

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101118\
 Data File : VX005263.D
 Acq On : 11 Oct 2018 19:33
 Operator : JC/MD
 Sample : J5317-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 07:10:58 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

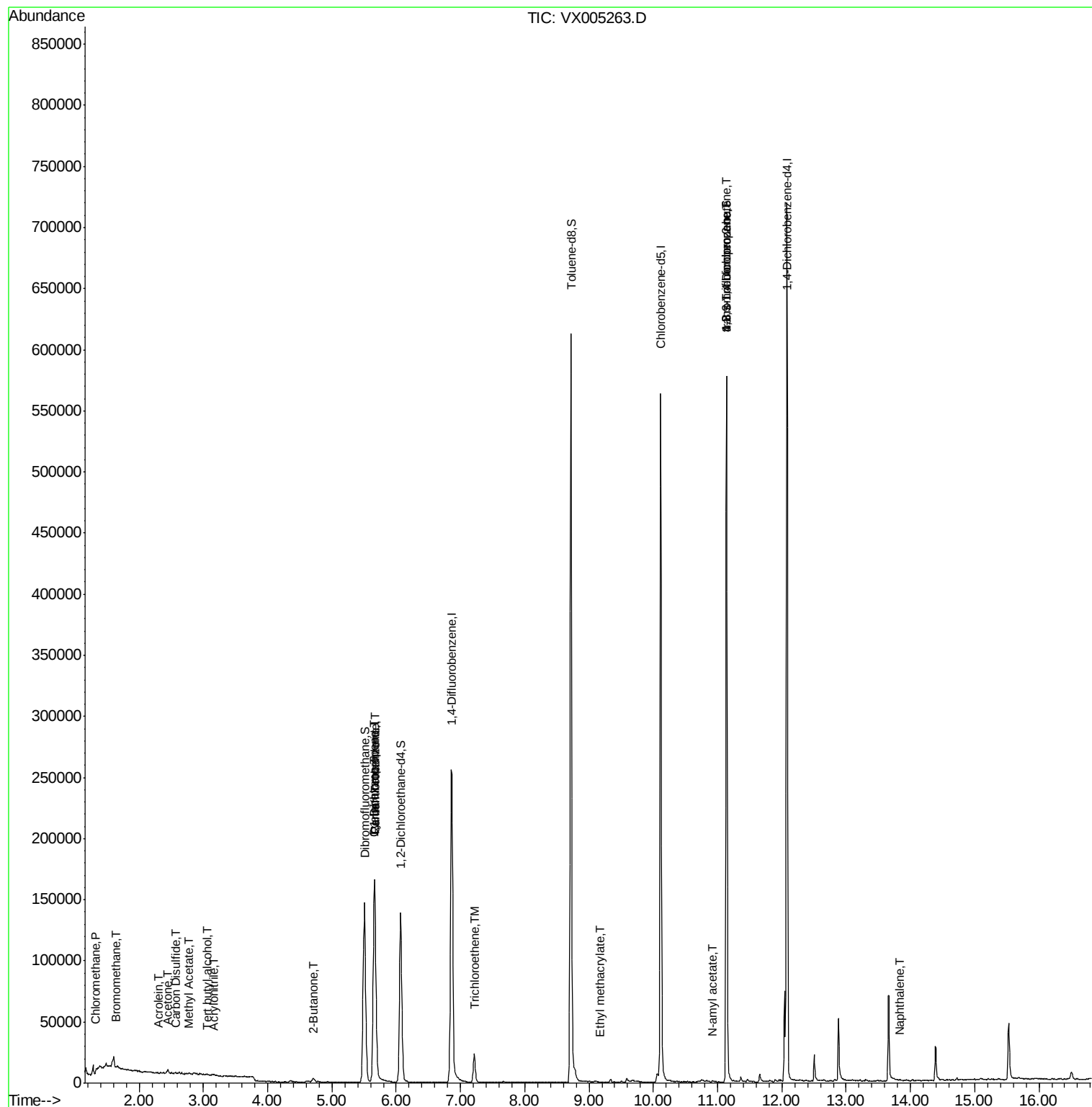
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	172557	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	265786	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150776	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	130625	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	5.51	113	121203	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	8.72	98	385637	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.14	95	138399	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	696	0.244	ug/l	99
5) Bromomethane	1.65	94	500	0.315	ug/l #	48
6) Chloroethane	1.70	64	250	Below Cal	#	69
11) Tert butyl alcohol	3.07	59	274	0.398	ug/l #	1
13) Acrolein	2.30	56	195	0.398	ug/l #	44
15) Acrylonitrile	3.15	53	410	0.270	ug/l #	52
16) Acetone	2.45	43	2941	2.044	ug/l #	89
17) Carbon Disulfide	2.57	76	1190	0.212	ug/l #	84
18) Methyl Acetate	2.78	43	1330	0.365	ug/l #	70
20) Methylene Chloride	2.86	84	453	Below Cal	#	68
25) 2-Butanone	4.71	43	5487	2.587	ug/l #	81
31) Cyclohexane	5.65	56	3345	1.067	ug/l #	36
36) 1,1-Dichloropropene	5.65	75	12169	3.960	ug/l #	46
38) Carbon Tetrachloride	5.66	117	15163	4.694	ug/l #	19
44) Trichloroethene	7.21	130	9633	4.073	ug/l	98
56) Ethyl methacrylate	9.18	69	46	2.874	ug/l #	1
74) N-amyl acetate	10.91	43	79	1.762	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	68274	20.203	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	191	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	68274	54.898	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	208	Below Cal	#	31
95) Naphthalene	13.84	128	253	0.739	ug/l #	80

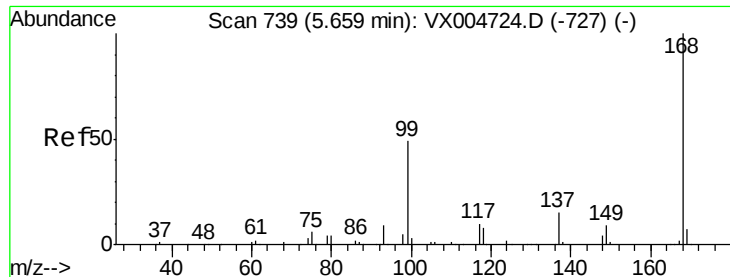
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005263.D

Acq: 11 Oct 2018 19:33

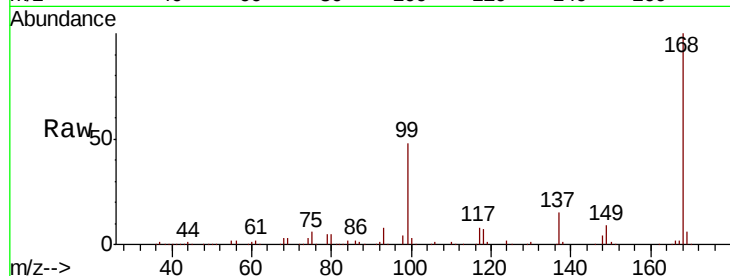
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 172557

Ion Ratio Lower Upper

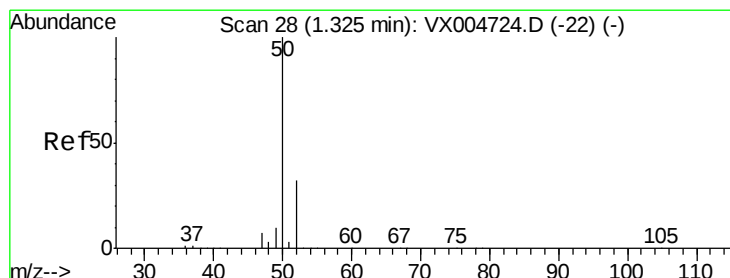
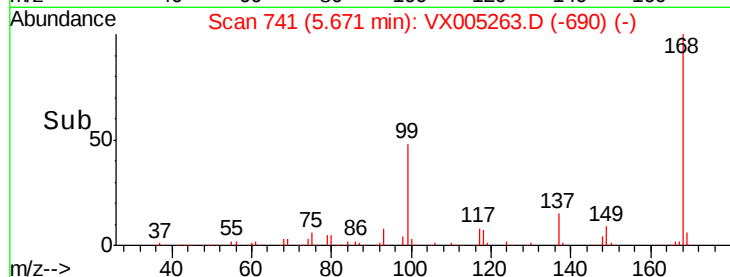
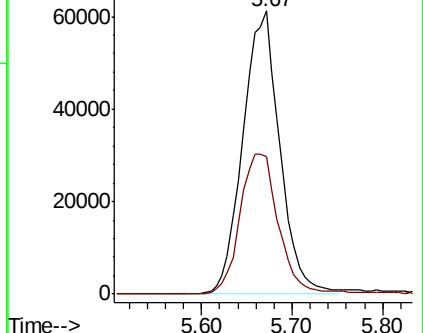
168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): VX004724.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX004724.D (-727) (-)



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005263.D

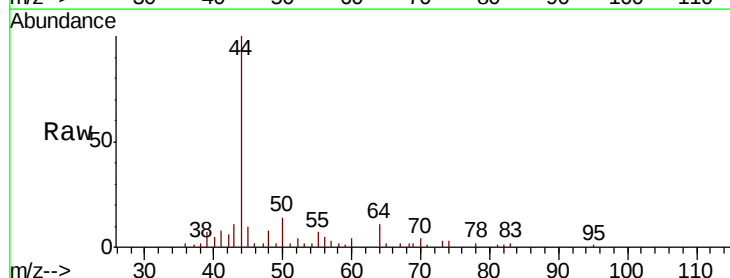
Acq: 11 Oct 2018 19:33

Tgt Ion: 50 Resp: 696

Ion Ratio Lower Upper

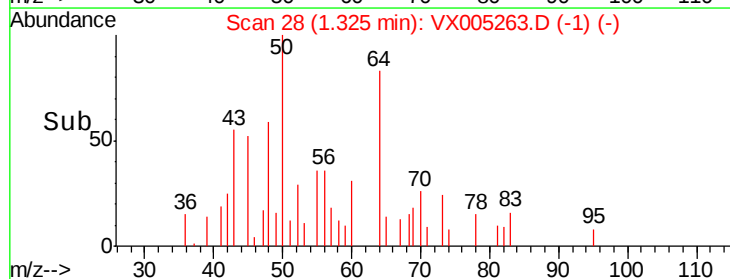
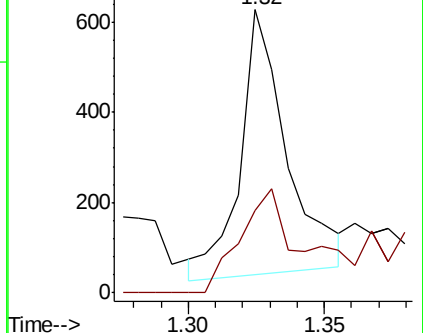
50 100

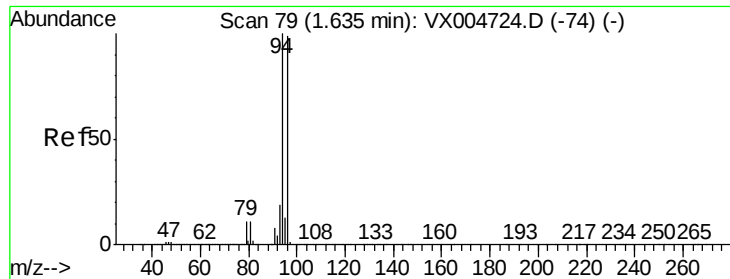
52 32.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX004724.D (-22) (-)

Ion 51.90 (51.60 to 52.60): VX004724.D (-22) (-)

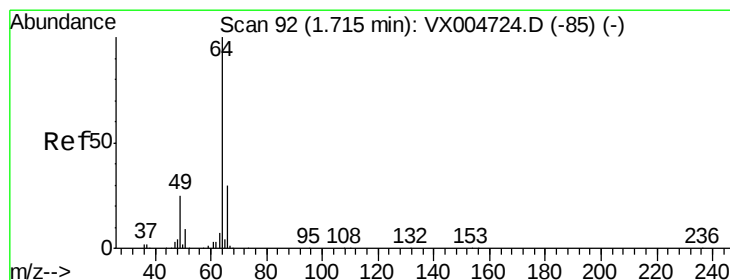
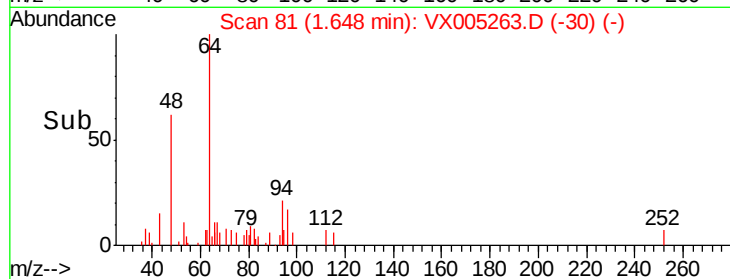
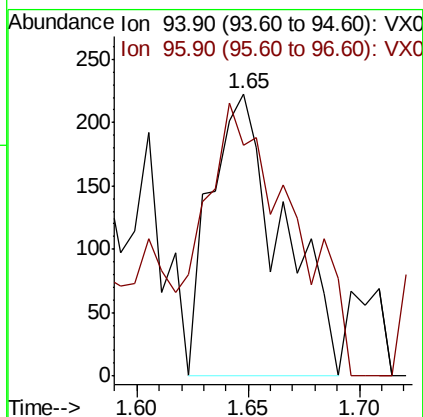
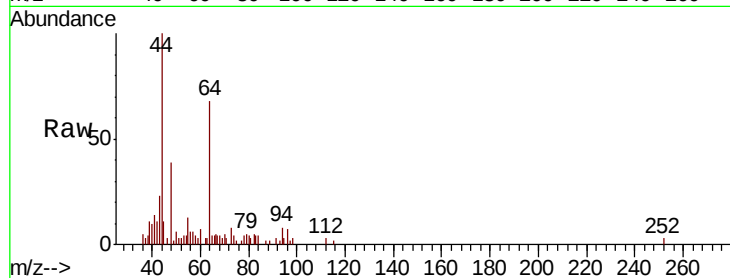




#5
Bromomethane
Concen: 0.315 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

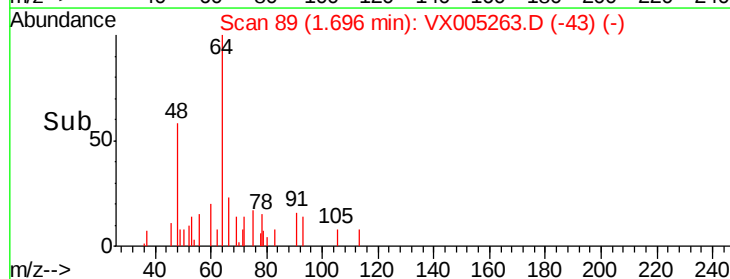
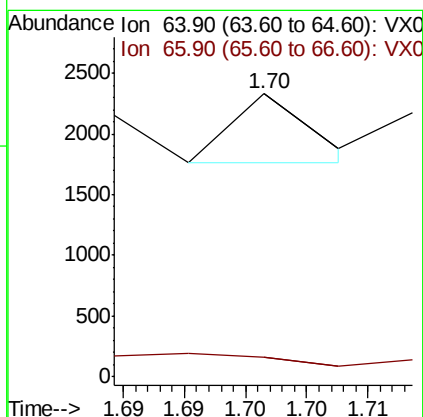
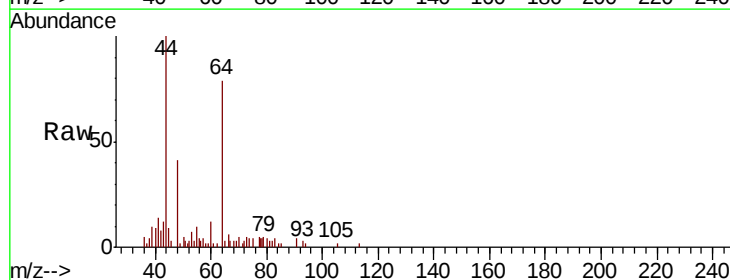
Instrument :
MSVOA_X
ClientSampleId :

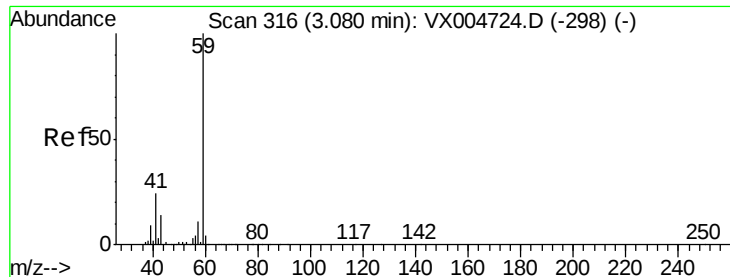
Tot Ion: 94 Resp: 500
Ion Ratio Lower Upper
94 100
96 47.1 79.5 119.3#



#6
Chloroethane
Concen: Below Cal
RT: 1.70 min Scan# 89
Delta R.T. -0.02 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 13.2 23.8 35.6#



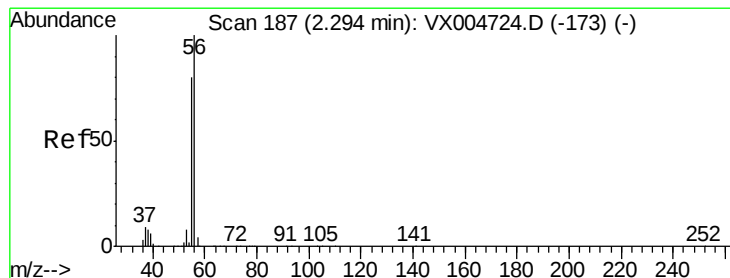
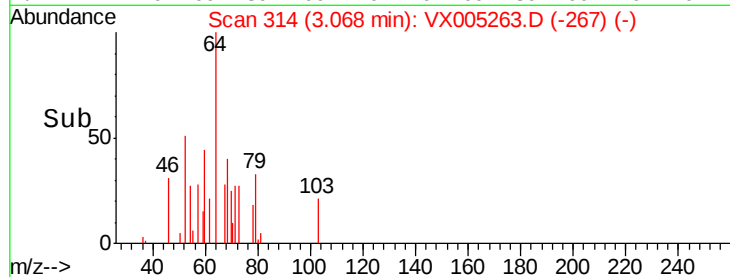
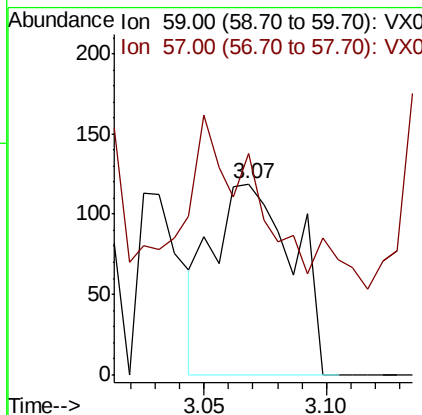
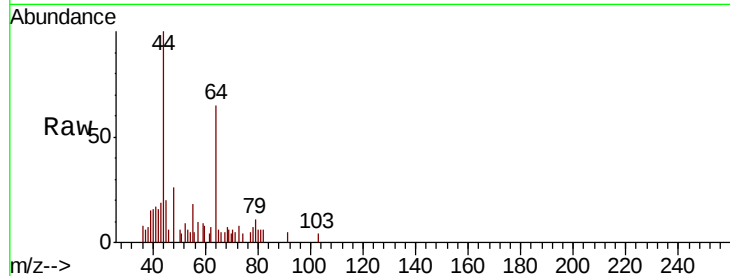


#11

Tert butvl alcohol
Concen: 0.398 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

Instrument :
MSVOA_X
ClientSampled :

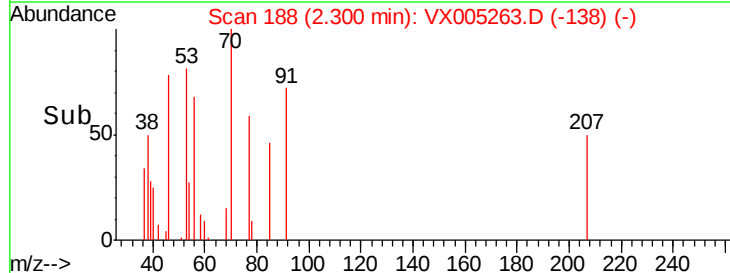
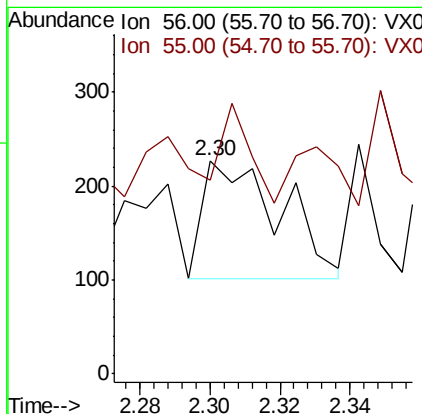
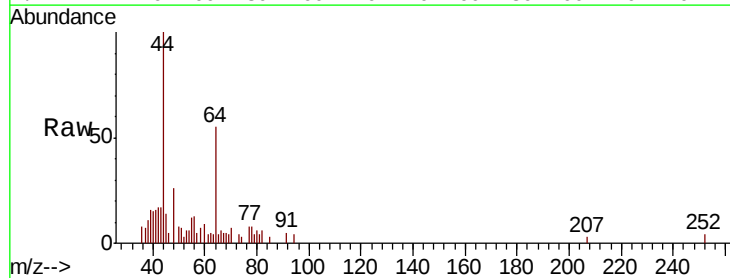
Tot Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 64.6 8.6 12.8#

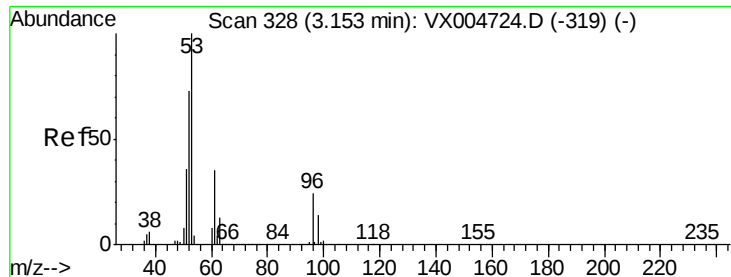


#13

Acrolein
Concen: 0.398 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 29.7 63.4 95.2#





#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005263.D

Acq: 11 Oct 2018 19:33

Instrument :

MSVOA_X

ClientSampled :

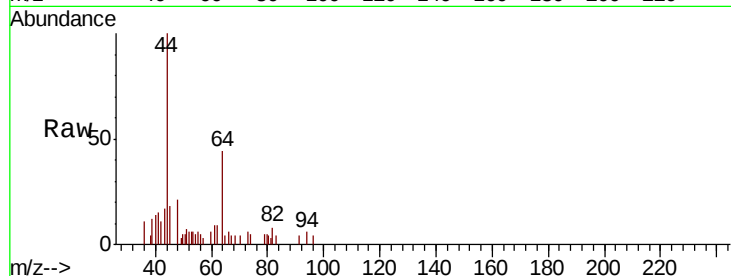
Tot Ion: 53 Resp: 410

Ion Ratio Lower Upper

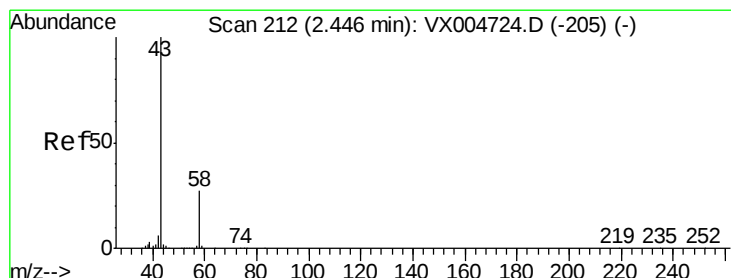
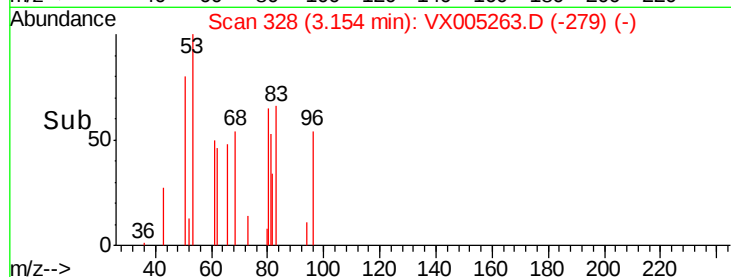
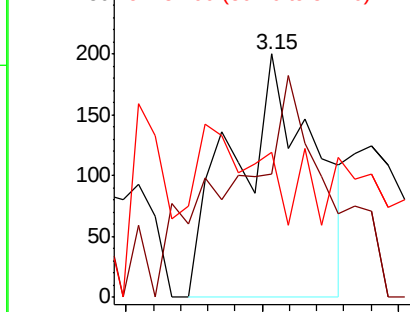
53 100

52 115.6 63.0 94.4#

51 0.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.044 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005263.D

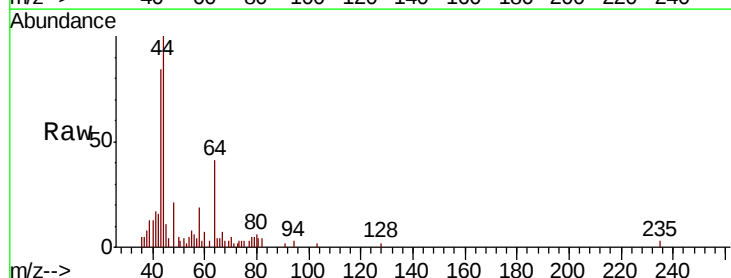
Acq: 11 Oct 2018 19:33

Tgt Ion: 43 Resp: 2941

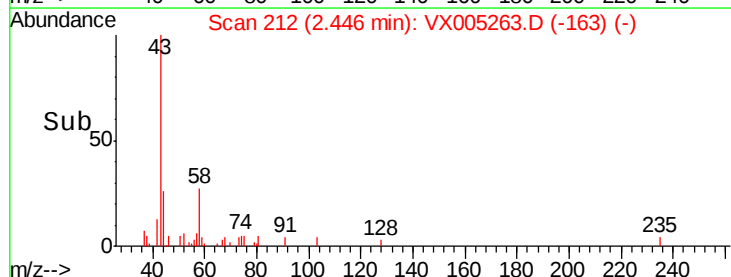
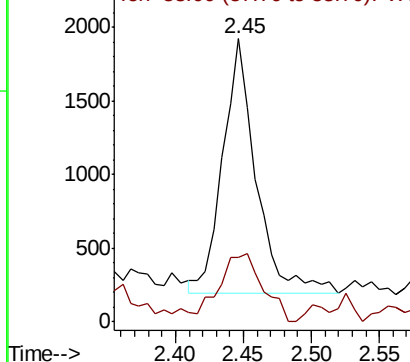
Ion Ratio Lower Upper

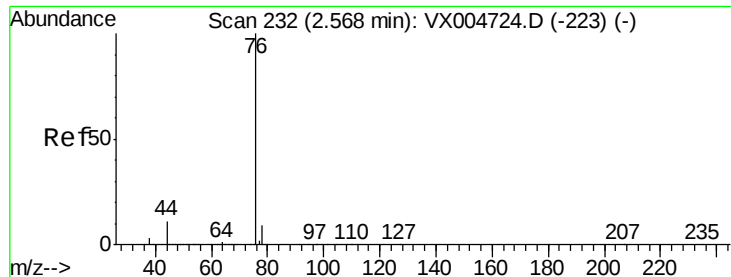
43 100

58 21.7 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

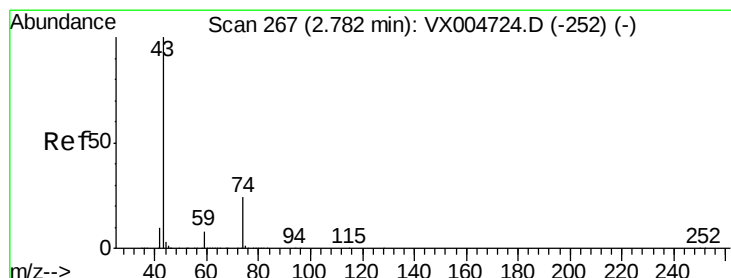
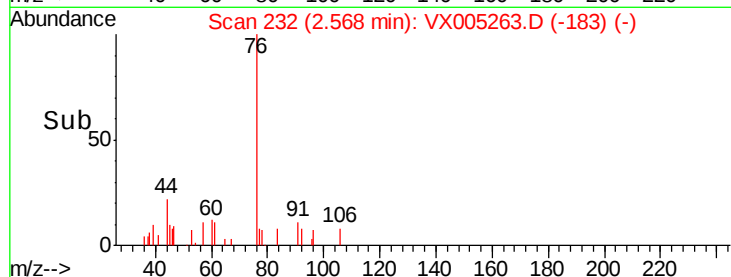
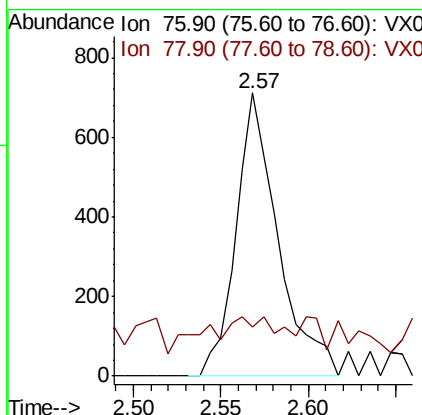
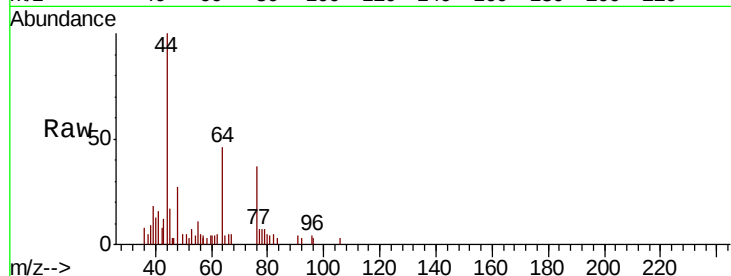




#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

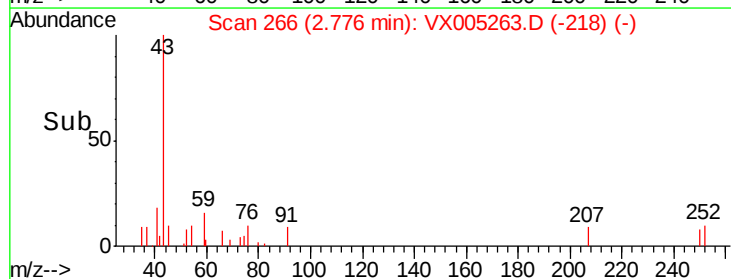
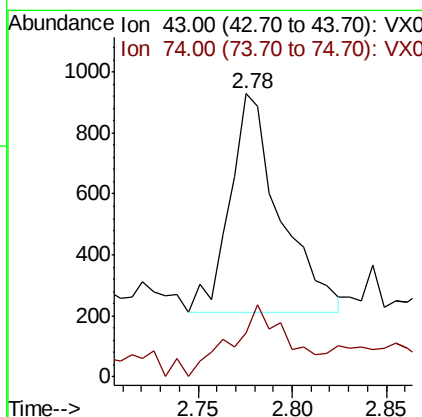
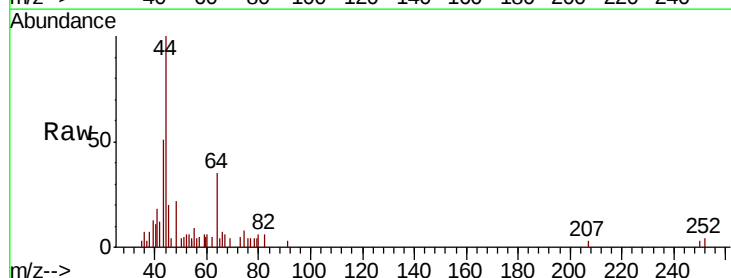
Instrument :
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ClientSampleId :

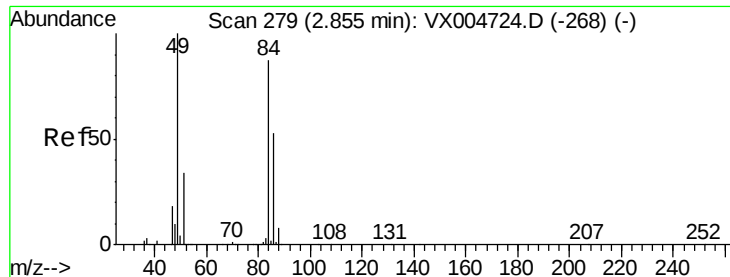
Tot Ion: 76 Resp: 1190
Ion Ratio Lower Upper
76 100
78 3.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.365 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

Tgt Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
74 36.7 17.8 26.8#

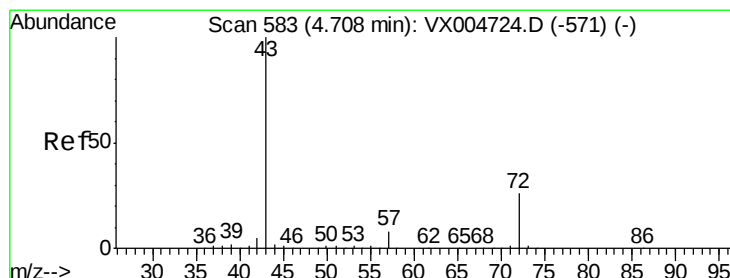
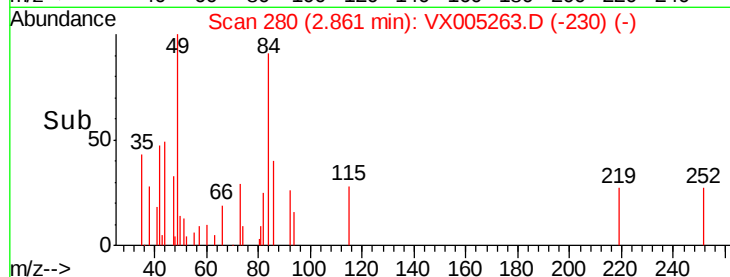
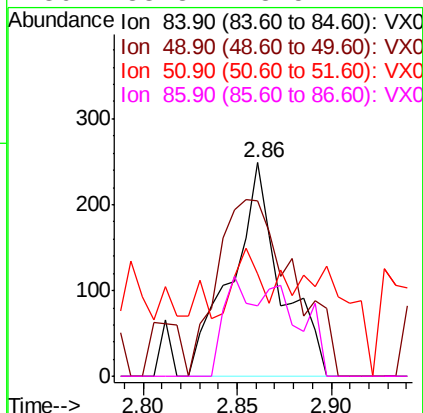
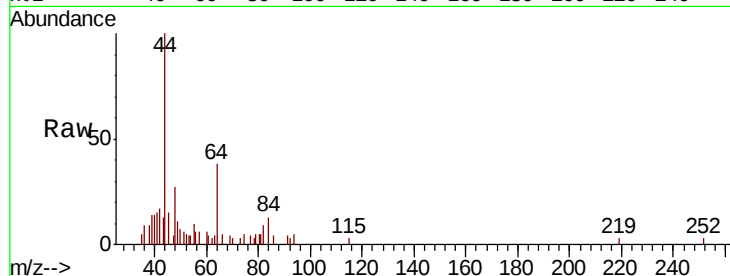




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

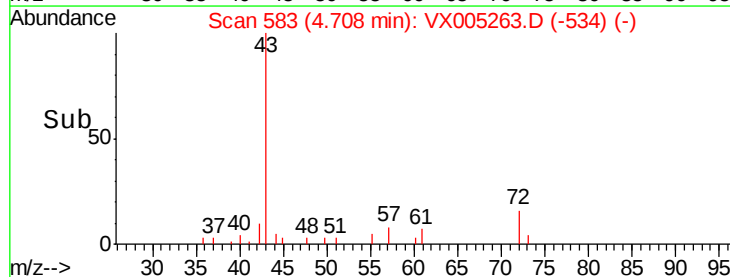
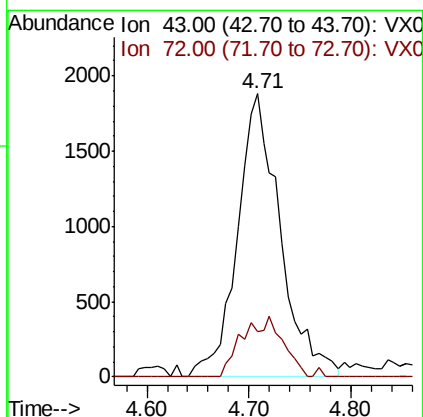
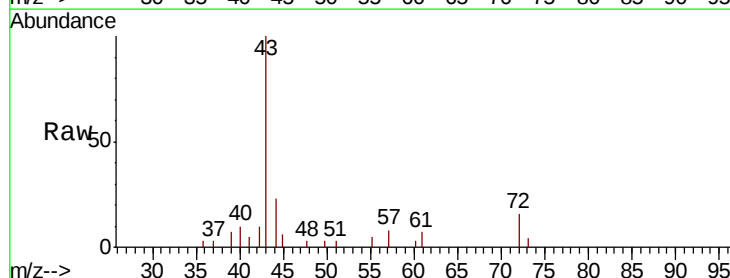
Instrument :
MSVOA_X
ClientSampleId :

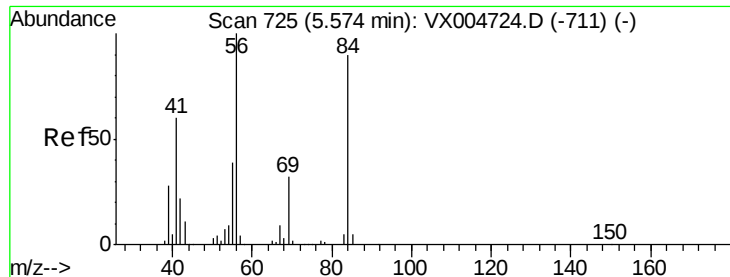
Tot Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
49 82.3 92.3 138.5#
51 20.1 31.8 47.6#
86 33.3 48.5 72.7#



#25
2-Butanone
Concen: 2.587 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.00 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

Tgt Ion: 43 Resp: 5487
Ion Ratio Lower Upper
43 100
72 16.2 20.8 31.2#

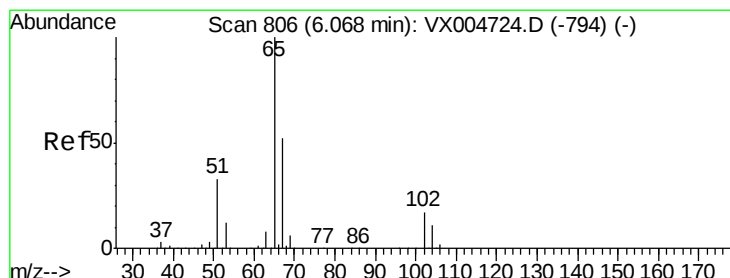
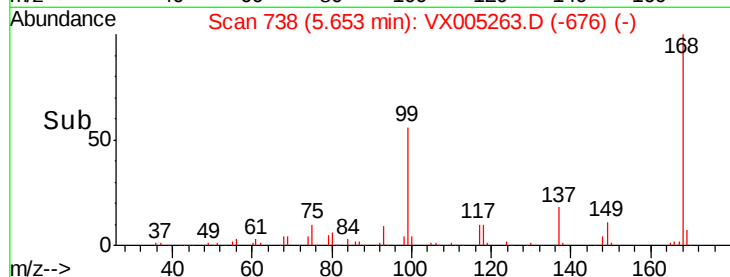
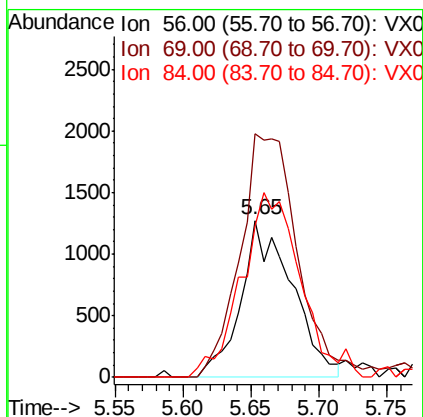
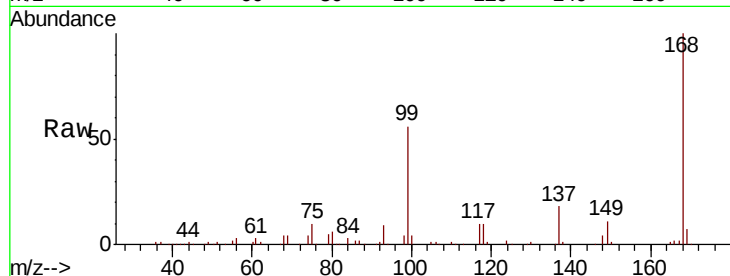




#31
Cyclohexane
Concen: 1.067 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

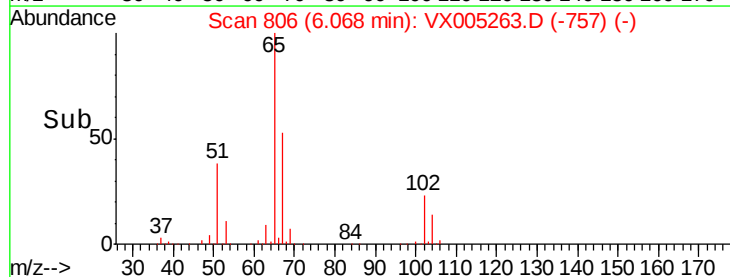
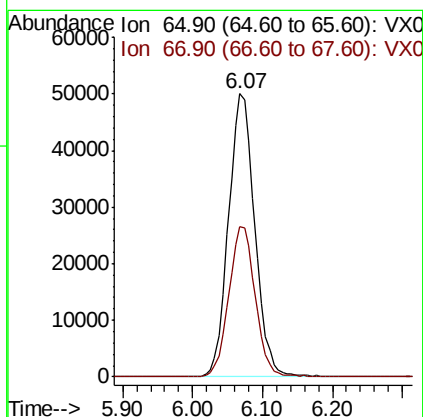
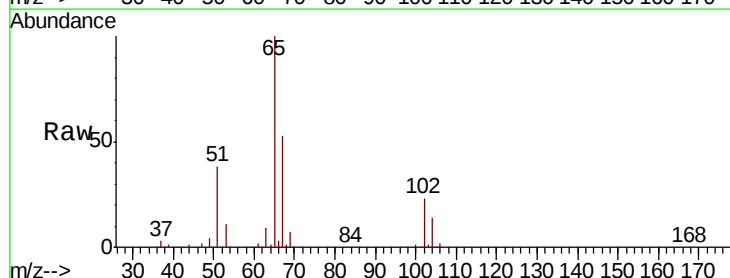
Instrument :
MSVOA_X
ClientSampled :

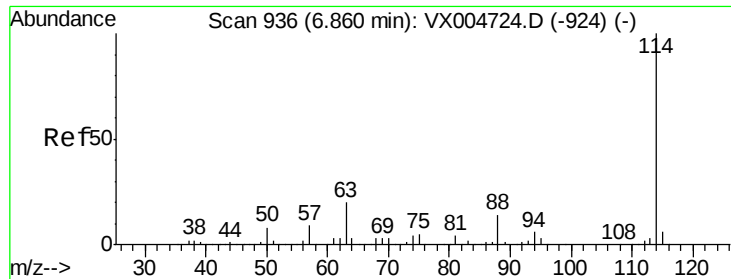
Tot Ion: 56 Resp: 3345
Ion Ratio Lower Upper
56 100
69 155.5 25.9 38.9#
84 97.0 71.9 107.9



#33
1,2-Dichloroethane-d4
Concen: 52.992 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

Tgt Ion: 65 Resp: 130625
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4

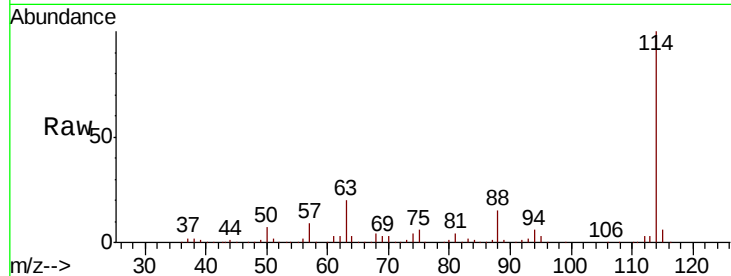




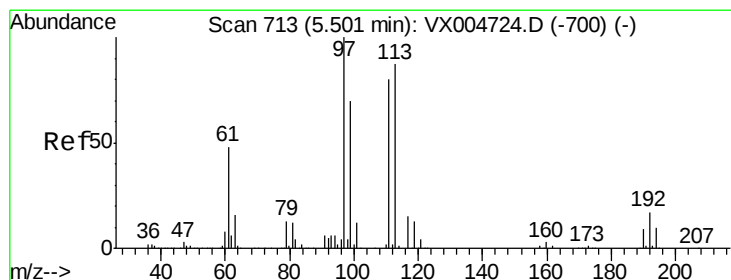
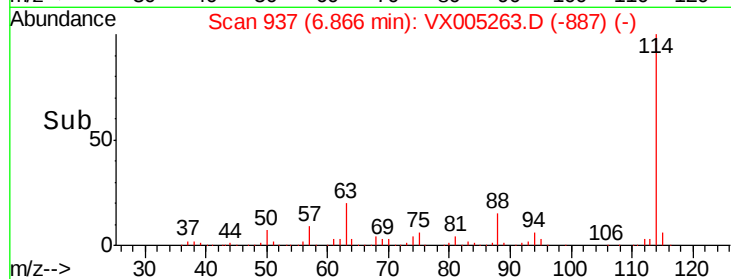
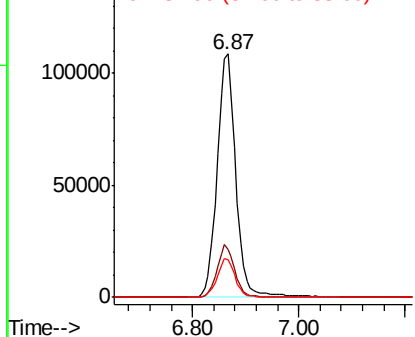
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005263.D
 Acq: 11 Oct 2018 19:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 265786
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.5 0.0 27.0

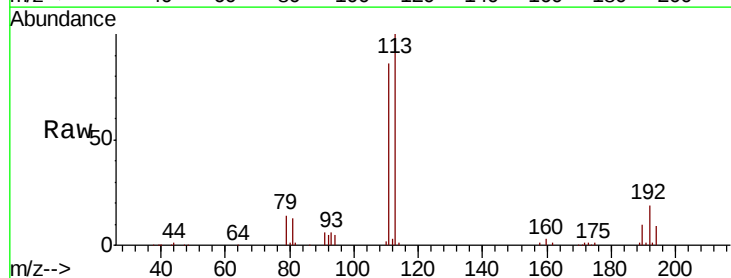


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

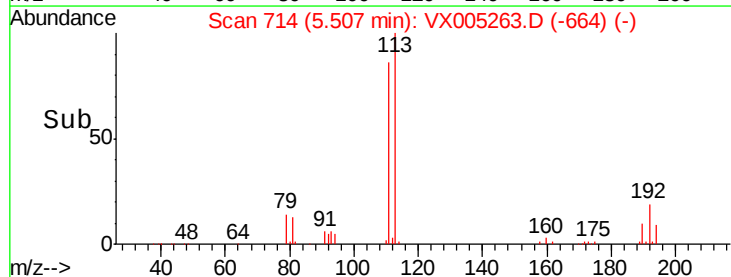
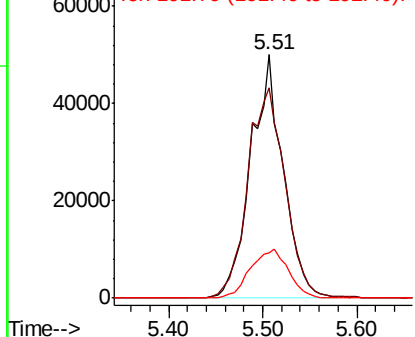


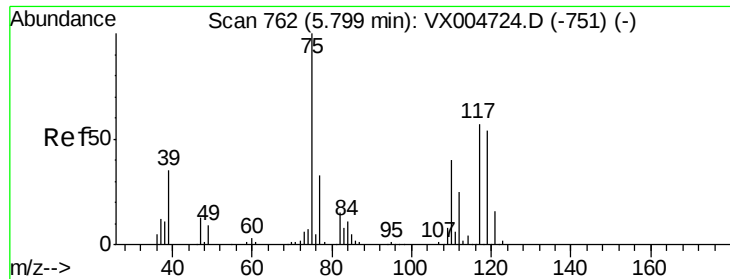
#35
 Dibromofluoromethane
 Concen: 53.806 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005263.D
 Acq: 11 Oct 2018 19:33

Tgt Ion:113 Resp: 121203
 Ion Ratio Lower Upper
 113 100
 111 99.4 77.0 115.4
 192 23.6 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: 3.960 ug/l

RT: 5.65 min Scan# 738

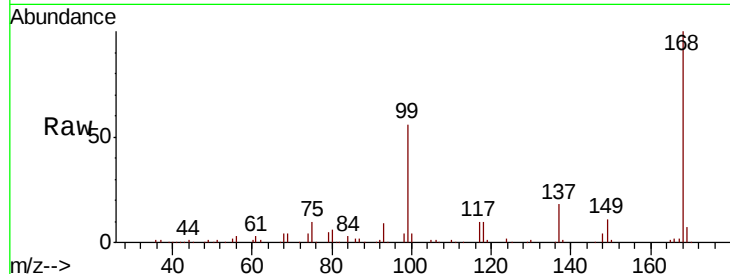
Delta R.T. -0.15 min

Lab File: VX005263.D

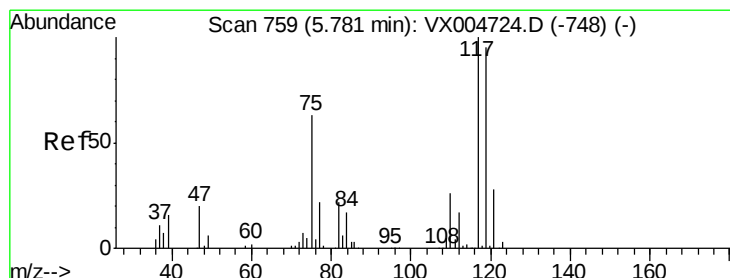
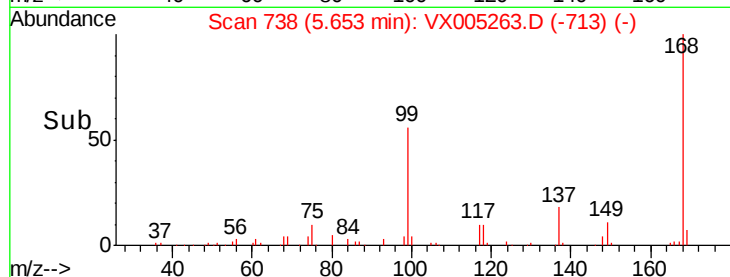
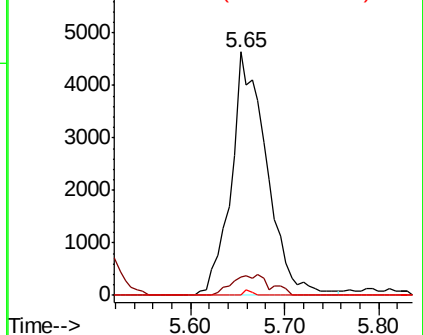
Acq: 11 Oct 2018 19:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	12169
Ion	Ratio	Lower	Upper
75	100		
110	9.2	20.0	59.9#
77	0.5	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: 4.694 ug/l

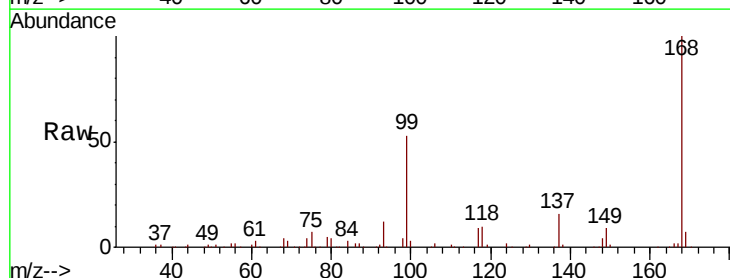
RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

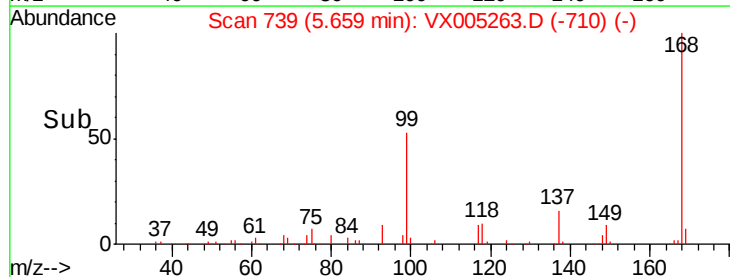
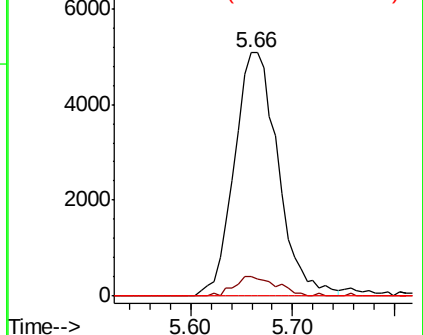
Lab File: VX005263.D

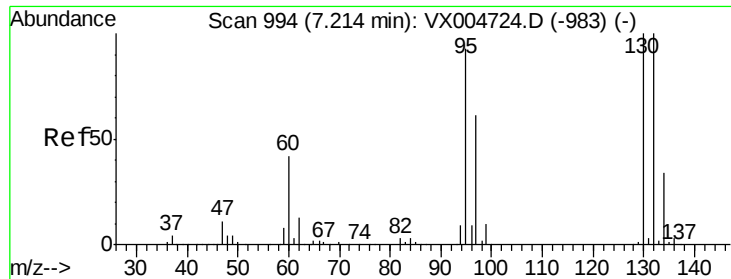
Acq: 11 Oct 2018 19:33

Tgt Ion:	117	Resp:	15163
Ion	Ratio	Lower	Upper
117	100		
119	8.1	75.2	112.8#
121	0.0	22.5	33.7#



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

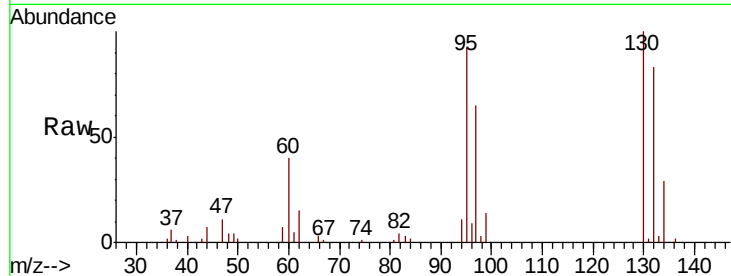




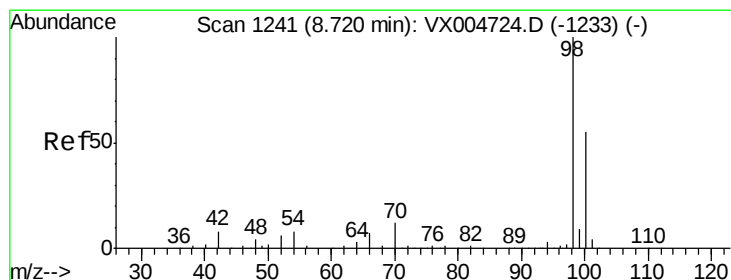
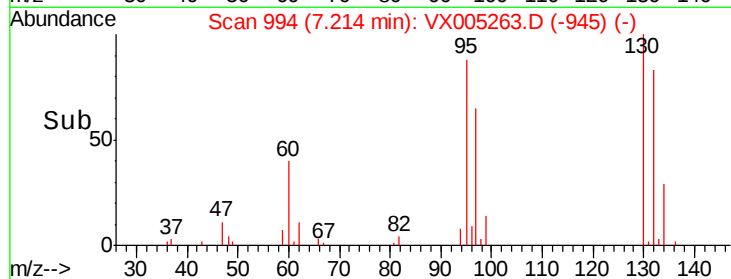
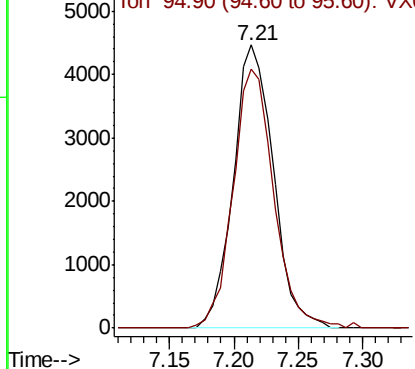
#44
 Trichloroethene
 Concen: 4.073 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX005263.D
 Acq: 11 Oct 2018 19:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 9633
 Ion Ratio Lower Upper
 130 100
 95 91.7 0.0 186.8

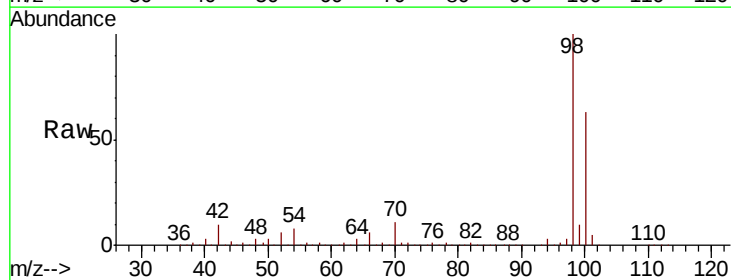


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

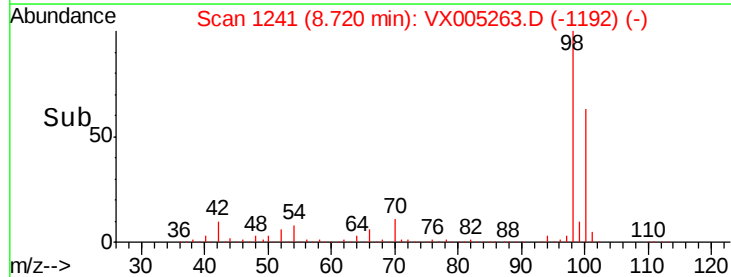
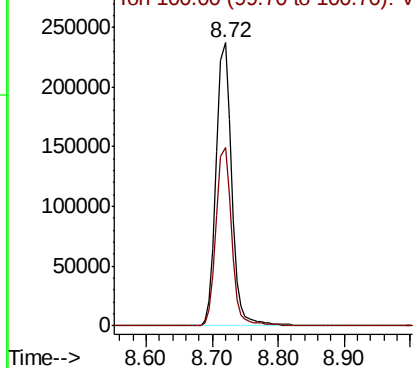


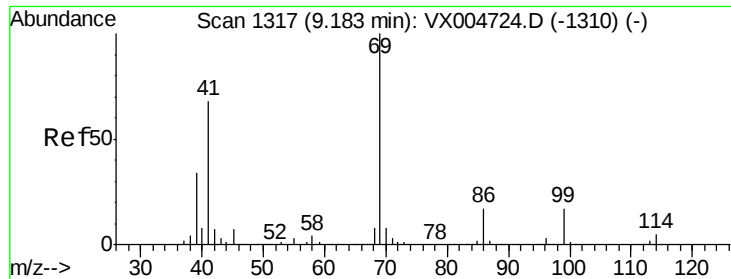
#50
 Toluene-d8
 Concen: 51.496 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VX005263.D
 Acq: 11 Oct 2018 19:33

Tgt Ion: 98 Resp: 385637
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.874 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

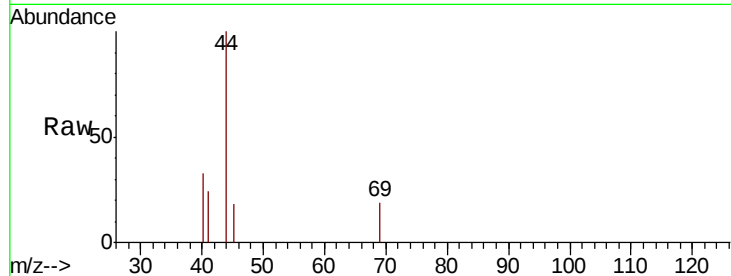
Lab File: VX005263.D

Acq: 11 Oct 2018 19:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 69 Resp: 46

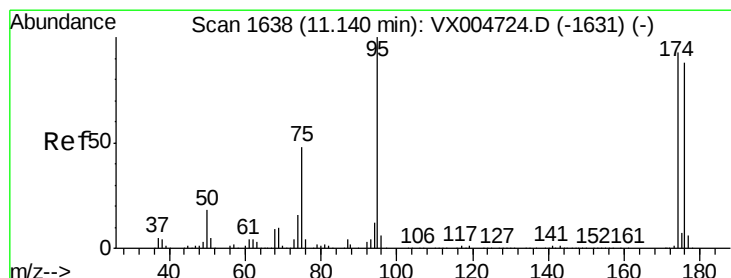
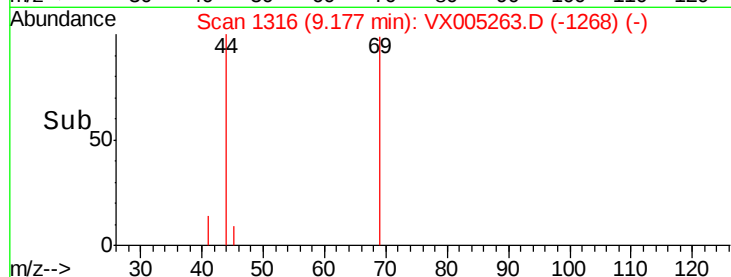
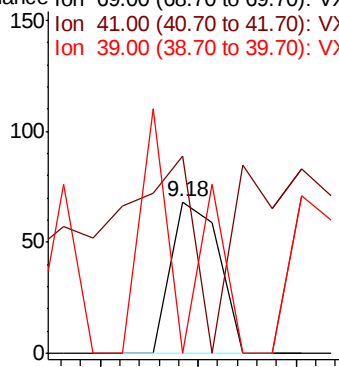
Ion	Ratio	Lower	Upper
69	100		
41	180.4	56.9	85.3#
39	147.8	28.4	42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 51.300 ug/l

RT: 11.14 min Scan# 1638

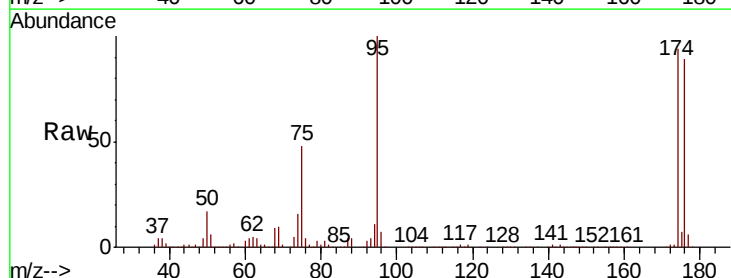
Delta R.T. 0.00 min

Lab File: VX005263.D

Acq: 11 Oct 2018 19:33

Tgt Ion: 95 Resp: 138399

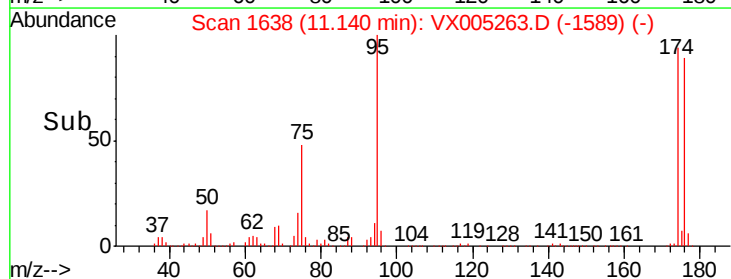
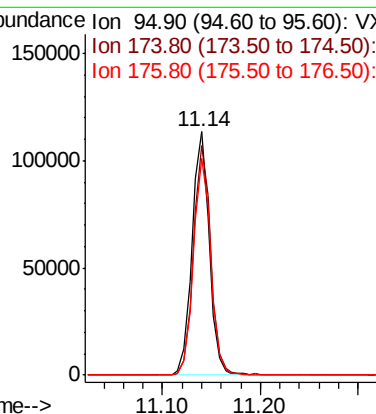
Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	185.0
176	90.0	0.0	180.2

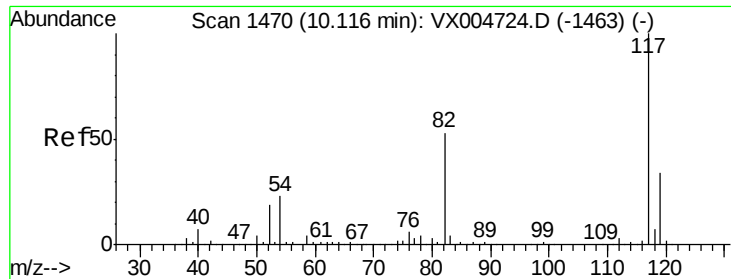


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

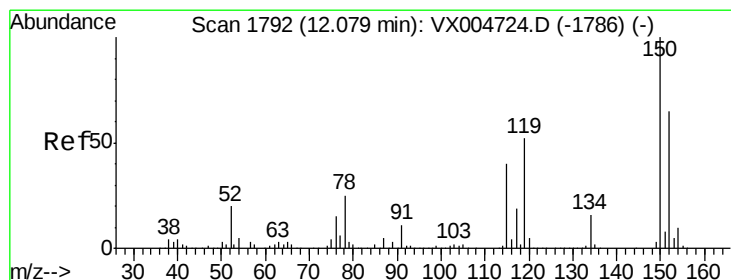
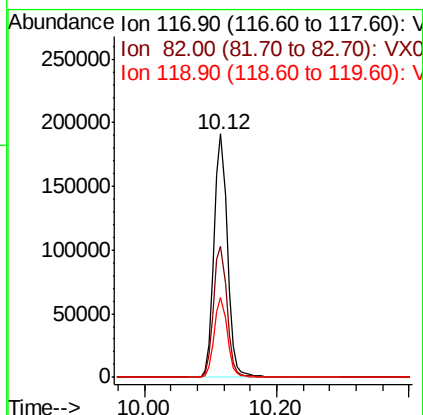
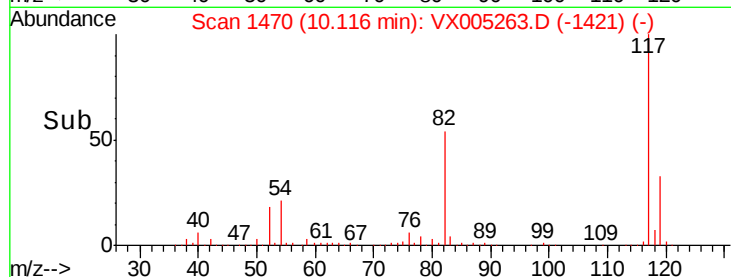
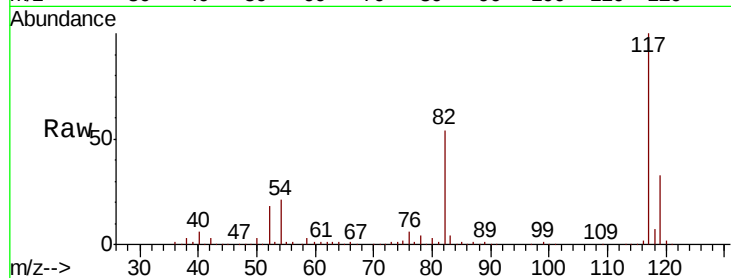




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

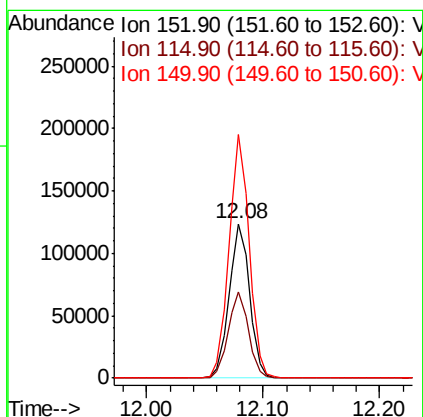
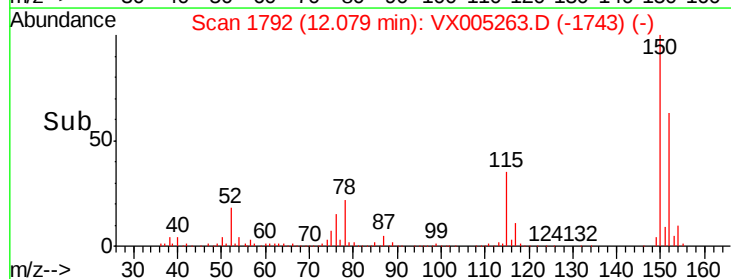
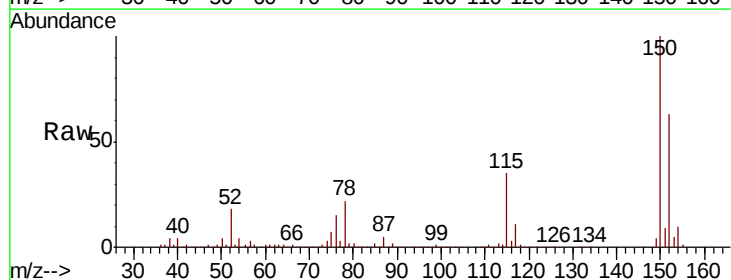
Instrument :
MSVOA_X
ClientSampled :

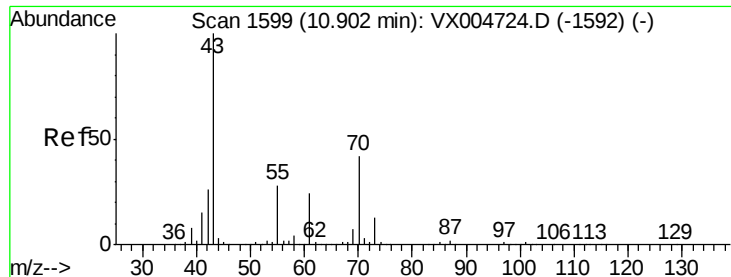
Tot Ion:117 Resp: 265556
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.9 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005263.D
Acq: 11 Oct 2018 19:33

Tgt Ion:152 Resp: 150776
Ion Ratio Lower Upper
152 100
115 55.0 40.2 120.6
150 155.8 0.0 351.0





#74

N-amvl acetate

Concen: 1.762 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005263.D

Acq: 11 Oct 2018 19:33

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 79

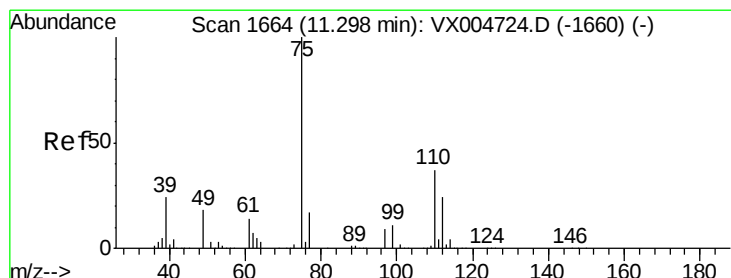
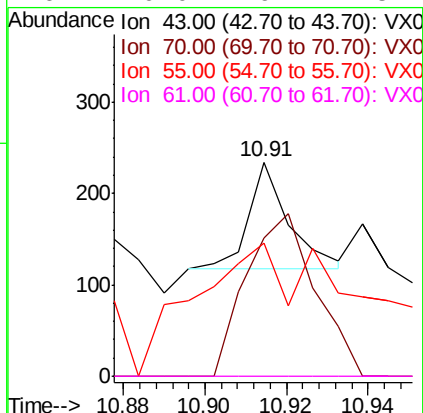
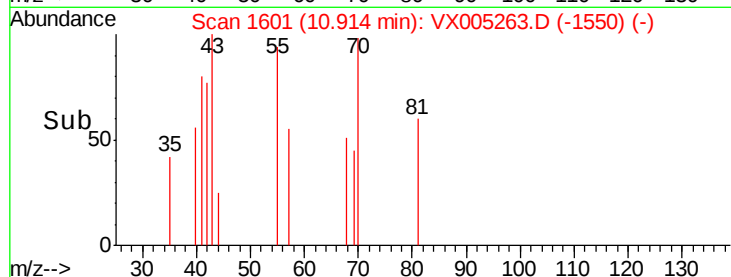
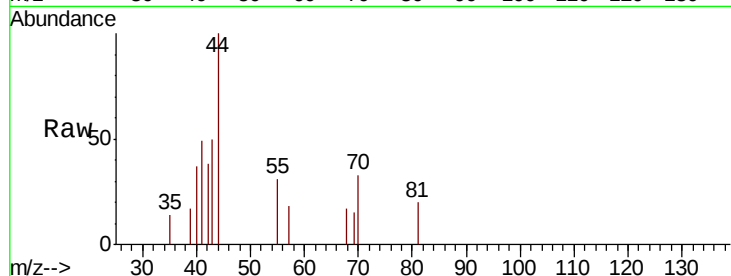
Ion Ratio Lower Upper

43 100

70 264.6 32.6 48.8#

55 317.7 21.6 32.4#

61 0.0 19.1 28.7#



#76

1,2,3-Trichloropropane

Concen: 20.203 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005263.D

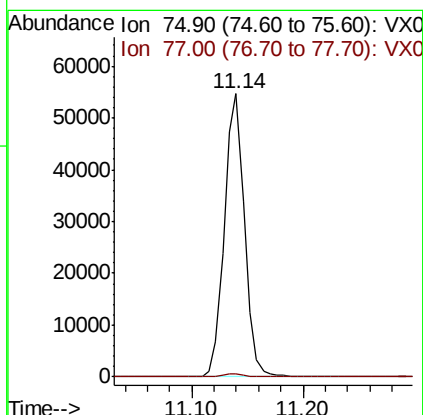
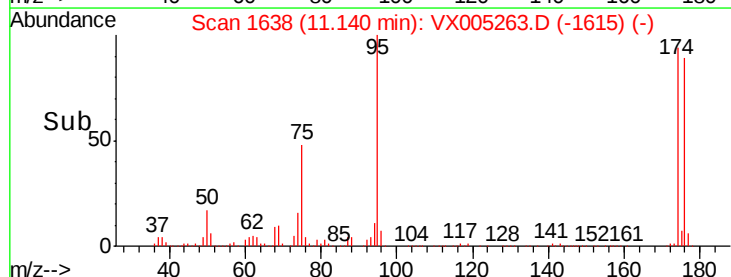
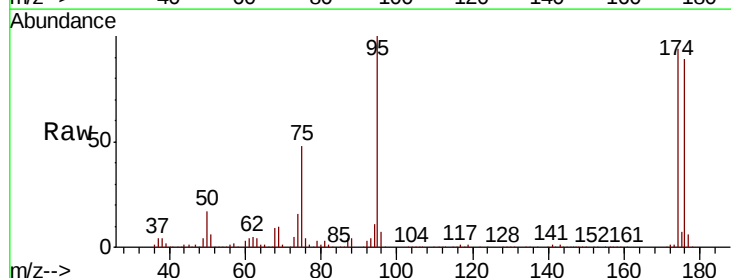
Acq: 11 Oct 2018 19:33

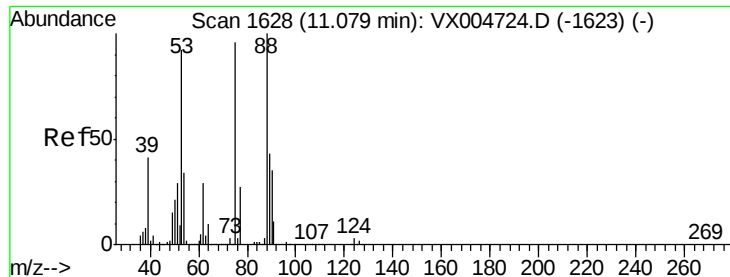
Tgt Ion: 75 Resp: 68274

Ion Ratio Lower Upper

75 100

77 1.4 21.4 64.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 54.898 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005263.D

Acq: 11 Oct 2018 19:33

Instrument :

MSVOA_X

ClientSampleId :

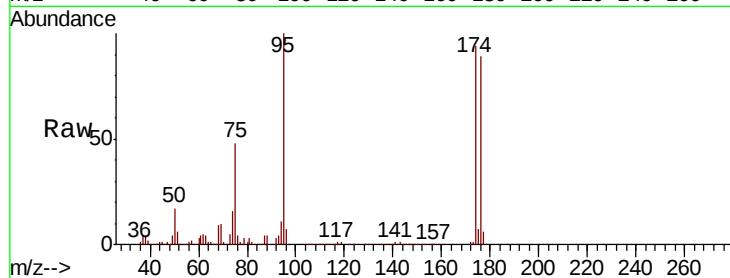
Tot Ion: 75 Resp: 68274

Ion Ratio Lower Upper

75 100

53 0.7 80.2 120.4#

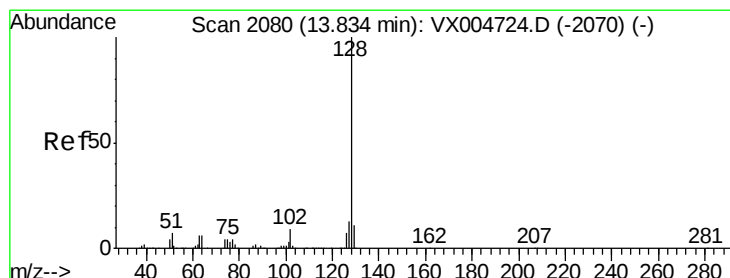
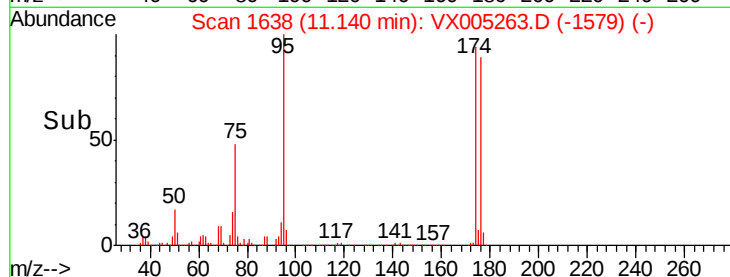
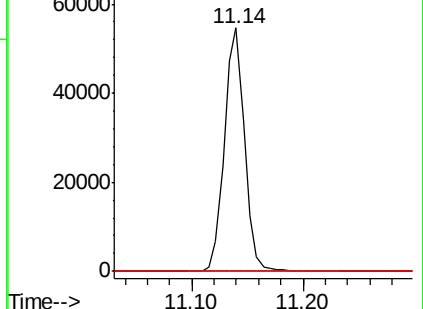
89 0.0 37.1 55.7#



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



#95

Naphthalene

Concen: 0.739 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005263.D

Acq: 11 Oct 2018 19:33

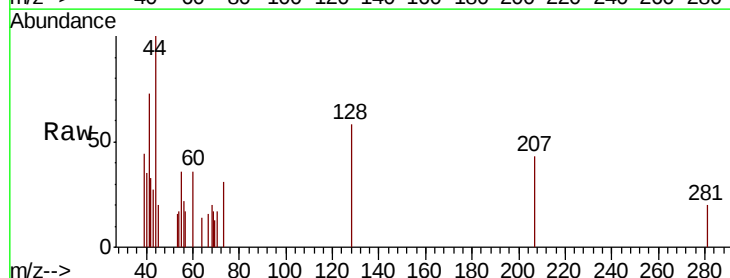
Tgt Ion: 128 Resp: 253

Ion Ratio Lower Upper

128 100

127 7.9 10.4 15.6#

129 0.0 8.7 13.1#



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

