

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005440.D
 Acq On : 18 Oct 2018 19:43
 Operator : JC/MD
 Sample : J5200-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-01-101618-B

Quant Time: Oct 19 03:35:49 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	302258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	428018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184110	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	170972	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	5.50	113	136853	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.72	98	505734	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.14	95	167036	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	

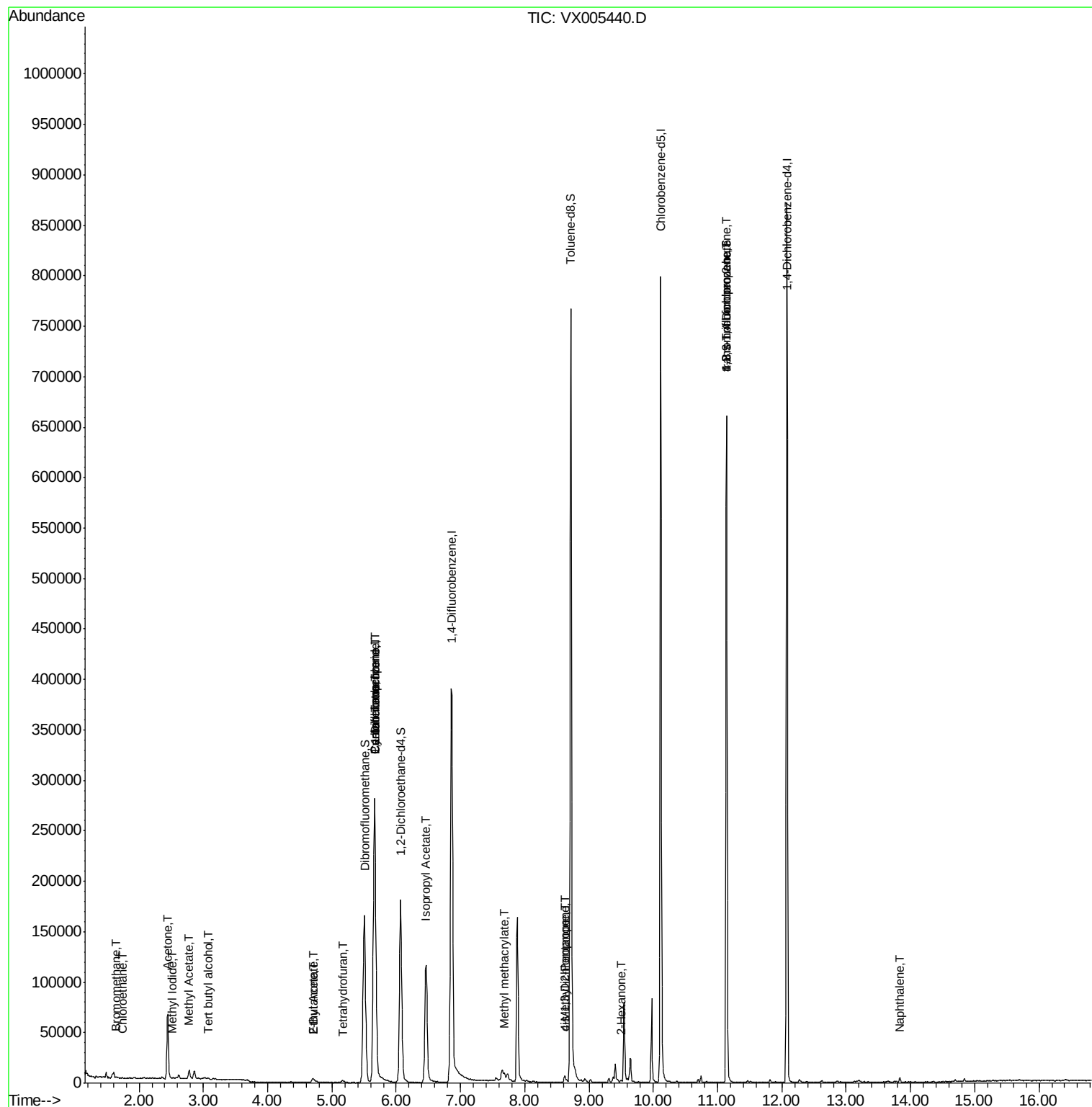
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	120	0.645	ug/l #	3
6) Chloroethane	1.75	64	519	0.563	ug/l #	44
10) Methyl Iodide	2.52	142	43	2.503	ug/l #	41
11) Tert butyl alcohol	3.07	59	1114	1.177	ug/l #	73
13) Acrolein	2.31	56	205	Below Cal		95
16) Acetone	2.45	43	67258	34.676	ug/l	100
18) Methyl Acetate	2.78	43	10838	1.964	ug/l	99
20) Methylene Chloride	2.85	84	3202	Below Cal		94
25) 2-Butanone	4.71	43	7288	2.568	ug/l #	88
29) Tetrahydrofuran	5.17	42	2008	1.109	ug/l #	77
31) Cyclohexane	5.67	56	5304	1.150	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19369	4.672	ug/l #	49
37) Ethyl Acetate	4.71	43	7288	1.367	ug/l #	69
38) Carbon Tetrachloride	5.67	117	25871	6.211	ug/l #	16
43) Isopropyl Acetate	6.46	43	162863	22.934	ug/l	98
44) Trichloroethene	7.22	130	22	Below Cal		81
48) Methyl methacrylate	7.69	41	6470	1.757	ug/l #	21
51) 4-Methyl-2-Pentanone	8.62	43	2112	0.430	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	927	0.212	ug/l #	74
59) 2-Hexanone	9.51	43	1089	0.275	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	82014	22.965	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	82014	69.780	ug/l #	10
95) Naphthalene	13.83	128	2804	0.221	ug/l #	94

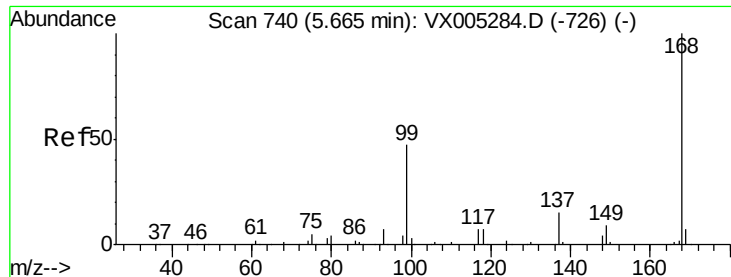
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 18 Oct 2018 19:43
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Quant Time: Oct 19 03:35:49 2018
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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

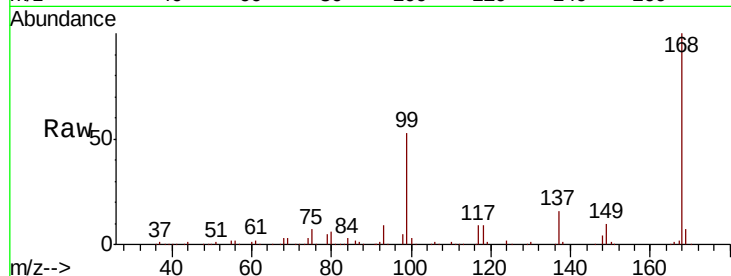
OR-01-101618-B

Tot Ion:168 Resp: 302258

Ion Ratio Lower Upper

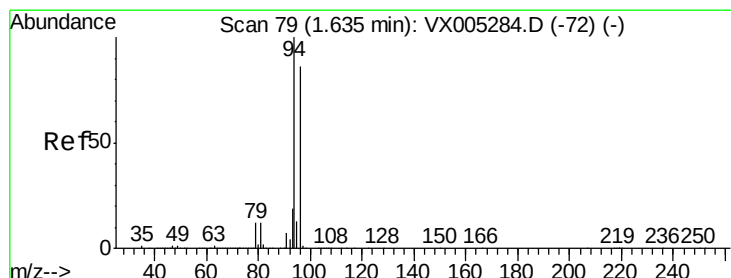
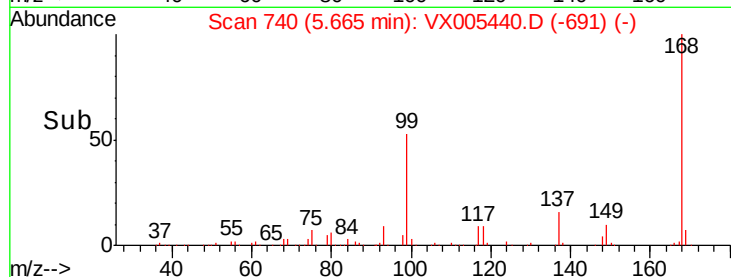
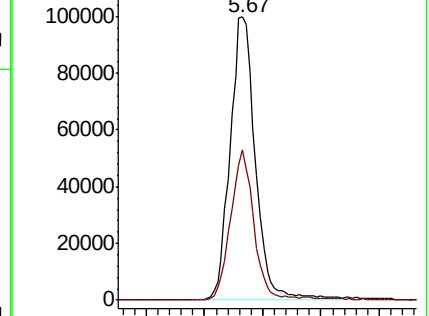
168 100

99 52.9 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: 0.645 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005440.D

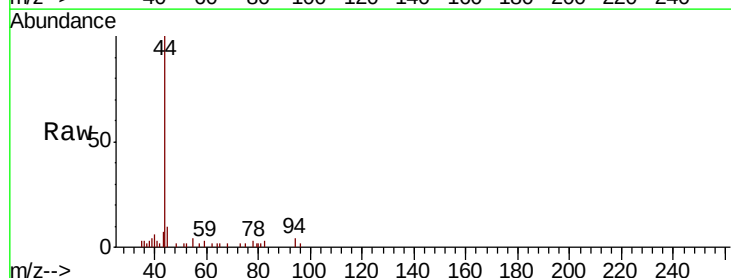
Acq: 18 Oct 2018 19:43

Tgt Ion: 94 Resp: 120

Ion Ratio Lower Upper

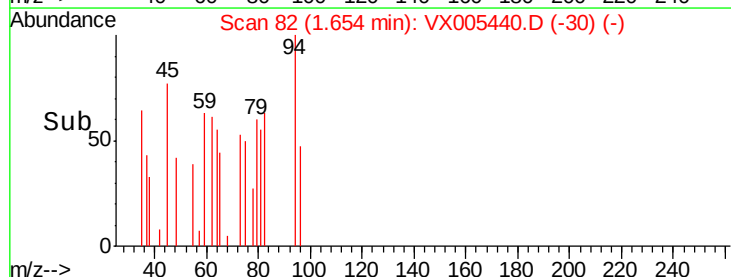
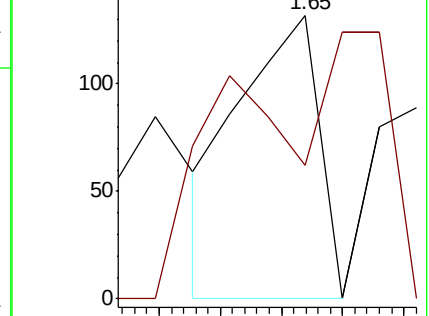
94 100

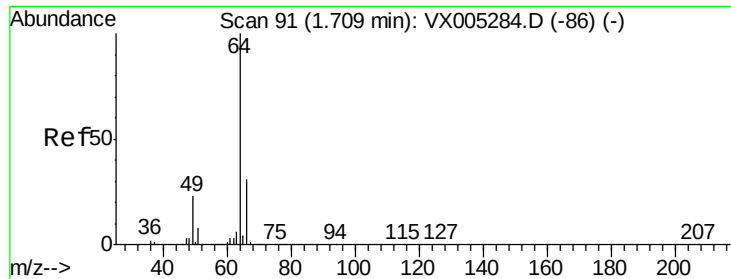
96 0.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.563 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

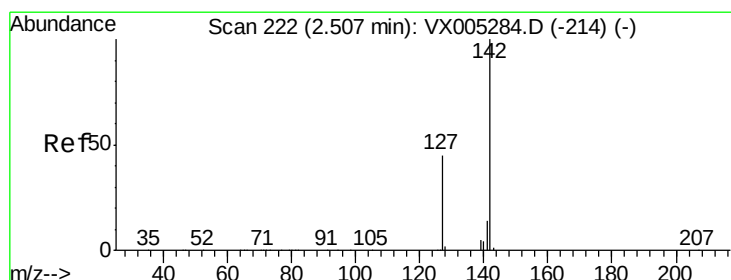
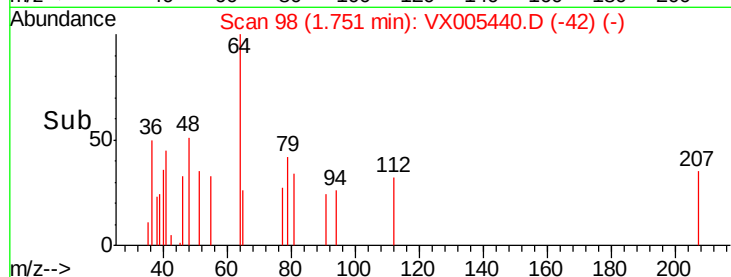
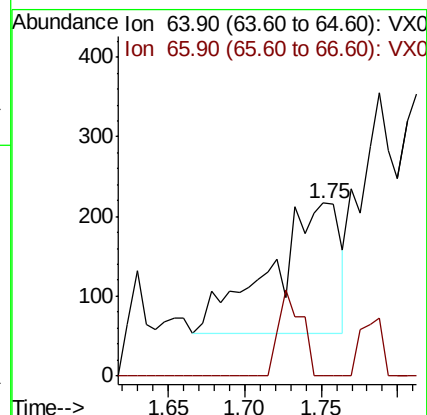
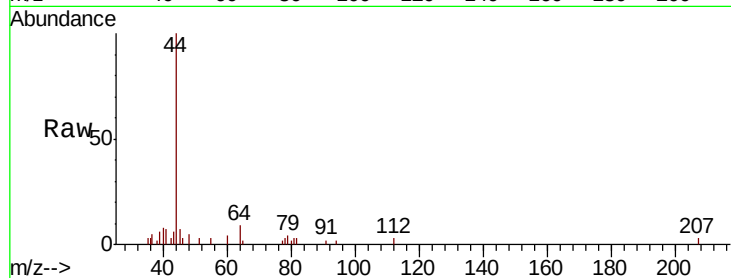
OR-01-101618-B

Tot Ion: 64 Resp: 519

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.503 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

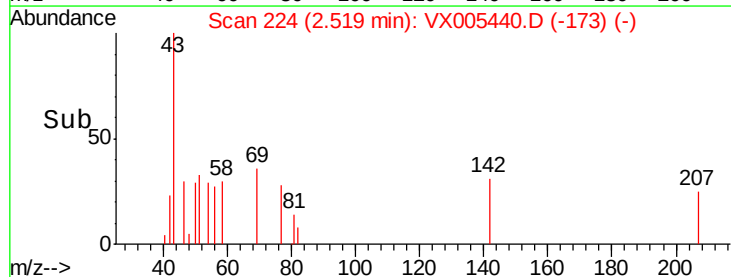
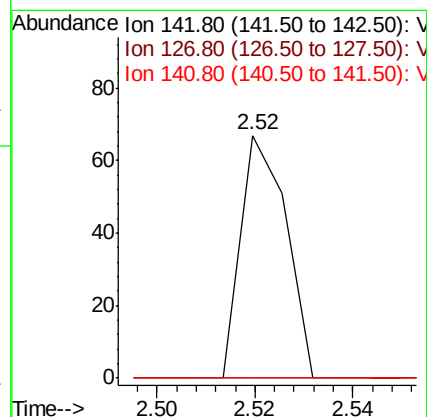
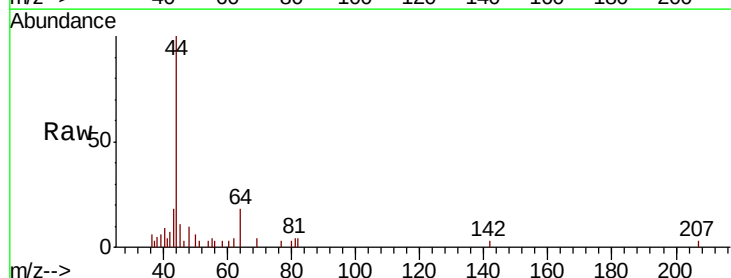
Tgt Ion: 142 Resp: 43

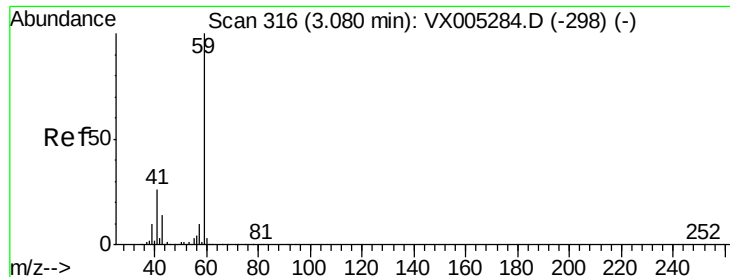
Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 0.0 11.4 17.0#



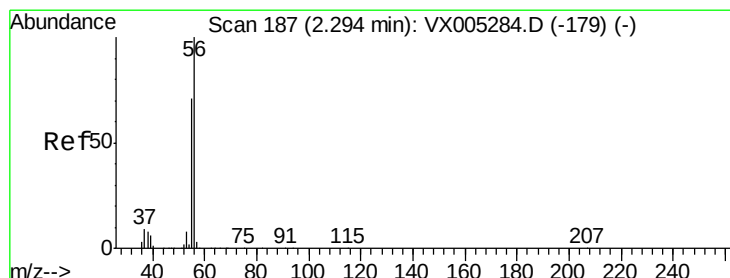
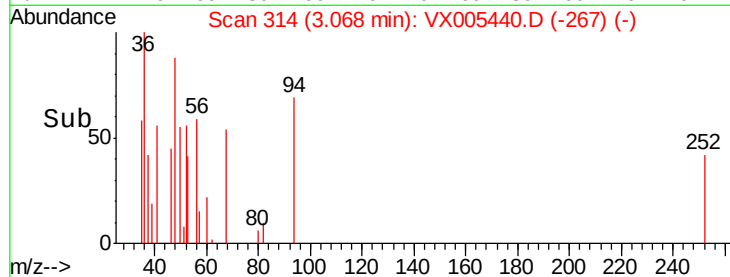
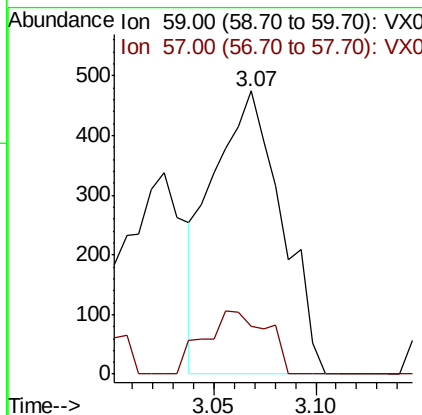
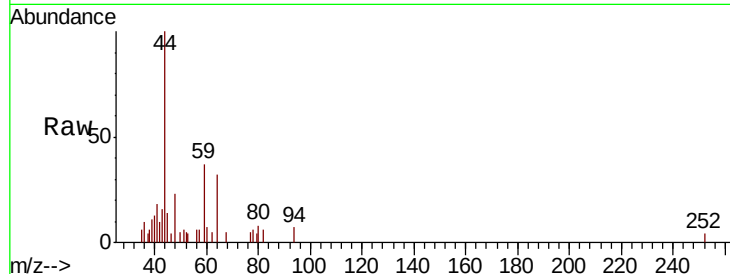


#11

Tert butyl alcohol
 Concen: 1.177 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005440.D
 Acq: 18 Oct 2018 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-01-101618-B

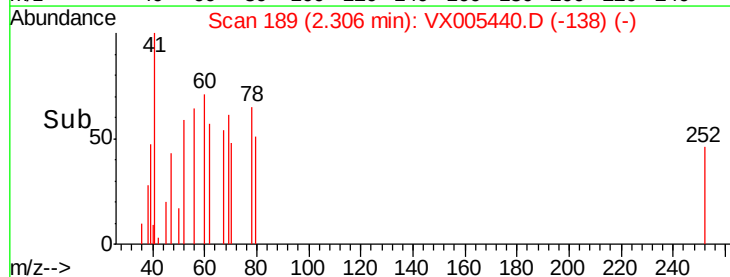
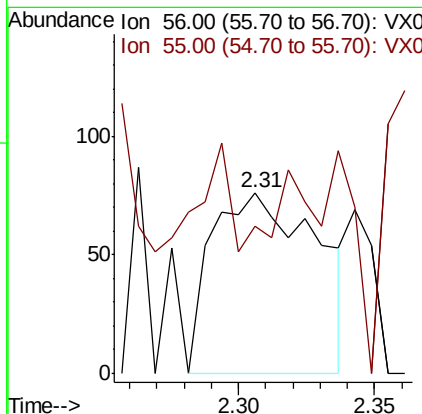
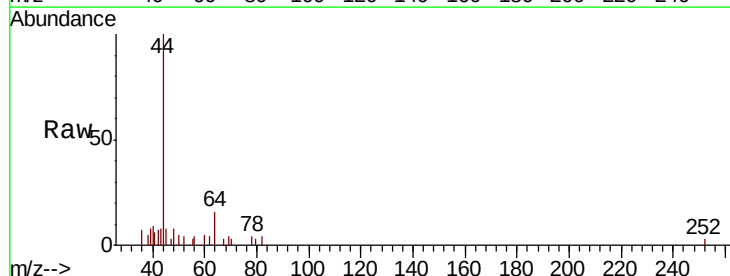
Tot Ion: 59 Resp: 1114
 Ion Ratio Lower Upper
 59 100
 57 20.5 8.2 12.4#

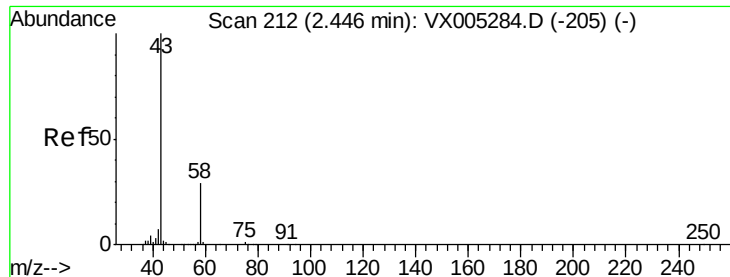


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX005440.D
 Acq: 18 Oct 2018 19:43

Tgt Ion: 56 Resp: 205
 Ion Ratio Lower Upper
 56 100
 55 72.7 54.7 82.1





#16

Acetone

Concen: 34.676 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

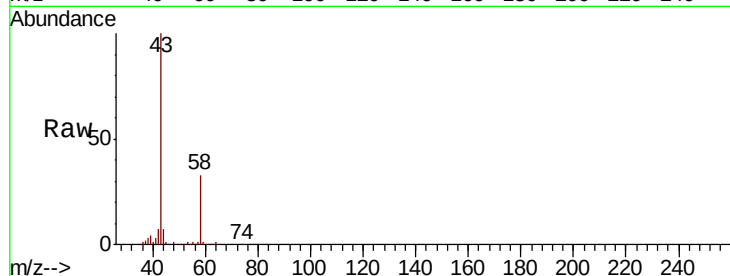
OR-01-101618-B

Tot Ion: 43 Resp: 67258

Ion Ratio Lower Upper

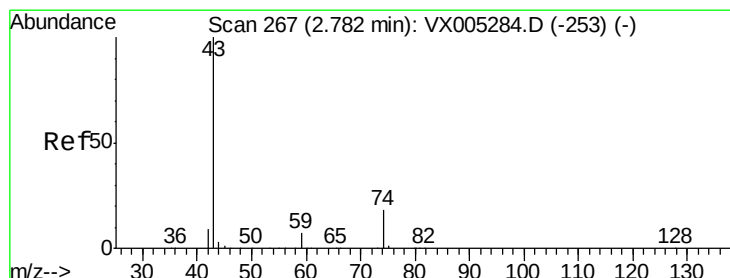
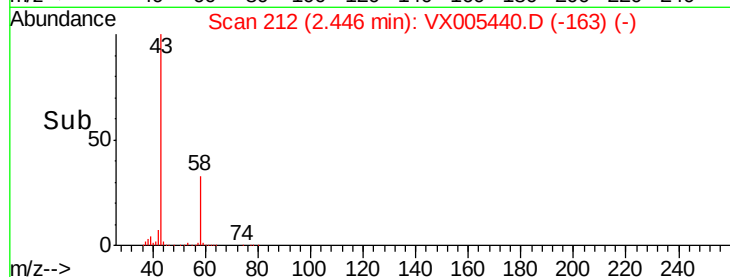
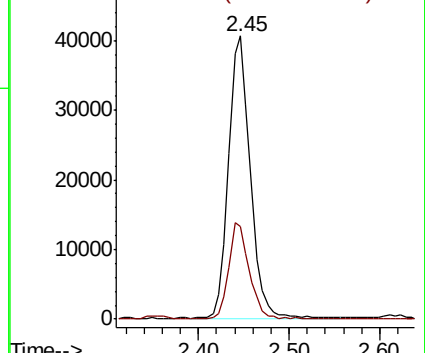
43 100

58 32.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.964 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005440.D

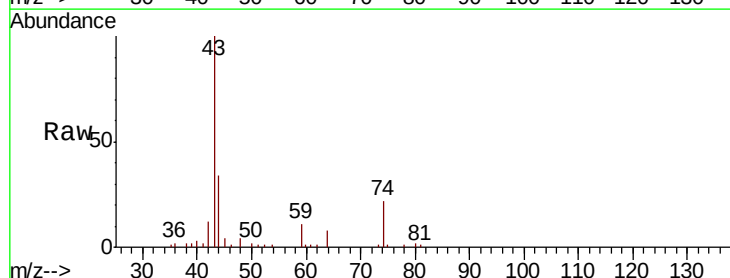
Acq: 18 Oct 2018 19:43

Tgt Ion: 43 Resp: 10838

Ion Ratio Lower Upper

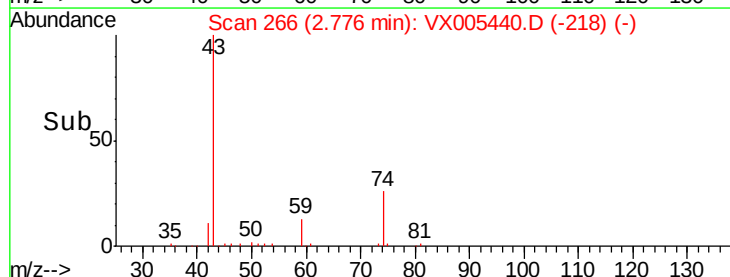
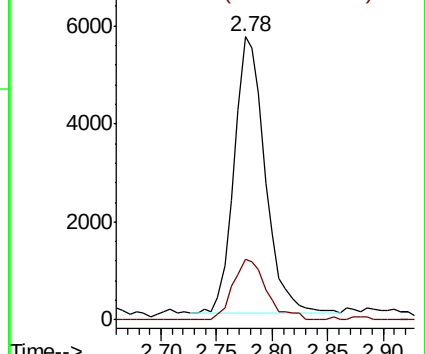
43 100

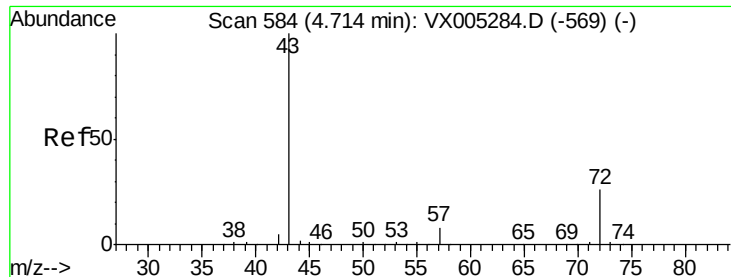
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 2.568 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

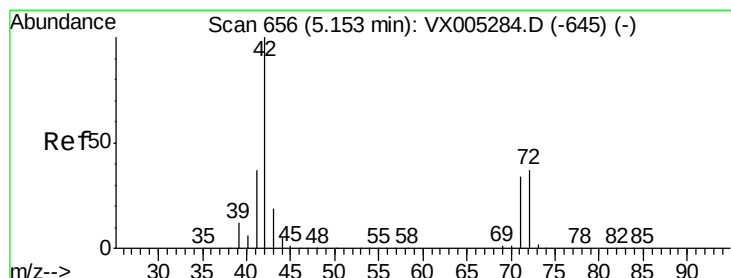
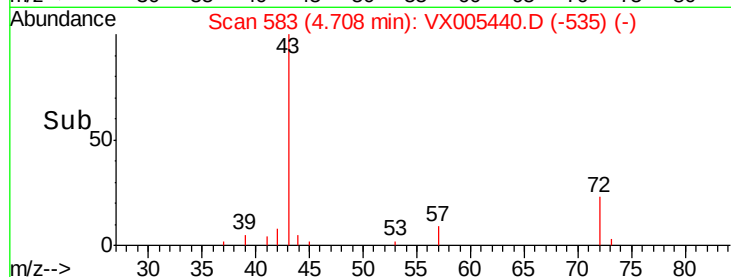
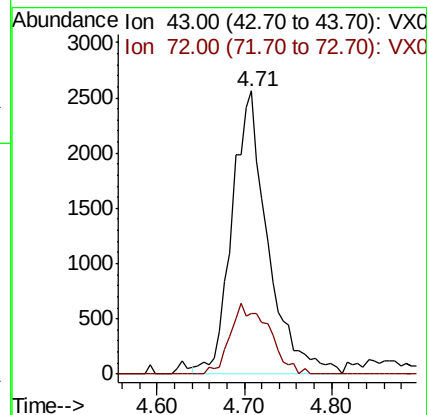
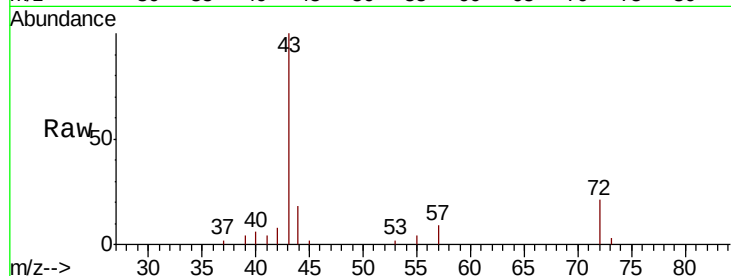
OR-01-101618-B

Tot Ion: 43 Resp: 7288

Ion Ratio Lower Upper

43 100

72 21.5 22.0 33.0#



#29

Tetrahydrofuran

Concen: 1.109 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

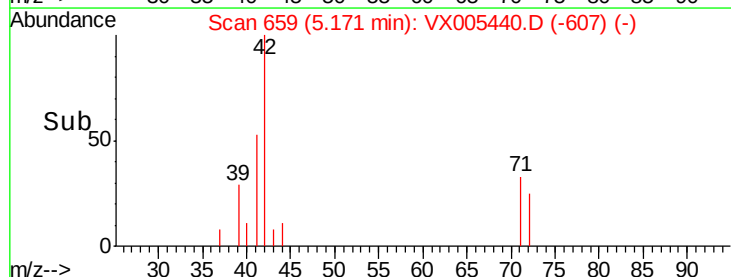
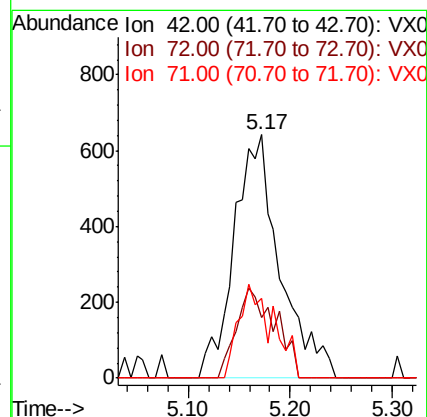
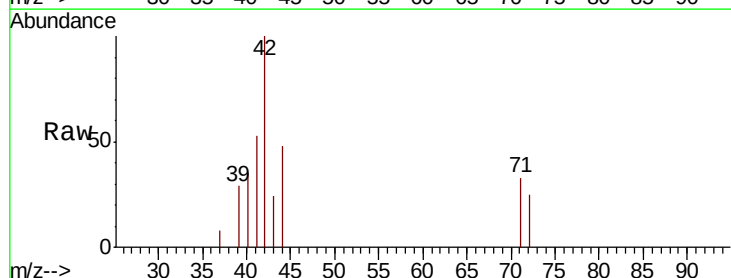
Tgt Ion: 42 Resp: 2008

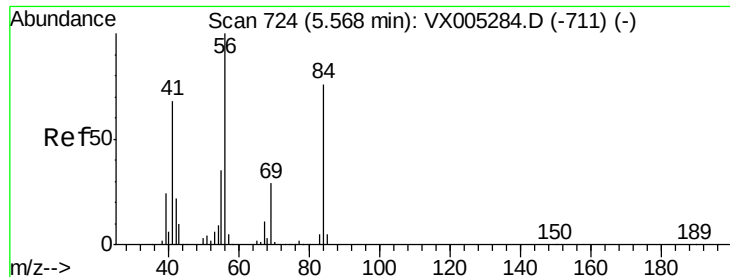
Ion Ratio Lower Upper

42 100

72 31.4 37.4 56.0#

71 29.0 34.5 51.7#

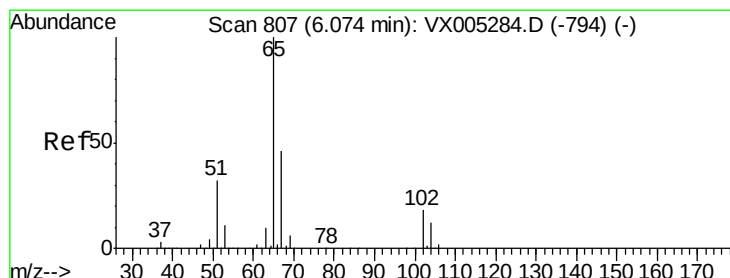
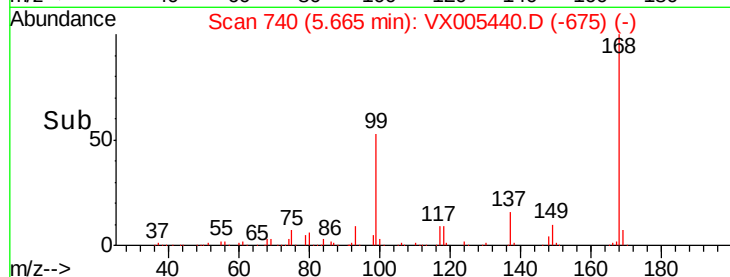
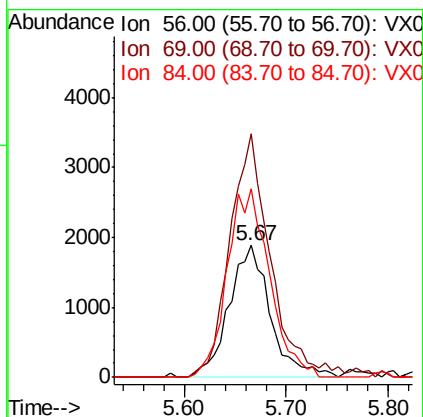
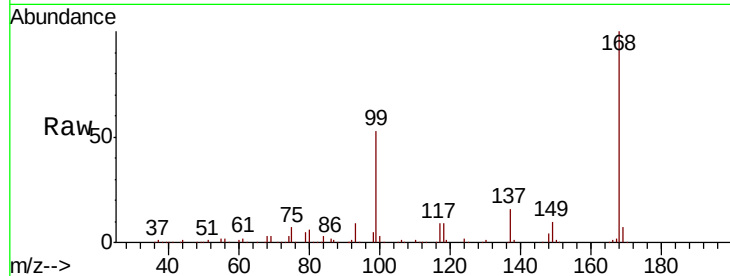




#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

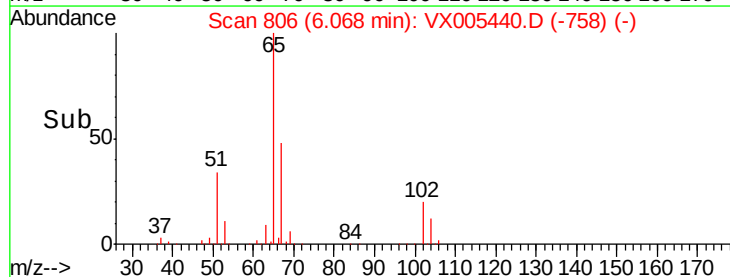
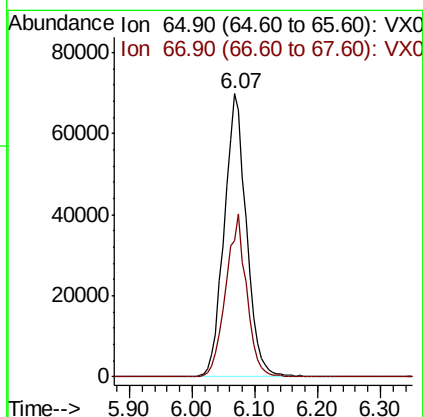
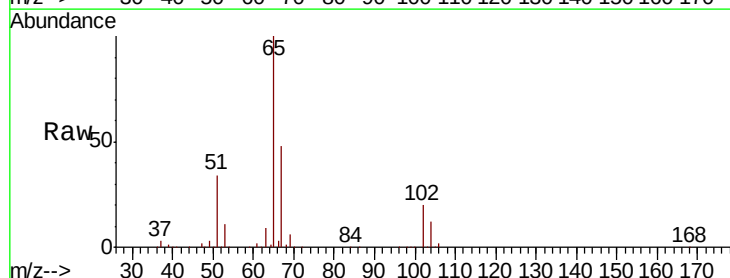
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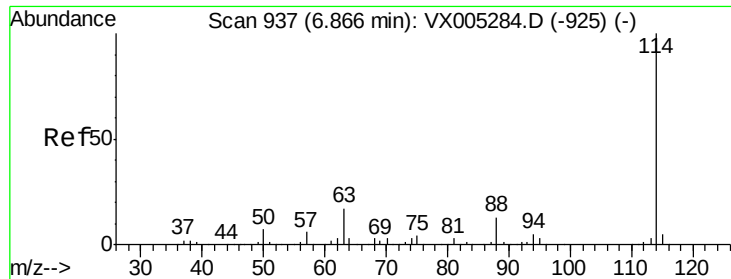
Tot Ion: 56 Resp: 5304
Ion Ratio Lower Upper
56 100
69 184.8 25.4 38.2#
84 143.0 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 50.966 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

Tgt Ion: 65 Resp: 170972
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.8

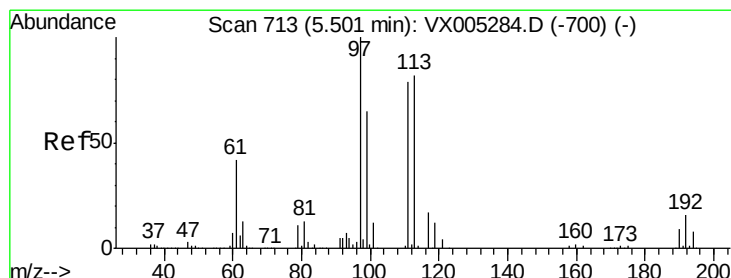
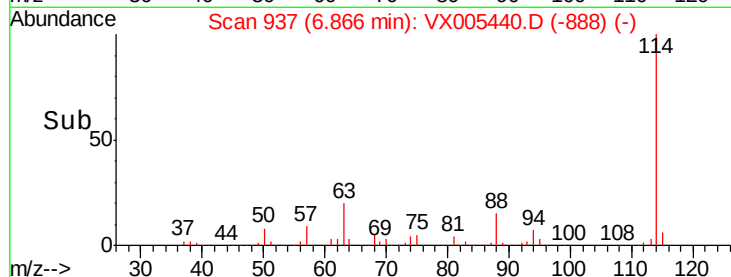
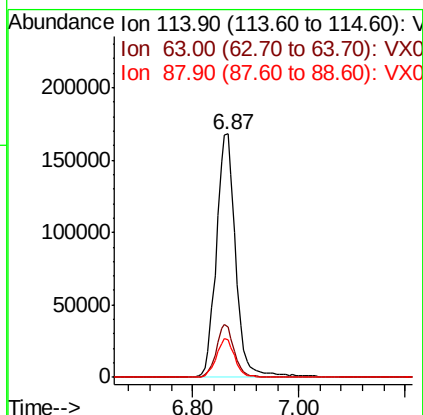
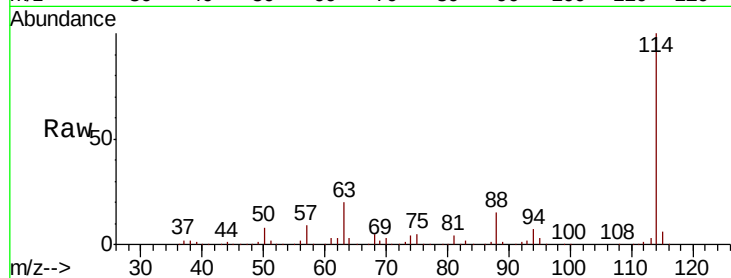




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.00 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

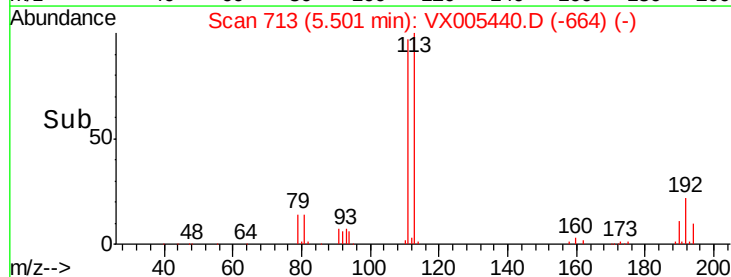
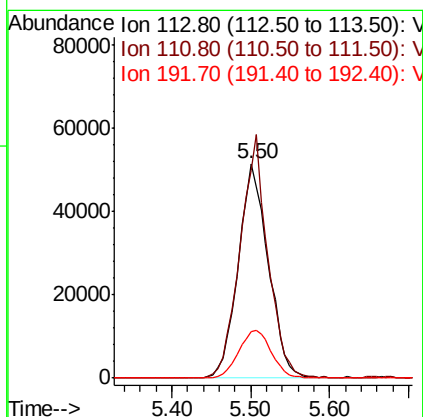
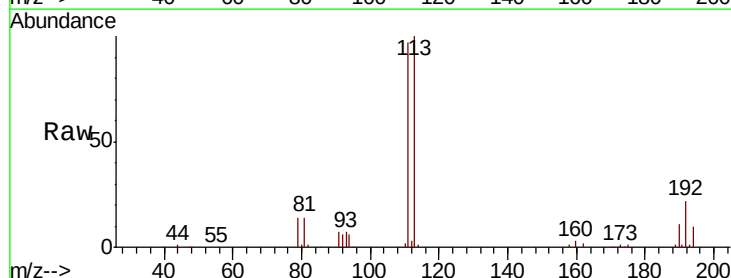
Instrument :
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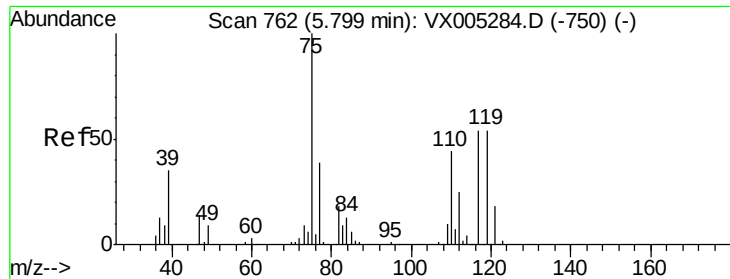
Tot Ion:114 Resp: 428018
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.0
88 15.4 0.0 30.4



#35
Dibromofluoromethane
Concen: 48.275 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

Tgt Ion:113 Resp: 136853
Ion Ratio Lower Upper
113 100
111 104.5 82.4 123.6
192 24.1 19.4 29.2

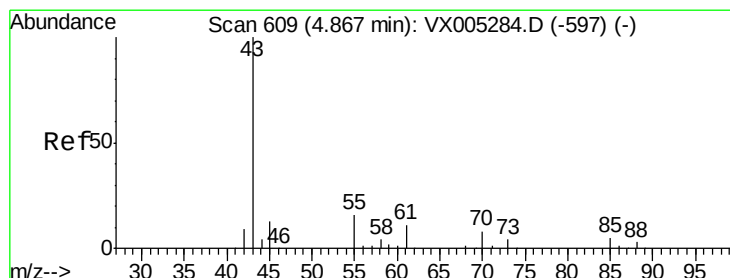
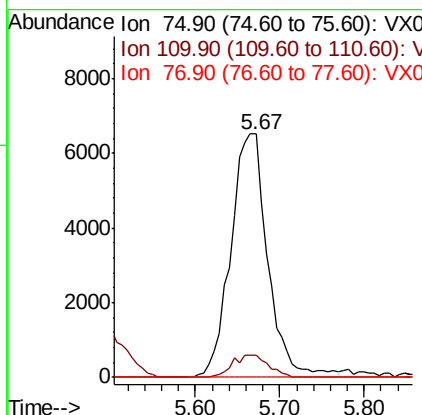
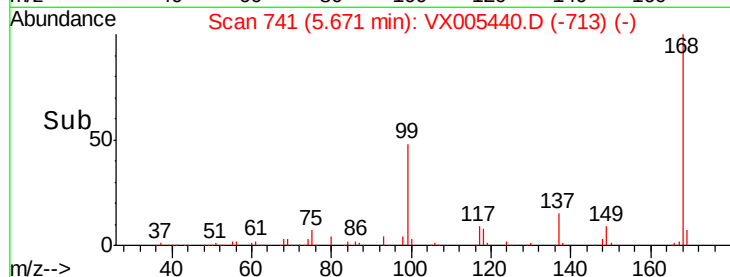
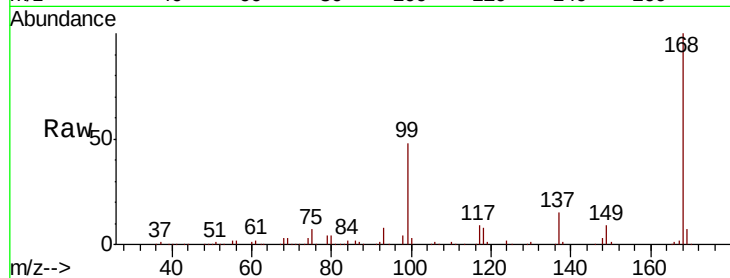




#36
 1,1-Dichloropropene
 Concen: 4.672 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005440.D
 Acq: 18 Oct 2018 19:43

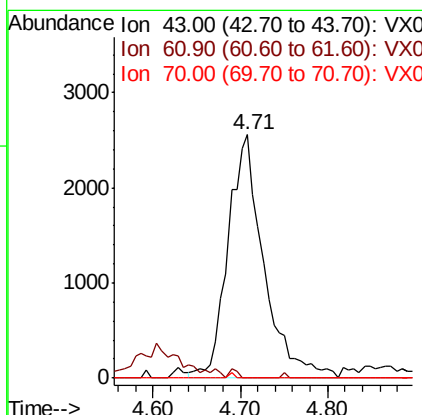
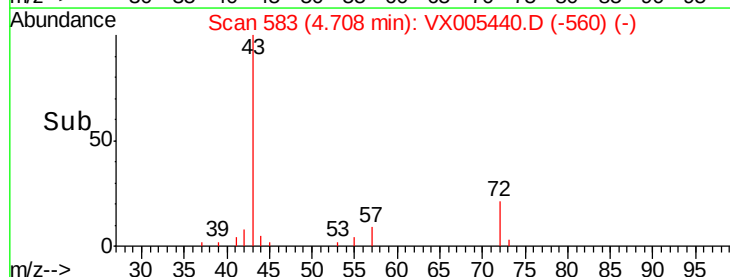
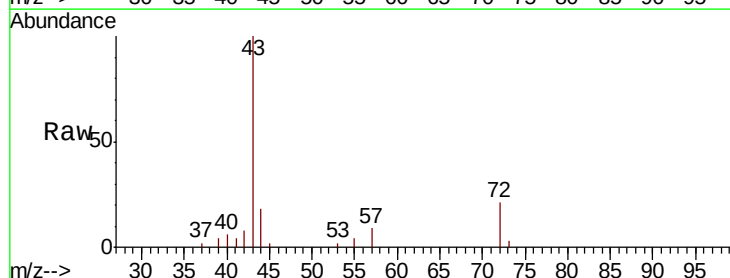
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-01-101618-B

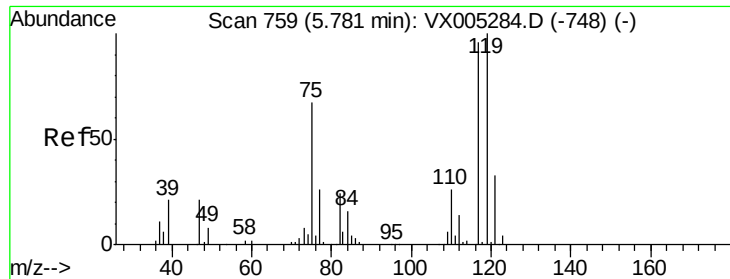
Tot Ion	75	Resp	19369
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	18.0	54.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 1.367 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.16 min
 Lab File: VX005440.D
 Acq: 18 Oct 2018 19:43

Tgt Ion	43	Resp	7288
Ion Ratio	100	Lower	Upper
43	100		
61	0.8	11.5	17.3#
70	0.3	9.0	13.6#





#38

Carbon Tetrachloride

Concen: 6.211 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

OR-01-101618-B

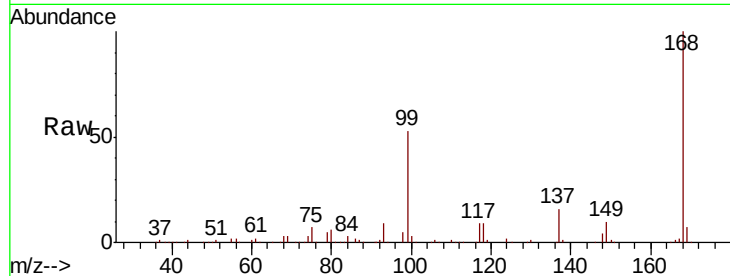
Tot Ion:117 Resp: 25871

Ion Ratio Lower Upper

117 100

119 6.1 78.8 118.2#

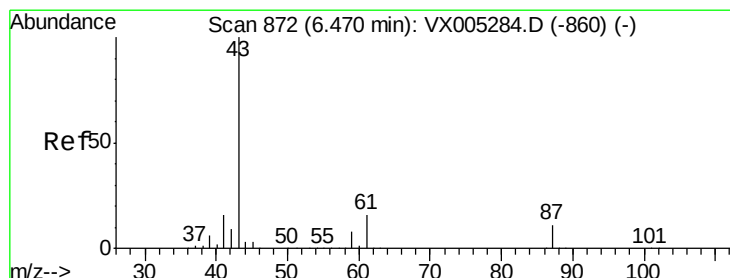
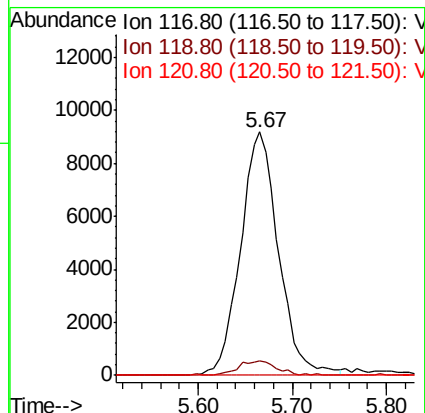
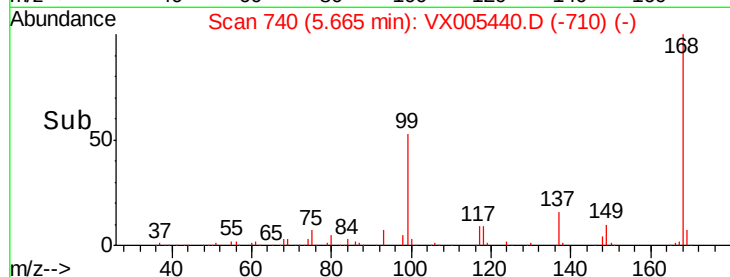
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 22.934 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

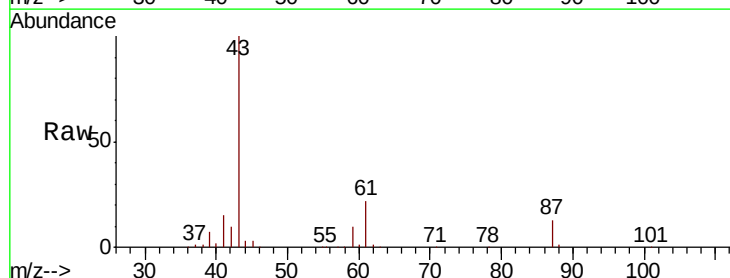
Tgt Ion: 43 Resp: 162863

Ion Ratio Lower Upper

43 100

61 20.2 17.0 25.4

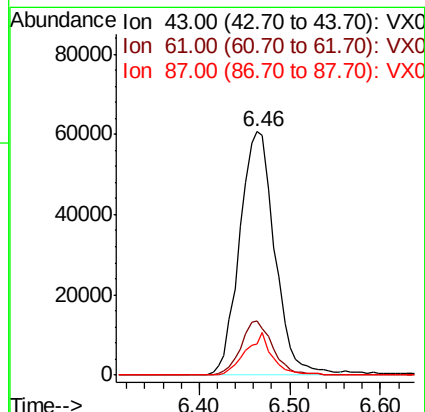
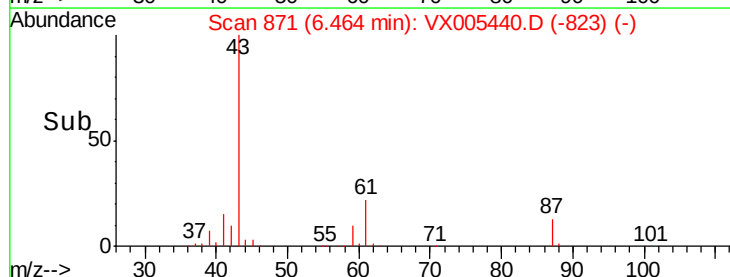
87 13.5 11.4 17.2

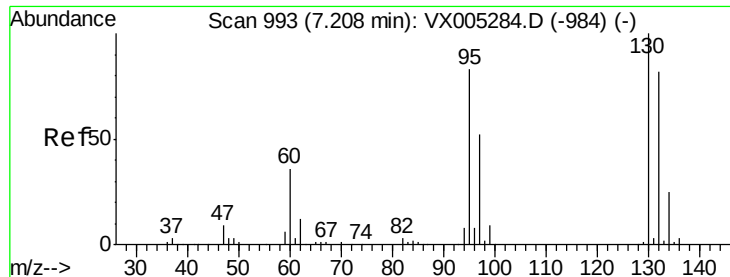


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

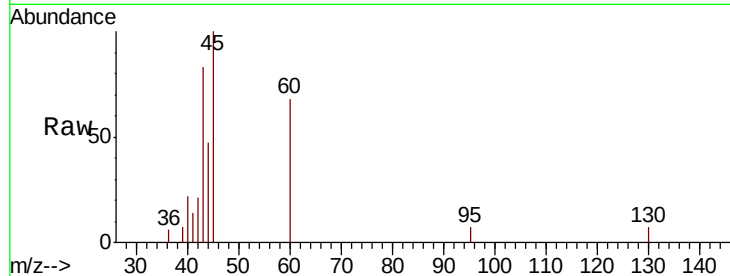
OR-01-101618-B

Tot Ion:130 Resp: 22

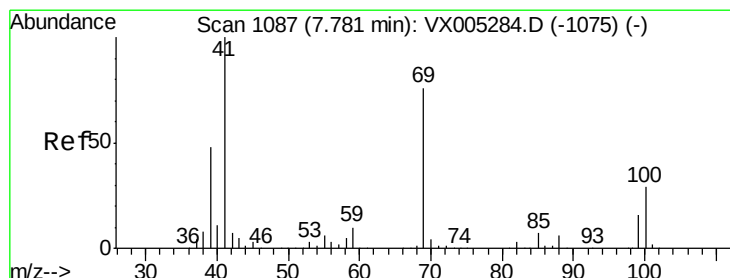
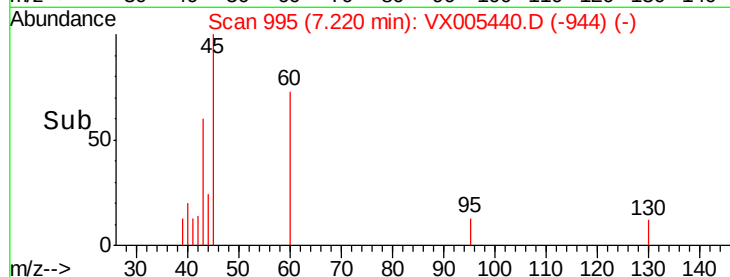
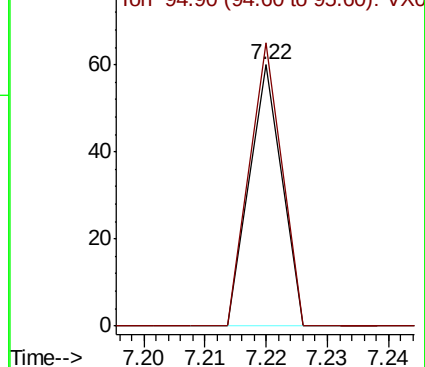
Ion Ratio Lower Upper

130 100

95 108.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005440.D (-944) (-)



#48

Methyl methacrylate

Concen: 1.757 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

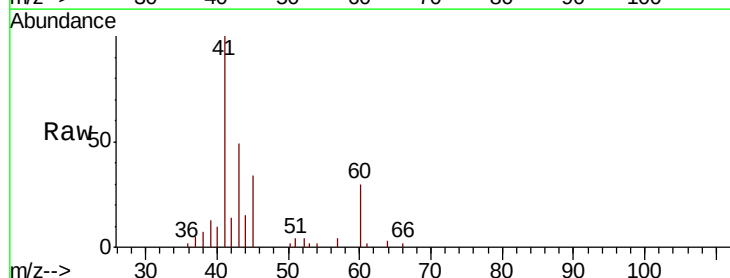
Tgt Ion: 41 Resp: 6470

Ion Ratio Lower Upper

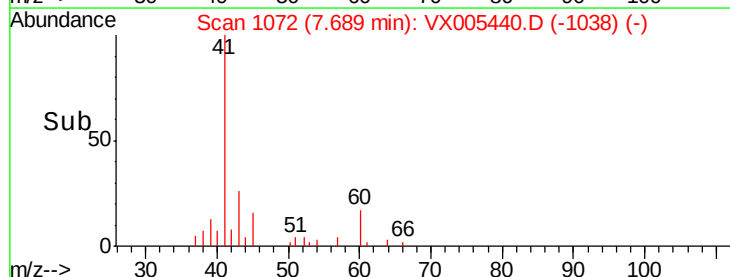
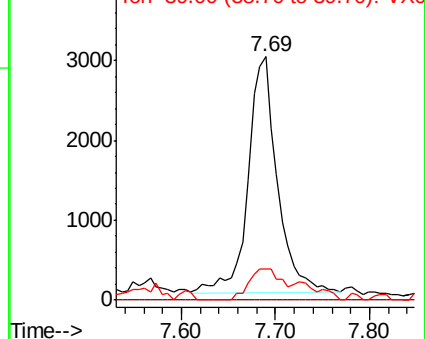
41 100

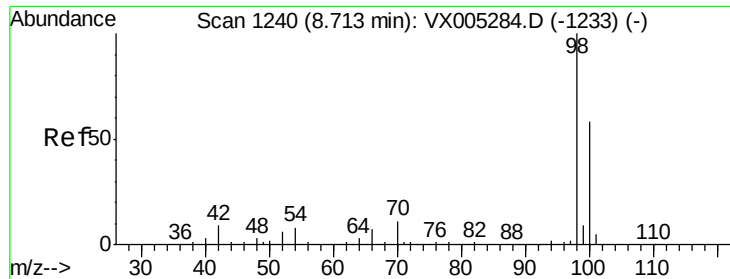
69 0.0 70.2 105.4#

39 14.5 42.7 64.1#



Abundance Ion 41.00 (40.70 to 41.70): VX005440.D (-1038) (-)

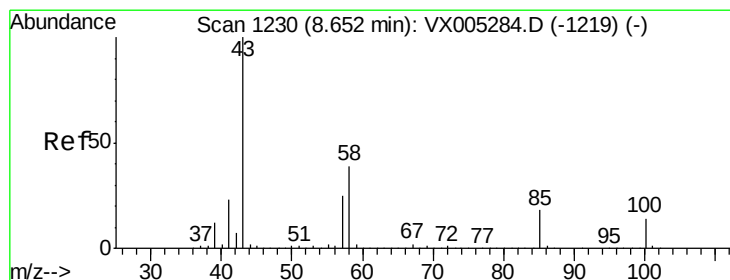
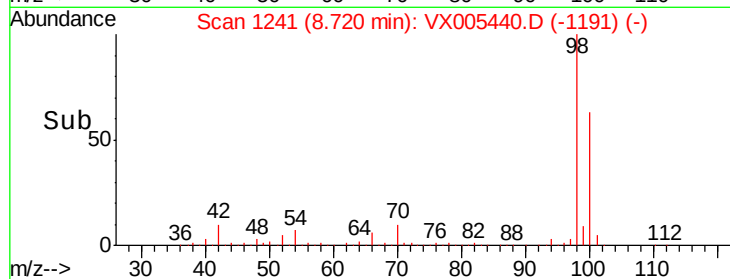
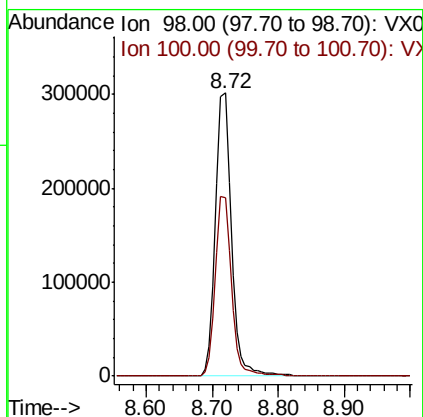
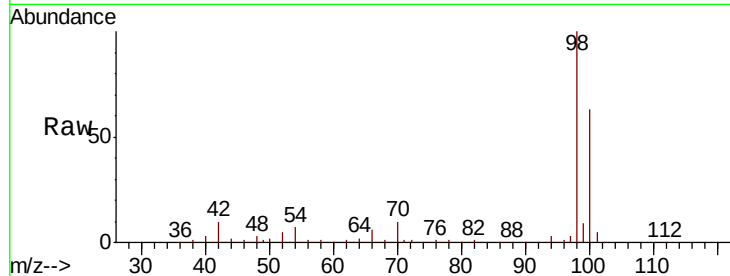




#50
Toluene-d8
Concen: 51.964 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

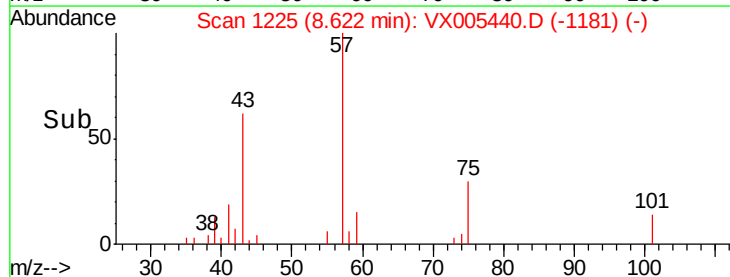
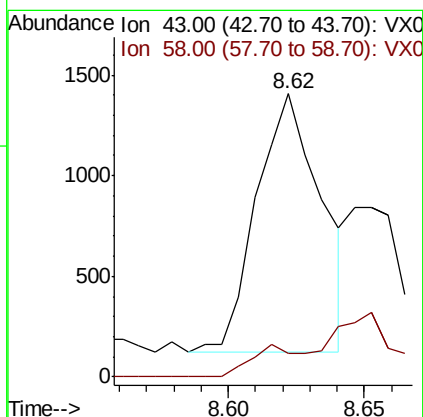
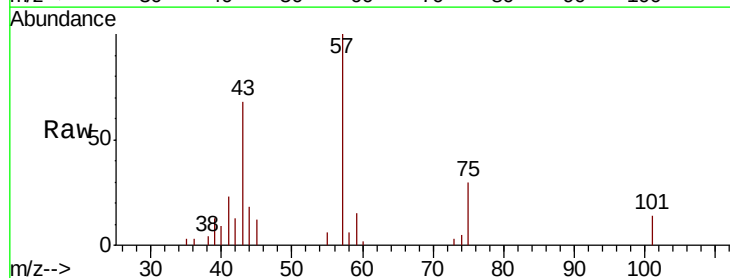
Instrument :
MSVOA_X
ClientSampleId :
OR-01-101618-B

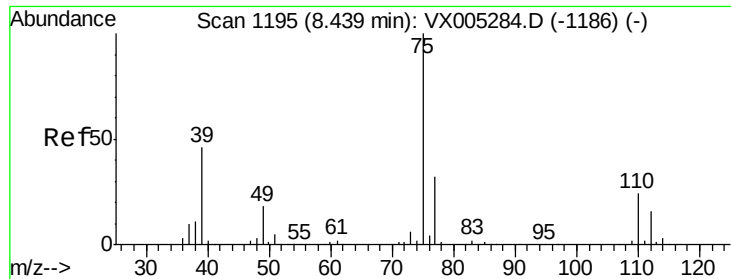
Tot Ion: 98 Resp: 505734
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.430 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

Tgt Ion: 43 Resp: 2112
Ion Ratio Lower Upper
43 100
58 9.5 33.1 49.7#





#54

cis-1,3-Dichloropropene

Concen: 0.212 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

OR-01-101618-B

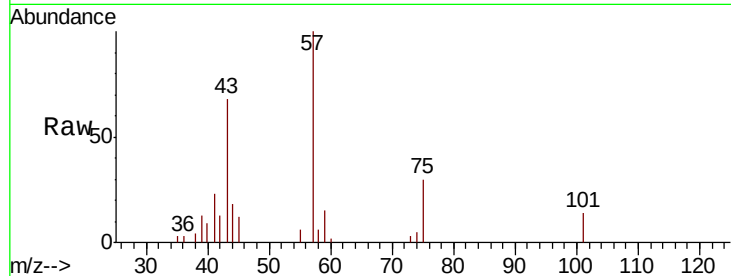
Tot Ion: 75 Resp: 927

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

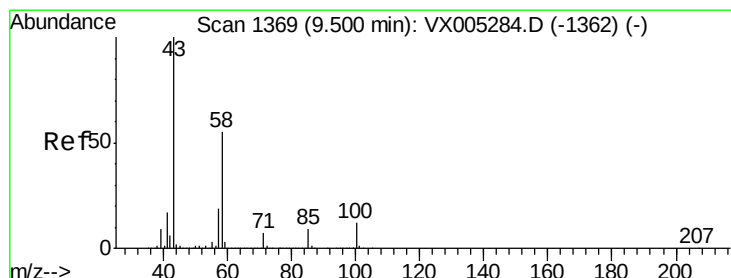
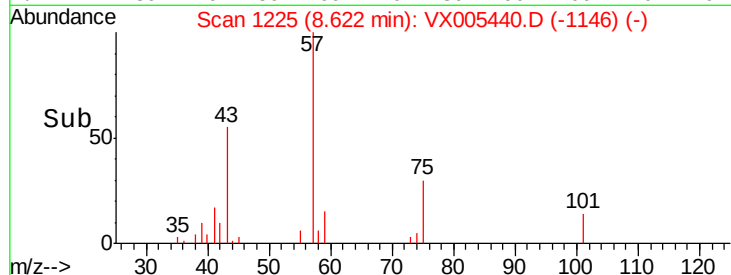
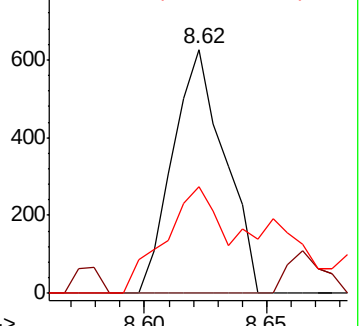
39 43.6 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.275 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VX005440.D

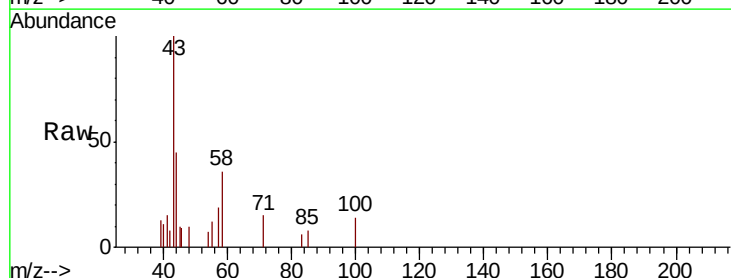
Acq: 18 Oct 2018 19:43

Tgt Ion: 43 Resp: 1089

Ion Ratio Lower Upper

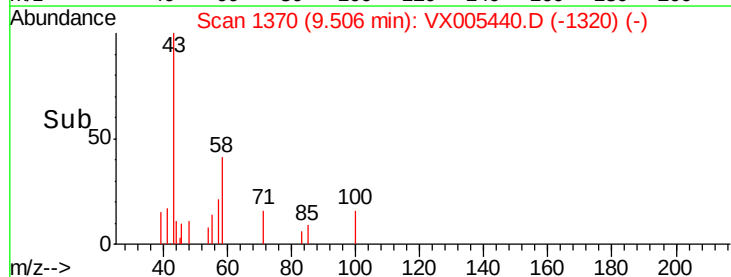
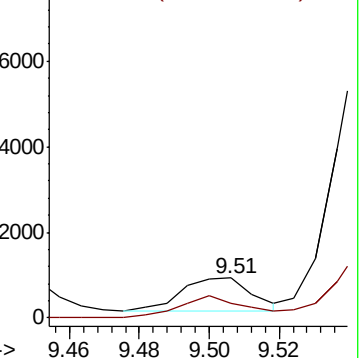
43 100

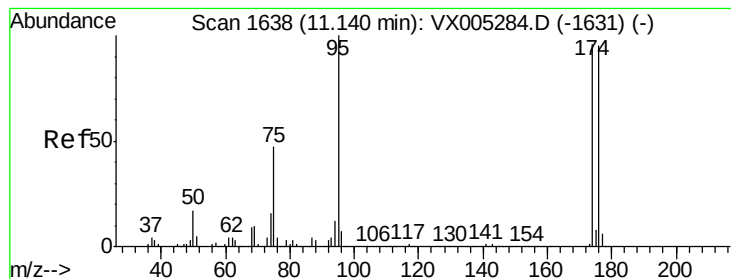
58 61.1 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.687 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

OR-01-101618-B

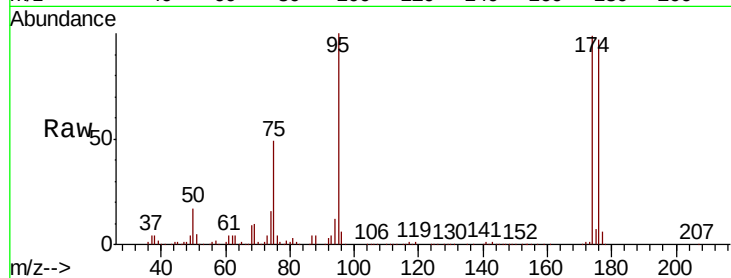
Tot Ion: 95 Resp: 167036

Ion Ratio Lower Upper

95 100

174 96.0 0.0 185.2

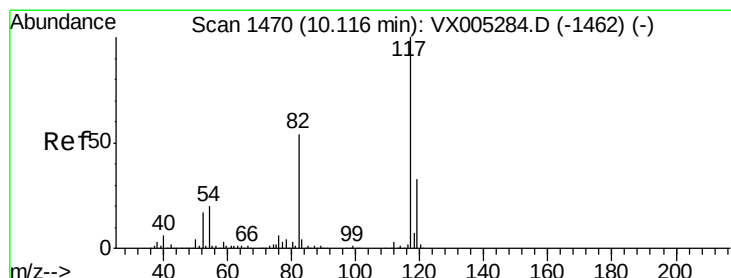
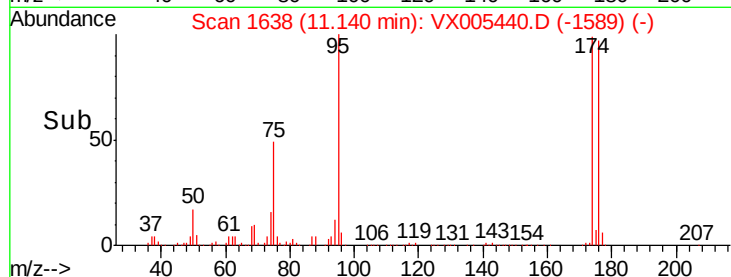
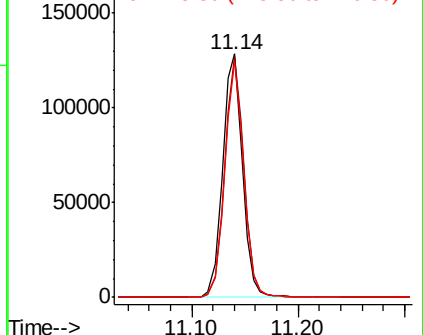
176 93.1 0.0 178.6



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: VX005440.D

Acq: 18 Oct 2018 19:43

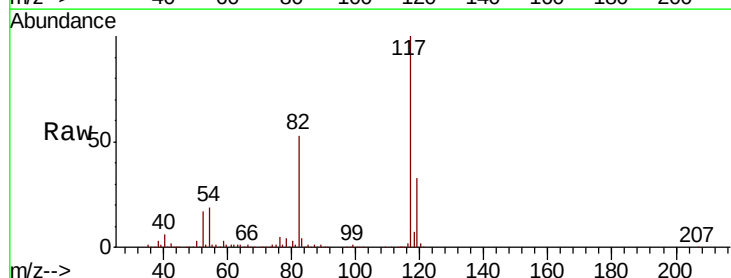
Tgt Ion: 117 Resp: 384550

Ion Ratio Lower Upper

117 100

82 52.8 47.8 71.6

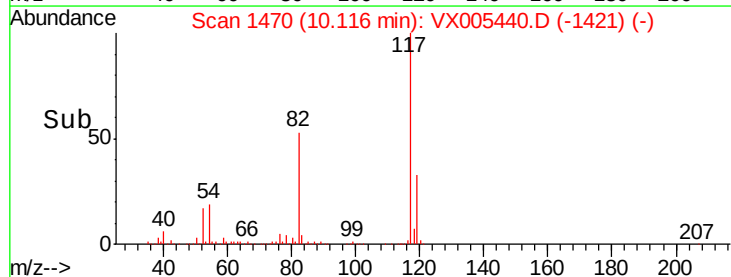
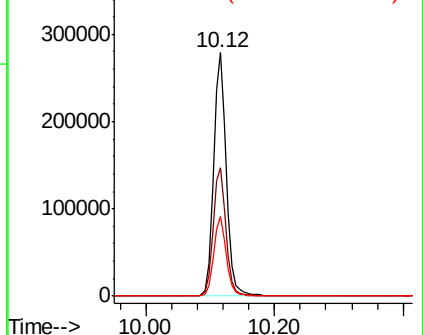
119 32.5 29.3 43.9

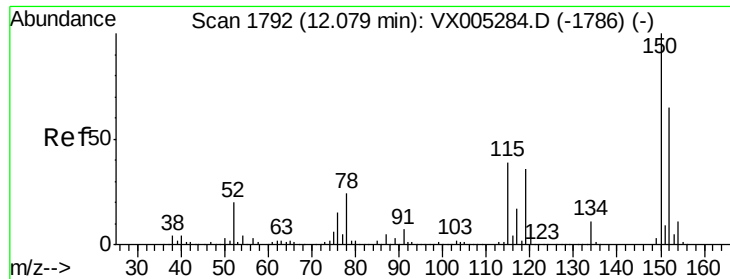


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



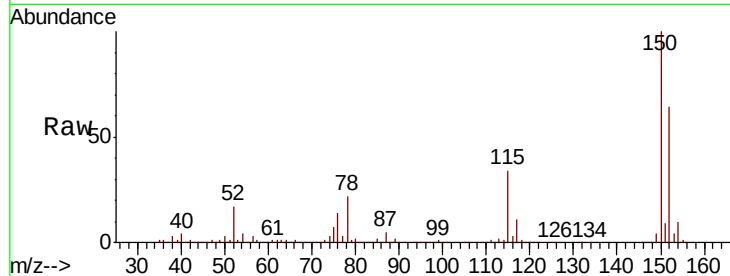


#72

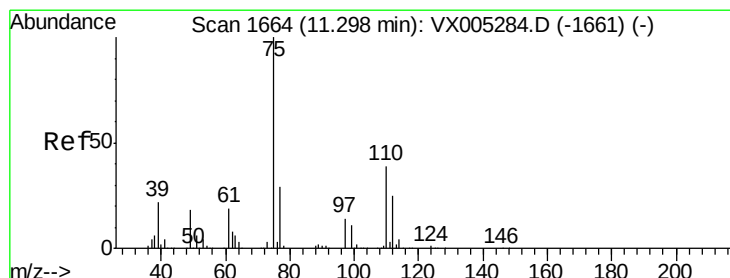
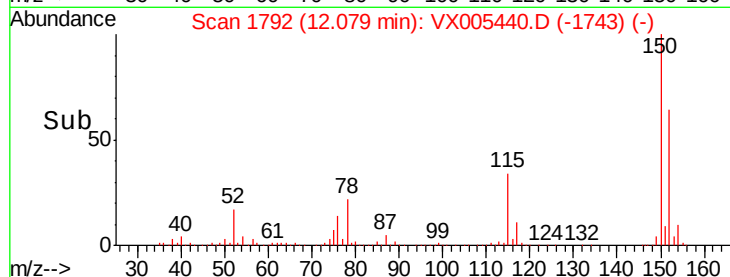
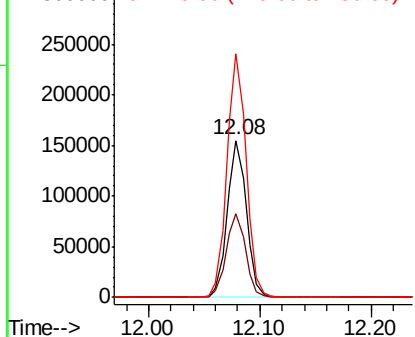
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :
OR-01-101618-B

Tot Ion:152 Resp: 184110
Ion Ratio Lower Upper
152 100
115 54.0 39.0 117.0
150 155.9 0.0 351.0



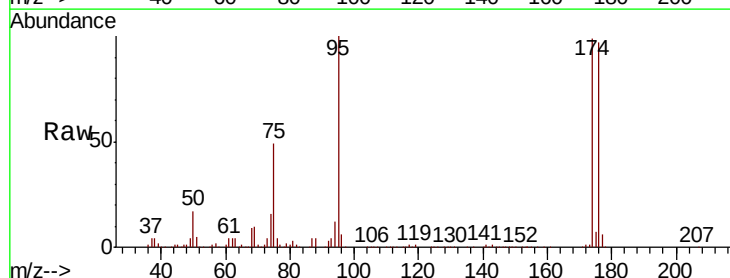
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



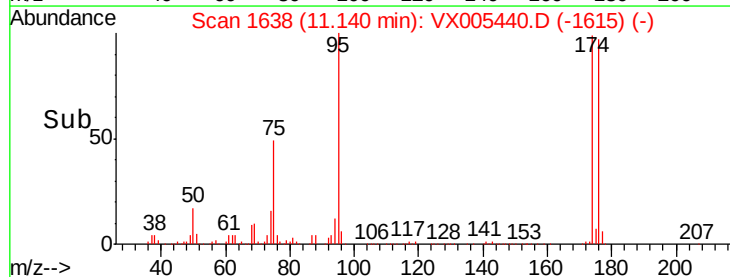
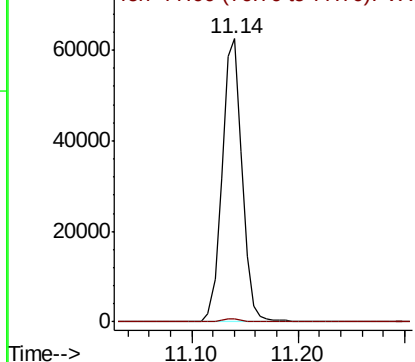
#76

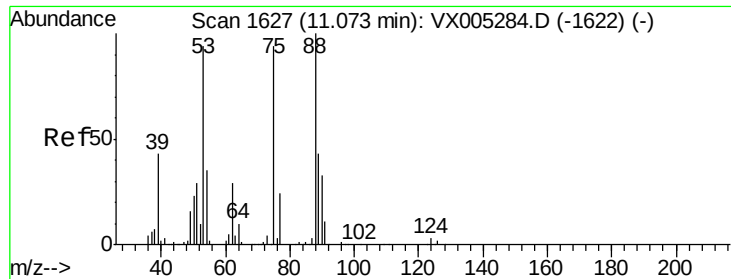
1,2,3-Trichloropropane
Concen: 22.965 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005440.D
Acq: 18 Oct 2018 19:43

Tgt Ion: 75 Resp: 82014
Ion Ratio Lower Upper
75 100
77 1.2 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: 69.780 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

OR-01-101618-B

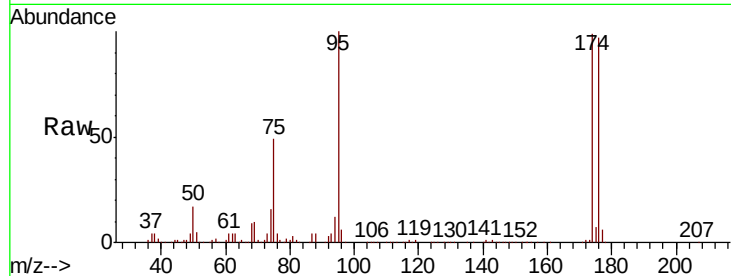
Tot Ion: 75 Resp: 82014

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

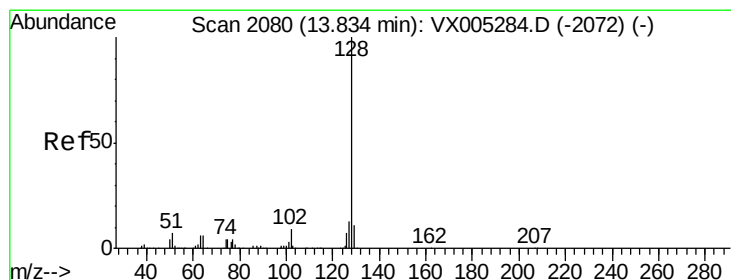
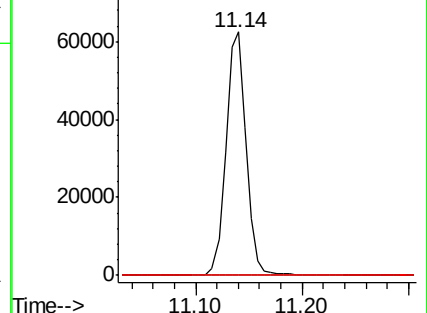
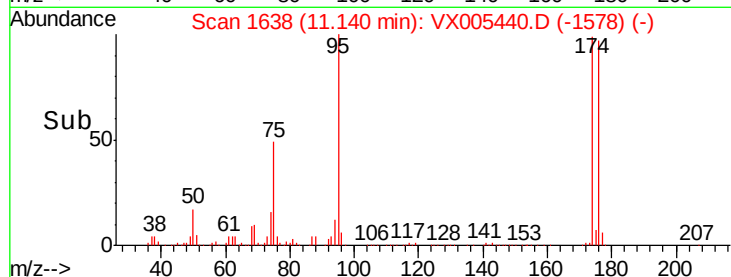
89 0.0 37.2 55.8#



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



#95

Naphthalene

Concen: 0.221 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005440.D

Acq: 18 Oct 2018 19:43

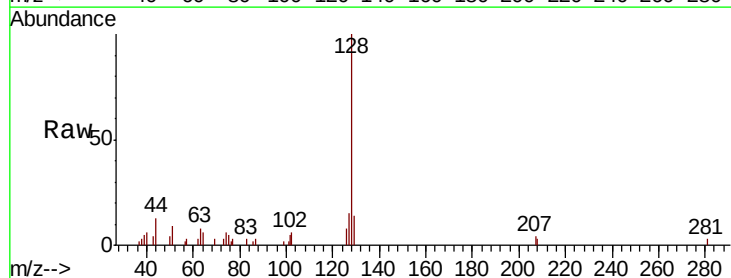
Tgt Ion: 128 Resp: 2804

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

129 14.0 8.6 12.8#



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

