

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012909.D
 Acq On : 09 Oct 2019 00:02
 Operator : JC/SP
 Sample : K5190-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 03:46:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309003	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103857	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	117454	52.02	ug/l	0.00
Spiked Amount						
			Recovery	=	104.04%	
35) Dibromofluoromethane	5.49	113	90723	51.15	ug/l	0.00
Spiked Amount						
			Recovery	=	102.30%	
50) Toluene-d8	8.71	98	359154	51.92	ug/l	0.00
Spiked Amount						
			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	125525	46.70	ug/l	0.00
Spiked Amount						
			Recovery	=	93.40%	

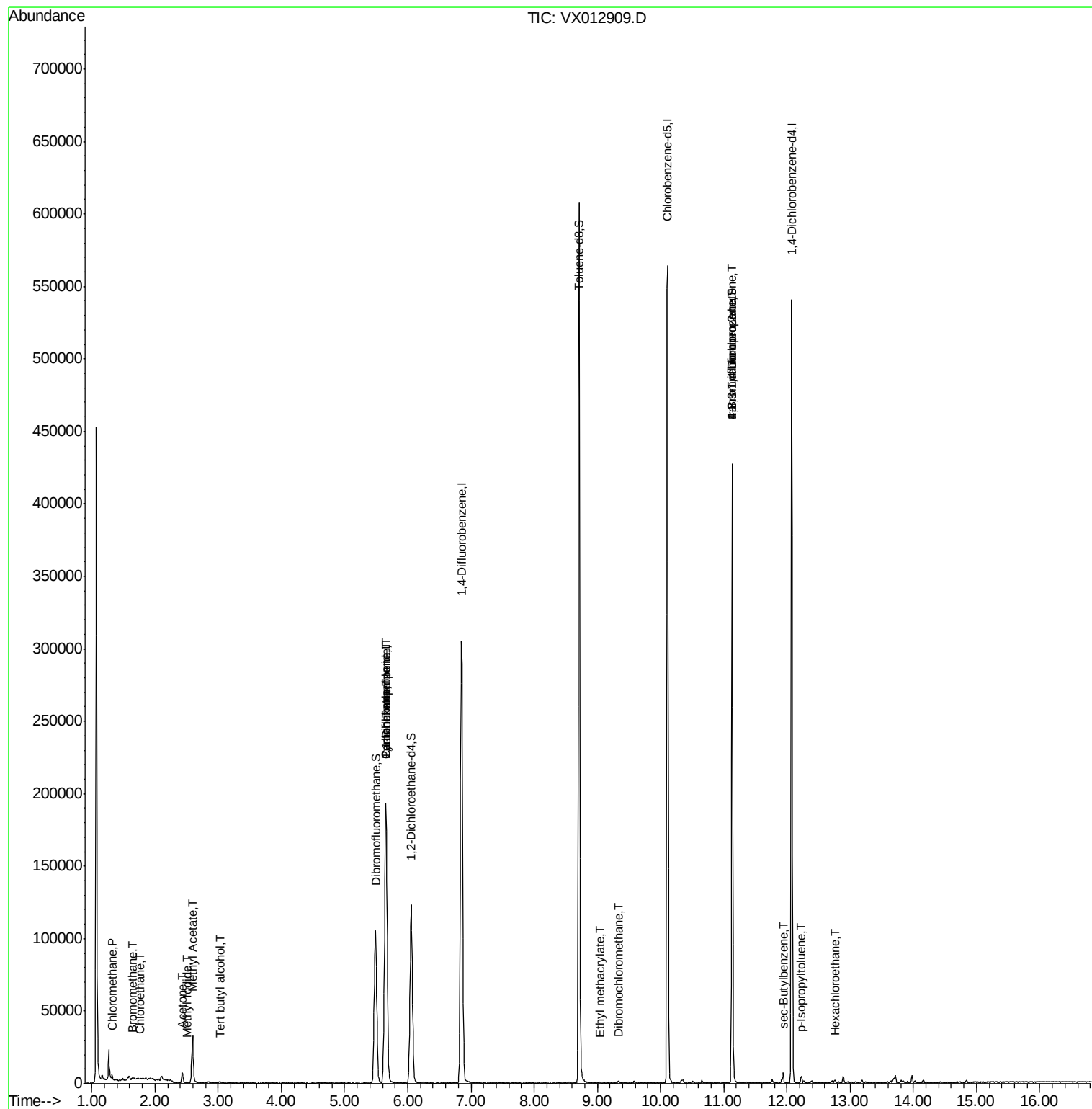
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1526	0.762	ug/l #	86
5) Bromomethane	1.64	94	432	0.502	ug/l	85
6) Chloroethane	1.77	64	102	0.448	ug/l #	43
10) Methyl Iodide	2.50	142	272	5.201	ug/l #	70
11) Tert butyl alcohol	3.02	59	879	1.469	ug/l #	86
16) Acetone	2.43	43	7643	6.422	ug/l	95
18) Methyl Acetate	2.59	43	9064	3.213	ug/l #	51
31) Cyclohexane	5.65	56	4006	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14105	5.192	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18266	6.908	ug/l #	17
56) Ethyl methacrylate	9.04	69	63	1.848	ug/l #	1
60) Dibromochloromethane	9.32	129	222	1.952	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	62417	27.096	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	62417	68.070	ug/l #	10
85) sec-Butylbenzene	11.94	105	3652	0.507	ug/l	98
86) p-Isopropyltoluene	12.23	119	2169	0.325	ug/l	93
90) Hexachloroethane	12.75	117	627	2.603	ug/l #	13

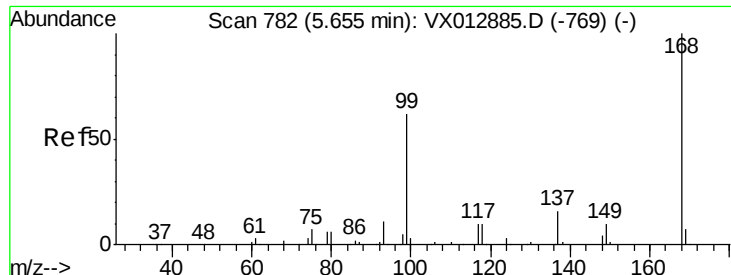
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

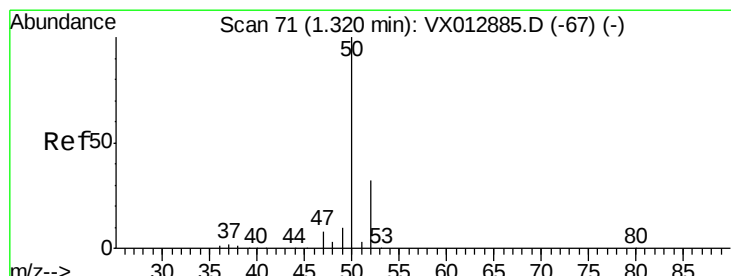
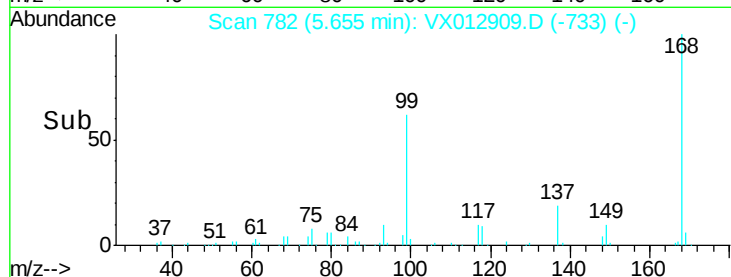
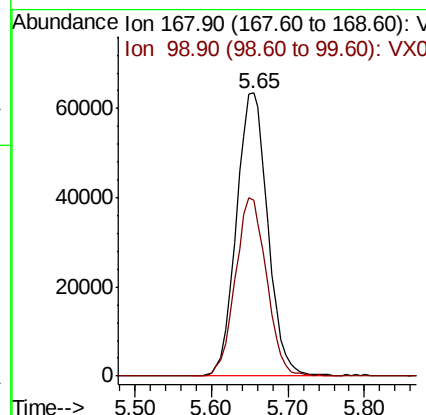
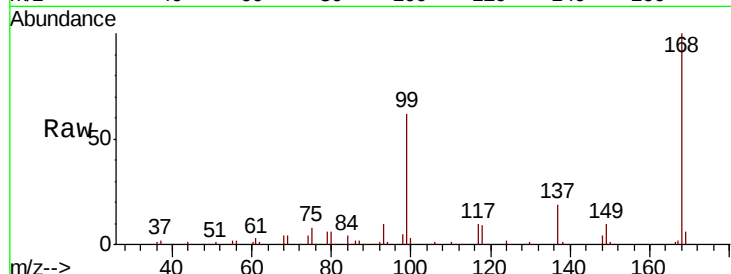




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

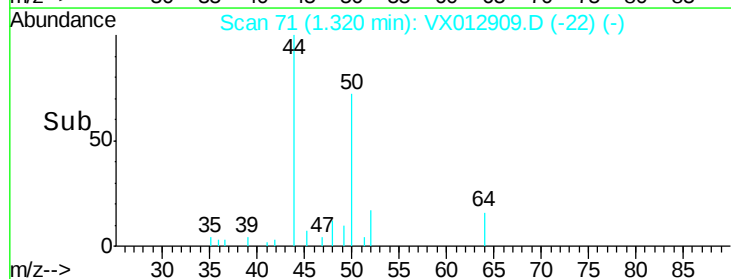
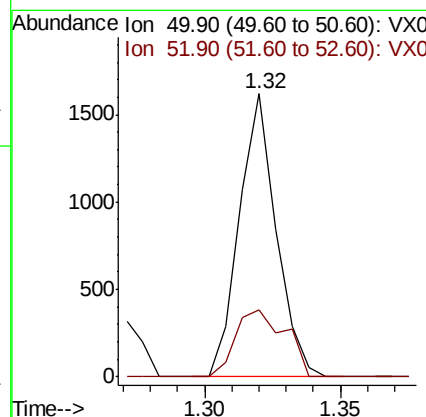
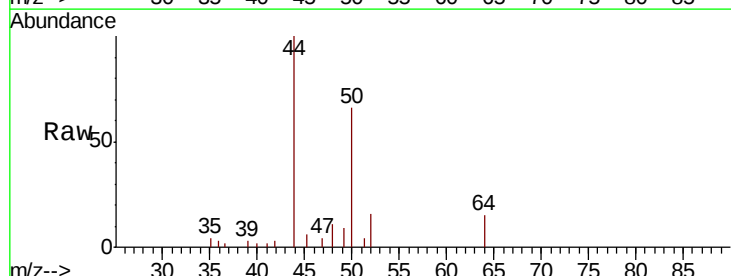
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 180643
Ion Ratio Lower Upper
168 100
99 62.1 49.4 74.0



#3
Chloromethane
Concen: 0.762 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

Tgt Ion: 50 Resp: 1526
Ion Ratio Lower Upper
50 100
52 23.8 25.2 37.8#

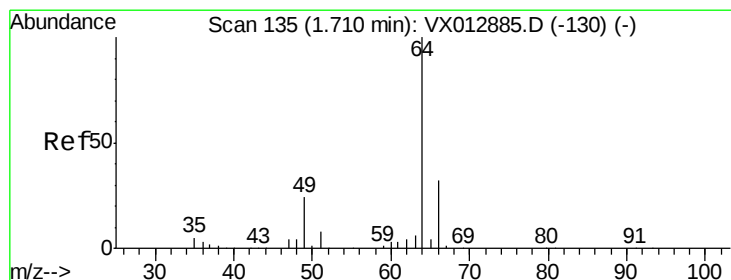
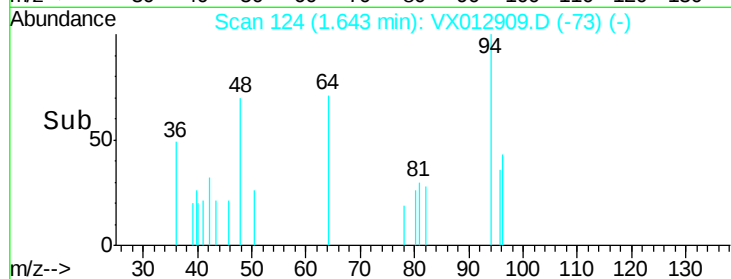
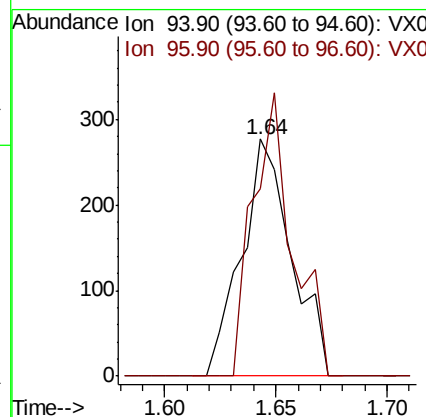
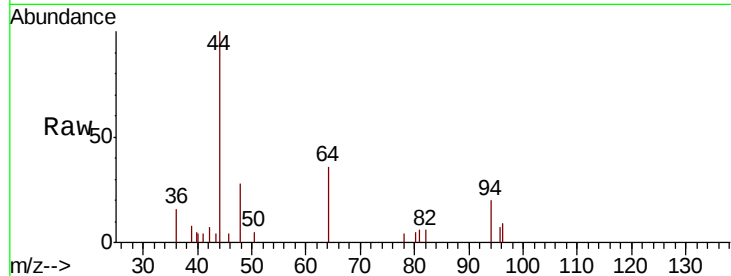




#5
Bromomethane
Concen: 0.502 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

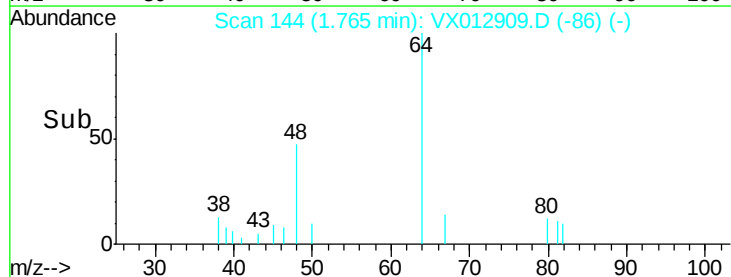
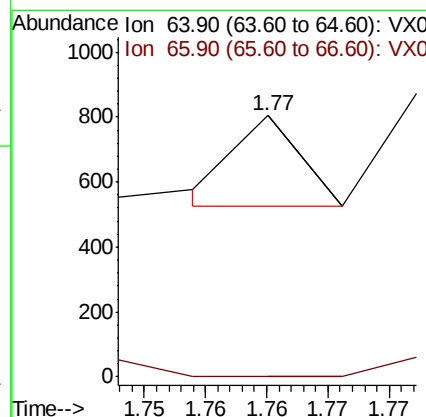
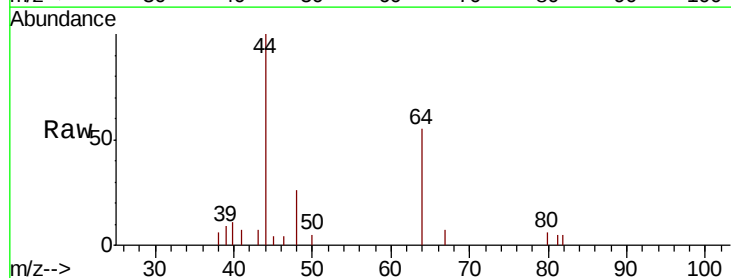
Instrument :
MSVOA_X
ClientSampled :

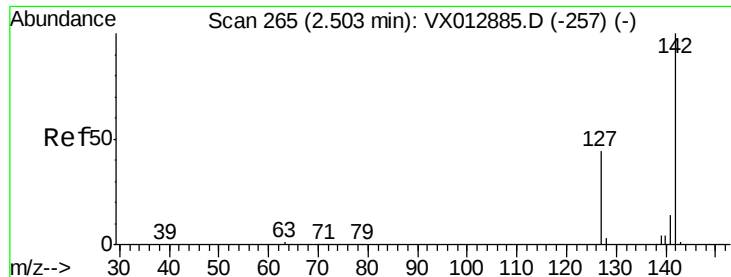
Tot Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 79.1 74.7 112.1



#6
Chloroethane
Concen: 0.448 ug/l
RT: 1.77 min Scan# 144
Delta R.T. 0.06 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

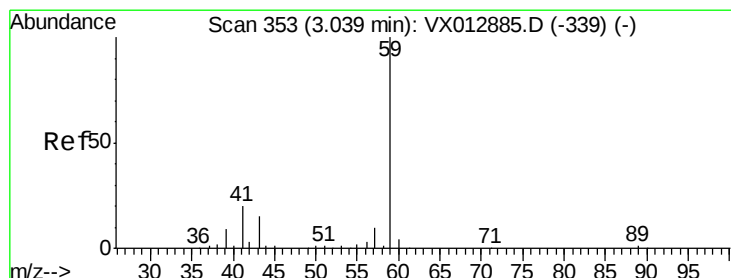
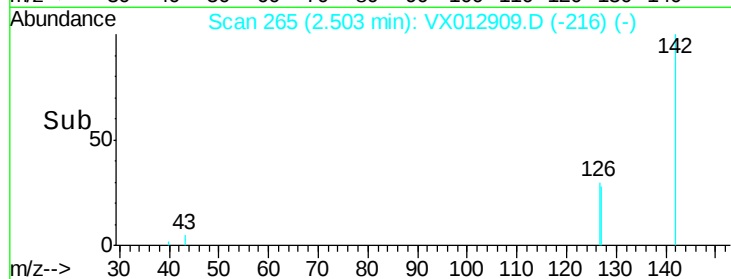
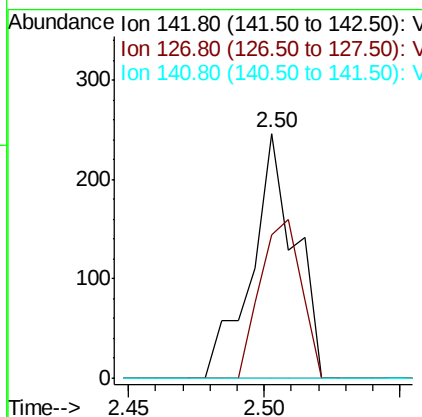
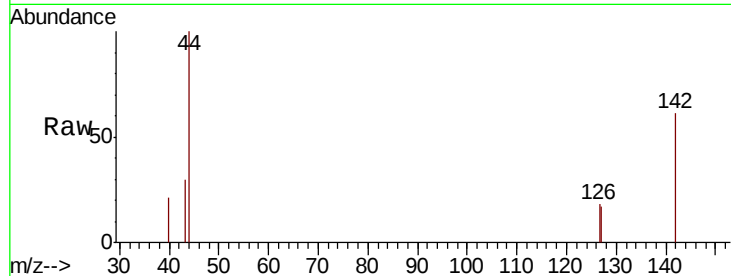




#10
Methvl Iodide
Concen: 5.201 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

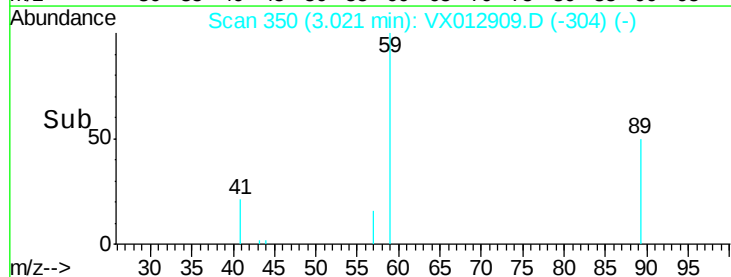
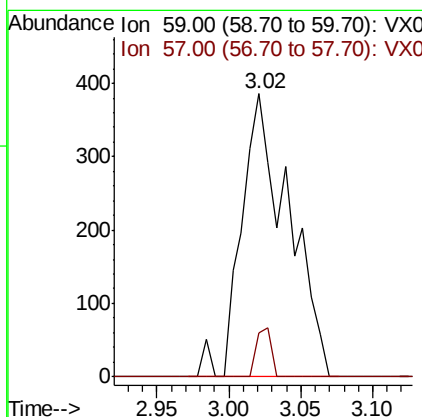
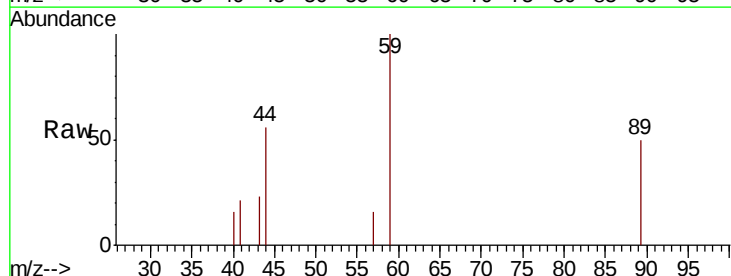
Instrument :
MSVOA_X
ClientSampleId :

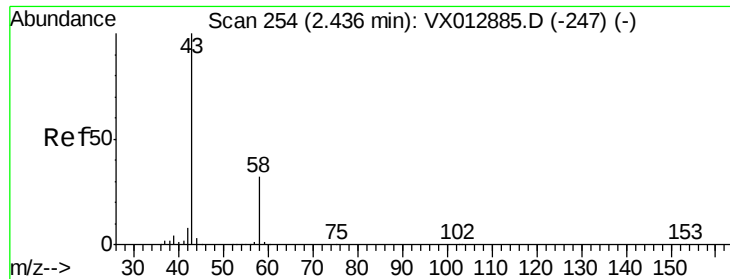
Tot Ion:142 Resp: 272
Ion Ratio Lower Upper
142 100
127 61.4 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.469 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

Tgt Ion: 59 Resp: 879
Ion Ratio Lower Upper
59 100
57 5.2 8.3 12.5#





#16

Acetone

Concen: 6.422 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

Instrument :

MSVOA_X

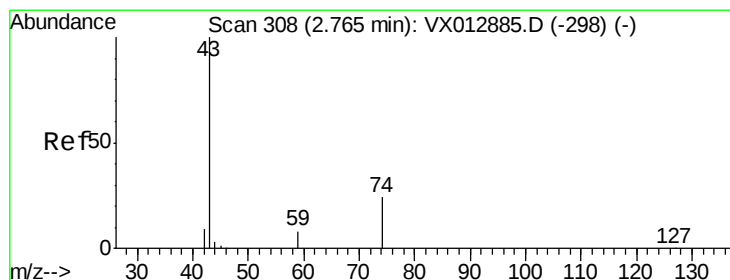
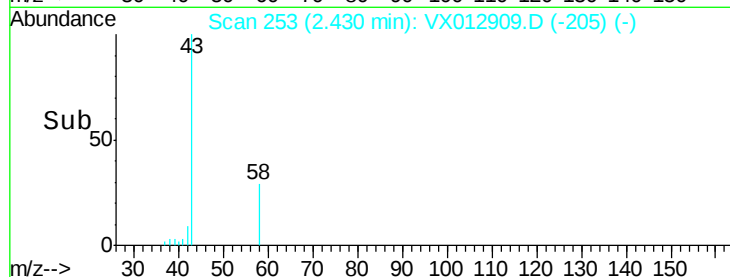
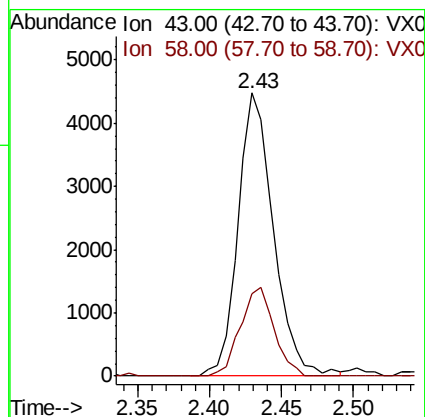
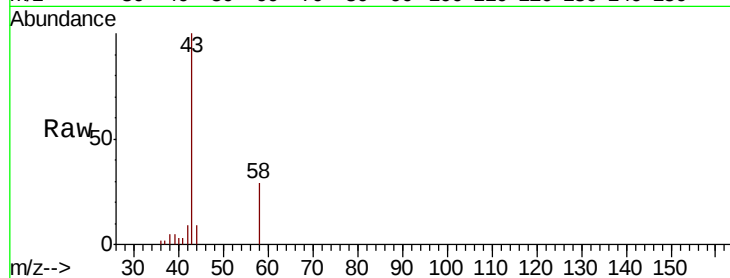
ClientSampleId :

Tot Ion: 43 Resp: 7643

Ion Ratio Lower Upper

43 100

58 29.1 25.4 38.2



#18

Methyl Acetate

Concen: 3.213 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.18 min

Lab File: VX012909.D

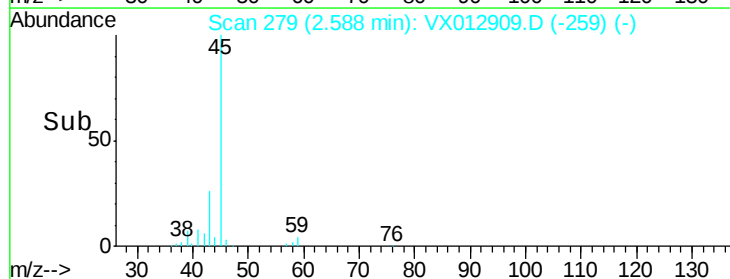
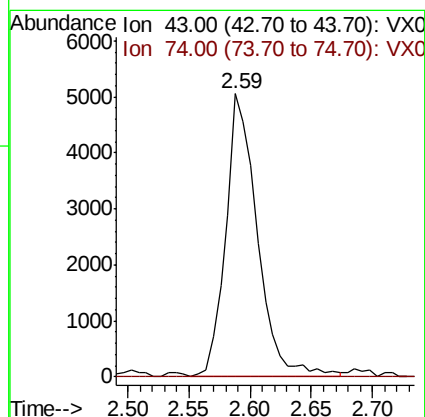
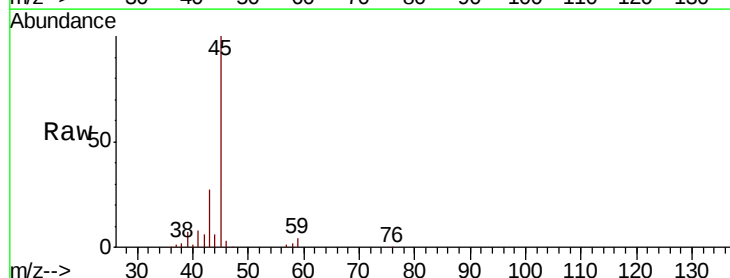
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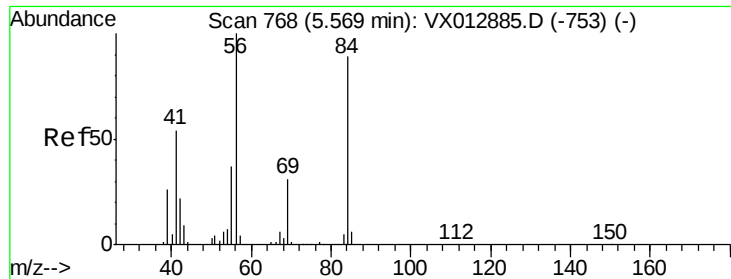
Tgt Ion: 43 Resp: 9064

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

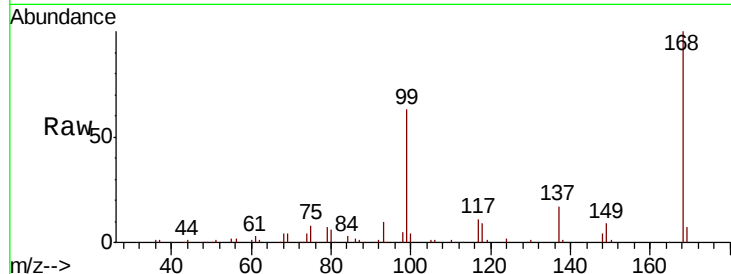




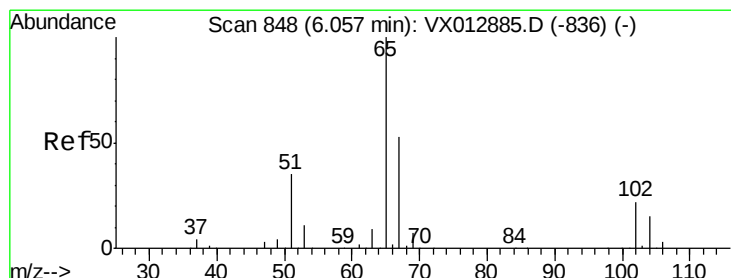
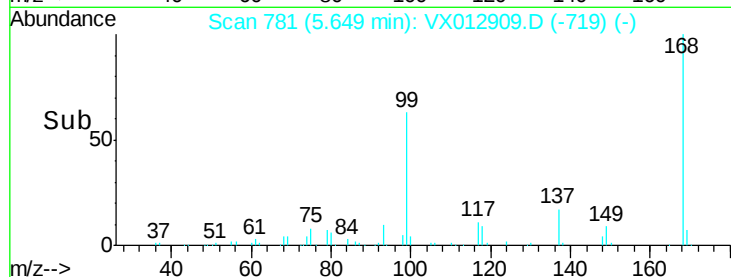
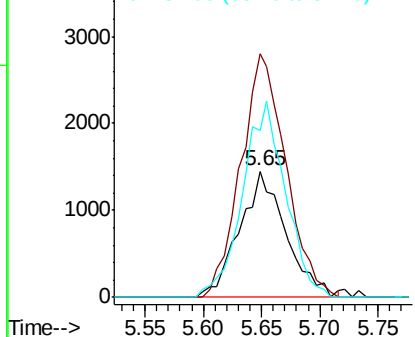
#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 4006
Ion Ratio Lower Upper
56 100
69 192.9 25.2 37.8#
84 132.4 71.3 106.9#

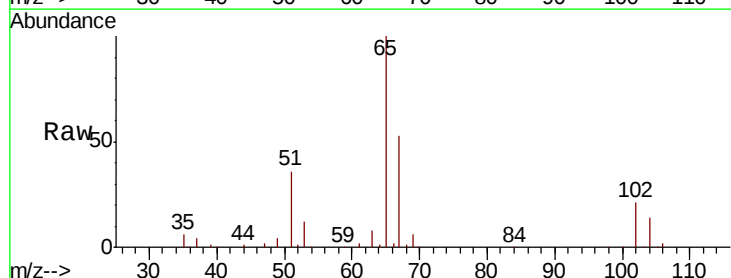


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

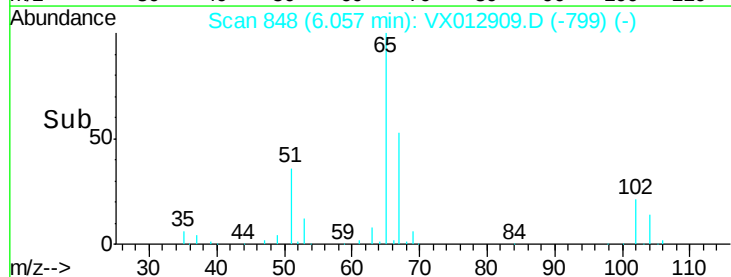
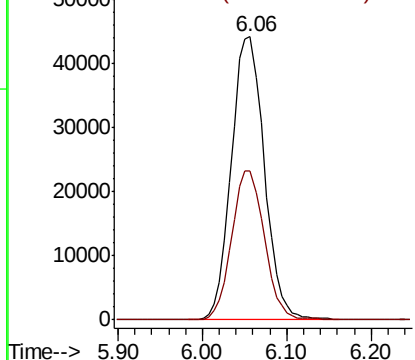


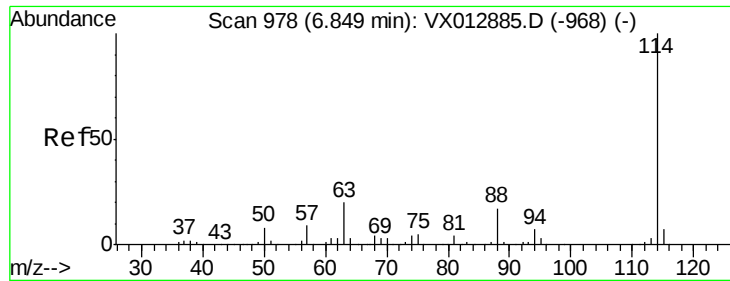
#33
1,2-Dichloroethane-d4
Concen: 52.021 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.00 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

Tgt Ion: 65 Resp: 117454
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.4



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

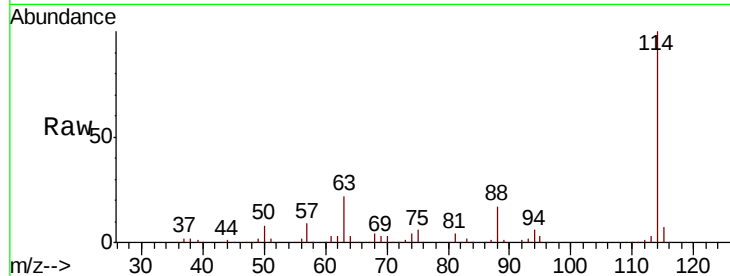




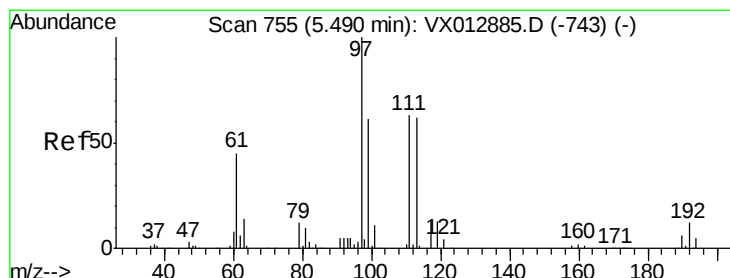
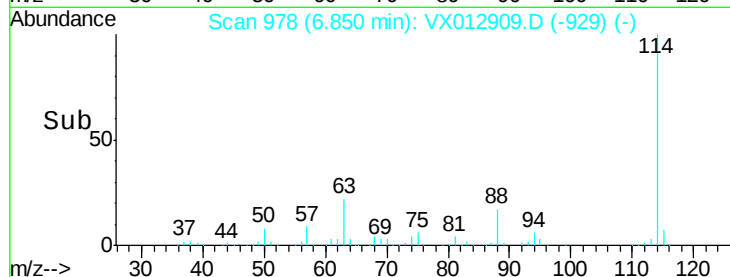
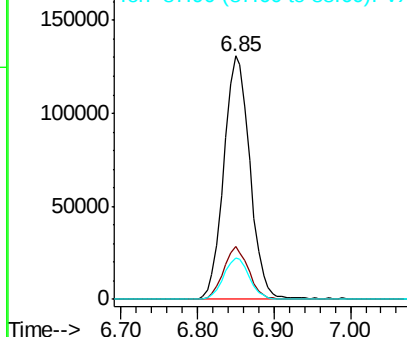
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012909.D
 Acq: 09 Oct 2019 00:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	40.8
88	17.1	0.0	33.8

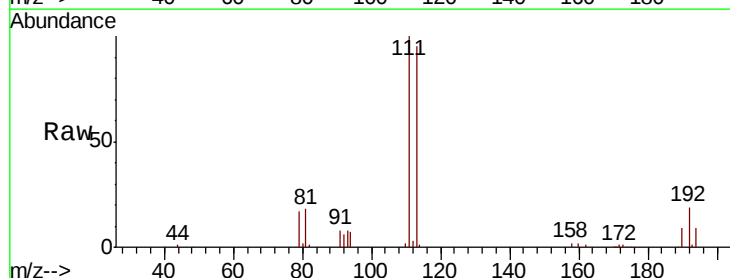


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

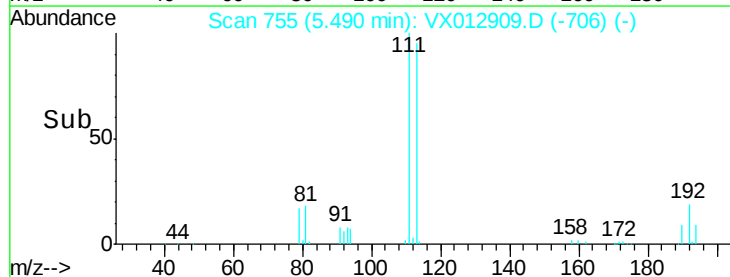
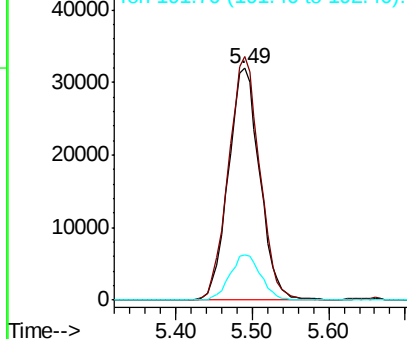


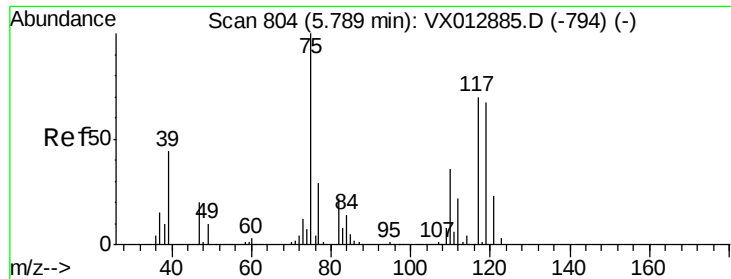
#35
 Dibromofluoromethane
 Concen: 51.154 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012909.D
 Acq: 09 Oct 2019 00:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.2	124.8
192	19.3	15.4	23.2



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

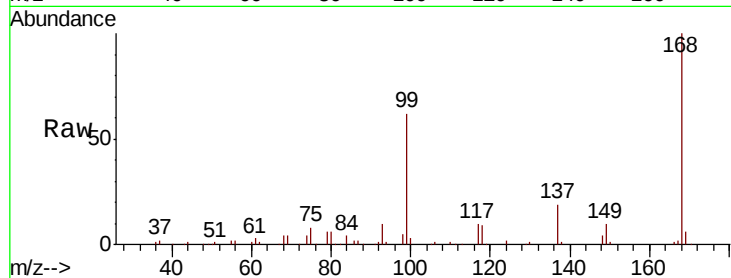




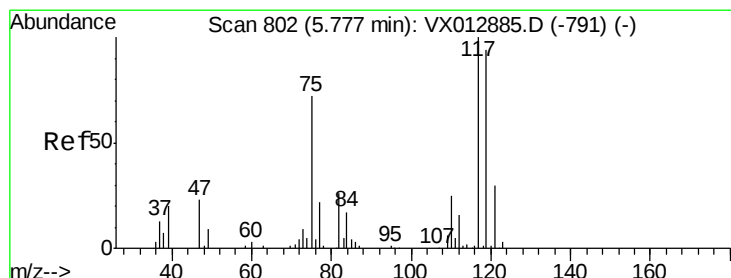
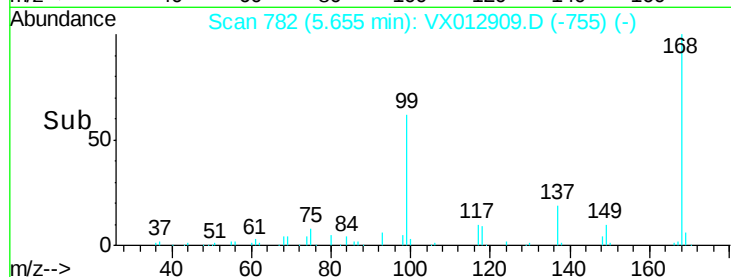
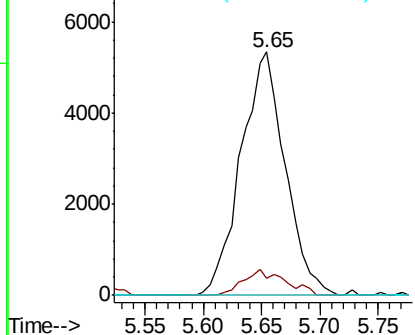
#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012909.D
 Acq: 09 Oct 2019 00:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.6	52.9#
77	0.0	24.4	36.6#

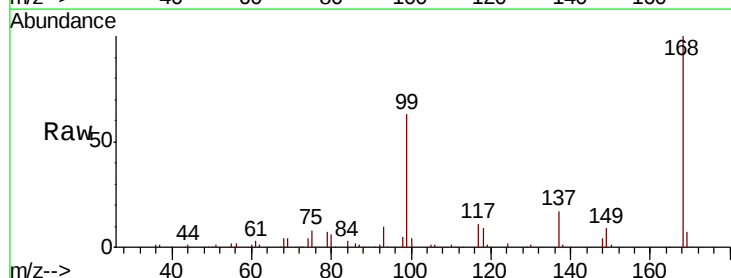


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

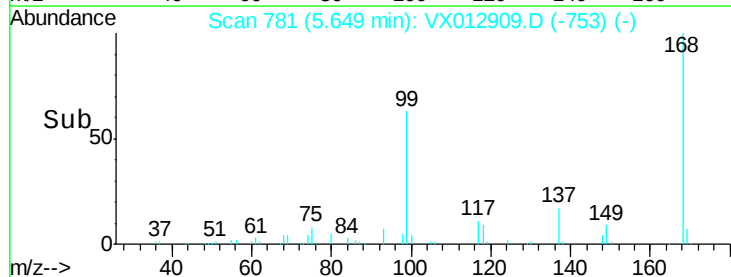
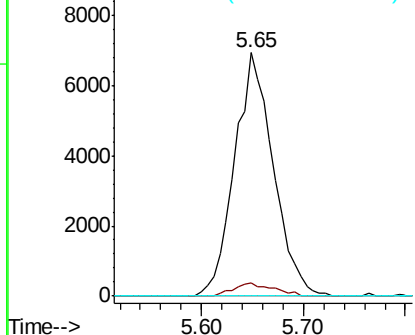


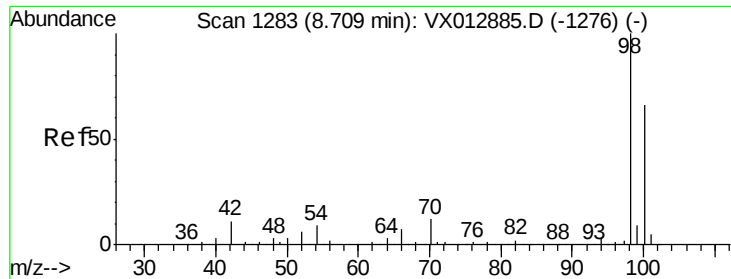
#38
 Carbon Tetrachloride
 Concen: 6.908 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012909.D
 Acq: 09 Oct 2019 00:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.5	111.7#
121	0.0	24.2	36.4#



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: 51.922 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

Instrument :

MSVOA_X

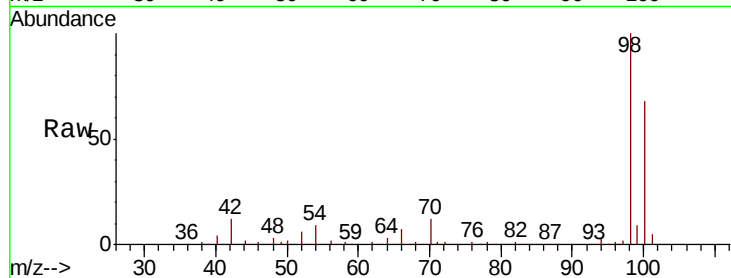
ClientSampled :

Tot Ion: 98 Resp: 359154

Ion Ratio Lower Upper

98 100

100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

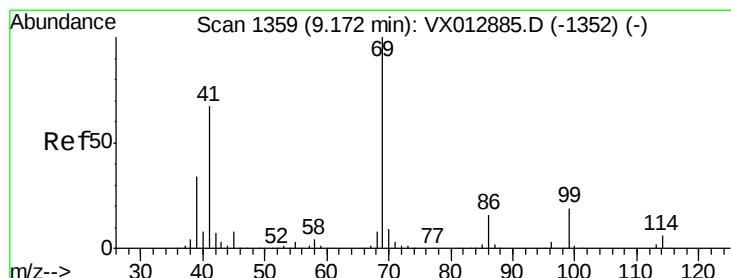
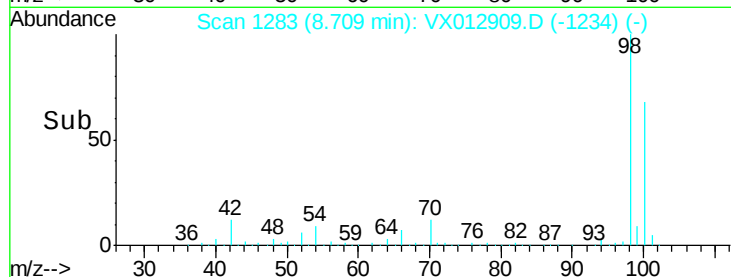
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#56

Ethyl methacrylate

Concen: 1.848 ug/l

RT: 9.04 min Scan# 1338

Delta R.T. -0.13 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

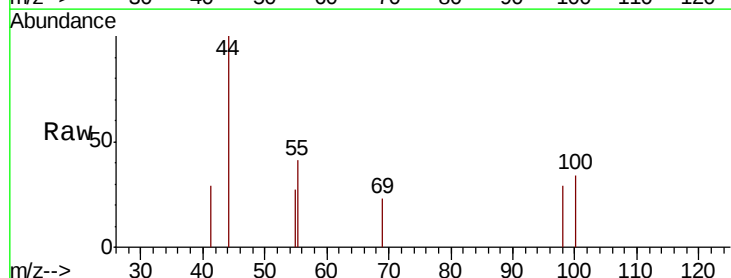
Tgt Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 211.1 52.1 78.1#

39 0.0 27.8 41.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

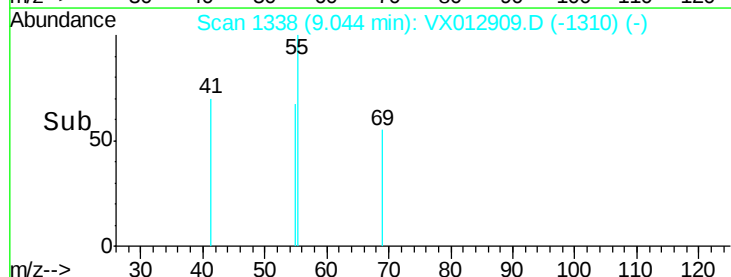
Ion 39.00 (38.70 to 39.70): VX0

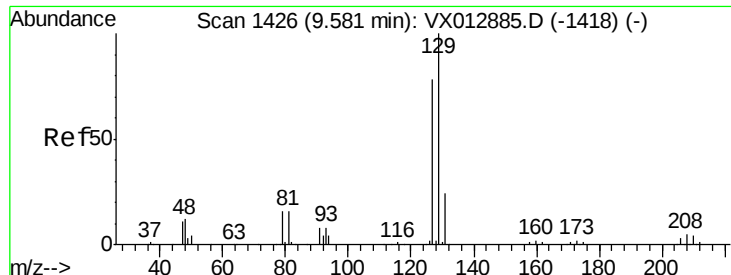
100

50

0

Time--> 9.00 9.02 9.04 9.06

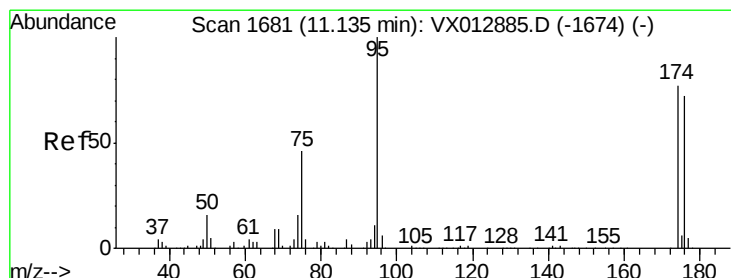
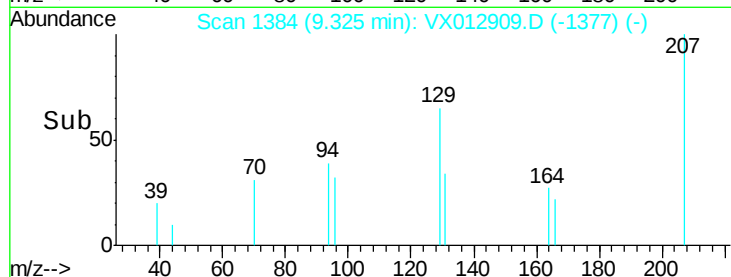
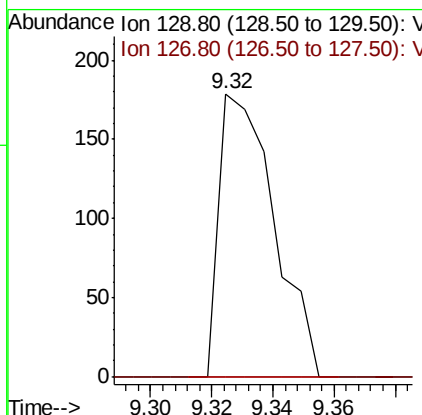
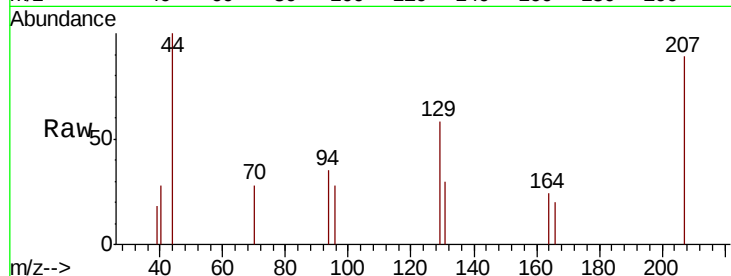




#60
 Dibromochloromethane
 Concen: 1.952 ug/l
 RT: 9.32 min Scan# 1384
 Delta R.T. -0.26 min
 Lab File: VX012909.D
 Acq: 09 Oct 2019 00:02

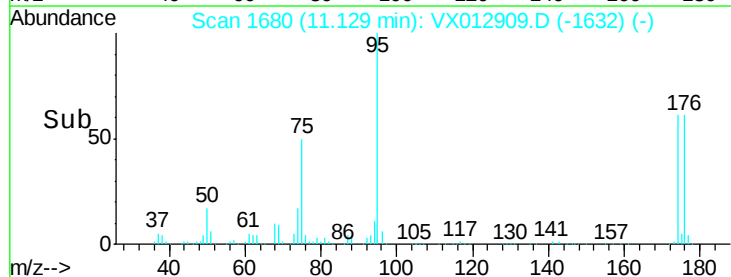
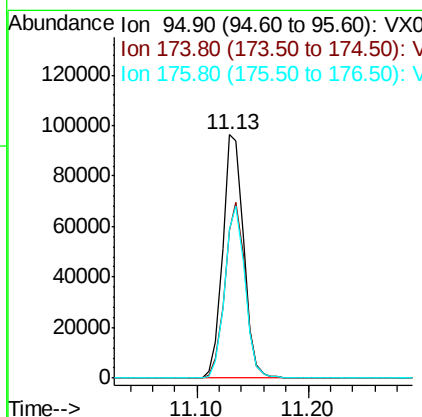
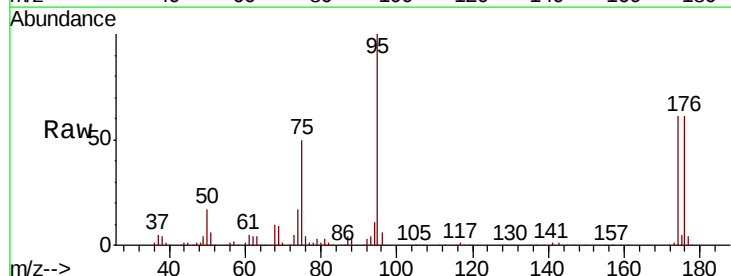
Instrument :
 MSVOA_X
 ClientSampleId :

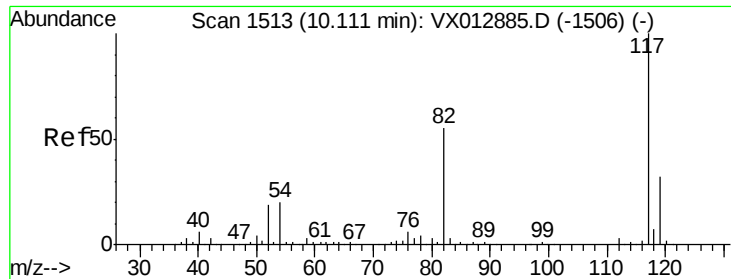
Tot Ion:129 Resp: 222
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 46.703 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012909.D
 Acq: 09 Oct 2019 00:02

Tgt Ion: 95 Resp: 125525
 Ion Ratio Lower Upper
 95 100
 174 70.2 0.0 143.4
 176 68.4 0.0 136.0

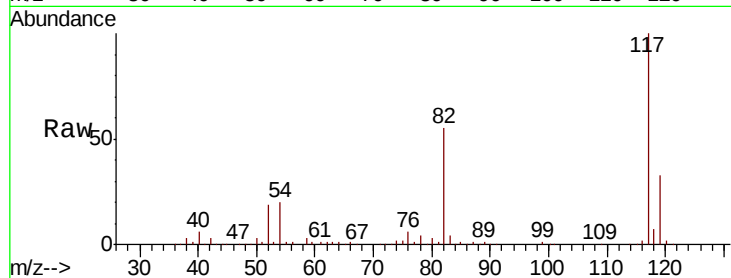




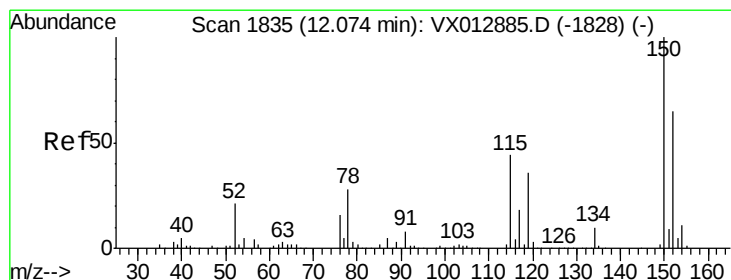
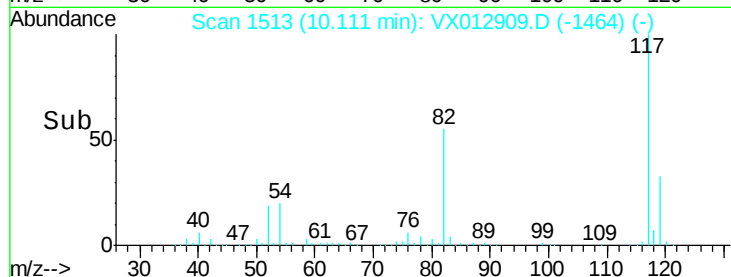
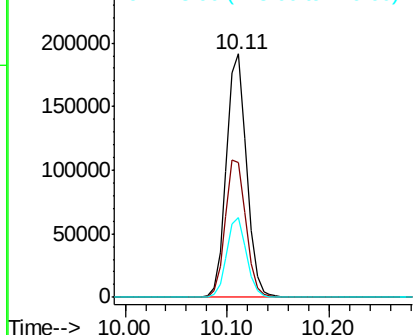
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 261628
Ion Ratio Lower Upper
117 100
82 55.5 44.1 66.1
119 32.5 25.8 38.8

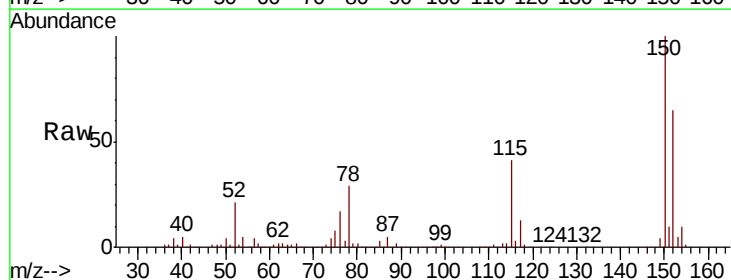


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

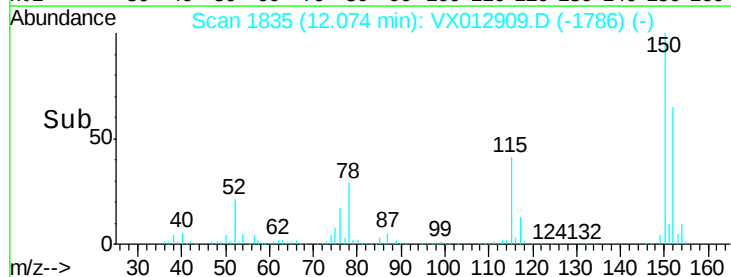
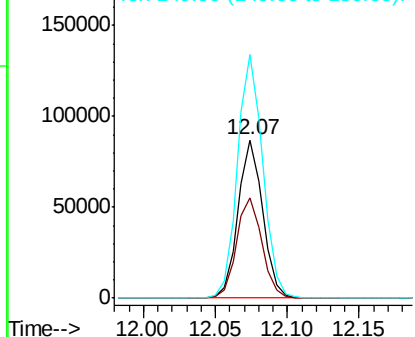


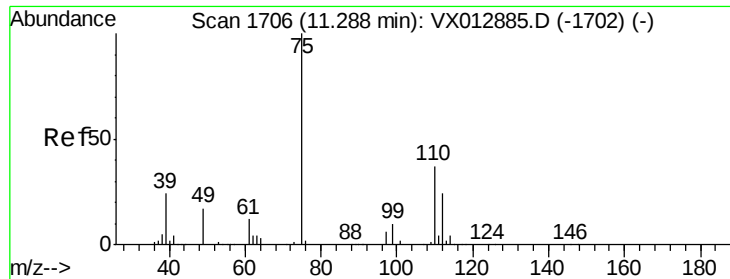
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012909.D
Acq: 09 Oct 2019 00:02

Tgt Ion:152 Resp: 103857
Ion Ratio Lower Upper
152 100
115 65.3 44.5 133.5
150 157.9 0.0 353.4



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: 27.096 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

Instrument :

MSVOA_X

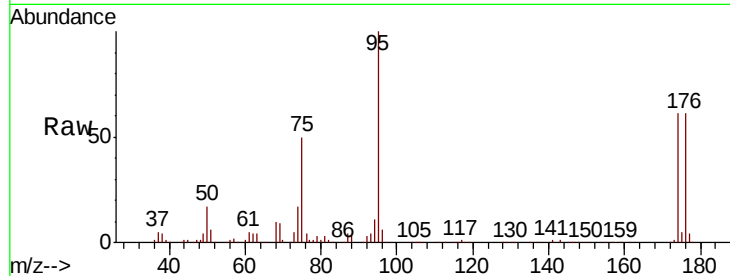
ClientSampleId :

Tot Ion: 75 Resp: 62417

Ion Ratio Lower Upper

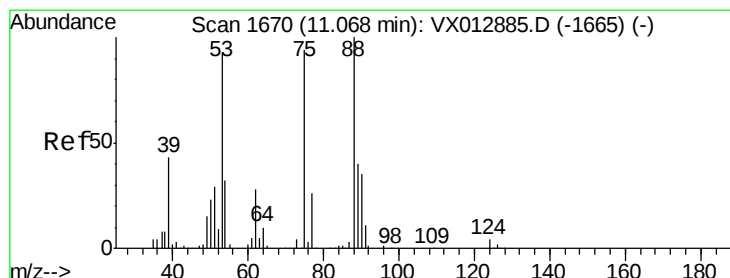
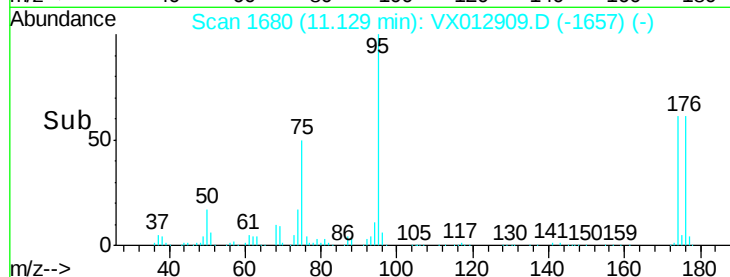
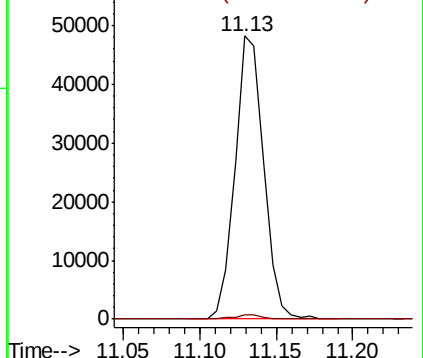
75 100

77 1.5 22.9 68.8#



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: 68.070 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

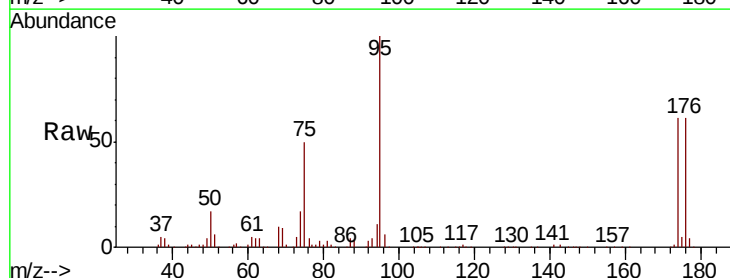
Tgt Ion: 75 Resp: 62417

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

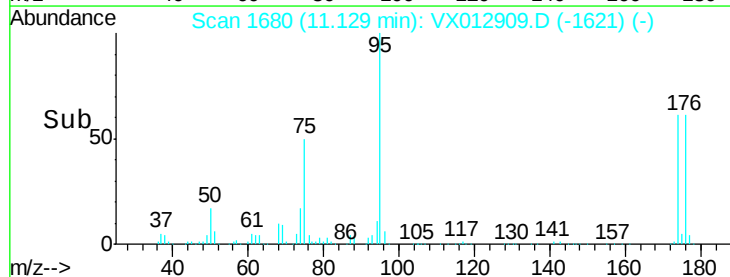
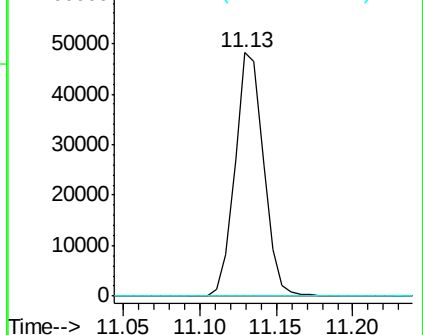
89 0.0 37.4 56.2#

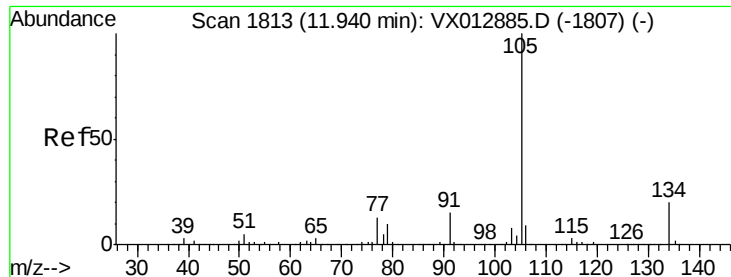


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#85

sec-Butylbenzene

Concen: 0.507 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

Instrument :

MSVOA_X

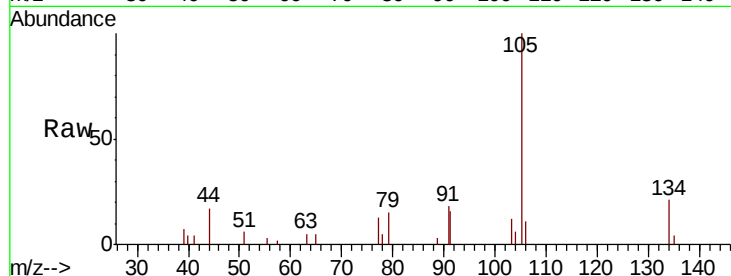
ClientSampleId :

Tot Ion:105 Resp: 3652

Ion Ratio Lower Upper

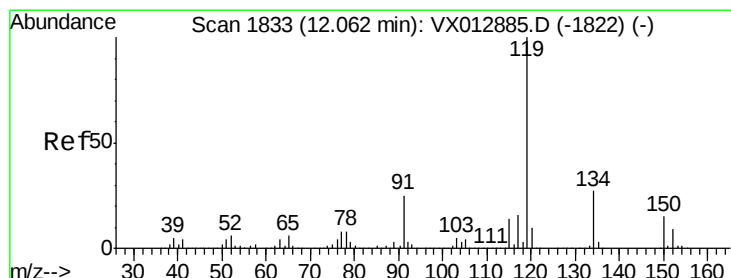
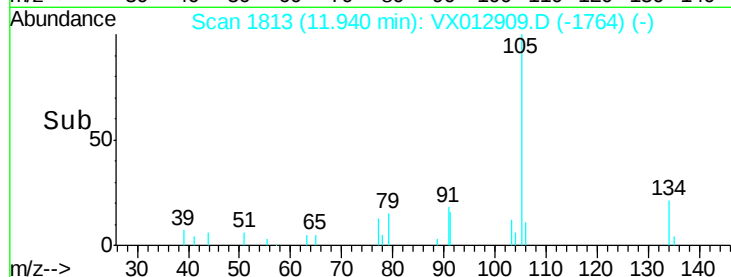
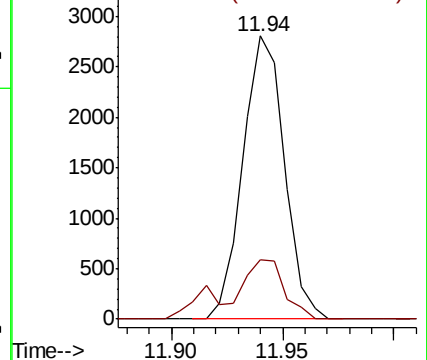
105 100

134 20.7 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.325 ug/l

RT: 12.23 min Scan# 1860

Delta R.T. 0.16 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

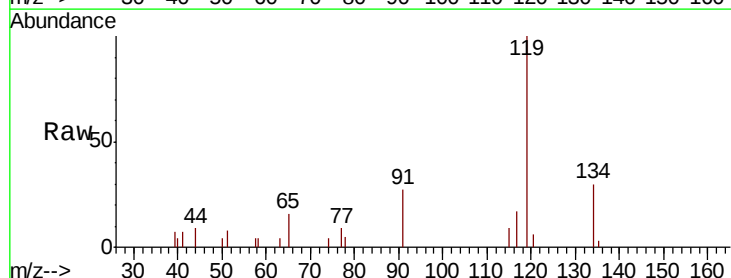
Tgt Ion:119 Resp: 2169

Ion Ratio Lower Upper

119 100

134 23.1 12.6 37.8

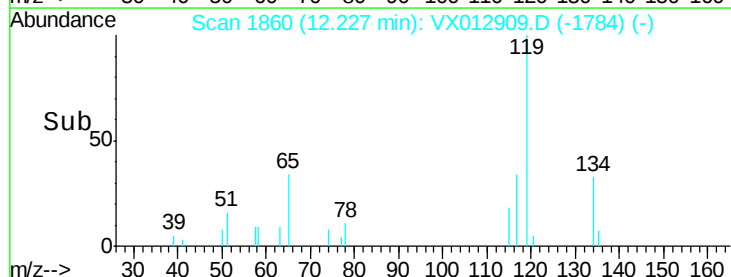
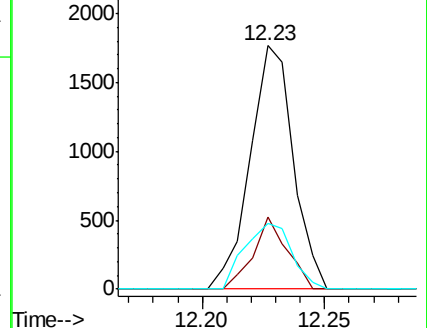
91 29.5 12.4 37.4

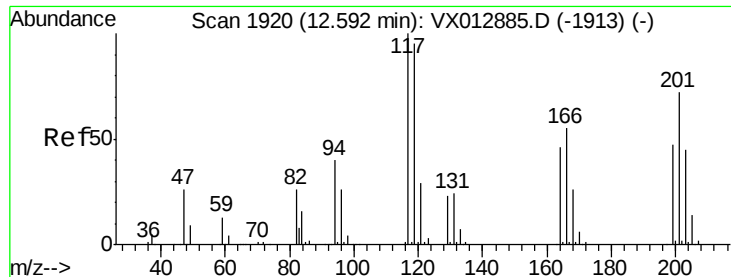


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 2.603 ug/l

RT: 12.75 min Scan# 1946

Delta R.T. 0.16 min

Lab File: VX012909.D

Acq: 09 Oct 2019 00:02

Instrument :

MSVOA_X

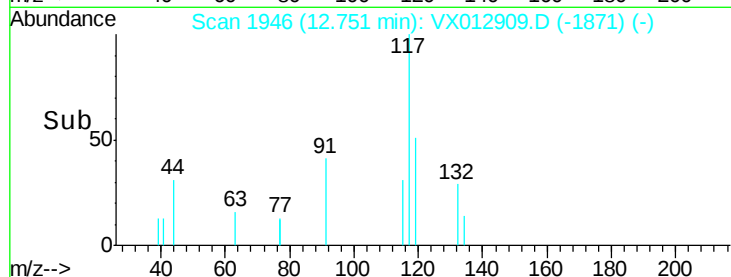
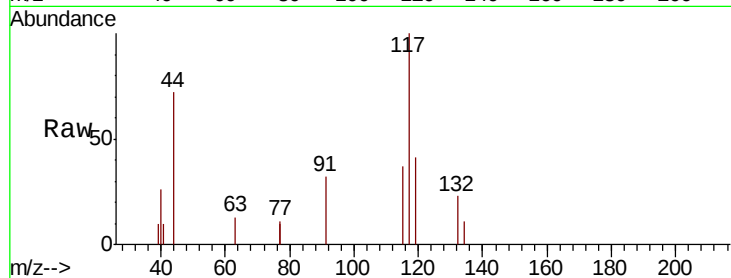
ClientSampleId :

Tot Ion:117 Resp: 627

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

