

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008515.D
 Acq On : 28 Mar 2019 13:31
 Operator : JC/SP
 Sample : K2115-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-1

Quant Time: Mar 29 01:28:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	234113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	163174	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	5.50	113	119516	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
50) Toluene-d8	8.71	98	491356	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.13	95	169040	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

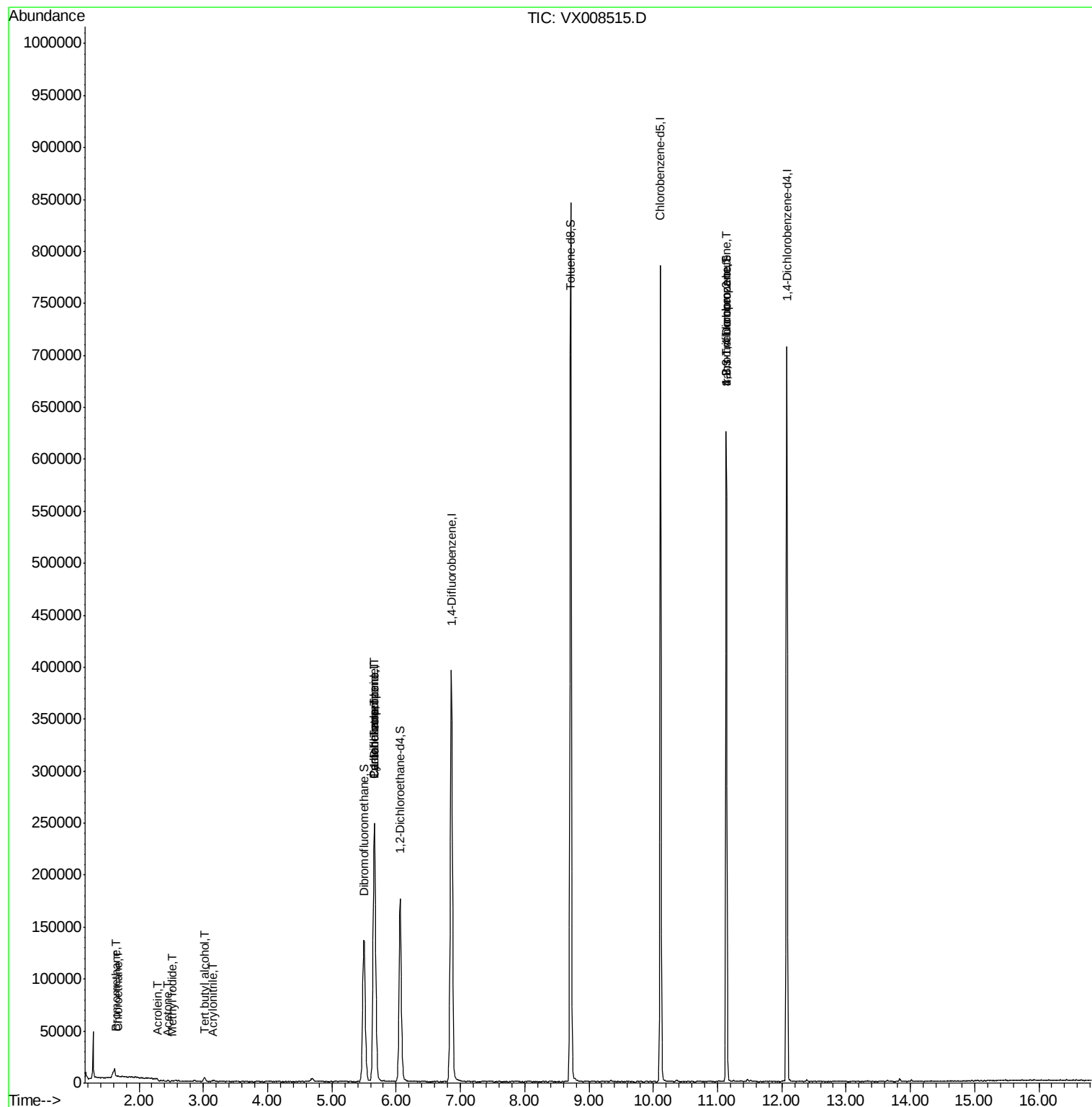
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	469	Below Cal		93
5) Bromomethane	1.64	94	584	2.086	ug/l	86
6) Chloroethane	1.67	64	3465	1.518	ug/l #	50
10) Methyl Iodide	2.51	142	609	4.347	ug/l #	78
11) Tert butyl alcohol	3.01	59	2540	3.230	ug/l #	72
13) Acrolein	2.29	56	274	0.480	ug/l #	14
15) Acrylonitrile	3.14	53	732	0.355	ug/l #	92
16) Acetone	2.44	43	785	0.423	ug/l	90
17) Carbon Disulfide	2.57	76	1763	Below Cal	#	92
20) Methylene Chloride	2.85	84	548	Below Cal	#	76
21) trans-1,2-Dichloroethene	3.17	96	221	Below Cal	#	73
31) Cyclohexane	5.66	56	5540	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20010	4.815	ug/l #	47
38) Carbon Tetrachloride	5.66	117	23063	6.650	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	86048	20.191	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86048	64.668	ug/l #	9

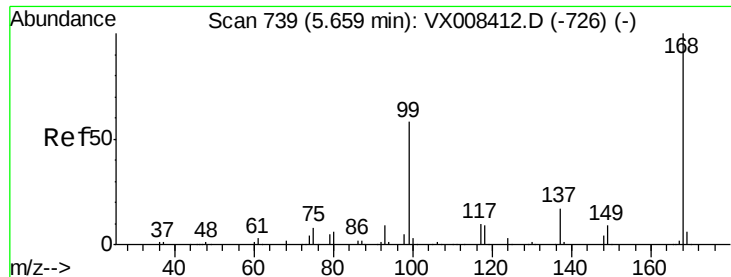
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008515.D

Acq: 28 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

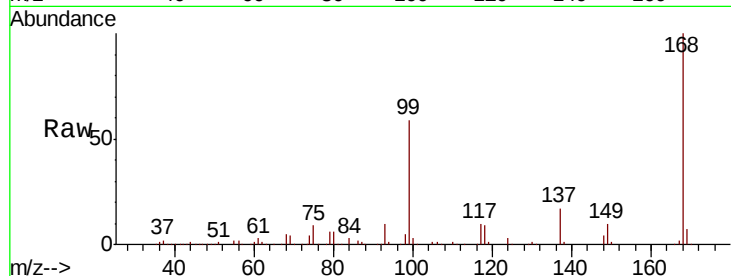
QNWP8-TRIP-BLANK-1

Tot Ion:168 Resp: 234113

Ion Ratio Lower Upper

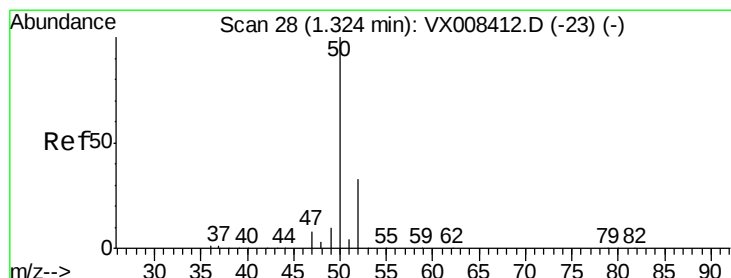
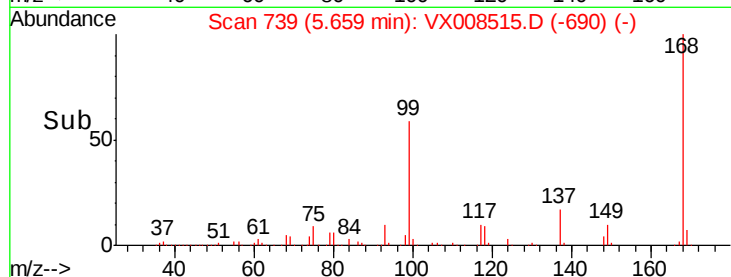
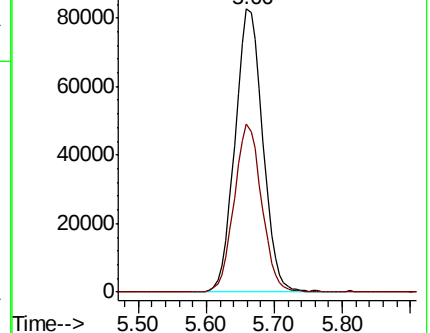
168 100

99 59.4 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008515.D

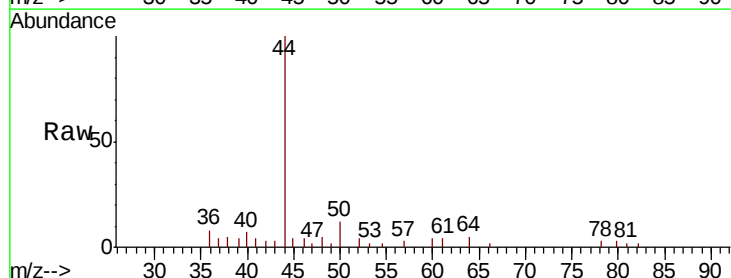
Acq: 28 Mar 2019 13:31

Tgt Ion: 50 Resp: 469

Ion Ratio Lower Upper

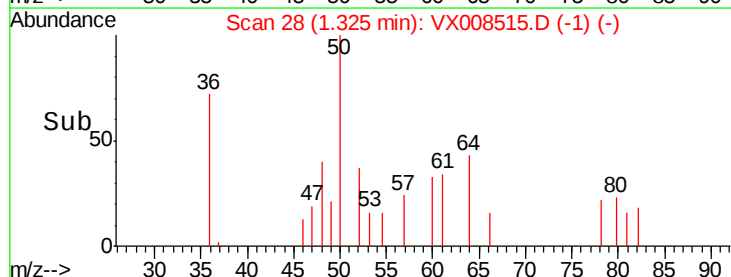
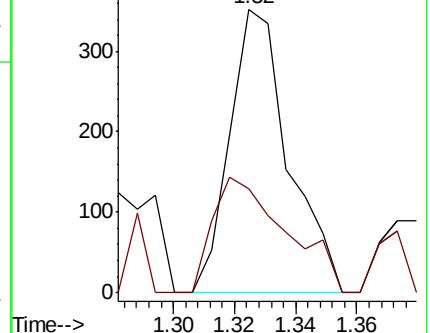
50 100

52 36.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.086 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008515.D

Acq: 28 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

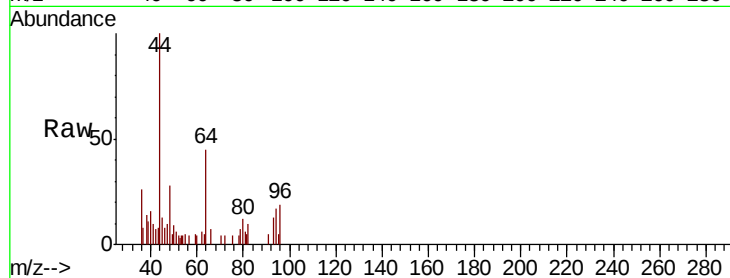
QNWP8-TRIP-BLANK-1

Tot Ion: 94 Resp: 584

Ion Ratio Lower Upper

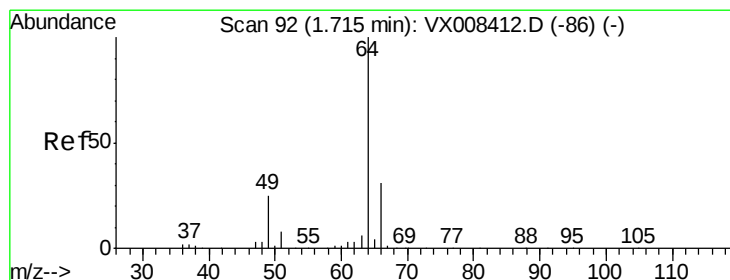
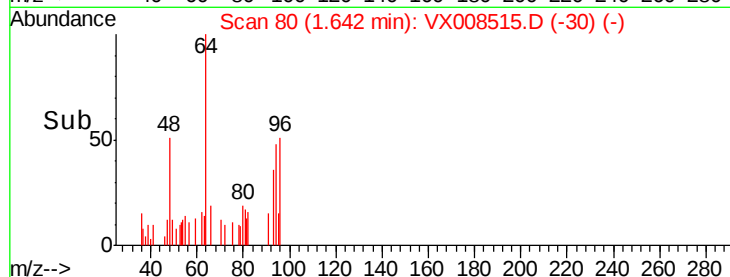
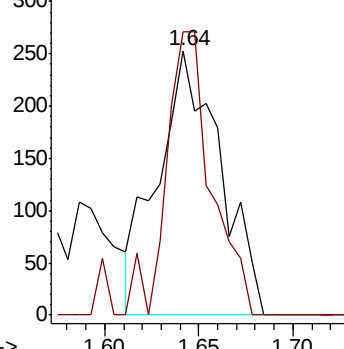
94 100

96 107.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.518 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX008515.D

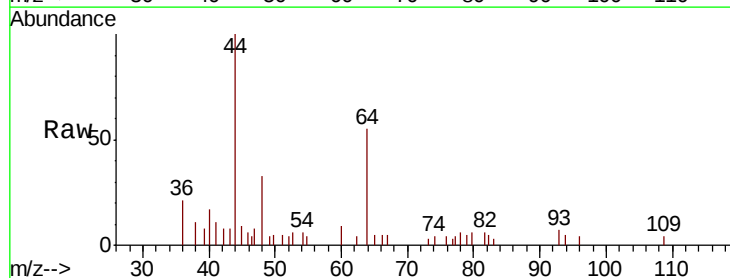
Acq: 28 Mar 2019 13:31

Tgt Ion: 64 Resp: 3465

Ion Ratio Lower Upper

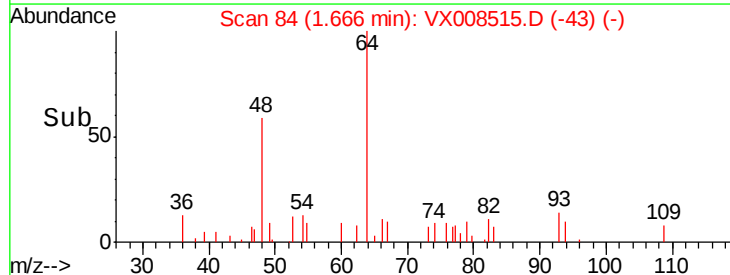
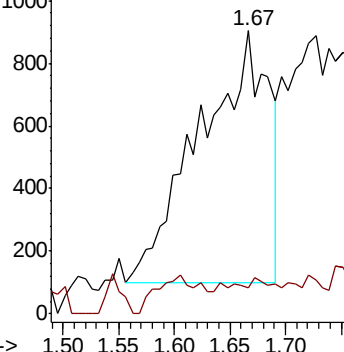
64 100

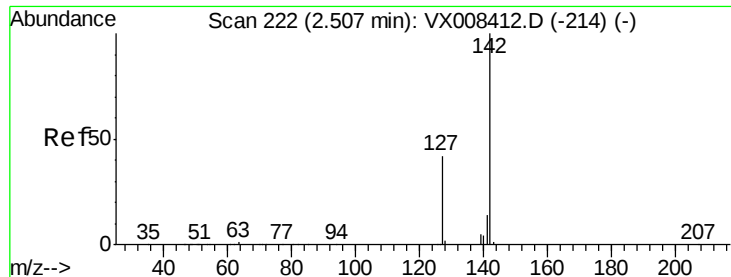
66 3.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

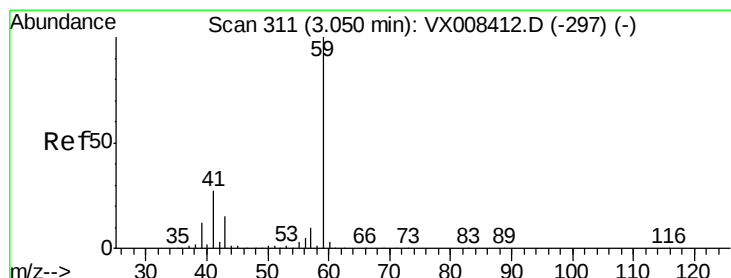
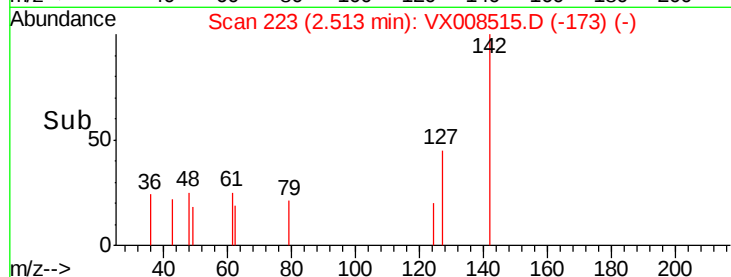
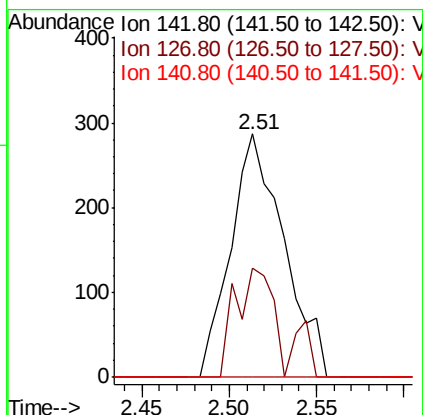
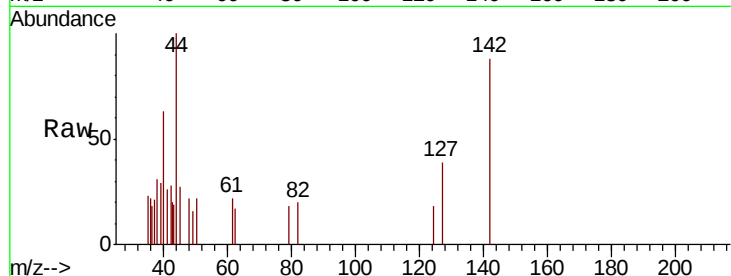




#10
Methvl Iodide
Concen: 4.347 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

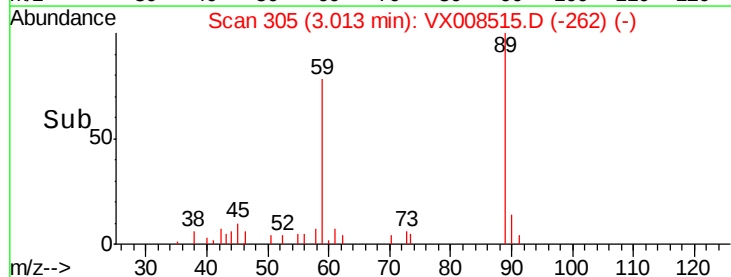
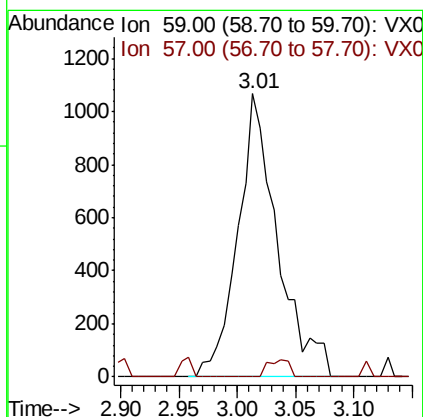
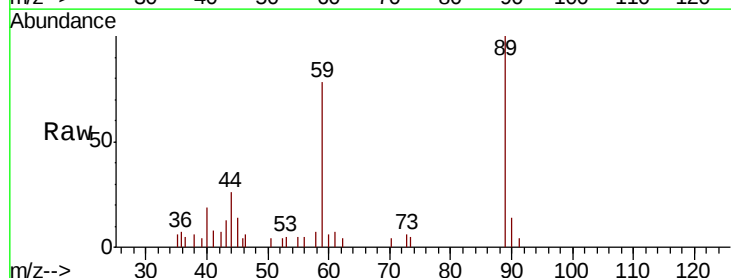
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

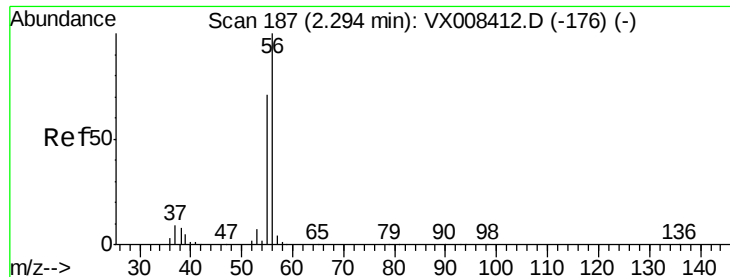
Tot Ion:142 Resp: 609
Ion Ratio Lower Upper
142 100
127 31.0 33.6 50.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.230 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Tgt Ion: 59 Resp: 2540
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.480 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008515.D

Acq: 28 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

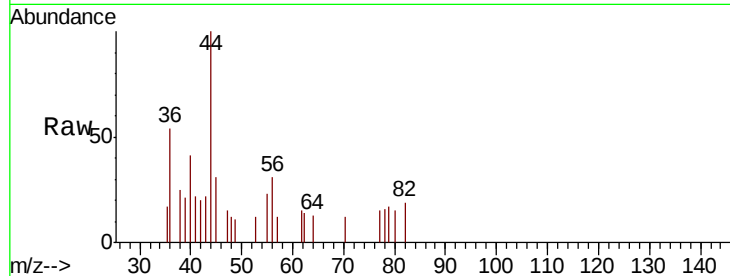
QNWP8-TRIP-BLANK-1

Tot Ion: 56 Resp: 274

Ion Ratio Lower Upper

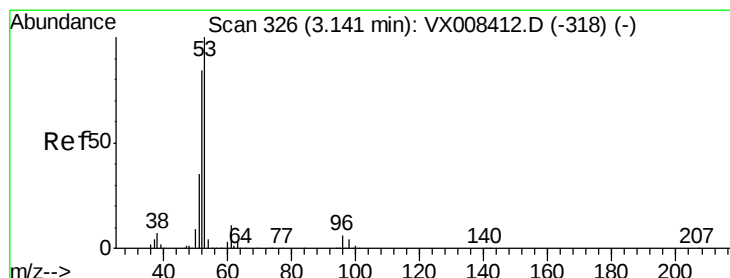
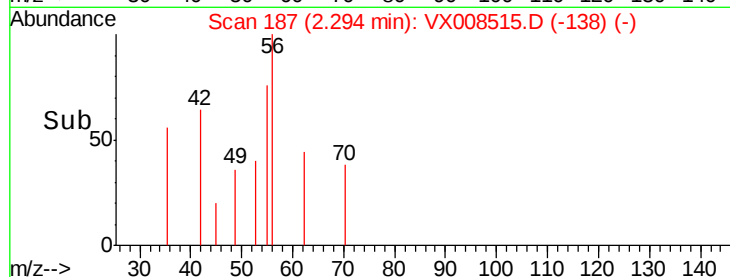
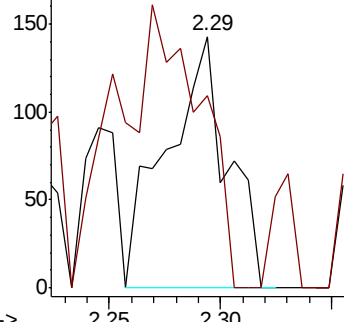
56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.355 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008515.D

Acq: 28 Mar 2019 13:31

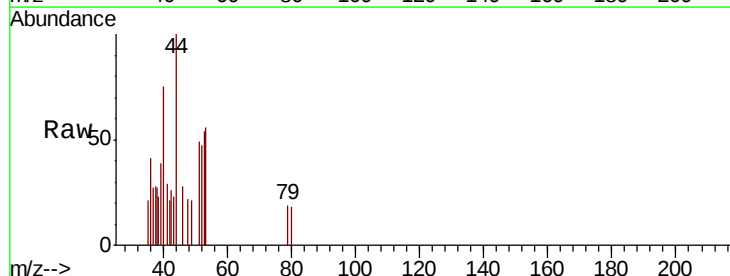
Tgt Ion: 53 Resp: 732

Ion Ratio Lower Upper

53 100

52 86.1 66.5 99.7

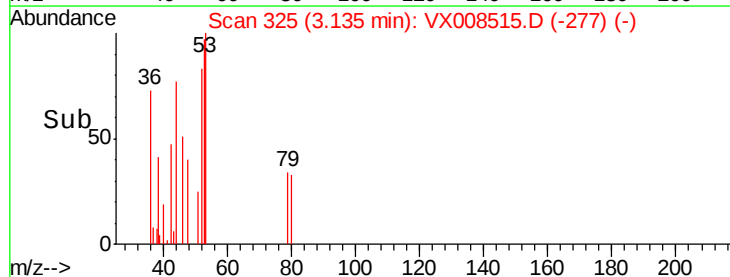
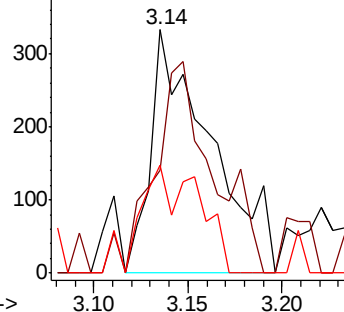
51 23.8 28.3 42.5#

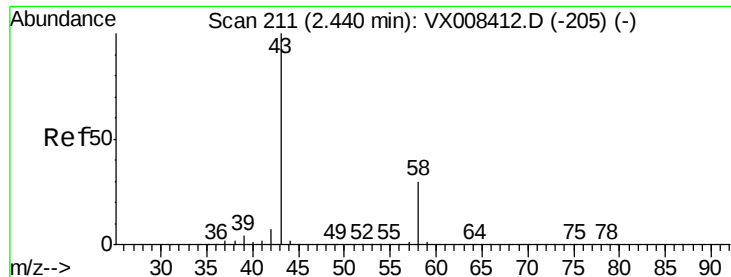


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

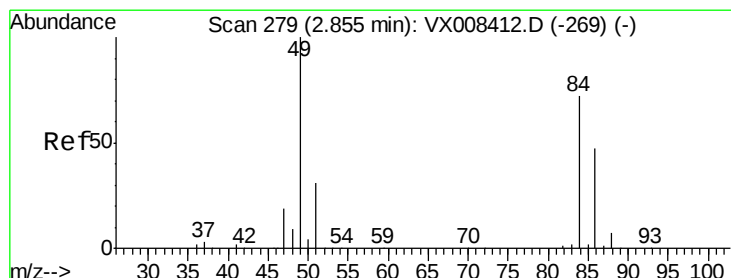
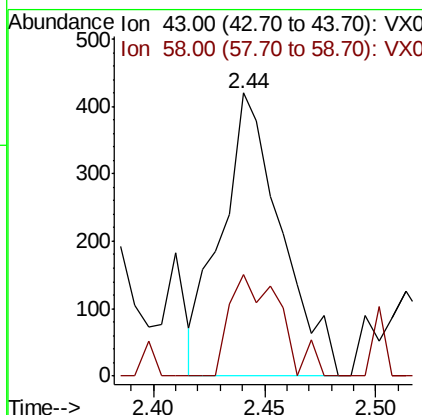
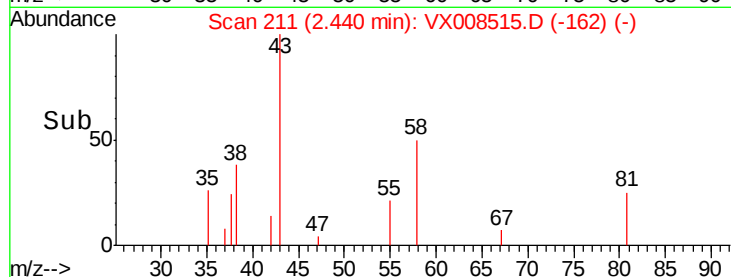
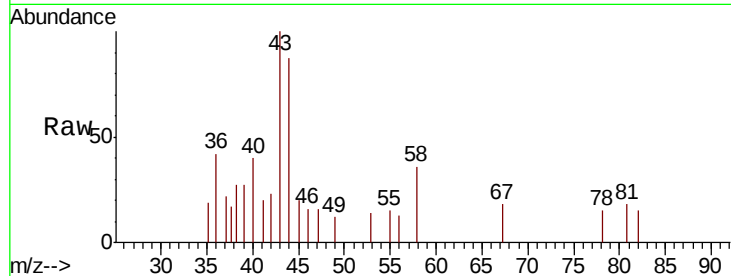




#16
Acetone
Concen: 0.423 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

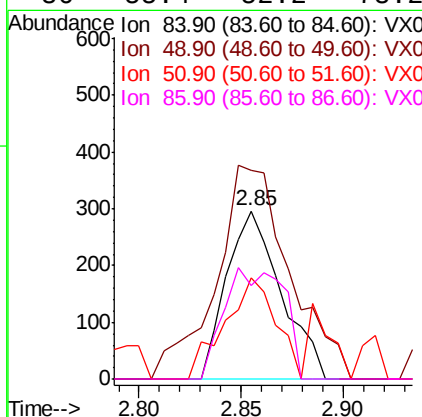
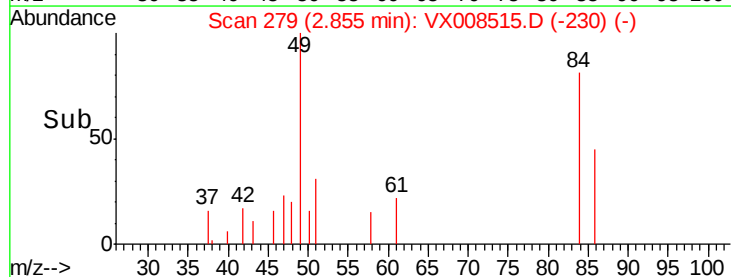
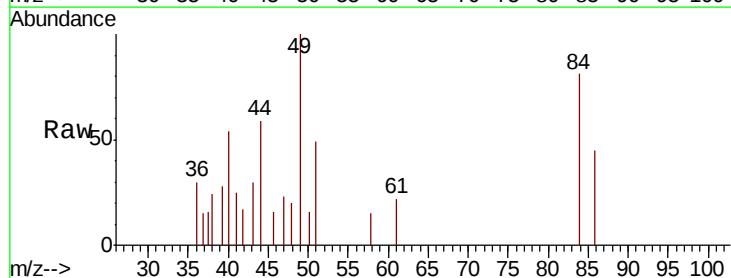
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

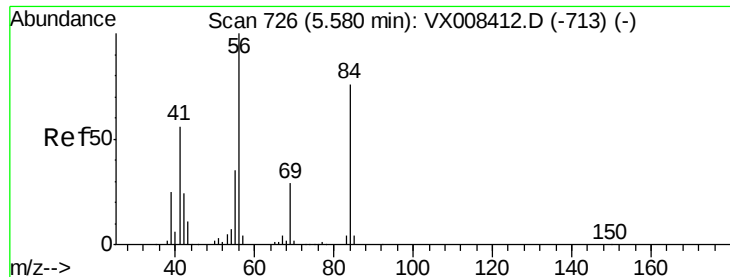
Tot Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 35.7 24.2 36.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Tgt Ion: 84 Resp: 548
Ion Ratio Lower Upper
84 100
49 103.0 110.6 165.8#
51 60.1 33.9 50.9#
86 55.4 52.2 78.2

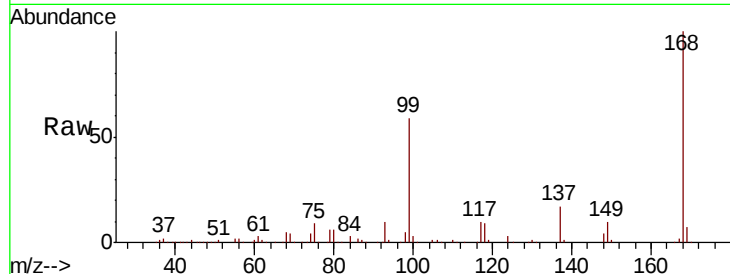




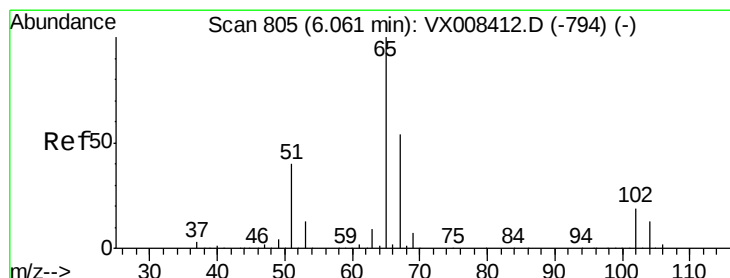
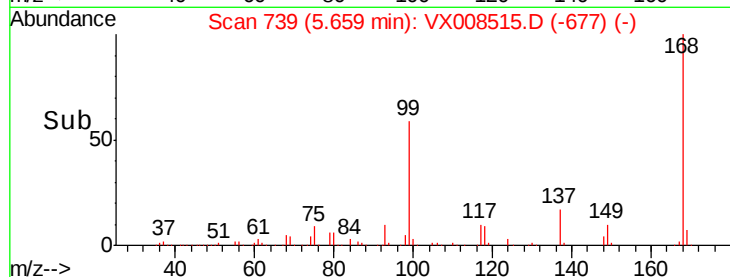
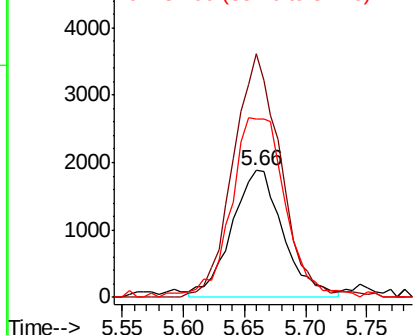
#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

Tot Ion: 56 Resp: 5540
Ion Ratio Lower Upper
56 100
69 197.2 23.2 34.8#
84 142.0 60.7 91.1#

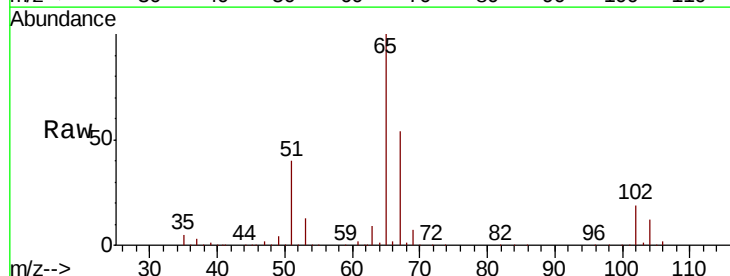


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

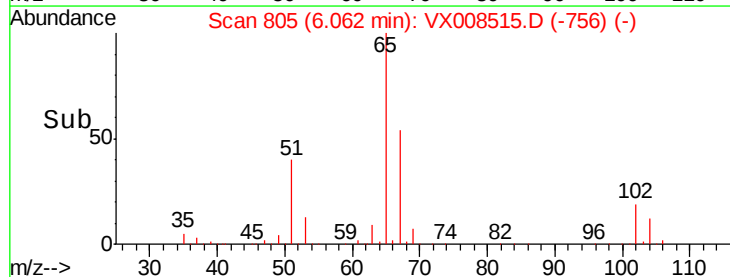
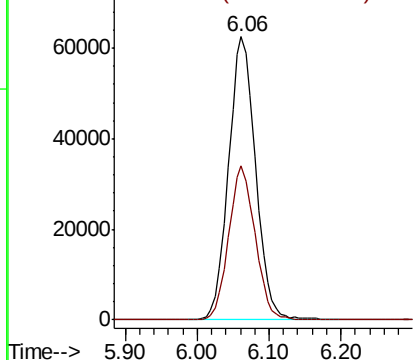


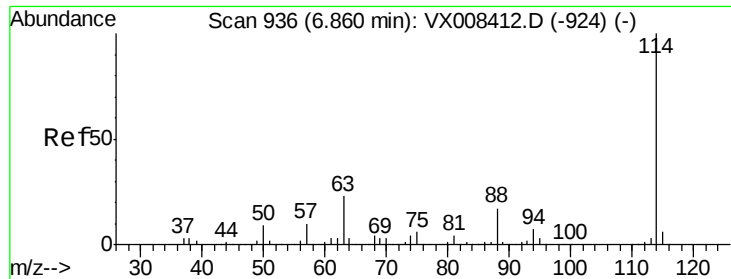
#33
1,2-Dichloroethane-d4
Concen: 45.975 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Tgt Ion: 65 Resp: 163174
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

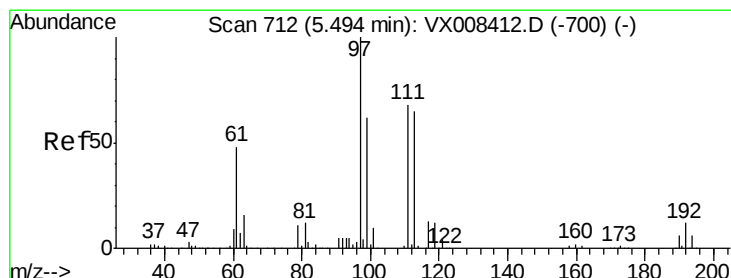
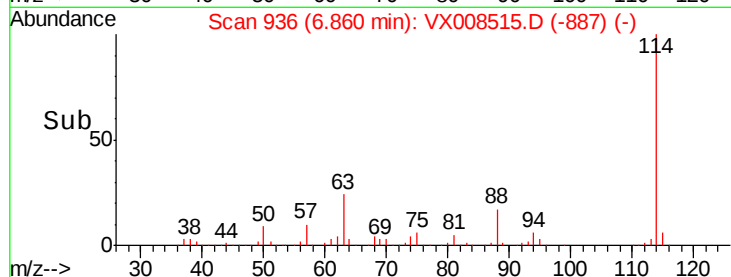
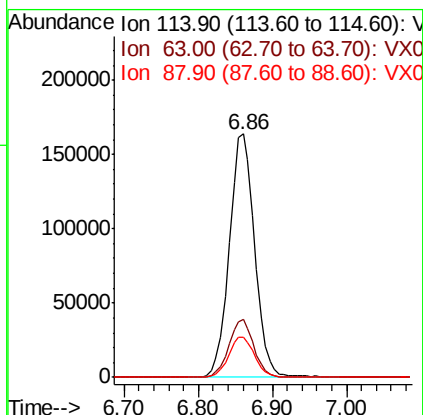
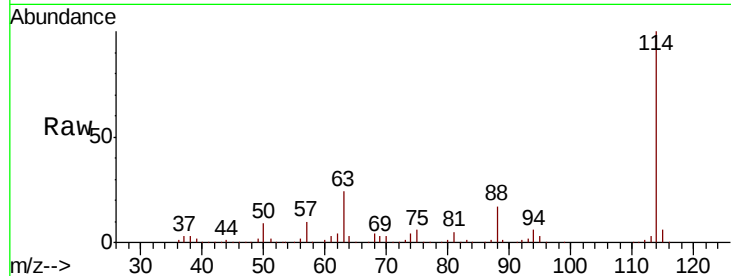




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

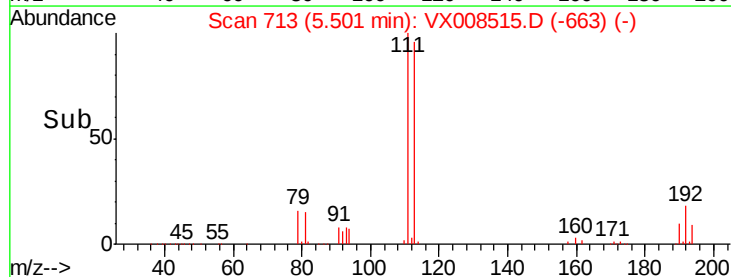
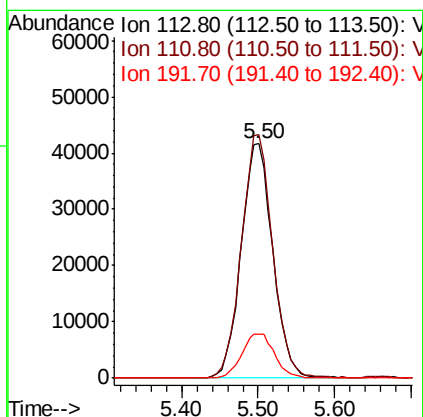
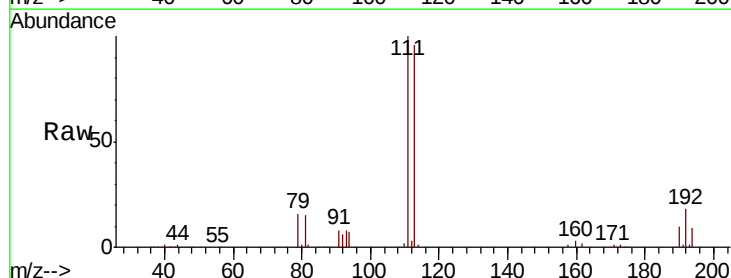
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

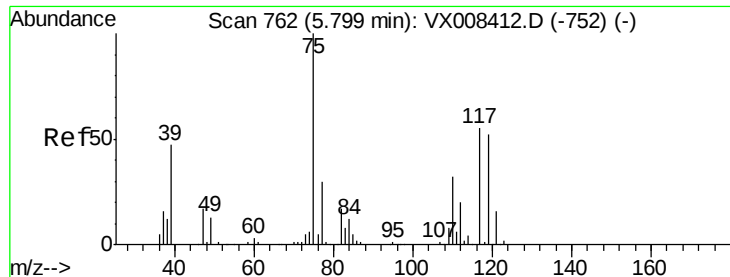
Tot Ion:114 Resp: 389761
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.4
88 16.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.027 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Tgt Ion:113 Resp: 119516
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 19.6 15.6 23.4

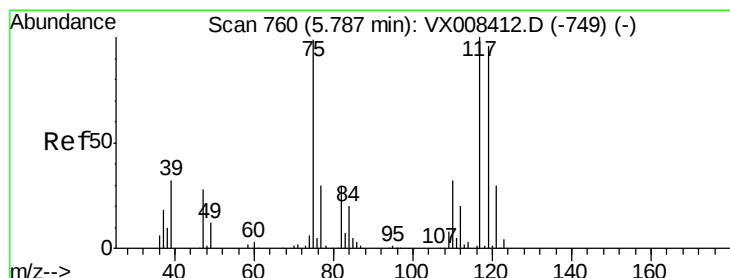
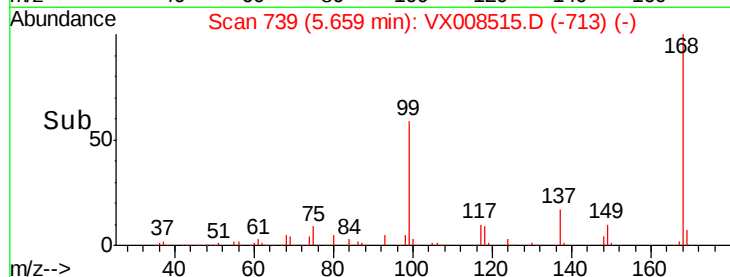
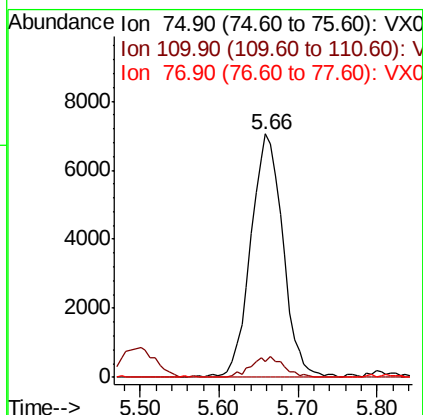
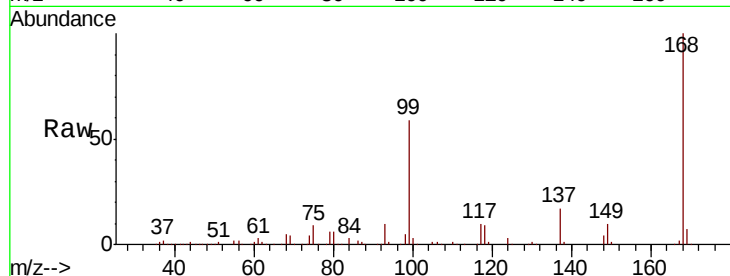




#36
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008515.D
 Acq: 28 Mar 2019 13:31

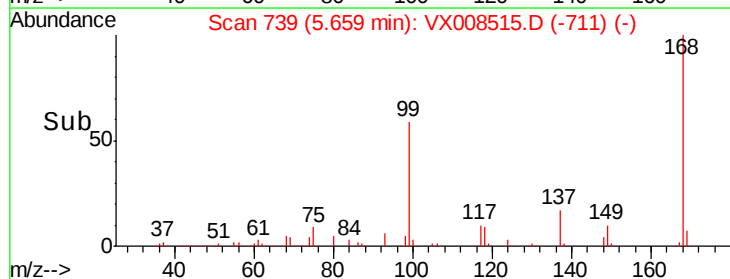
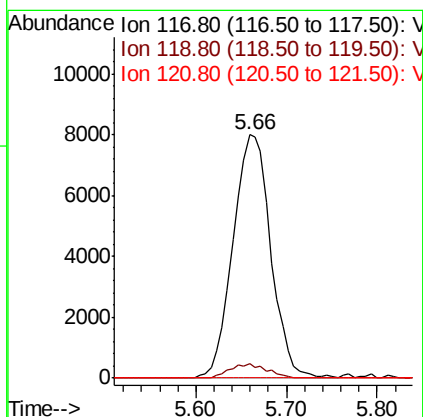
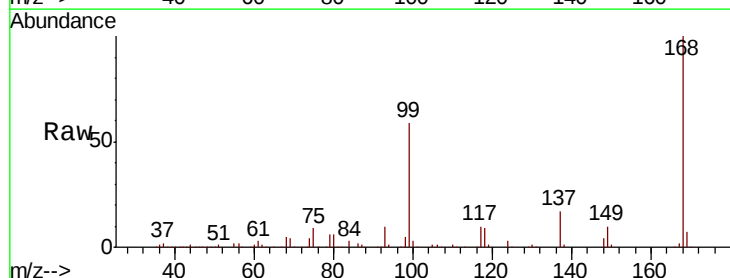
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-1

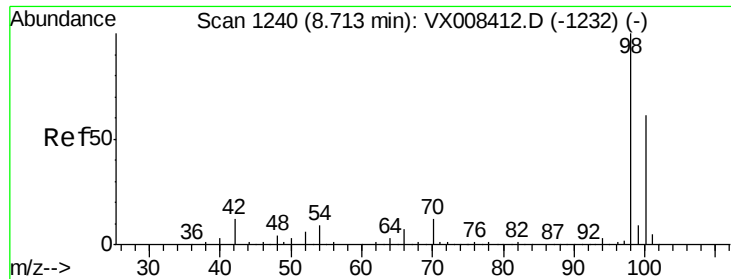
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.3	16.6	49.7#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.650 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008515.D
 Acq: 28 Mar 2019 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.7	115.1#
121	0.0	24.3	36.5#

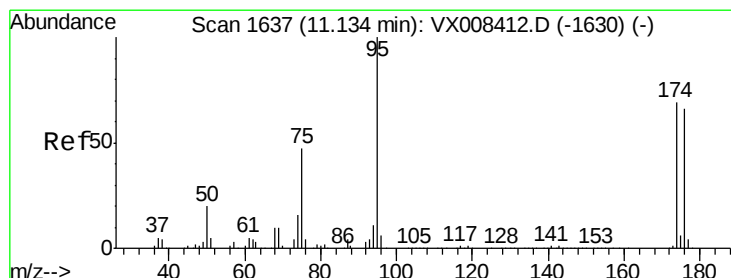
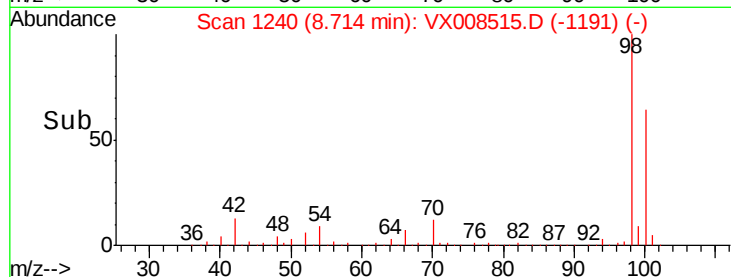
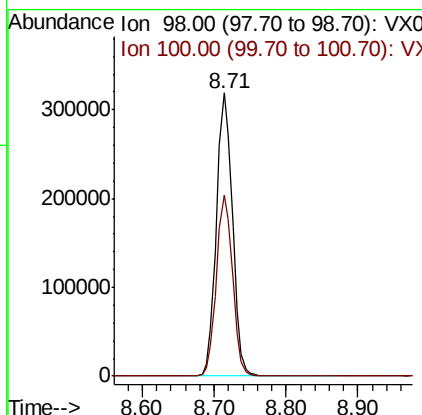
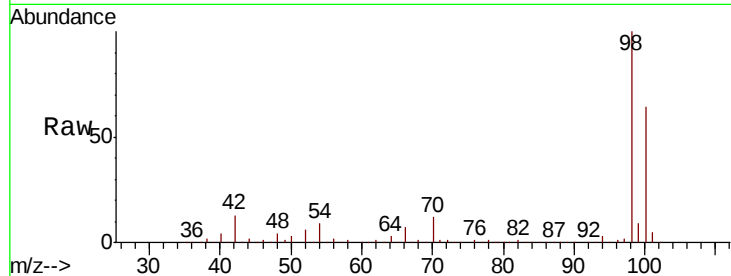




#50
Toluene-d8
Concen: 48.352 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

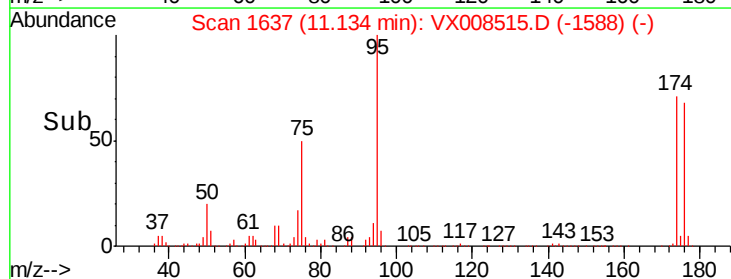
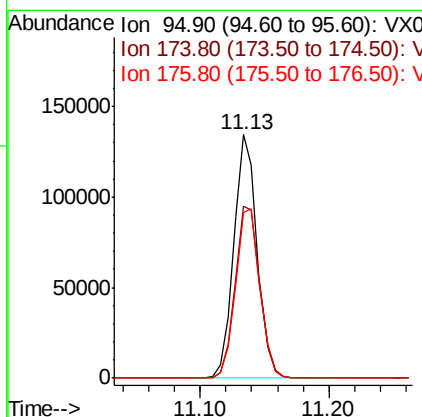
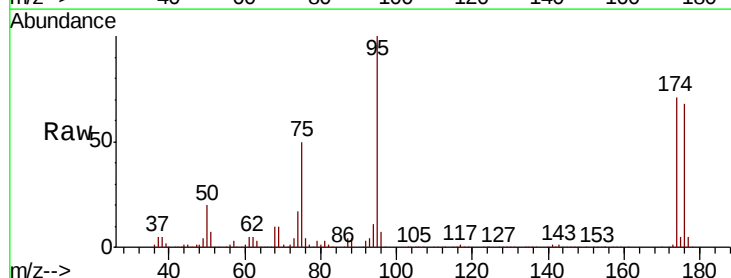
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

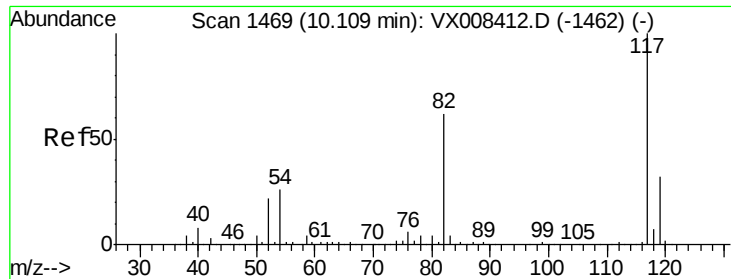
Tot Ion: 98 Resp: 491356
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.889 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Tgt Ion: 95 Resp: 169040
Ion Ratio Lower Upper
95 100
174 74.9 0.0 147.2
176 72.4 0.0 142.4

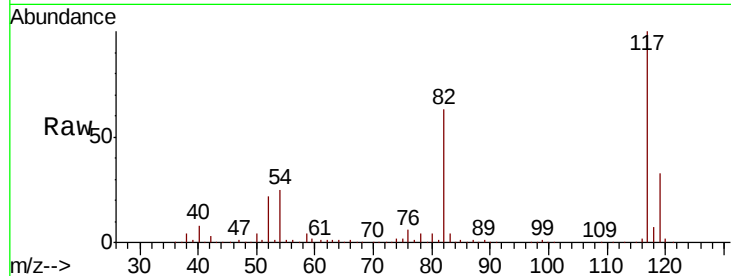




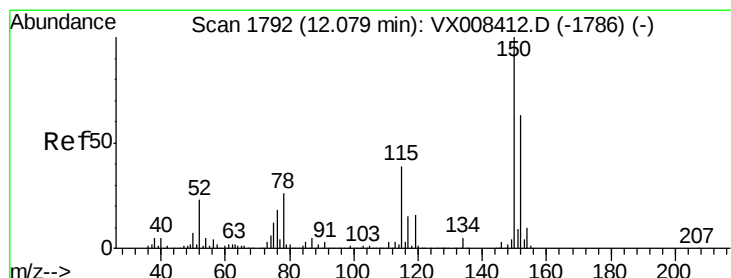
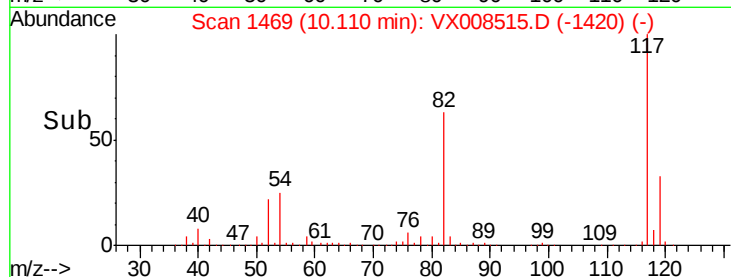
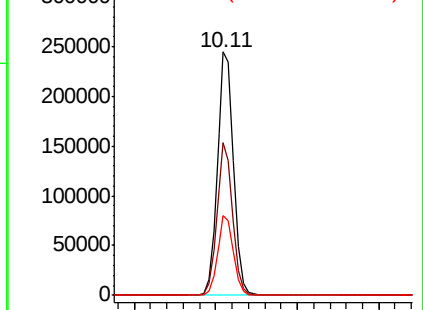
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

Tot Ion:117 Resp: 340939
Ion Ratio Lower Upper
117 100
82 62.6 49.4 74.2
119 32.6 25.4 38.0

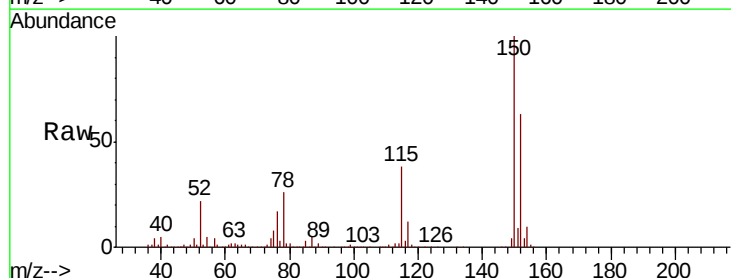


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

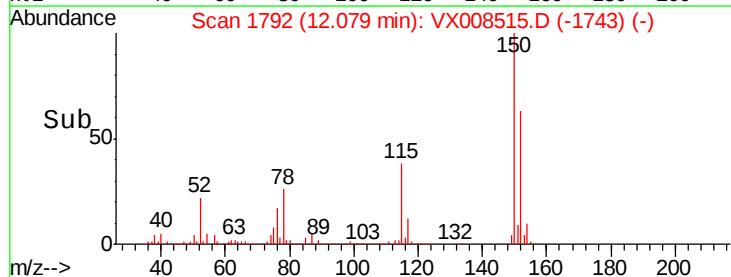
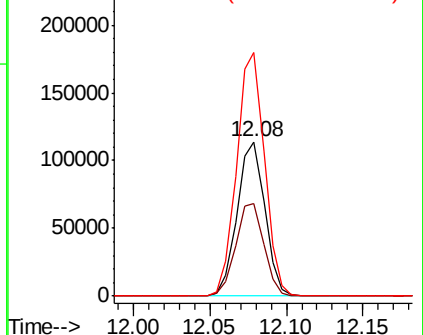


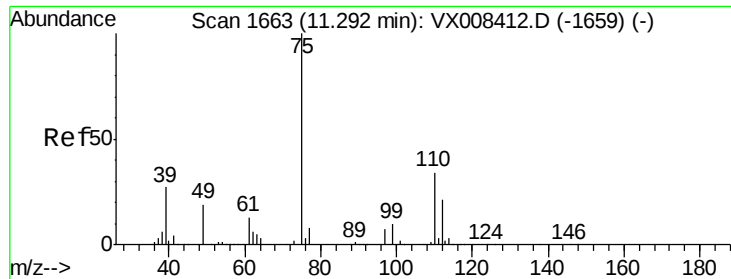
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008515.D
Acq: 28 Mar 2019 13:31

Tgt Ion:152 Resp: 143353
Ion Ratio Lower Upper
152 100
115 61.1 43.5 130.5
150 158.2 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

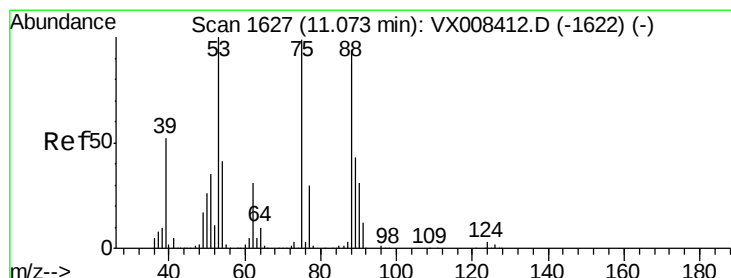
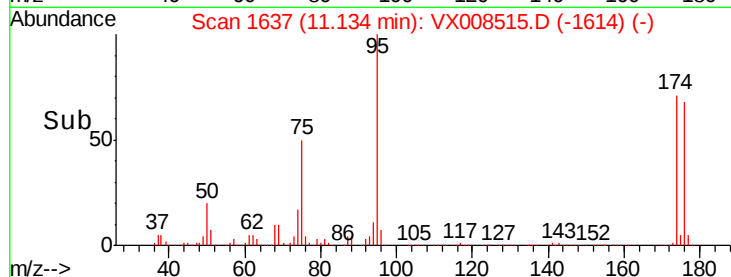
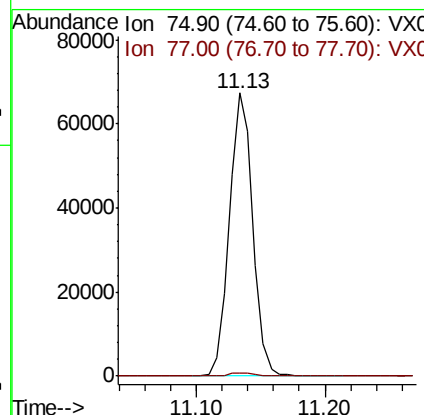
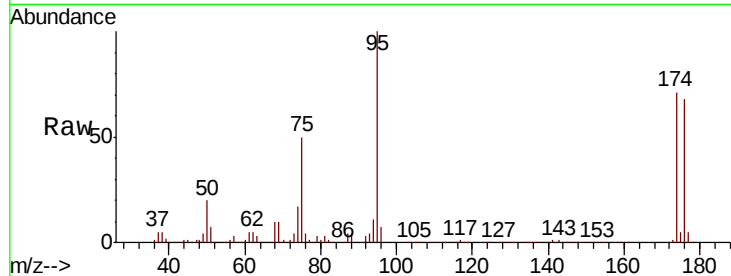




#76
 1,2,3-Trichloropropane
 Concen: 20.191 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008515.D
 Acq: 28 Mar 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-1

Tot Ion: 75 Resp: 86048
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.668 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008515.D
 Acq: 28 Mar 2019 13:31

Tgt Ion: 75 Resp: 86048
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.1 123.1#
 89 0.0 34.6 52.0#

