

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004852.D
 Acq On : 29 Sep 2018 05:52
 Operator : JC/MD
 Sample : J5134-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW503-4953

Quant Time: Sep 29 06:40:14 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

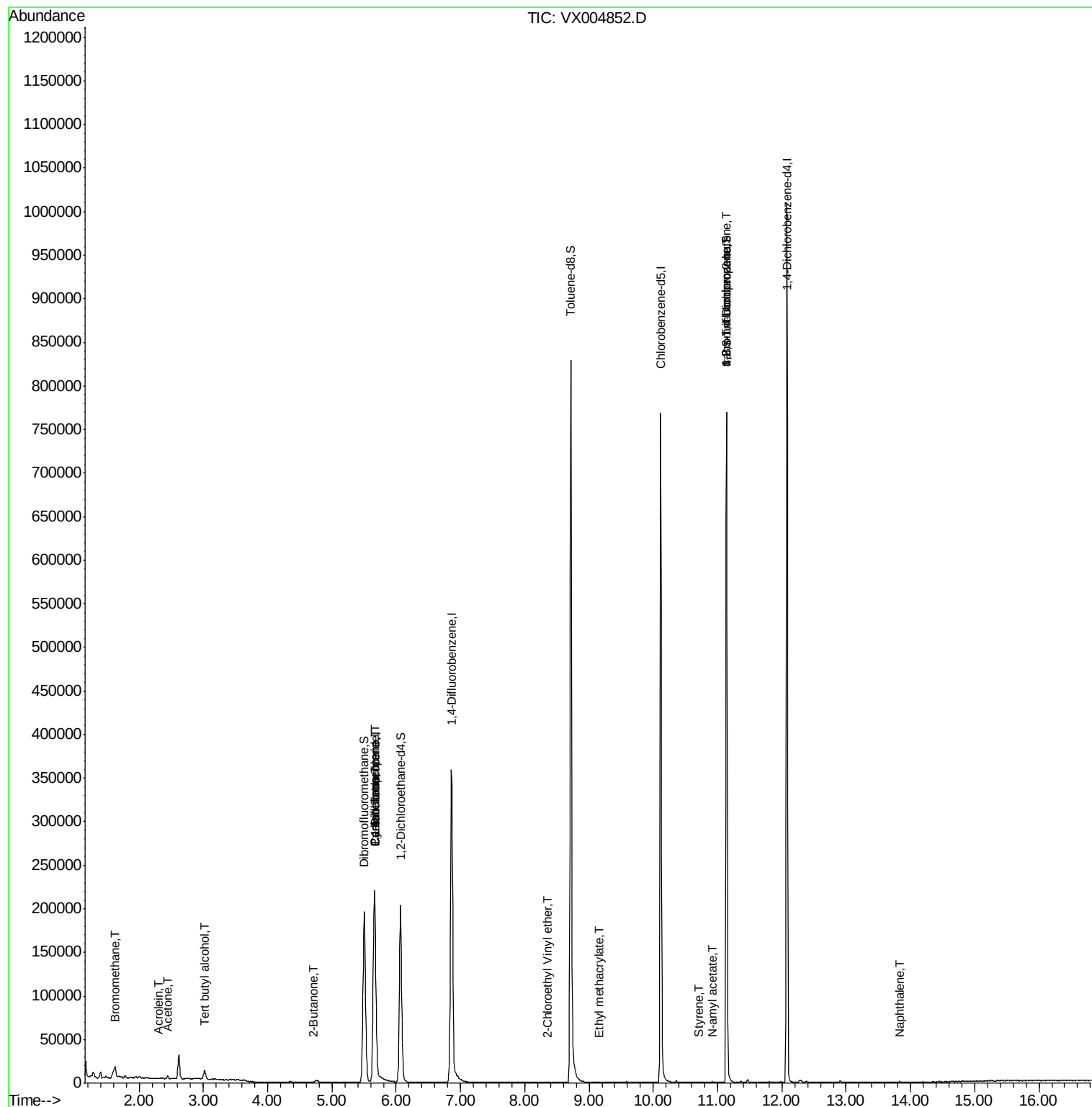
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382921	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205531	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	186862	55.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.58%	
35) Dibromofluoromethane	5.50	113	157826	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
50) Toluene-d8	8.72	98	546194	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.14	95	196980	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	581	0.267	ug/l	88
6) Chloroethane	1.67	64	355	Below Cal		97
11) Tert butyl alcohol	3.02	59	6208	6.570	ug/l #	80
13) Acrolein	2.31	56	286	0.425	ug/l #	38
16) Acetone	2.44	43	3306	1.676	ug/l #	84
20) Methylene Chloride	2.87	84	168	Below Cal	#	41
25) 2-Butanone	4.70	43	1078	0.371	ug/l #	47
31) Cyclohexane	5.66	56	4570	1.063	ug/l #	8
36) 1,1-Dichloropropene	5.66	75	16477	3.721	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21764	4.676	ug/l #	16
56) Ethyl methacrylate	9.16	69	25	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.35	63	19	14.248	ug/l #	45
70) Styrene	10.71	104	40	2.144	ug/l #	28
74) N-amyl acetate	10.91	43	371	1.798	ug/l #	73
76) 1,2,3-Trichloropropane	11.14	75	99081	21.508	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.44	105	495	Below Cal		63
81) trans-1,4-Dichloro-2-buten	11.14	75	99081	58.316	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	545	Below Cal		96
95) Naphthalene	13.83	128	532	0.750	ug/l	96

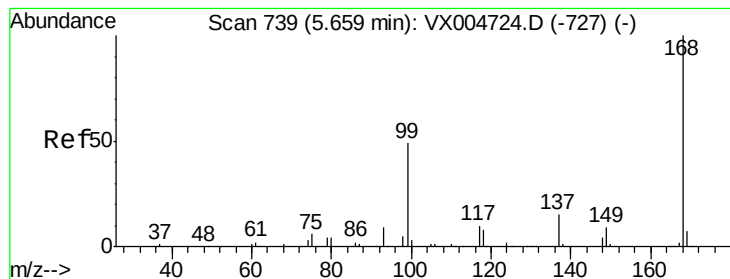
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004852.D

Acq: 29 Sep 2018 05:52

Instrument :

MSVOA_X

ClientSampleId :

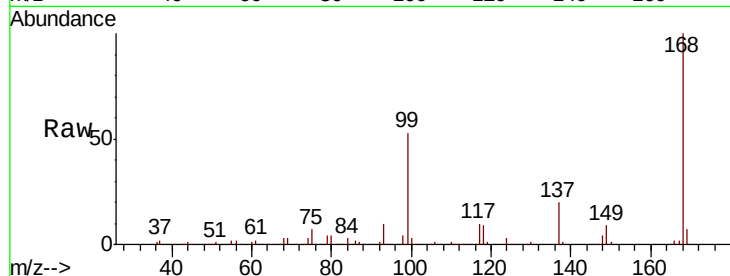
SA-TW503-4953

Tot Ion:168 Resp: 236578

Ion Ratio Lower Upper

168 100

99 52.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

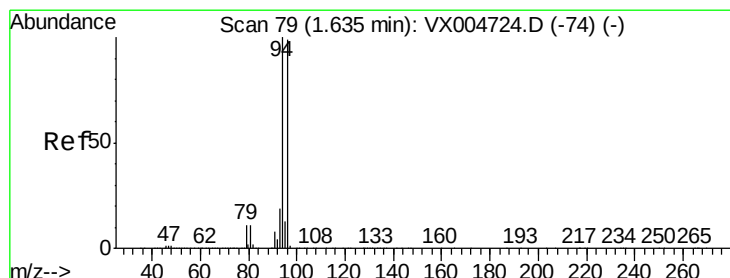
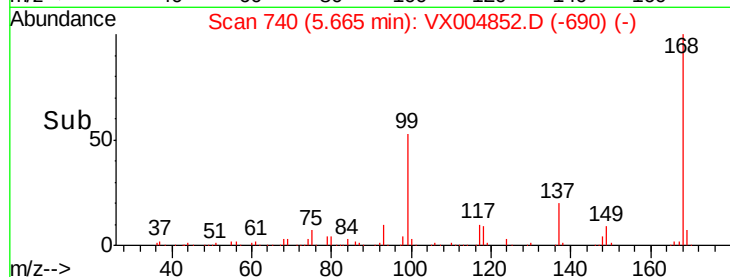
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.267 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004852.D

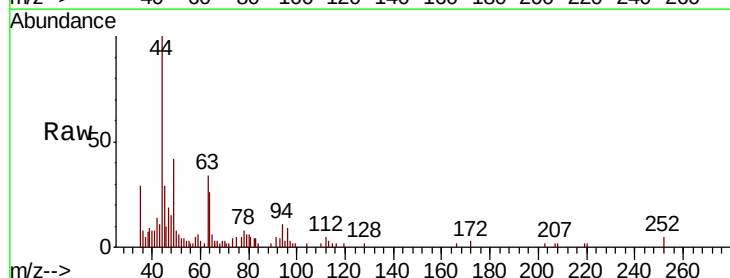
Acq: 29 Sep 2018 05:52

Tgt Ion: 94 Resp: 581

Ion Ratio Lower Upper

94 100

96 81.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

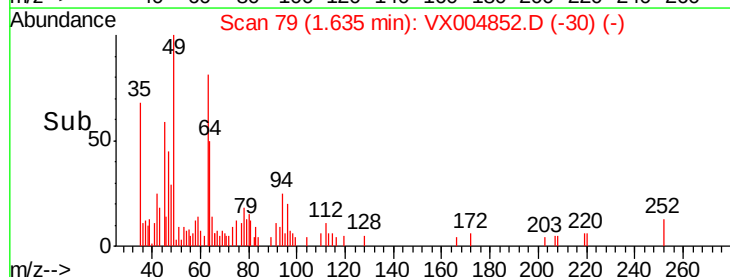
200

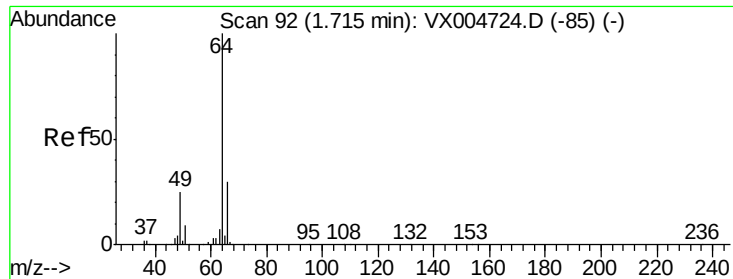
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX004852.D

Acq: 29 Sep 2018 05:52

Instrument :

MSVOA_X

ClientSampleId :

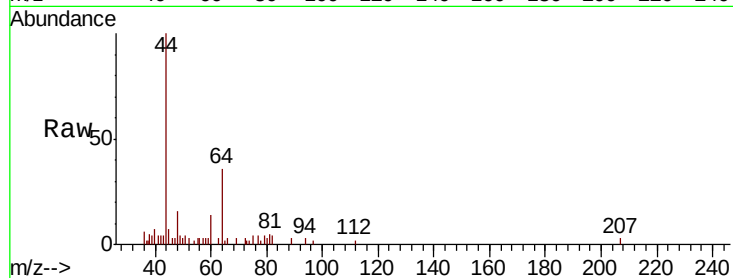
SA-TW503-4953

Tot Ion: 64 Resp: 355

Ion Ratio Lower Upper

64 100

66 28.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

800

600

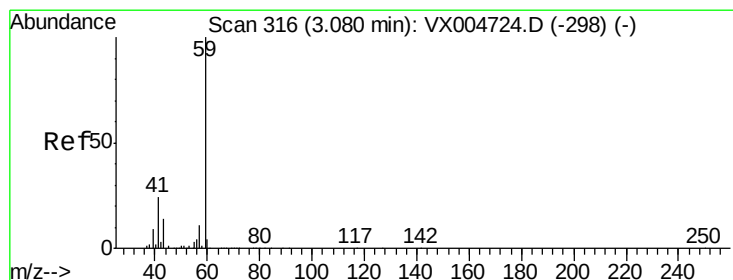
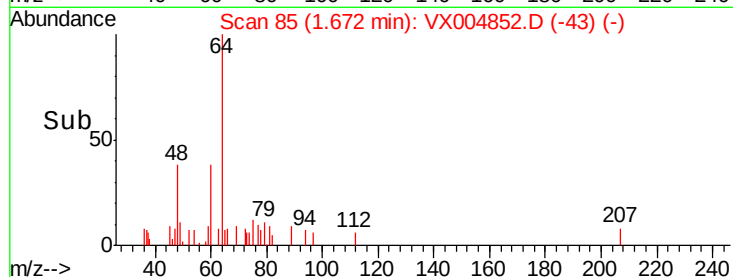
400

200

0

1.66 1.68 1.70

Time-->



#11

Tert butyl alcohol

Concen: 6.570 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004852.D

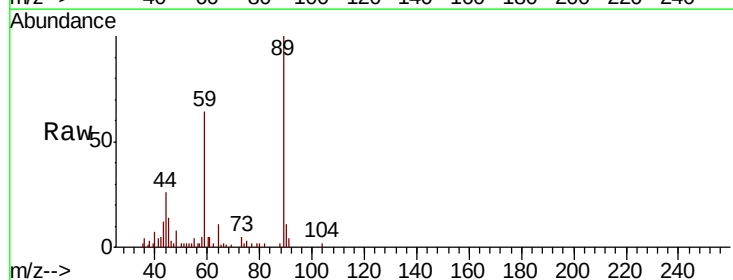
Acq: 29 Sep 2018 05:52

Tgt Ion: 59 Resp: 6208

Ion Ratio Lower Upper

59 100

57 2.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

3000

2500

2000

1500

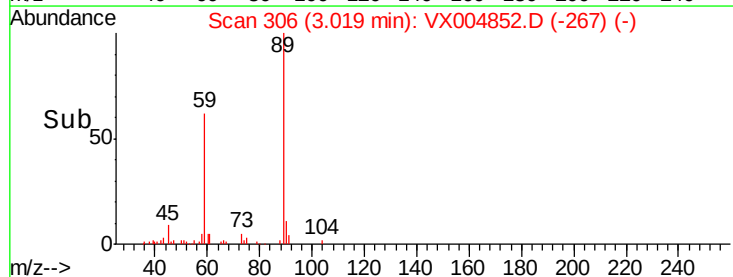
1000

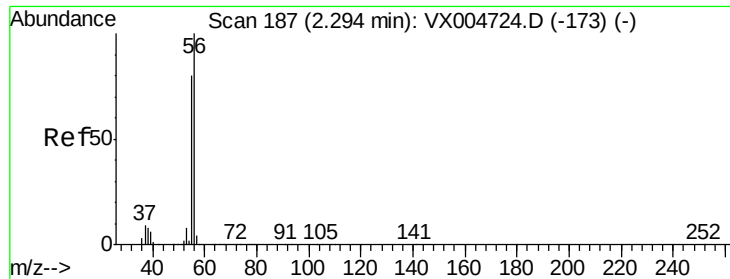
500

0

2.95 3.00 3.05 3.10

Time-->





#13

Acrolein

Concen: 0.425 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX004852.D

Acq: 29 Sep 2018 05:52

Instrument :

MSVOA_X

ClientSampleId :

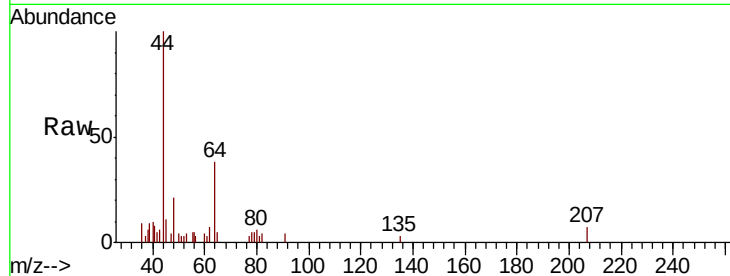
SA-TW503-4953

Tot Ion: 56 Resp: 286

Ion Ratio Lower Upper

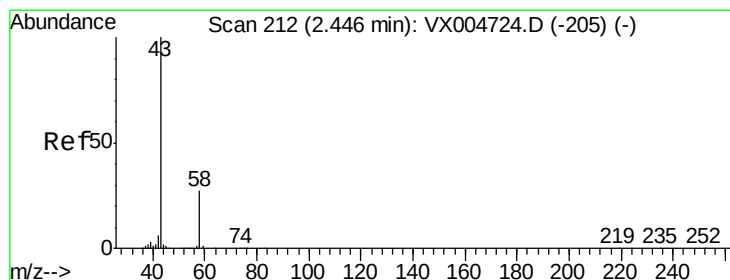
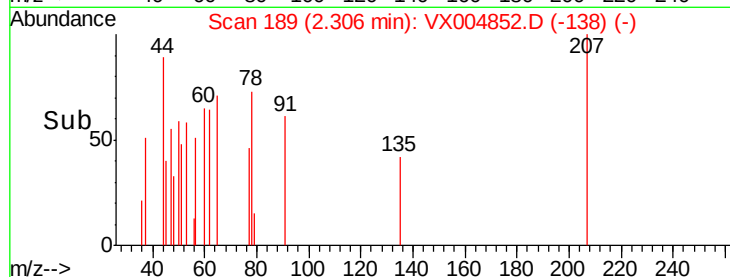
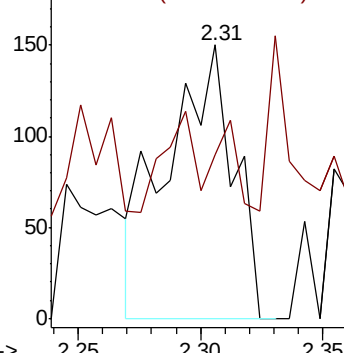
56 100

55 17.8 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.676 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004852.D

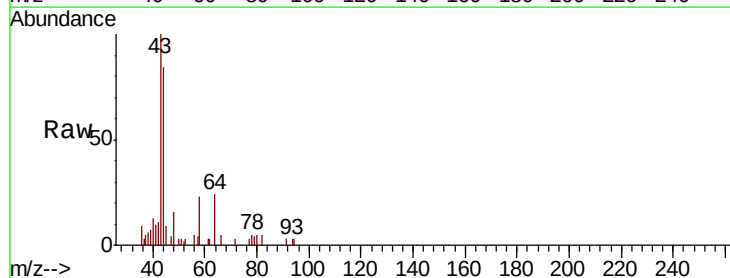
Acq: 29 Sep 2018 05:52

Tgt Ion: 43 Resp: 3306

Ion Ratio Lower Upper

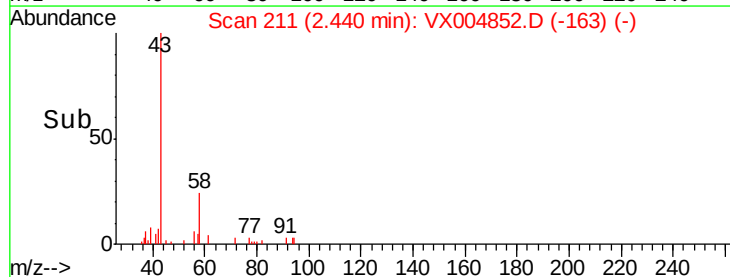
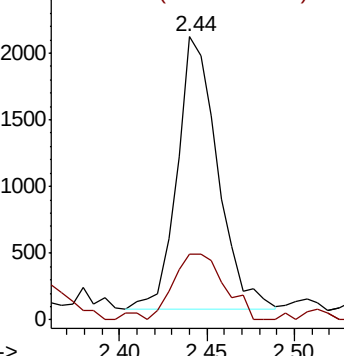
43 100

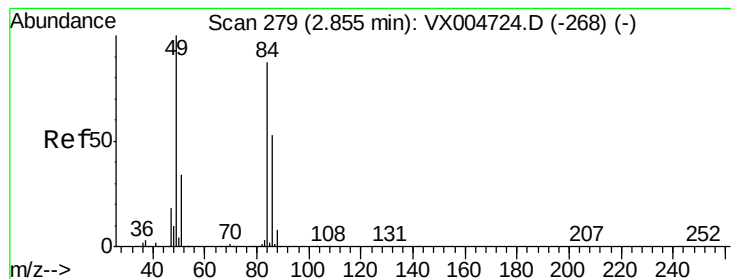
58 24.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX004852.D

Acq: 29 Sep 2018 05:52

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-4953

Tot Ion: 84 Resp: 168

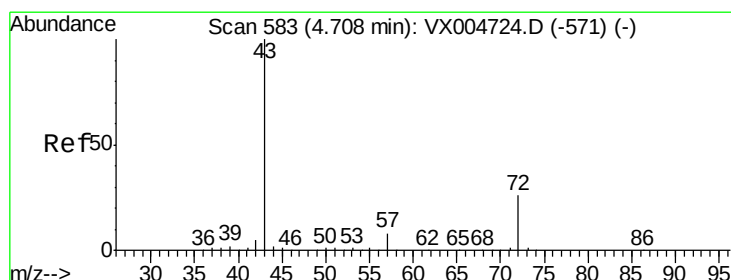
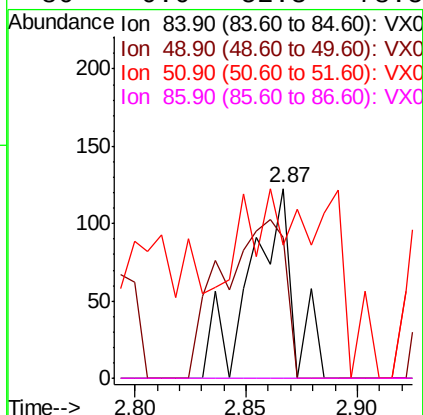
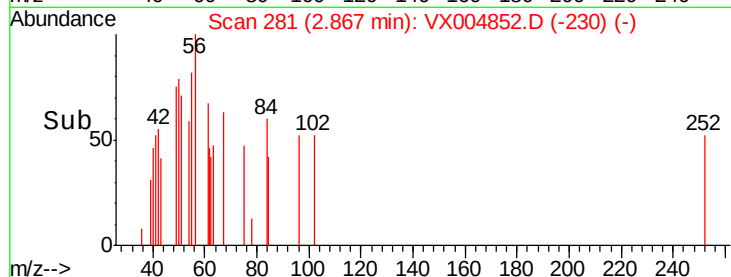
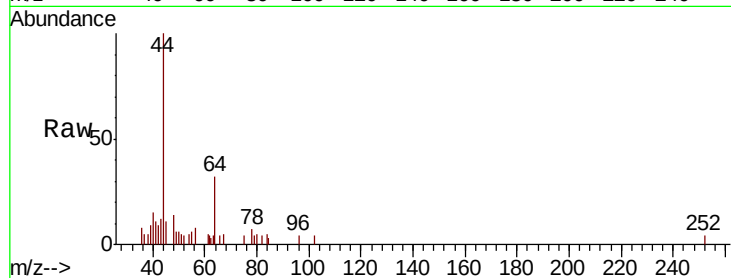
Ion Ratio Lower Upper

84 100

49 74.0 101.2 151.8#

51 0.0 29.5 44.3#

86 0.0 52.3 78.5#



#25

2-Butanone

Concen: 0.371 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004852.D

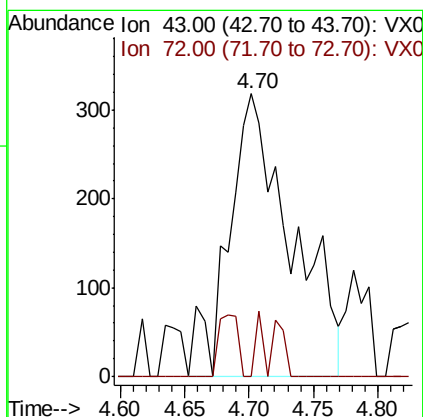
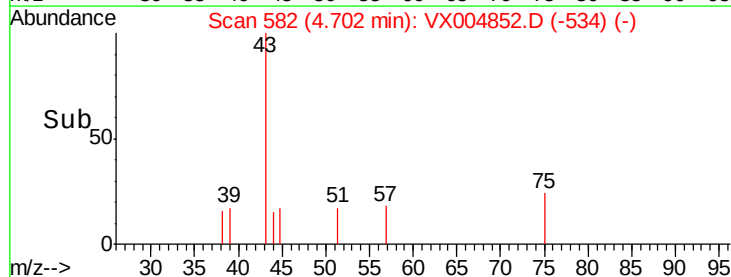
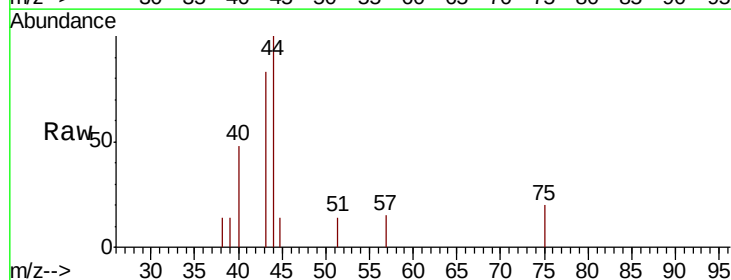
Acq: 29 Sep 2018 05:52

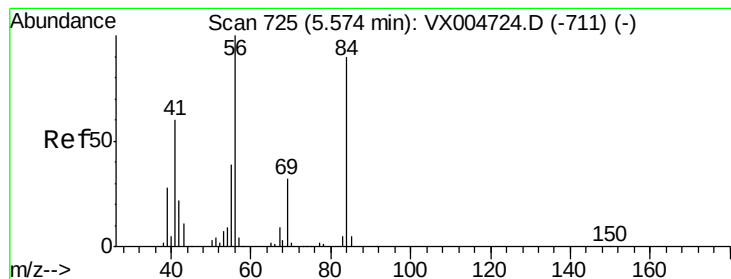
Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#





#31

Cyclohexane

Concen: 1.063 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004852.D

Acq: 29 Sep 2018 05:52

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-4953

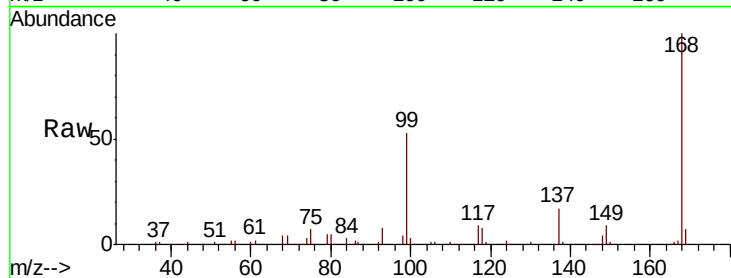
Tot Ion: 56 Resp: 4570

Ion Ratio Lower Upper

56 100

69 154.4 25.4 38.2#

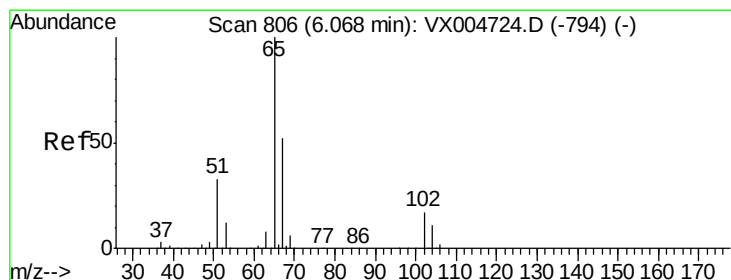
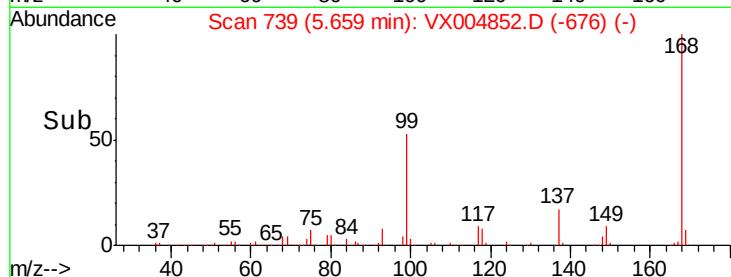
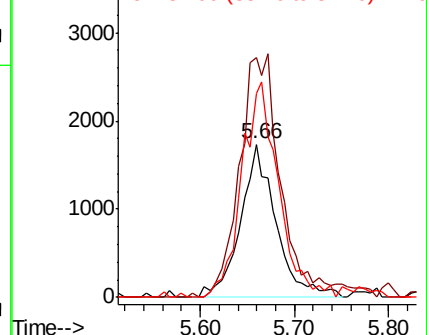
84 133.3 71.4 107.2#



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: 55.292 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004852.D

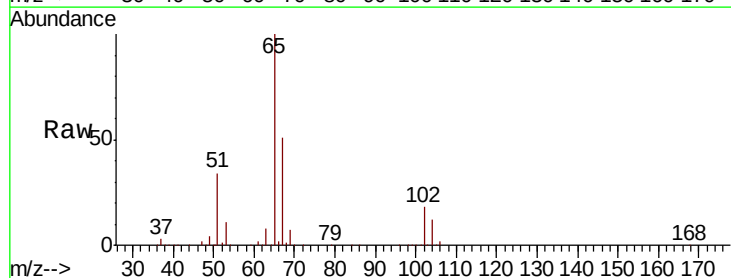
Acq: 29 Sep 2018 05:52

Tgt Ion: 65 Resp: 186862

Ion Ratio Lower Upper

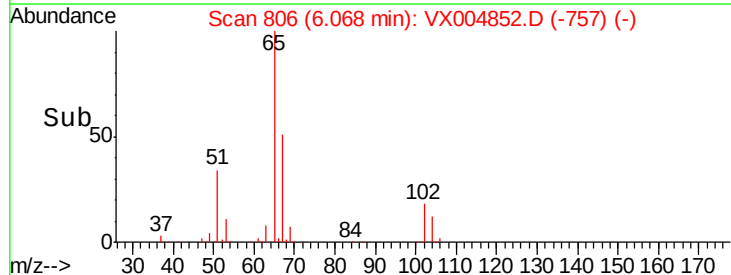
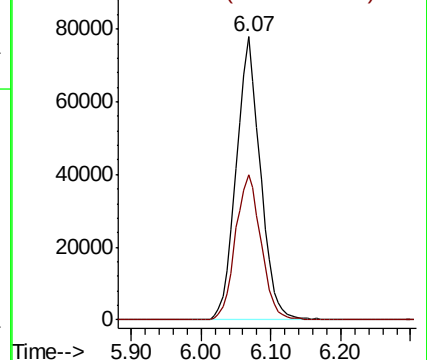
65 100

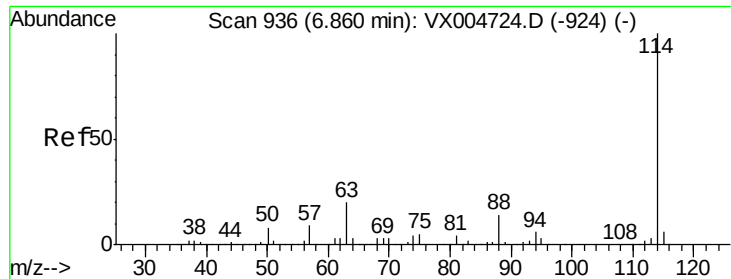
67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

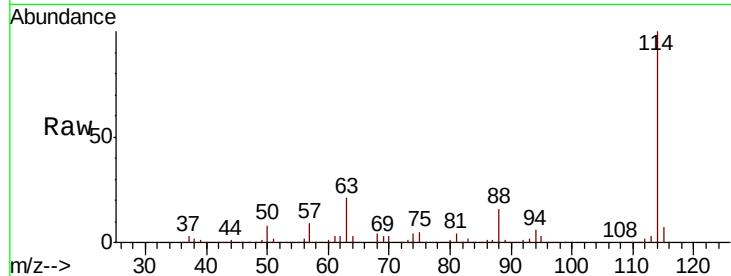




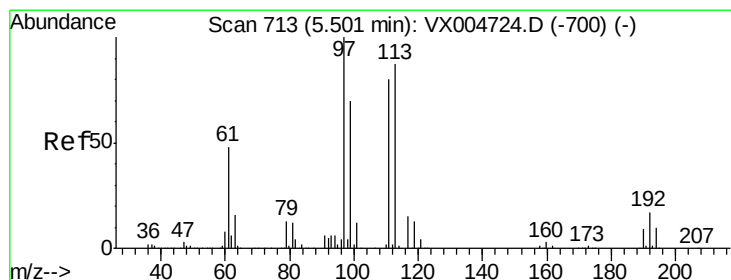
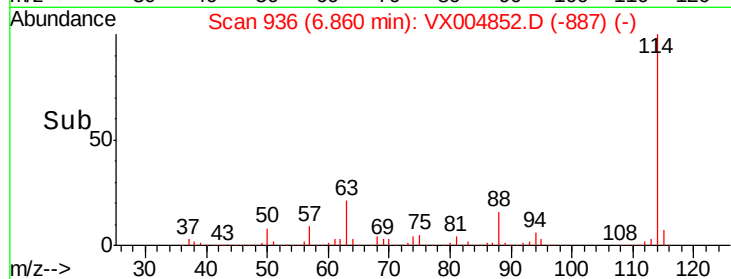
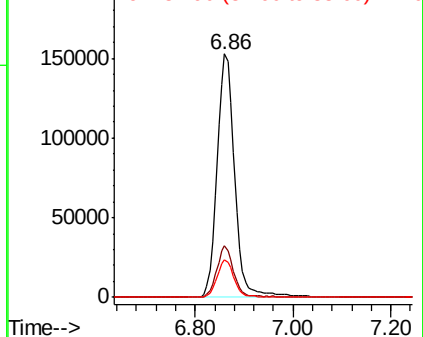
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

Instrument :
MSVOA_X
ClientSampleId :
SA-TW503-4953

Tot Ion:114 Resp: 382921
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.0
88 15.6 0.0 30.4

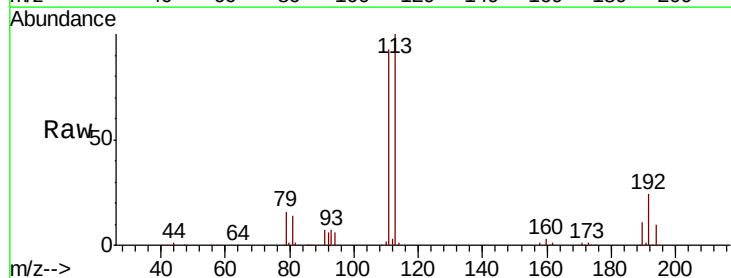


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

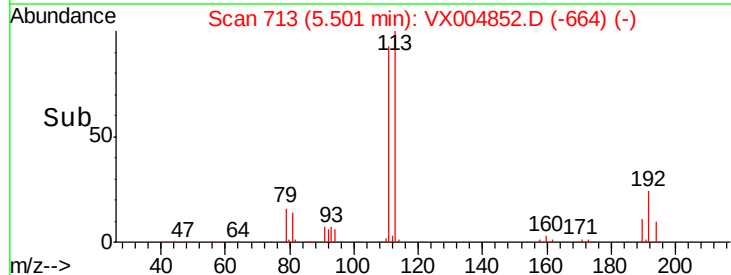
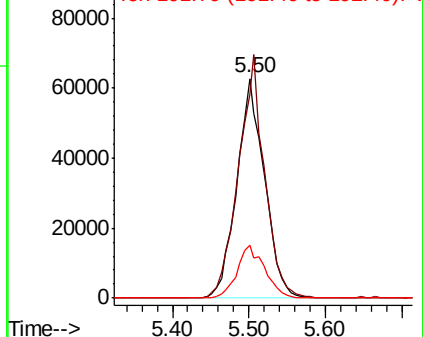


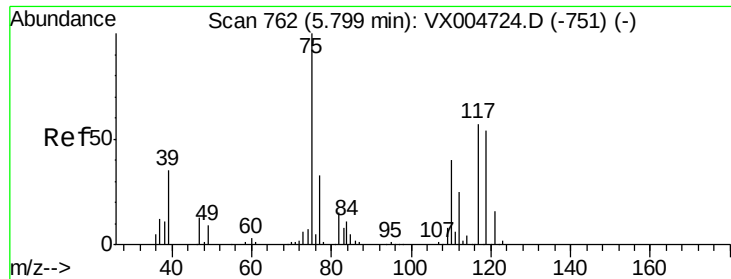
#35
Dibromofluoromethane
Concen: 48.632 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

Tgt Ion:113 Resp: 157826
Ion Ratio Lower Upper
113 100
111 104.4 82.4 123.6
192 24.1 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

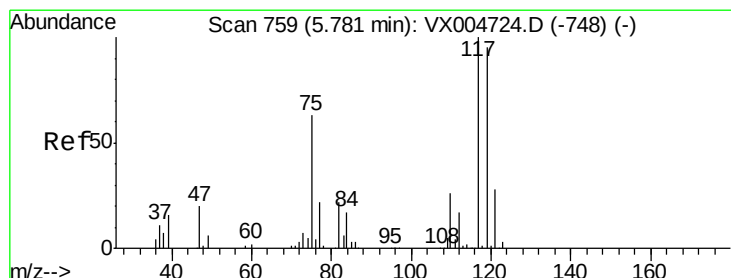
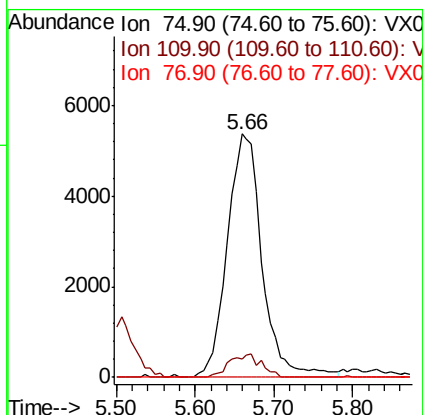
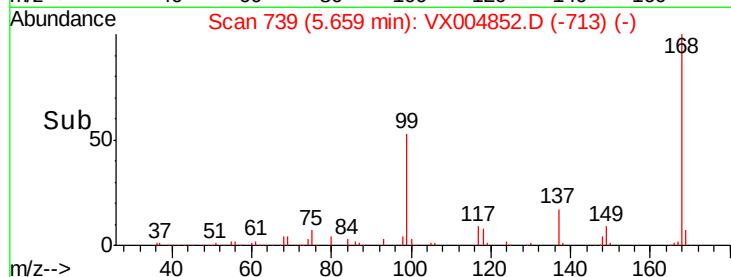
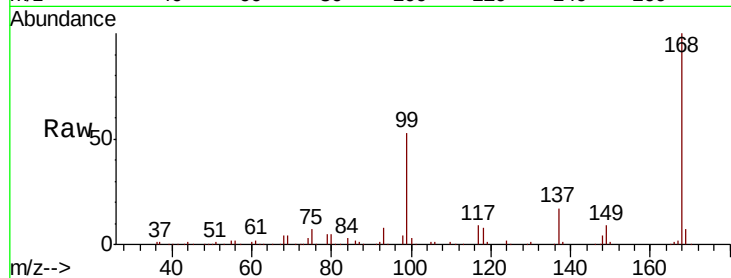




#36
 1,1-Dichloropropene
 Concen: 3.721 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004852.D
 Acq: 29 Sep 2018 05:52

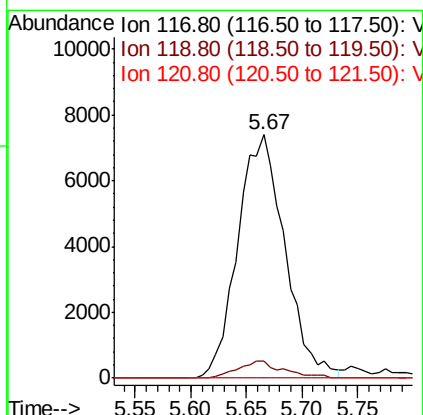
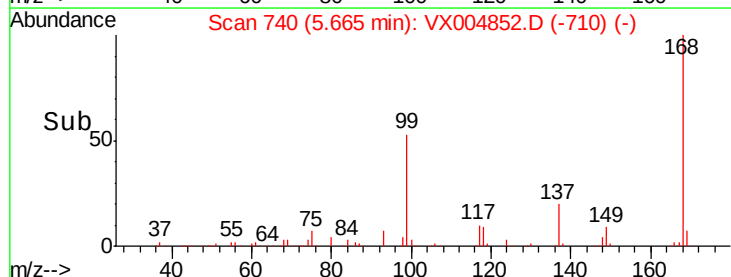
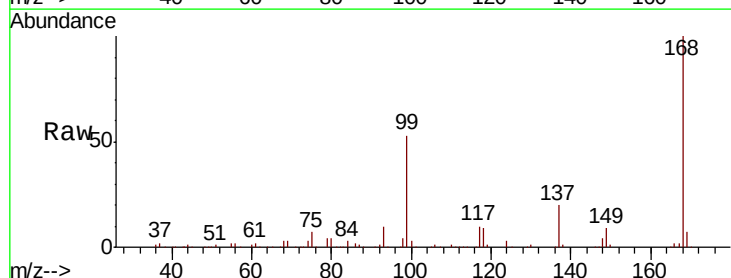
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW503-4953

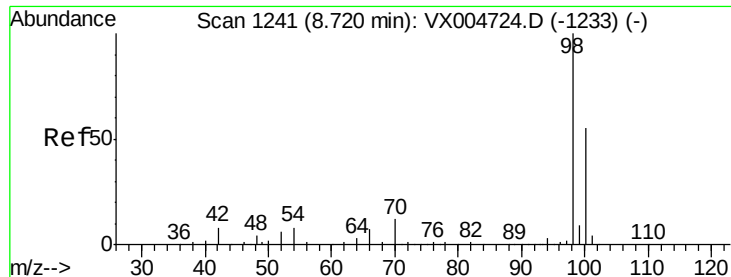
Tot Ion: 75 Resp: 16477
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.0 54.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.676 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004852.D
 Acq: 29 Sep 2018 05:52

Tgt Ion: 117 Resp: 21764
 Ion Ratio Lower Upper
 117 100
 119 6.8 78.8 118.2#
 121 0.0 24.9 37.3#

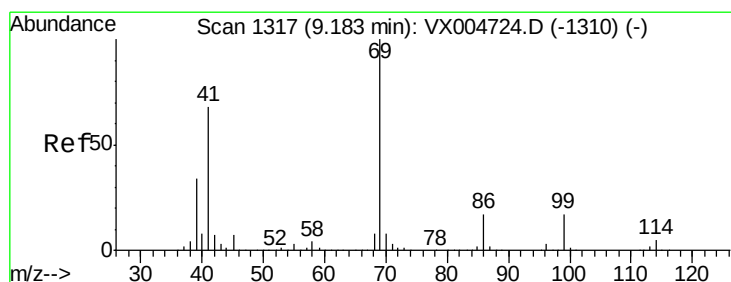
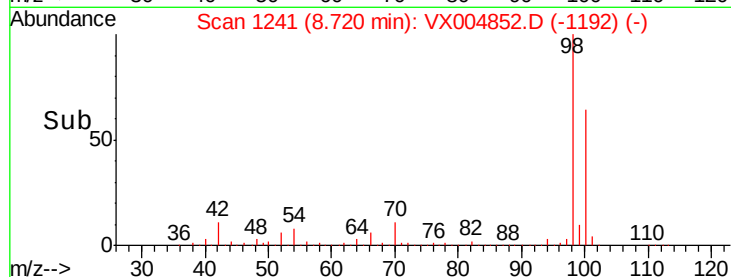
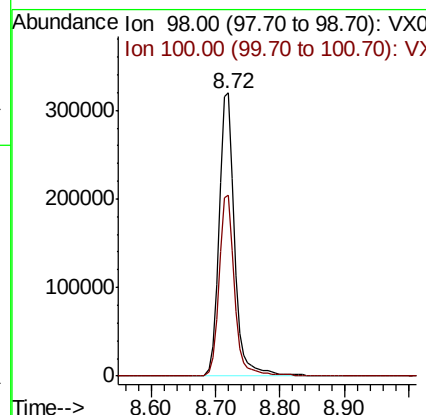
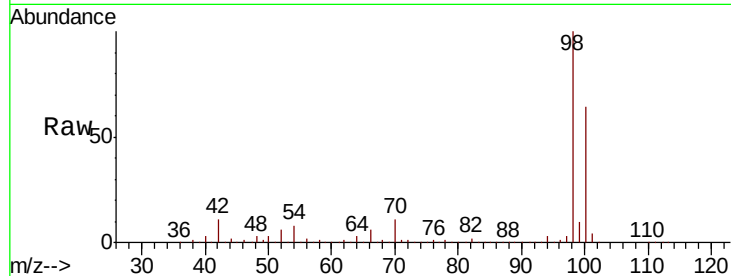




#50
Toluene-d8
Concen: 50.625 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

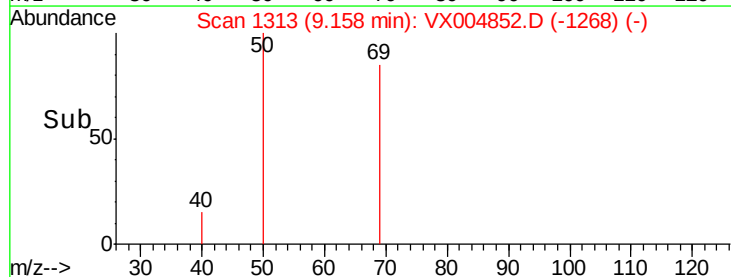
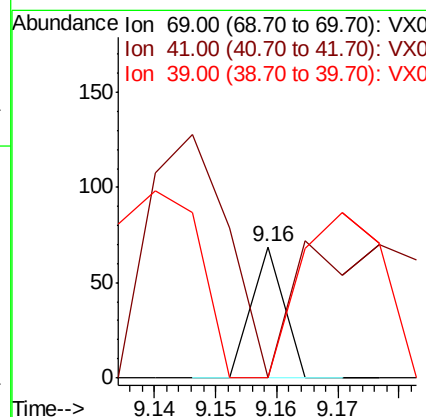
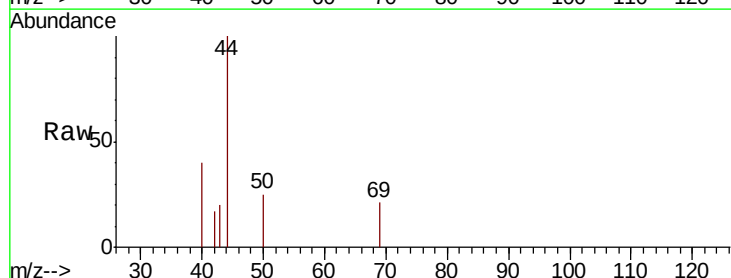
Instrument :
MSVOA_X
ClientSampleId :
SA-TW503-4953

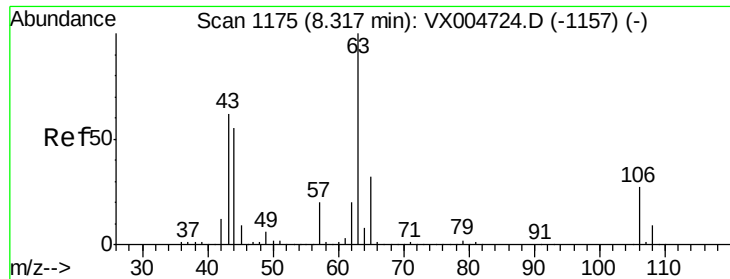
Tot Ion: 98 Resp: 546194
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 9.16 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

Tgt Ion: 69 Resp: 25
Ion Ratio Lower Upper
69 100
41 376.0 51.0 76.4#
39 332.0 26.1 39.1#

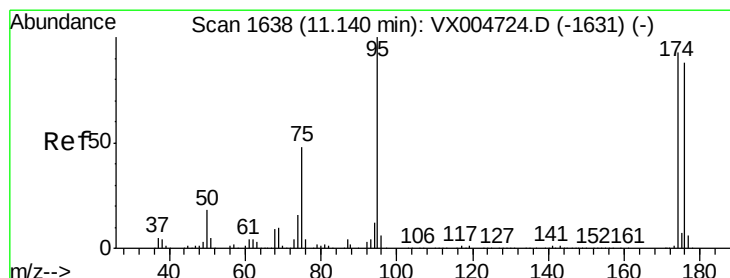
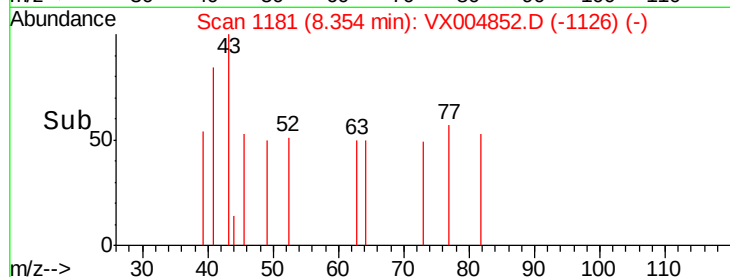
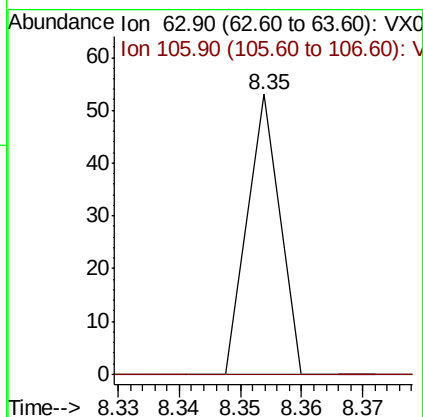
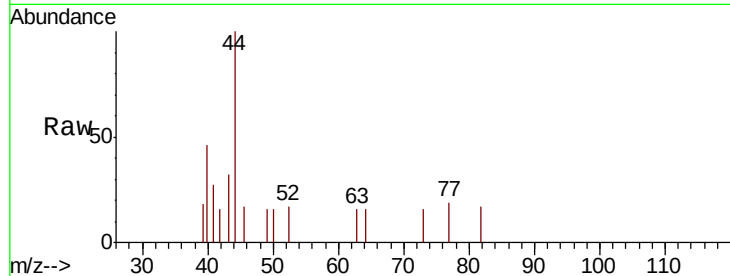




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.248 ug/l
 RT: 8.35 min Scan# 1181
 Delta R.T. 0.04 min
 Lab File: VX004852.D
 Acq: 29 Sep 2018 05:52

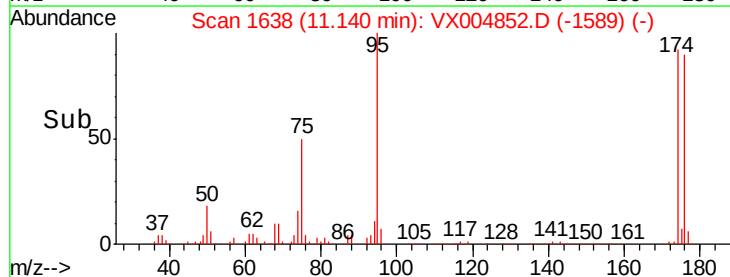
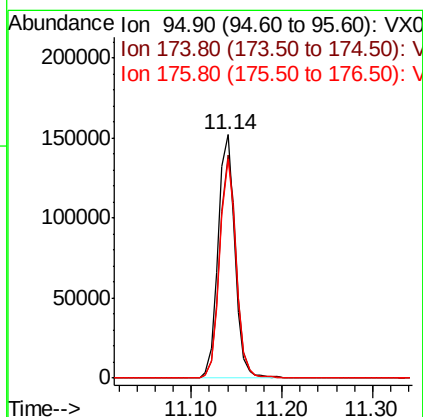
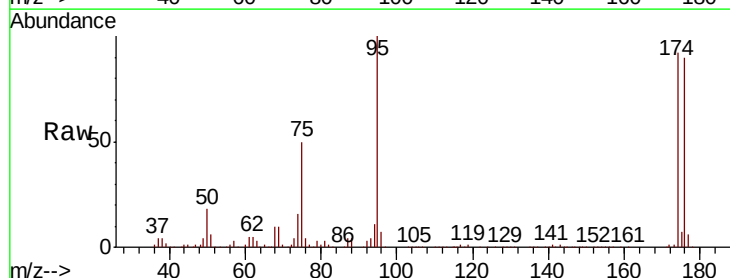
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW503-4953

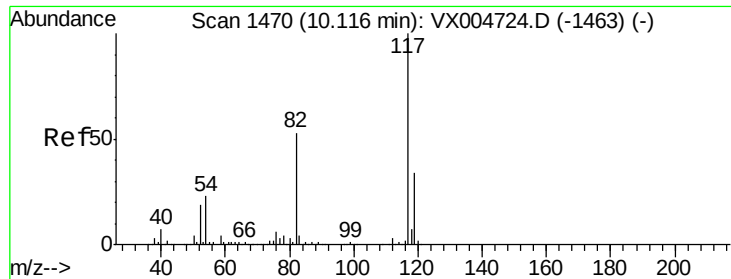
Tot Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 50.679 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004852.D
 Acq: 29 Sep 2018 05:52

Tgt Ion: 95 Resp: 196980
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 185.2
 176 88.5 0.0 178.6

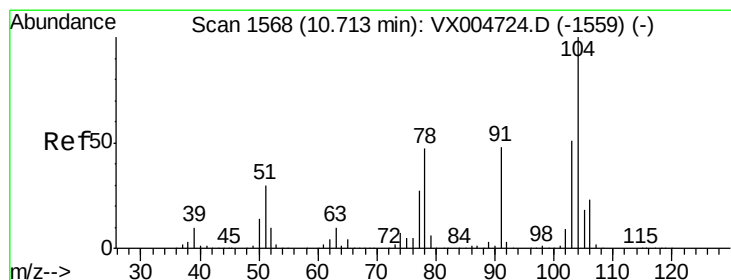
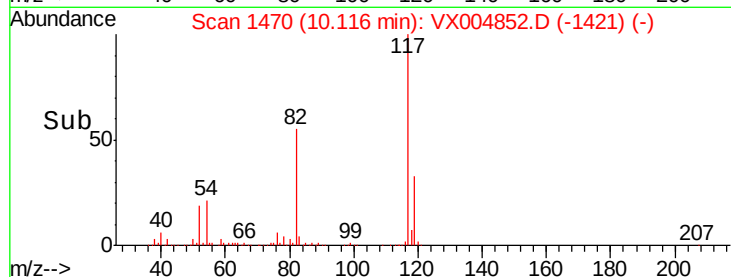
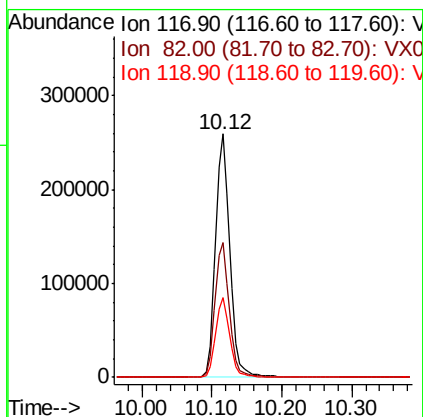
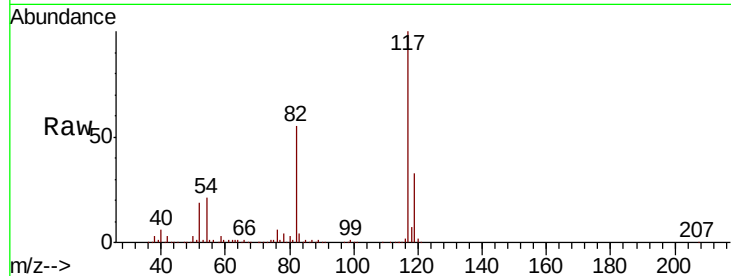




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

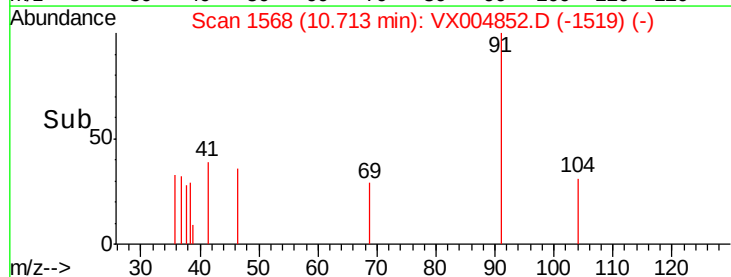
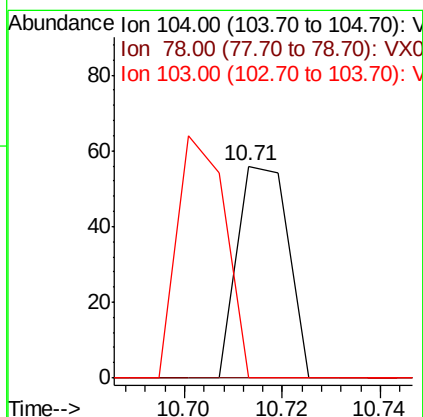
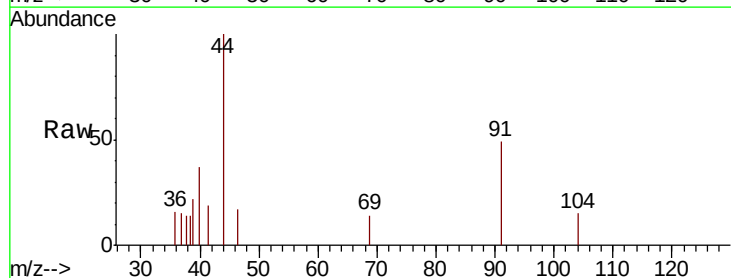
Instrument :
MSVOA_X
ClientSampleId :
SA-TW503-4953

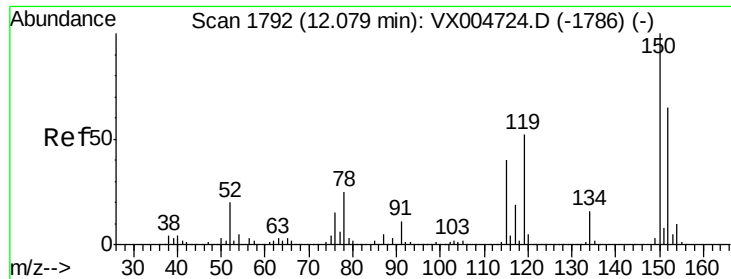
Tot Ion:117 Resp: 369118
Ion Ratio Lower Upper
117 100
82 55.2 47.8 71.6
119 32.9 29.3 43.9



#70
Styrene
Concen: 2.144 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

Tgt Ion:104 Resp: 40
Ion Ratio Lower Upper
104 100
78 0.0 37.4 56.0#
103 107.5 43.8 65.6#



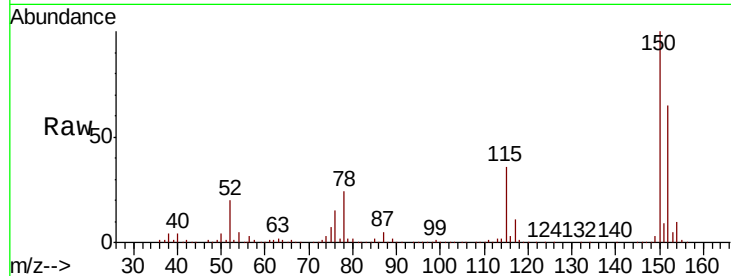


#72

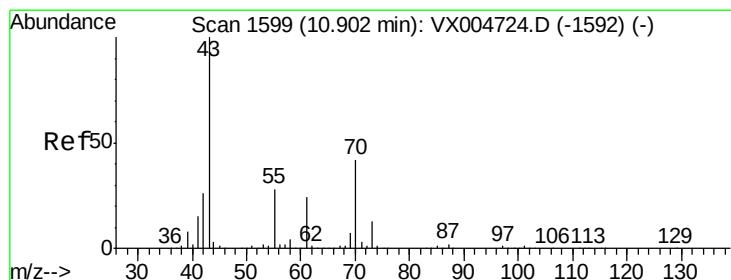
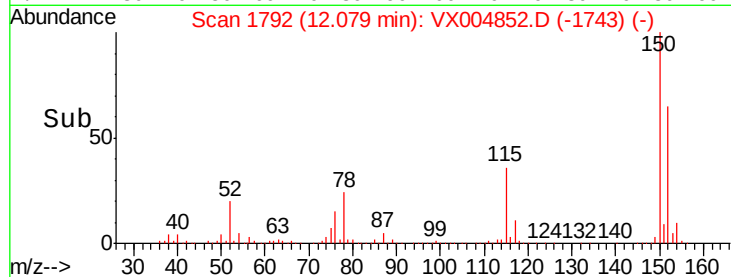
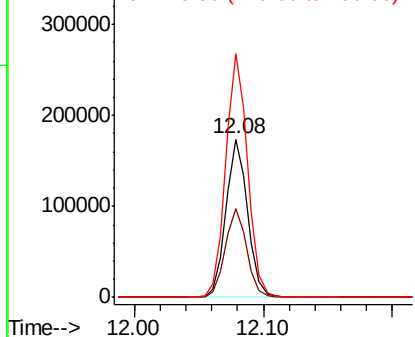
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

Instrument :
MSVOA_X
ClientSampled :
SA-TW503-4953

Tot Ion:152 Resp: 205531
Ion Ratio Lower Upper
152 100
115 56.0 39.0 117.0
150 156.0 0.0 351.0



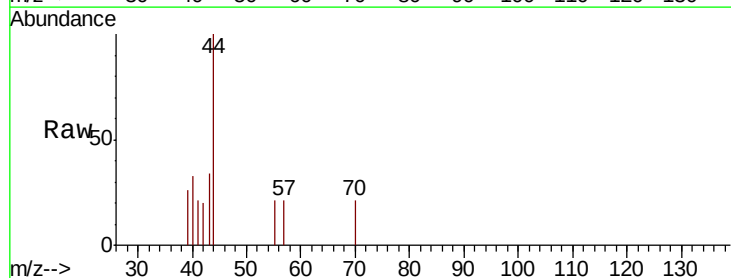
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



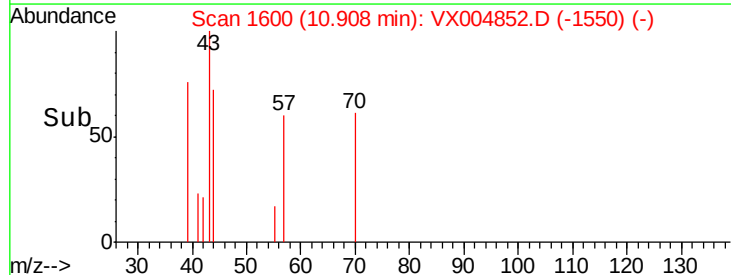
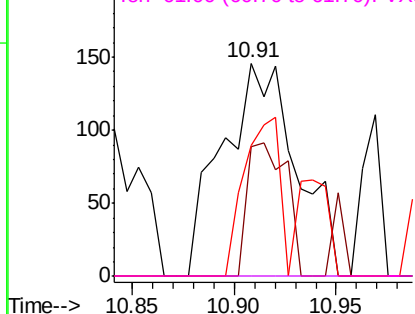
#74

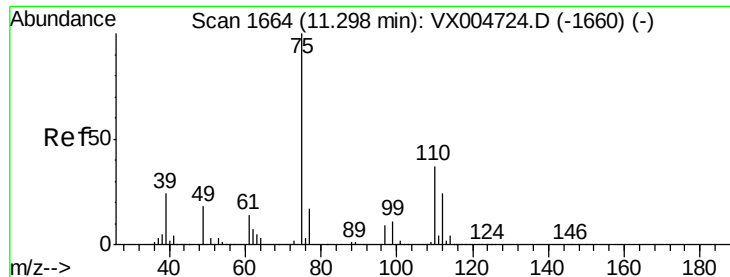
N-ethyl acetate
Concen: 1.798 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

Tgt Ion: 43 Resp: 371
Ion Ratio Lower Upper
43 100
70 32.6 37.4 56.0#
55 35.6 21.8 32.8#
61 0.0 20.6 30.8#



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

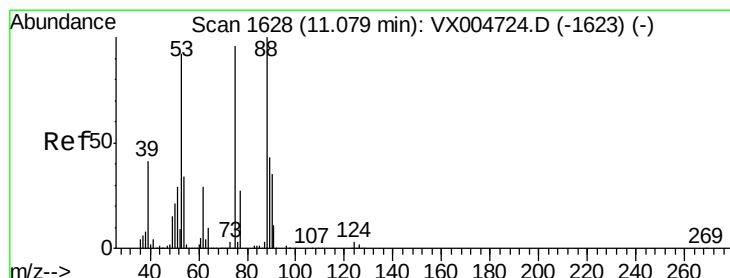
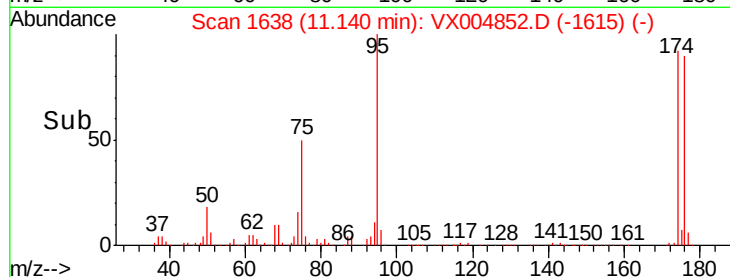
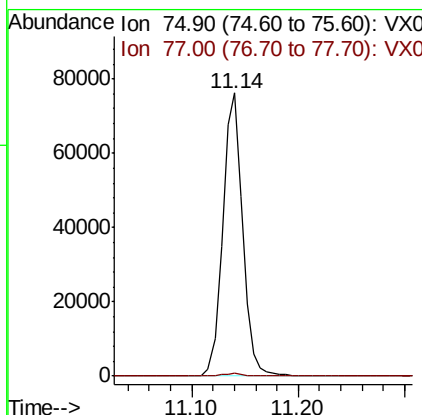
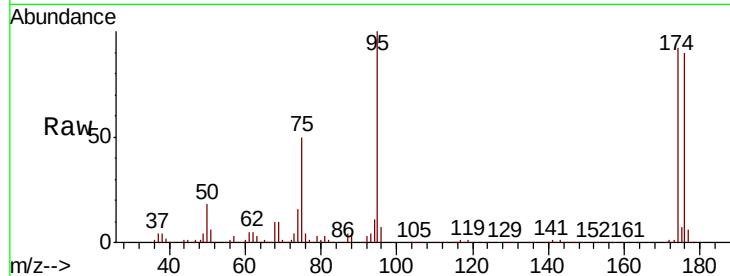




#76
 1,2,3-Trichloropropane
 Concen: 21.508 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004852.D
 Acq: 29 Sep 2018 05:52

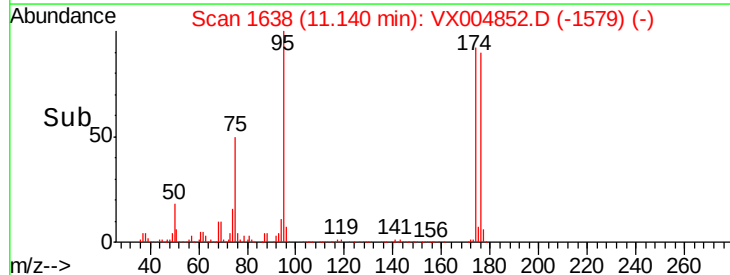
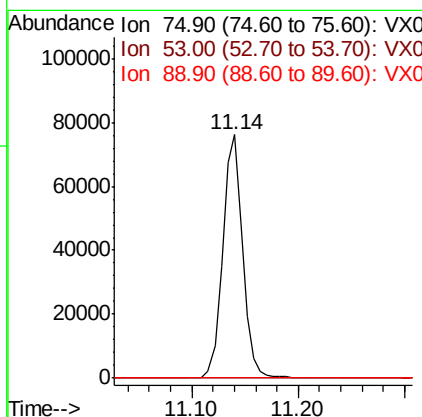
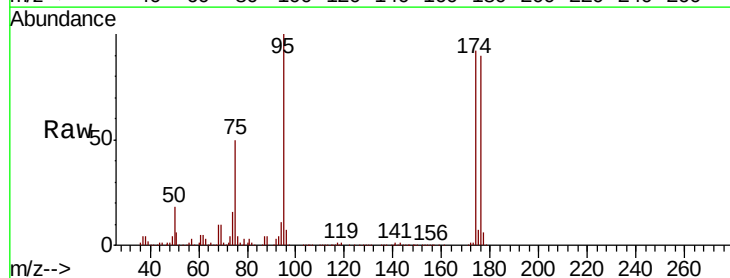
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW503-4953

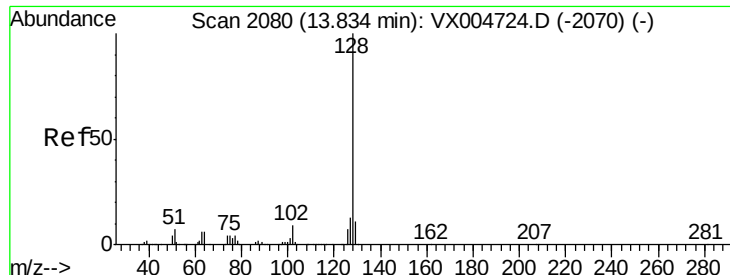
Tot Ion: 75 Resp: 99081
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.316 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004852.D
 Acq: 29 Sep 2018 05:52

Tgt Ion: 75 Resp: 99081
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

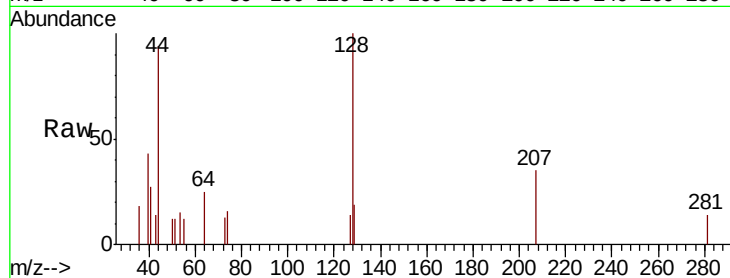




#95
Naphthalene
Concen: 0.750 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004852.D
Acq: 29 Sep 2018 05:52

Instrument :
MSVOA_X
ClientSampleId :
SA-TW503-4953

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.2	15.2
129	9.2	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

