

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005037.D
 Acq On : 04 Oct 2018 23:36
 Operator : JC/MD
 Sample : J5207-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW506-4751

Quant Time: Oct 05 03:25:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

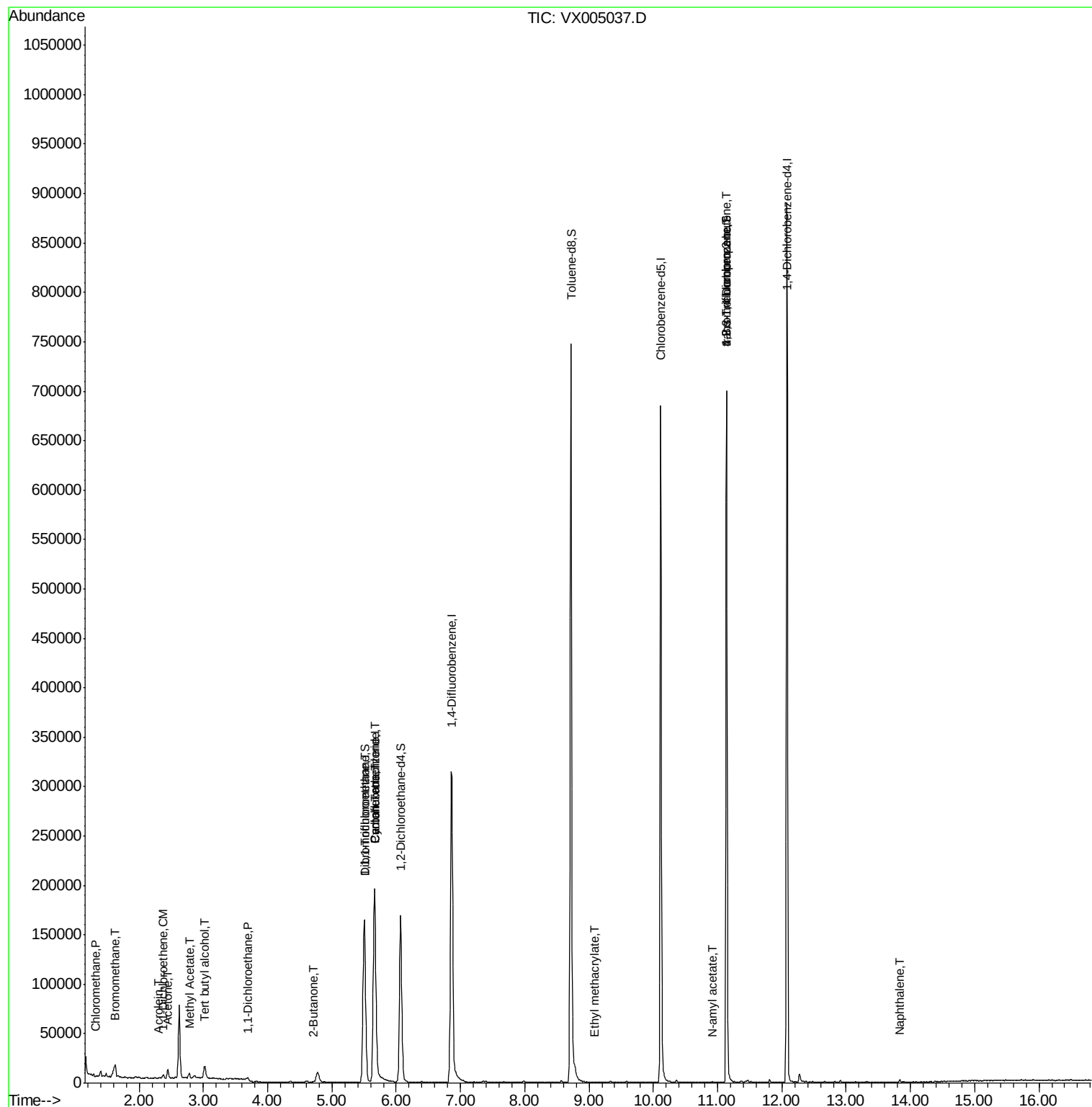
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	212413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185913	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	158505	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
35) Dibromofluoromethane	5.51	113	134318	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
50) Toluene-d8	8.72	98	490069	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.14	95	176687	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	928	0.264	ug/l #	86
5) Bromomethane	1.64	94	418	0.214	ug/l	91
6) Chloroethane	1.71	64	27	Below Cal	#	45
11) Tert butyl alcohol	3.02	59	8464	9.976	ug/l #	80
12) 1,1-Dichloroethene	2.37	96	845	0.367	ug/l	95
13) Acrolein	2.29	56	265	0.439	ug/l #	67
16) Acetone	2.45	43	9235	5.213	ug/l #	80
18) Methyl Acetate	2.78	43	5820	1.297	ug/l	95
20) Methylene Chloride	2.86	84	1313	Below Cal	#	89
24) 1,1-Dichloroethane	3.69	63	1156	0.229	ug/l #	88
25) 2-Butanone	4.71	43	1077	0.412	ug/l #	74
31) Cyclohexane	5.67	56	3896	1.009	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	7368	1.892	ug/l	98
38) Carbon Tetrachloride	5.66	117	18743	4.554	ug/l #	17
56) Ethyl methacrylate	9.09	69	43	2.871	ug/l #	1
74) N-amyl acetate	10.91	43	207	1.779	ug/l #	50
76) 1,2,3-Trichloropropane	11.14	75	86689	20.804	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	288	Below Cal		90
81) trans-1,4-Dichloro-2-buten	11.14	75	86689	56.472	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1022	Below Cal		80
95) Naphthalene	13.84	128	1272	0.801	ug/l #	82

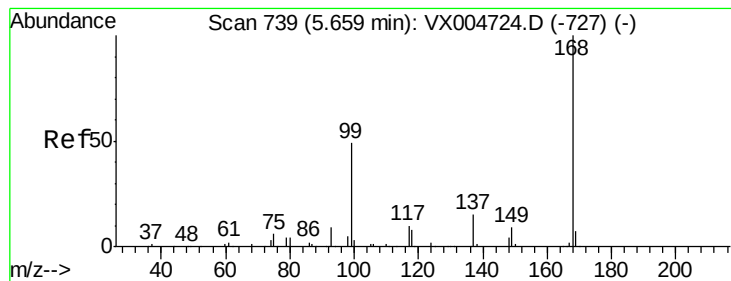
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

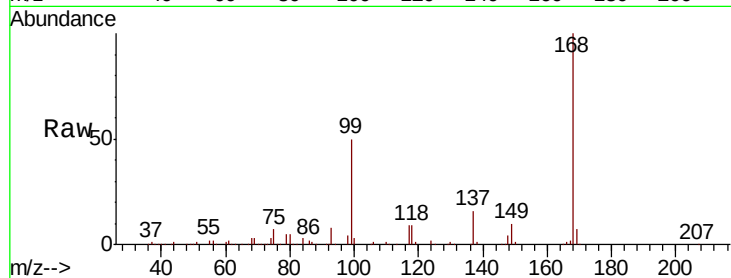
SA-TW506-4751

Tot Ion:168 Resp: 212413

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

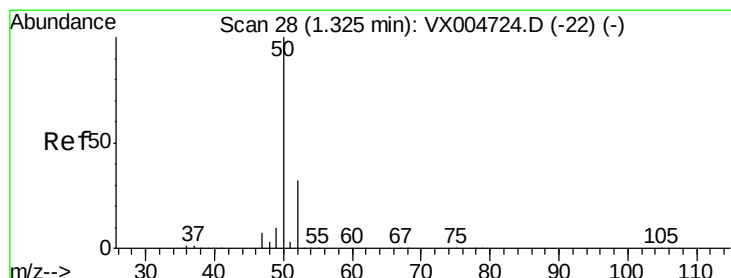
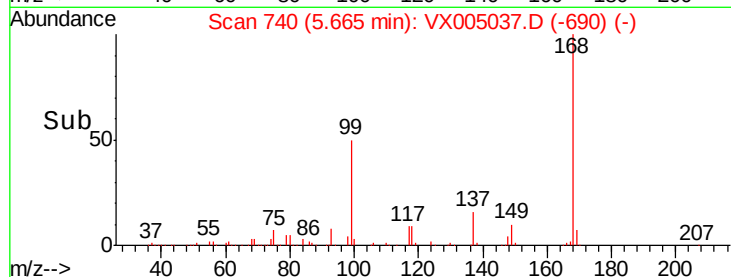
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.264 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005037.D

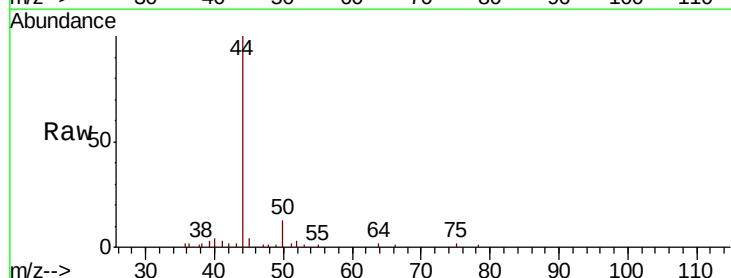
Acq: 04 Oct 2018 23:36

Tgt Ion: 50 Resp: 928

Ion Ratio Lower Upper

50 100

52 24.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

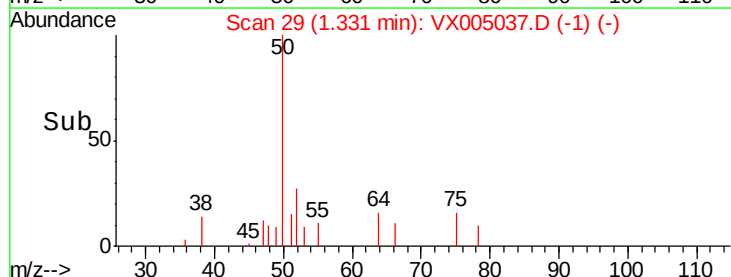
400

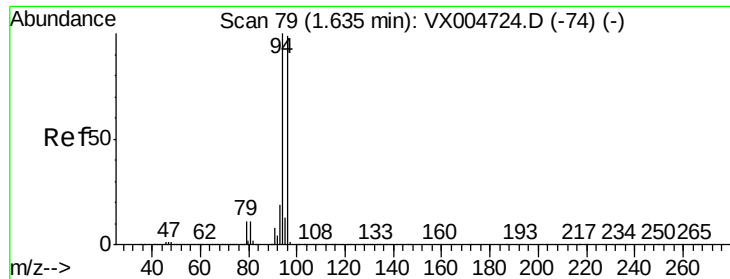
200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.214 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

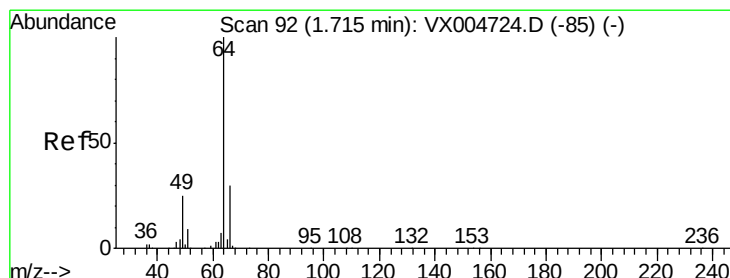
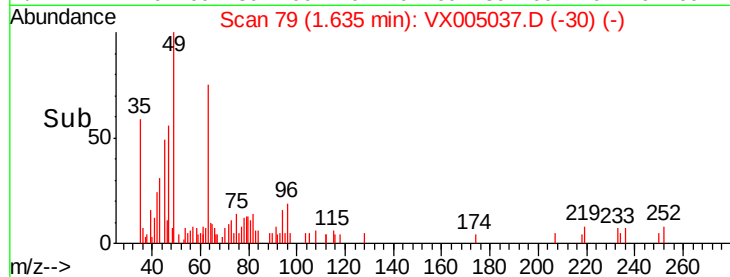
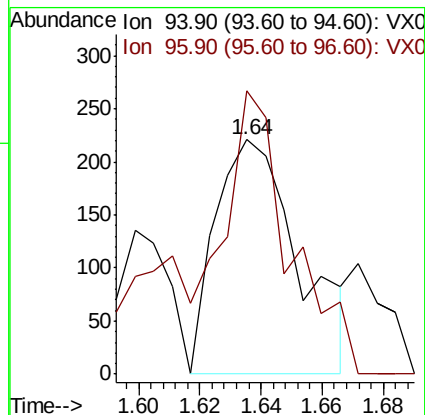
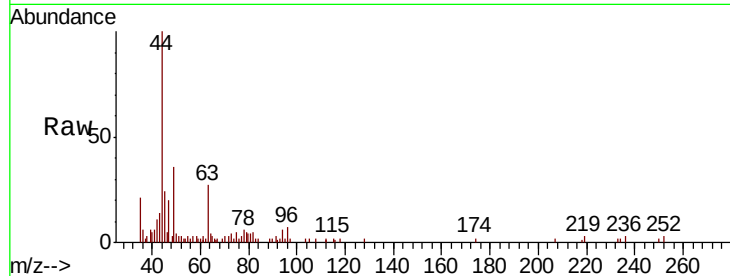
SA-TW506-4751

Tot Ion: 94 Resp: 418

Ion Ratio Lower Upper

94 100

96 90.5 79.5 119.3



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005037.D

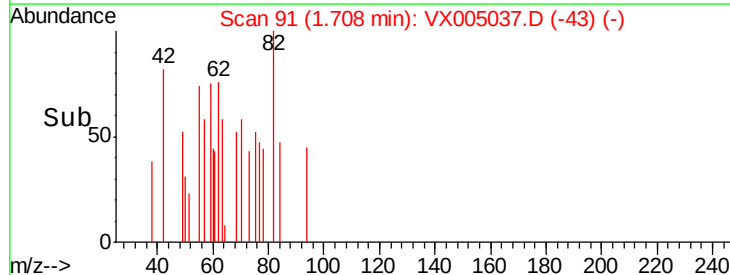
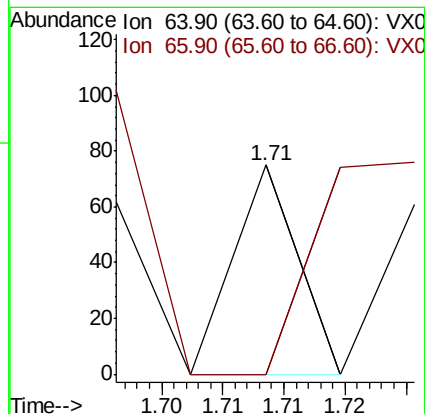
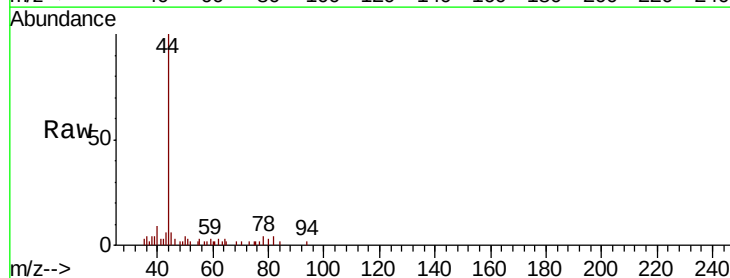
Acq: 04 Oct 2018 23:36

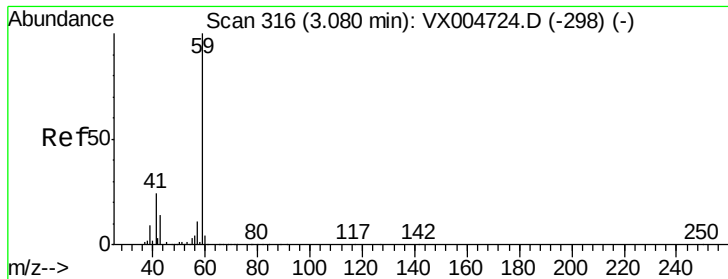
Tgt Ion: 64 Resp: 27

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



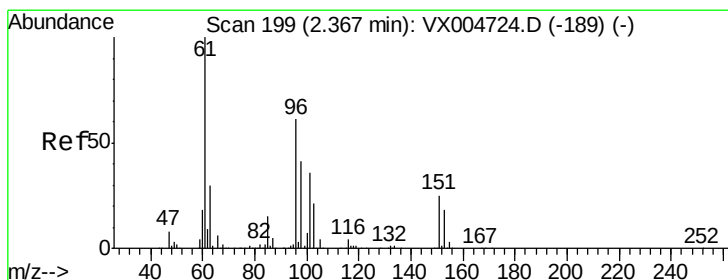
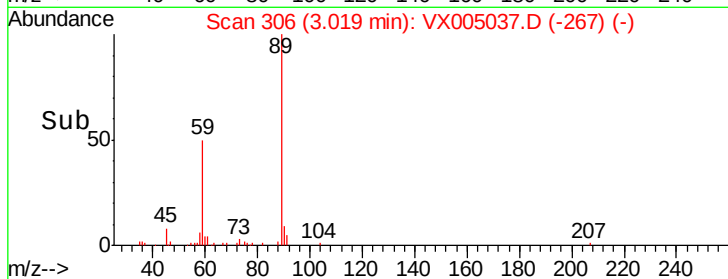
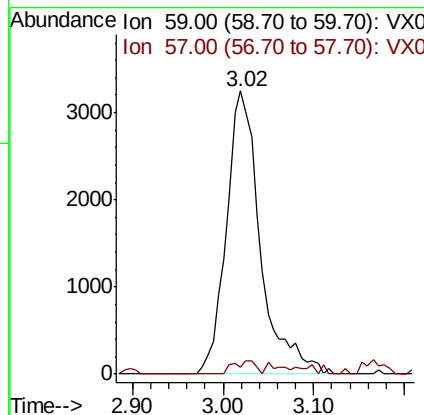
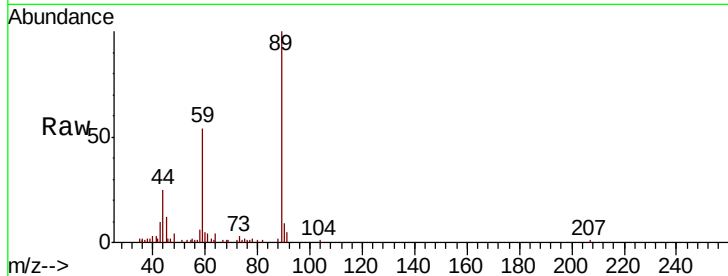


#11

Tert butyl alcohol
 Concen: 9.976 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005037.D
 Acq: 04 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW506-4751

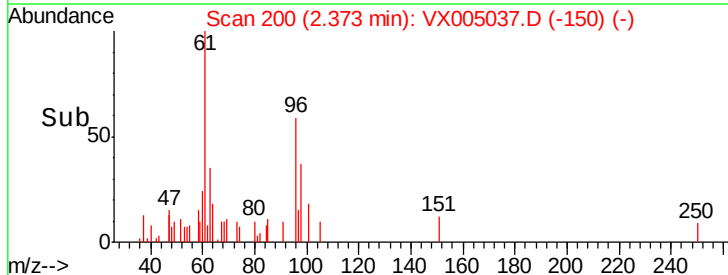
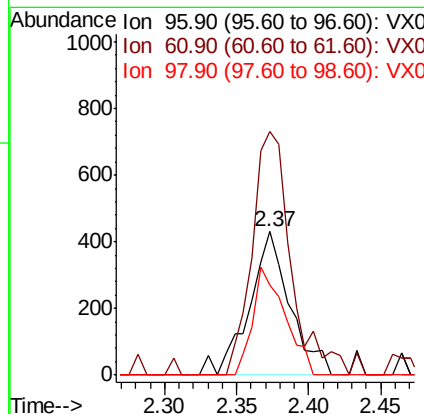
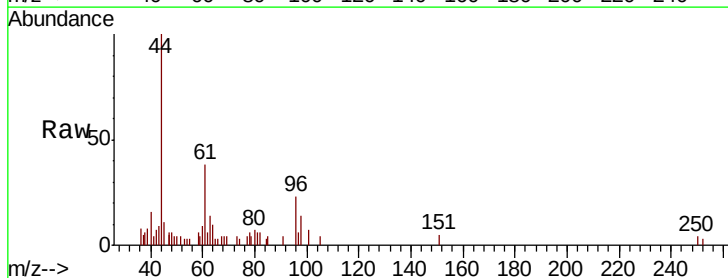
Tot Ion: 59 Resp: 8464
 Ion Ratio Lower Upper
 59 100
 57 3.0 8.6 12.8#

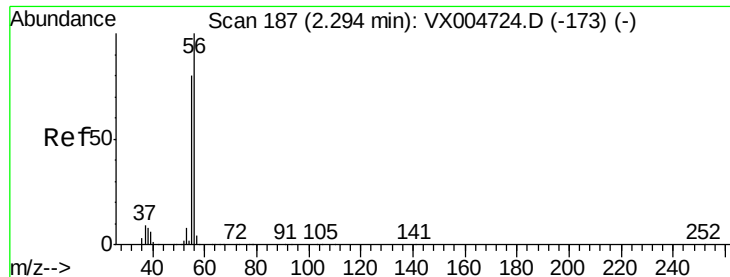


#12

1,1-Dichloroethene
 Concen: 0.367 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005037.D
 Acq: 04 Oct 2018 23:36

Tgt Ion: 96 Resp: 845
 Ion Ratio Lower Upper
 96 100
 61 170.0 130.2 195.4
 98 63.3 53.4 80.0





#13

Acrolein

Concen: 0.439 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

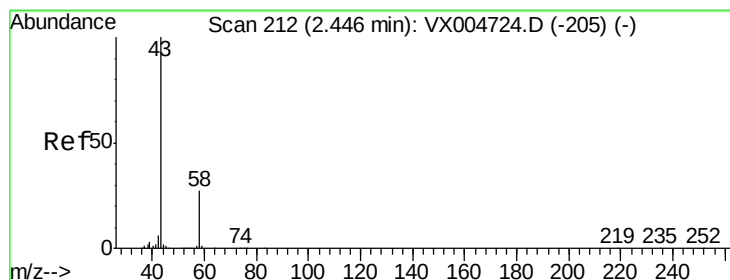
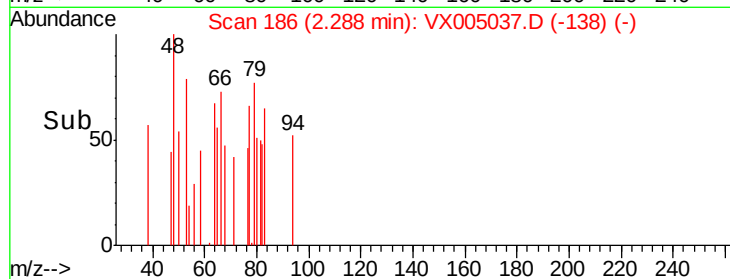
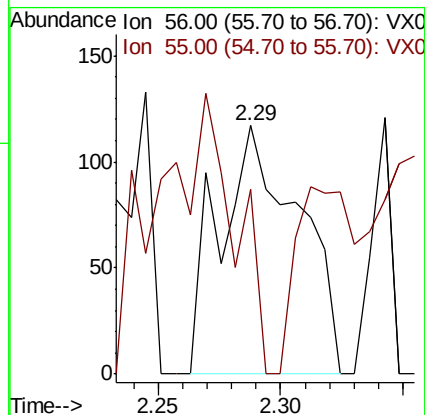
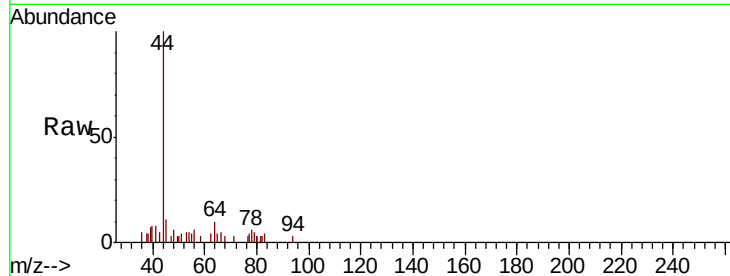
SA-TW506-4751

Tot Ion: 56 Resp: 265

Ion Ratio Lower Upper

56 100

55 108.3 63.4 95.2#



#16

Acetone

Concen: 5.213 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005037.D

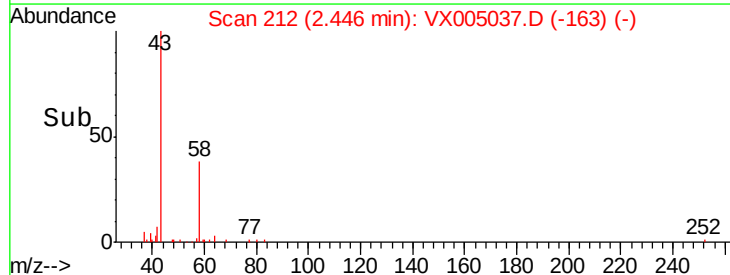
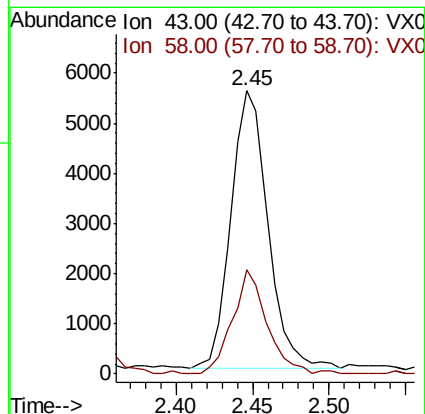
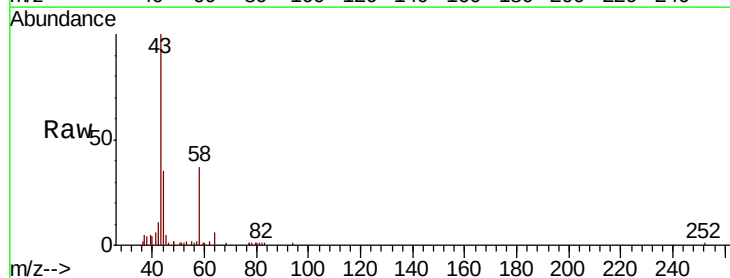
Acq: 04 Oct 2018 23:36

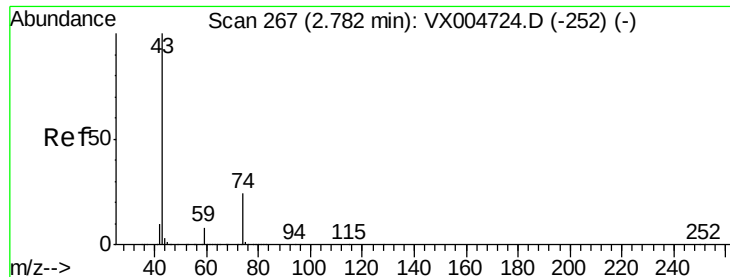
Tgt Ion: 43 Resp: 9235

Ion Ratio Lower Upper

43 100

58 37.5 21.8 32.6#

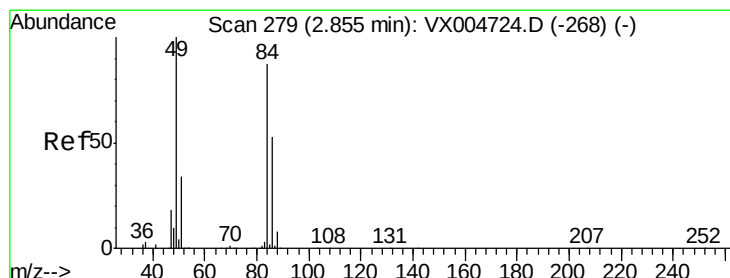
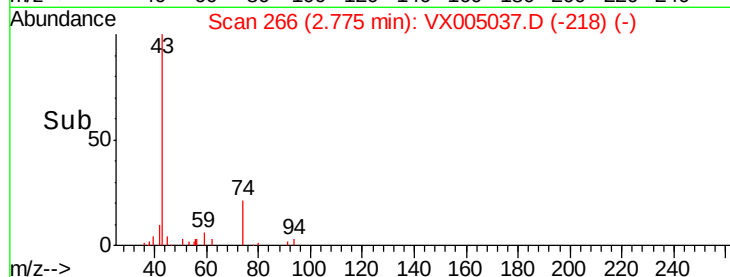
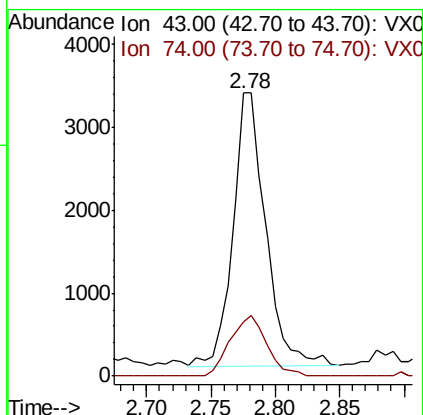
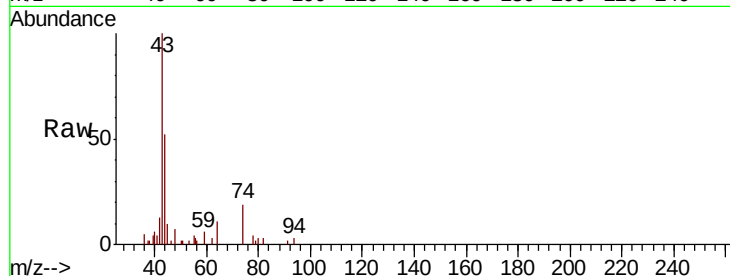




#18
Methyl Acetate
Concen: 1.297 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

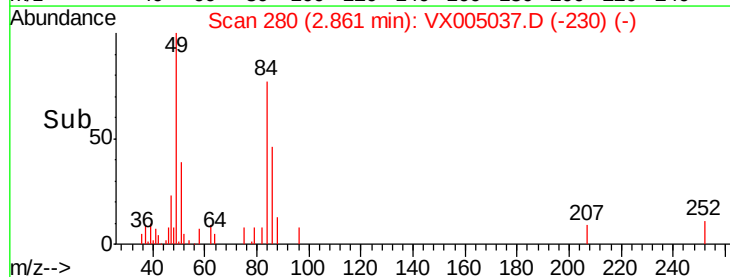
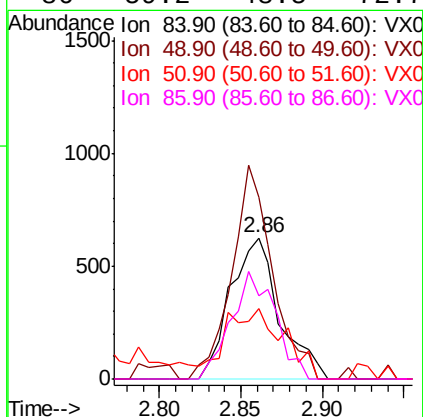
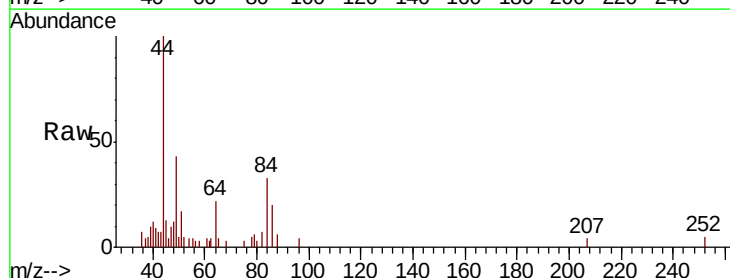
Instrument :
MSVOA_X
ClientSampleId :
SA-TW506-4751

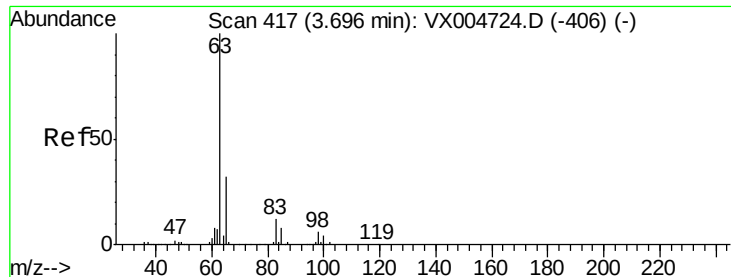
Tot Ion: 43 Resp: 5820
Ion Ratio Lower Upper
43 100
74 24.7 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

Tgt Ion: 84 Resp: 1313
Ion Ratio Lower Upper
84 100
49 129.3 92.3 138.5
51 50.2 31.8 47.6#
86 59.2 48.5 72.7

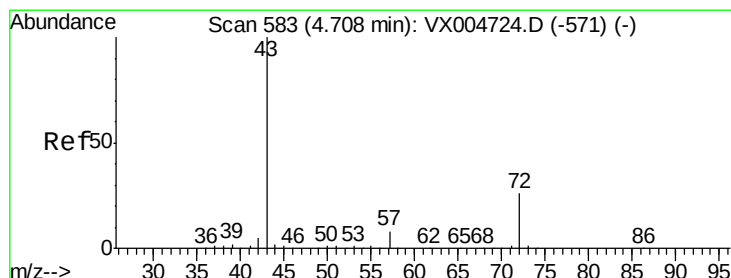
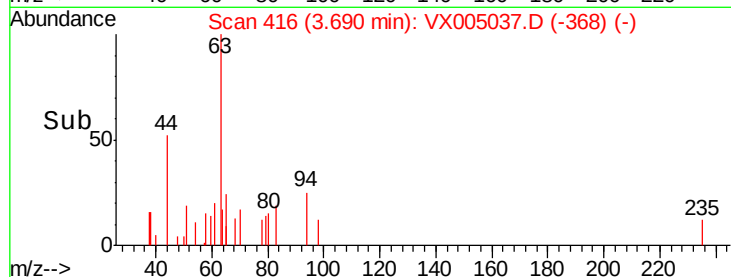
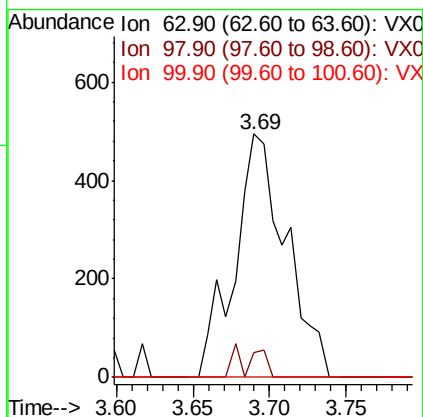
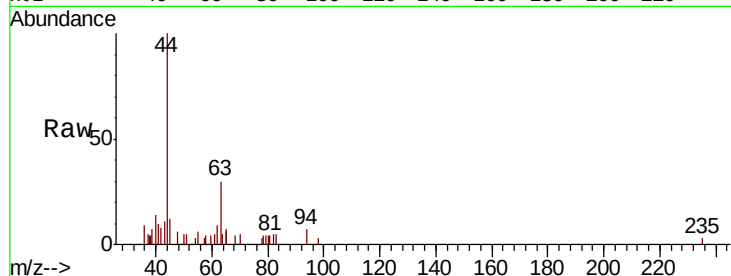




#24
 1,1-Dichloroethane
 Concen: 0.229 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX005037.D
 Acq: 04 Oct 2018 23:36

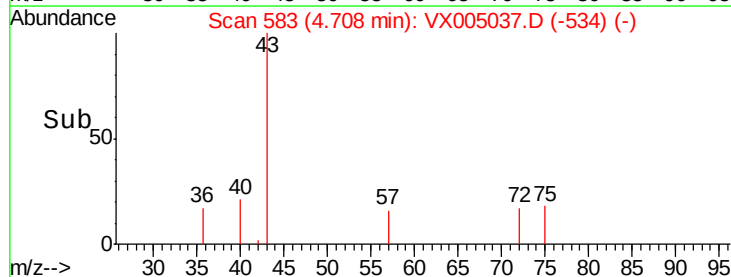
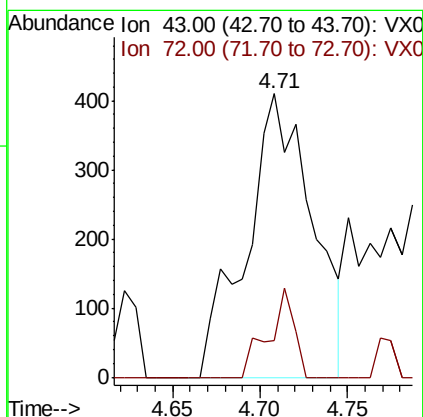
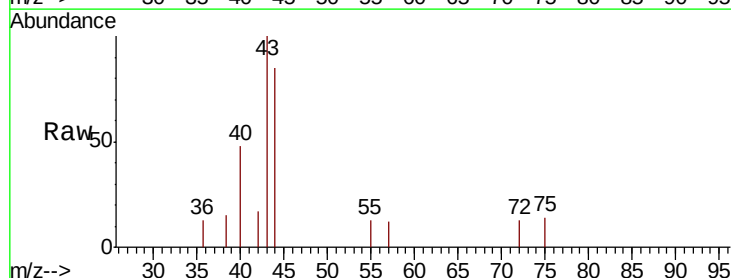
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 ClientSampleId :
 SA-TW506-4751

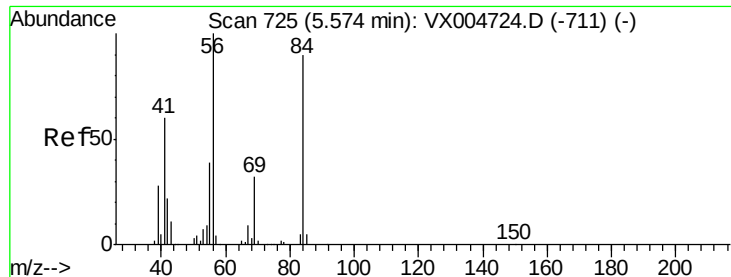
Tot Ion	Ratio	Lower	Upper
63	100		
98	10.3	3.0	9.2#
100	0.0	2.0	5.8#



#25
 2-Butanone
 Concen: 0.412 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VX005037.D
 Acq: 04 Oct 2018 23:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	12.9	20.8	31.2#

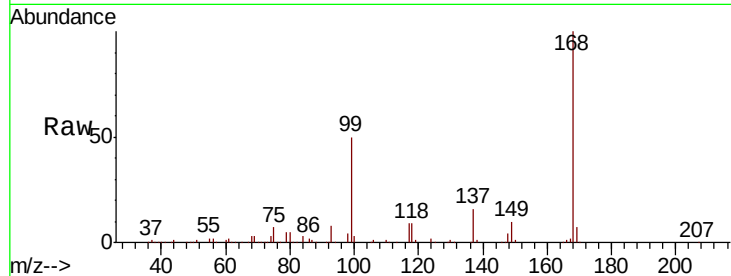




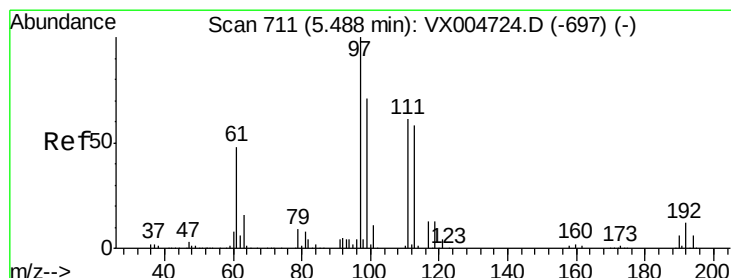
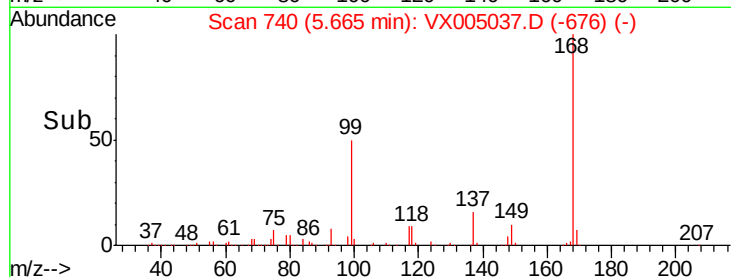
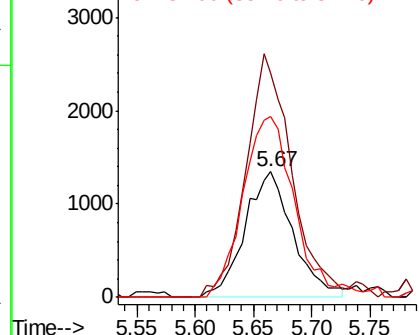
#31
Cyclohexane
Concen: 1.009 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

Instrument :
MSVOA_X
ClientSampleId :
SA-TW506-4751

Tot Ion: 56 Resp: 3896
Ion Ratio Lower Upper
56 100
69 179.4 25.9 38.9#
84 143.9 71.9 107.9#

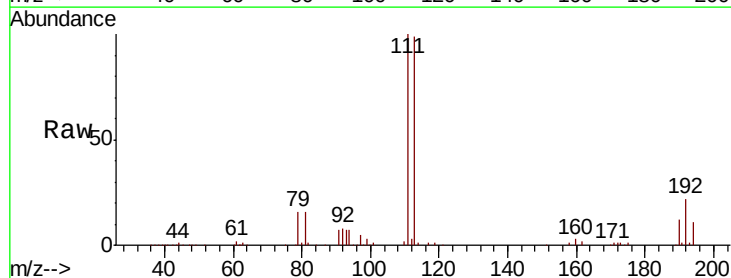


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

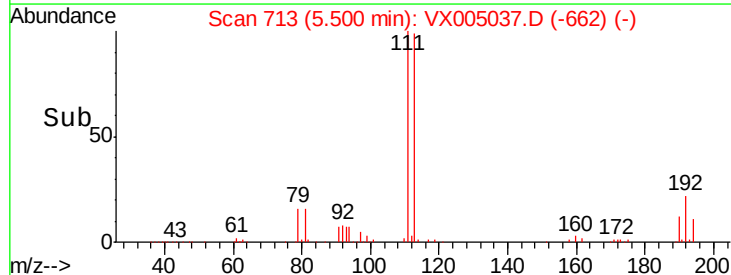
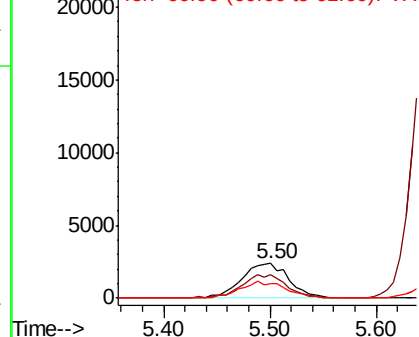


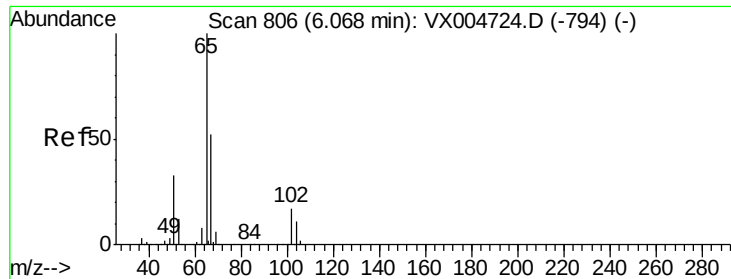
#32
1,1,1-Trichloroethane
Concen: 1.892 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

Tgt Ion: 97 Resp: 7368
Ion Ratio Lower Upper
97 100
99 65.6 54.6 82.0
61 46.4 37.5 56.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

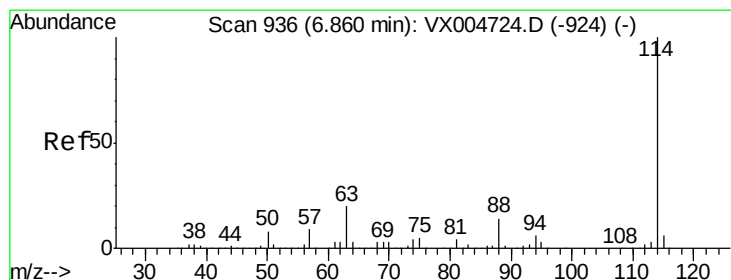
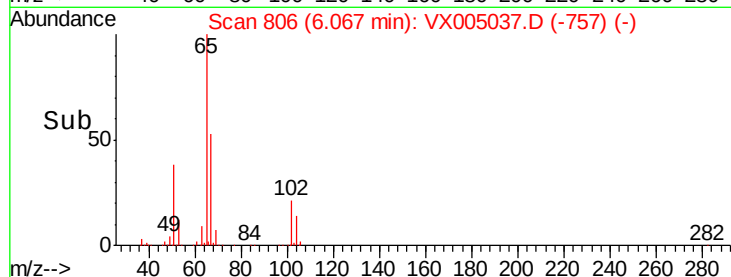
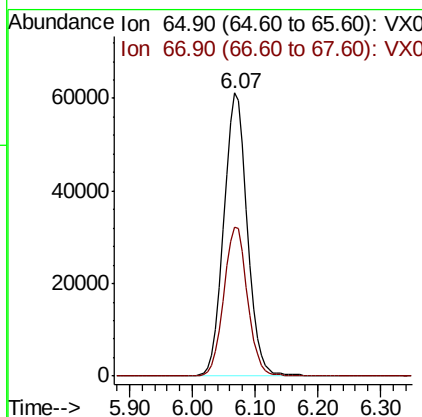
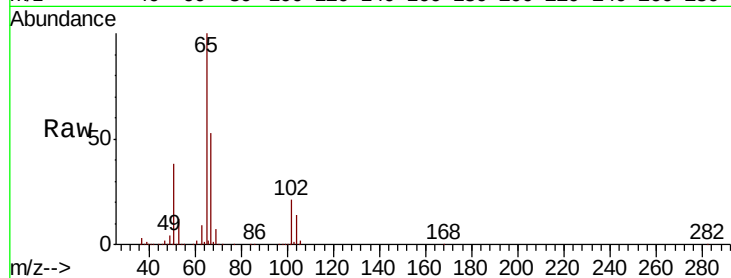




#33
 1,2-Dichloroethane-d4
 Concen: 52.237 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005037.D
 Acq: 04 Oct 2018 23:36

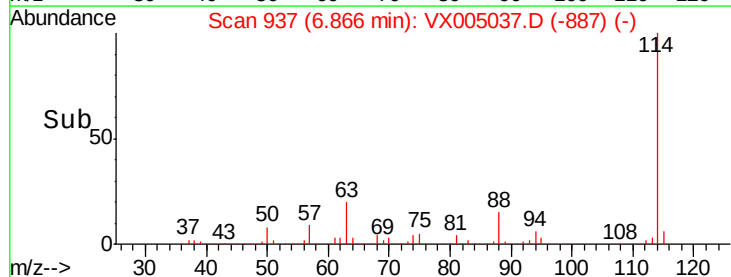
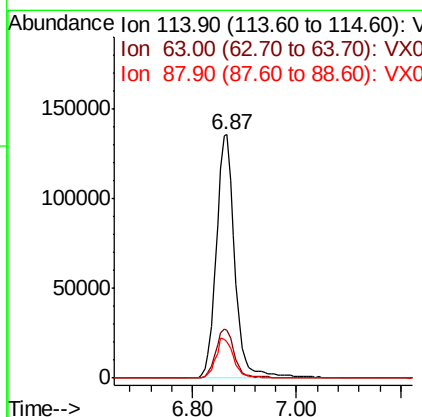
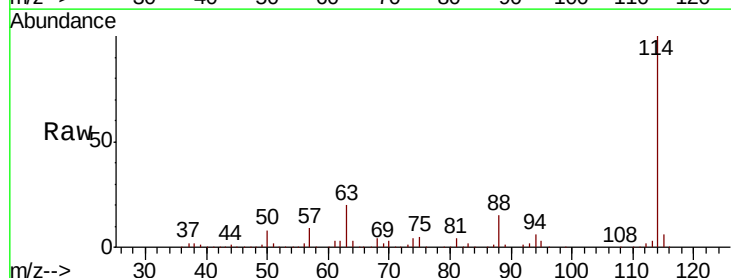
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW506-4751

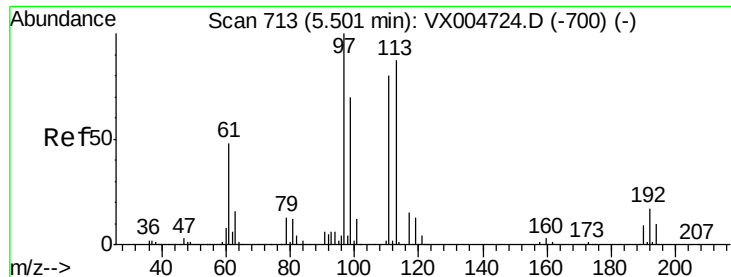
Tot Ion: 65 Resp: 158505
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005037.D
 Acq: 04 Oct 2018 23:36

Tgt Ion: 114 Resp: 338638
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 14.8 0.0 27.0

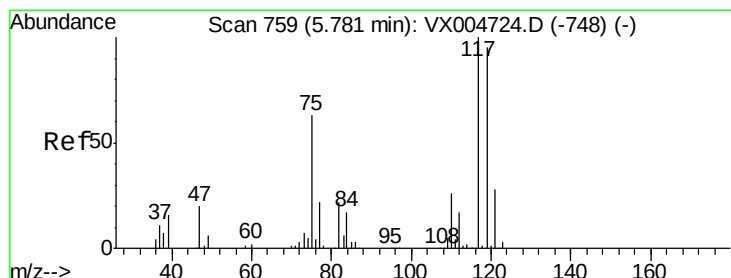
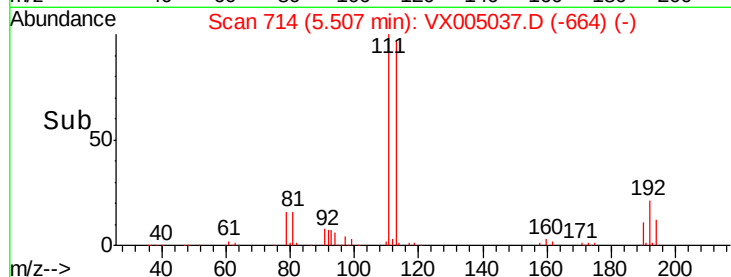
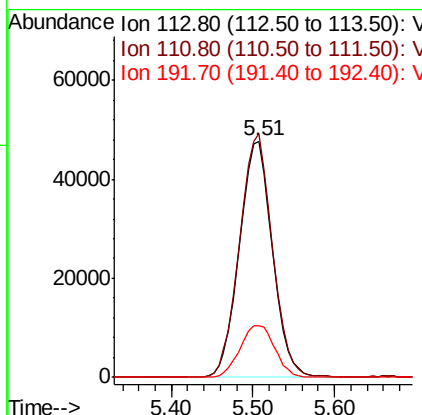
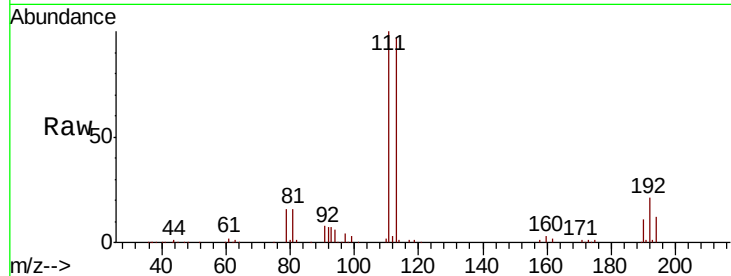




#35
Dibromofluoromethane
Concen: 46.801 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

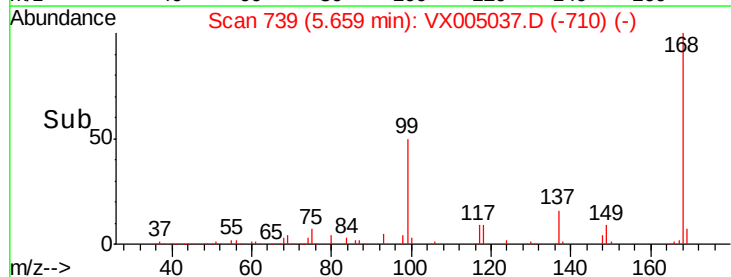
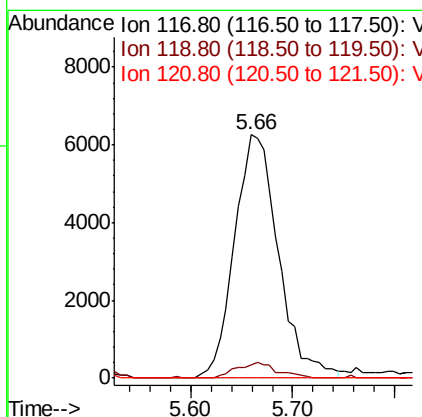
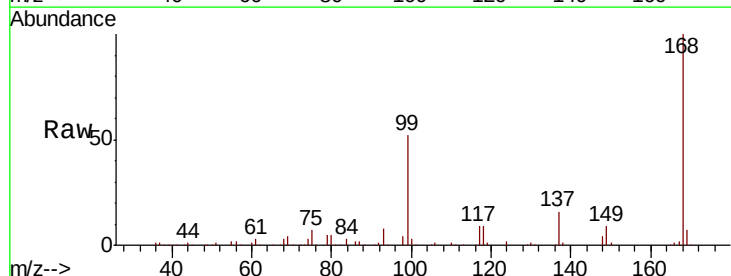
Instrument :
MSVOA_X
ClientSampleId :
SA-TW506-4751

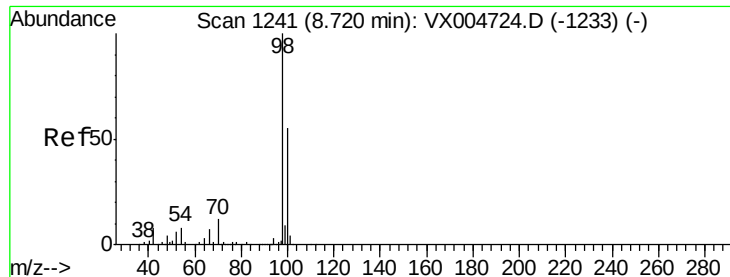
Tot Ion:113 Resp: 134318
Ion Ratio Lower Upper
113 100
111 102.7 77.0 115.4
192 23.3 17.0 25.6



#38
Carbon Tetrachloride
Concen: 4.554 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

Tgt Ion:117 Resp: 18743
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 22.5 33.7#

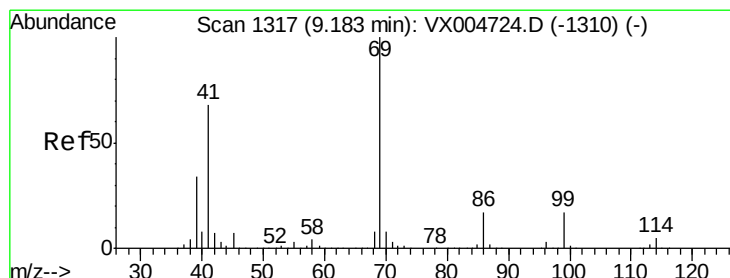
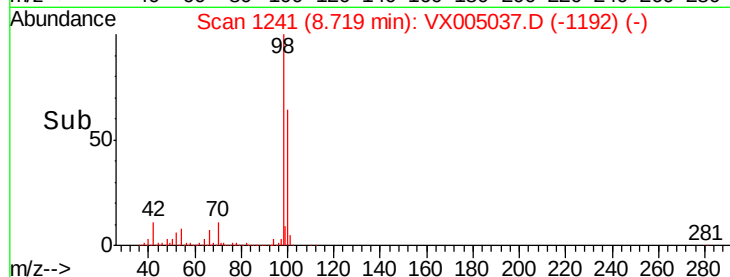
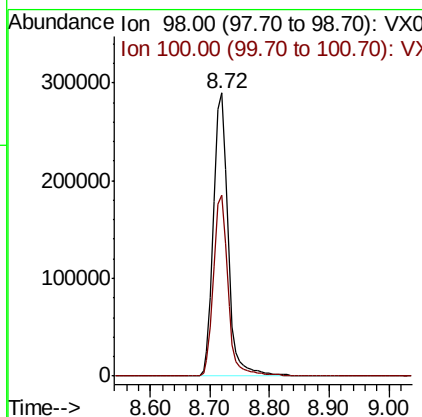
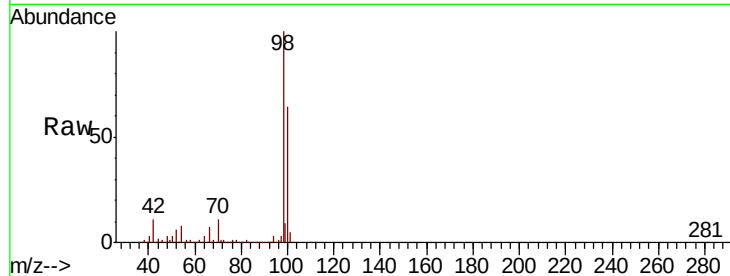




#50
Toluene-d8
Concen: 51.363 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

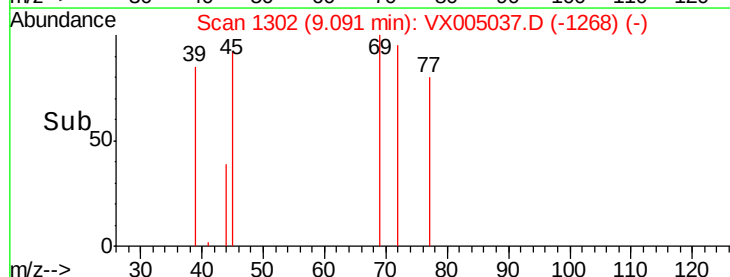
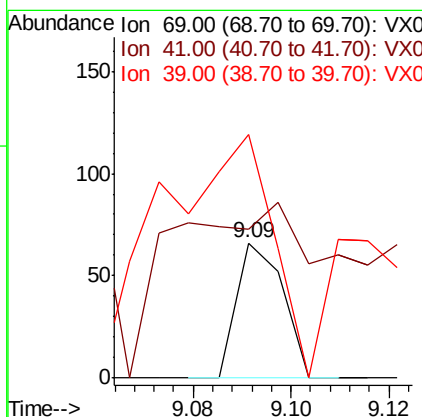
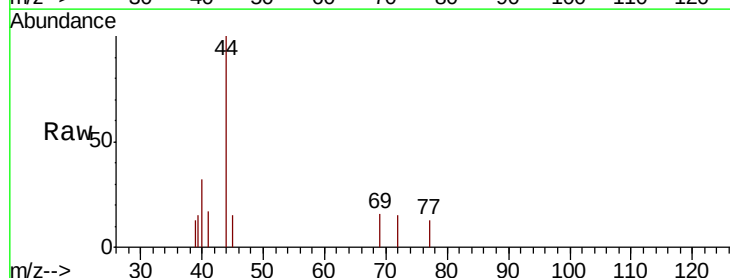
Instrument :
MSVOA_X
ClientSampleId :
SA-TW506-4751

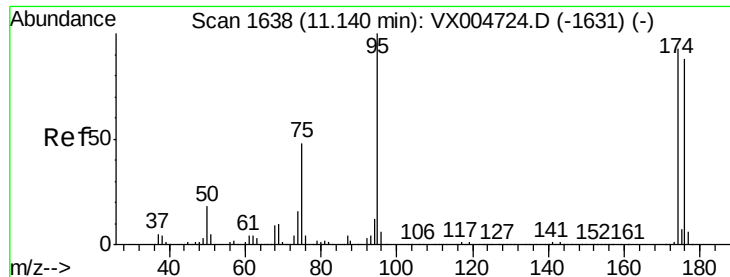
Tot Ion: 98 Resp: 490069
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 2.871 ug/l
RT: 9.09 min Scan# 1302
Delta R.T. -0.09 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

Tgt Ion: 69 Resp: 43
Ion Ratio Lower Upper
69 100
41 469.8 56.9 85.3#
39 439.5 28.4 42.6#

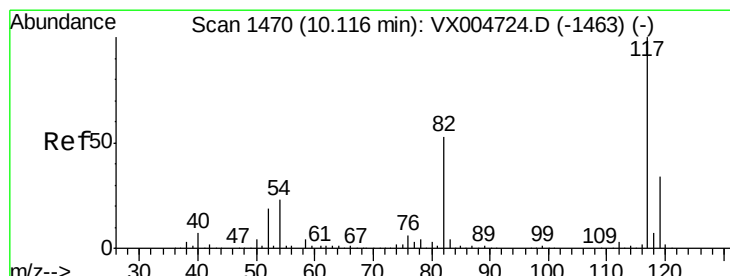
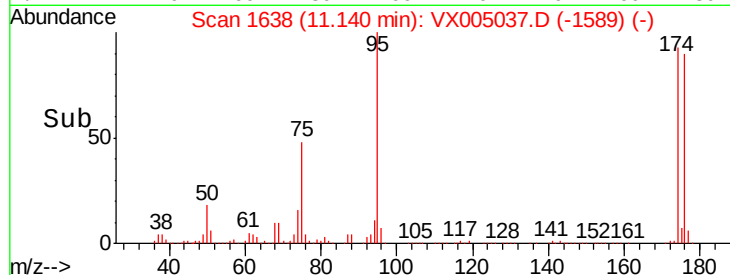
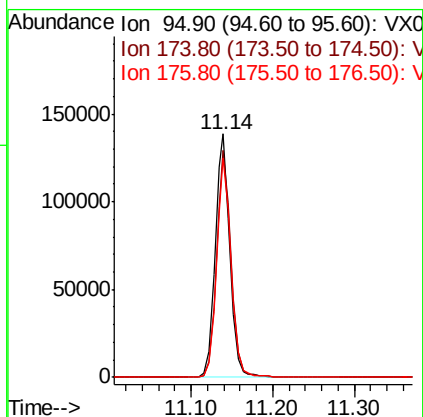
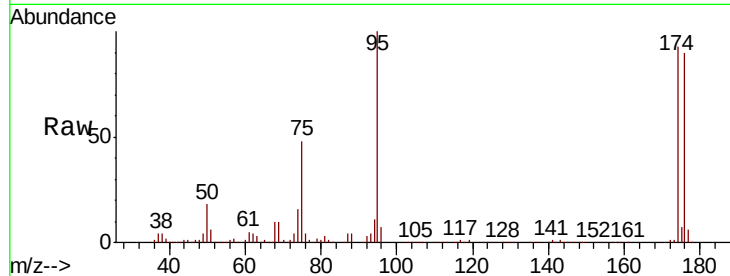




#62
4-Bromofluorobenzene
Concen: 51.403 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

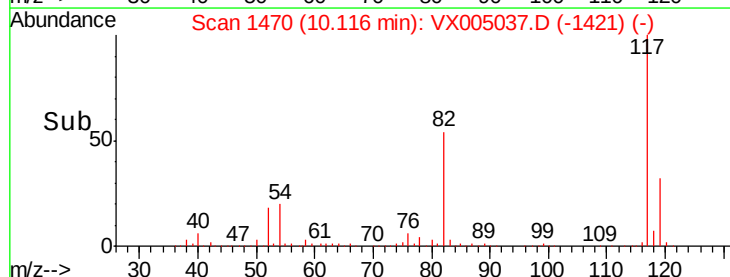
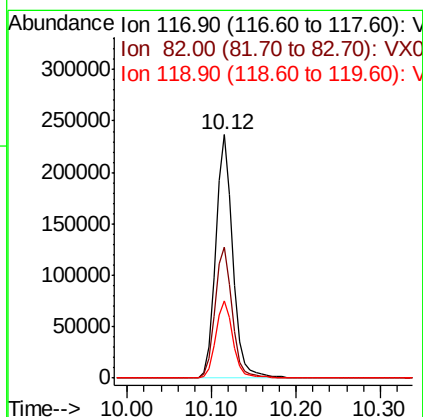
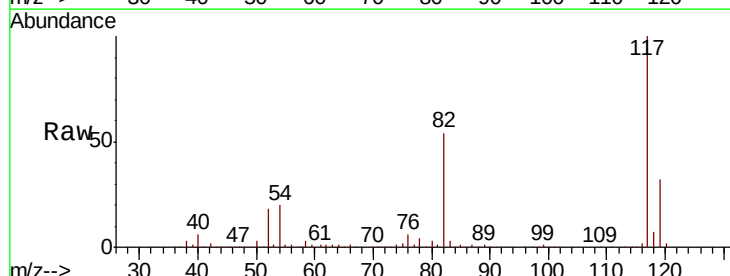
Instrument :
MSVOA_X
ClientSampleId :
SA-TW506-4751

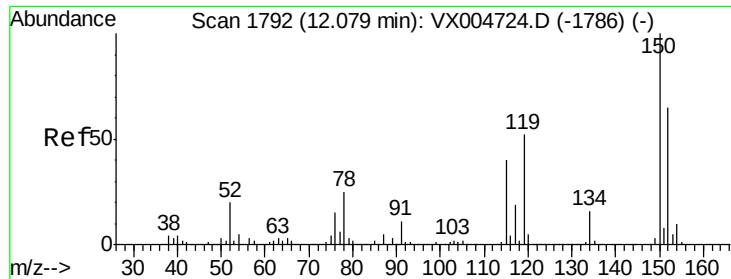
Tot Ion: 95 Resp: 176687
Ion Ratio Lower Upper
95 100
174 92.6 0.0 185.0
176 88.8 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005037.D
Acq: 04 Oct 2018 23:36

Tgt Ion: 117 Resp: 333246
Ion Ratio Lower Upper
117 100
82 54.0 42.2 63.4
119 31.8 27.4 41.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

SA-TW506-4751

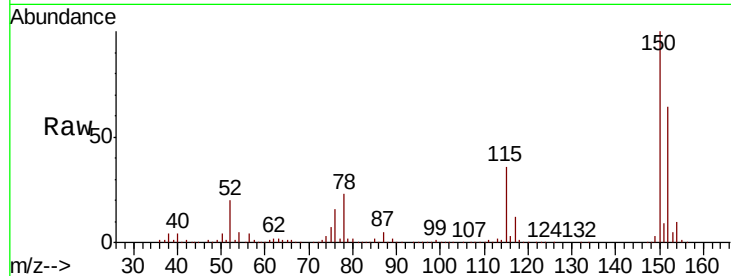
Tot Ion:152 Resp: 185913

Ion Ratio Lower Upper

152 100

115 55.4 40.2 120.6

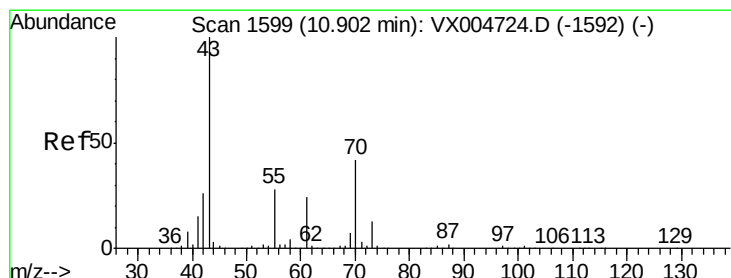
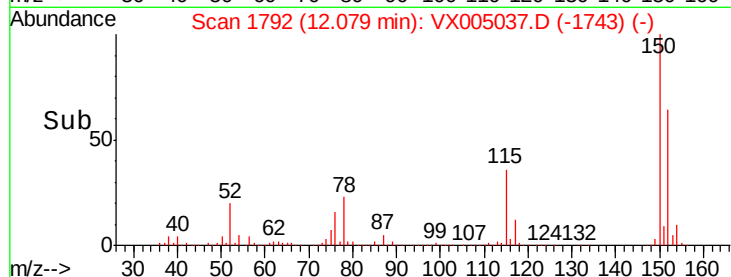
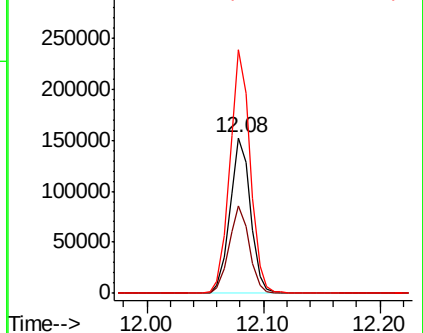
150 155.8 0.0 351.0



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



#74

N-ethyl acetate

Concen: 1.779 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

Tgt Ion: 43 Resp: 207

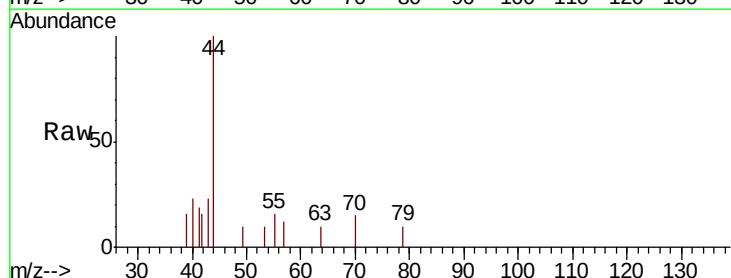
Ion Ratio Lower Upper

43 100

70 23.7 32.6 48.8#

55 71.0 21.6 32.4#

61 0.0 19.1 28.7#

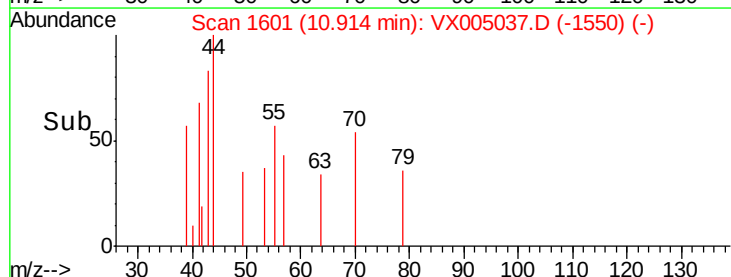
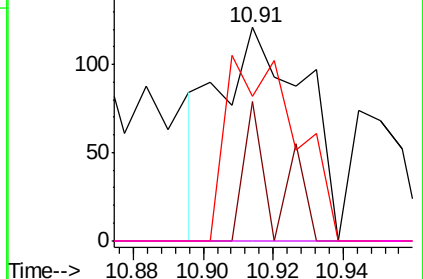


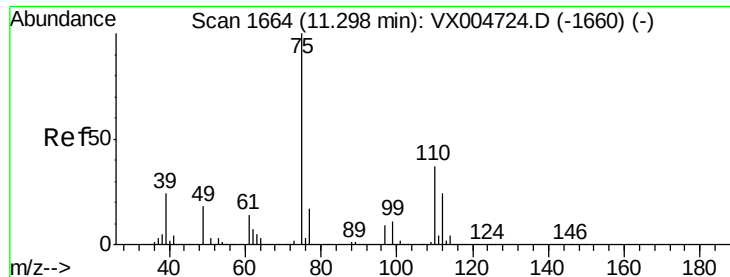
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.804 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

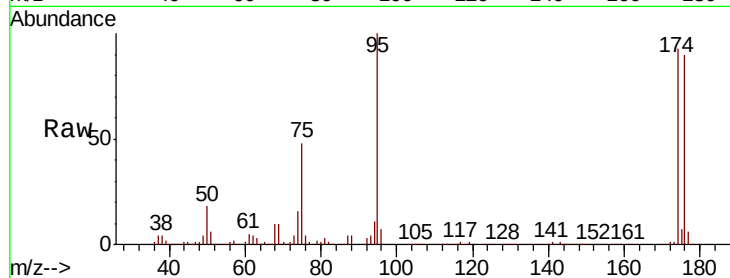
SA-TW506-4751

Tot Ion: 75 Resp: 86689

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

60000

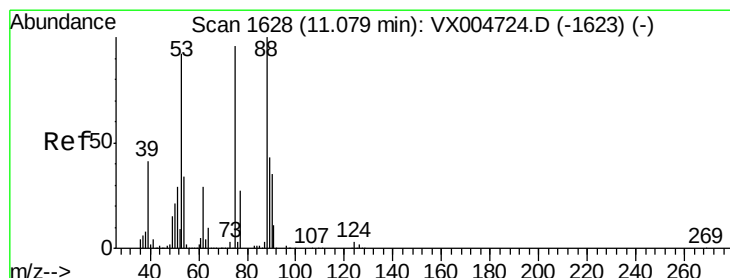
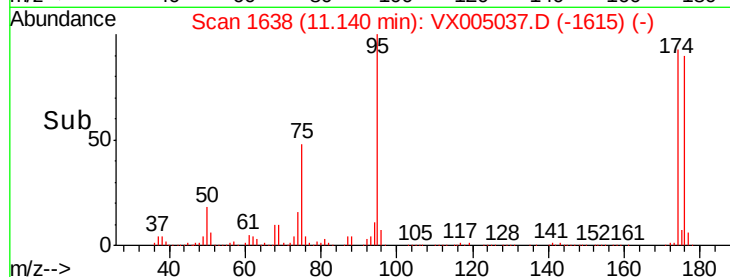
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 56.472 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

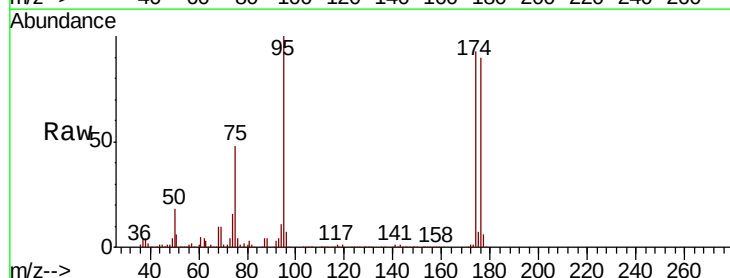
Tgt Ion: 75 Resp: 86689

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

89 0.0 37.1 55.7#



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

11.14

80000

60000

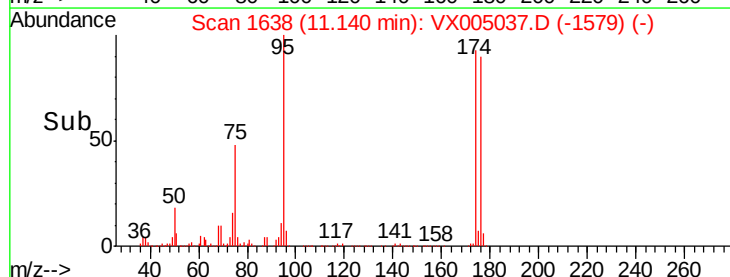
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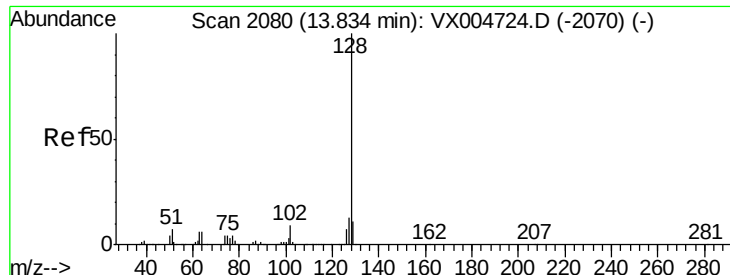
20000

0

Time-->

11.10 11.20





#95

Naphthalene

Concen: 0.801 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005037.D

Acq: 04 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

SA-TW506-4751

Tot Ion:128 Resp: 1272

Ion Ratio Lower Upper

128 100

127 23.6 10.4 15.6#

129 7.7 8.7 13.1#

