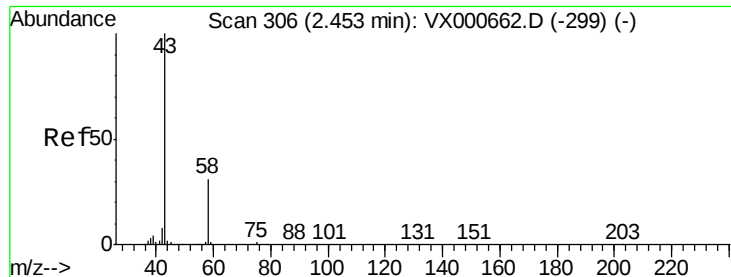
57 18.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.91 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

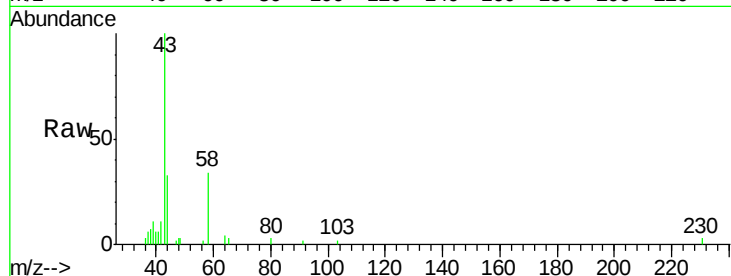
TR-05-040318

Tgt Ion: 43 Resp: 5647

Ion Ratio Lower Upper

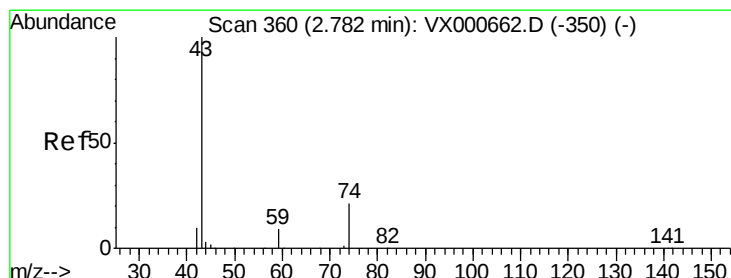
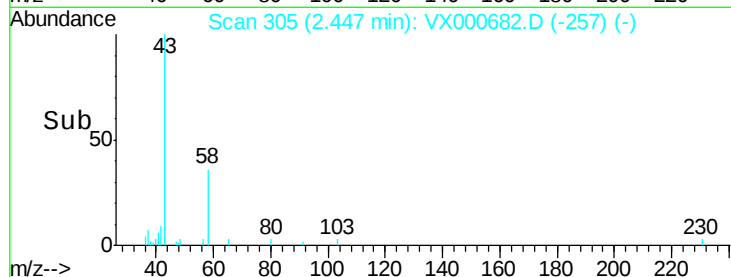
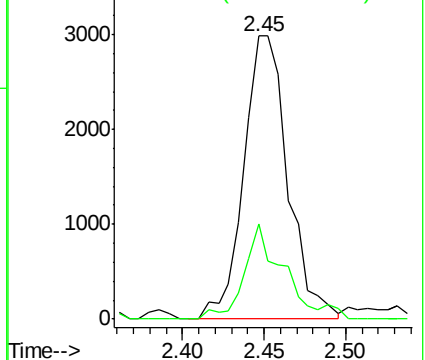
43 100

58 33.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.01 min

Lab File: VX000682.D

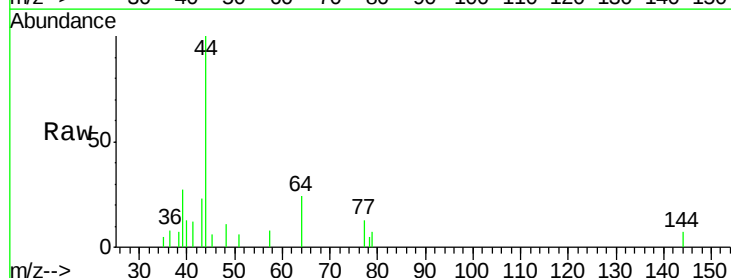
Acq: 05 Apr 2018 02:23

Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

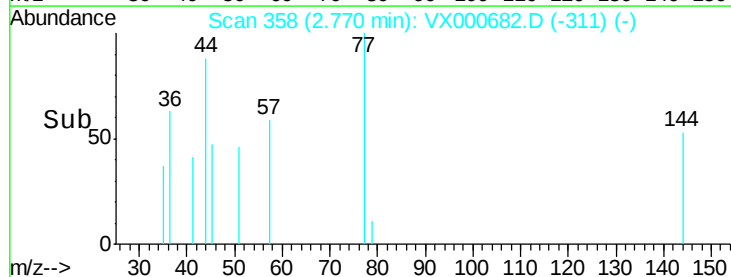
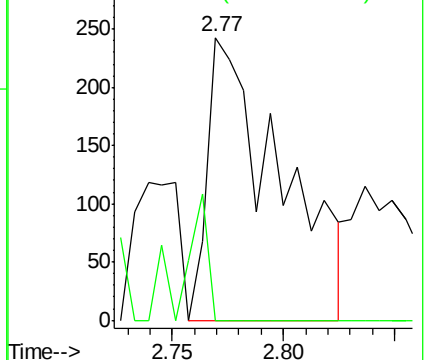
43 100

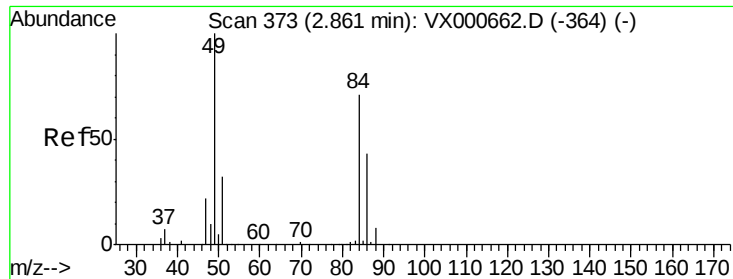
74 15.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

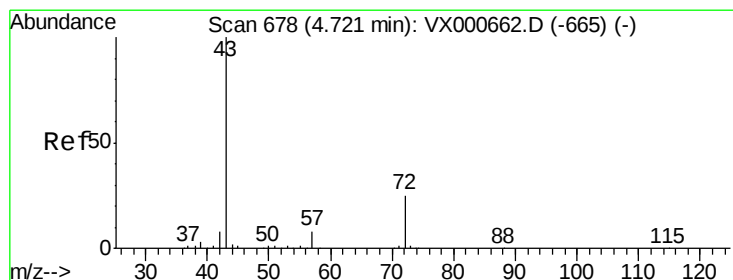
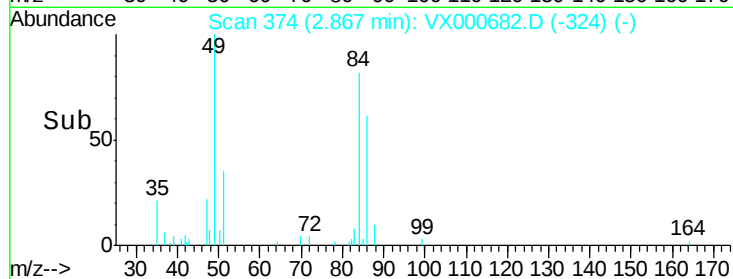
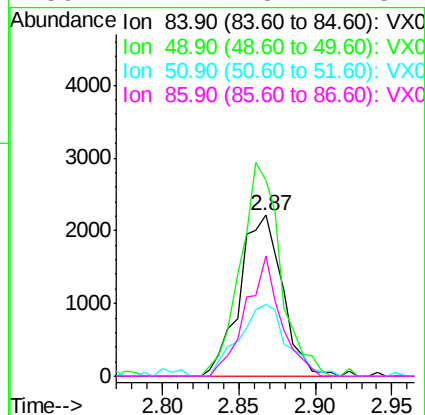
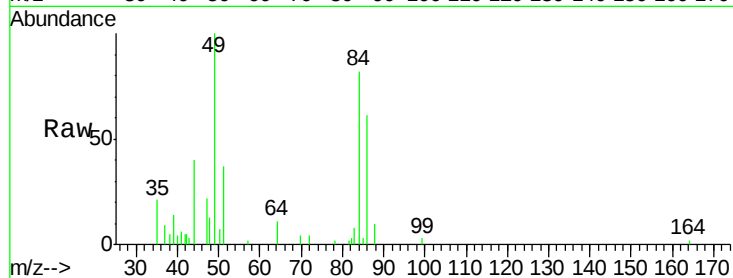




#20
Methylene Chloride
Concen: 3.29 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000682.D
Acq: 05 Apr 2018 02:23

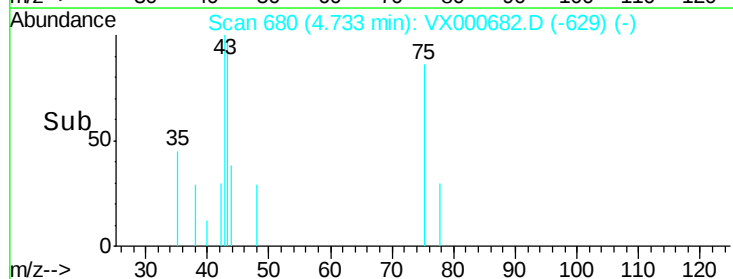
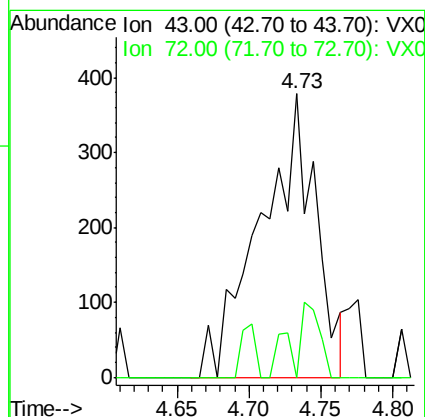
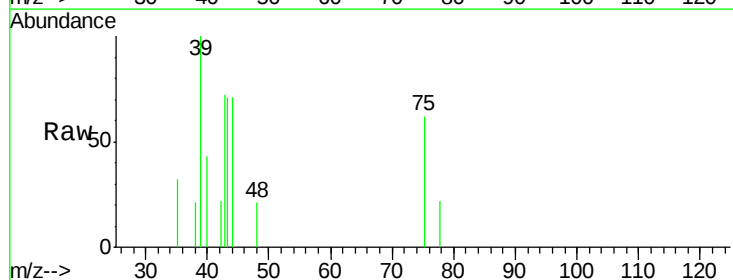
Instrument :
MSVOA_X
ClientSampleId :
TR-05-040318

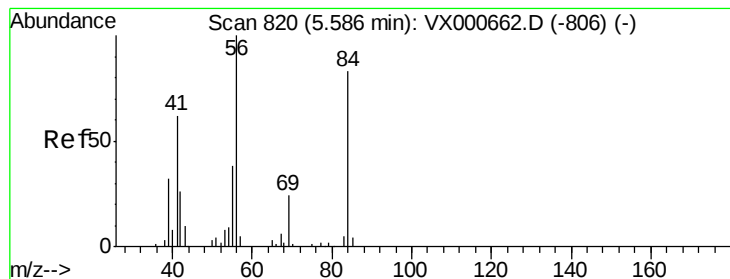
Tgt Ion: 84 Resp: 4313
Ion Ratio Lower Upper
84 100
49 121.2 112.1 168.1
51 44.7 35.4 53.0
86 74.4 48.7 73.1#



#25
2-Butanone
Concen: 0.86 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX000682.D
Acq: 05 Apr 2018 02:23

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
72 0.0 20.0 30.0#





#31

Cyclohexane

Concen: 1.88 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

TR-05-040318

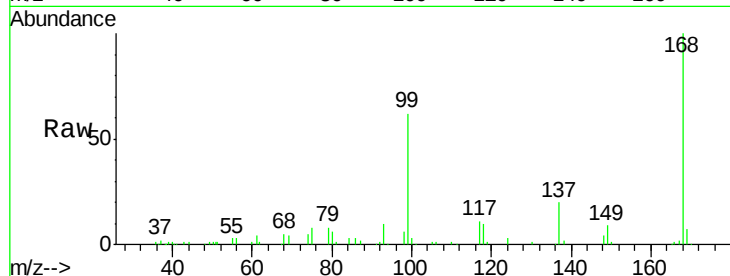
Tgt Ion: 56 Resp: 2596

Ion Ratio Lower Upper

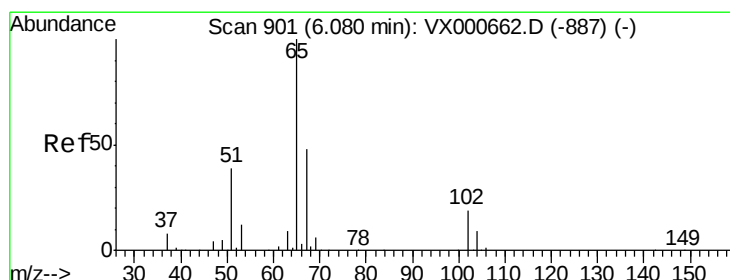
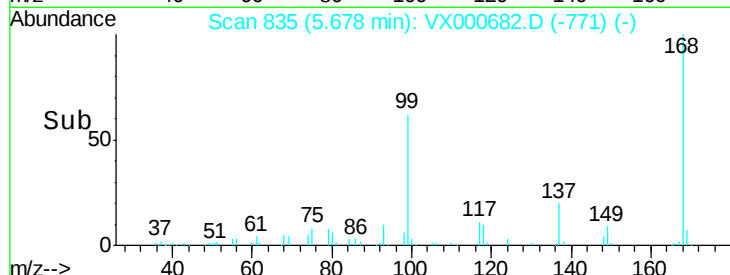
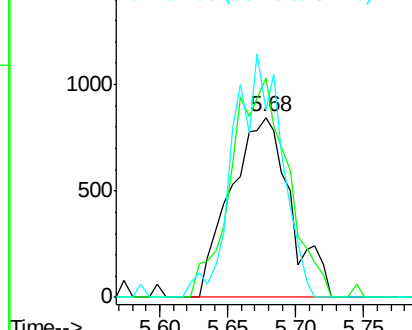
56 100

69 122.0 19.4 29.0#

84 103.9 66.8 100.2#



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: 45.06 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000682.D

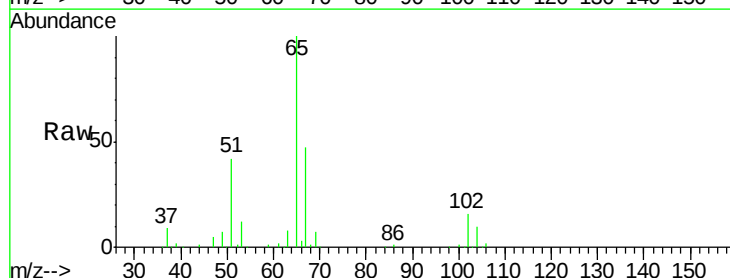
Acq: 05 Apr 2018 02:23

Tgt Ion: 65 Resp: 62985

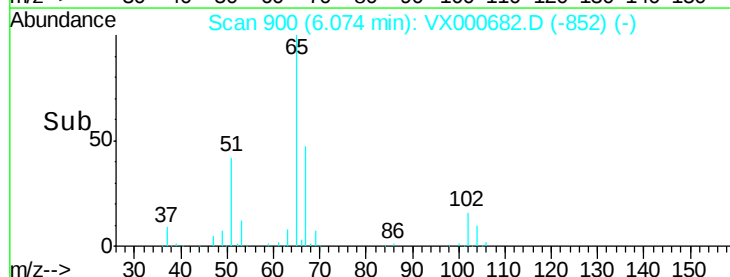
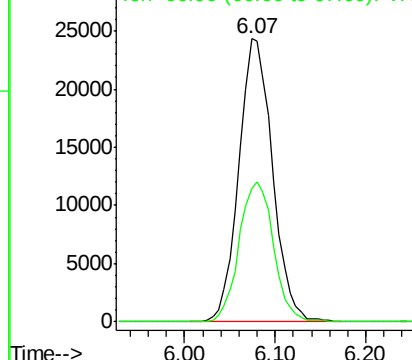
Ion Ratio Lower Upper

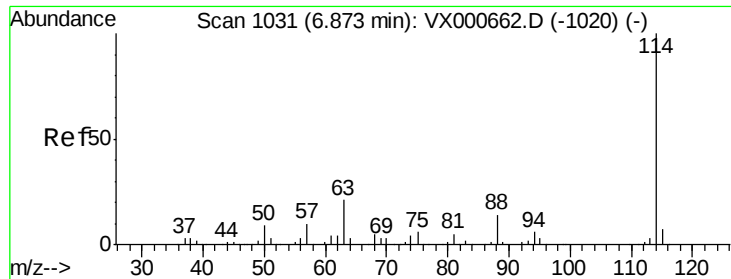
65 100

67 50.4 0.0 99.8



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: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

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ClientSampleId :

TR-05-040318

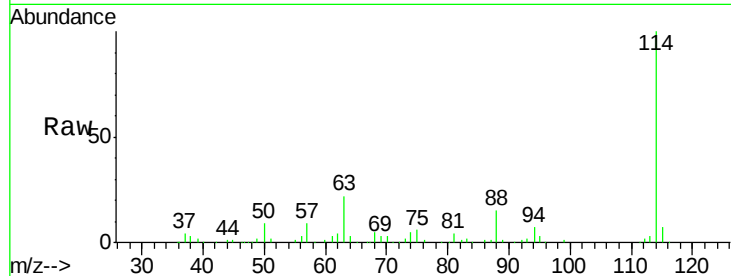
Tgt Ion:114 Resp: 145795

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.6

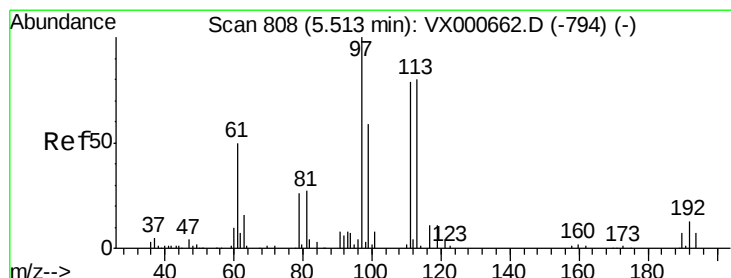
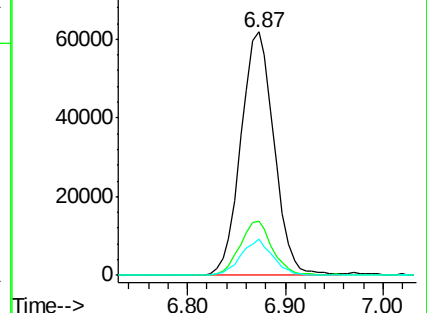
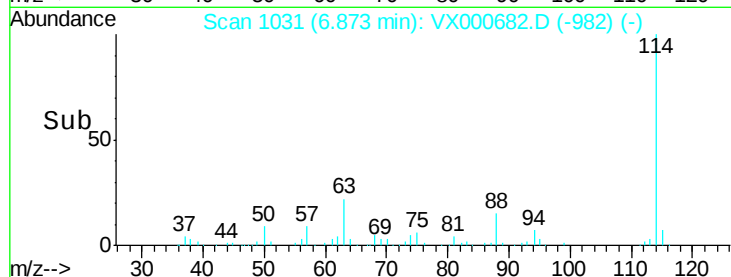
88 14.7 0.0 28.6



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: 46.94 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

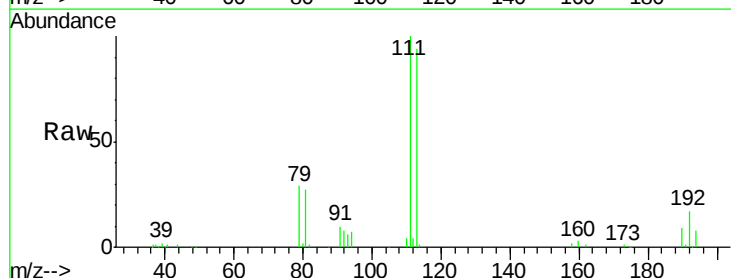
Tgt Ion:113 Resp: 46719

Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

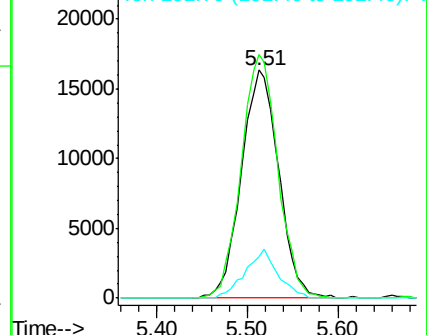
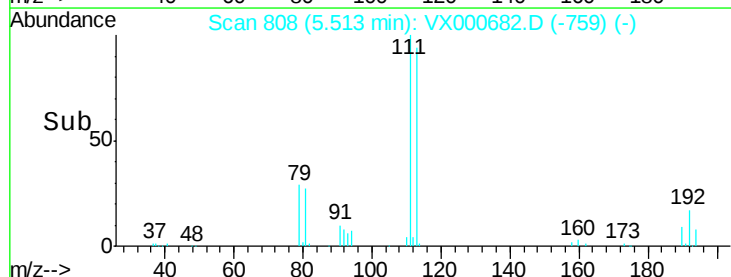
192 18.8 14.3 21.5

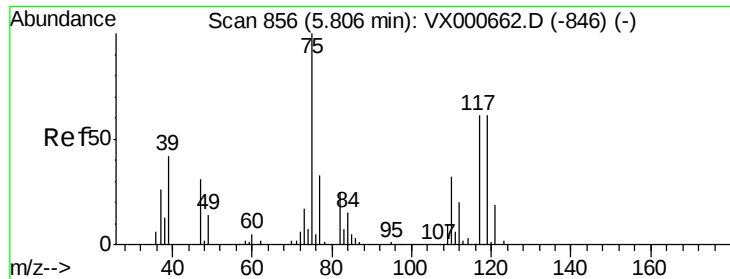


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

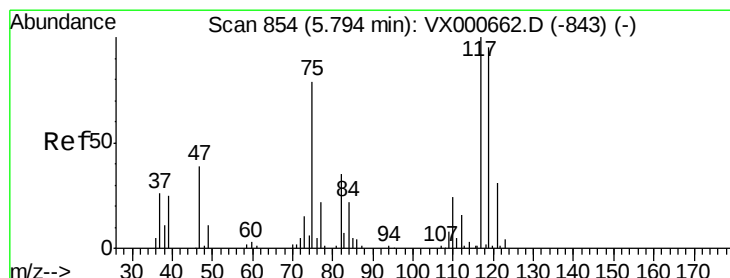
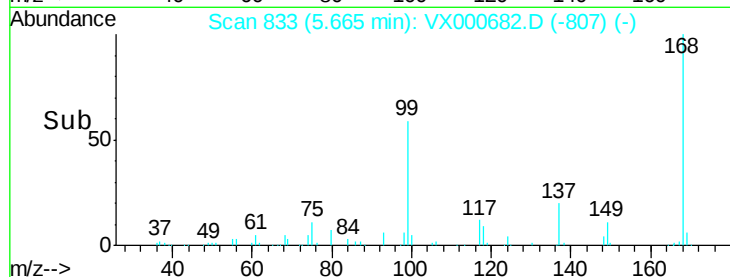
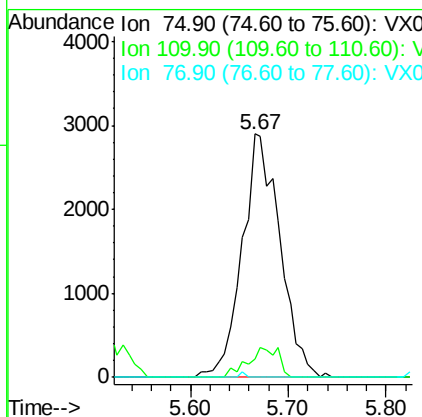
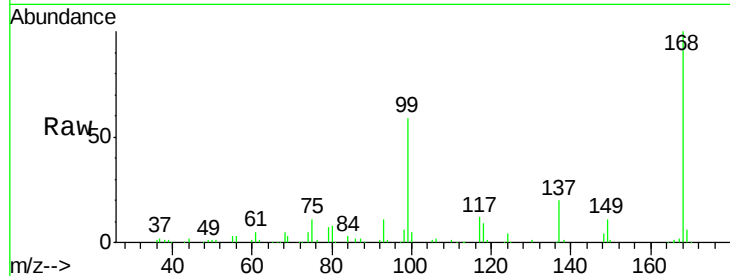




#36
 1,1-Dichloropropene
 Concen: 5.75 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX000682.D
 Acq: 05 Apr 2018 02:23

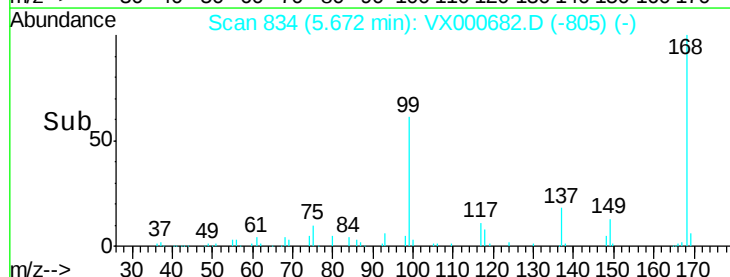
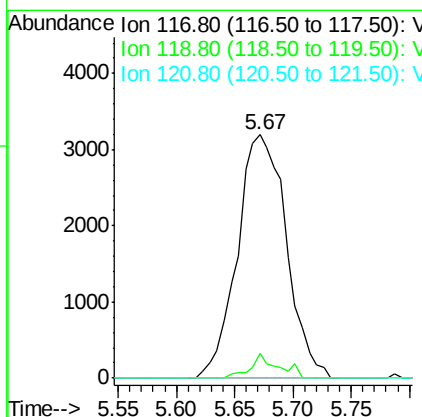
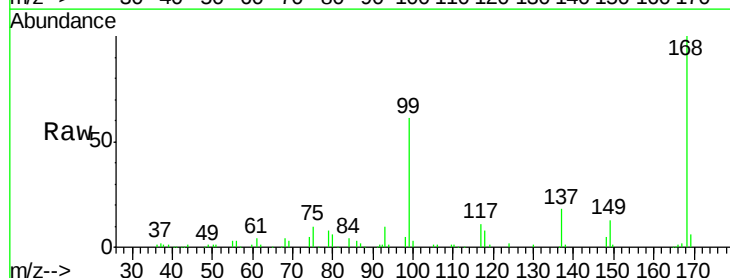
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-040318

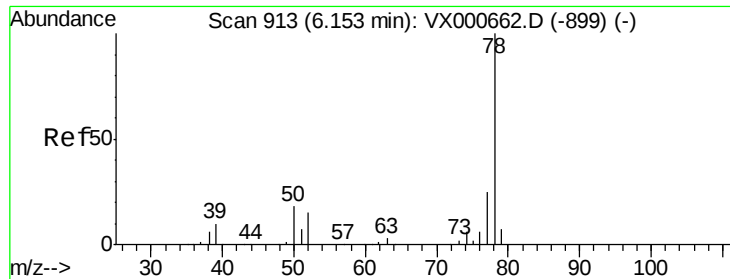
Tgt Ion: 75 Resp: 7776
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.3 48.9#
 77 0.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.17 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000682.D
 Acq: 05 Apr 2018 02:23

Tgt Ion: 117 Resp: 9340
 Ion Ratio Lower Upper
 117 100
 119 10.1 76.1 114.1#
 121 0.0 24.8 37.2#





#40

Benzene

Concen: 0.53 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

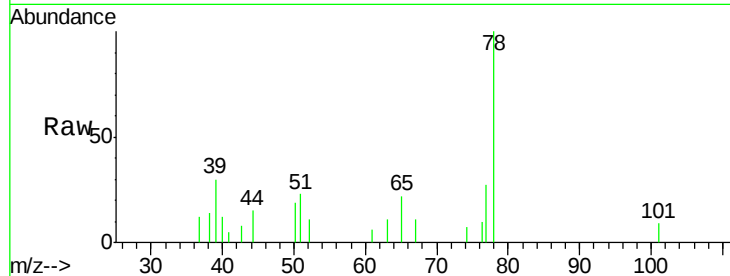
TR-05-040318

Tgt Ion: 78 Resp: 2065

Ion Ratio Lower Upper

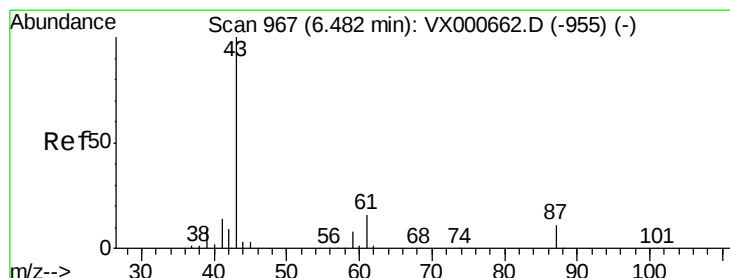
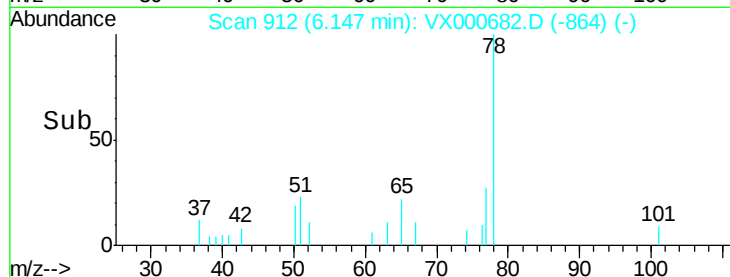
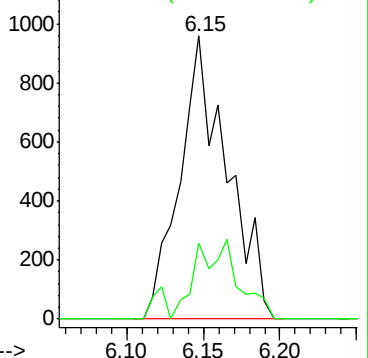
78 100

77 26.7 20.2 30.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 0.43 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

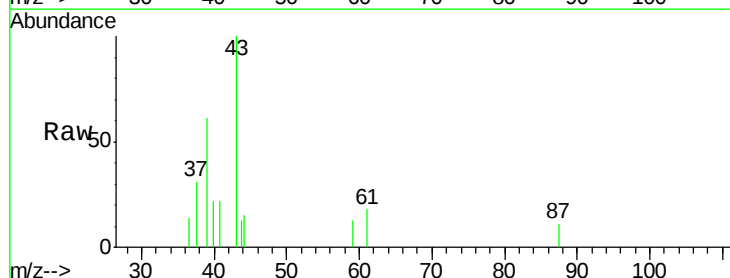
Tgt Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

61 9.5 13.4 20.2#

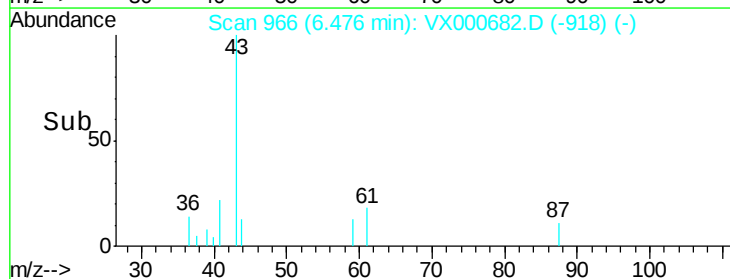
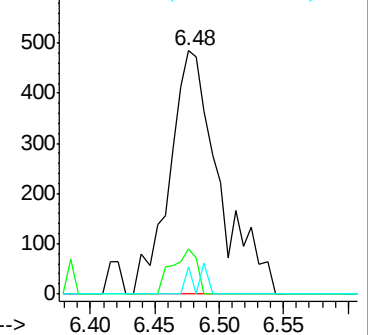
87 3.2 9.4 14.0#

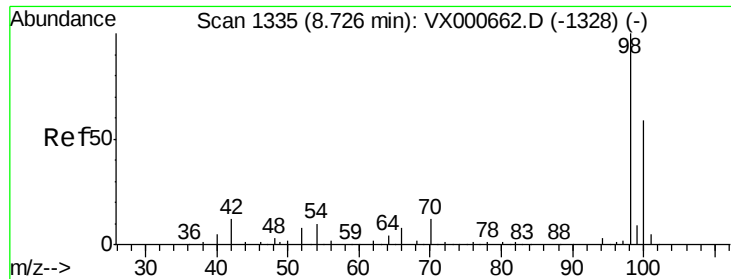


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 43.12 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampled :

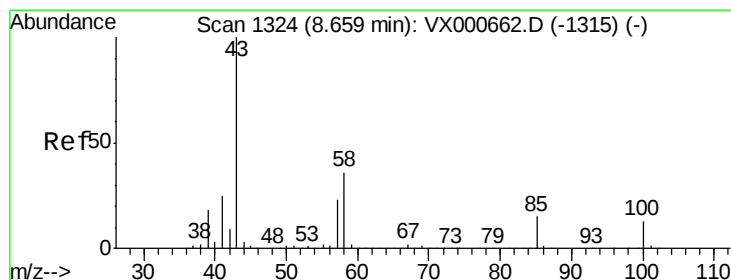
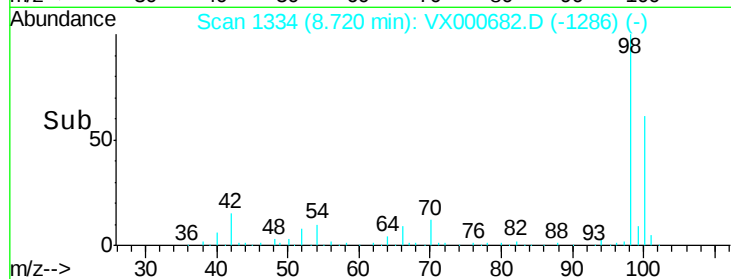
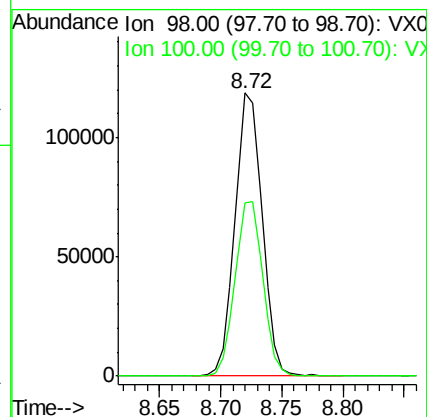
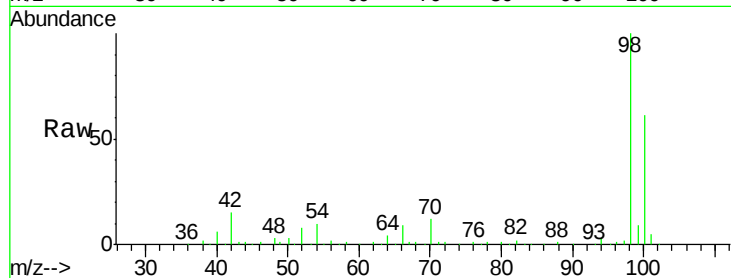
TR-05-040318

Tgt Ion: 98 Resp: 182476

Ion Ratio Lower Upper

98 100

100 63.1 51.0 76.6



#51

4-Methyl-2-Pentanone

Concen: 0.28 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000682.D

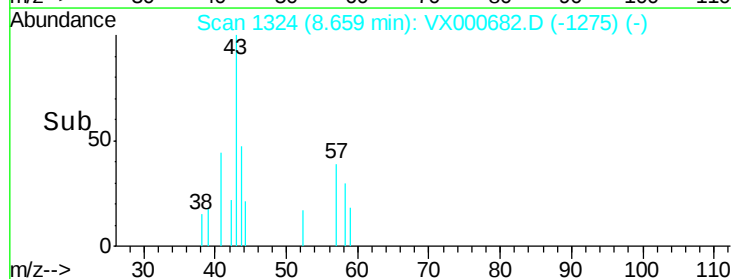
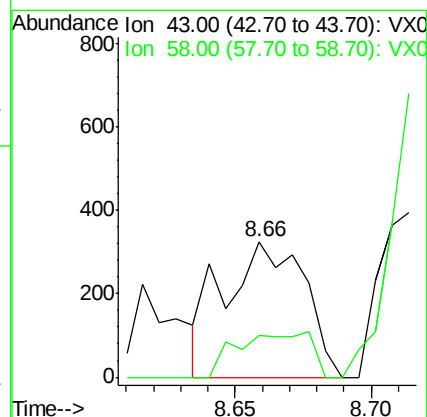
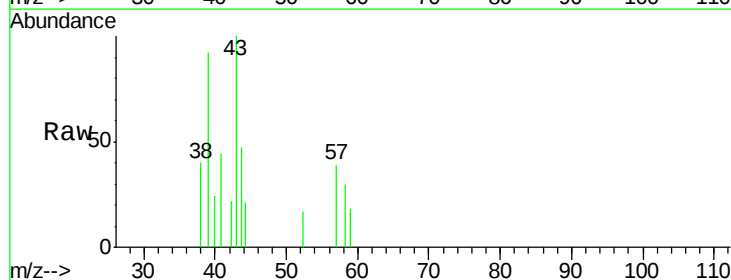
Acq: 05 Apr 2018 02:23

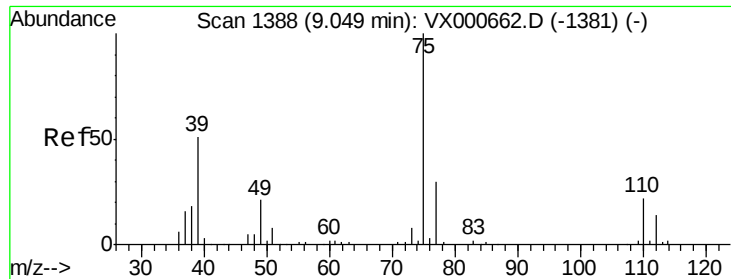
Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

58 30.2 28.2 42.2

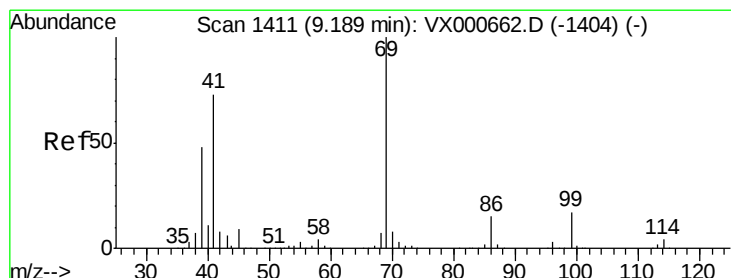
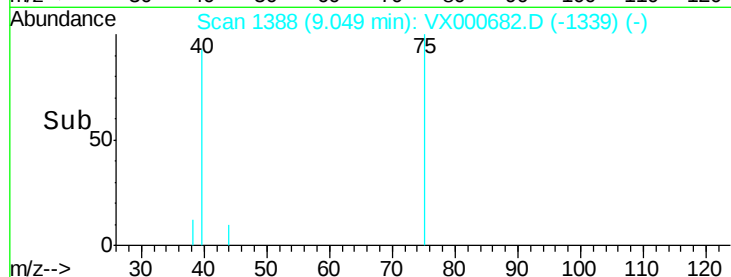
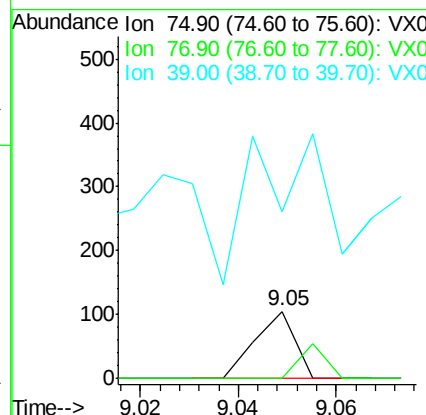
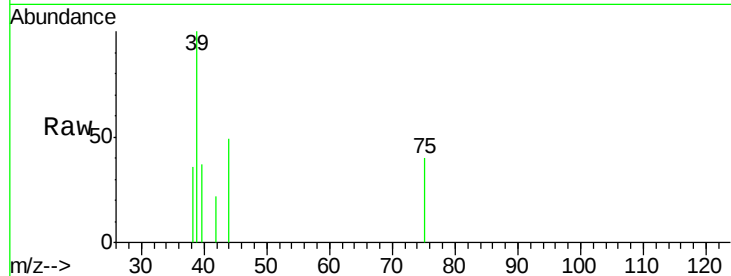




#54
 cis-1,3-Dichloropropene
 Concen: 4.20 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000682.D
 Acq: 05 Apr 2018 02:23

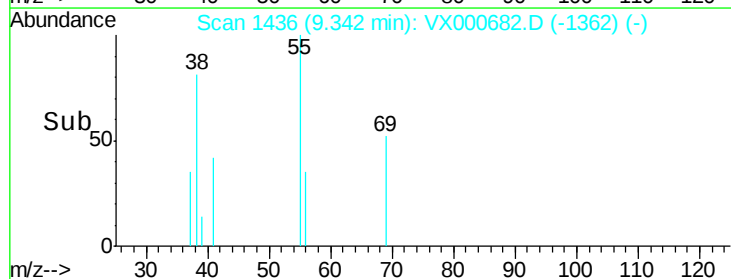
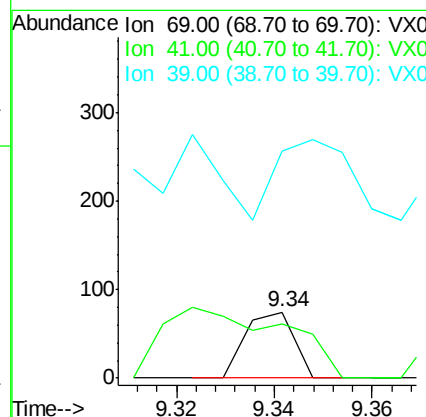
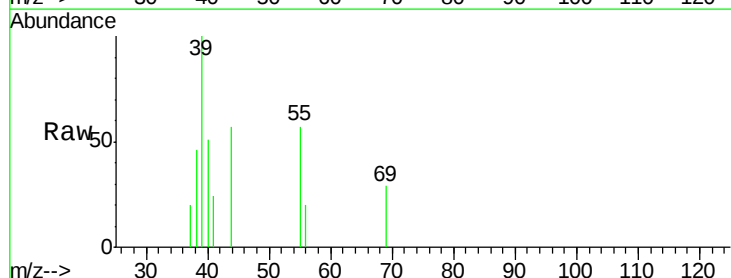
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-040318

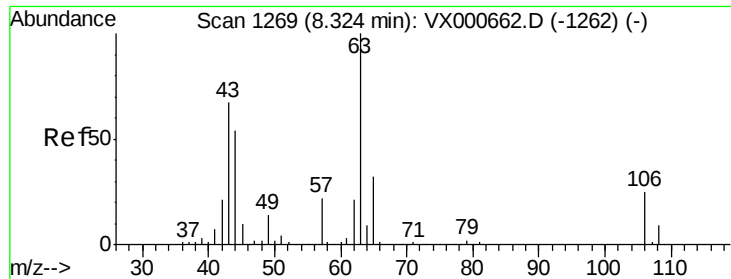
Tgt Ion: 75 Resp: 58
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#
 39 156.7 40.7 61.1#



#56
 Ethyl methacrylate
 Concen: 4.35 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.15 min
 Lab File: VX000682.D
 Acq: 05 Apr 2018 02:23

Tgt Ion: 69 Resp: 52
 Ion Ratio Lower Upper
 69 100
 41 0.0 56.5 84.7#
 39 182.7 39.8 59.8#

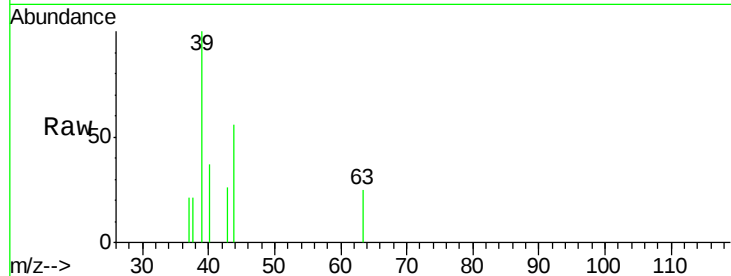




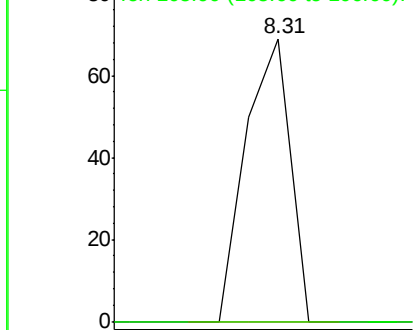
#58
 2-Chloroethyl Vinyl ether
 Concen: 15.59 ug/l
 RT: 8.31 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: VX000682.D
 Acq: 05 Apr 2018 02:23

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-040318

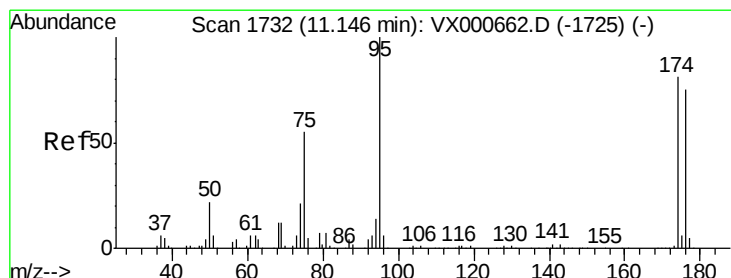
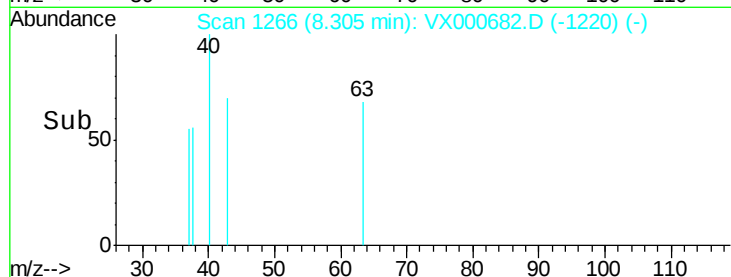
Tgt Ion: 63 Resp: 44
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.5 30.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 105.90 (105.60 to 106.60): V

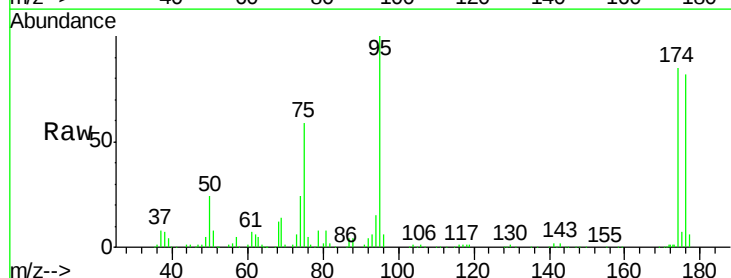


Time-->

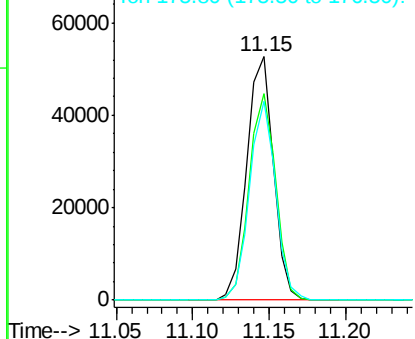


#62
 4-Bromofluorobenzene
 Concen: 38.19 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VX000682.D
 Acq: 05 Apr 2018 02:23

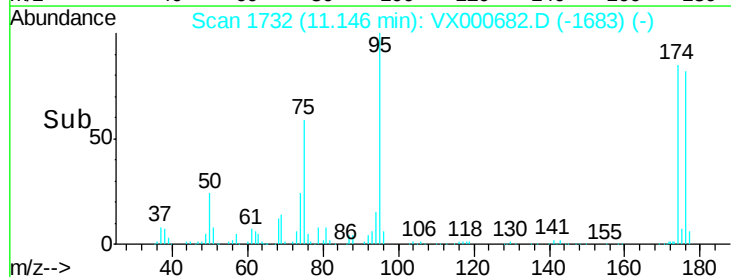
Tgt Ion: 95 Resp: 63969
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 156.8
 176 80.2 0.0 150.6

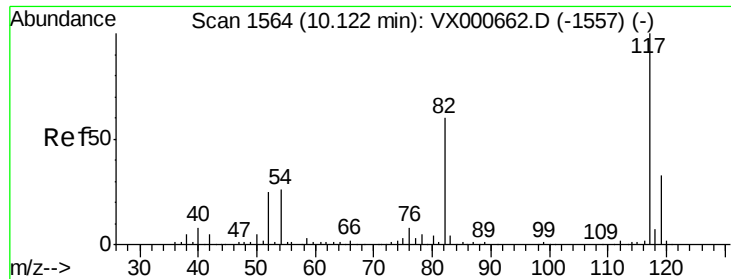


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V



Time-->

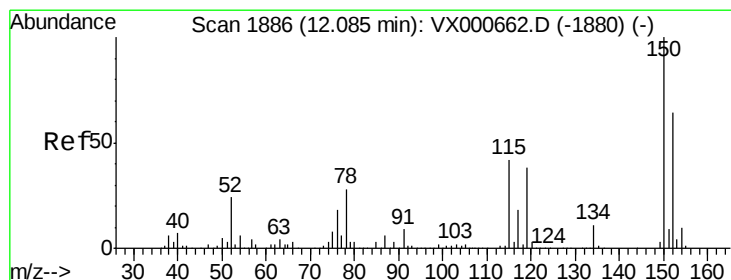
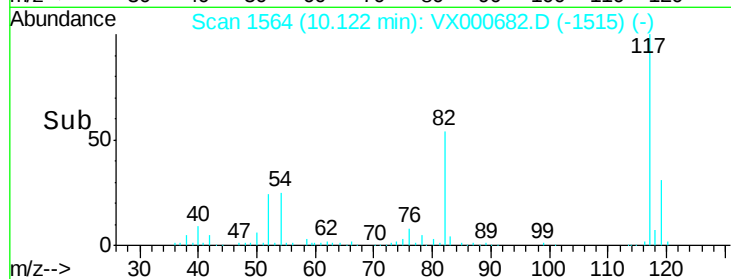
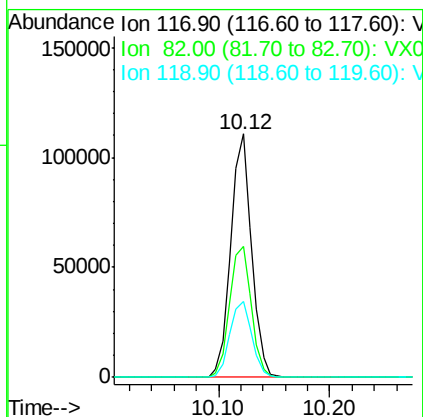
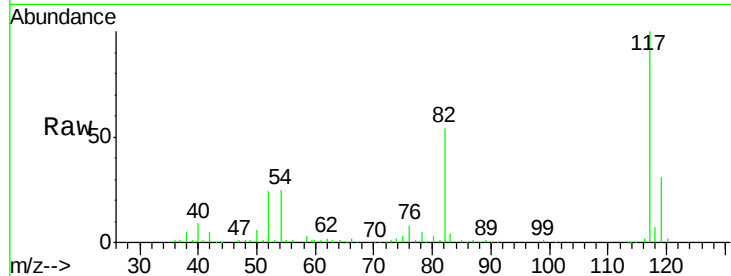




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000682.D
Acq: 05 Apr 2018 02:23

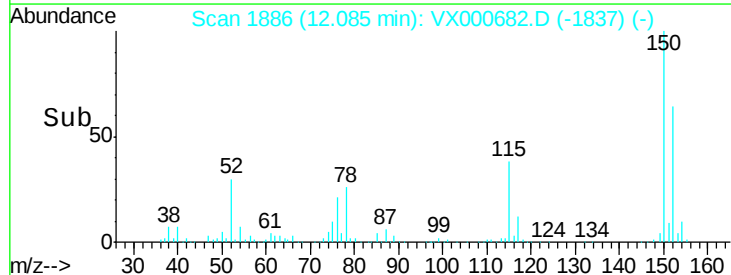
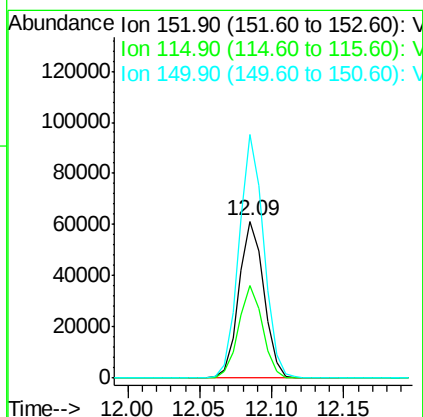
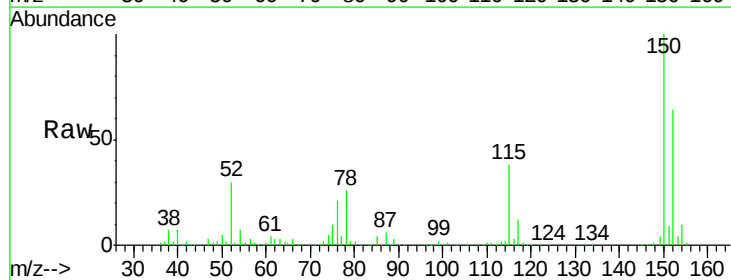
Instrument :
MSVOA_X
ClientSampled :
TR-05-040318

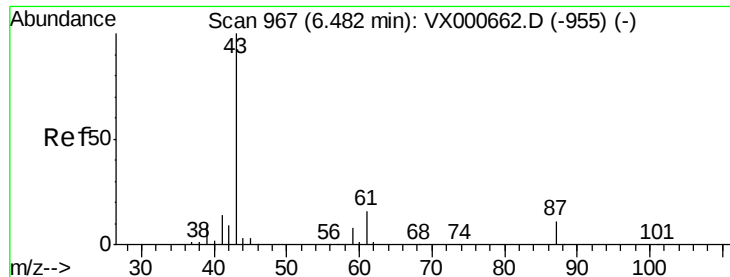
Tgt Ion:117 Resp: 142129
Ion Ratio Lower Upper
117 100
82 53.9 48.3 72.5
119 31.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000682.D
Acq: 05 Apr 2018 02:23

Tgt Ion:152 Resp: 74075
Ion Ratio Lower Upper
152 100
115 56.7 41.9 125.8
150 153.2 0.0 348.0





#74

N-ethyl acetate

Concen: 0.54 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

TR-05-040318

Tgt Ion: 43 Resp: 1297

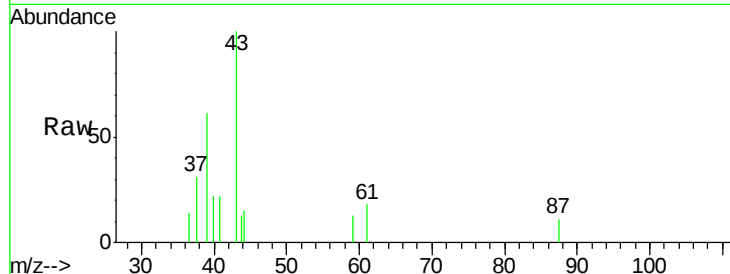
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 2.0 0.0 0.0#

61 9.5 13.4 20.2#

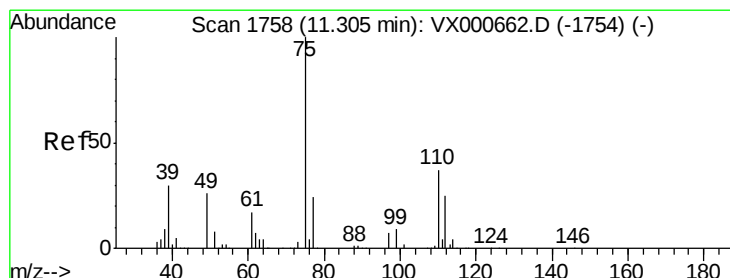
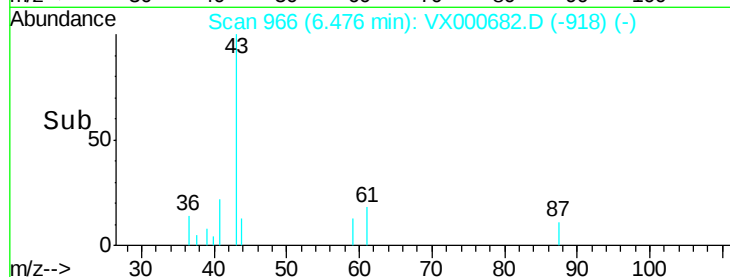
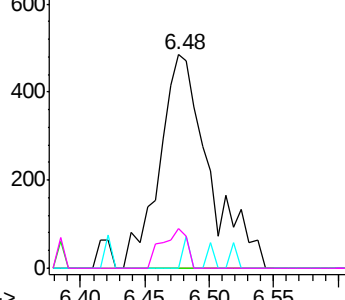


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.04 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000682.D

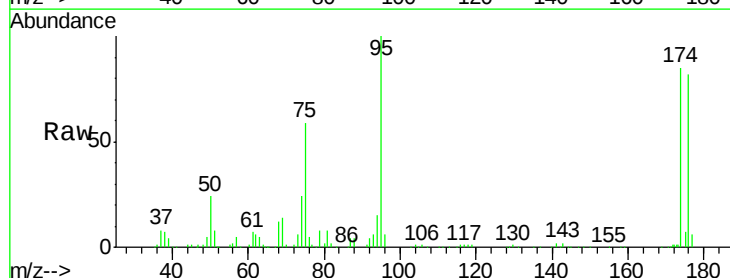
Acq: 05 Apr 2018 02:23

Tgt Ion: 75 Resp: 38838

Ion Ratio Lower Upper

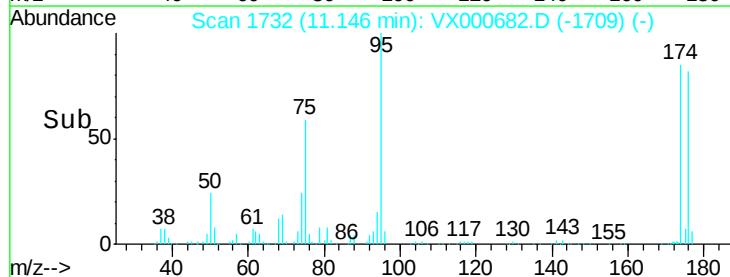
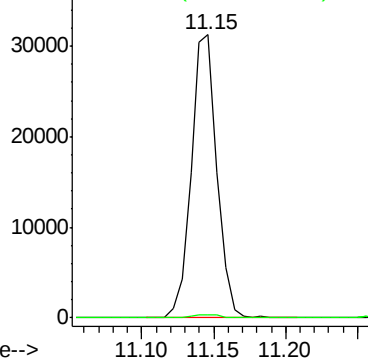
75 100

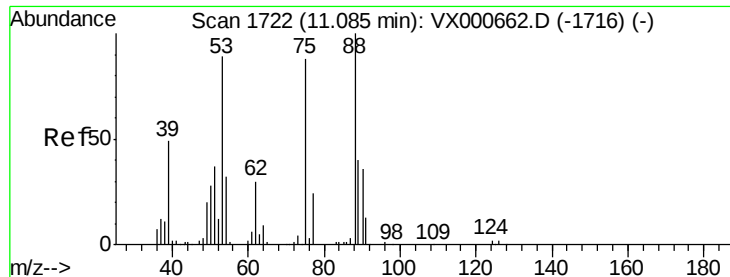
77 1.1 20.2 60.6#



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: 86.20 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

TR-05-040318

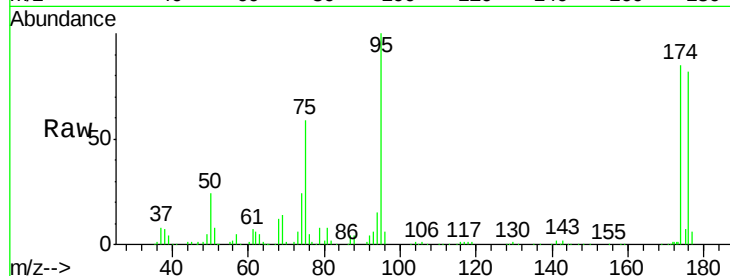
Tgt Ion: 75 Resp: 38838

Ion Ratio Lower Upper

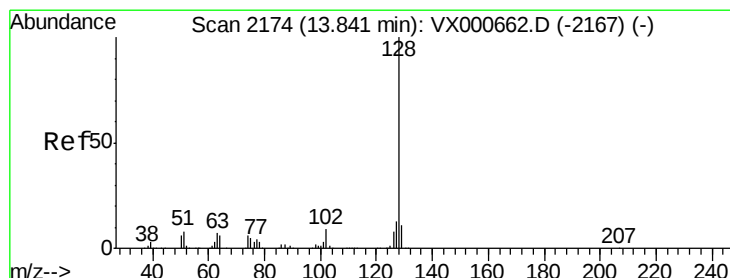
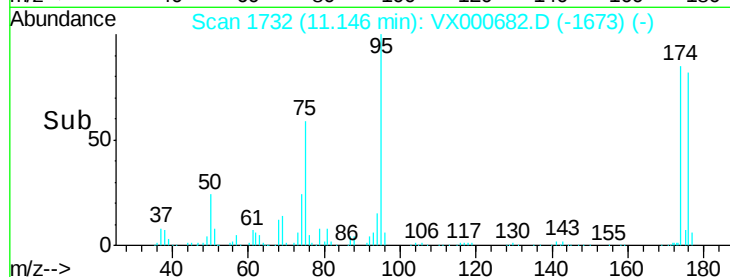
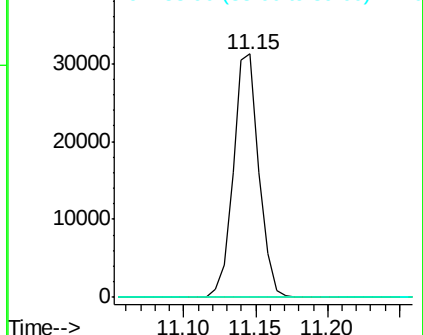
75 100

53 0.1 85.7 128.5#

89 0.0 36.3 54.5#



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: 3.53 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000682.D

Acq: 05 Apr 2018 02:23

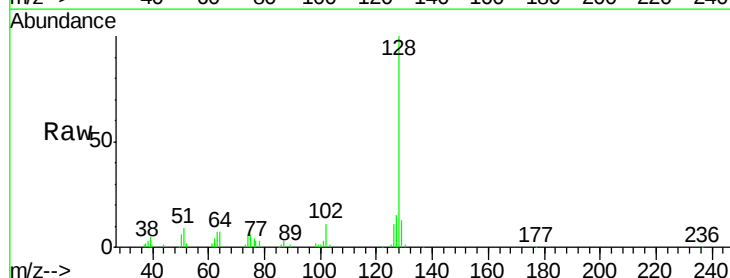
Tgt Ion: 128 Resp: 19683

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

129 12.3 8.9 13.3



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

