

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040819\
 Data File : VX008744.D
 Acq On : 08 Apr 2019 14:50
 Operator : JC/SP
 Sample : K2295-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW067-190404

Quant Time: Apr 09 06:44:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112885	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	132489	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.50	113	97337	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	8.71	98	395489	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.13	95	130151	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

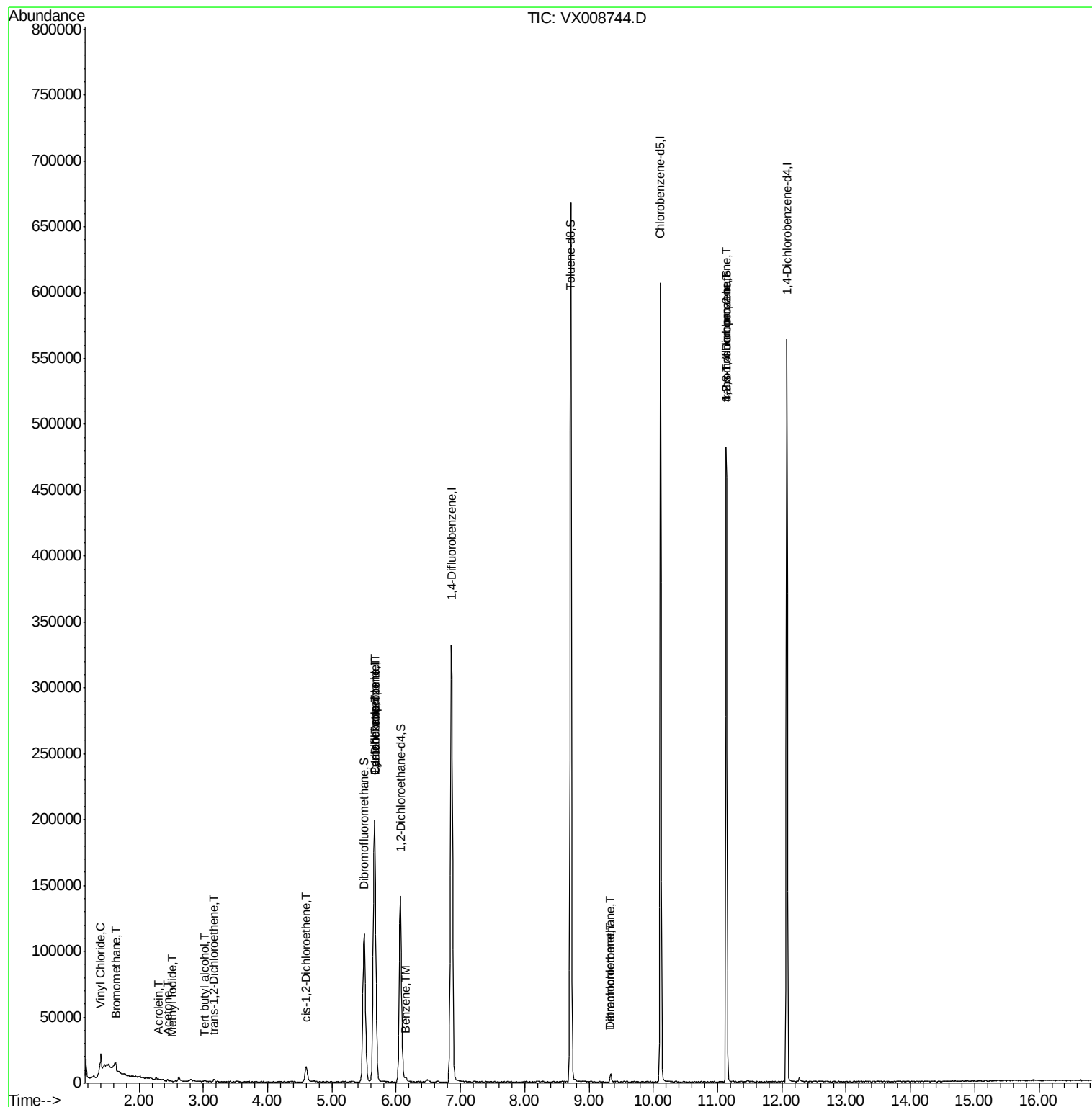
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	421	Below Cal		93
4) Vinyl Chloride	1.40	62	6316	2.121	ug/l #	58
5) Bromomethane	1.64	94	380	2.135	ug/l #	74
10) Methyl Iodide	2.51	142	88	4.045	ug/l #	42
11) Tert butyl alcohol	3.01	59	821	1.257	ug/l #	72
13) Acrolein	2.31	56	136	0.420	ug/l	94
16) Acetone	2.45	43	1031	0.641	ug/l #	72
17) Carbon Disulfide	2.57	76	1203	Below Cal	#	89
21) trans-1,2-Dichloroethene	3.16	96	580	0.242	ug/l	83
27) cis-1,2-Dichloroethene	4.60	96	6987	2.540	ug/l	88
28) Bromochloromethane	5.05	49	20	Below Cal	#	22
31) Cyclohexane	5.67	56	4255	0.882	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15371	4.375	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18310	6.297	ug/l #	18
40) Benzene	6.15	78	2925	0.279	ug/l	91
60) Dibromochloromethane	9.34	129	1192	0.511	ug/l #	11
64) Tetrachloroethene	9.34	164	1187	0.591	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	65362	21.077	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65362	58.101	ug/l #	9

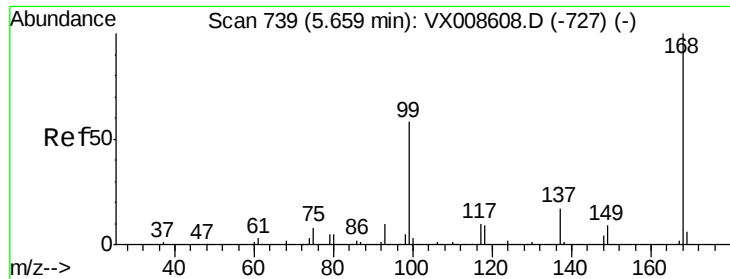
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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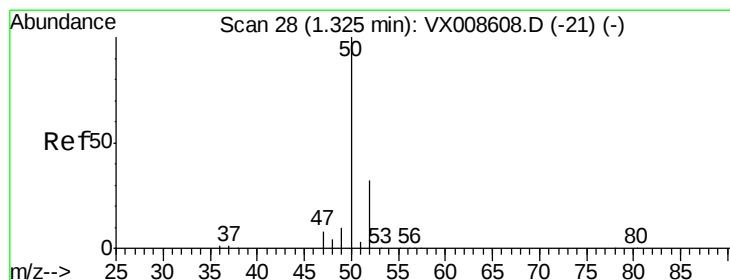
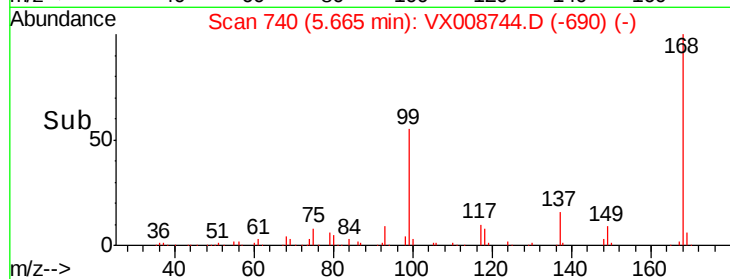
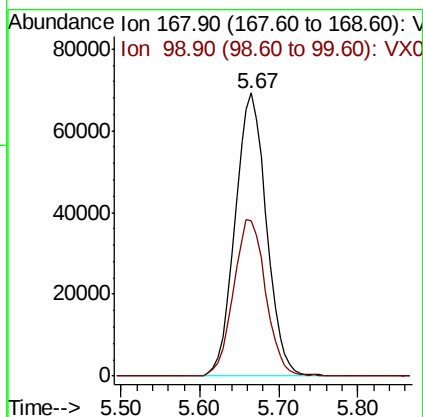
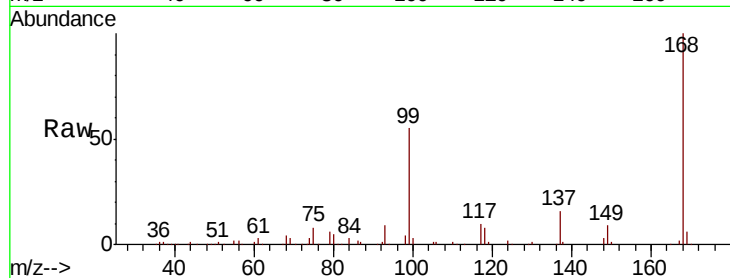




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

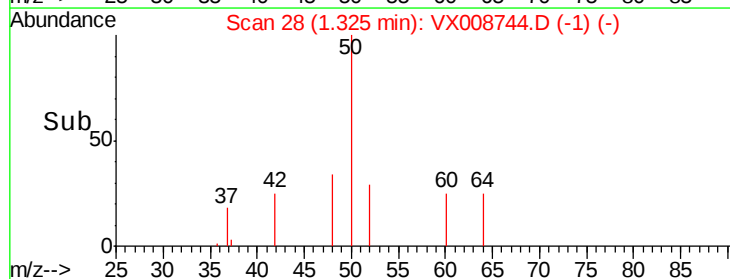
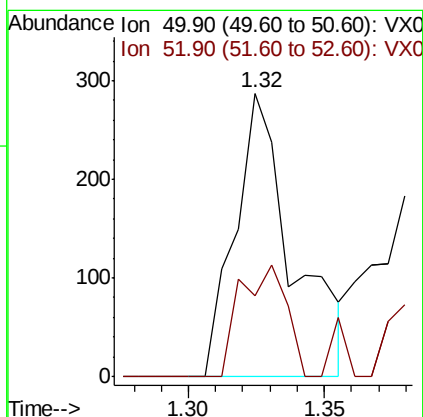
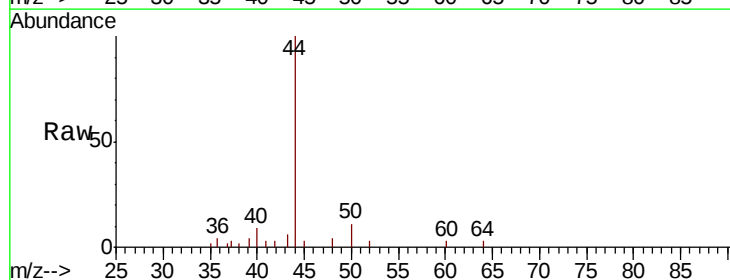
Instrument :
MSVOA_X
ClientSampleId :
KY074MW067-190404

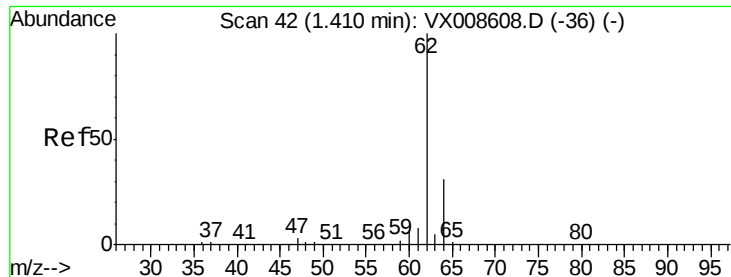
Tot Ion:168 Resp: 191330
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 28.6 25.8 38.8





#4

Vinyl Chloride

Concen: 2.121 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008744.D

Acq: 08 Apr 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

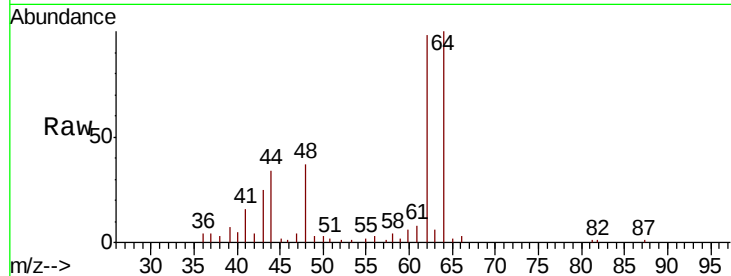
KY074MW067-190404

Tot Ion: 62 Resp: 6316

Ion Ratio Lower Upper

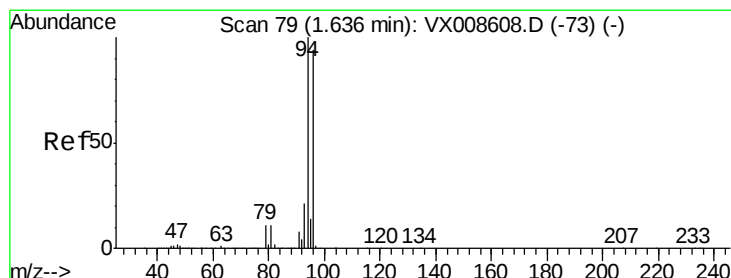
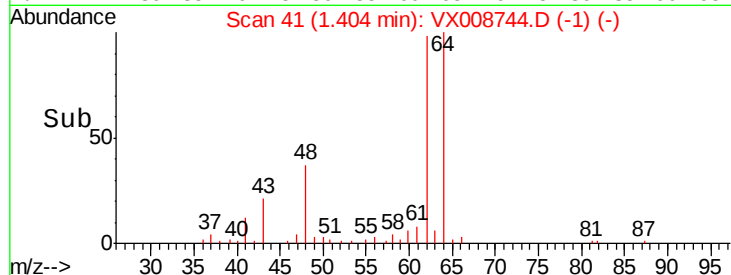
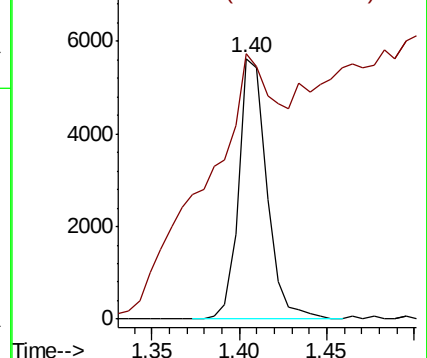
62 100

64 53.9 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 2.135 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008744.D

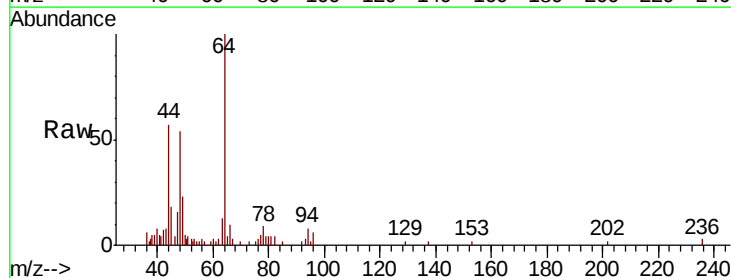
Acq: 08 Apr 2019 14:50

Tgt Ion: 94 Resp: 380

Ion Ratio Lower Upper

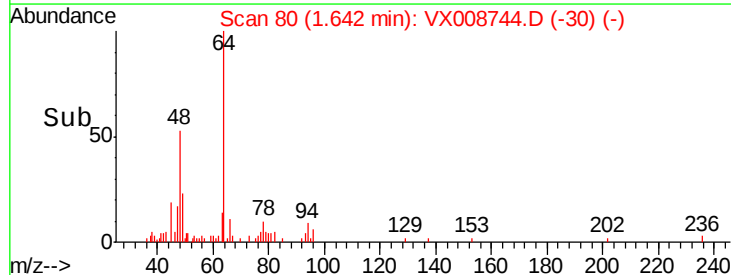
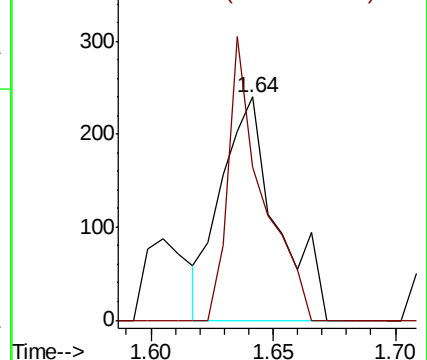
94 100

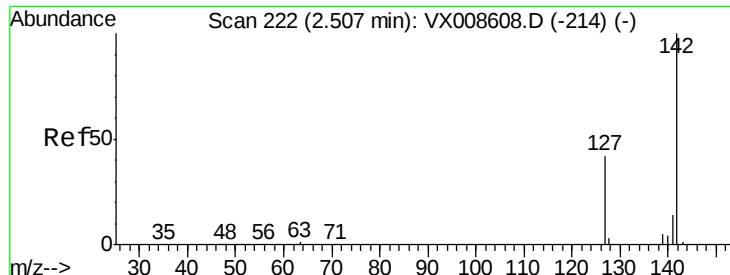
96 68.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

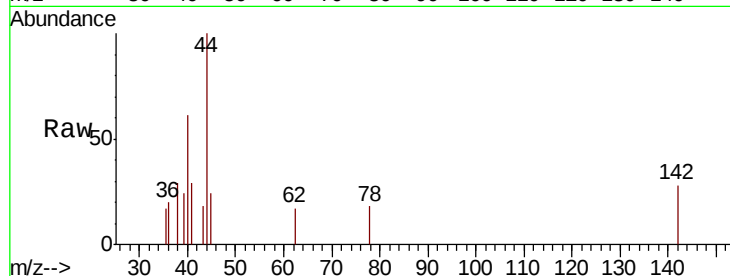




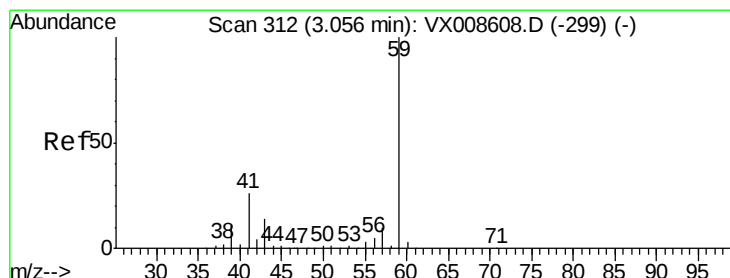
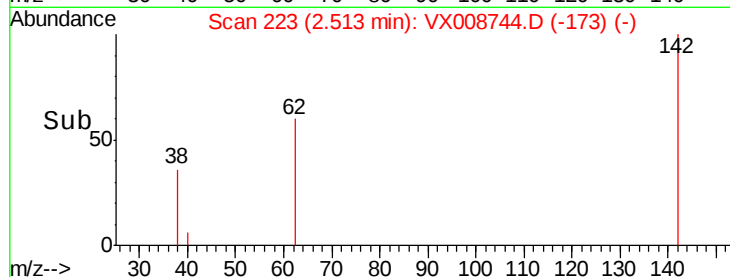
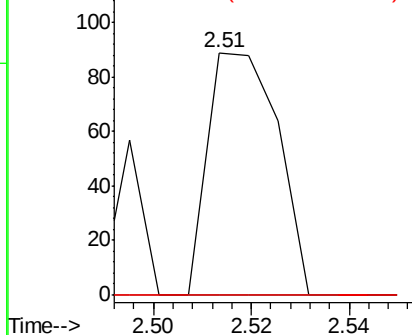
#10
Methvl Iodide
Concen: 4.045 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

Instrument :
MSVOA_X
ClientSampleId :
KY074MW067-190404

Tot Ion:142 Resp: 88
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

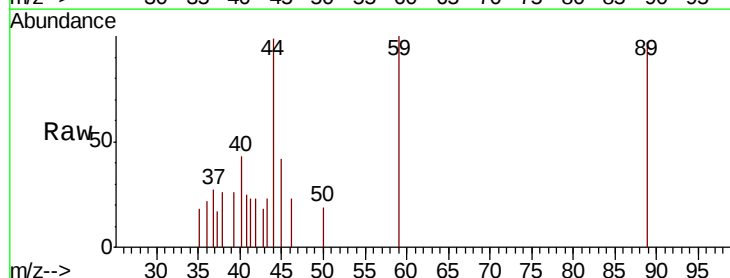


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

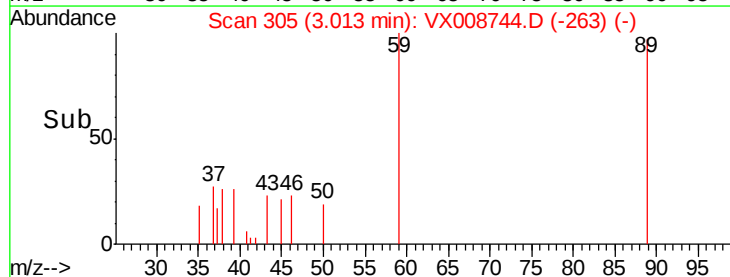
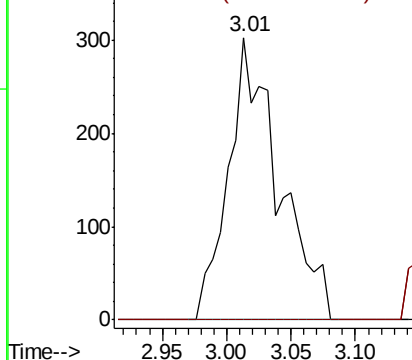


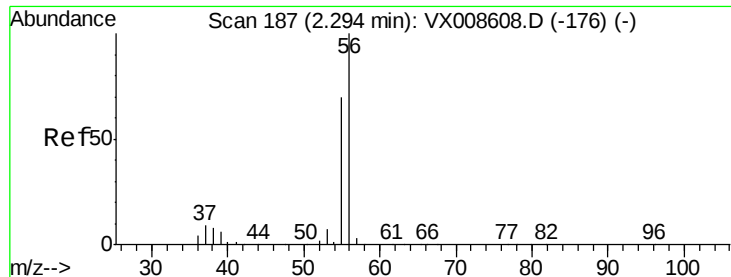
#11
Tert butyl alcohol
Concen: 1.257 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

Tgt Ion: 59 Resp: 821
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.420 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008744.D

Acq: 08 Apr 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

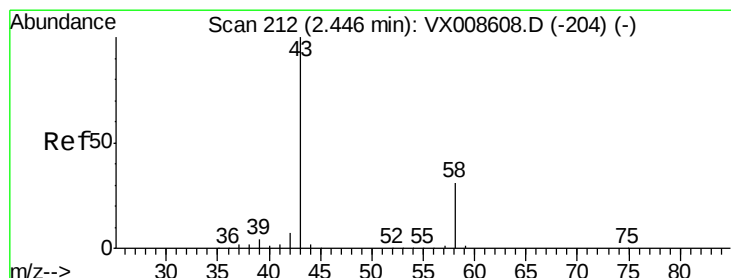
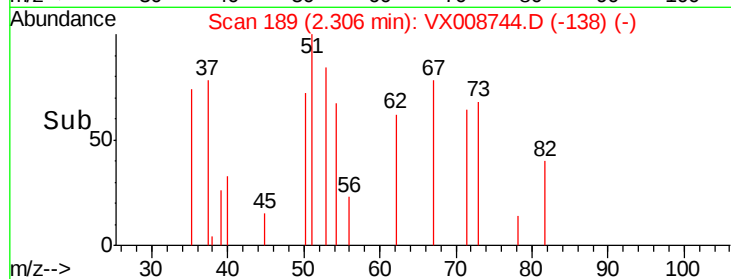
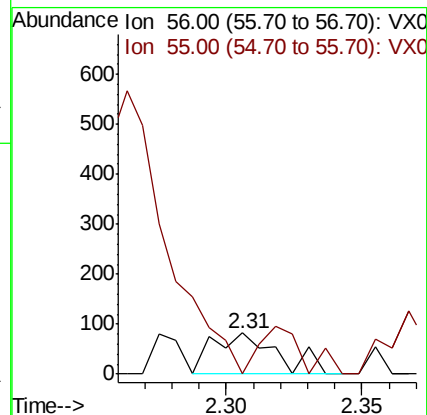
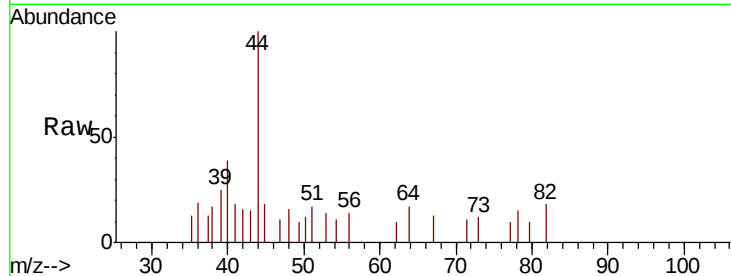
KY074MW067-190404

Tot Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 77.2 58.0 87.0



#16

Acetone

Concen: 0.641 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008744.D

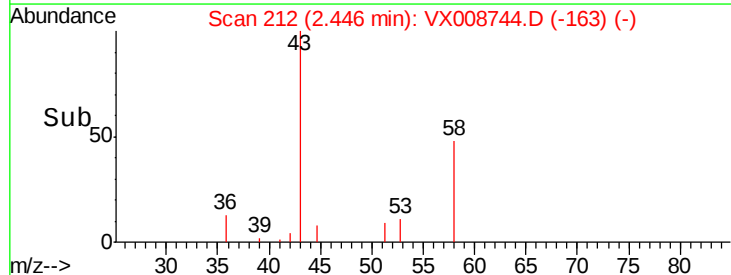
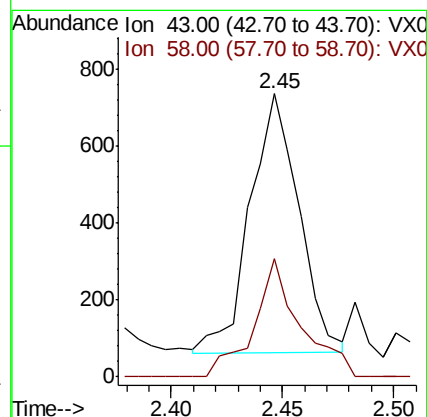
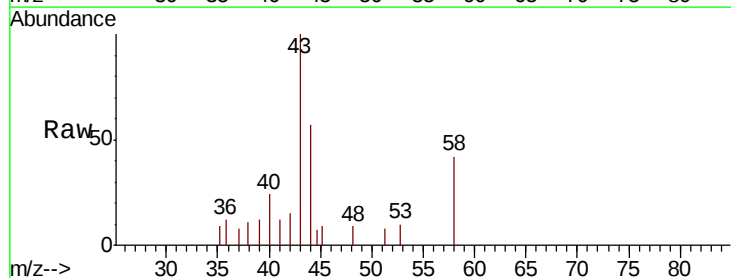
Acq: 08 Apr 2019 14:50

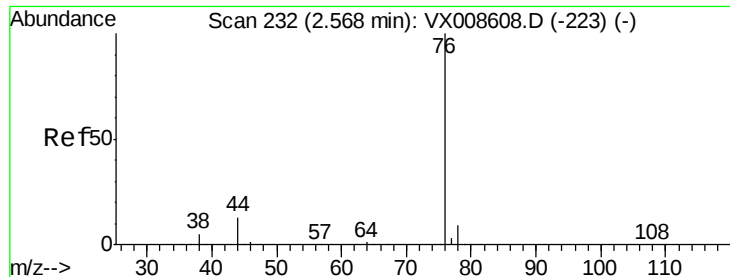
Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

43 100

58 46.3 24.8 37.2#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008744.D

Acq: 08 Apr 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

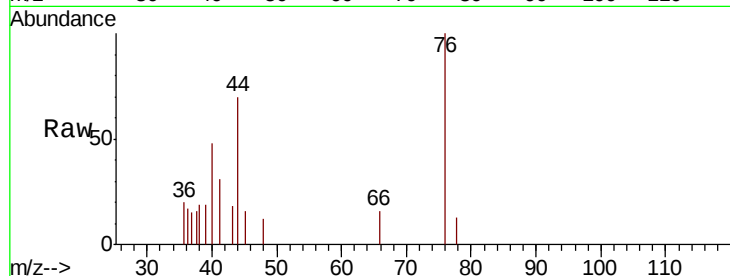
KY074MW067-190404

Tot Ion: 76 Resp: 1203

Ion Ratio Lower Upper

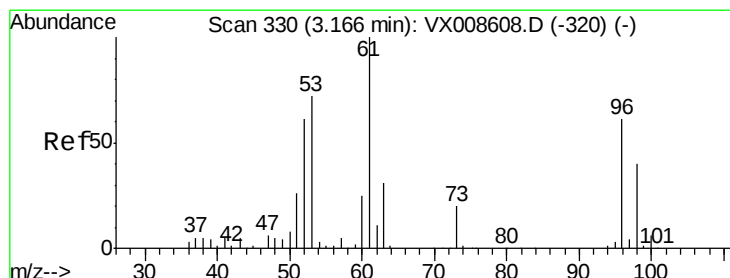
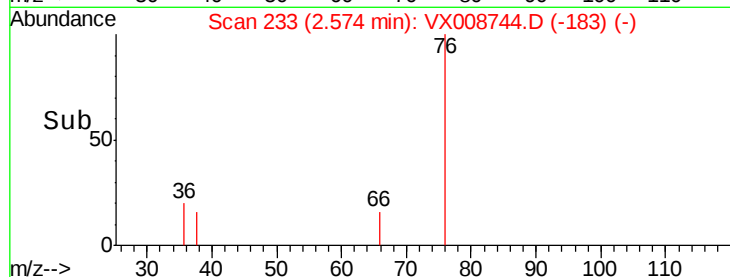
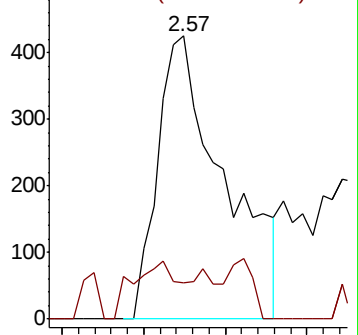
76 100

78 12.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.242 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008744.D

Acq: 08 Apr 2019 14:50

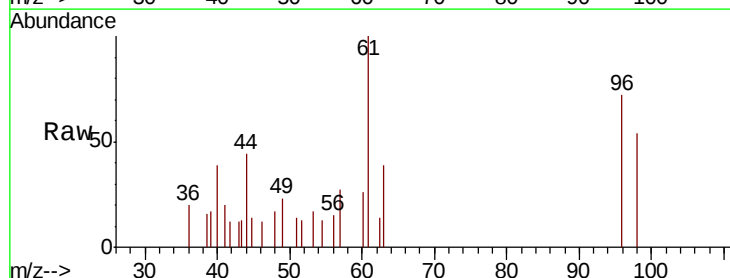
Tgt Ion: 96 Resp: 580

Ion Ratio Lower Upper

96 100

61 139.4 132.1 198.1

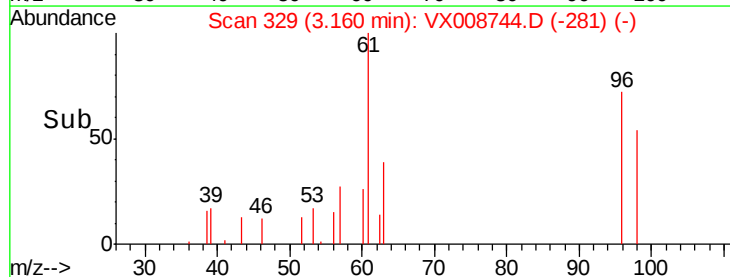
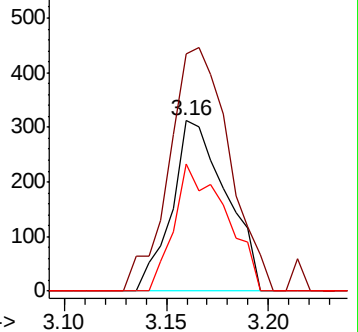
98 74.7 52.2 78.2

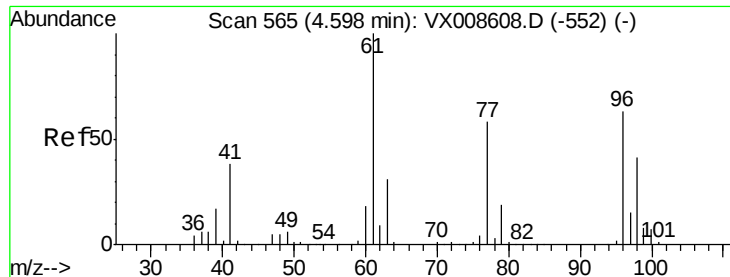


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



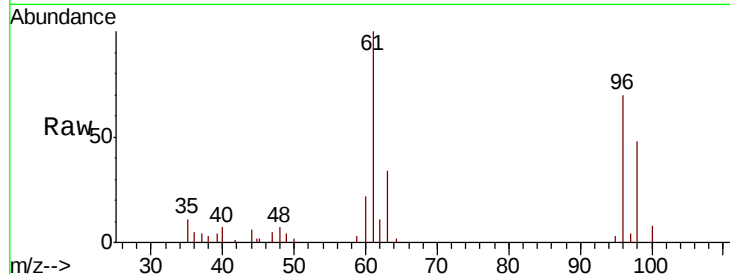


#27

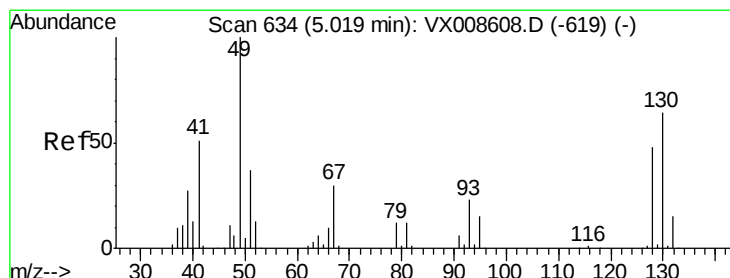
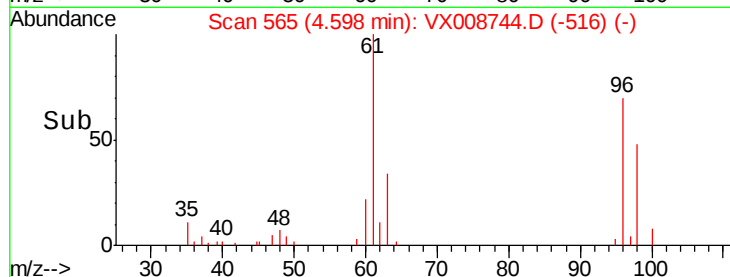
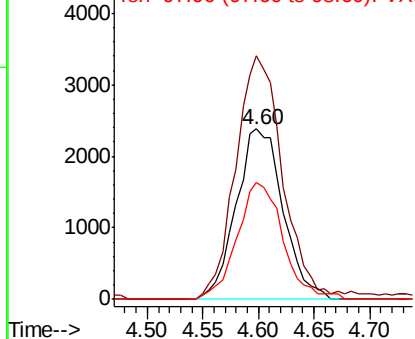
cis-1,2-Dichloroethene
 Concen: 2.540 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW067-190404

Tot Ion: 96 Resp: 6987
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 327.6
 98 66.8 0.0 128.6



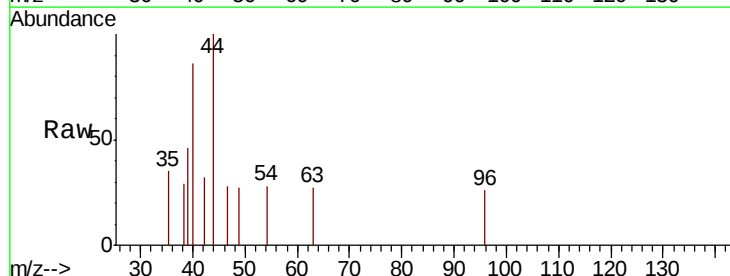
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



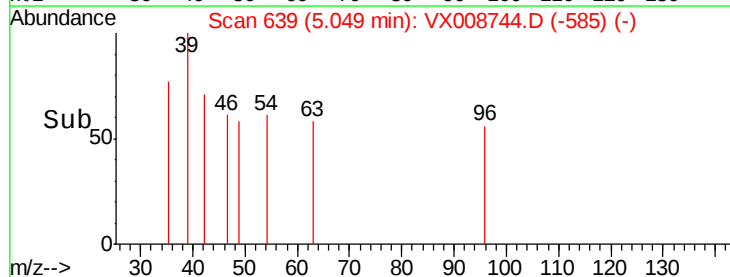
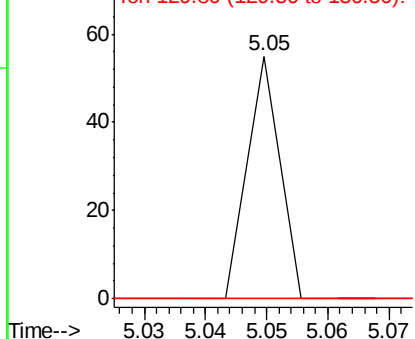
#28

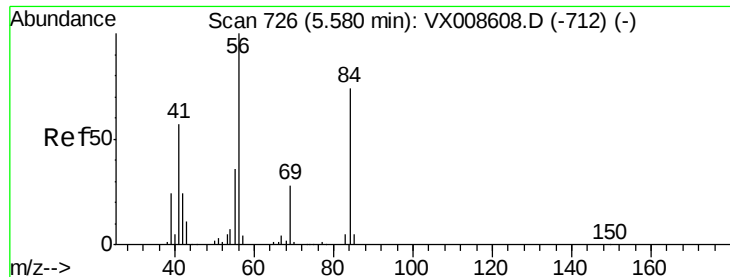
Bromochloromethane
 Concen: Below Cal
 RT: 5.05 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Tgt Ion: 49 Resp: 20
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

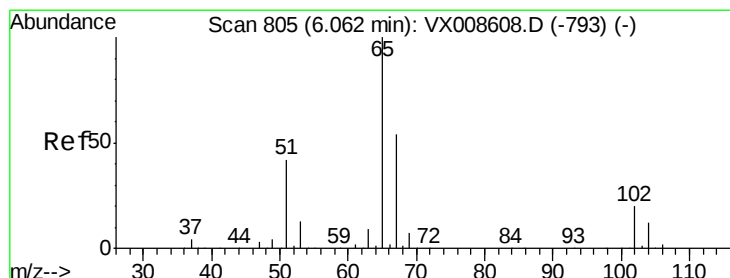
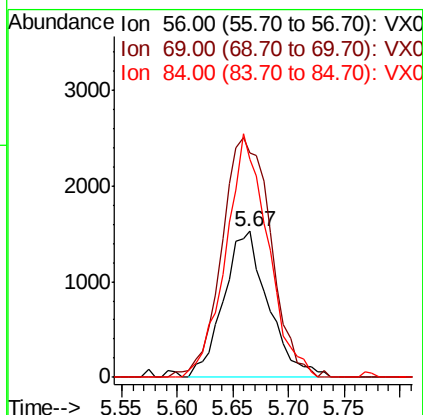
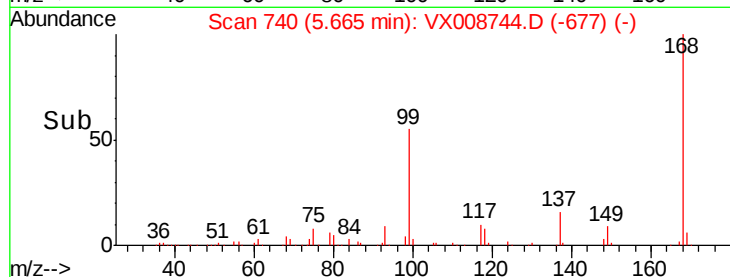
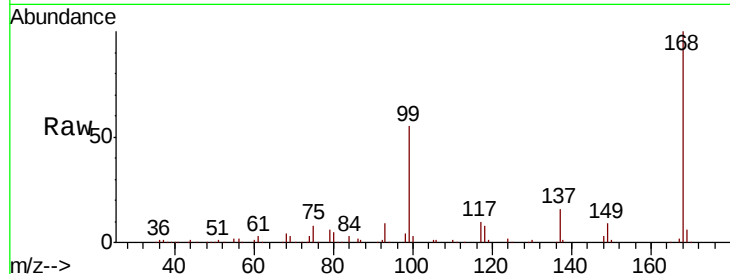




#31
Cyclohexane
Concen: 0.882 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

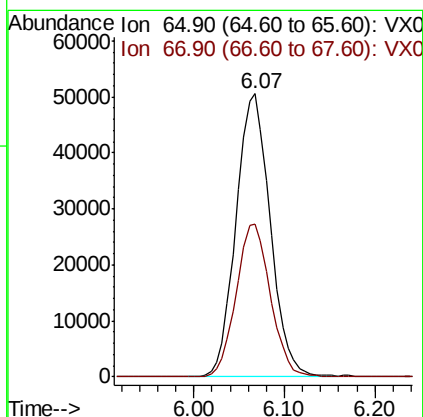
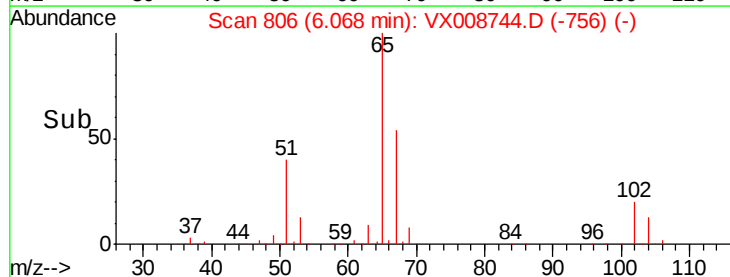
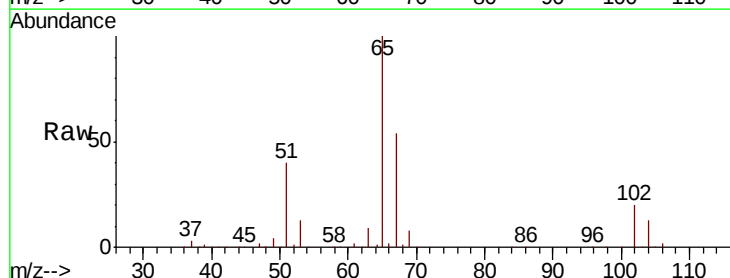
Instrument :
MSVOA_X
ClientSampleId :
KY074MW067-190404

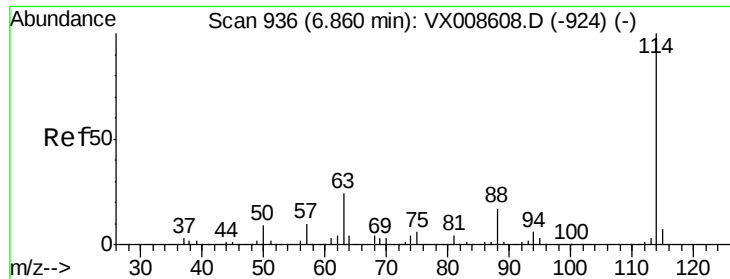
Tot Ion: 56 Resp: 4255
Ion Ratio Lower Upper
56 100
69 153.3 22.6 33.8#
84 149.4 59.3 88.9#



#33
1,2-Dichloroethane-d4
Concen: 47.476 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

Tgt Ion: 65 Resp: 132489
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2

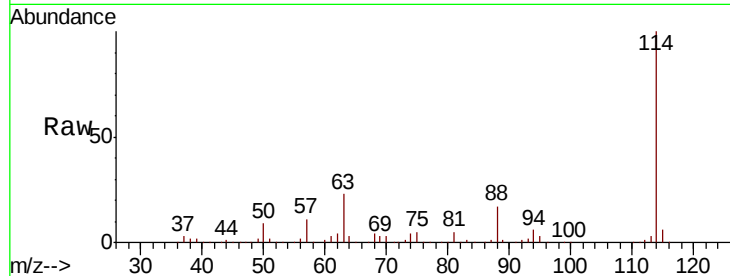




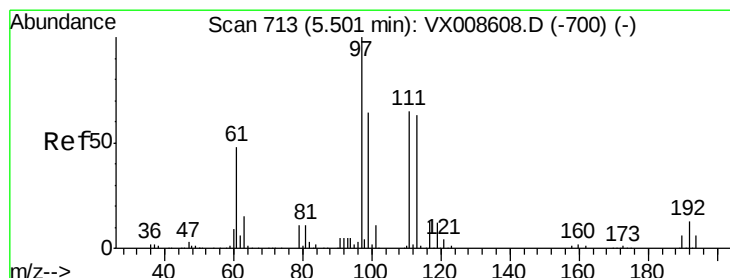
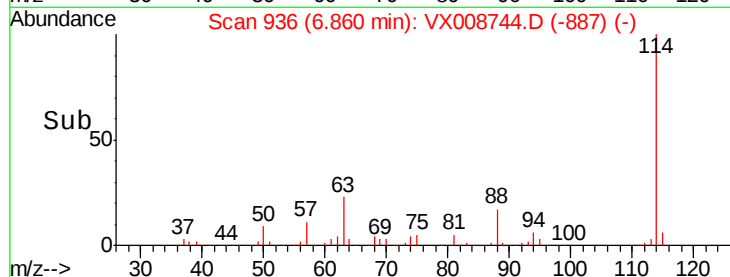
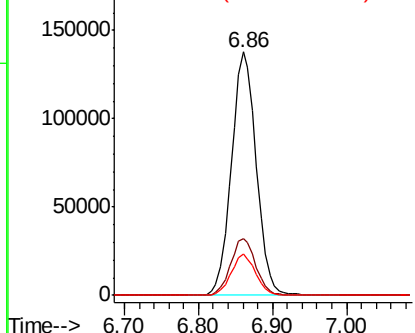
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW067-190404

Tot Ion:114 Resp: 321394
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.2
 88 17.0 0.0 34.0

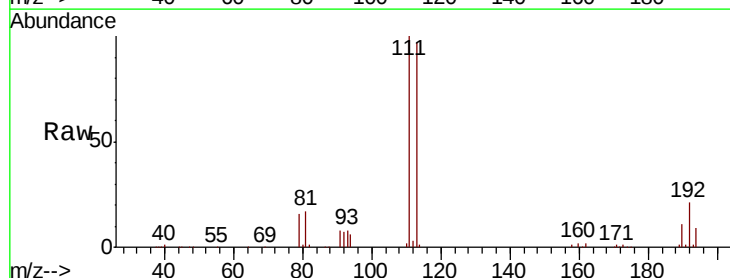


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

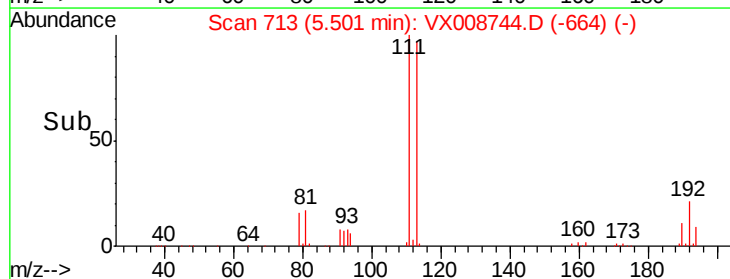
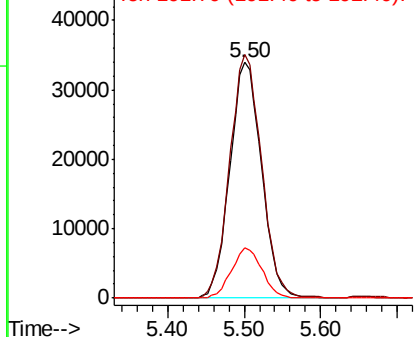


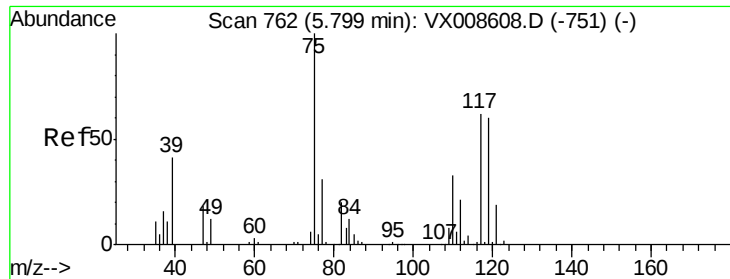
#35
 Dibromofluoromethane
 Concen: 47.369 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Tgt Ion:113 Resp: 97337
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.4 125.2
 192 20.6 16.1 24.1



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

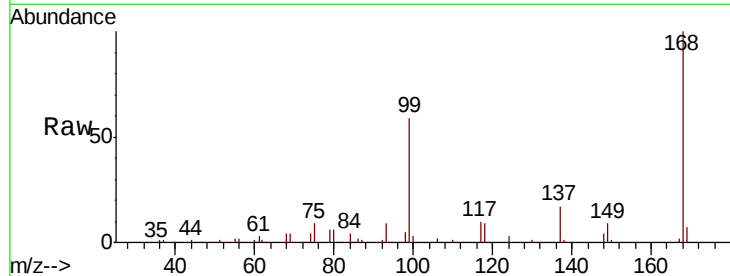




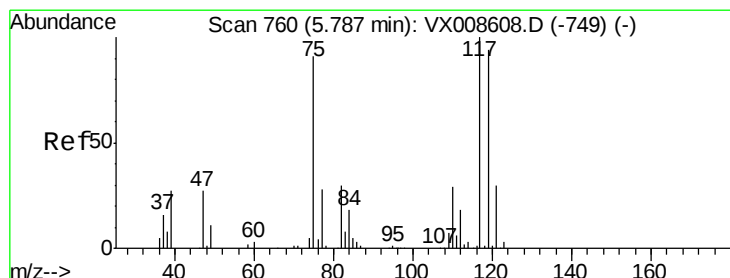
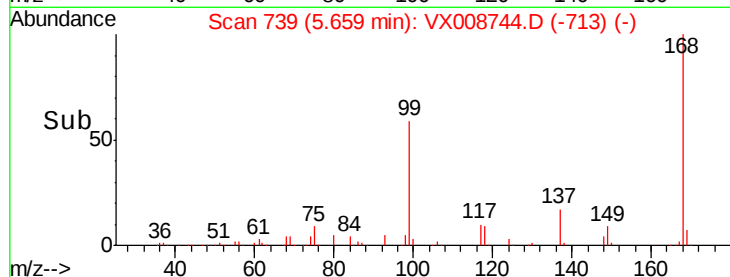
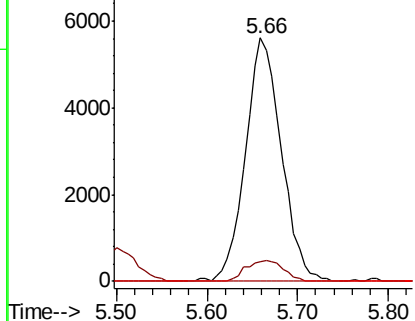
#36
 1,1-Dichloropropene
 Concen: 4.375 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW067-190404

Tot Ion	75	Resp	15371
Ion Ratio	100	Lower	Upper
110	8.8	16.4	49.2#
77	0.0	24.7	37.1#

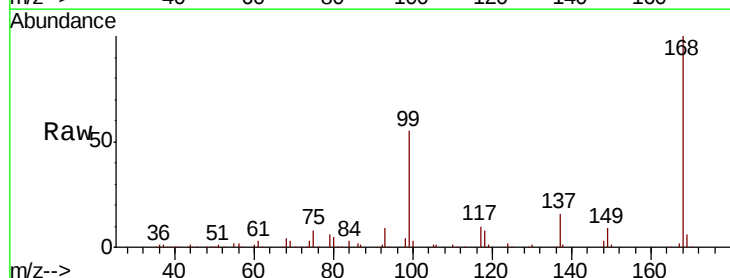


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

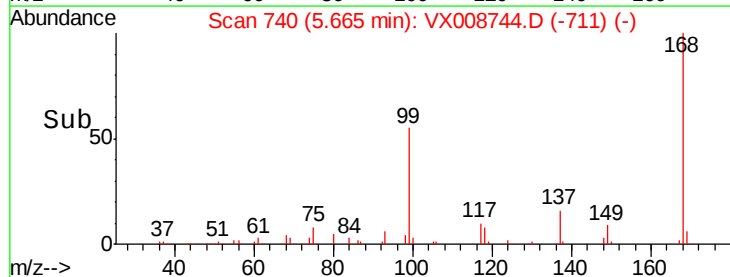
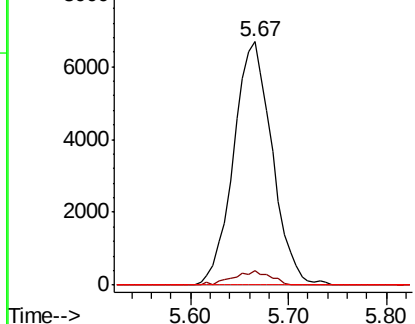


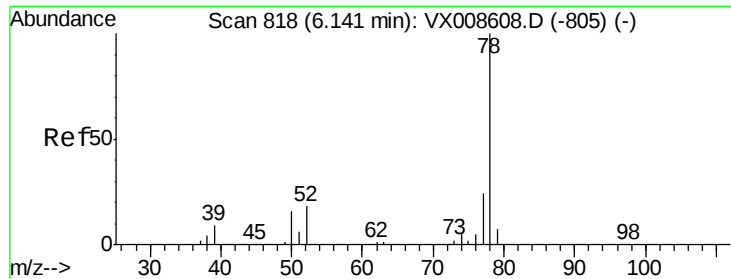
#38
 Carbon Tetrachloride
 Concen: 6.297 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Tgt Ion	117	Resp	18310
Ion Ratio	100	Lower	Upper
119	6.2	75.0	112.6#
121	0.0	24.3	36.5#



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





#40

Benzene

Concen: 0.279 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008744.D

Acq: 08 Apr 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

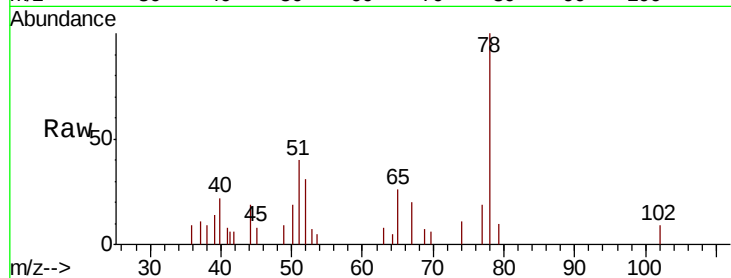
KY074MW067-190404

Tot Ion: 78 Resp: 2925

Ion Ratio Lower Upper

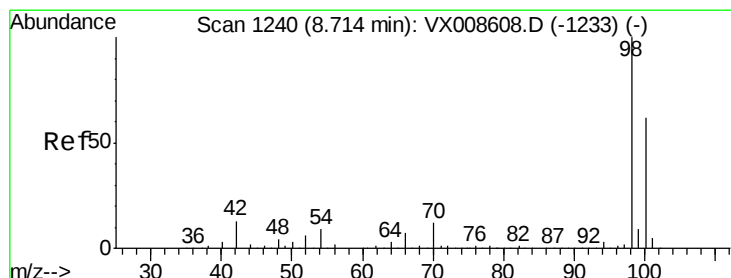
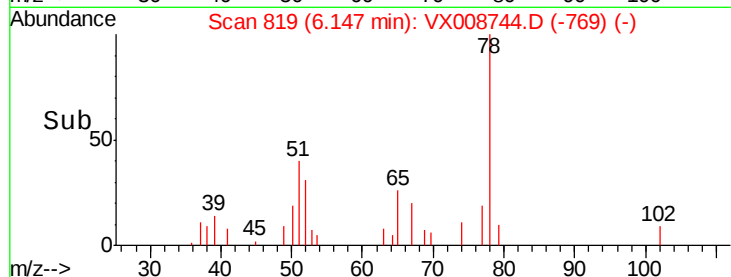
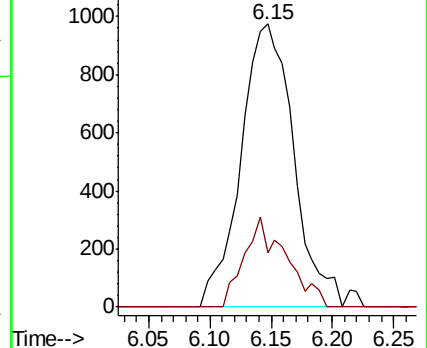
78 100

77 19.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.337 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008744.D

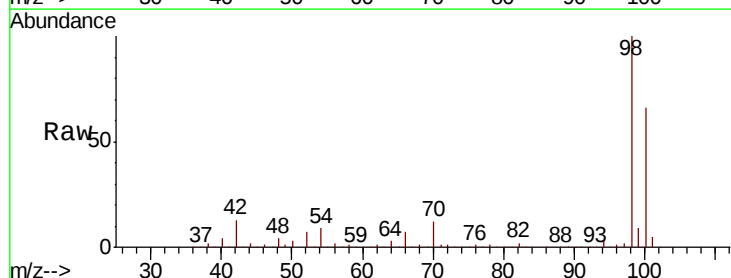
Acq: 08 Apr 2019 14:50

Tgt Ion: 98 Resp: 395489

Ion Ratio Lower Upper

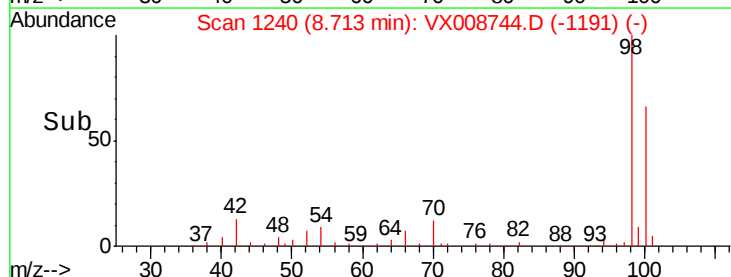
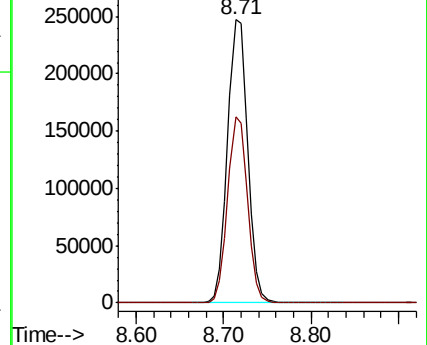
98 100

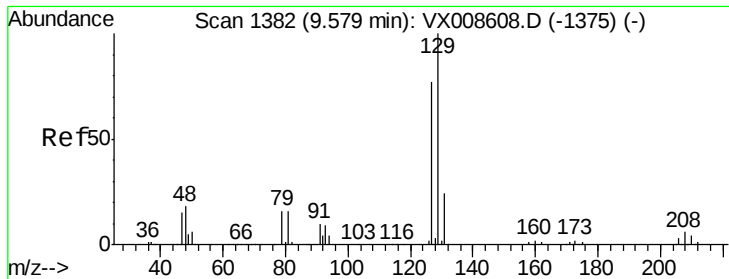
100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

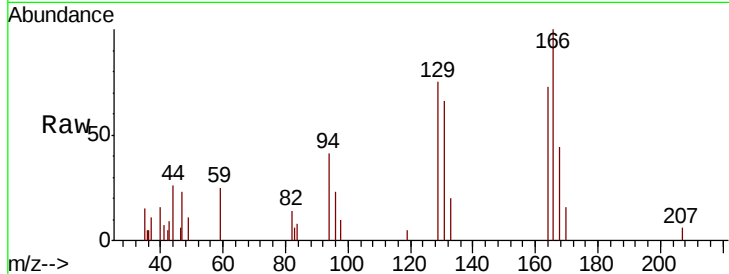




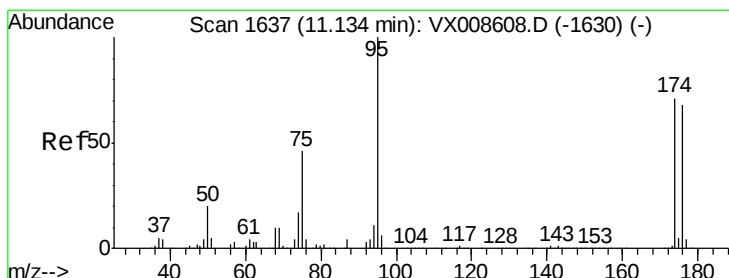
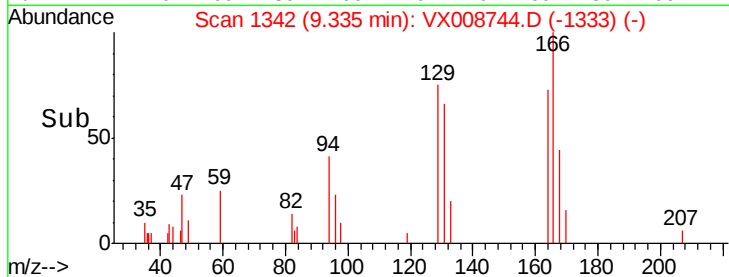
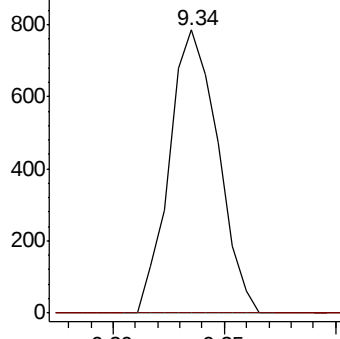
#60
 Dibromochloromethane
 Concen: 0.511 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW067-190404

Tot Ion:129 Resp: 1192
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#

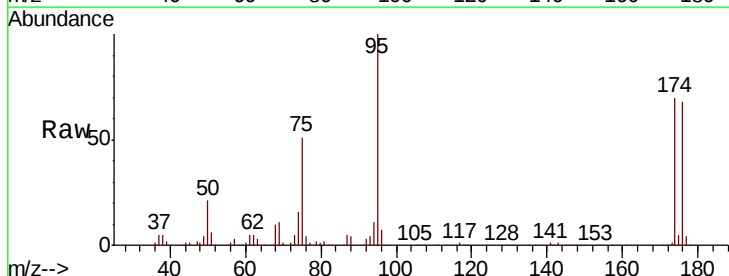


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

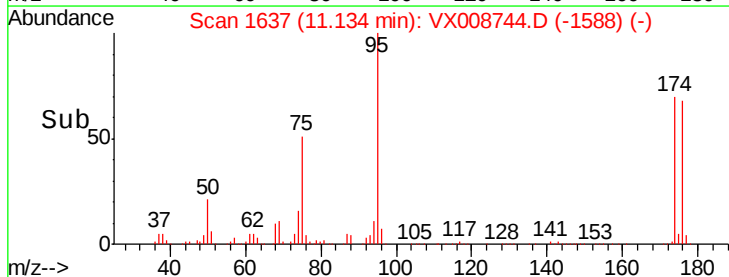
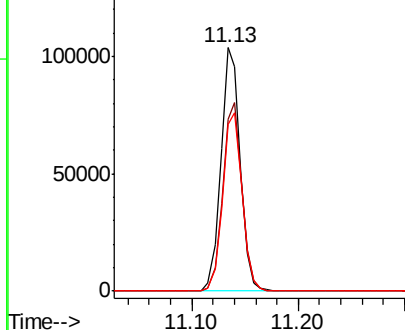


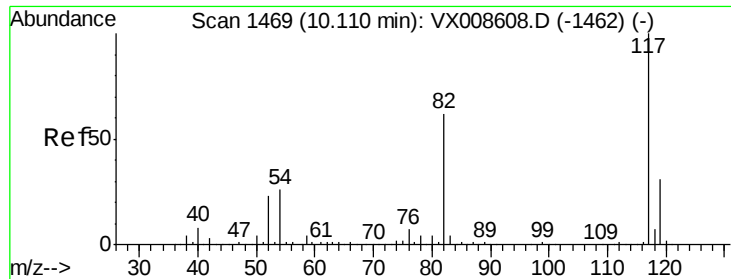
#62
 4-Bromofluorobenzene
 Concen: 44.857 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008744.D
 Acq: 08 Apr 2019 14:50

Tgt Ion: 95 Resp: 130151
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 151.8
 176 74.7 0.0 145.8



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

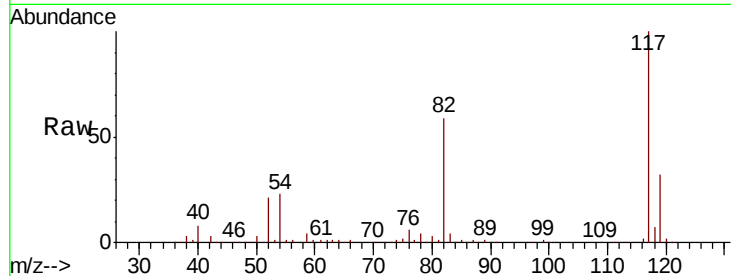




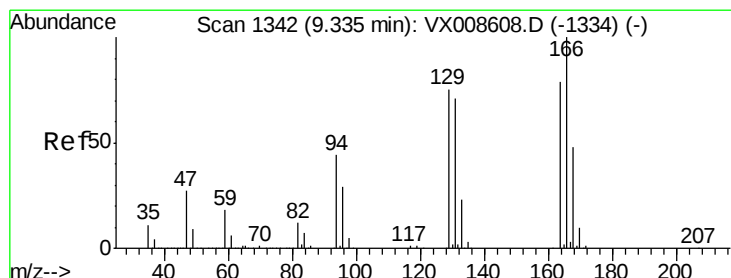
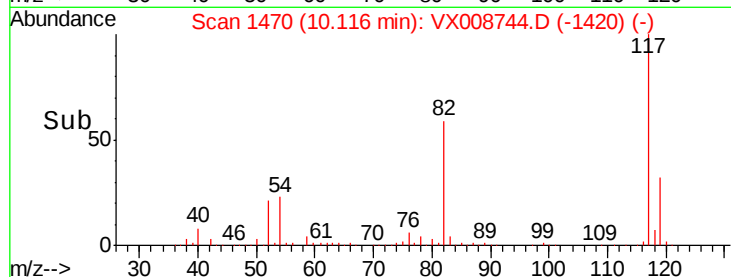
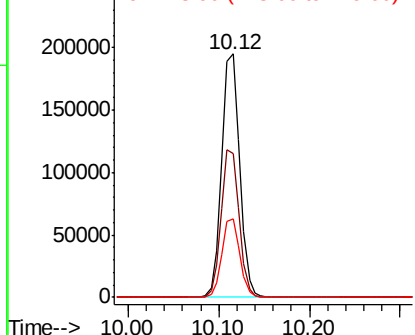
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

Instrument :
MSVOA_X
ClientSampleId :
KY074MW067-190404

Tot Ion:117 Resp: 271189
Ion Ratio Lower Upper
117 100
82 59.3 49.6 74.4
119 32.4 25.0 37.4



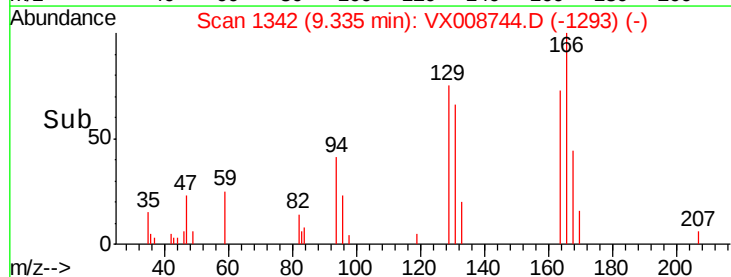
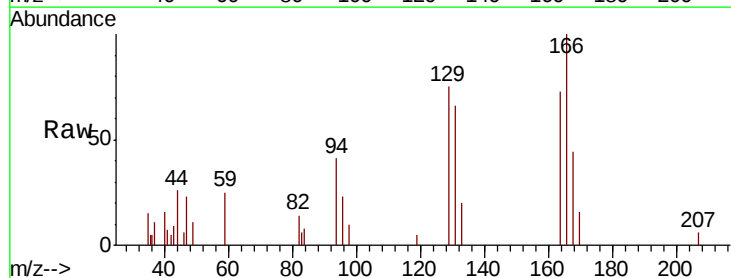
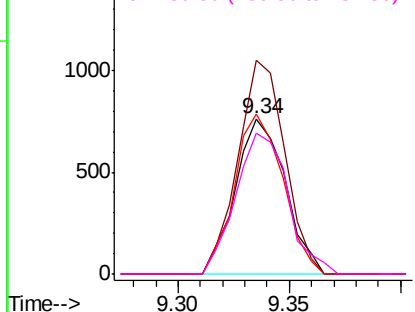
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

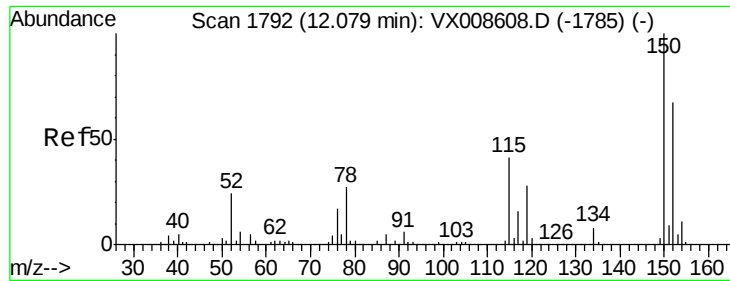


#64
Tetrachloroethene
Concen: 0.591 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008744.D
Acq: 08 Apr 2019 14:50

Tgt Ion:164 Resp: 1187
Ion Ratio Lower Upper
164 100
166 137.4 101.0 151.6
129 102.7 75.8 113.8
131 90.4 71.8 107.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX008744.D

Acq: 08 Apr 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

KY074MW067-190404

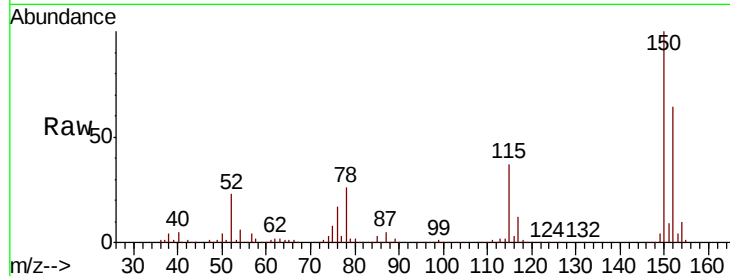
Tot Ion:152 Resp: 112885

Ion Ratio Lower Upper

152 100

115 59.4 43.5 130.5

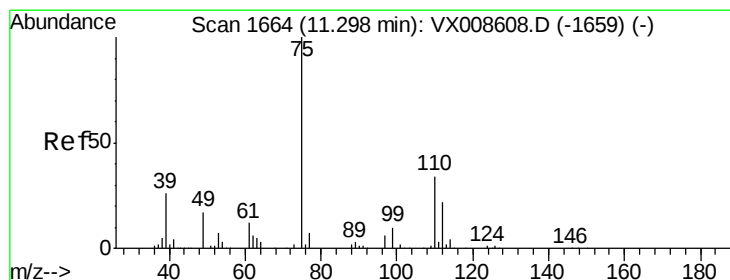
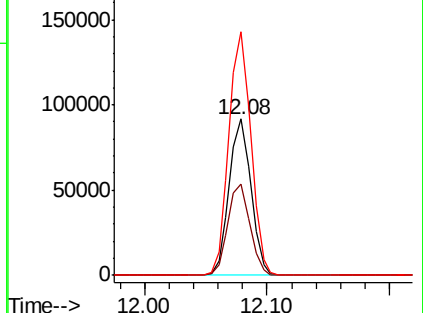
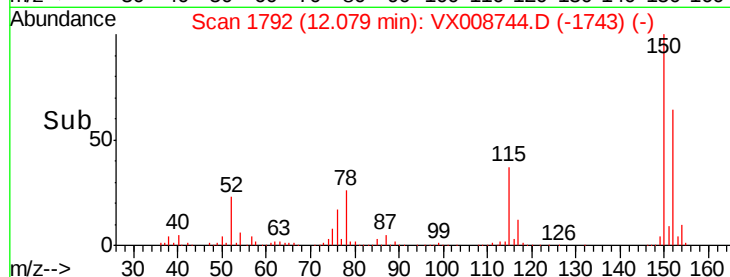
150 157.6 0.0 348.8



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



#76

1,2,3-Trichloropropane

Concen: 21.077 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008744.D

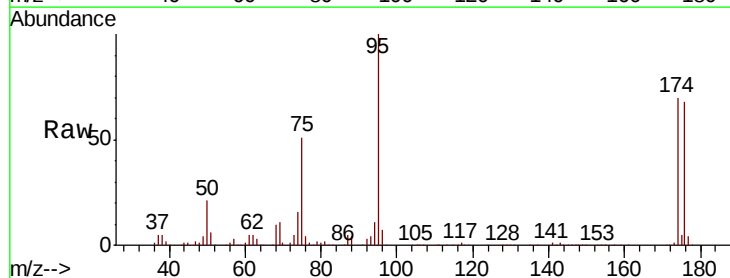
Acq: 08 Apr 2019 14:50

Tgt Ion: 75 Resp: 65362

Ion Ratio Lower Upper

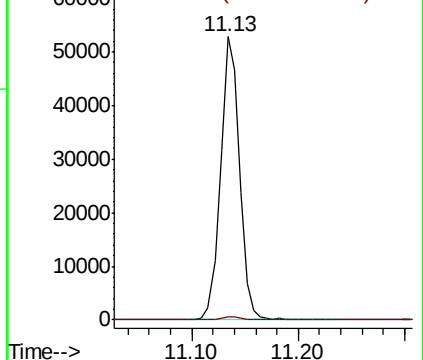
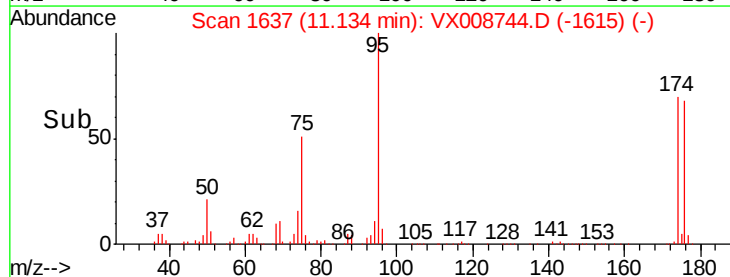
75 100

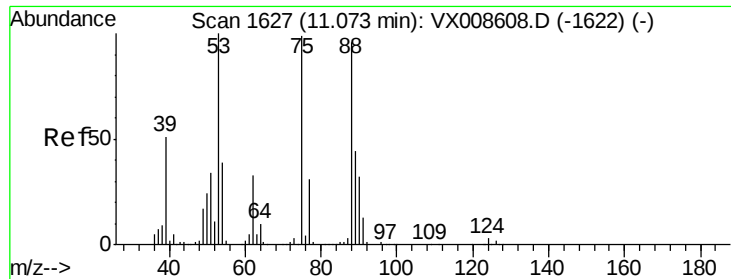
77 1.2 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008744.D

Acq: 08 Apr 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

KY074MW067-190404

Tot Ion: 75 Resp: 65362

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

