

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009429.D
 Acq On : 09 May 2019 15:48
 Operator : JC/SP
 Sample : K2748-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:07:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111230	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	121719	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
35) Dibromofluoromethane	5.50	113	91914	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	369258	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	123170	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	

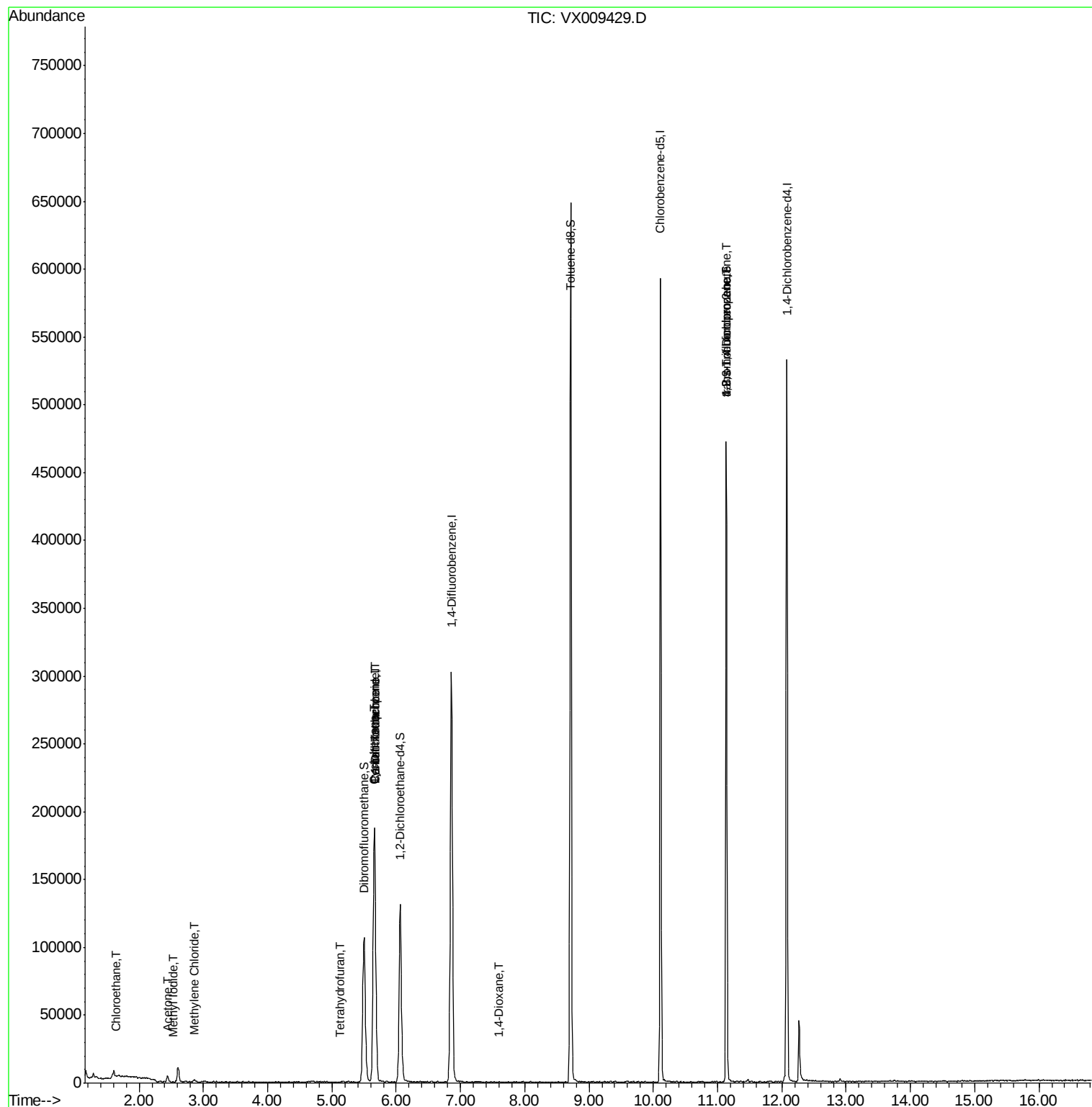
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.64	64	4015	2.728	ug/l #	57
10) Methyl Iodide	2.53	142	40	4.612	ug/l #	42
16) Acetone	2.44	43	4735	3.457	ug/l	92
20) Methylene Chloride	2.85	84	588	0.265	ug/l #	64
28) Bromochloromethane	5.01	49	102	Below Cal	#	20
29) Tetrahydrofuran	5.13	42	284	0.207	ug/l #	52
31) Cyclohexane	5.65	56	4109	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13915	5.045	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16693	6.662	ug/l #	16
49) 1,4-Dioxane	7.59	88	20	0.323	ug/l #	7
76) 1,2,3-Trichloropropane	11.13	75	61602	23.875	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61602	61.089	ug/l #	10

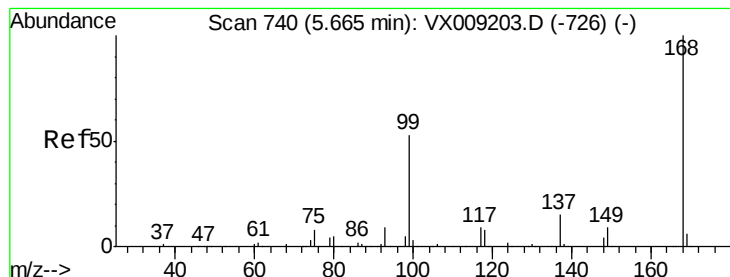
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009429.D

Acq: 09 May 2019 15:48

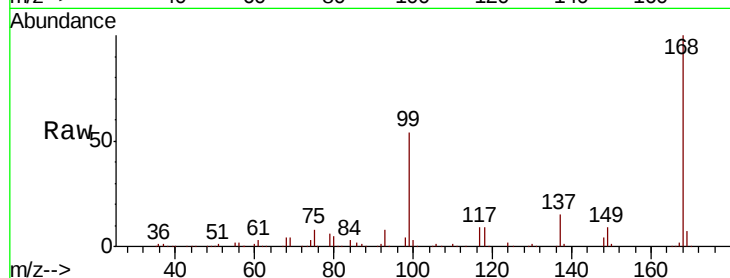
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 186853

Ion Ratio Lower Upper

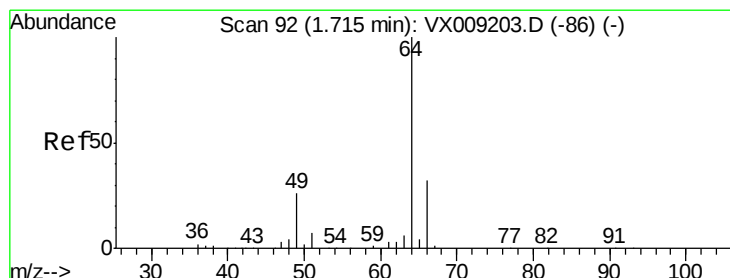
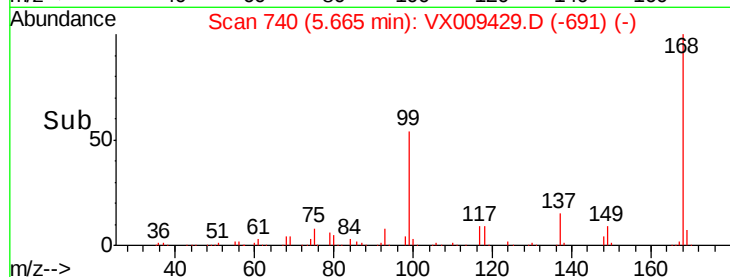
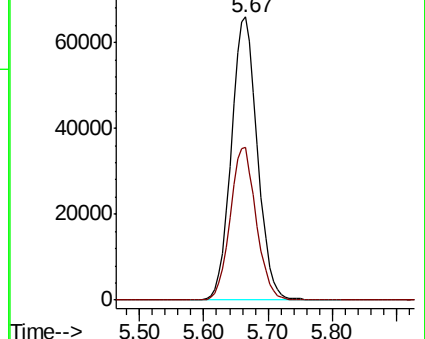
168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 2.728 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX009429.D

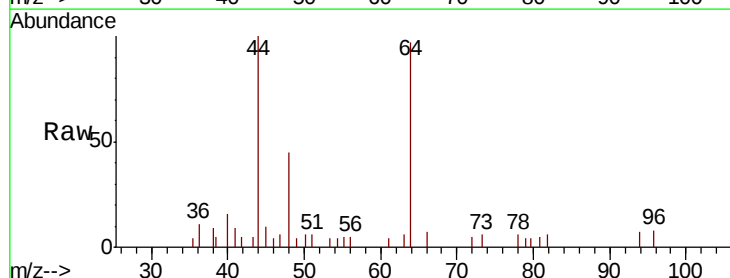
Acq: 09 May 2019 15:48

Tgt Ion: 64 Resp: 4015

Ion Ratio Lower Upper

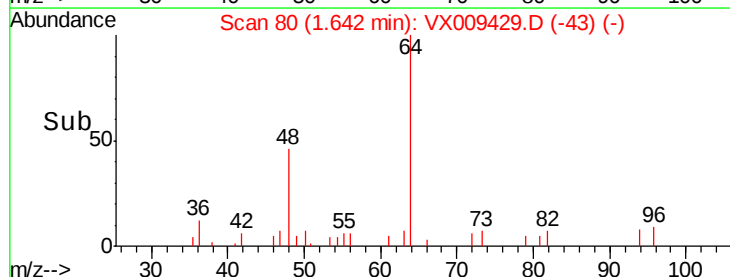
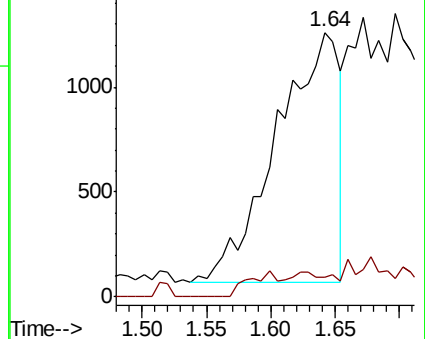
64 100

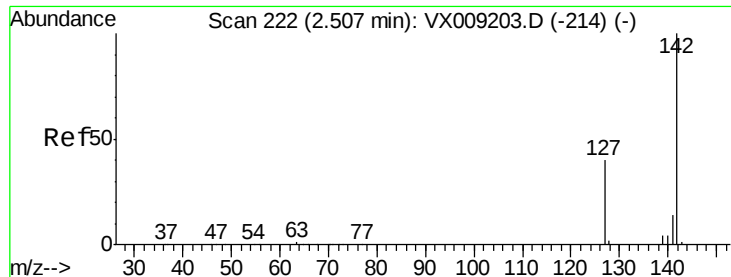
66 7.9 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

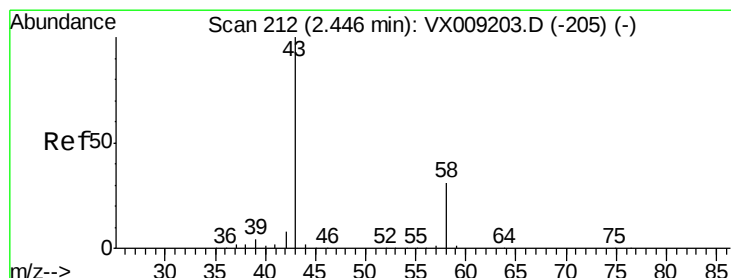
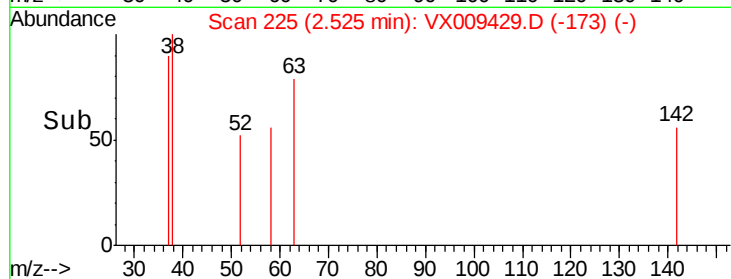
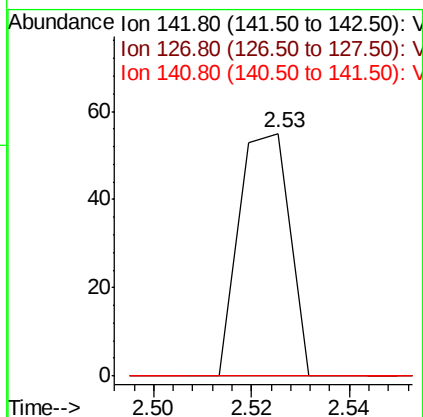
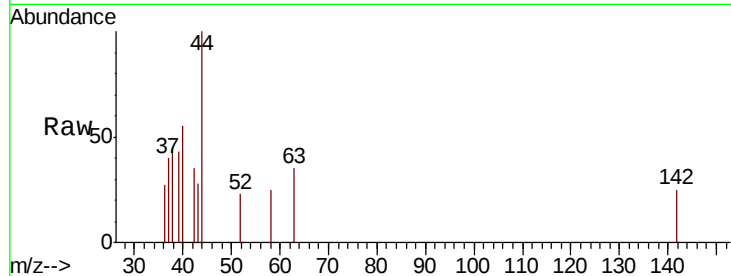




#10
Methyl Iodide
Concen: 4.612 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

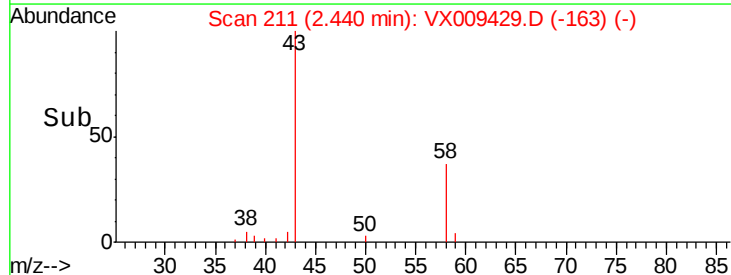
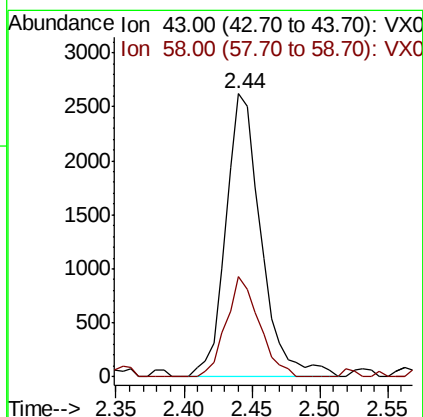
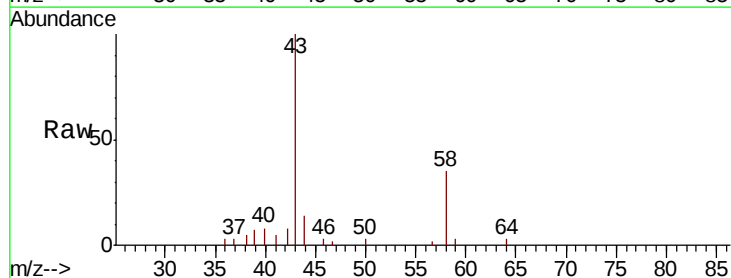
Instrument :
MSVOA_X
ClientSampleId :

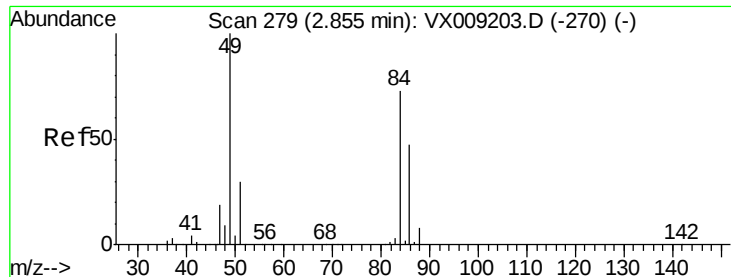
Tot Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 3.457 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

Tgt Ion: 43 Resp: 4735
Ion Ratio Lower Upper
43 100
58 35.3 24.9 37.3

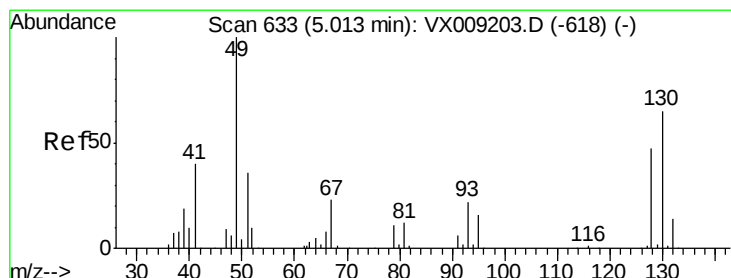
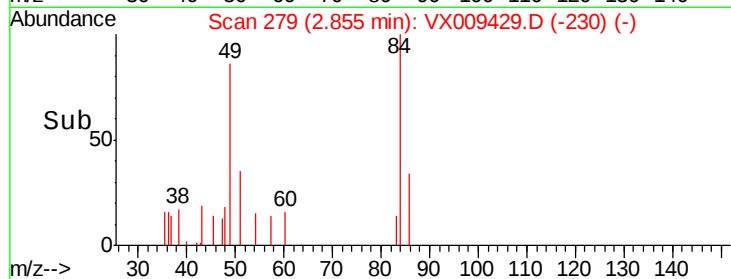
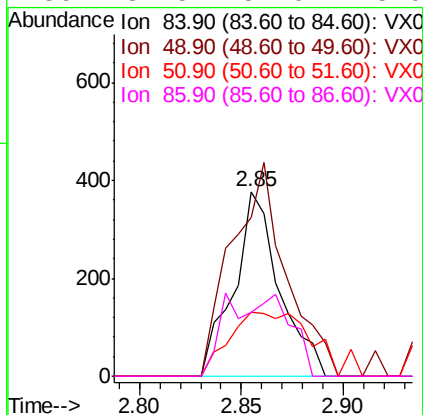
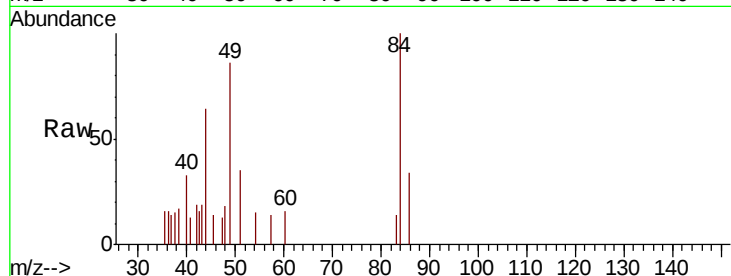




#20
Methvlene Chloride
Concen: 0.265 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

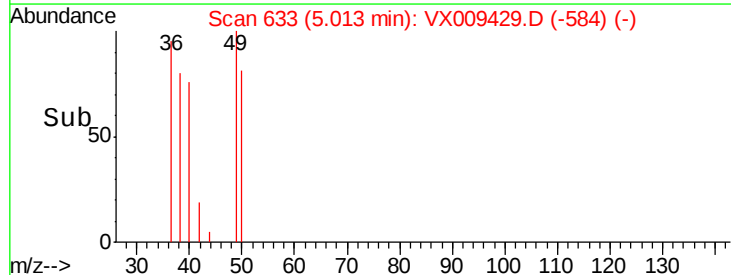
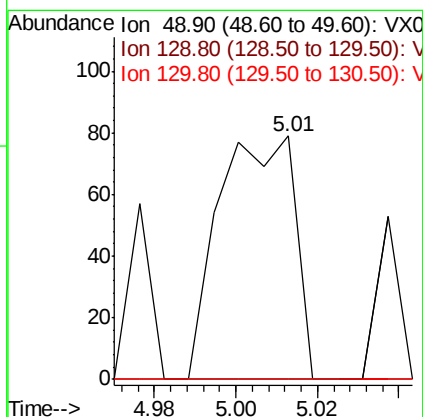
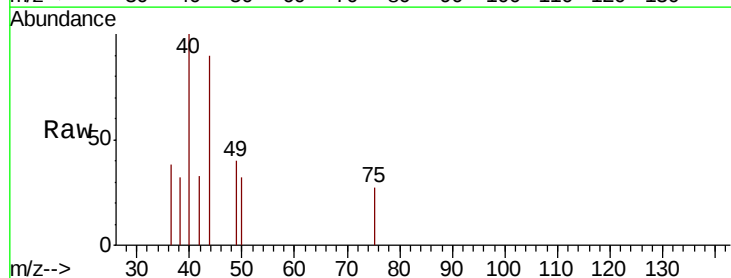
Instrument :
MSVOA_X
ClientSampleId :

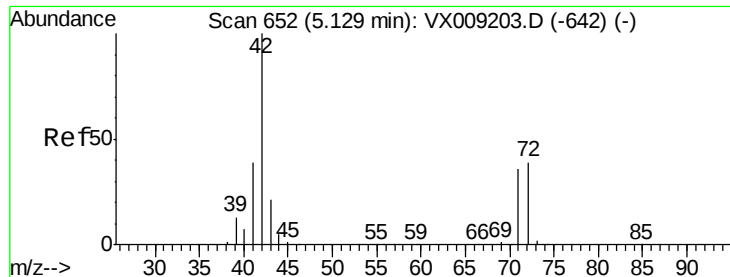
Tot Ion: 84 Resp: 588
Ion Ratio Lower Upper
84 100
49 85.9 109.9 164.9#
51 34.7 32.7 49.1
86 34.5 52.0 78.0#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

Tgt Ion: 49 Resp: 102
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

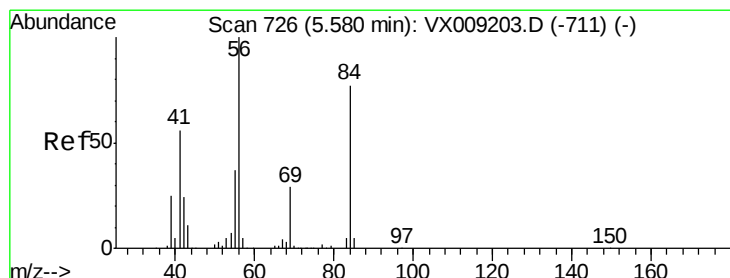
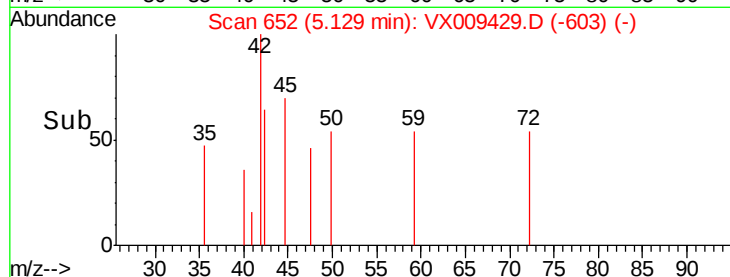
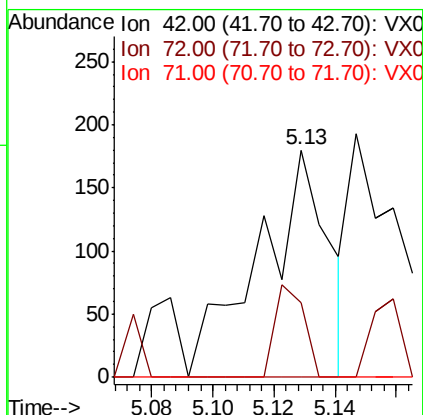
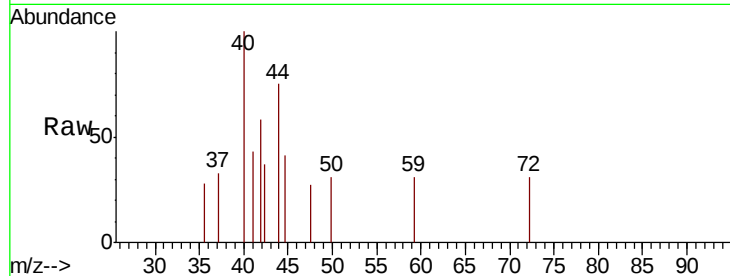




#29
Tetrahydrofuran
Concen: 0.207 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

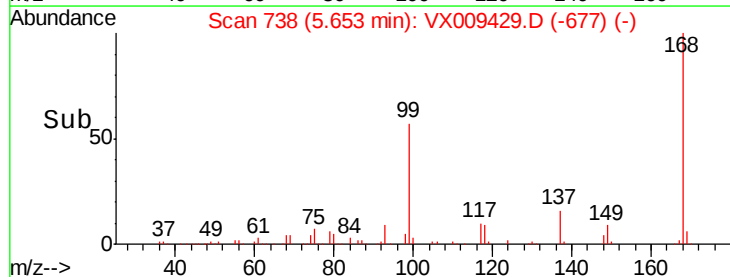
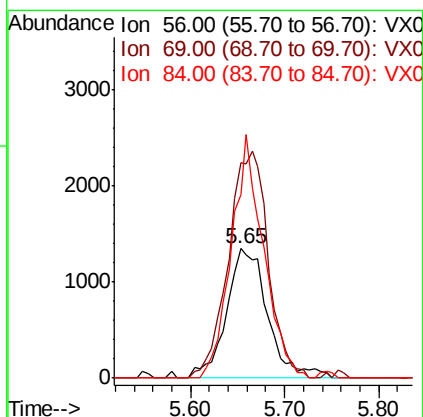
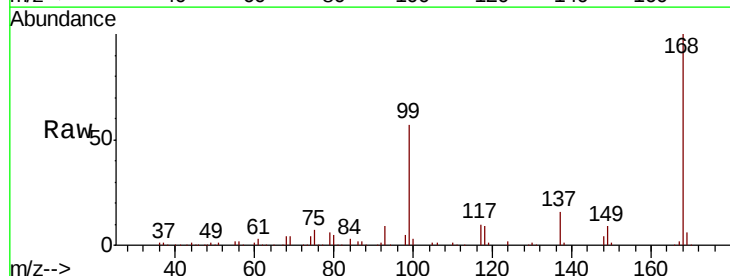
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 42 Resp: 284
Ion Ratio Lower Upper
42 100
72 16.9 30.4 45.6#
71 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

Tgt Ion: 56 Resp: 4109
Ion Ratio Lower Upper
56 100
69 166.9 23.4 35.0#
84 141.8 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 47.719 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009429.D

Acq: 09 May 2019 15:48

Instrument :

MSVOA_X

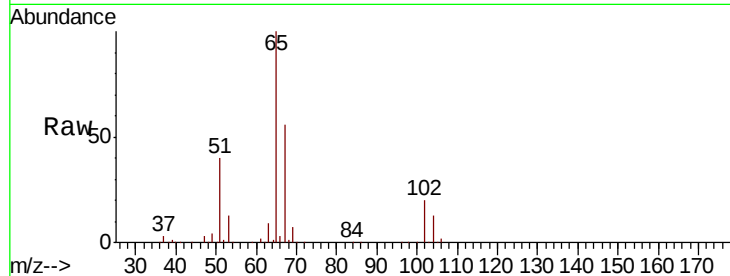
ClientSampled :

Tot Ion: 65 Resp: 121719

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

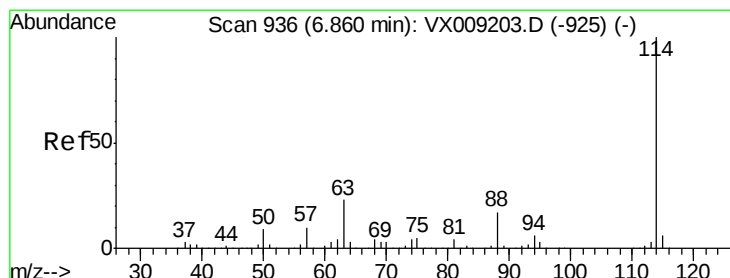
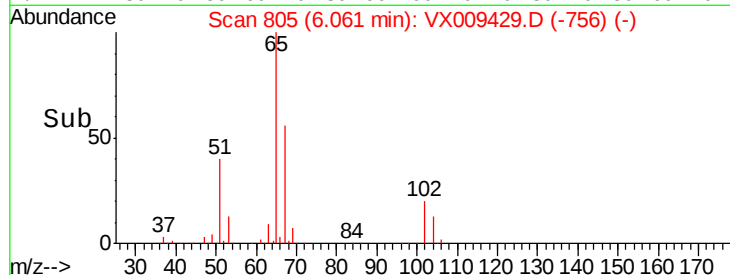
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009429.D

Acq: 09 May 2019 15:48

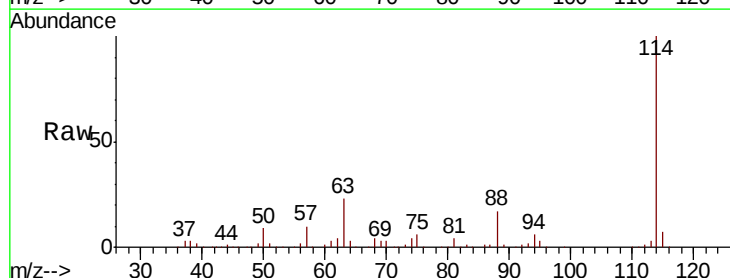
Tgt Ion: 114 Resp: 296784

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

88 16.7 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

6.86

150000

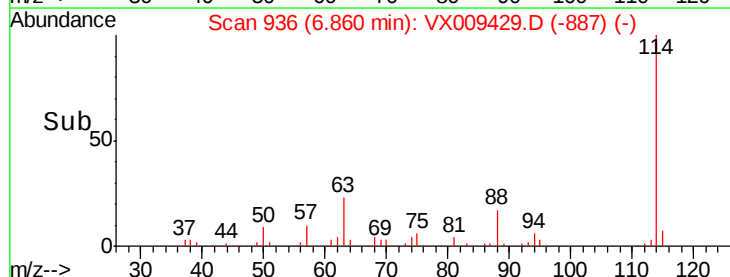
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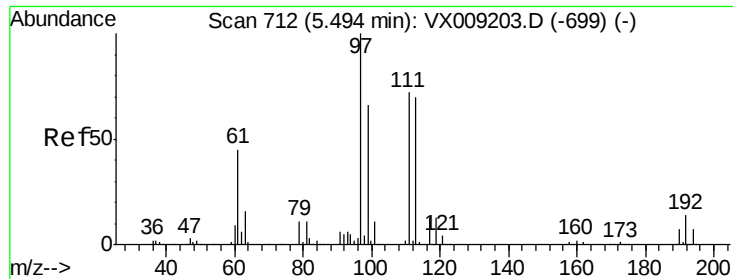
50000

0

Time-->

6.70 6.80 6.90 7.00

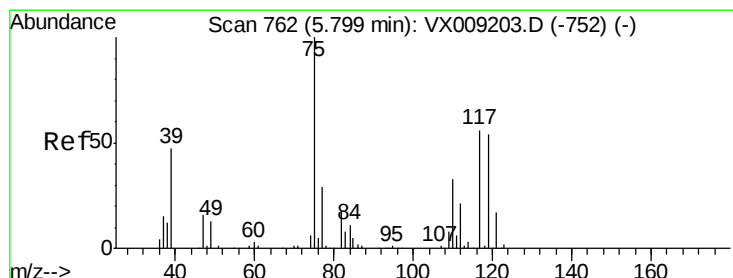
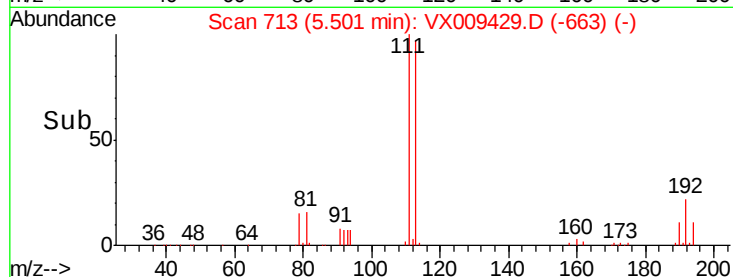
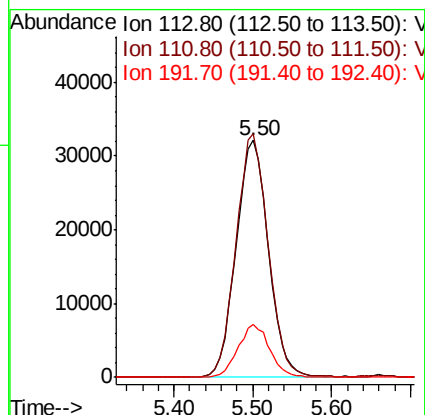
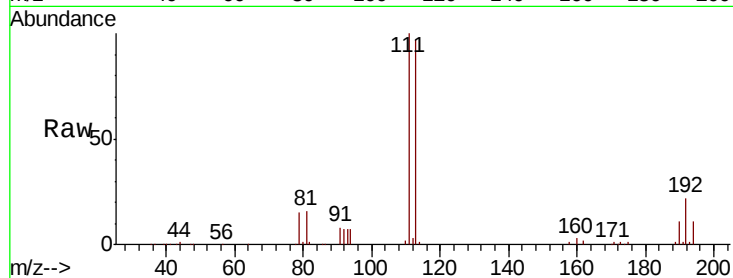




#35
 Dibromofluoromethane
 Concen: 49.265 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009429.D
 Acq: 09 May 2019 15:48

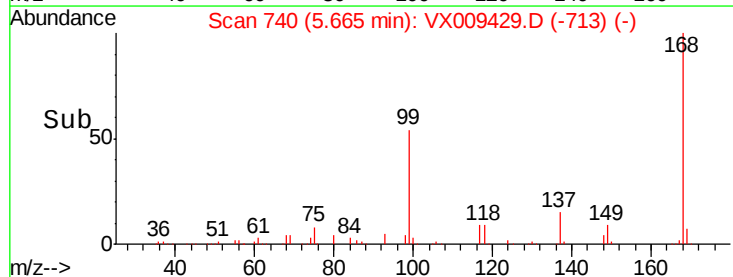
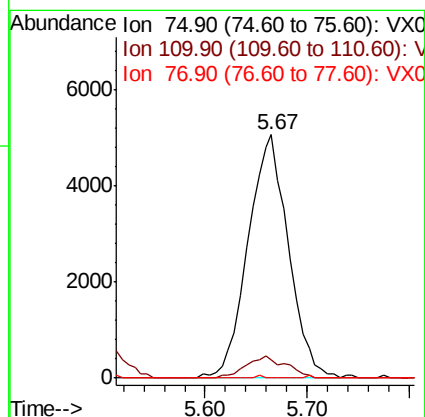
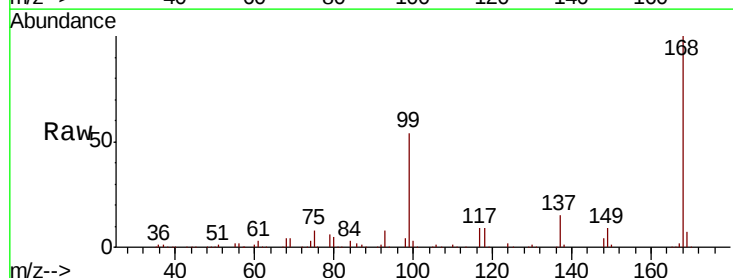
Instrument :
 MSVOA_X
 ClientSampleId :

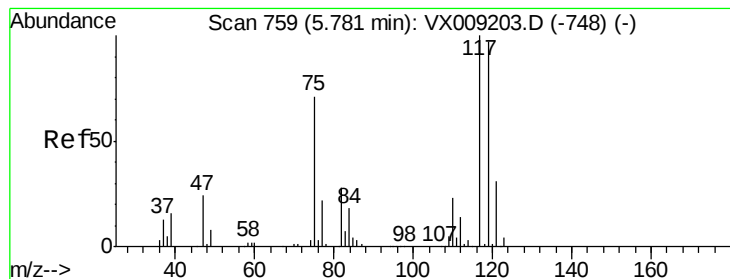
Tot Ion:113 Resp: 91914
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009429.D
 Acq: 09 May 2019 15:48

Tgt Ion: 75 Resp: 13915
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.662 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009429.D

Acq: 09 May 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

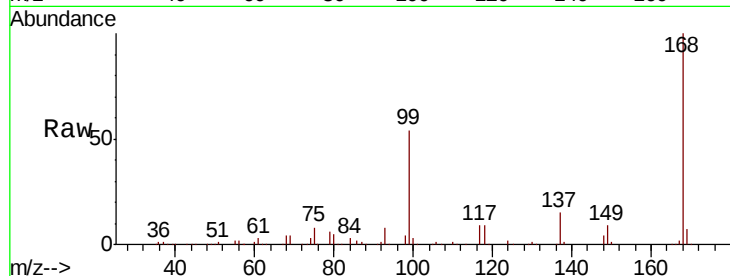
Tot Ion:117 Resp: 16693

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

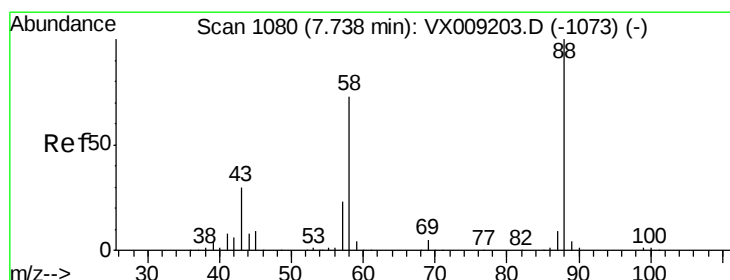
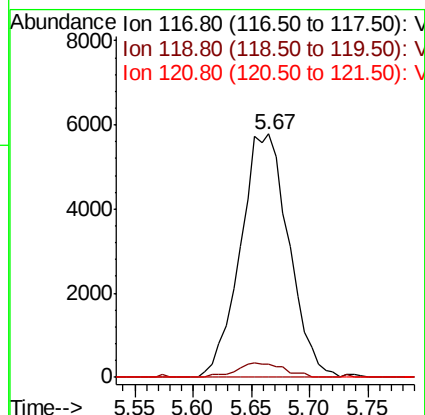
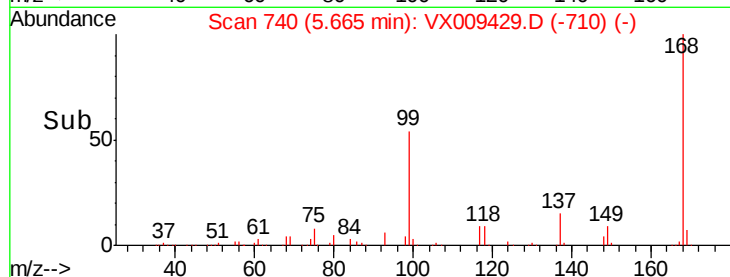
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.323 ug/l

RT: 7.59 min Scan# 1055

Delta R.T. -0.15 min

Lab File: VX009429.D

Acq: 09 May 2019 15:48

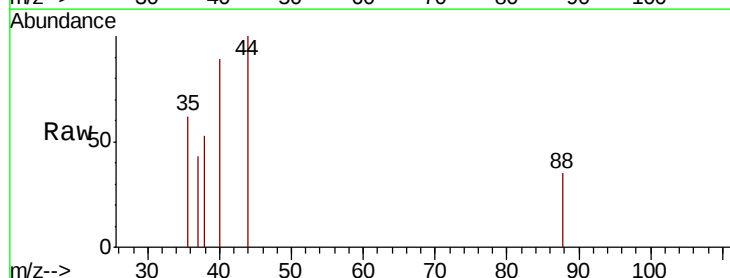
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 95.0 28.6 42.8#

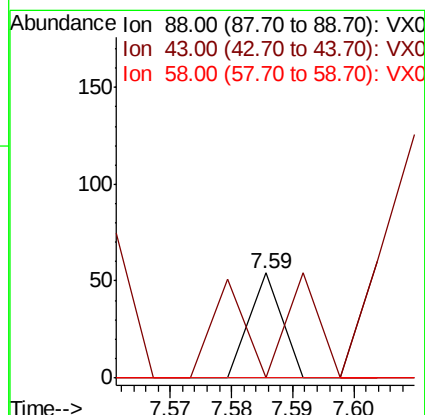
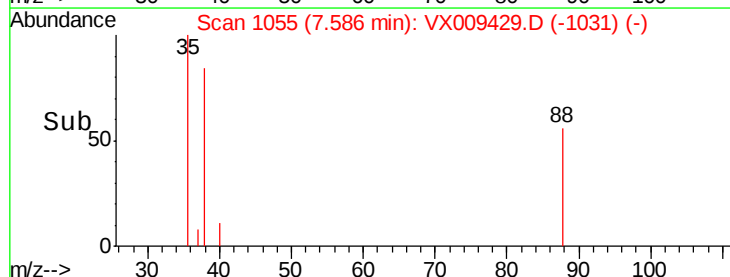
58 0.0 61.7 92.5#

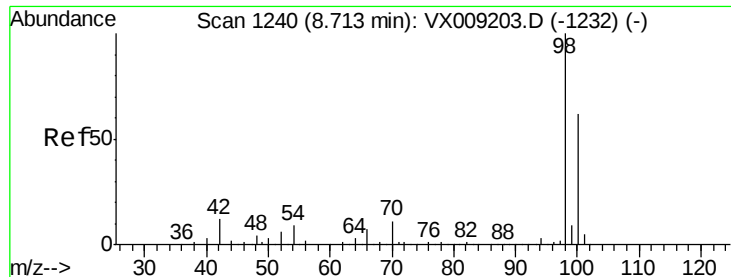


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.023 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009429.D

Acq: 09 May 2019 15:48

Instrument :

MSVOA_X

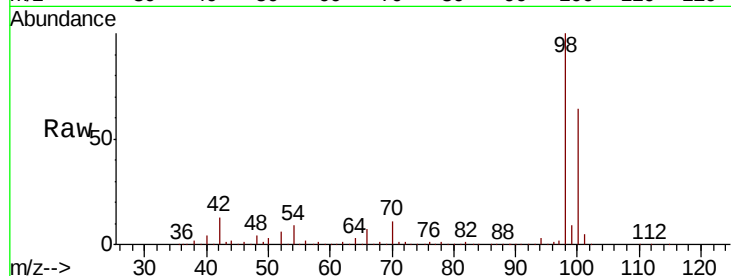
ClientSampleId :

Tot Ion: 98 Resp: 369258

Ion Ratio Lower Upper

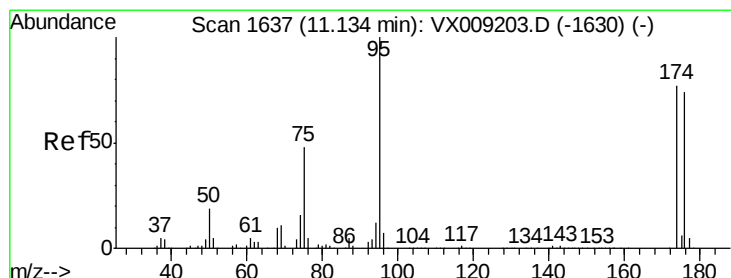
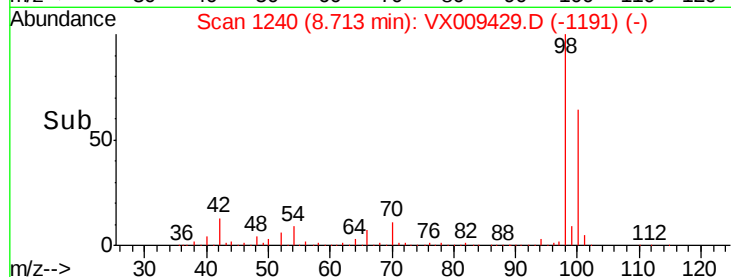
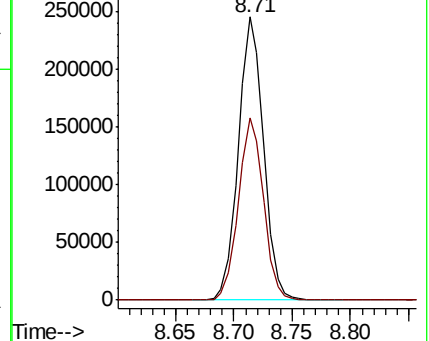
98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.003 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009429.D

Acq: 09 May 2019 15:48

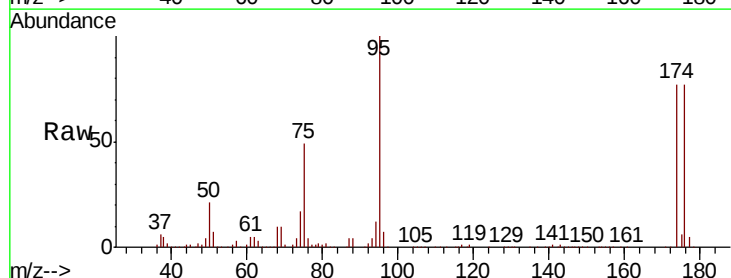
Tgt Ion: 95 Resp: 123170

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

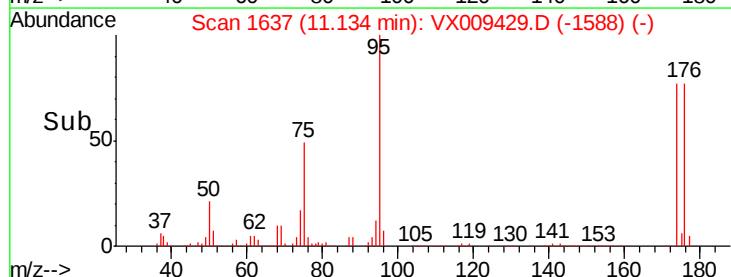
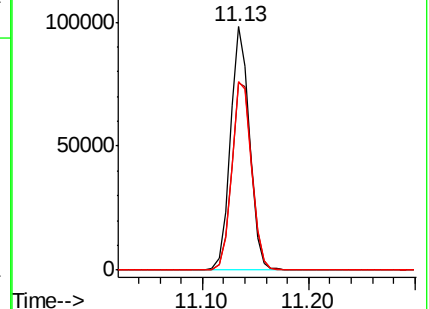
176 80.2 0.0 159.2

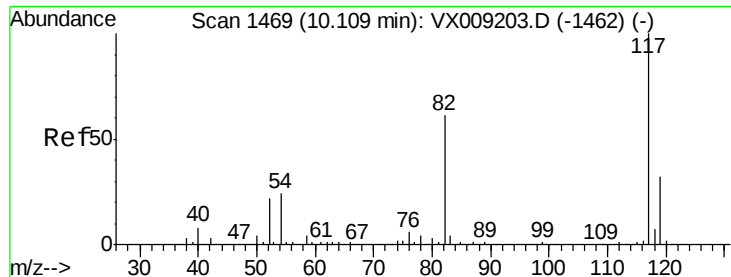


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

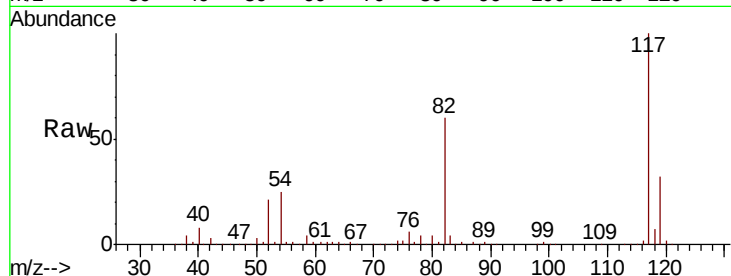




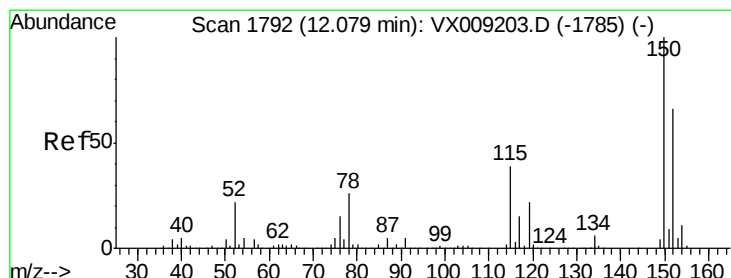
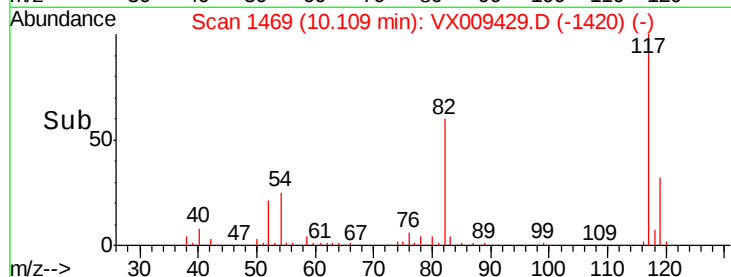
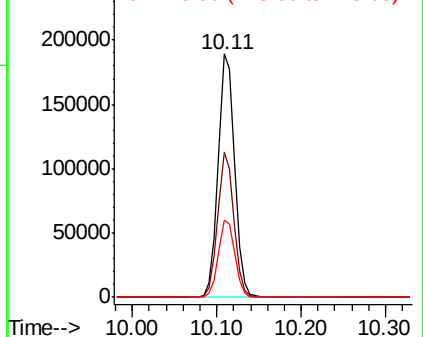
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 258866
Ion Ratio Lower Upper
117 100
82 59.7 48.8 73.2
119 31.7 25.8 38.6

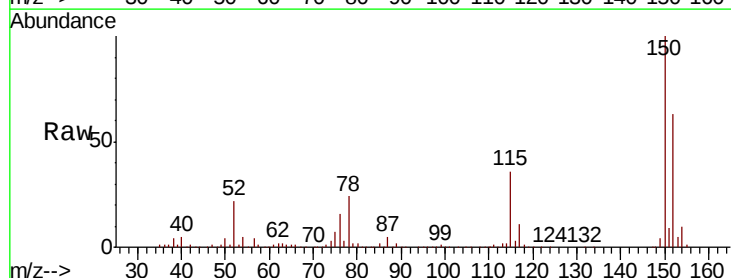


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

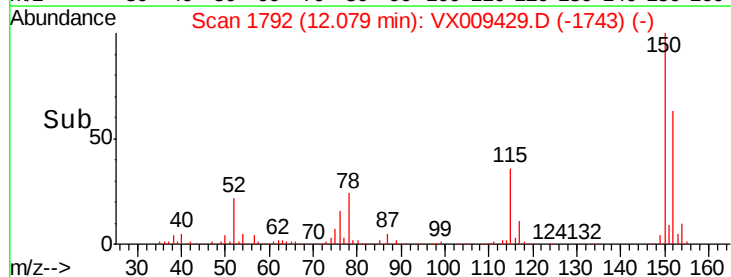
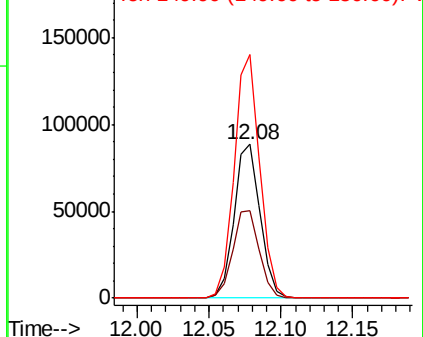


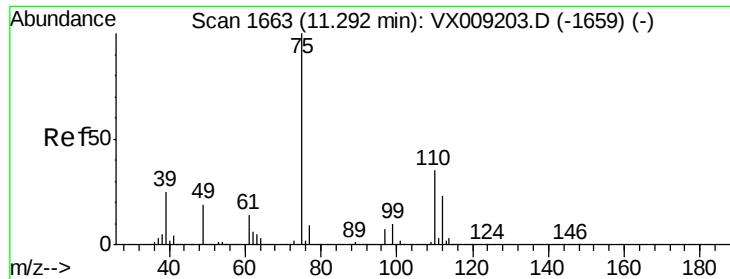
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009429.D
Acq: 09 May 2019 15:48

Tgt Ion:152 Resp: 111230
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 156.1 0.0 346.4



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

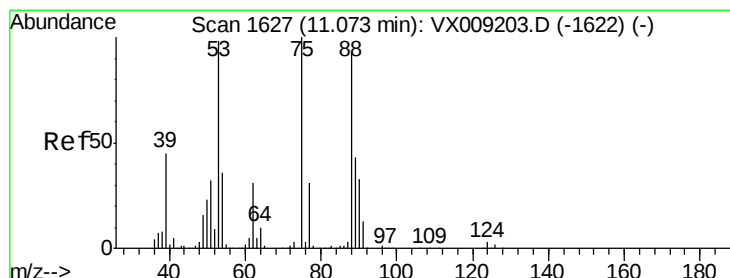
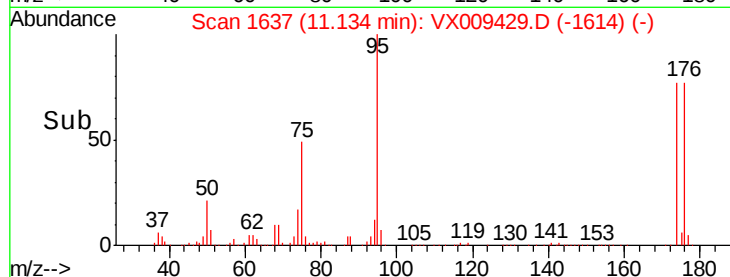
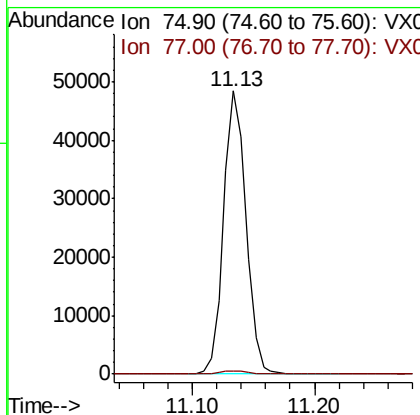
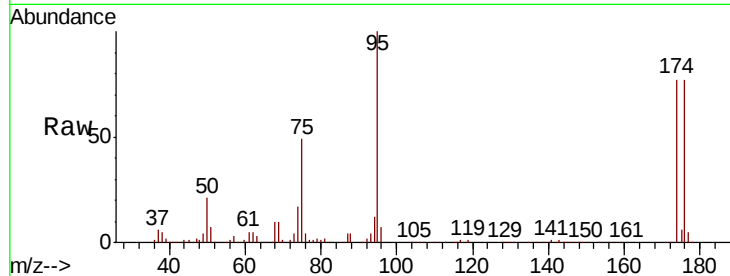




#76
 1,2,3-Trichloropropane
 Concen: 23.875 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009429.D
 Acq: 09 May 2019 15:48

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 61602
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.089 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009429.D
 Acq: 09 May 2019 15:48

Tgt Ion: 75 Resp: 61602
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

