

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005052.D
 Acq On : 05 Oct 2018 07:11
 Operator : JC/MD
 Sample : J5207-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 08:57:54 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

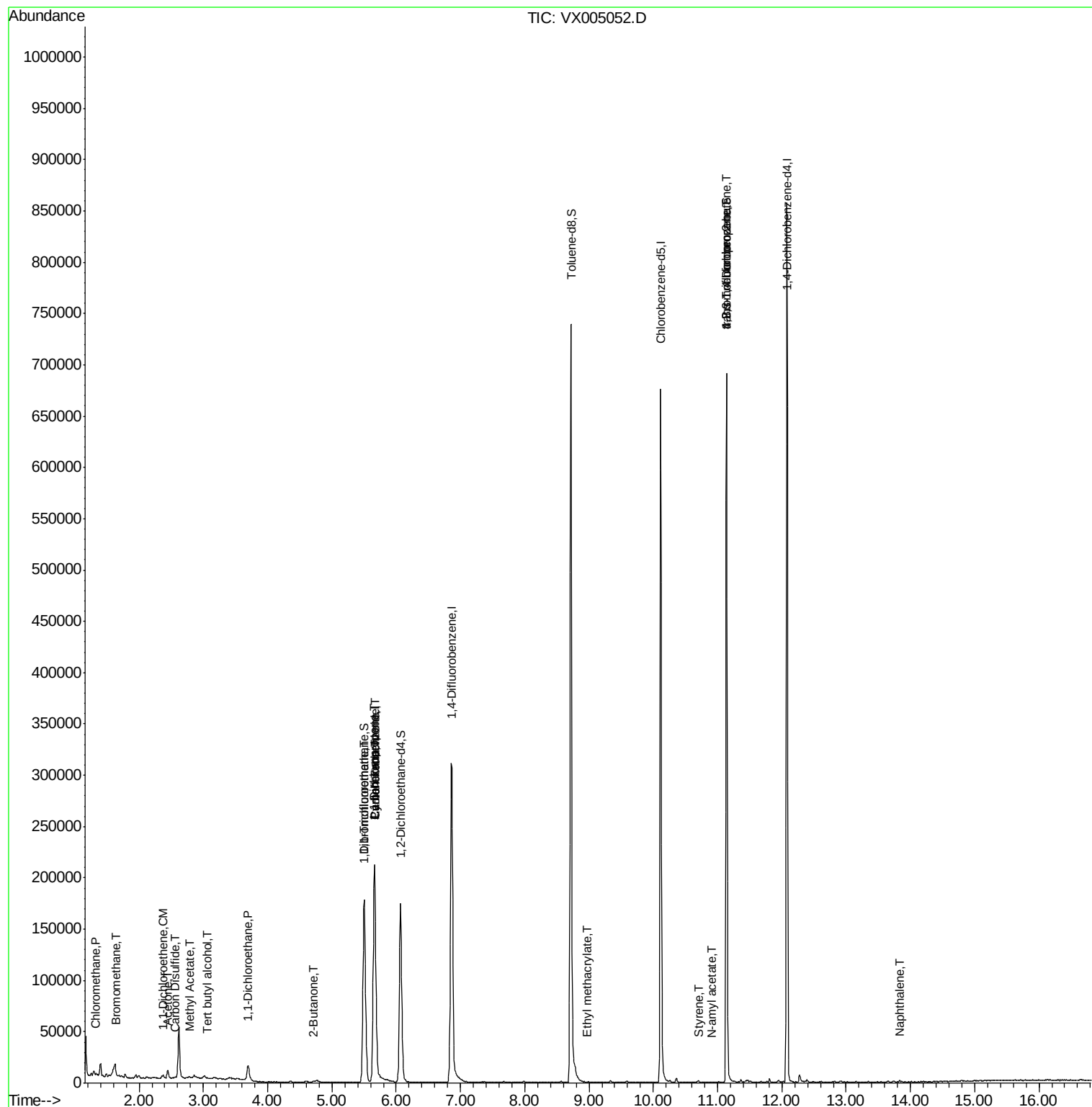
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	225401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	163206	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	5.50	113	146830	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	8.72	98	484305	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.14	95	170866	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	1030	0.276	ug/l #	72
5) Bromomethane	1.64	94	733	0.353	ug/l #	70
6) Chloroethane	1.72	64	856	Below Cal	#	71
11) Tert butyl alcohol	3.07	59	441	0.490	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	879	0.360	ug/l #	78
16) Acetone	2.45	43	7649	4.069	ug/l	99
17) Carbon Disulfide	2.57	76	1607	0.219	ug/l #	92
18) Methyl Acetate	2.78	43	1039	0.218	ug/l #	85
20) Methylene Chloride	2.86	84	992	Below Cal	#	87
24) 1,1-Dichloroethane	3.70	63	15225	2.844	ug/l	98
25) 2-Butanone	4.71	43	1360	0.491	ug/l #	76
31) Cyclohexane	5.66	56	4015	0.980	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	1695	0.410	ug/l #	20
36) 1,1-Dichloropropene	5.65	75	15767	4.138	ug/l #	38
38) Carbon Tetrachloride	5.67	117	20419	5.098	ug/l #	18
56) Ethyl methacrylate	8.98	69	41	2.870	ug/l #	1
70) Styrene	10.72	104	90	2.150	ug/l #	1
74) N-amyl acetate	10.90	43	273	1.791	ug/l #	64
76) 1,2,3-Trichloropropane	11.14	75	84524	21.309	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	480	Below Cal		89
81) trans-1,4-Dichloro-2-buten	11.14	75	84524	57.794	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1409	Below Cal		94
95) Naphthalene	13.83	128	1020	0.788	ug/l #	91

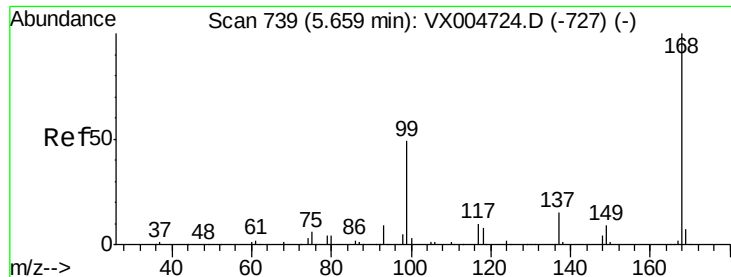
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

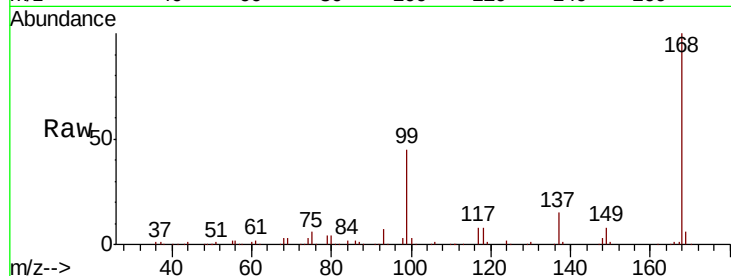
ClientSampleId :

Tot Ion:168 Resp: 225401

Ion Ratio Lower Upper

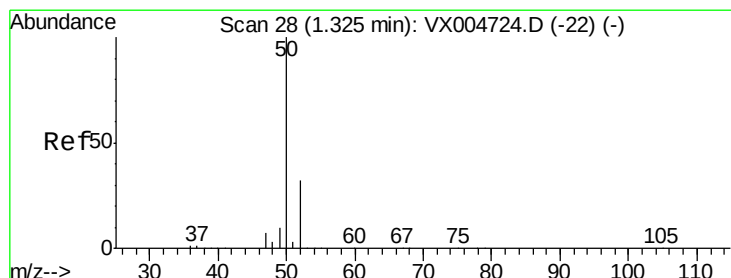
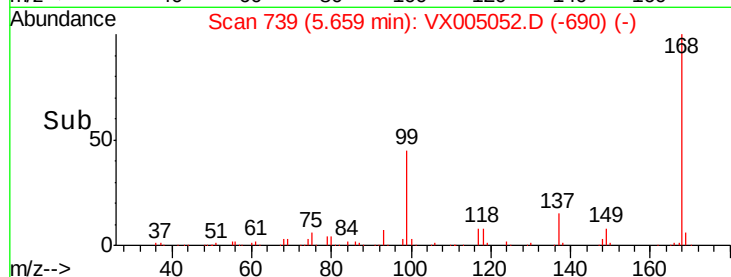
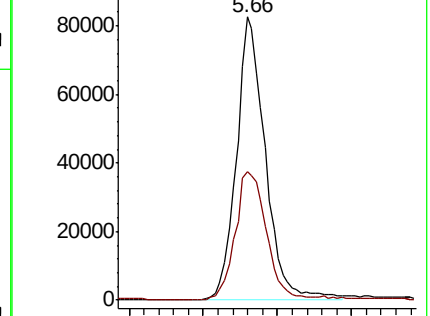
168 100

99 45.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005052.D

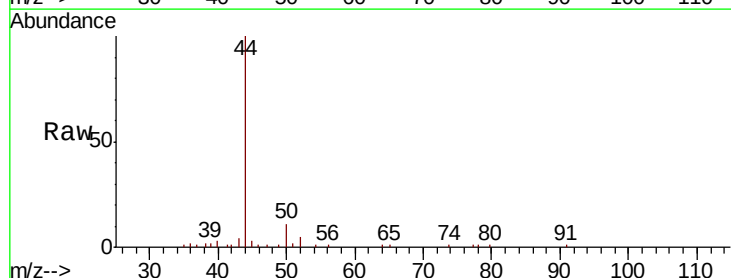
Acq: 05 Oct 2018 07:11

Tgt Ion: 50 Resp: 1030

Ion Ratio Lower Upper

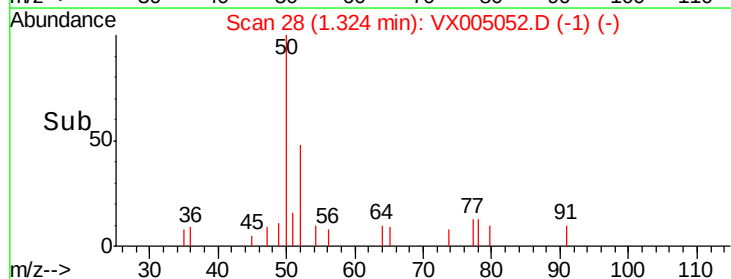
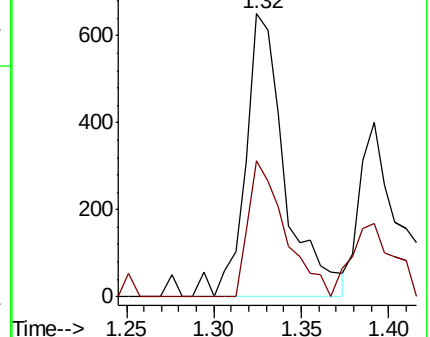
50 100

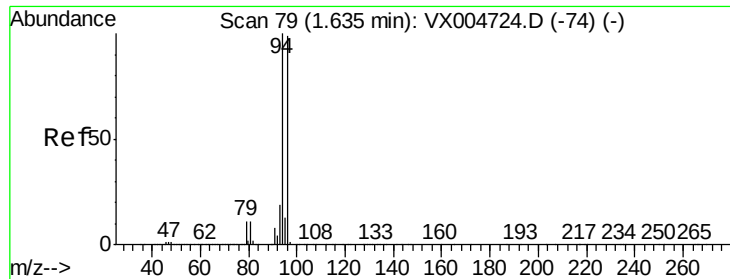
52 48.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.353 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

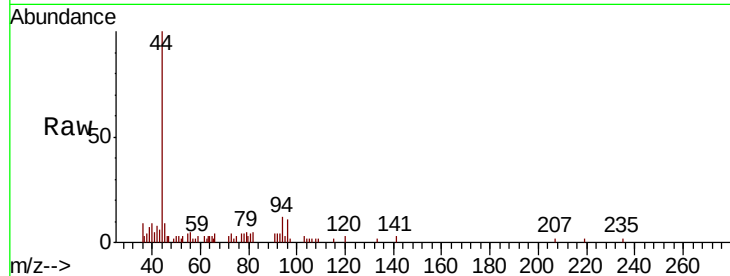
ClientSampleId :

Tot Ion: 94 Resp: 733

Ion Ratio Lower Upper

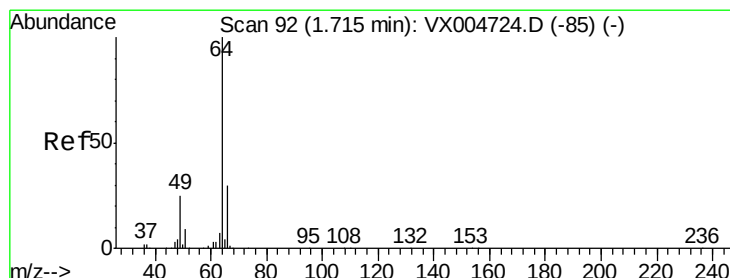
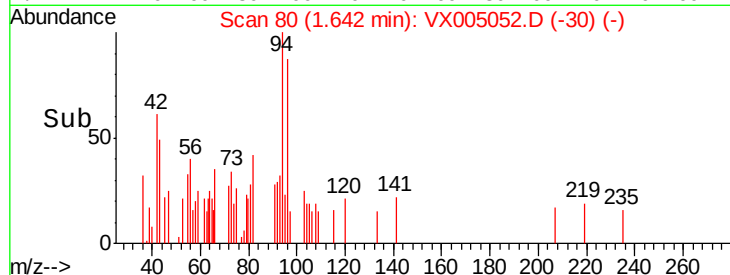
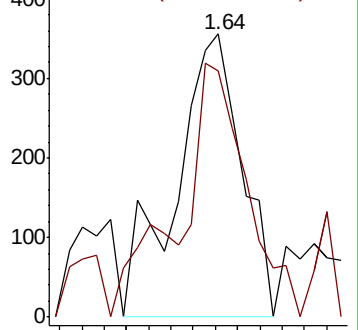
94 100

96 69.9 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005052.D

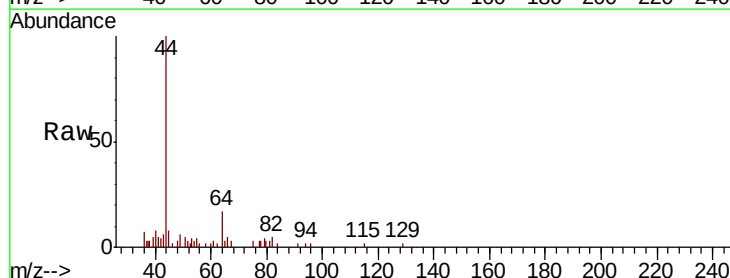
Acq: 05 Oct 2018 07:11

Tgt Ion: 64 Resp: 856

Ion Ratio Lower Upper

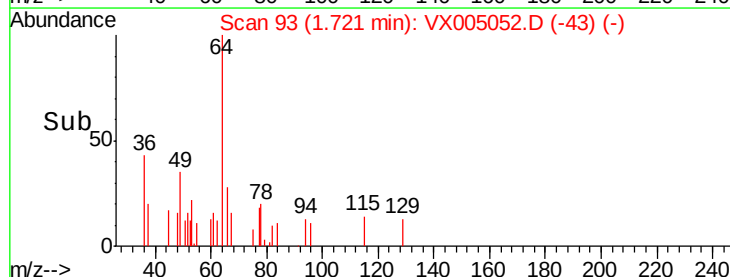
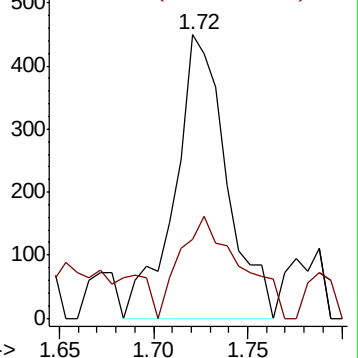
64 100

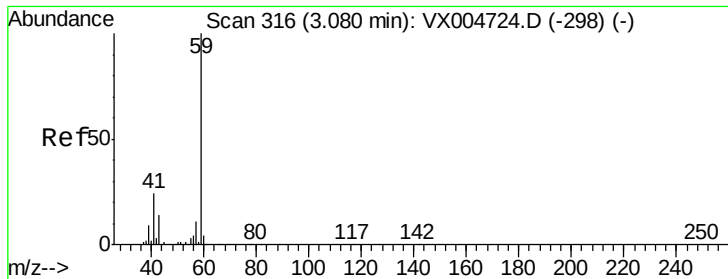
66 14.3 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



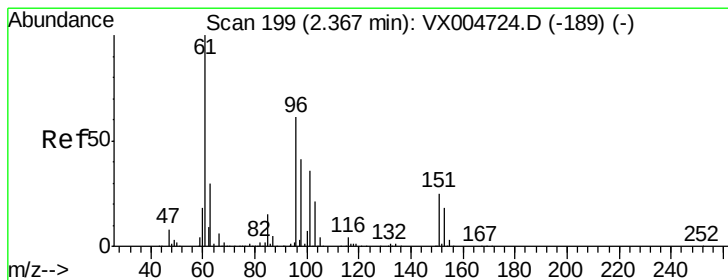
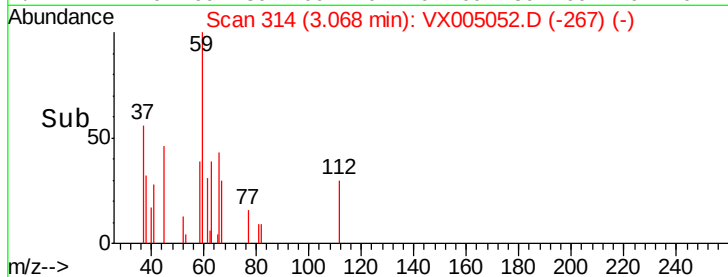
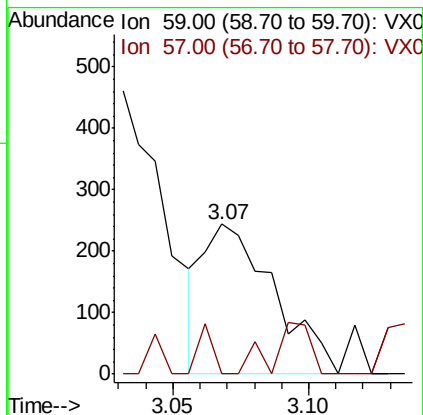
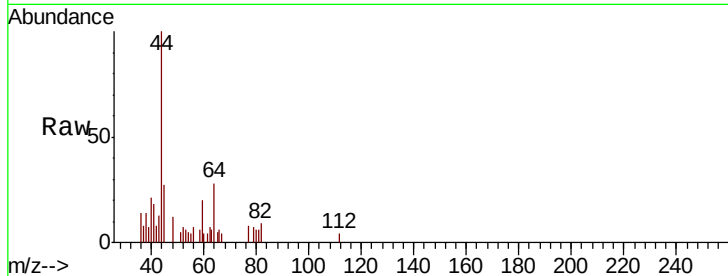


#11

Tert butyl alcohol
Concen: 0.490 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Instrument :
MSVOA_X
ClientSampled :

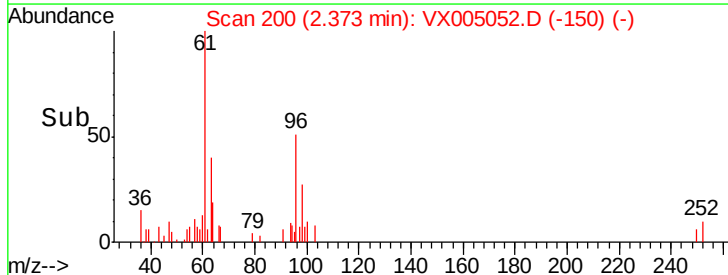
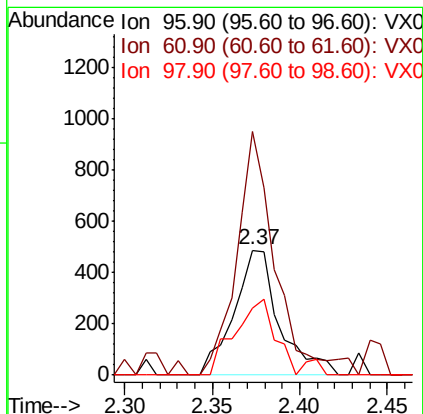
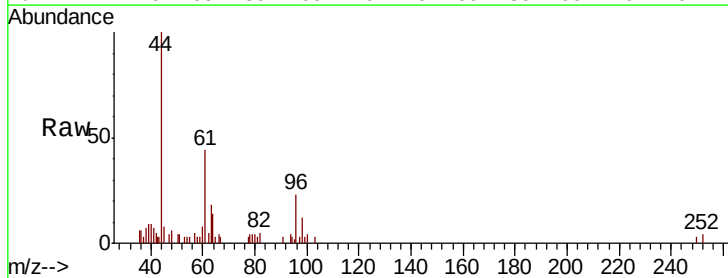
Tot Ion: 59 Resp: 441
Ion Ratio Lower Upper
59 100
57 6.8 8.6 12.8#

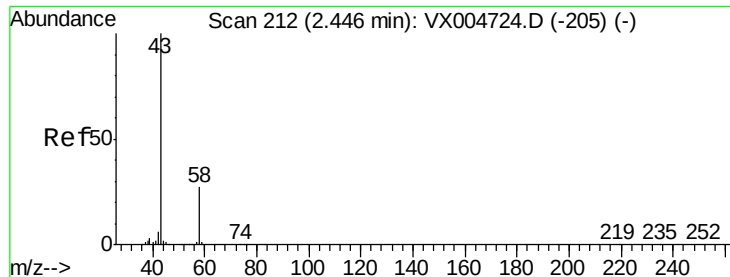


#12

1,1-Dichloroethene
Concen: 0.360 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Tgt Ion: 96 Resp: 879
Ion Ratio Lower Upper
96 100
61 194.9 130.2 195.4
98 53.3 53.4 80.0#





#16

Acetone

Concen: 4.069 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

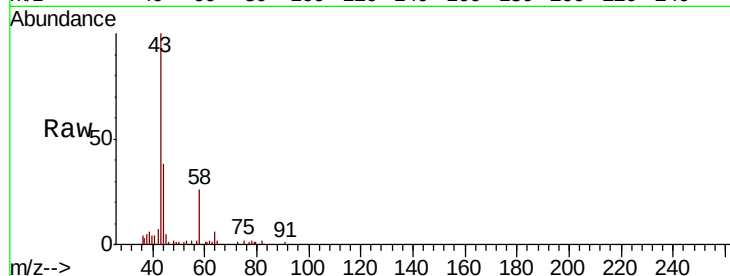
ClientSampleId :

Tot Ion: 43 Resp: 7649

Ion Ratio Lower Upper

43 100

58 26.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

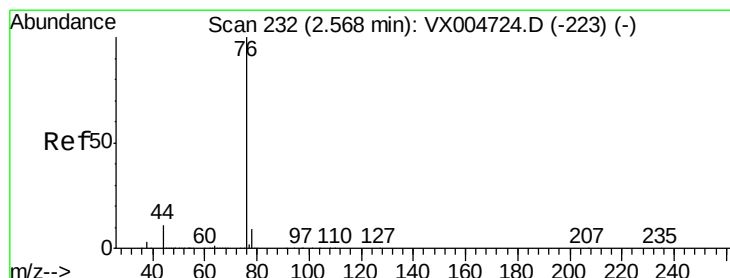
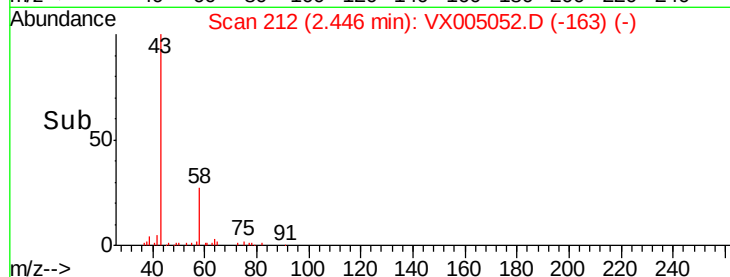
2000

1000

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005052.D

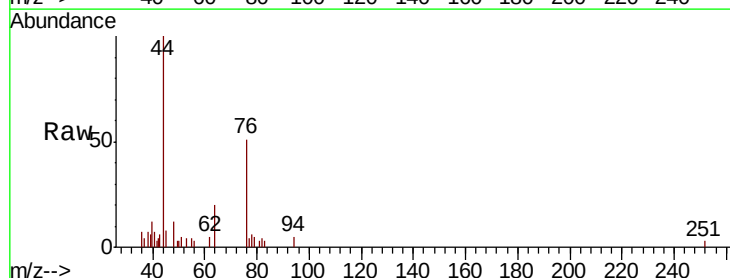
Acq: 05 Oct 2018 07:11

Tgt Ion: 76 Resp: 1607

Ion Ratio Lower Upper

76 100

78 6.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1000

800

600

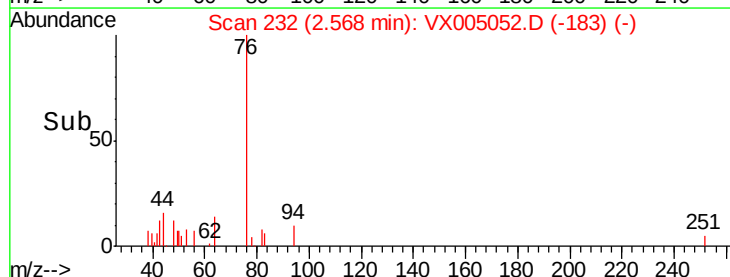
400

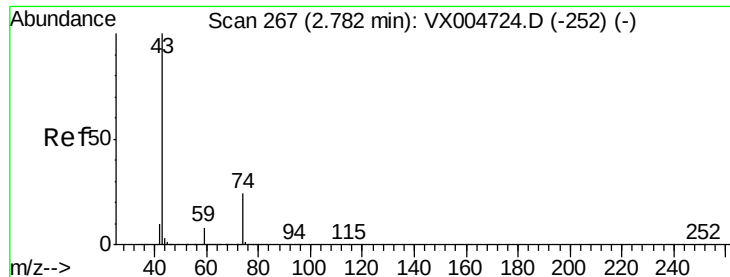
200

0

2.50 2.55 2.60 2.65

Time-->

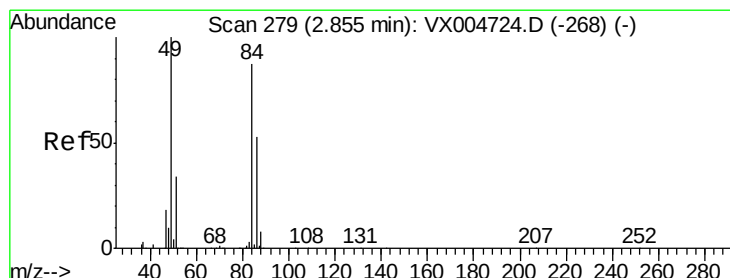
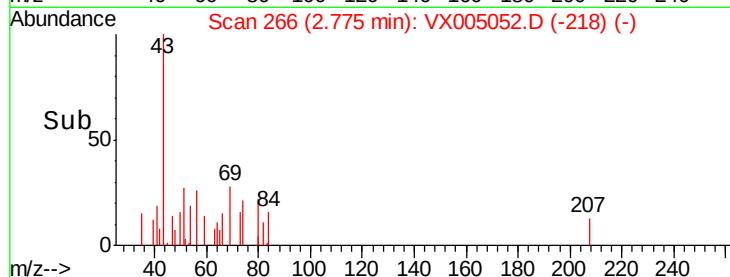
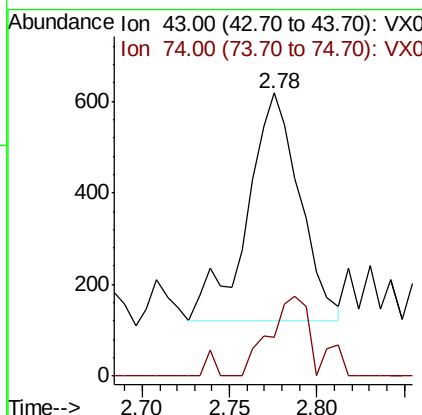
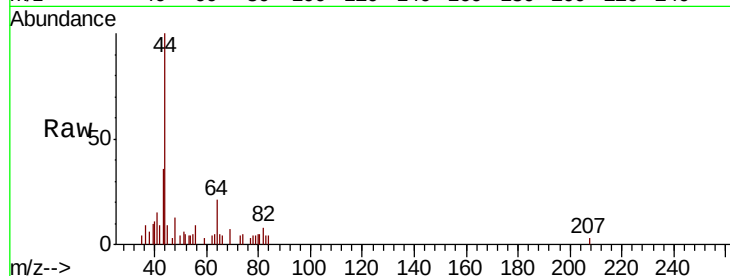




#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

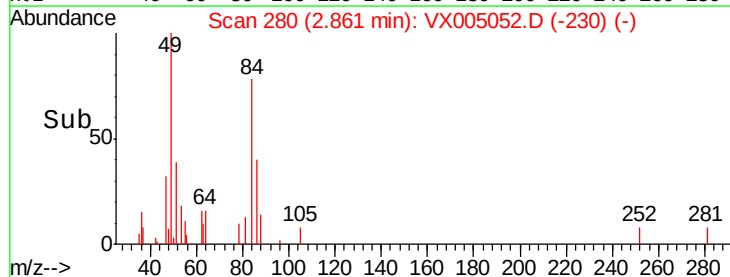
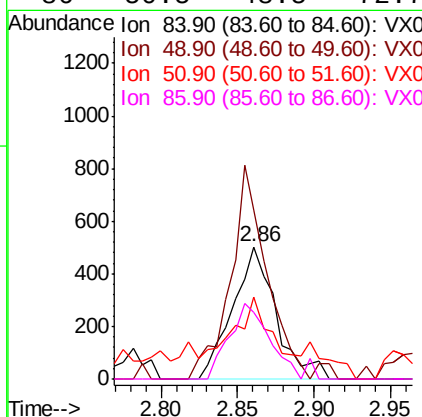
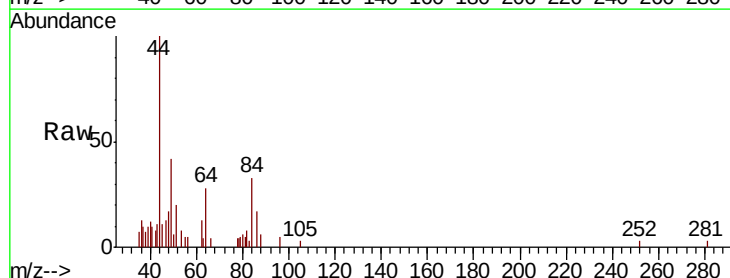
Instrument :
MSVOA_X
ClientSampleId :

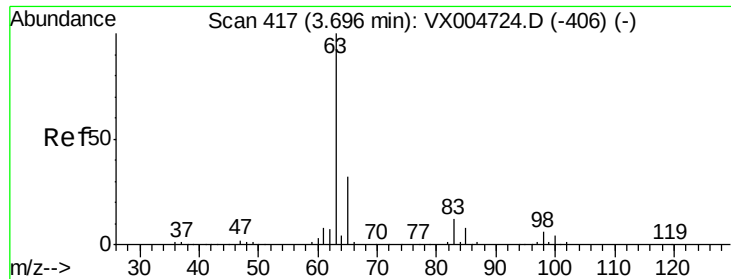
Tot Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
74 29.6 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Tgt Ion: 84 Resp: 992
Ion Ratio Lower Upper
84 100
49 127.6 92.3 138.5
51 49.3 31.8 47.6#
86 50.5 48.5 72.7





#24

1,1-Dichloroethane

Concen: 2.844 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

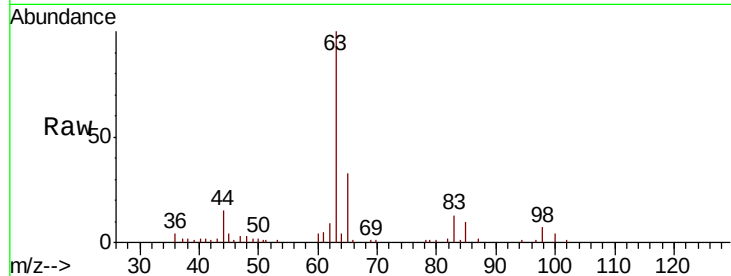
Tot Ion: 63 Resp: 15225

Ion Ratio Lower Upper

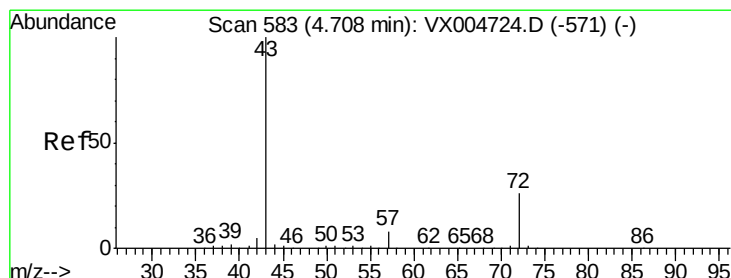
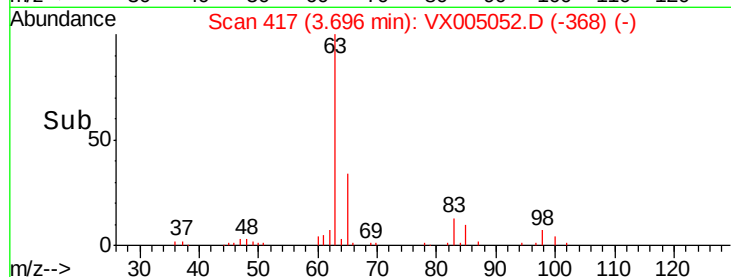
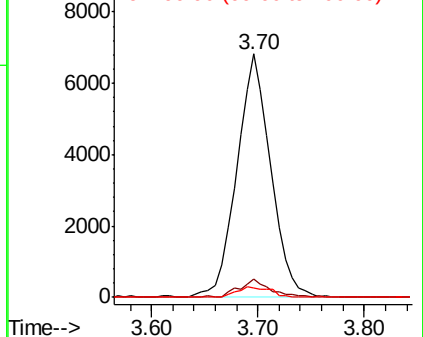
63 100

98 7.4 3.0 9.2

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.491 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005052.D

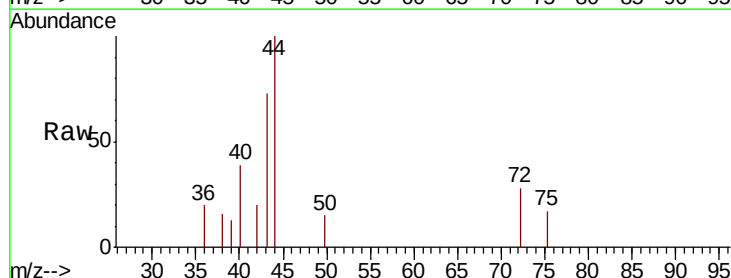
Acq: 05 Oct 2018 07:11

Tgt Ion: 43 Resp: 1360

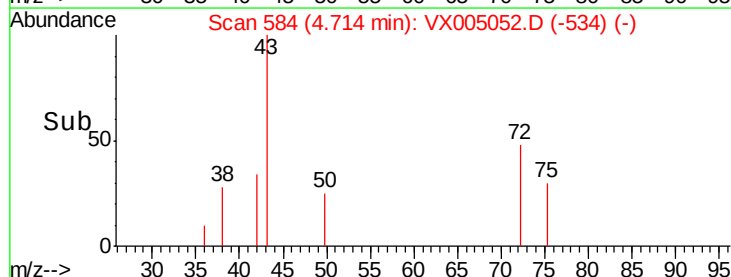
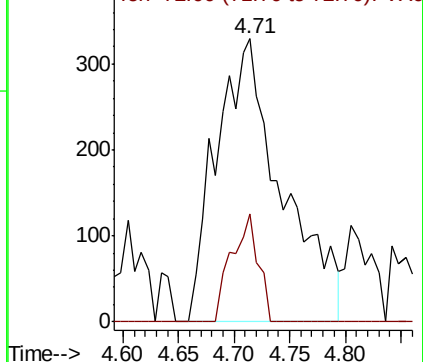
Ion Ratio Lower Upper

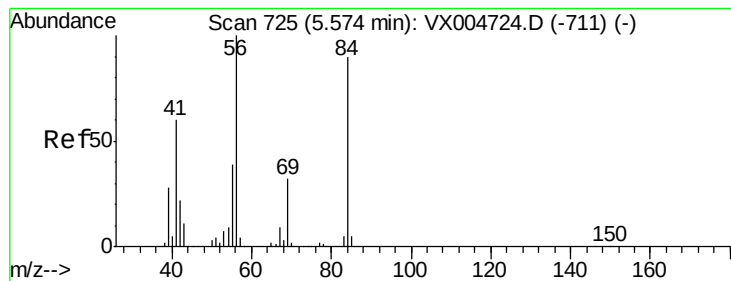
43 100

72 38.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 0.980 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

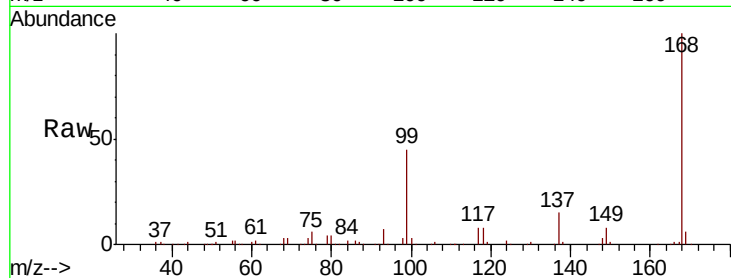
Tot Ion: 56 Resp: 4015

Ion Ratio Lower Upper

56 100

69 183.3 25.9 38.9#

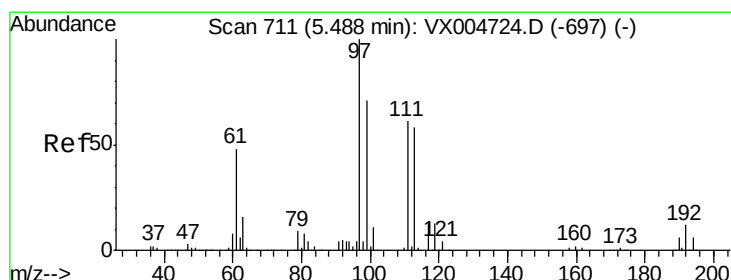
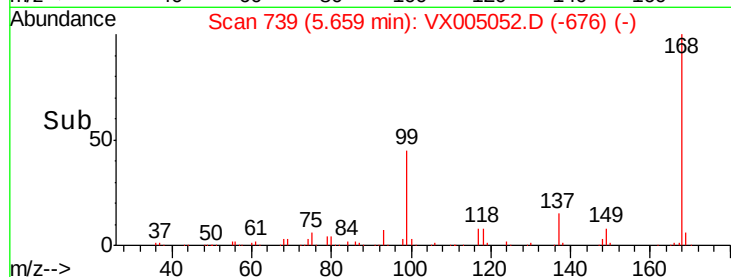
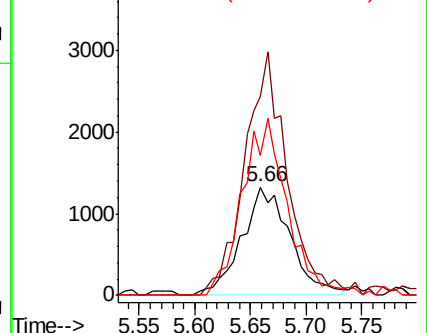
84 129.1 71.9 107.9#



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: 0.410 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

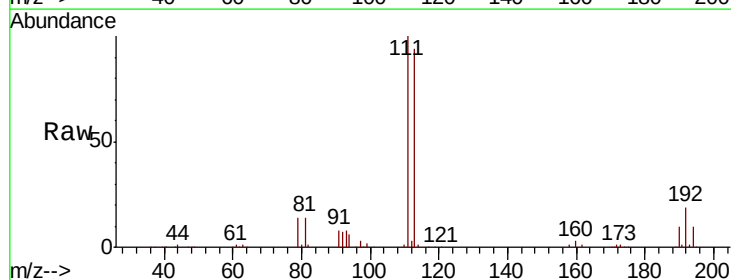
Tgt Ion: 97 Resp: 1695

Ion Ratio Lower Upper

97 100

99 0.0 54.6 82.0#

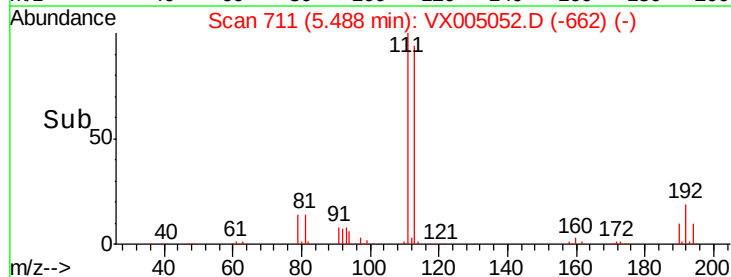
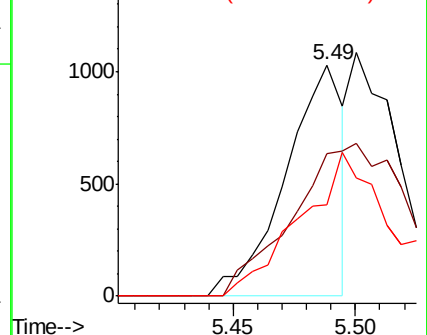
61 95.5 37.5 56.3#

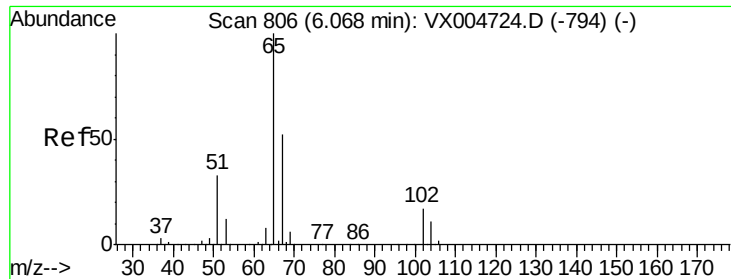


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

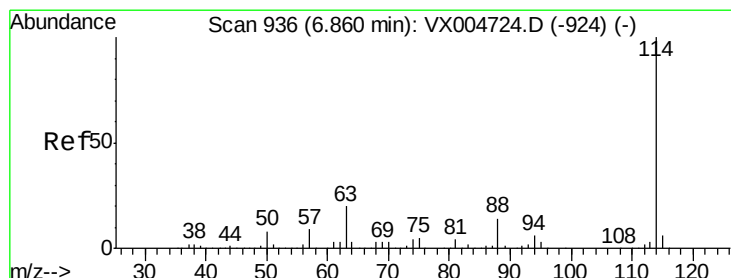
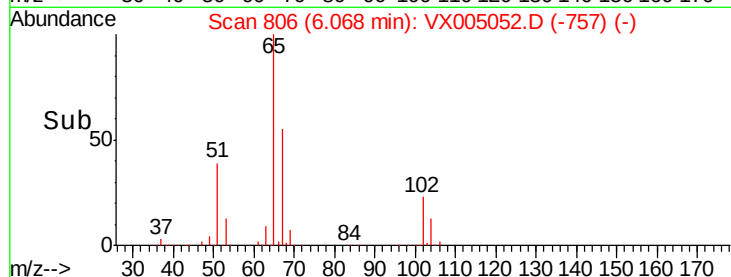
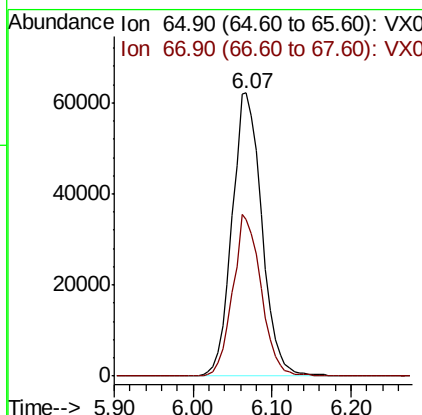
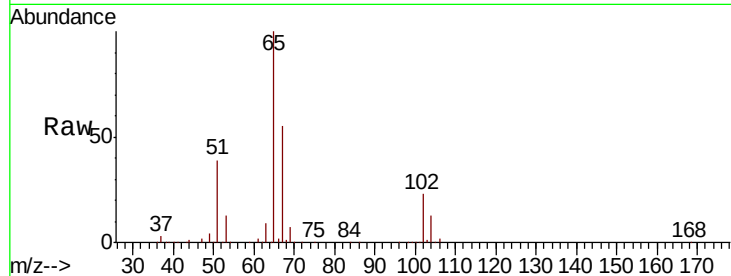




#33
 1,2-Dichloroethane-d4
 Concen: 50.687 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

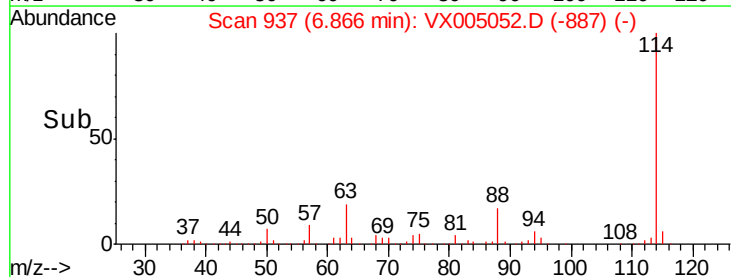
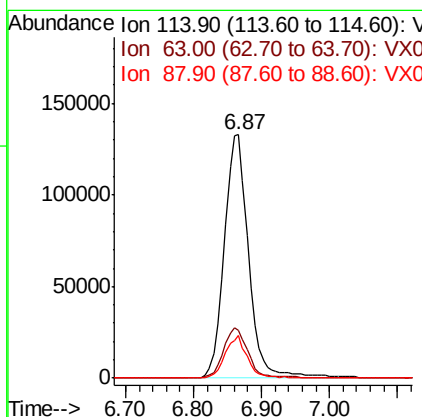
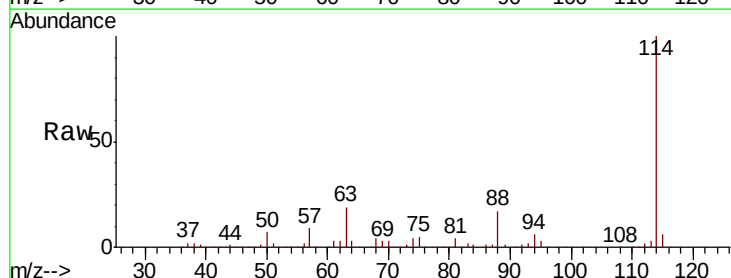
Instrument :
 MSVOA_X
 ClientSampleId :

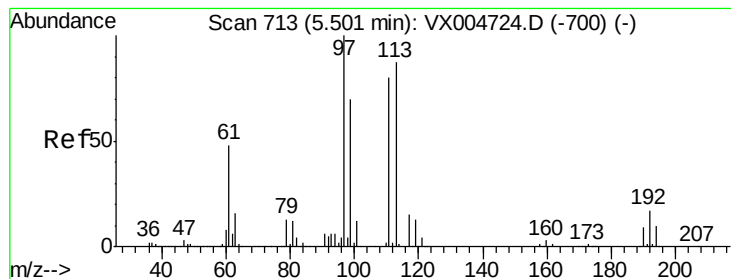
Tot Ion: 65 Resp: 163206
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

Tgt Ion: 114 Resp: 329521
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 17.3 0.0 27.0





#35

Dibromofluoromethane

Concen: 52.576 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

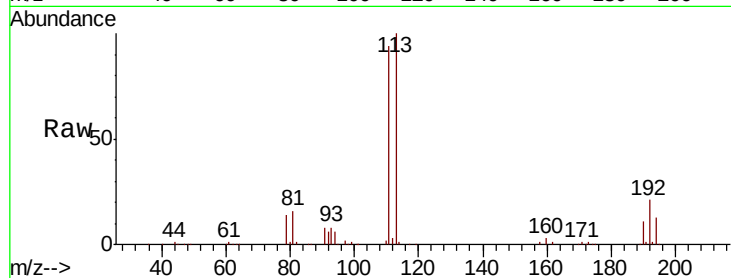
Tot Ion:113 Resp: 146830

Ion Ratio Lower Upper

113 100

111 104.6 77.0 115.4

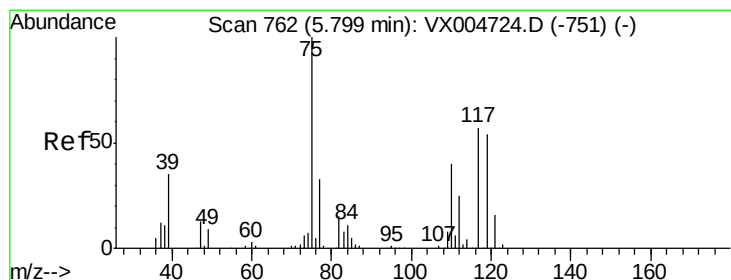
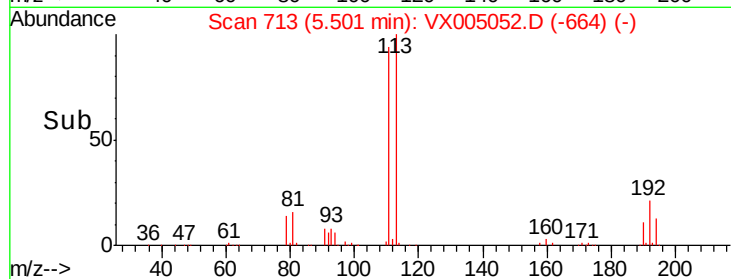
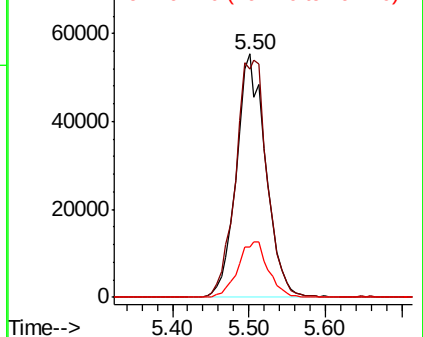
192 23.4 17.0 25.6



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: 4.138 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

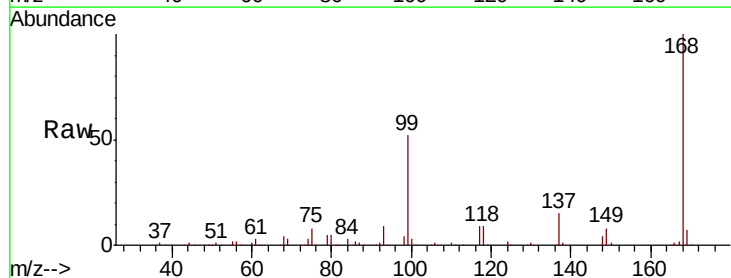
Tgt Ion: 75 Resp: 15767

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

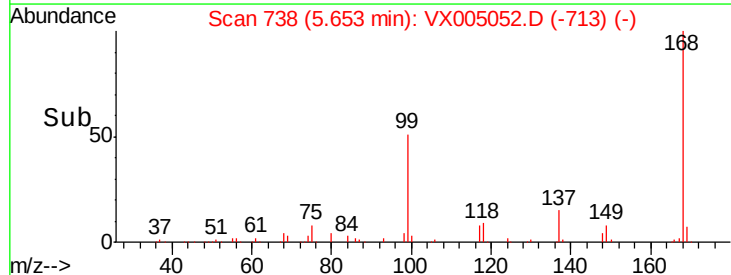
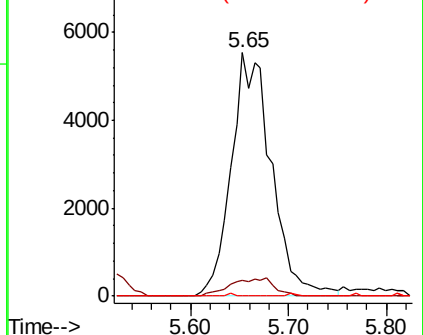
77 0.1 27.1 40.7#

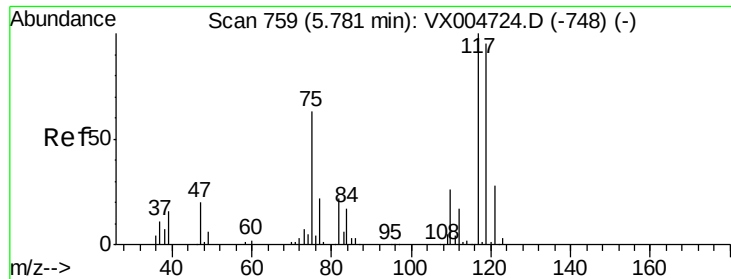


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

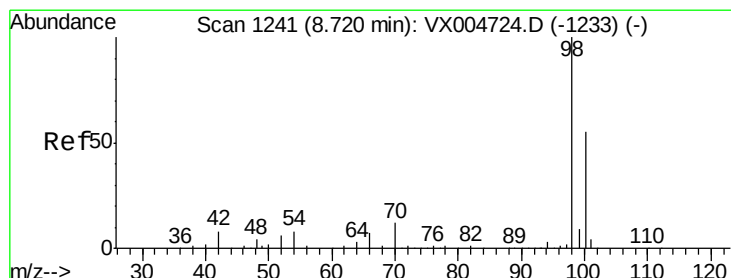
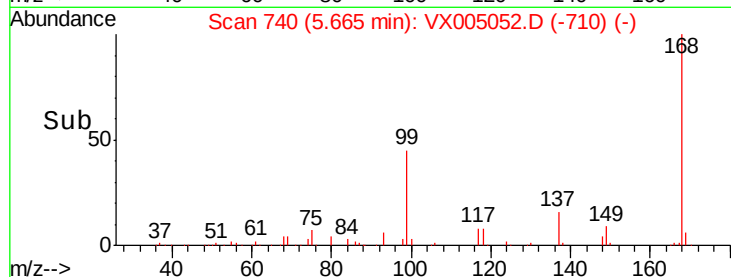
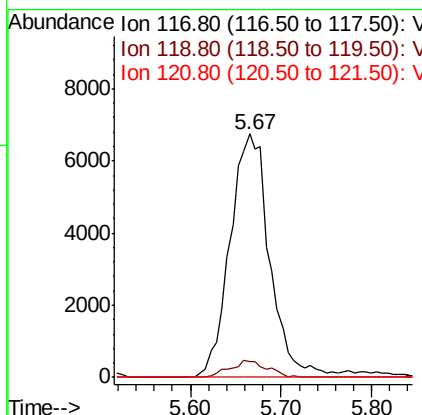
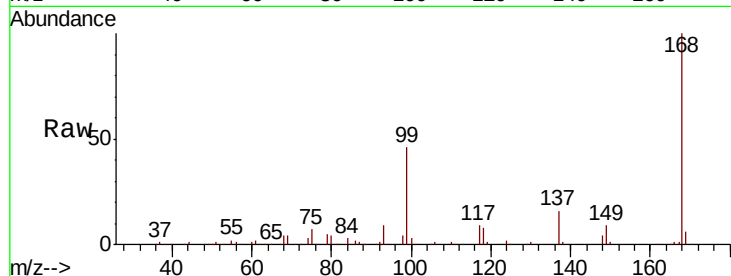




#38
Carbon Tetrachloride
Concen: 5.098 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

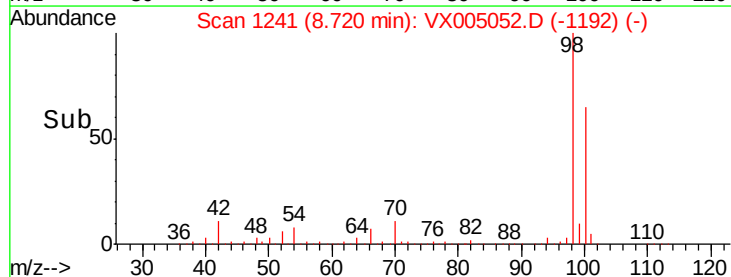
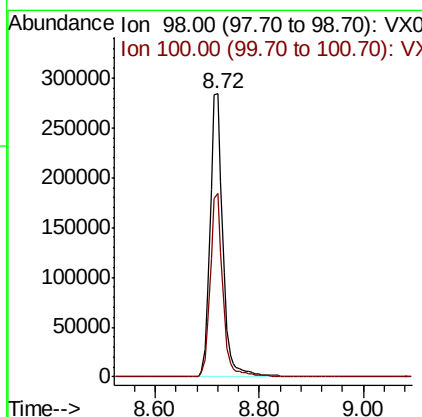
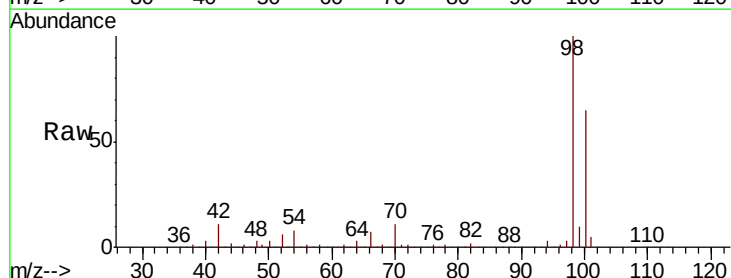
Instrument :
MSVOA_X
ClientSampled :

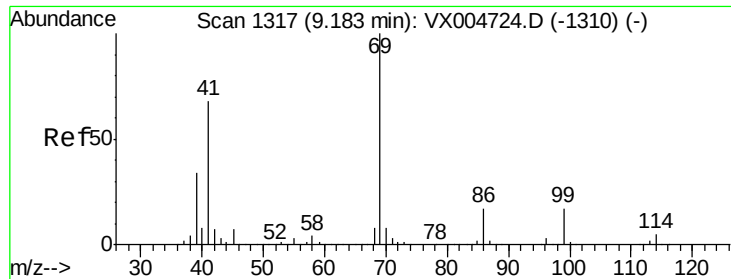
Tot Ion:117 Resp: 20419
Ion Ratio Lower Upper
117 100
119 6.5 75.2 112.8#
121 0.0 22.5 33.7#



#50
Toluene-d8
Concen: 52.163 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Tgt Ion: 98 Resp: 484305
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9





#56

Ethyl methacrylate

Concen: 2.870 ug/l

RT: 8.98 min Scan# 1283

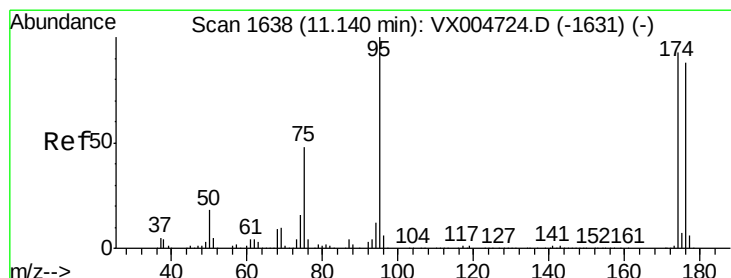
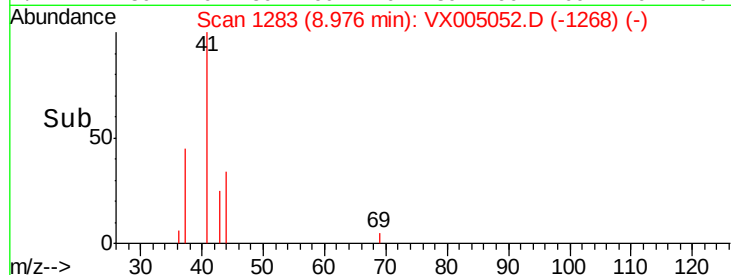
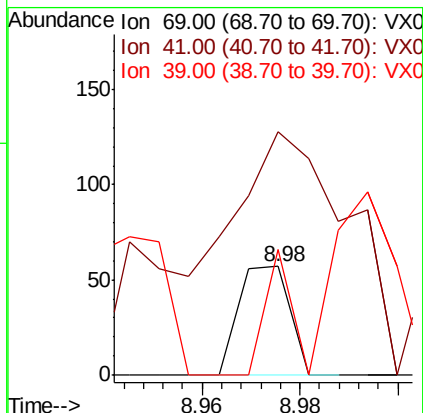
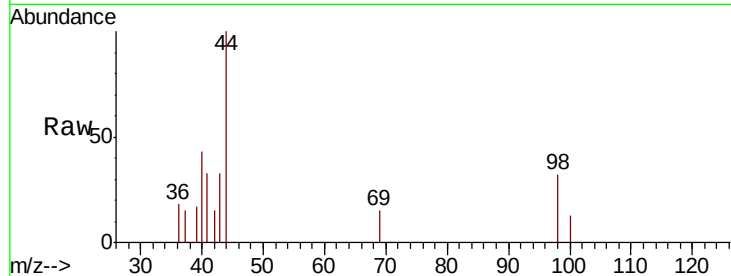
Delta R.T. -0.21 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	41
Ion	Ratio	Lower	Upper
69	100		
41	726.8	56.9	85.3#
39	263.4	28.4	42.6#



#62

4-Bromofluorobenzene

Concen: 51.085 ug/l

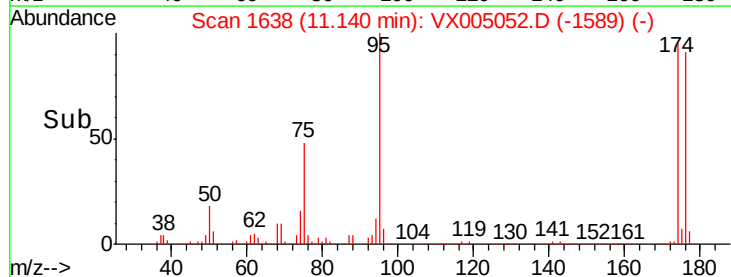
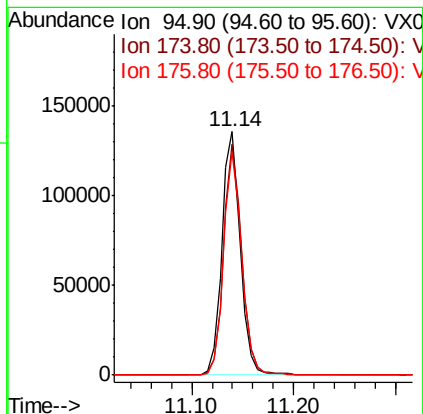
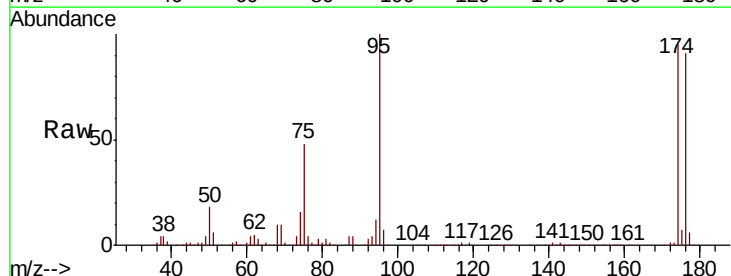
RT: 11.14 min Scan# 1638

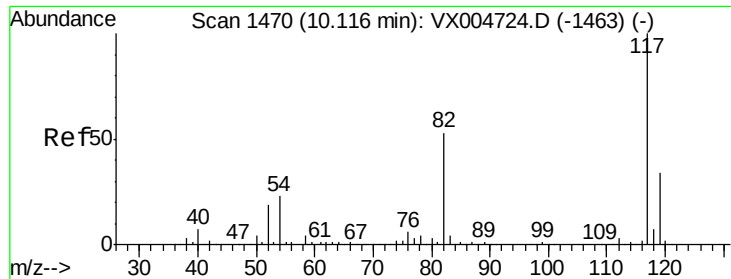
Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Tgt Ion:	95	Resp:	170866
Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	185.0
176	90.7	0.0	180.2

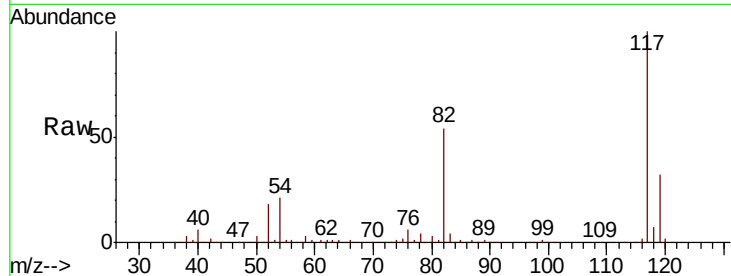




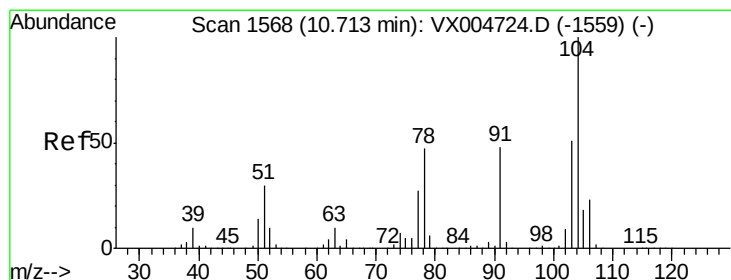
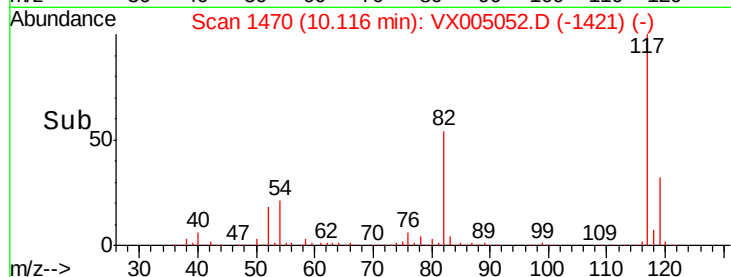
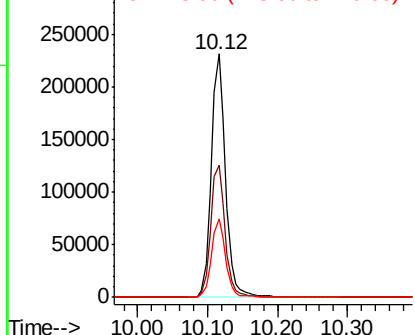
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 326316
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 32.2 27.4 41.0

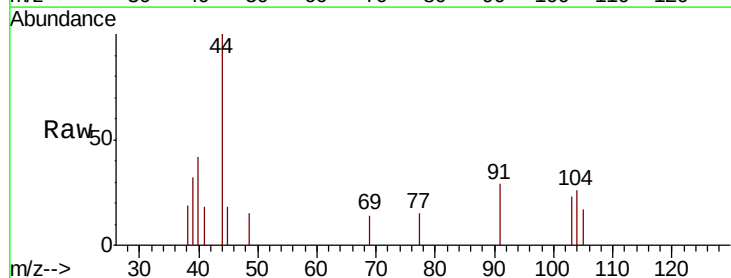


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

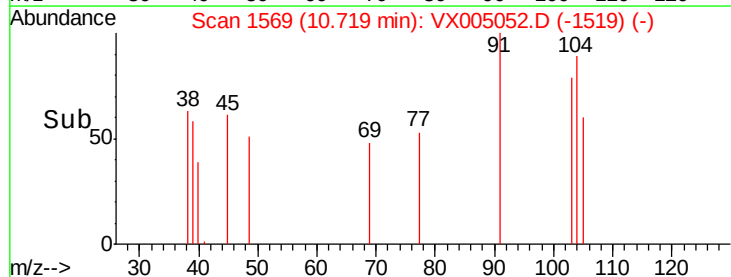
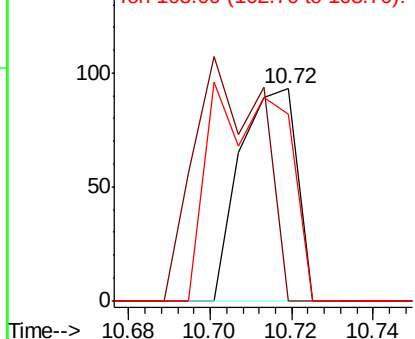


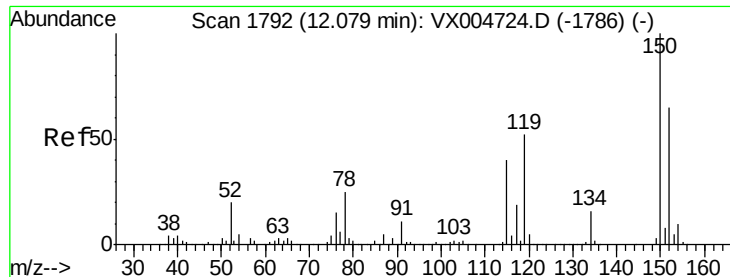
#70
Styrene
Concen: 2.150 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Tgt Ion:104 Resp: 90
Ion Ratio Lower Upper
104 100
78 134.4 40.0 60.0#
103 136.7 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



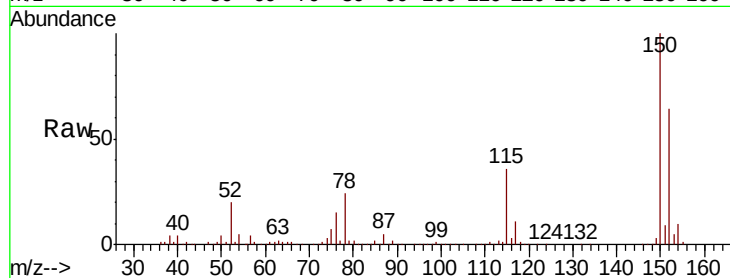


#72

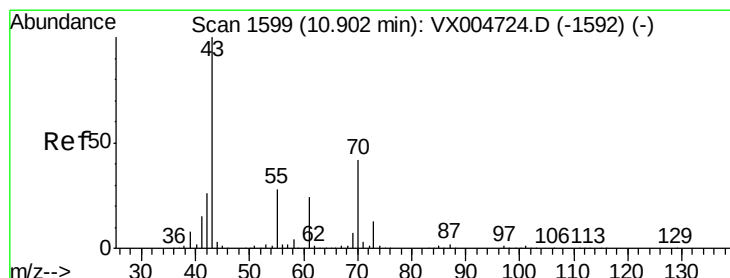
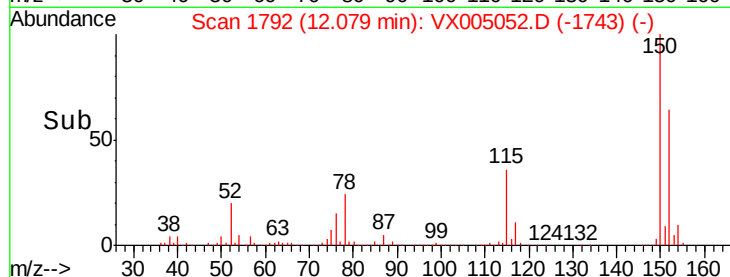
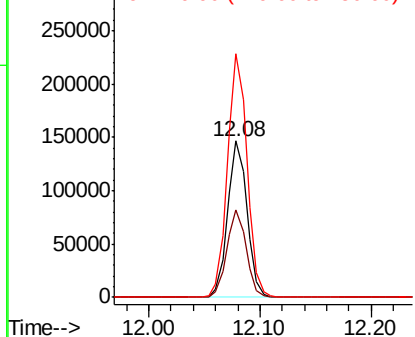
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 176976
Ion Ratio Lower Upper
152 100
115 55.9 40.2 120.6
150 156.9 0.0 351.0



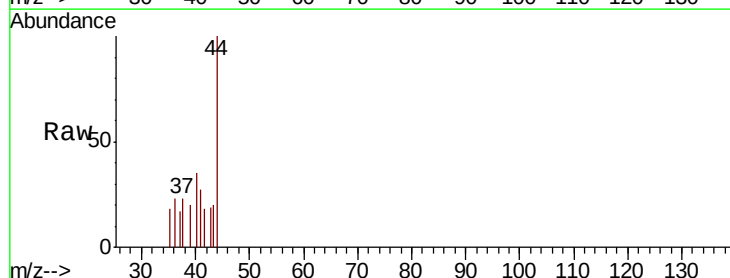
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



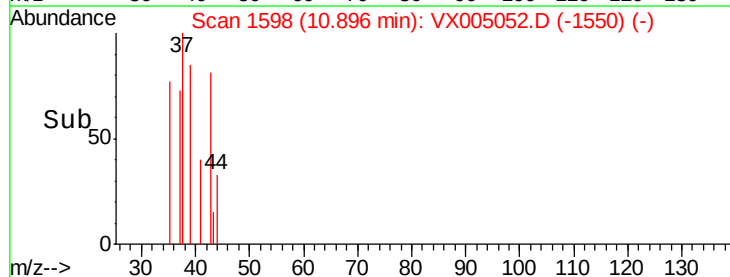
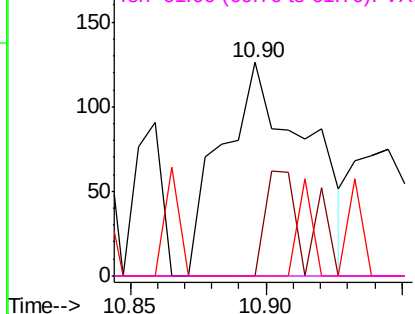
#74

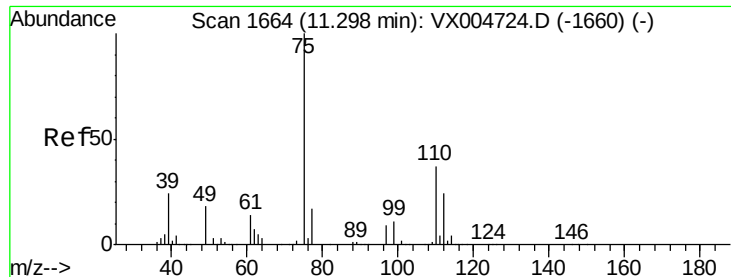
N-ethyl acetate
Concen: 1.791 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
70 23.4 32.6 48.8#
55 7.7 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: 21.309 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

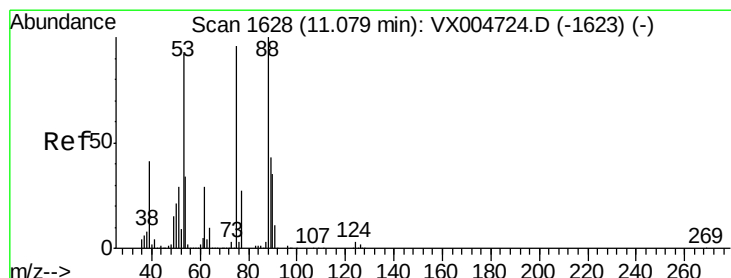
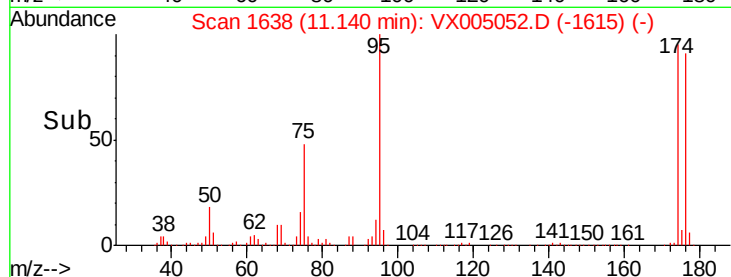
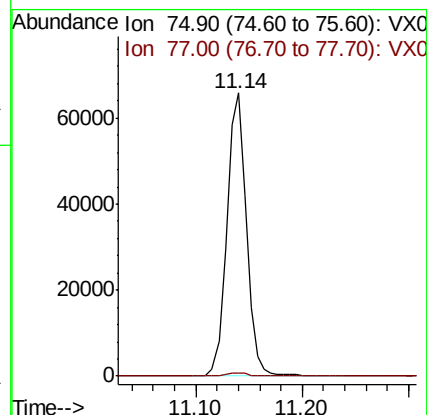
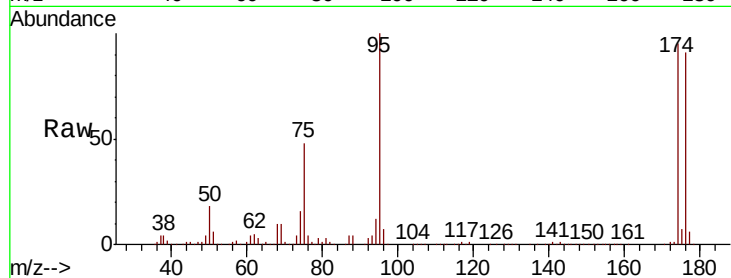
ClientSampleId :

Tot Ion: 75 Resp: 84524

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.794 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

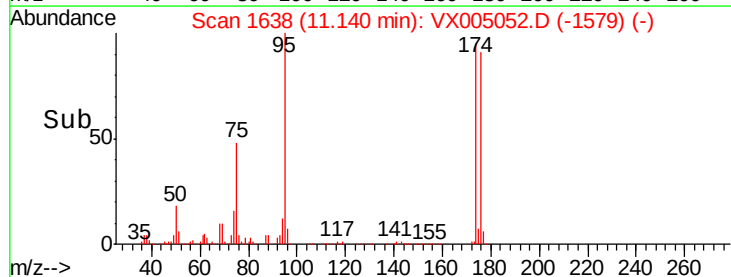
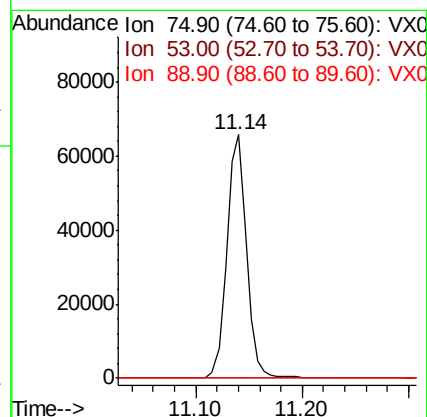
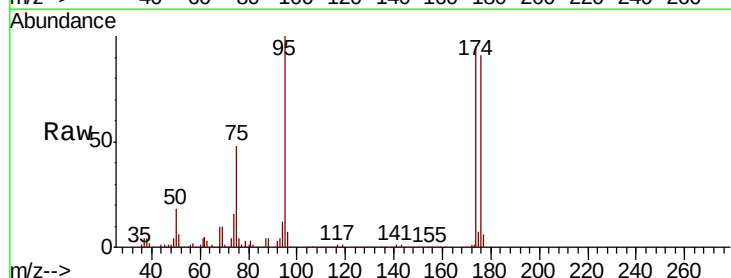
Tgt Ion: 75 Resp: 84524

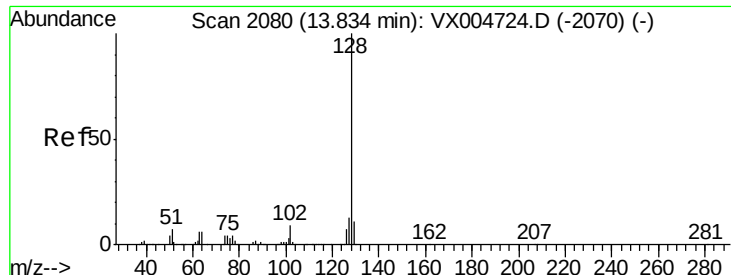
Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.4#

89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 0.788 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

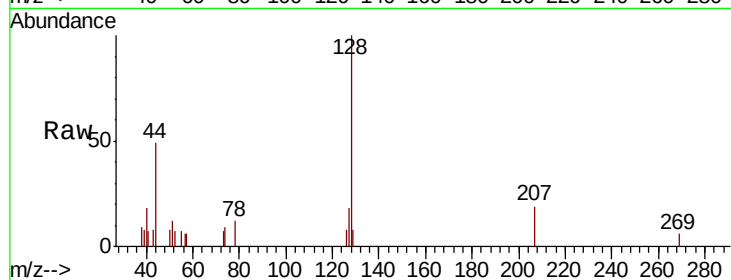
Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:128 Resp: 1020

Ion Ratio Lower Upper

128 100

127 16.9 10.4 15.6#

129 7.9 8.7 13.1#

