

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008516.D
 Acq On : 28 Mar 2019 13:54
 Operator : JC/SP
 Sample : K2121-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

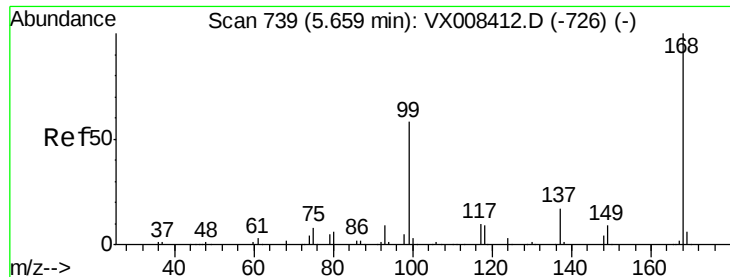
Quant Time: Mar 29 01:28:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138925	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	161496	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	5.50	113	119151	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	483479	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.13	95	166266	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	570	Below Cal		99
5) Bromomethane	1.65	94	470	2.034	ug/l #	62
6) Chloroethane	1.65	64	2055	0.910	ug/l #	44
10) Methyl Iodide	2.51	142	314	4.243	ug/l #	51
11) Tert butyl alcohol	3.01	59	778	1.000	ug/l #	72
16) Acetone	2.45	43	1184	0.645	ug/l #	77
17) Carbon Disulfide	2.57	76	1033	Below Cal	#	76
20) Methylene Chloride	2.86	84	649	Below Cal	#	85
21) trans-1,2-Dichloroethene	3.16	96	113	Below Cal	#	82
31) Cyclohexane	5.66	56	5618	0.998	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19413	4.716	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23234	6.763	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	85012	20.583	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85012	65.926	ug/l #	9

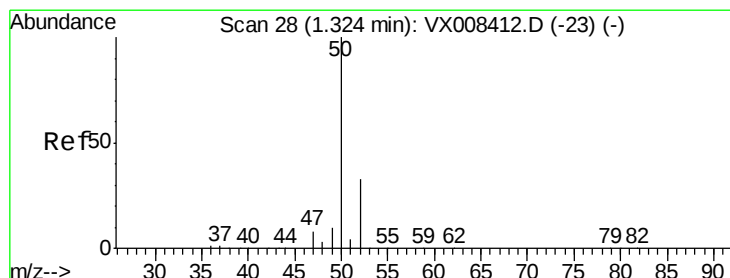
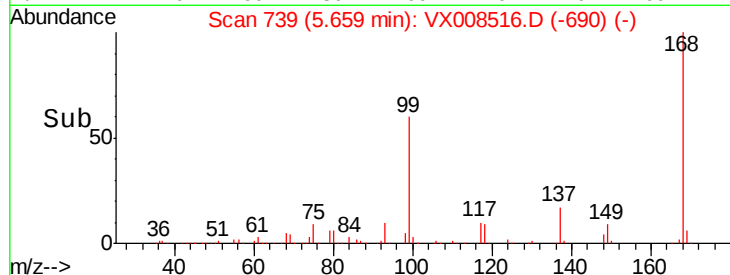
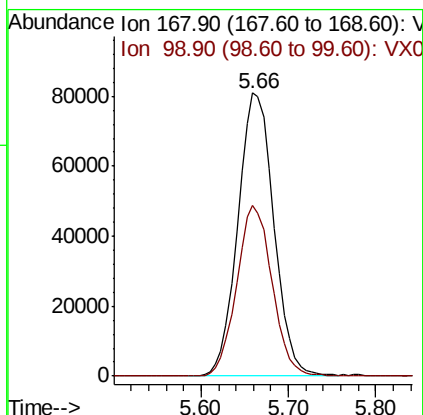
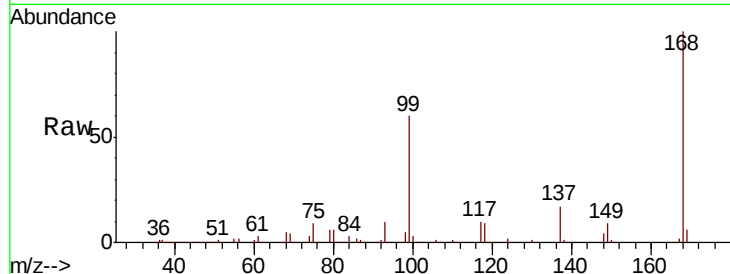
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

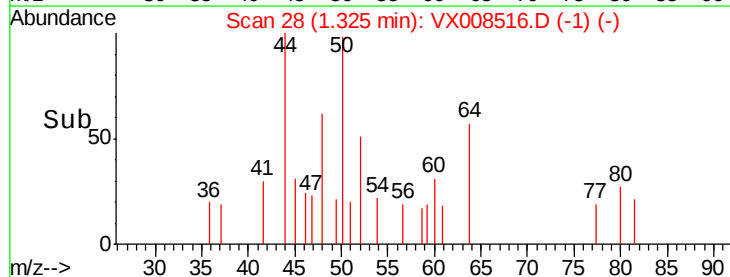
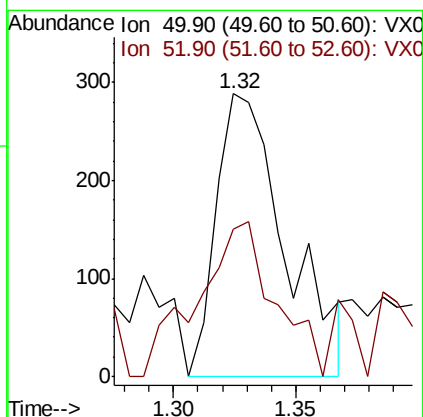
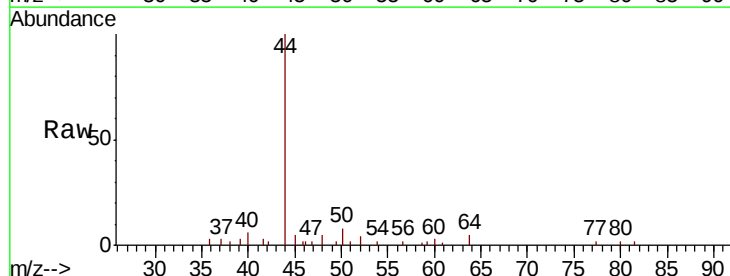
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

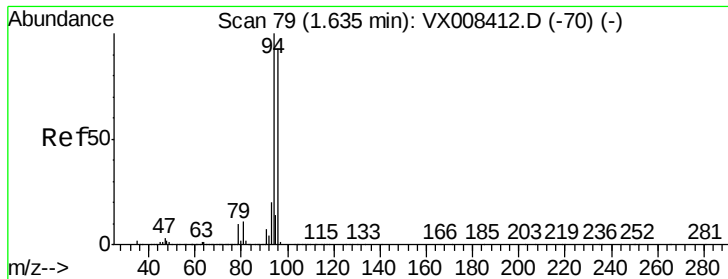
Tot Ion:168 Resp: 231739
Ion Ratio Lower Upper
168 100
99 60.2 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 33.0 26.2 39.2





#5

Bromomethane

Concen: 2.034 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008516.D

Acq: 28 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

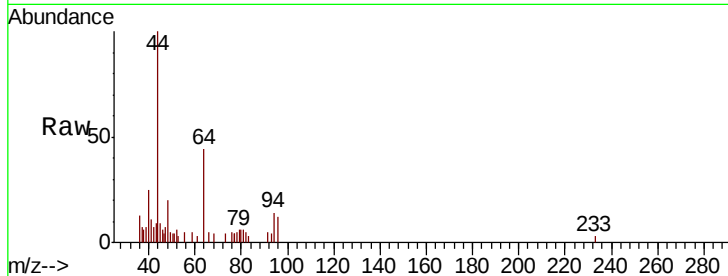
TRIP-BLANK

Tot Ion: 94 Resp: 470

Ion Ratio Lower Upper

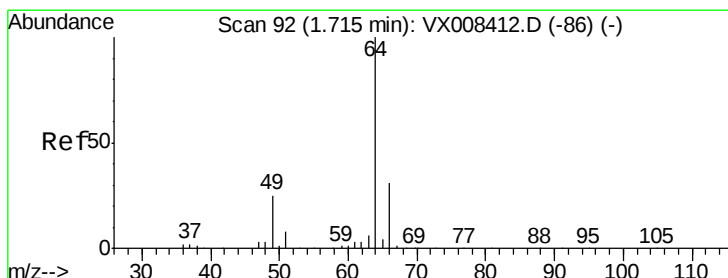
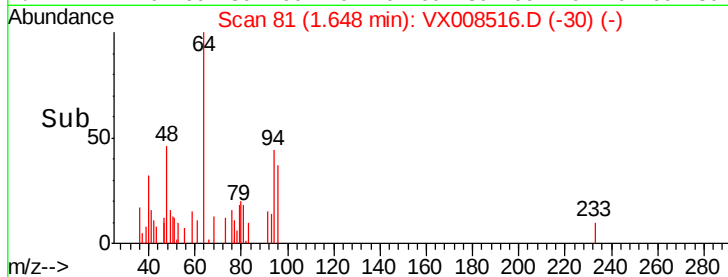
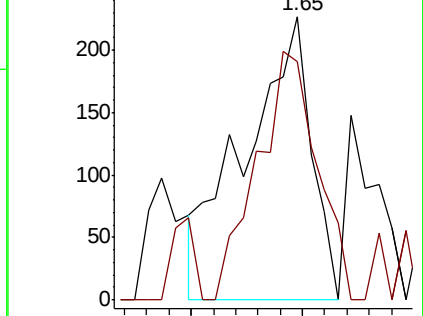
94 100

96 56.8 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: 0.910 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX008516.D

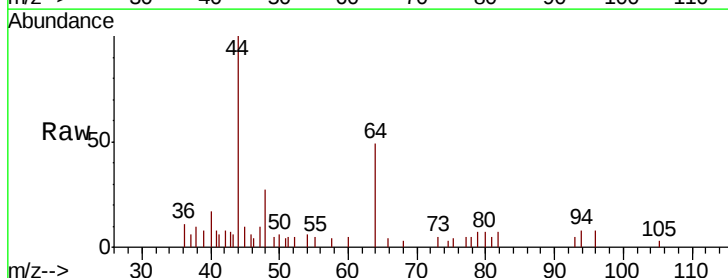
Acq: 28 Mar 2019 13:54

Tgt Ion: 64 Resp: 2055

Ion Ratio Lower Upper

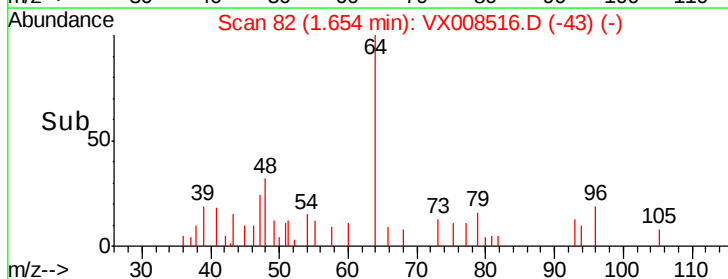
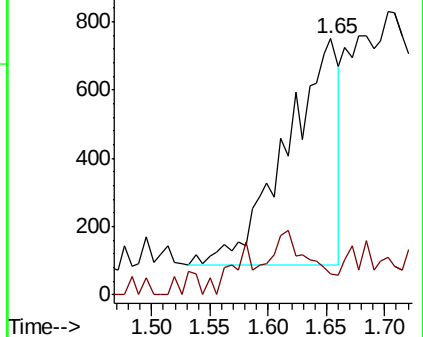
64 100

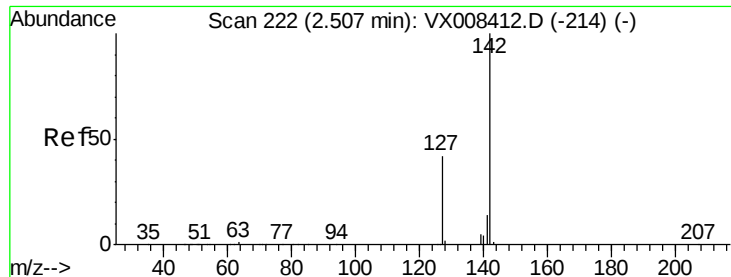
66 0.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

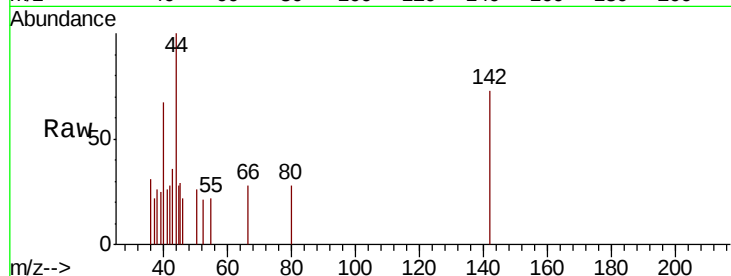




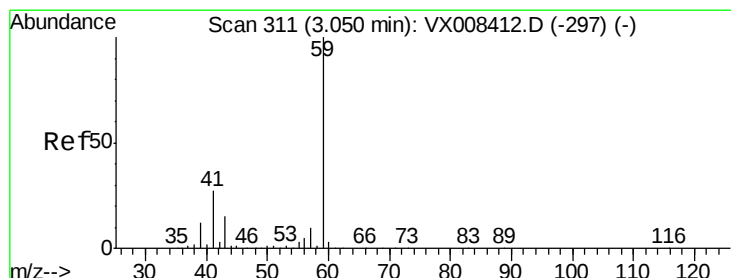
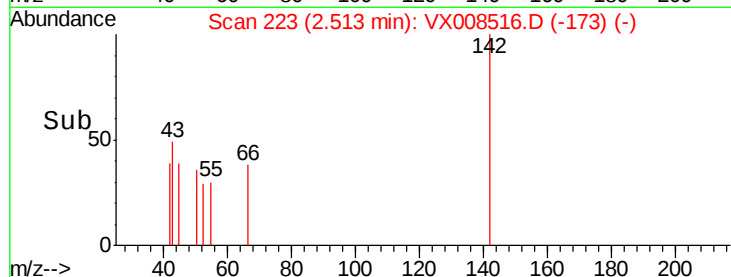
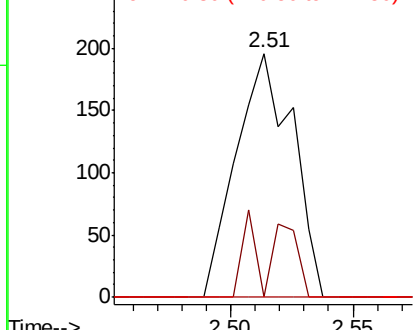
#10
Methvl Iodide
Concen: 4.243 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:142 Resp: 314
Ion Ratio Lower Upper
142 100
127 8.3 33.6 50.4#
141 0.0 11.3 16.9#

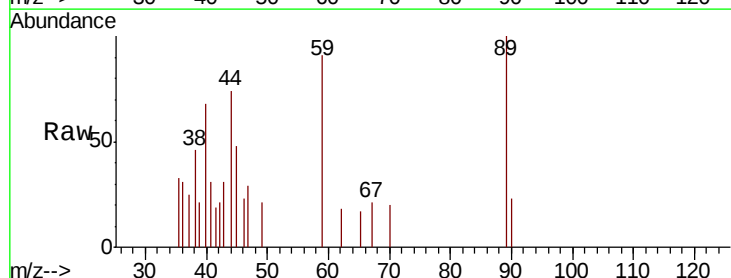


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

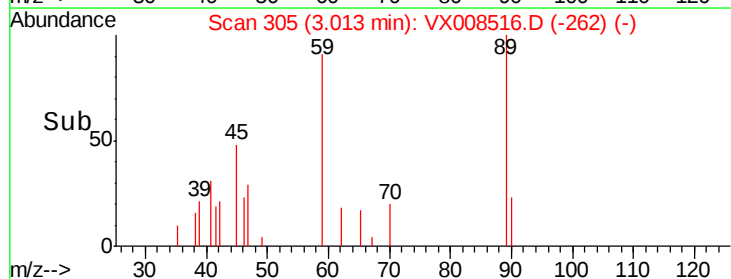
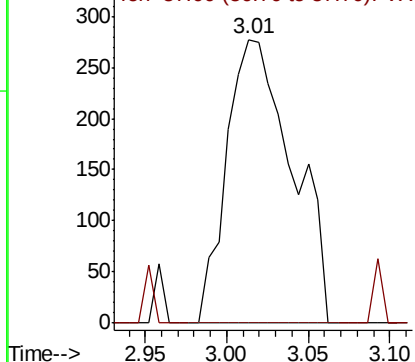


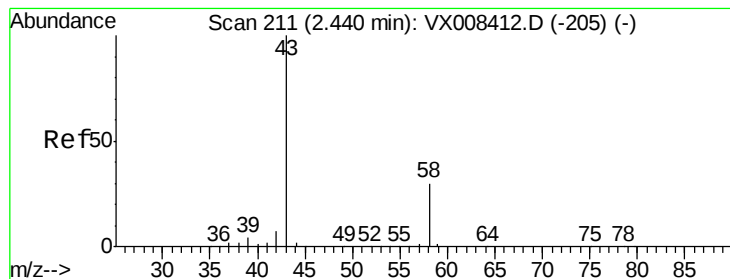
#11
Tert butyl alcohol
Concen: 1.000 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

Tgt Ion: 59 Resp: 778
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



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





#16

Acetone

Concen: 0.645 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008516.D

Acq: 28 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

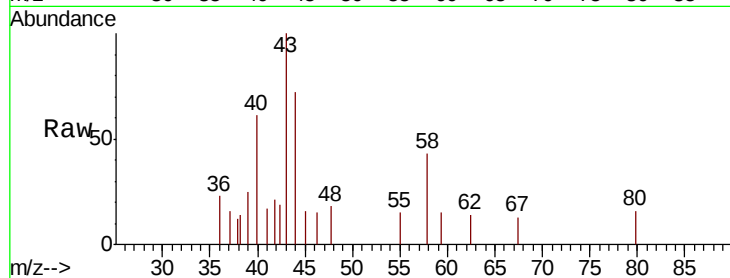
TRIP-BLANK

Tot Ion: 43 Resp: 1184

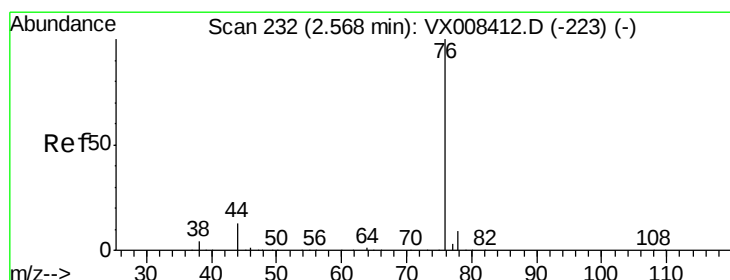
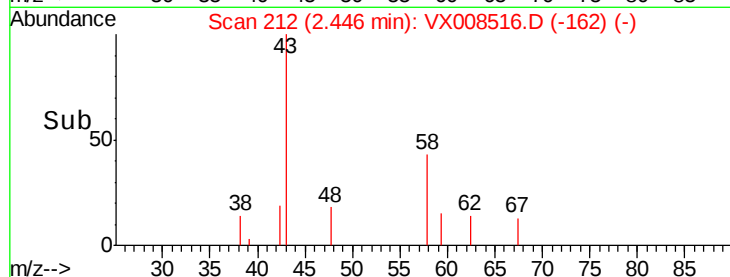
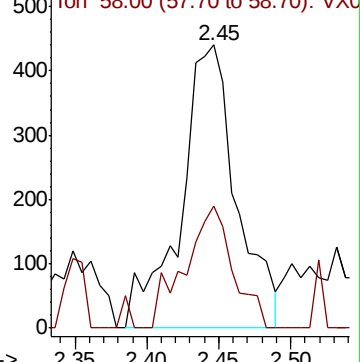
Ion Ratio Lower Upper

43 100

58 43.0 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008516.D

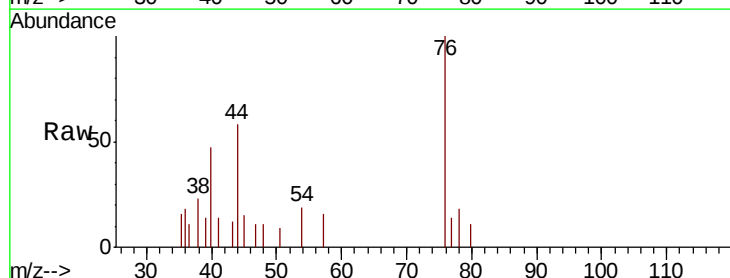
Acq: 28 Mar 2019 13:54

Tgt Ion: 76 Resp: 1033

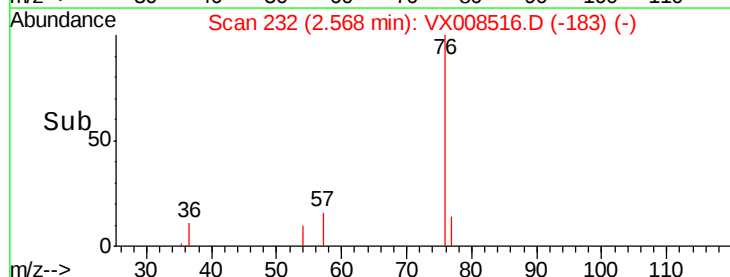
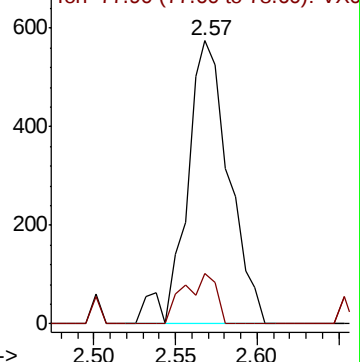
Ion Ratio Lower Upper

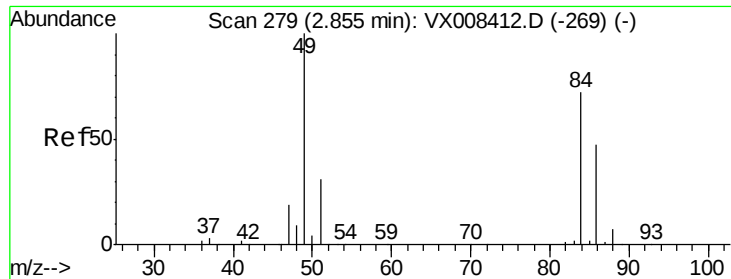
76 100

78 17.9 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

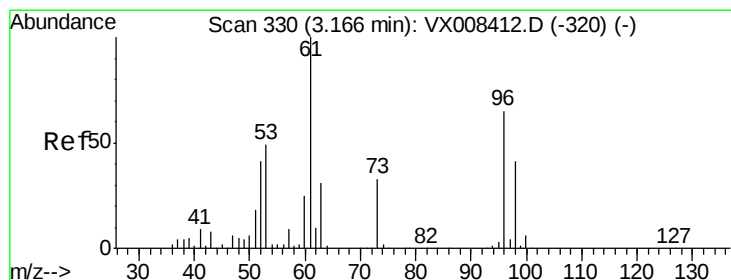
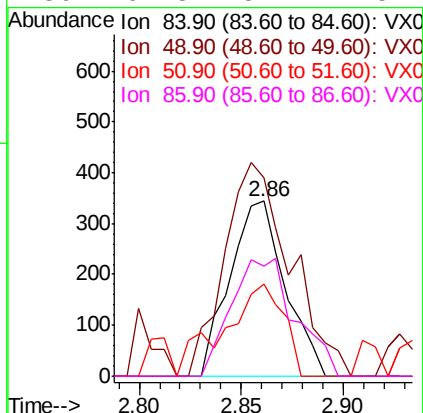
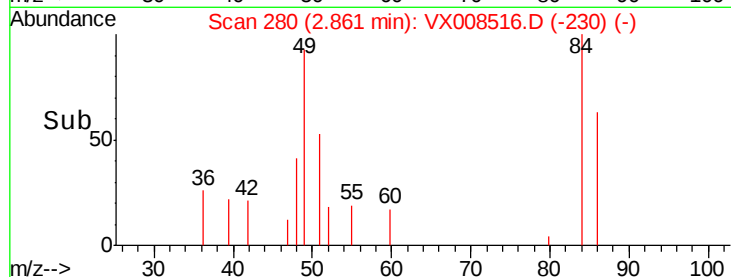
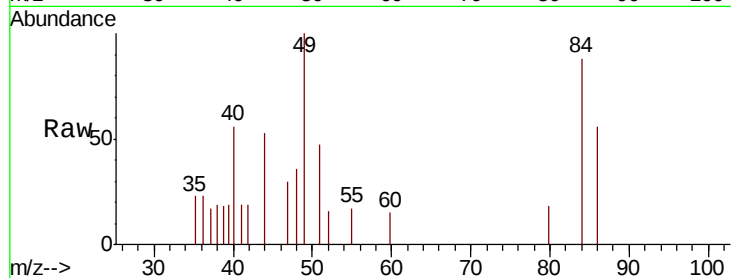




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

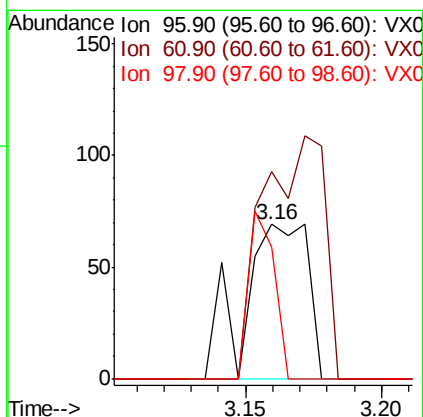
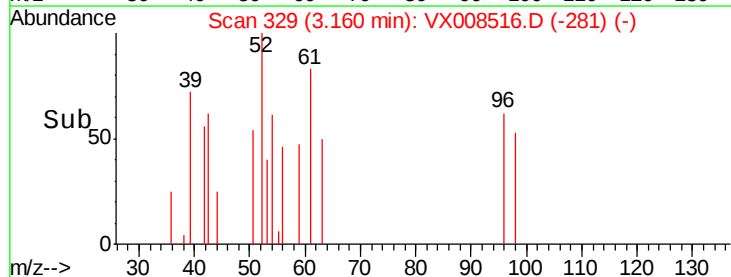
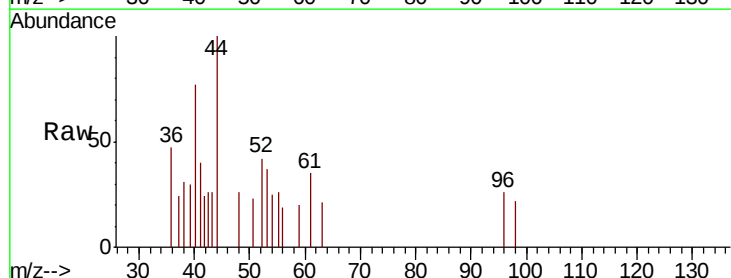
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

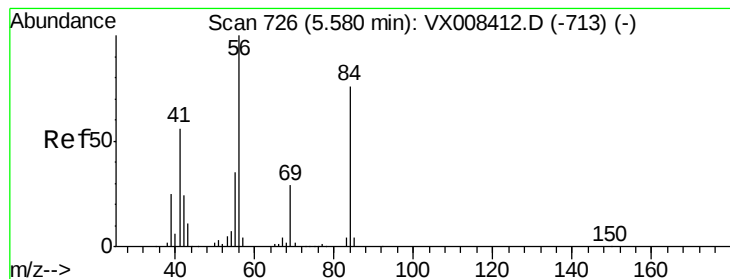
Tot Ion: 84 Resp: 649
Ion Ratio Lower Upper
84 100
49 113.1 110.6 165.8
51 52.9 33.9 50.9#
86 62.8 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

Tgt Ion: 96 Resp: 113
Ion Ratio Lower Upper
96 100
61 134.8 122.6 184.0
98 85.5 50.9 76.3#





#31

Cyclohexane

Concen: 0.998 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008516.D

Acq: 28 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

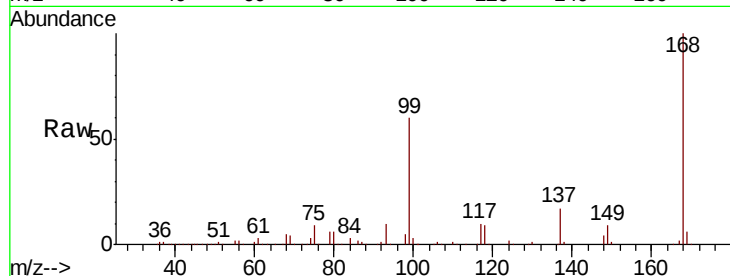
Tot Ion: 56 Resp: 5618

Ion Ratio Lower Upper

56 100

69 174.4 23.2 34.8#

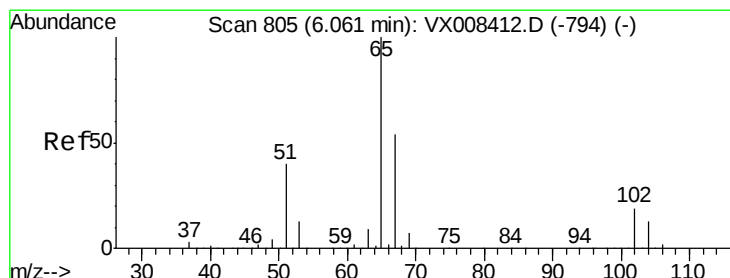
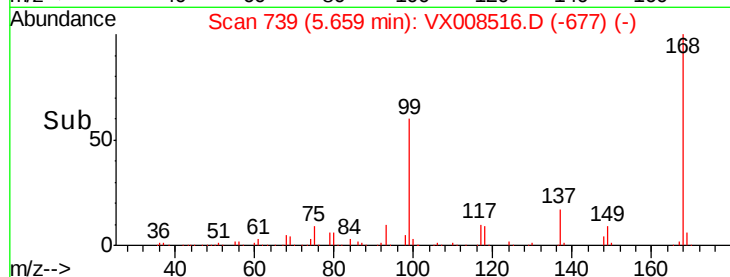
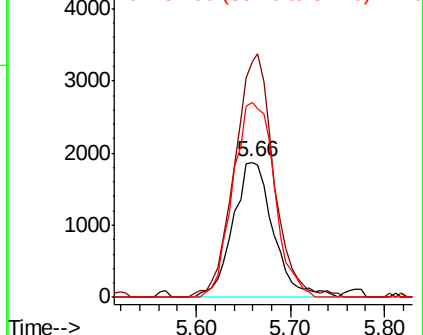
84 144.2 60.7 91.1#



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: 45.968 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008516.D

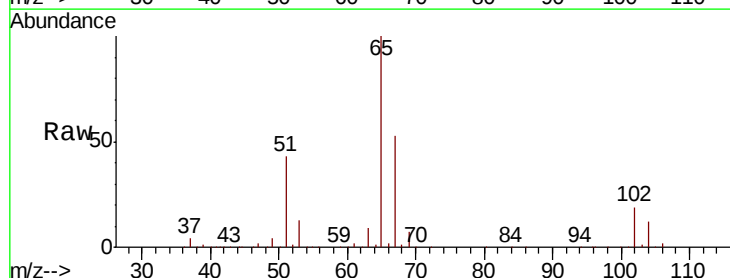
Acq: 28 Mar 2019 13:54

Tgt Ion: 65 Resp: 161496

Ion Ratio Lower Upper

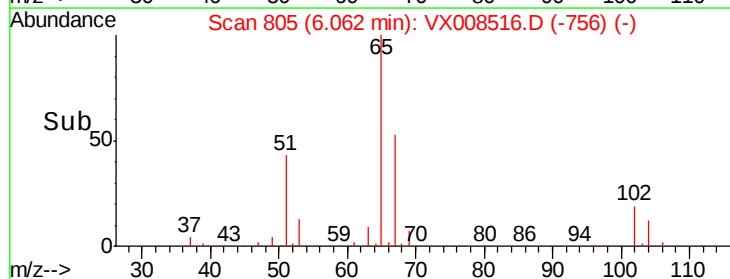
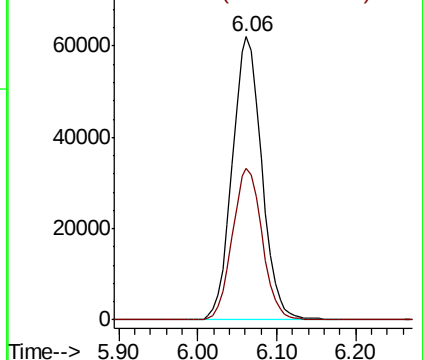
65 100

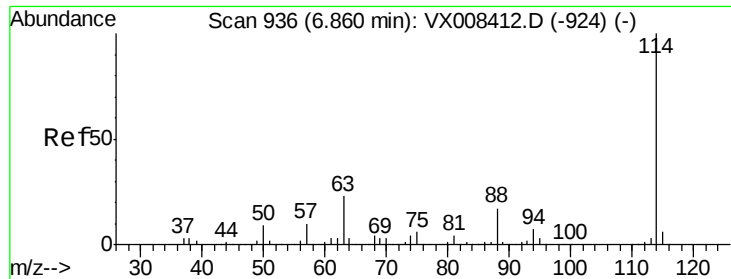
67 54.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

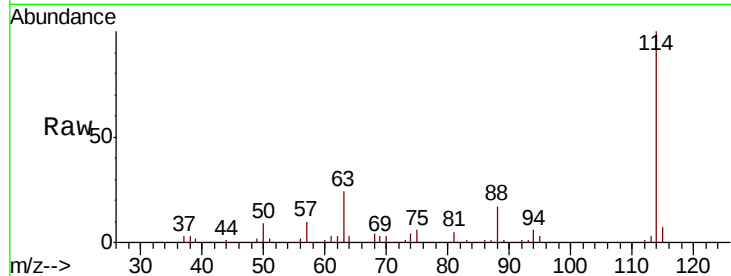




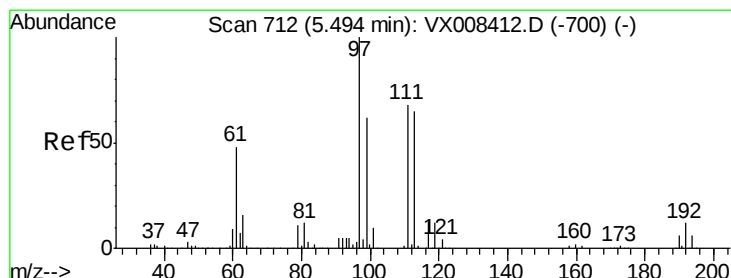
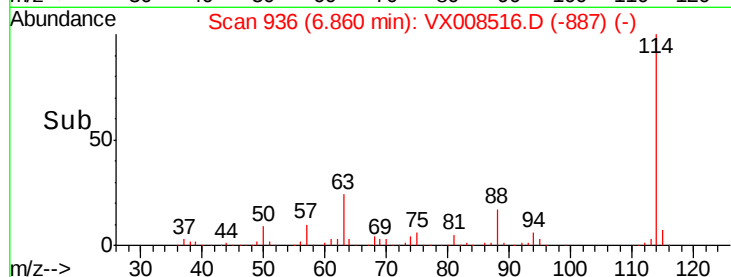
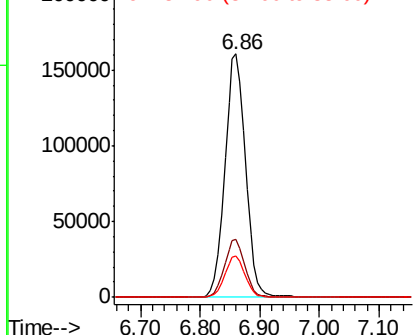
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008516.D
 Acq: 28 Mar 2019 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:114 Resp: 386070
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.4
 88 17.3 0.0 33.2

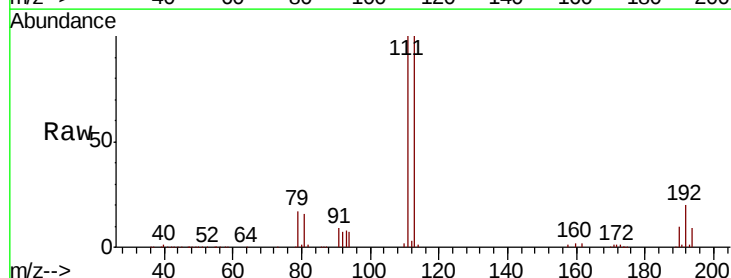


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

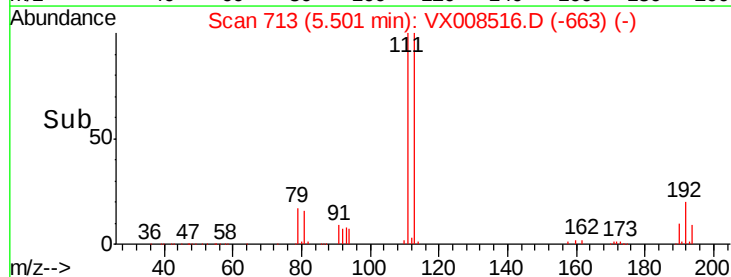
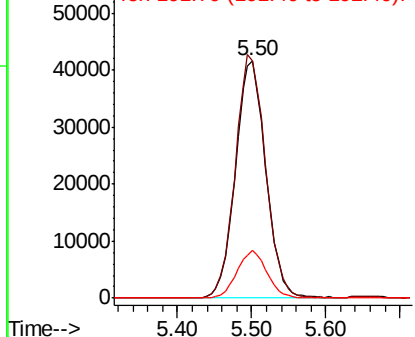


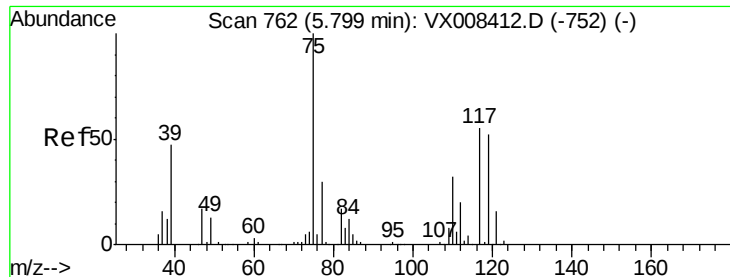
#35
 Dibromofluoromethane
 Concen: 47.332 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008516.D
 Acq: 28 Mar 2019 13:54

Tgt Ion:113 Resp: 119151
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.4
 192 19.6 15.6 23.4



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

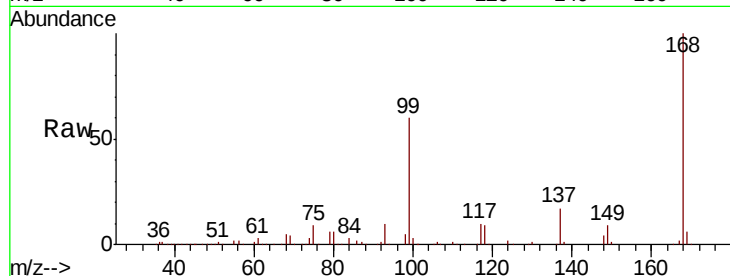




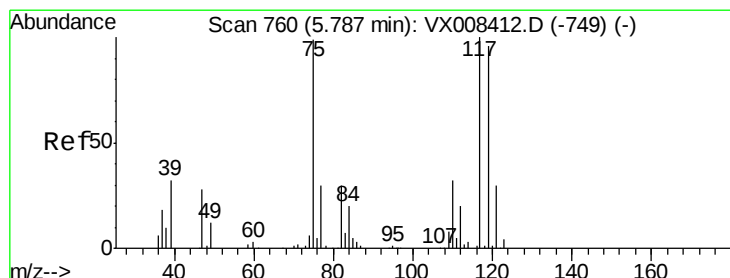
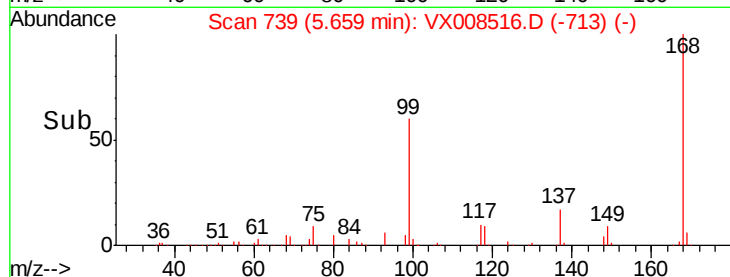
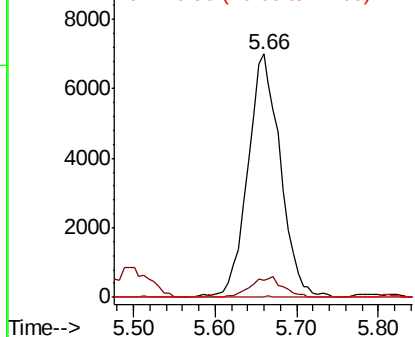
#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008516.D
 Acq: 28 Mar 2019 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion: 75 Resp: 19413
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.6 49.7#
 77 0.1 24.2 36.2#

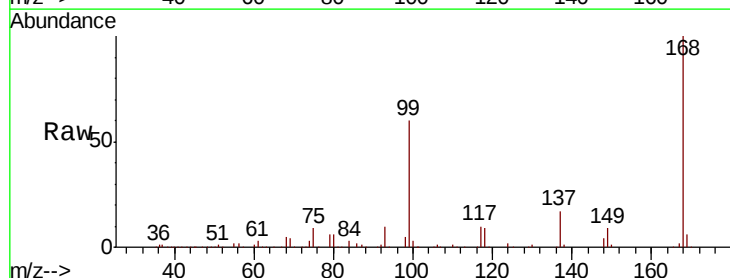


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

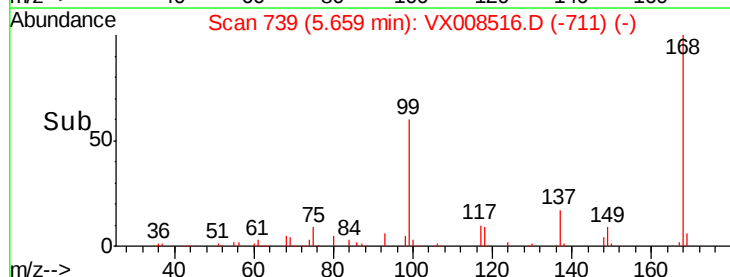
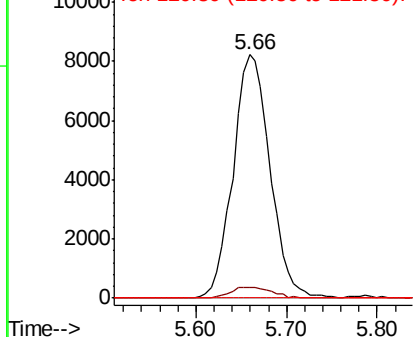


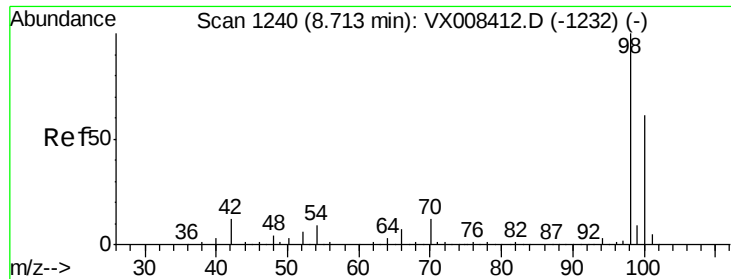
#38
 Carbon Tetrachloride
 Concen: 6.763 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008516.D
 Acq: 28 Mar 2019 13:54

Tgt Ion: 117 Resp: 23234
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.7 115.1#
 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

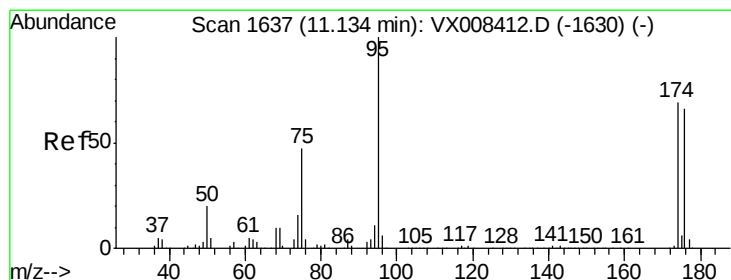
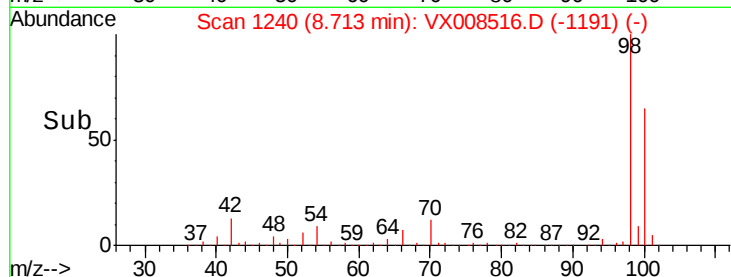
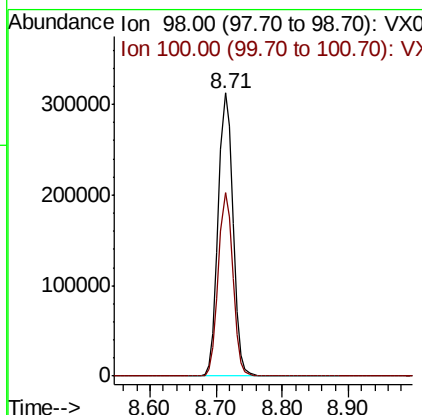
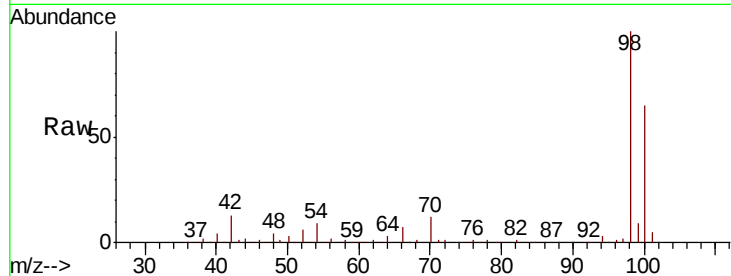




#50
Toluene-d8
Concen: 48.032 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

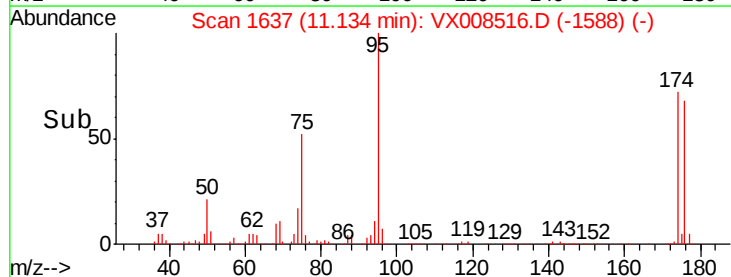
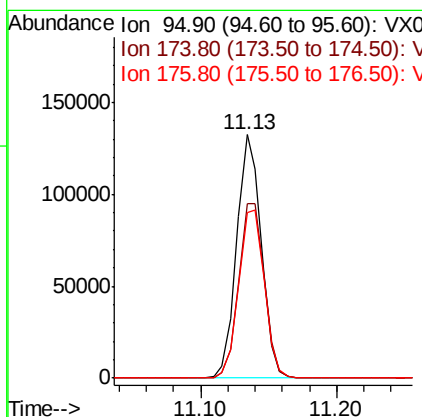
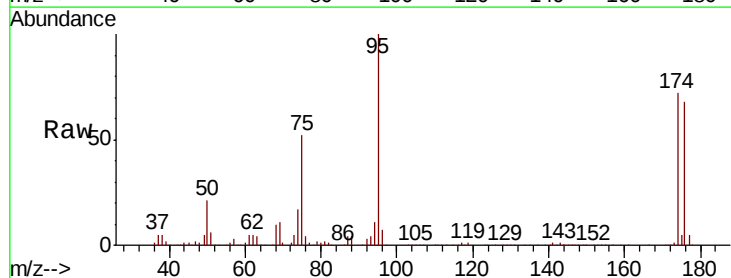
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

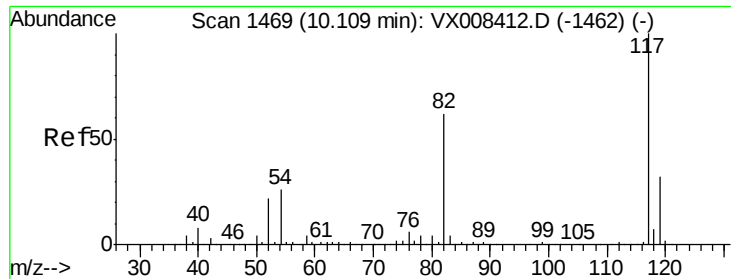
Tot Ion: 98 Resp: 483479
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.575 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

Tgt Ion: 95 Resp: 166266
Ion Ratio Lower Upper
95 100
174 75.1 0.0 147.2
176 72.4 0.0 142.4

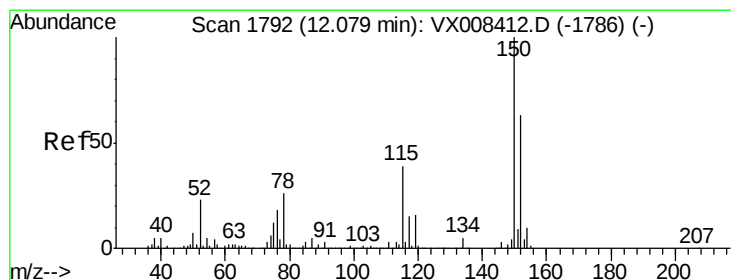
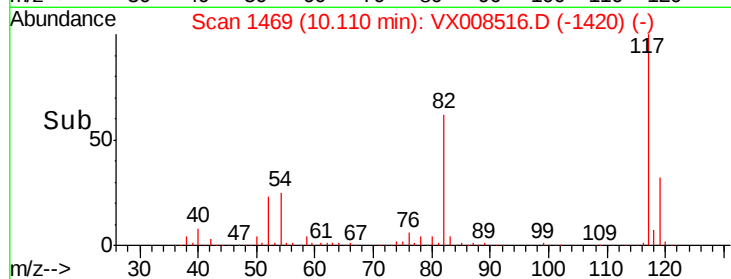
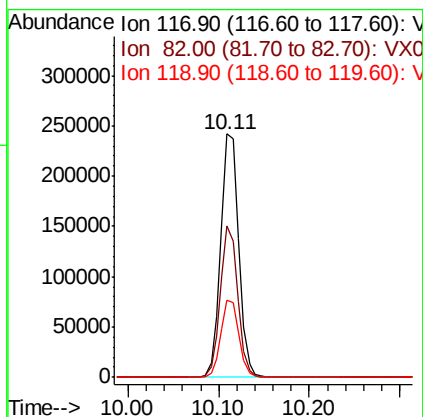
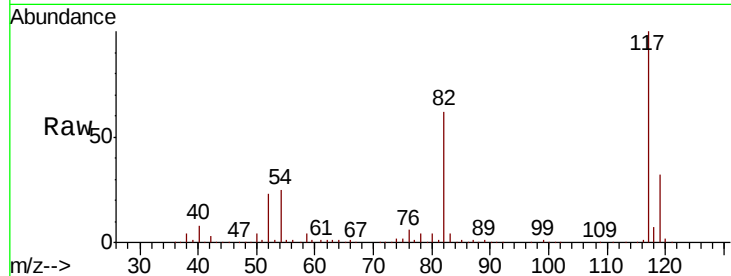




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

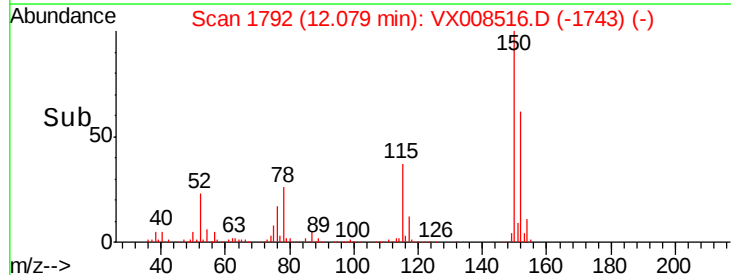
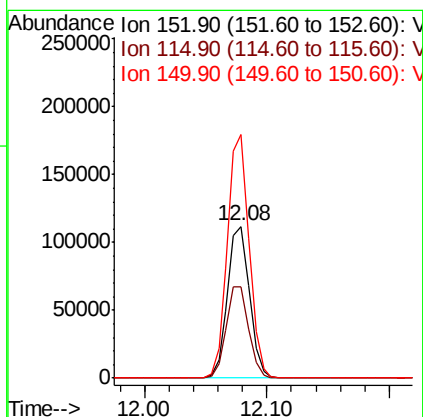
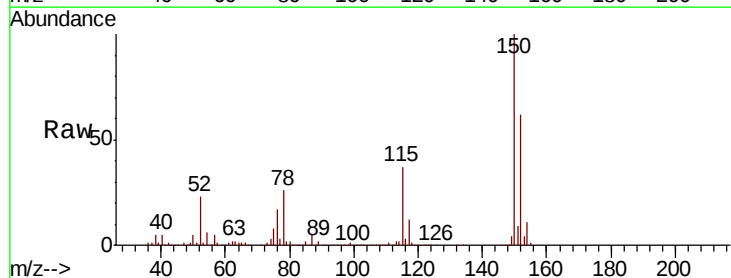
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

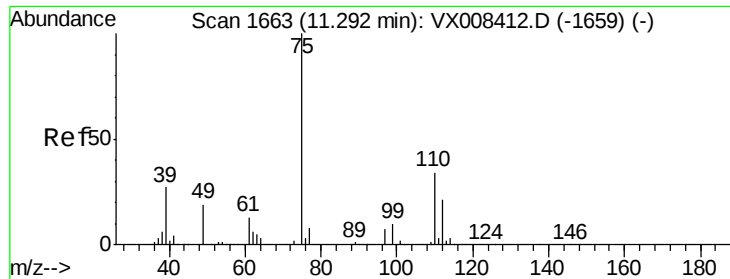
Tot Ion:117 Resp: 336165
Ion Ratio Lower Upper
117 100
82 62.2 49.4 74.2
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008516.D
Acq: 28 Mar 2019 13:54

Tgt Ion:152 Resp: 138925
Ion Ratio Lower Upper
152 100
115 61.3 43.5 130.5
150 158.2 0.0 348.8

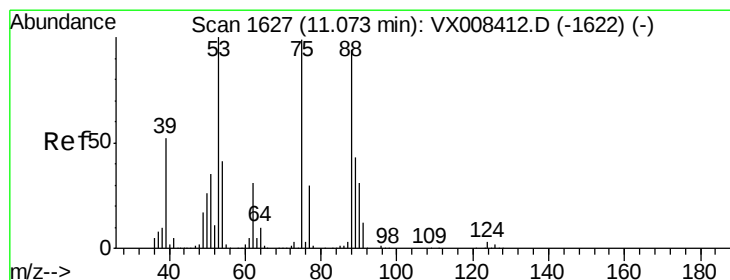
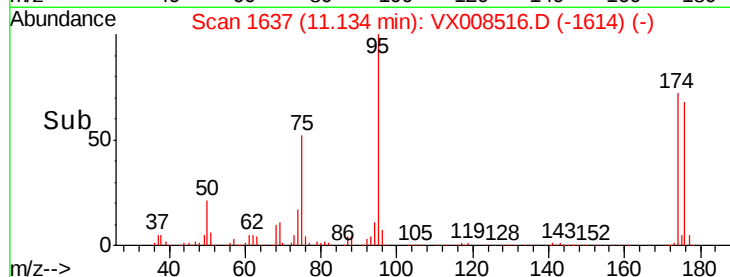
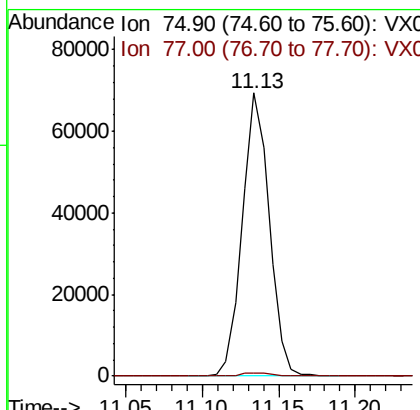
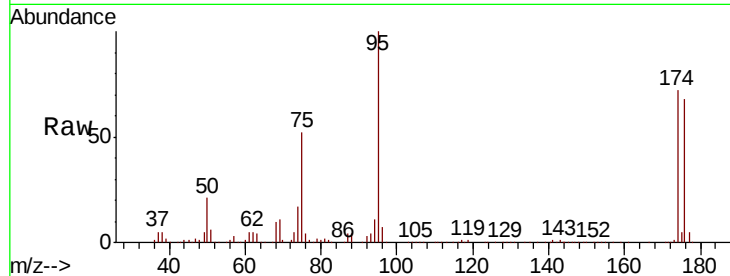




#76
 1,2,3-Trichloropropane
 Concen: 20.583 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008516.D
 Acq: 28 Mar 2019 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion: 75 Resp: 85012
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.926 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008516.D
 Acq: 28 Mar 2019 13:54

Tgt Ion: 75 Resp: 85012
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.1 123.1#
 89 0.0 34.6 52.0#

