

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004876.D
 Acq On : 01 Oct 2018 17:42
 Operator : JC/MD
 Sample : J5135-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW508-1317

Quant Time: Oct 02 02:41:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	216137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350948	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190622	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	169078	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	5.50	113	144106	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.72	98	517926	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	11.14	95	183278	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	

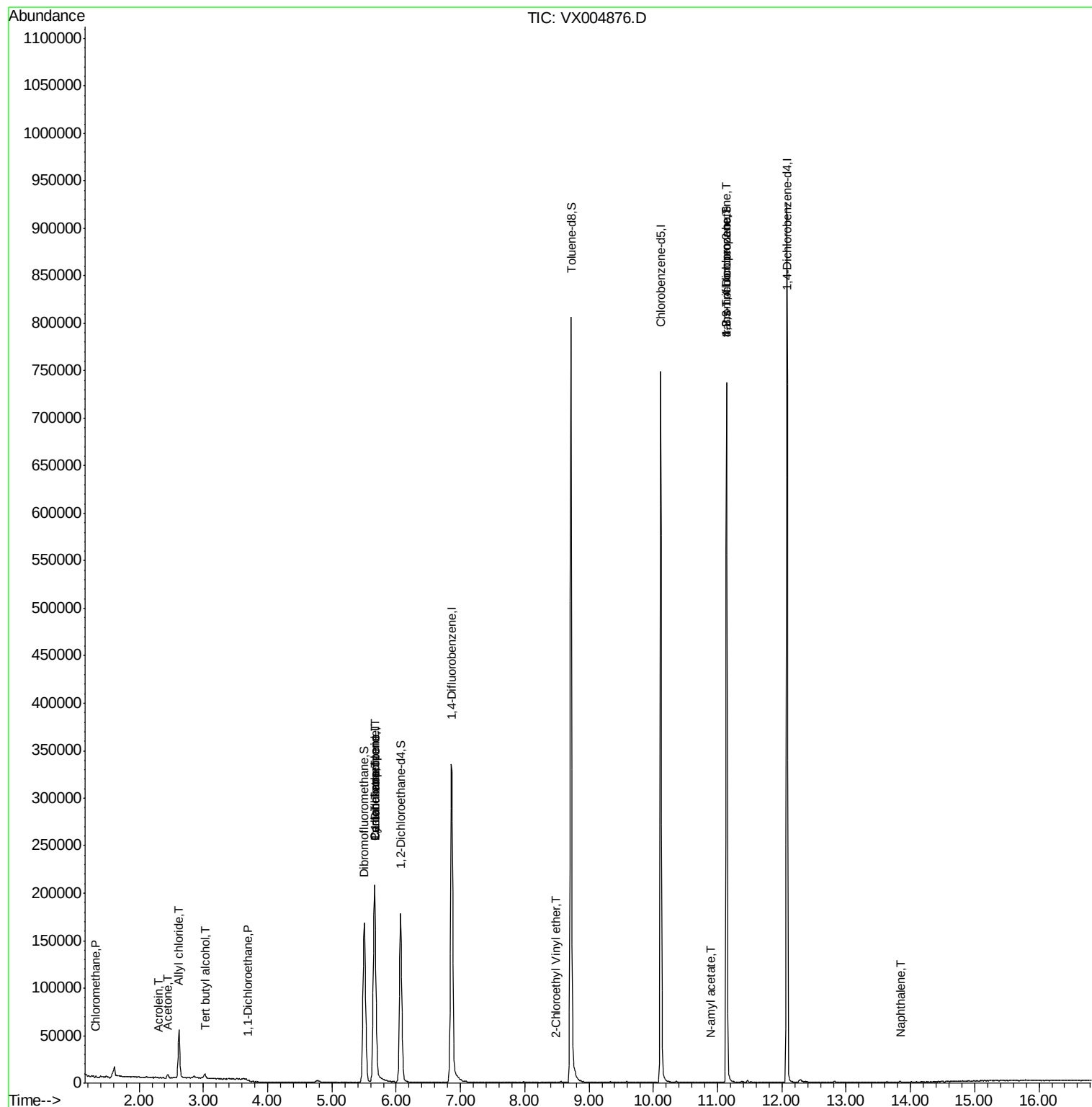
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1005	0.281	ug/l	96
6) Chloroethane	1.75	64	932	Below Cal	#	60
11) Tert butyl alcohol	3.03	59	3344	3.874	ug/l #	88
13) Acrolein	2.31	56	281	0.457	ug/l #	37
14) Allyl chloride	2.62	41	5452	1.067	ug/l #	60
16) Acetone	2.45	43	4151	2.303	ug/l #	86
20) Methylene Chloride	2.86	84	1051	Below Cal		98
24) 1,1-Dichloroethane	3.70	63	1289	0.251	ug/l #	82
31) Cyclohexane	5.66	56	4010	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14806	3.649	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19612	4.598	ug/l #	17
58) 2-Chloroethyl Vinyl ether	8.49	63	19	14.249	ug/l #	45
74) N-amyl acetate	10.90	43	49	1.755	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	90749	21.240	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	124	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	90749	57.615	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	297	Below Cal		87
95) Naphthalene	13.83	128	312	0.739	ug/l #	78

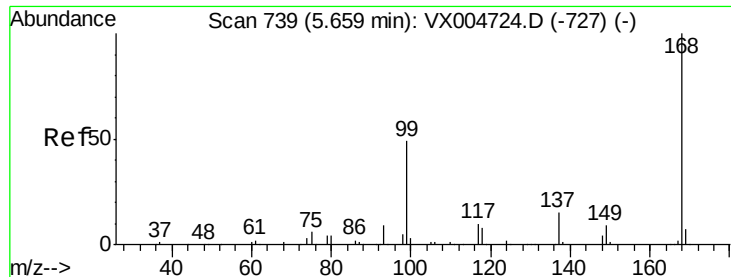
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004876.D

Acq: 01 Oct 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

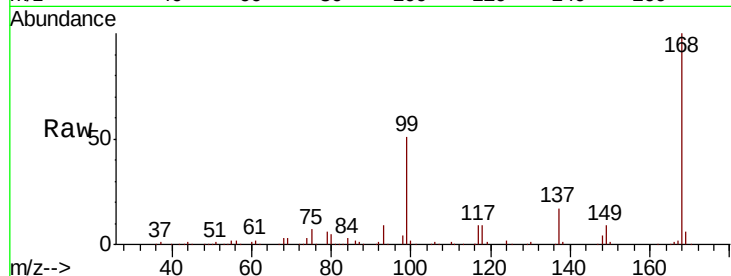
SA-TW508-1317

Tot Ion:168 Resp: 216137

Ion Ratio Lower Upper

168 100

99 51.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

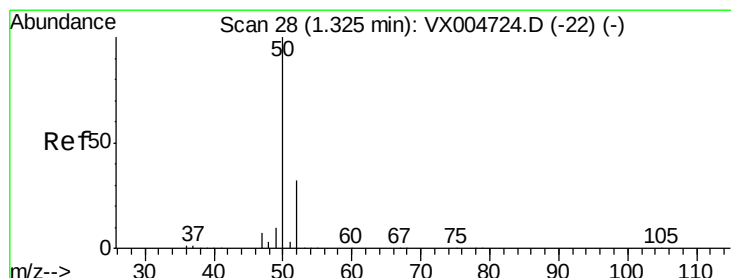
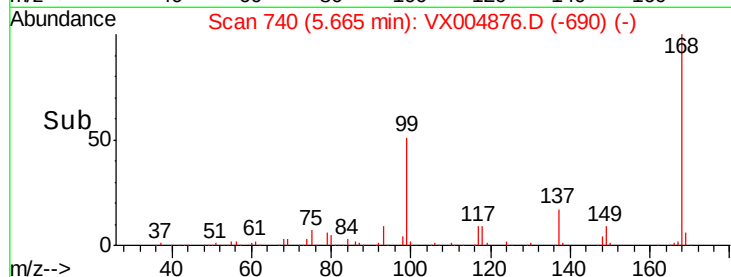
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.281 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004876.D

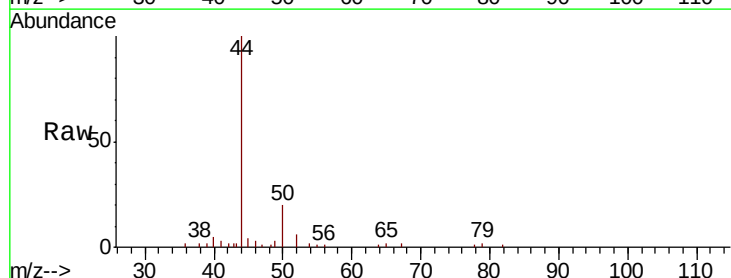
Acq: 01 Oct 2018 17:42

Tgt Ion: 50 Resp: 1005

Ion Ratio Lower Upper

50 100

52 30.3 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

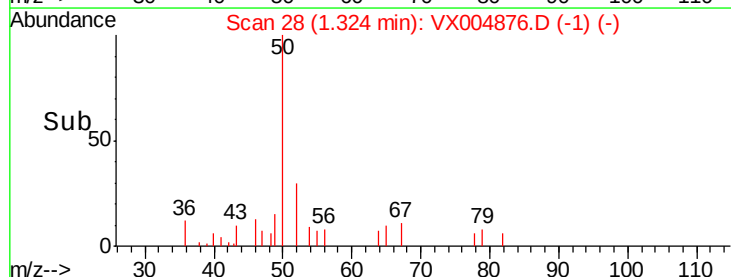
400

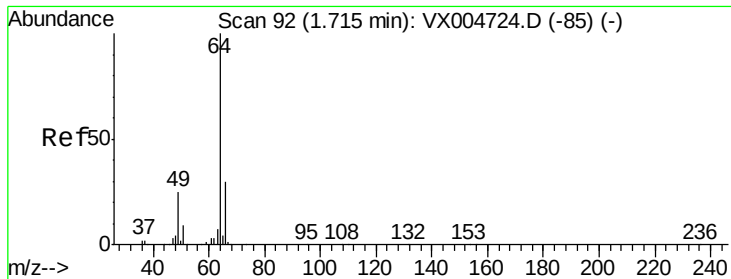
200

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX004876.D

Acq: 01 Oct 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

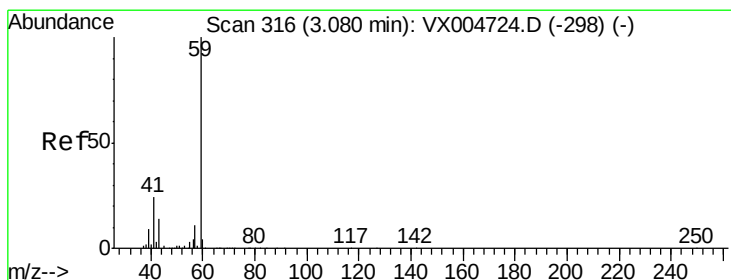
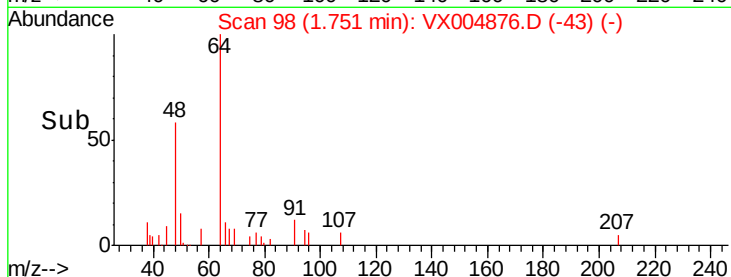
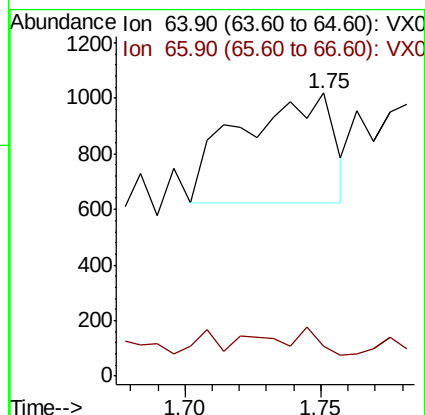
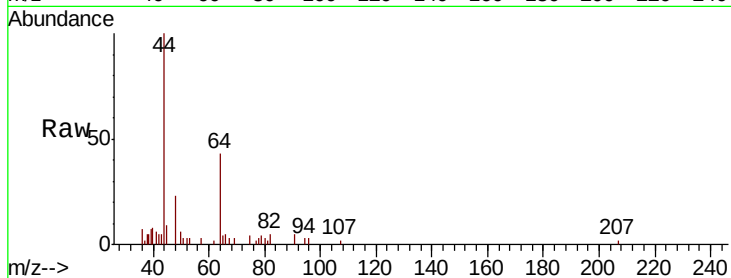
SA-TW508-1317

Tot Ion: 64 Resp: 932

Ion Ratio Lower Upper

64 100

66 8.6 24.6 36.8#



#11

Tert butyl alcohol

Concen: 3.874 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.06 min

Lab File: VX004876.D

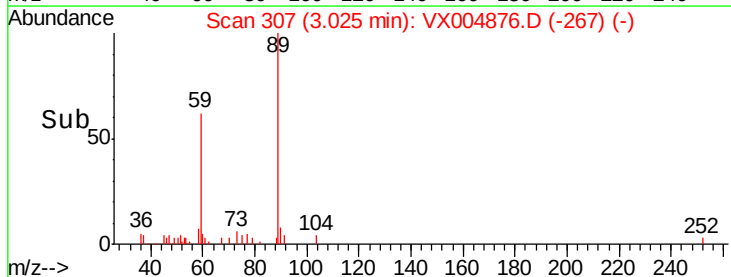
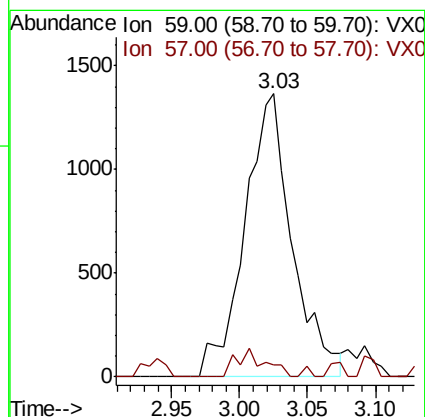
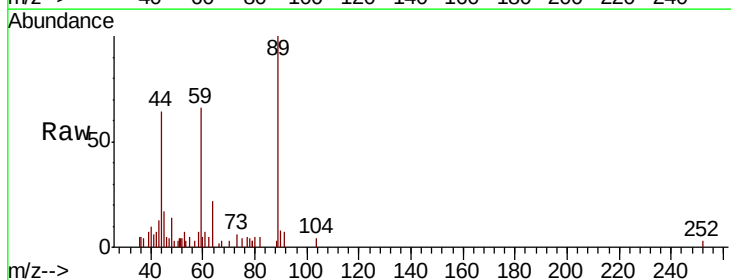
Acq: 01 Oct 2018 17:42

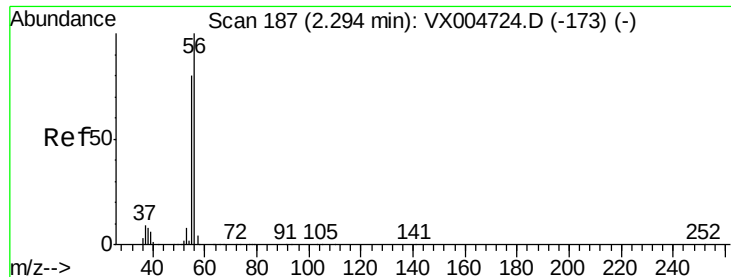
Tgt Ion: 59 Resp: 3344

Ion Ratio Lower Upper

59 100

57 6.0 8.2 12.4#





#13

Acrolein

Concen: 0.457 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX004876.D

Acq: 01 Oct 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

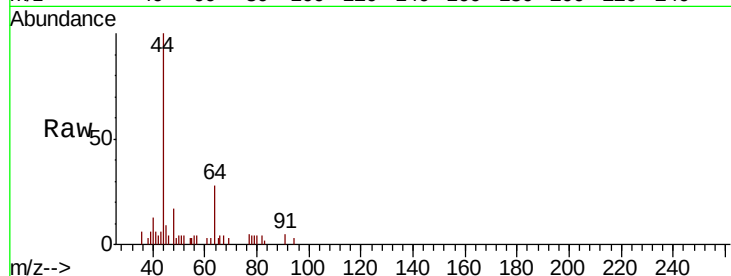
SA-TW508-1317

Tot Ion: 56 Resp: 281

Ion Ratio Lower Upper

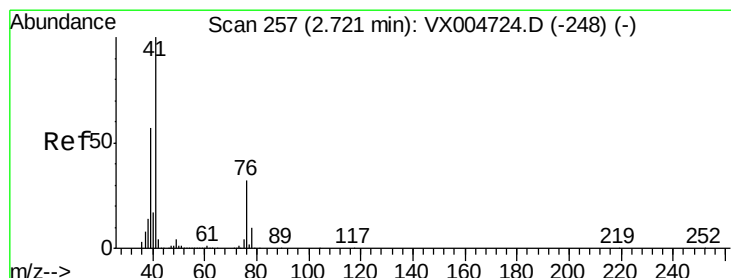
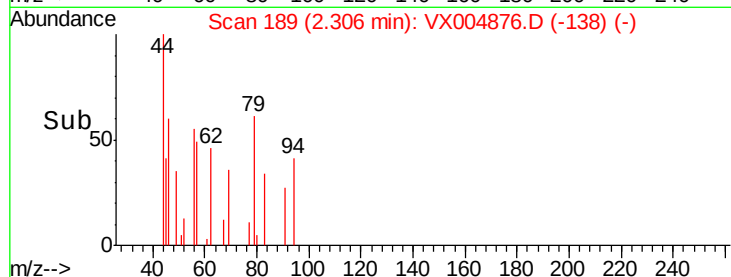
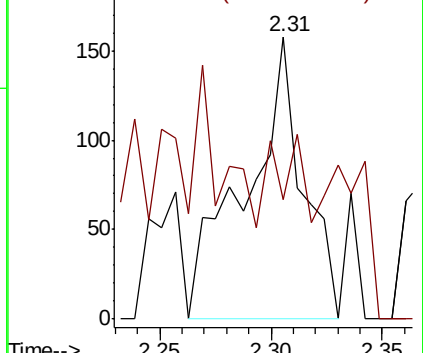
56 100

55 17.1 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.067 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX004876.D

Acq: 01 Oct 2018 17:42

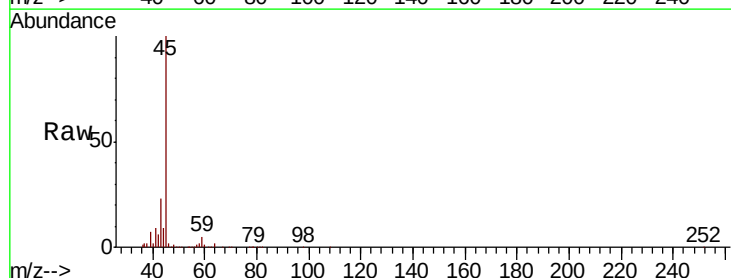
Tgt Ion: 41 Resp: 5452

Ion Ratio Lower Upper

41 100

39 84.0 48.9 73.3#

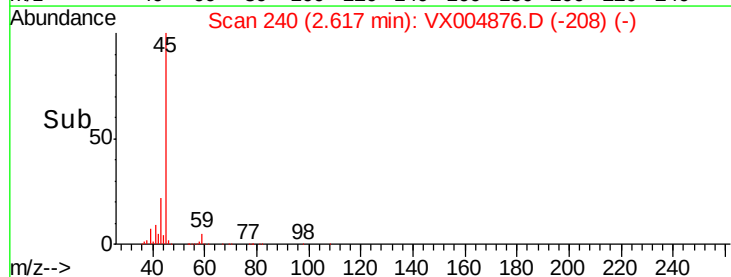
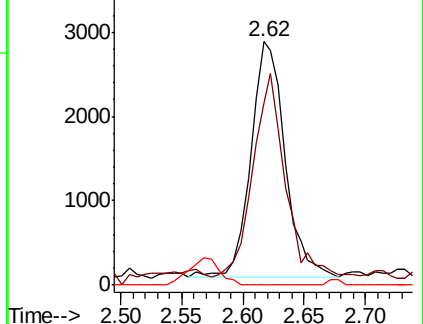
76 0.0 26.7 40.1#

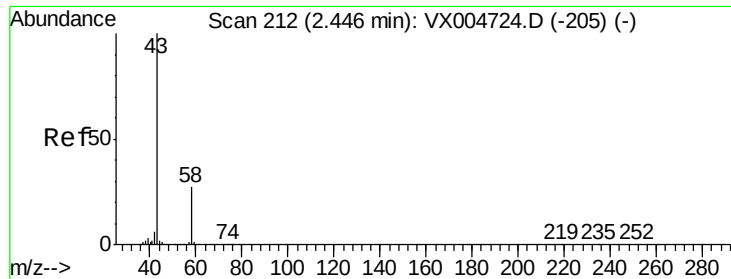


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

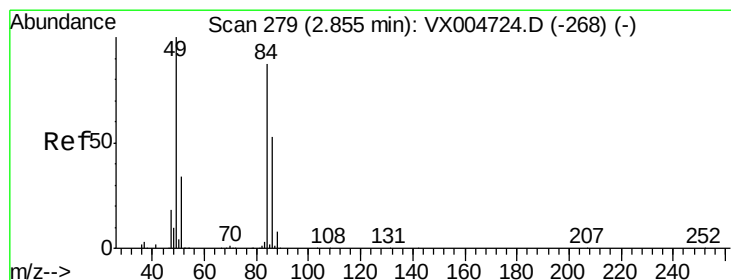
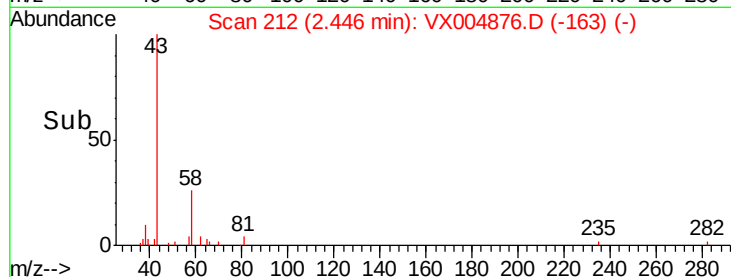
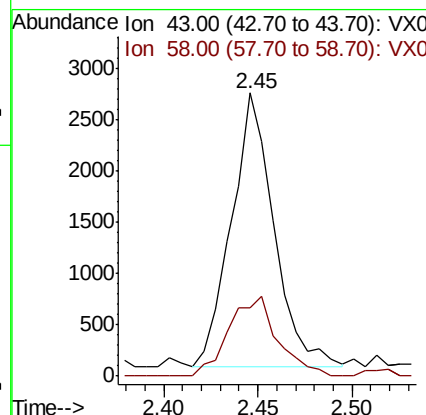
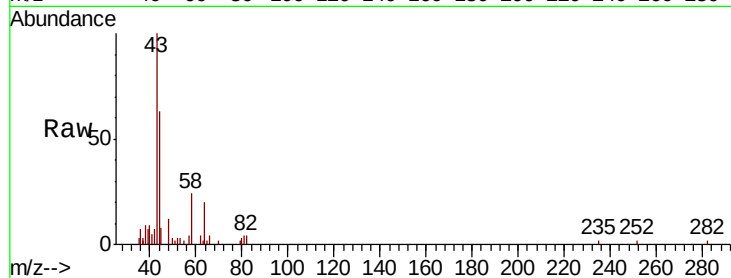




#16
Acetone
Concen: 2.303 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX004876.D
Acq: 01 Oct 2018 17:42

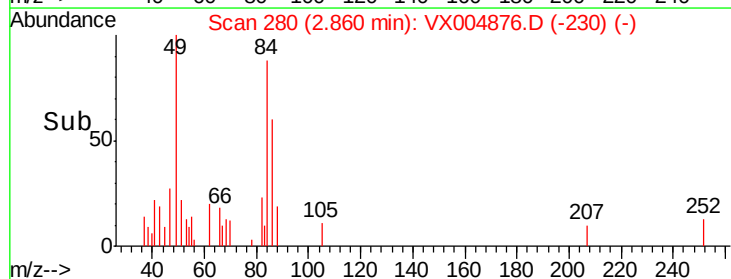
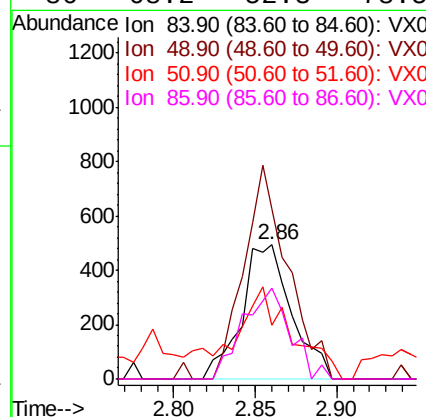
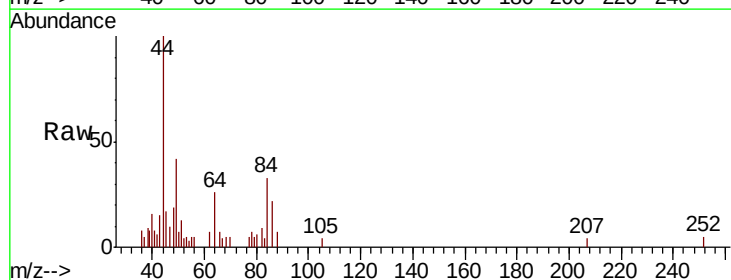
Instrument :
MSVOA_X
ClientSampleId :
SA-TW508-1317

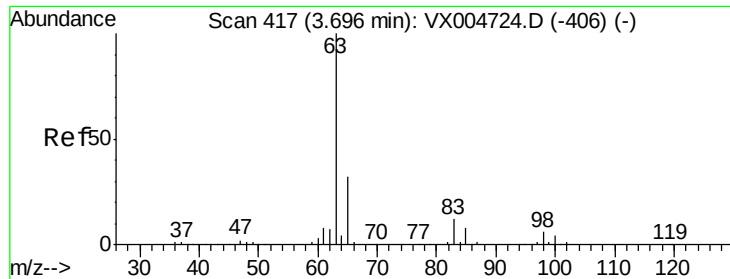
Tot Ion: 43 Resp: 4151
Ion Ratio Lower Upper
43 100
58 24.8 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004876.D
Acq: 01 Oct 2018 17:42

Tgt Ion: 84 Resp: 1051
Ion Ratio Lower Upper
84 100
49 127.4 101.2 151.8
51 40.0 29.5 44.3
86 68.2 52.3 78.5

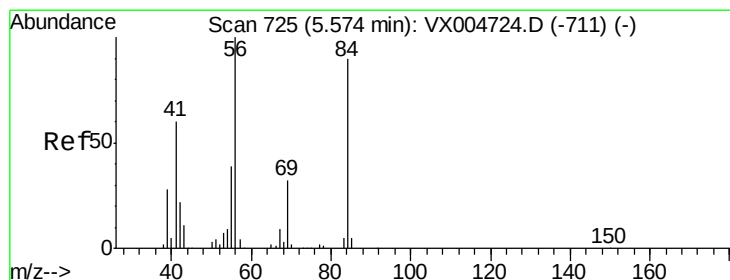
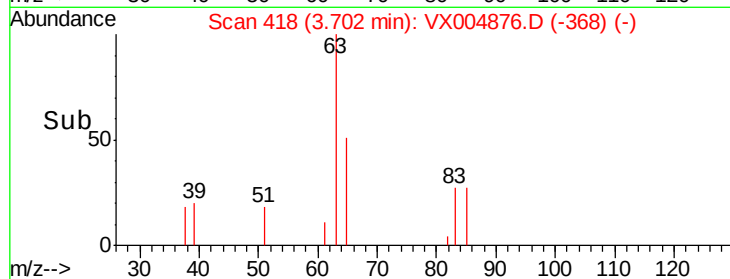
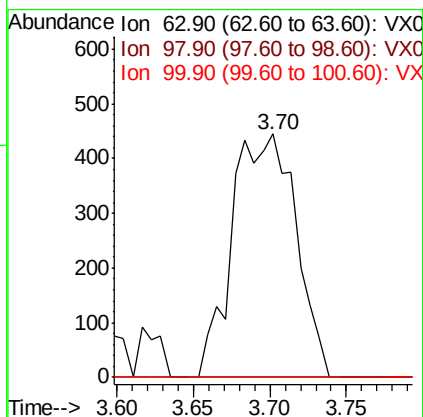
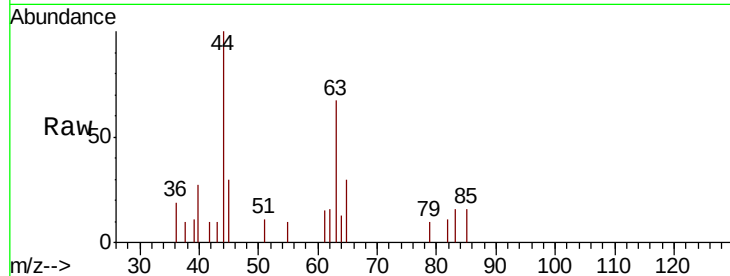




#24
 1,1-Dichloroethane
 Concen: 0.251 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

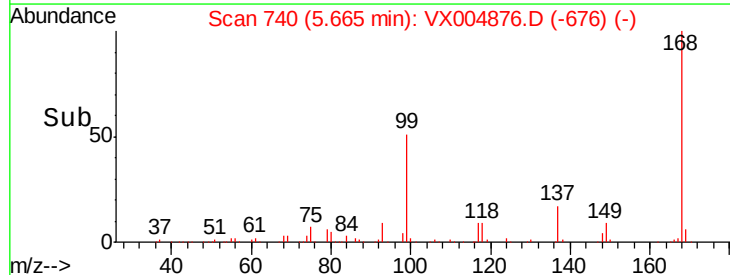
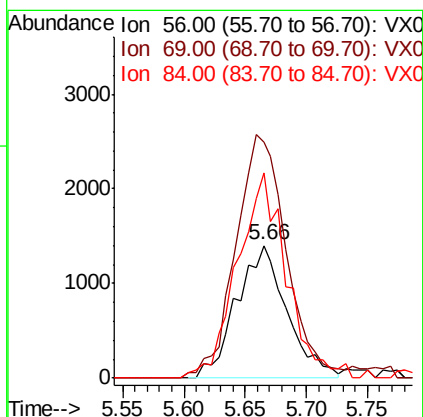
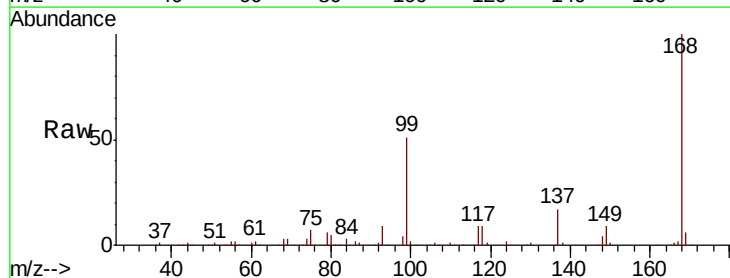
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 SA-TW508-1317

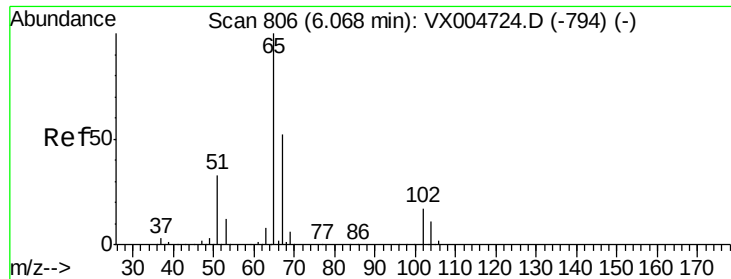
Tot Ion: 63 Resp: 1289
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.4 7.1#



#31
 Cyclohexane
 Concen: 1.021 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

Tgt Ion: 56 Resp: 4010
 Ion Ratio Lower Upper
 56 100
 69 174.5 25.4 38.2#
 84 150.2 71.4 107.2#

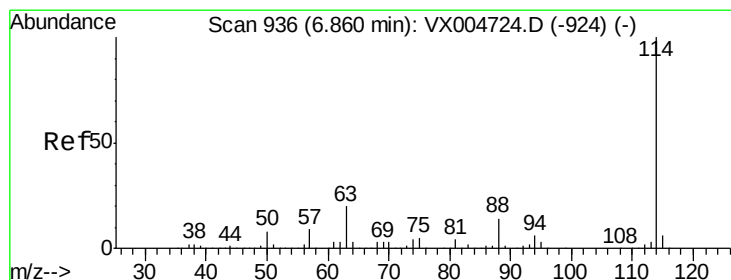
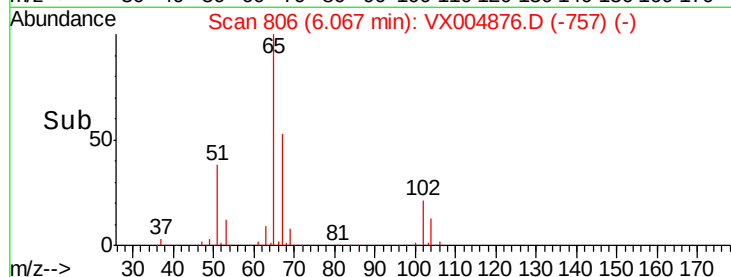
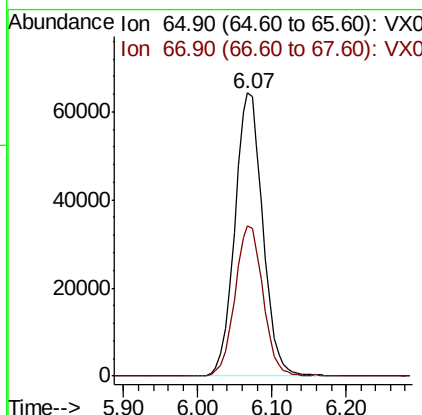
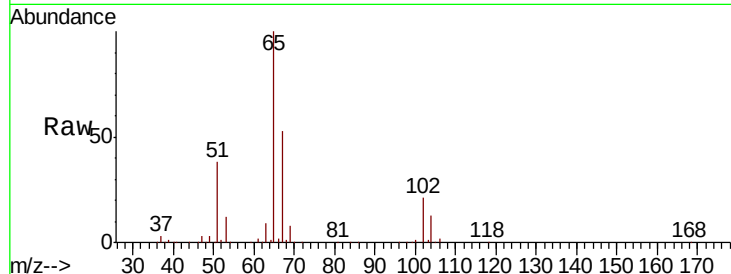




#33
 1,2-Dichloroethane-d4
 Concen: 54.762 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

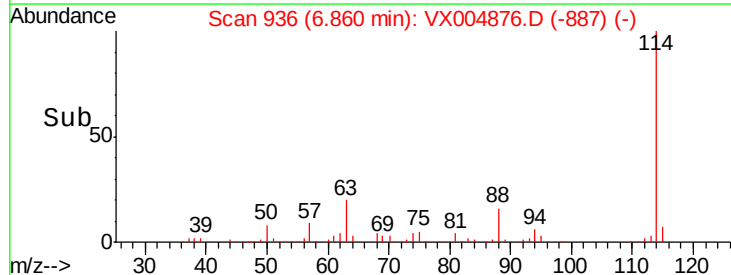
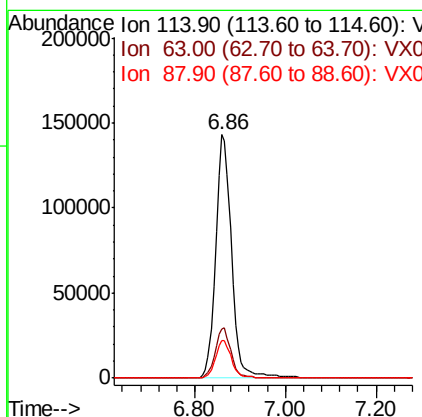
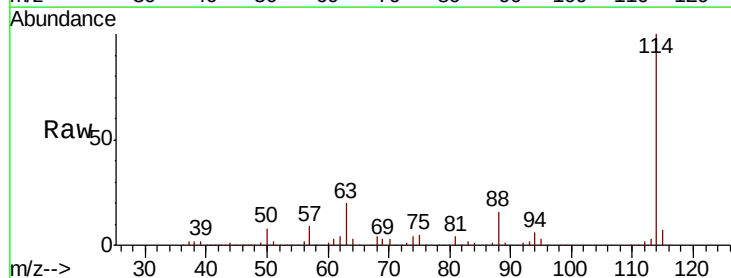
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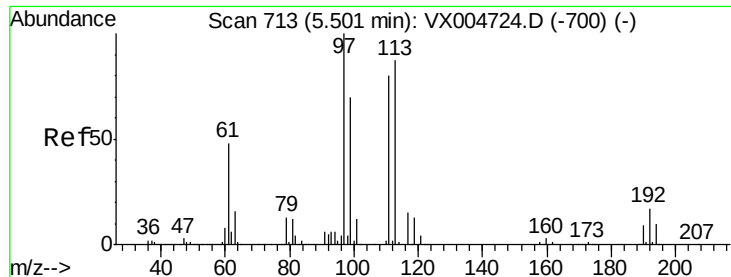
Tot Ion: 65 Resp: 169078
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

Tgt Ion: 114 Resp: 350948
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.6 0.0 30.4

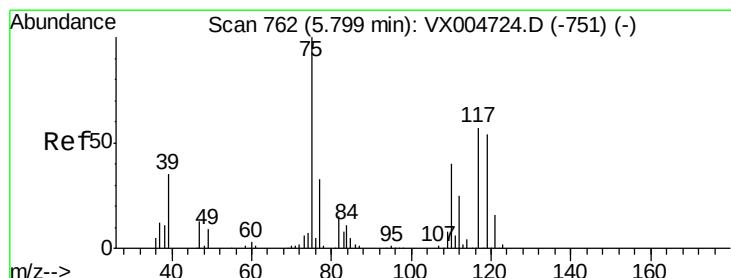
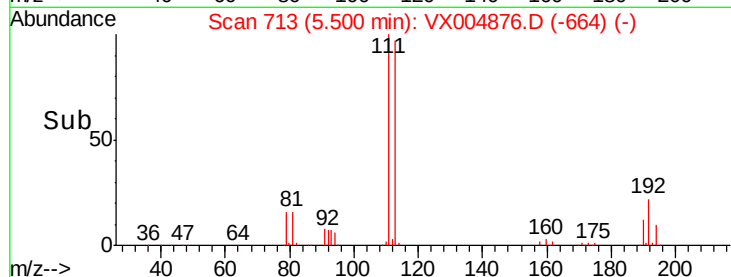
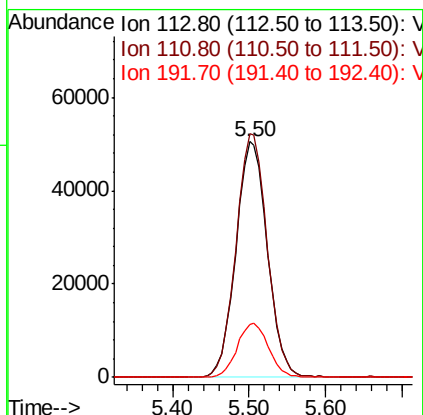
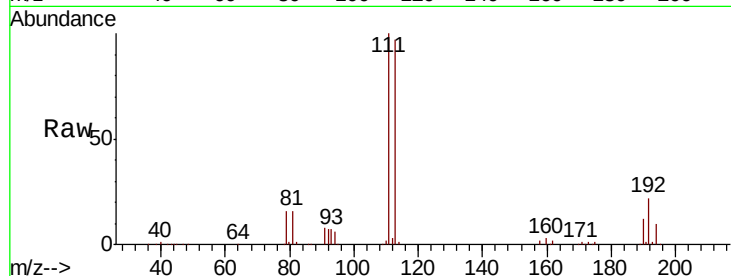




#35
 Dibromofluoromethane
 Concen: 48.450 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

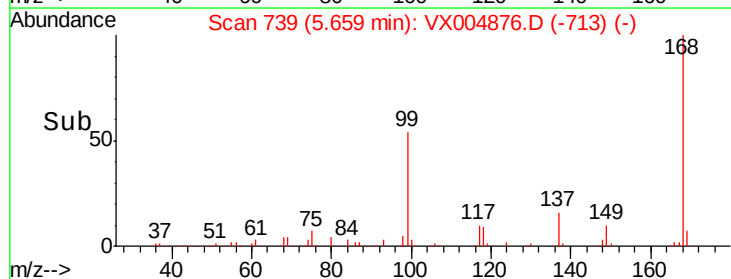
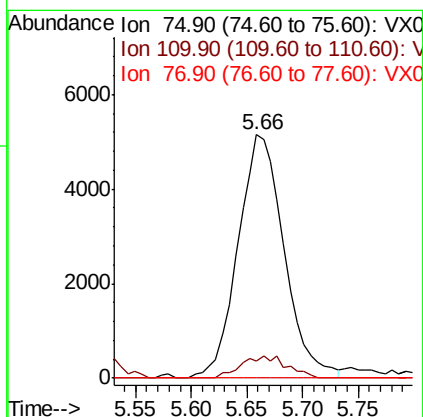
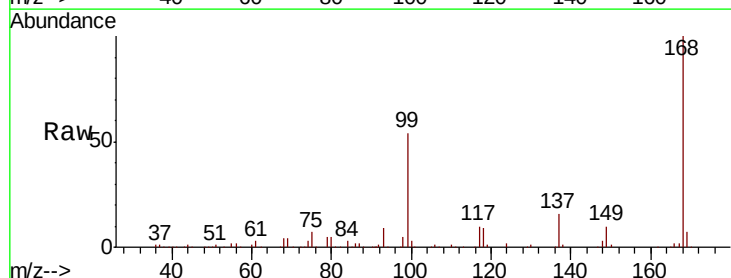
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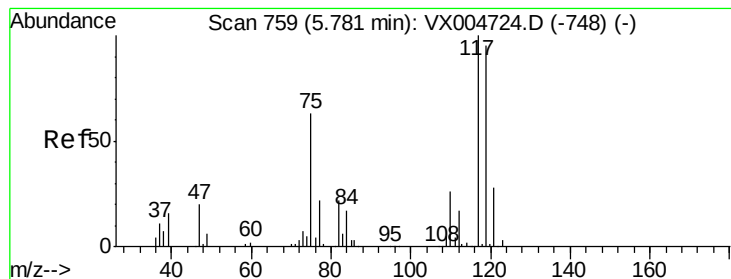
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	23.1	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.649 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.0	54.0#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 4.598 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004876.D

Acq: 01 Oct 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW508-1317

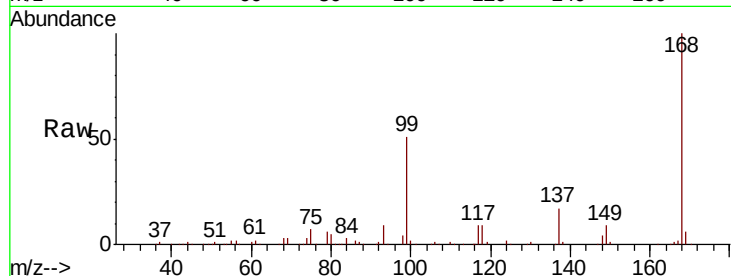
Tot Ion:117 Resp: 19612

Ion Ratio Lower Upper

117 100

119 7.4 78.8 118.2#

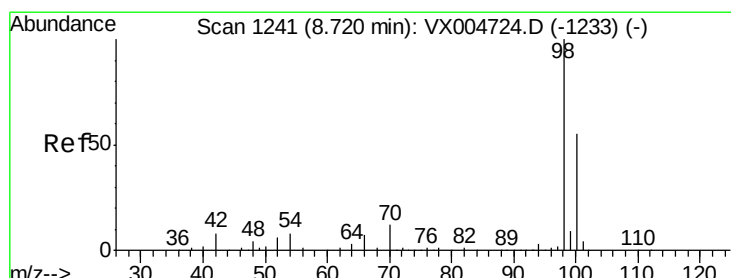
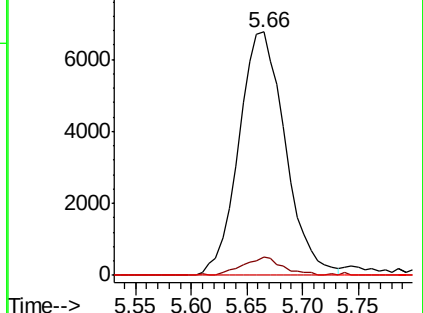
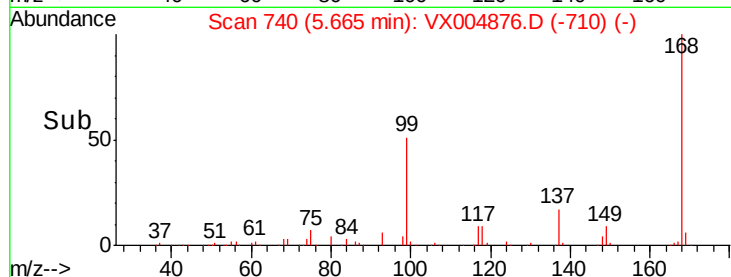
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 52.379 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004876.D

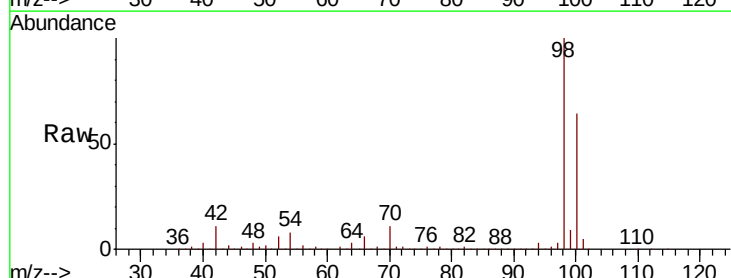
Acq: 01 Oct 2018 17:42

Tgt Ion: 98 Resp: 517926

Ion Ratio Lower Upper

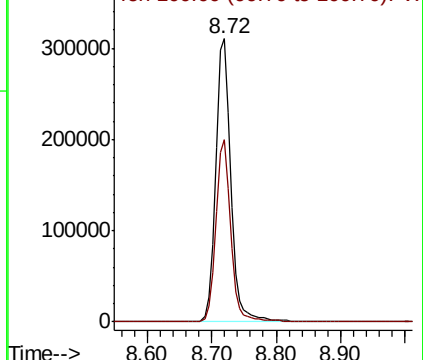
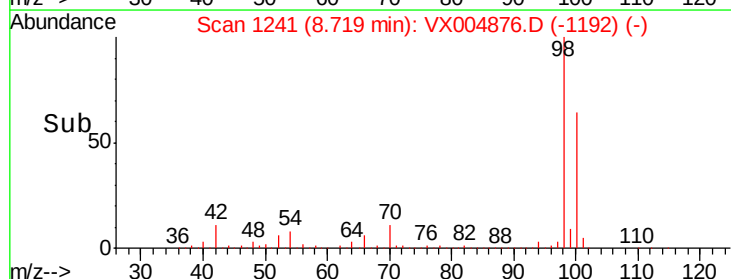
98 100

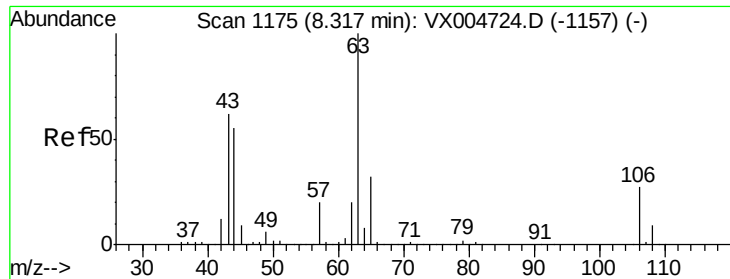
100 63.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

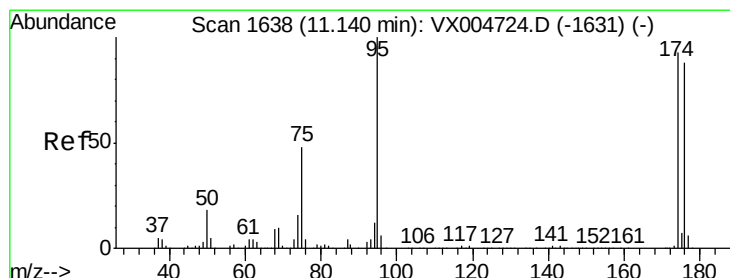
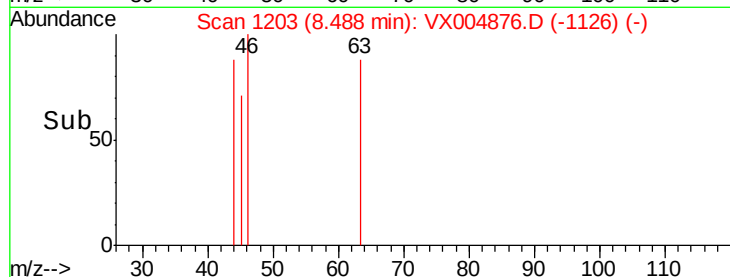
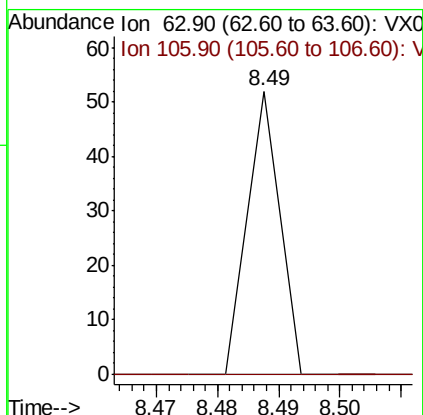
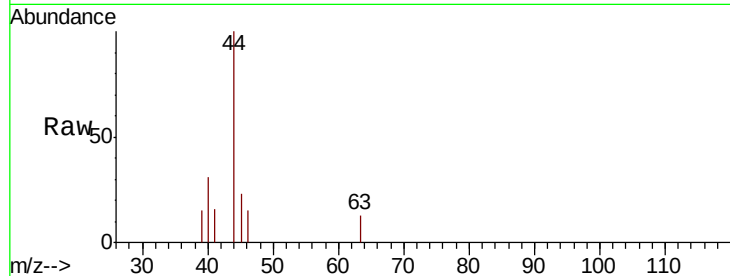




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.249 ug/l
 RT: 8.49 min Scan# 1203
 Delta R.T. 0.17 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

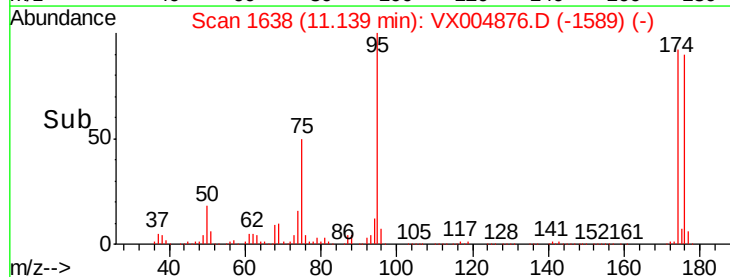
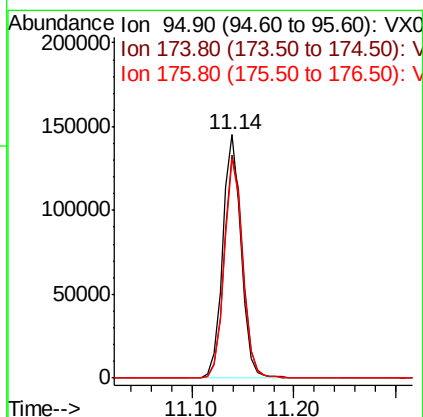
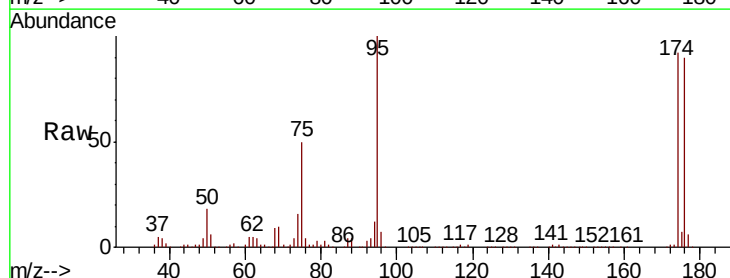
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW508-1317

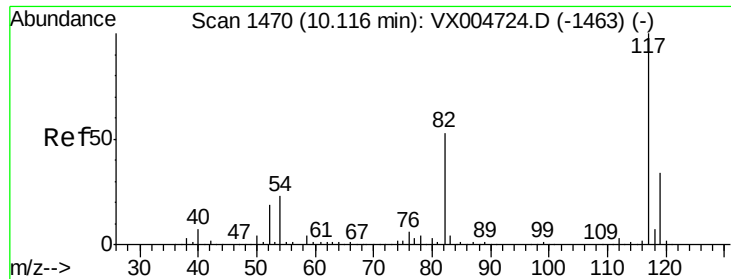
Tot Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 51.450 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004876.D
 Acq: 01 Oct 2018 17:42

Tgt Ion: 95 Resp: 183278
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 185.2
 176 89.2 0.0 178.6

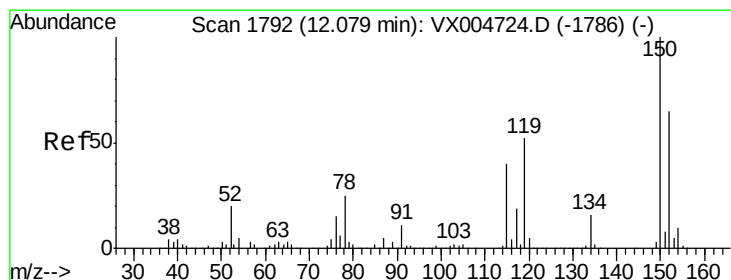
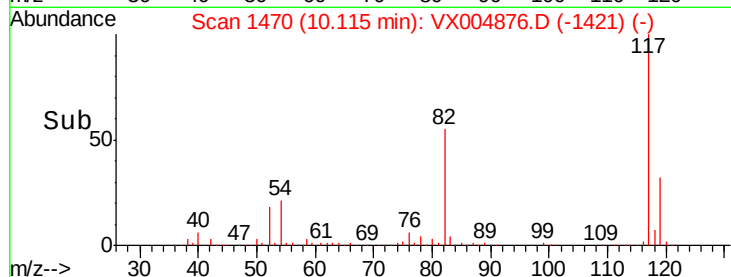
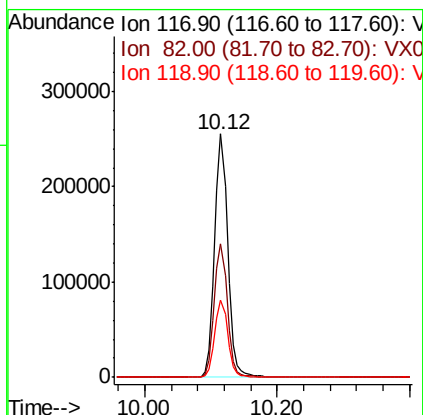
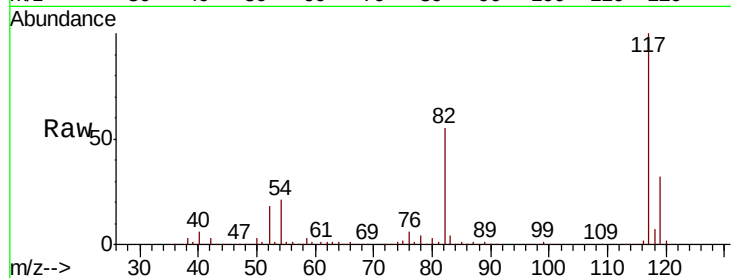




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004876.D
Acq: 01 Oct 2018 17:42

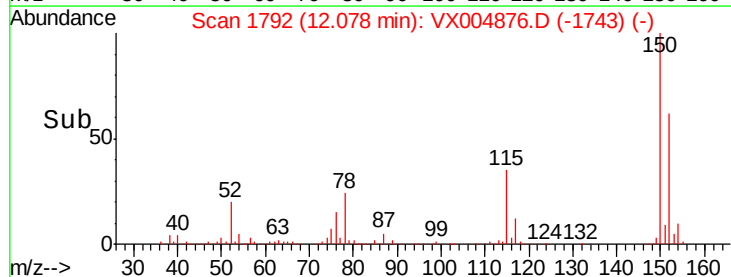
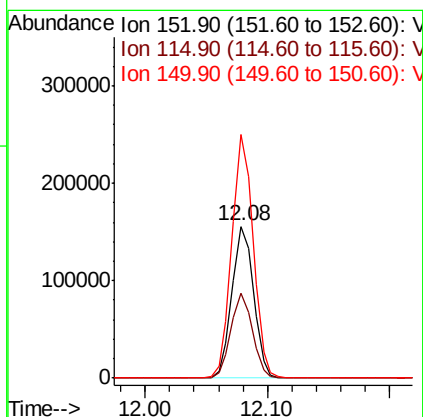
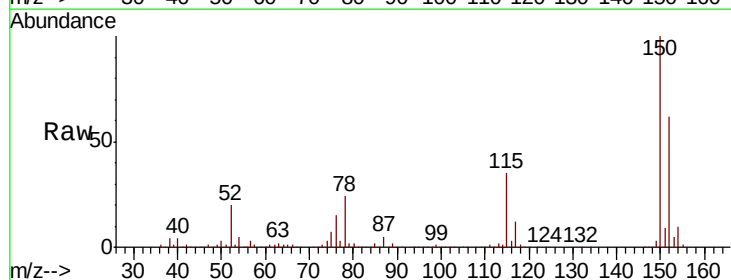
Instrument :
MSVOA_X
ClientSampleId :
SA-TW508-1317

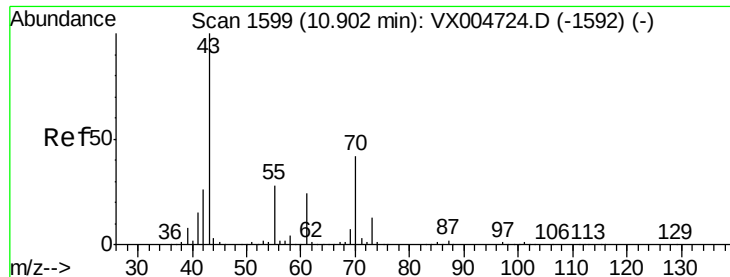
Tot Ion:117 Resp: 348275
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 31.7 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004876.D
Acq: 01 Oct 2018 17:42

Tgt Ion:152 Resp: 190622
Ion Ratio Lower Upper
152 100
115 55.5 39.0 117.0
150 157.7 0.0 351.0





#74

N-amvl acetate

Concen: 1.755 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004876.D

Acq: 01 Oct 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW508-1317

Tot Ion: 43 Resp: 49

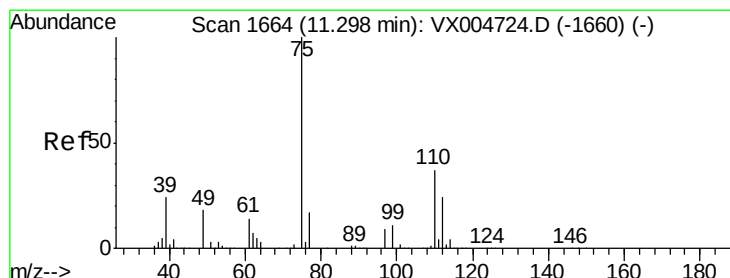
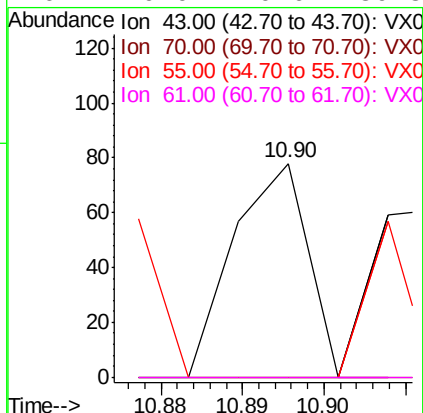
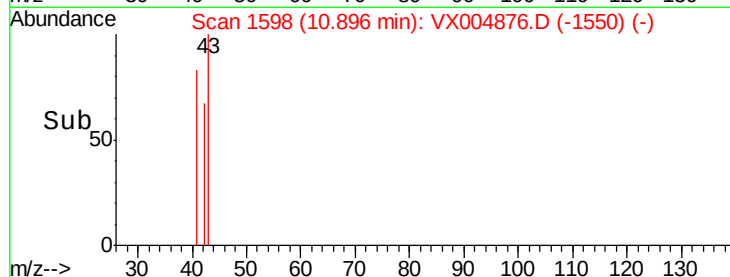
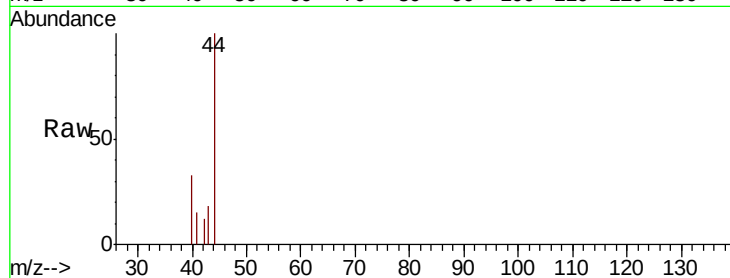
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#



#76

1,2,3-Trichloropropane

Concen: 21.240 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004876.D

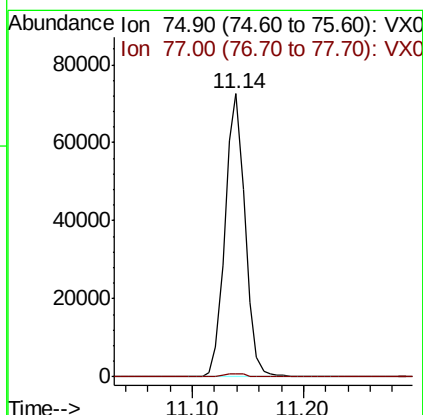
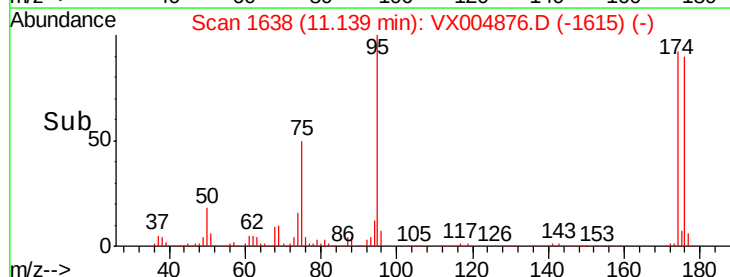
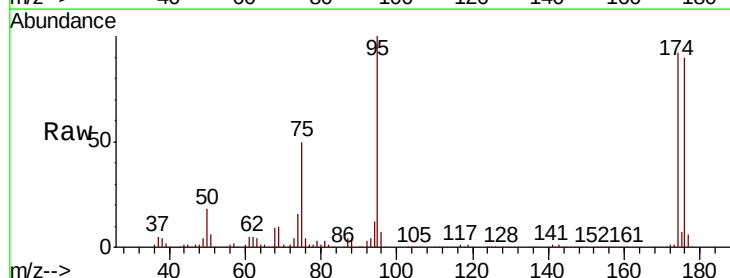
Acq: 01 Oct 2018 17:42

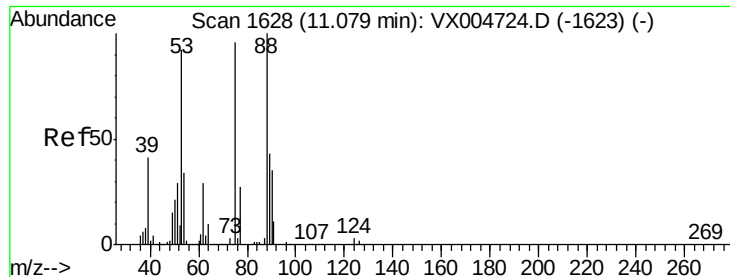
Tgt Ion: 75 Resp: 90749

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#

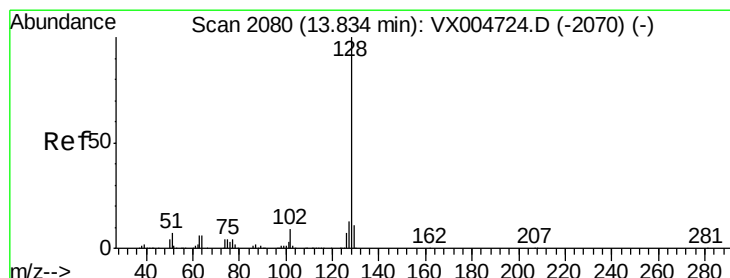
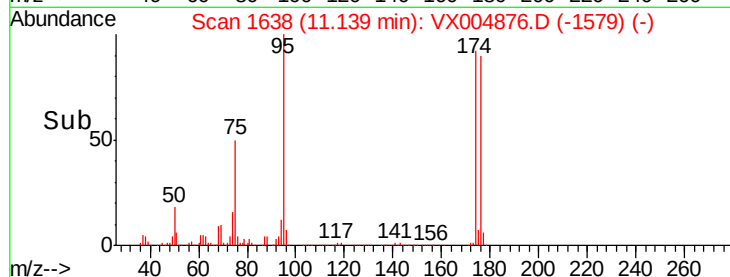
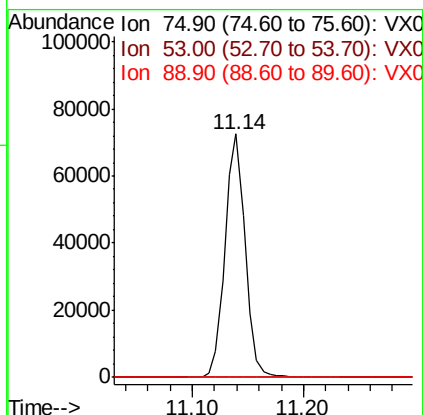
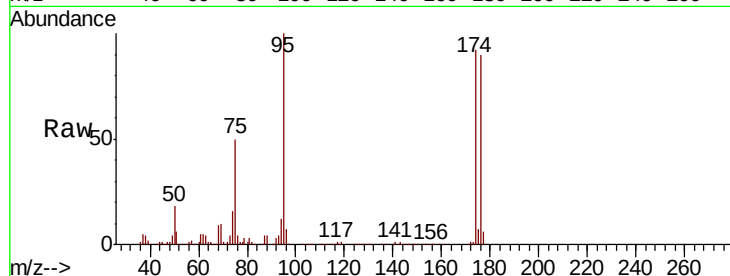




#81
trans-1,4-Dichloro-2-butene
Concen: 57.615 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004876.D
Acq: 01 Oct 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
SA-TW508-1317

Tot Ion: 75 Resp: 90749
Ion Ratio Lower Upper
75 100
53 0.4 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.739 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004876.D
Acq: 01 Oct 2018 17:42

Tgt Ion: 128 Resp: 312
Ion Ratio Lower Upper
128 100
127 6.1 10.2 15.2#
129 0.0 8.6 12.8#

