

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012963.D
 Acq On : 10 Oct 2019 00:17
 Operator : JC/SP
 Sample : K5260-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:48:24 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	177457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294288	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87409	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	113914	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	5.49	113	85625	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.71	98	342880	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.14	95	108948	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	

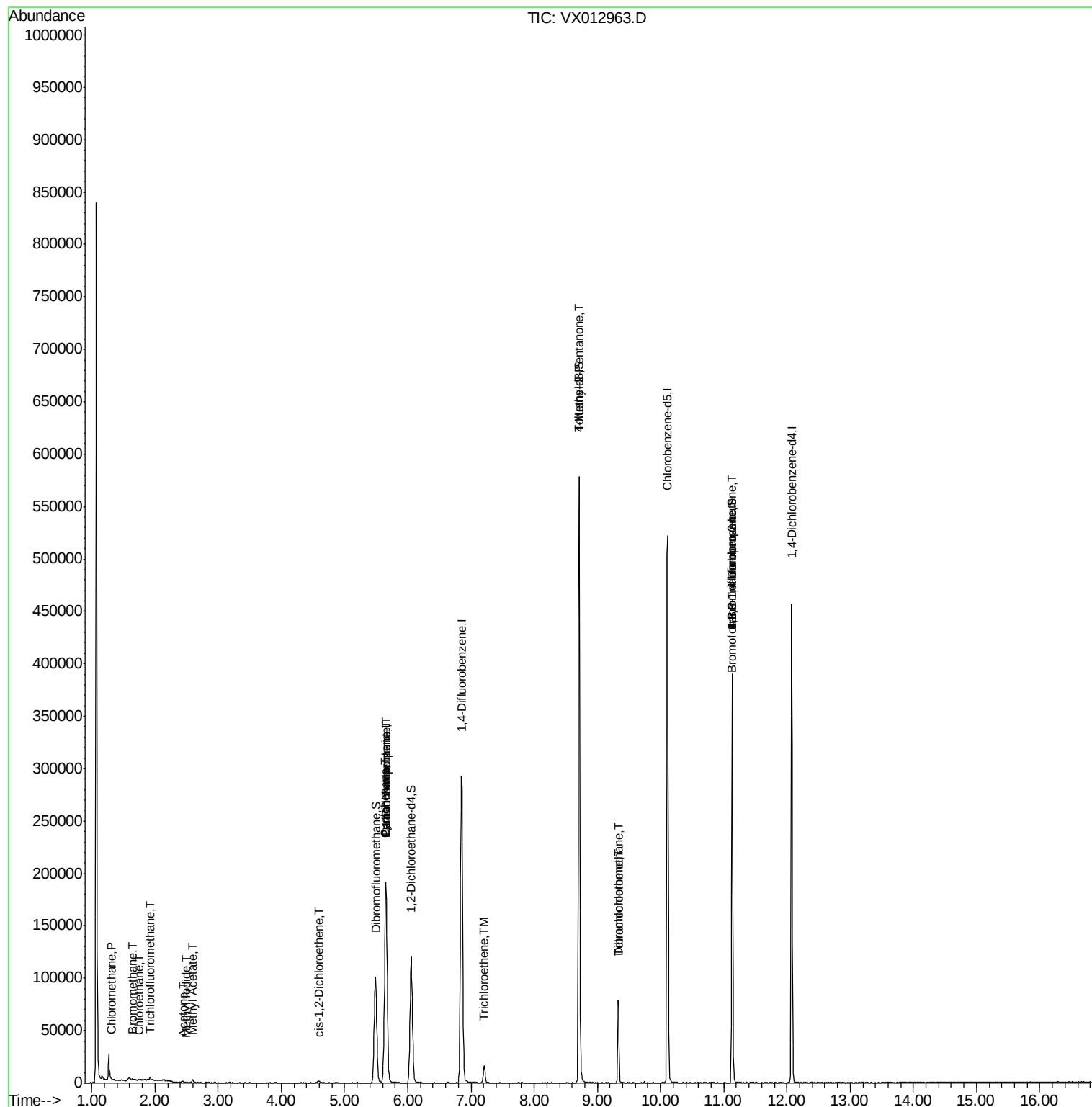
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	501	0.254	ug/l #	79
5) Bromomethane	1.64	94	323	0.382	ug/l #	76
6) Chloroethane	1.74	64	201	0.528	ug/l	90
7) Trichlorofluoromethane	1.92	101	930	0.339	ug/l #	81
10) Methyl Iodide	2.50	142	147	5.147	ug/l #	58
16) Acetone	2.44	43	1544	1.321	ug/l #	85
18) Methyl Acetate	2.59	43	580	0.209	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	976	0.441	ug/l	97
31) Cyclohexane	5.64	56	3579	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14287	5.522	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18243	7.244	ug/l #	17
44) Trichloroethene	7.21	130	6324	2.984	ug/l	89
51) 4-Methyl-2-Pentanone	8.71	43	1506	0.520	ug/l #	1
60) Dibromochloromethane	9.33	129	14076	8.152	ug/l #	10
64) Tetrachloroethene	9.33	164	14877	8.776	ug/l	94
71) Bromoform	11.12	173	143	3.226	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	55024	28.382	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	55024	71.105	ug/l #	10

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

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Quant Title : SW846 8260
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: VX012963.D

Acq: 10 Oct 2019 00:17

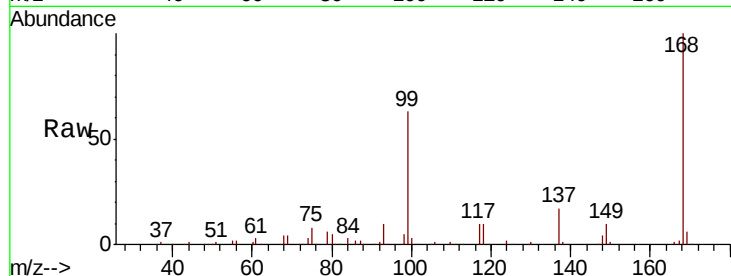
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 177457

Ion Ratio Lower Upper

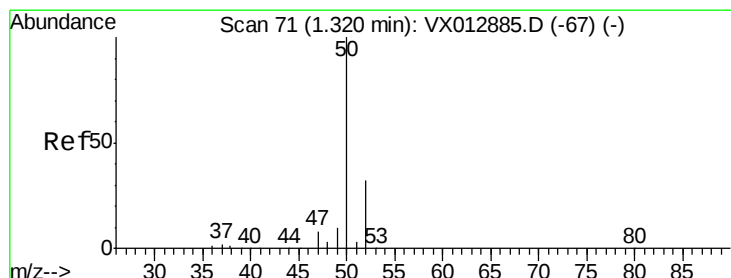
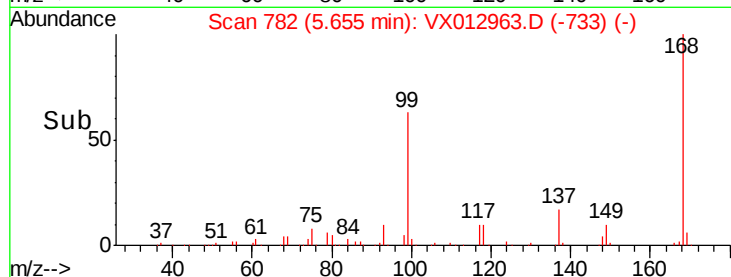
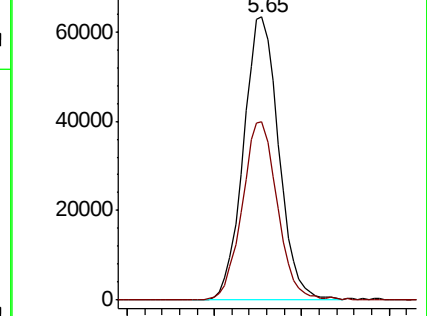
168 100

99 63.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.254 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012963.D

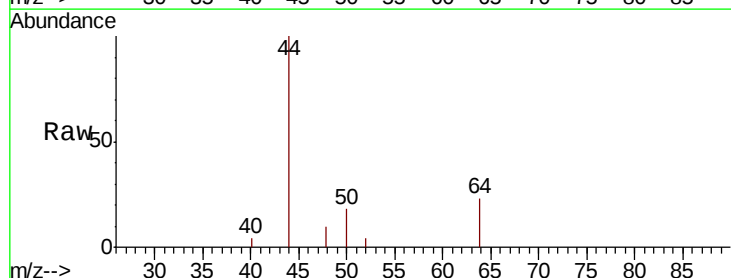
Acq: 10 Oct 2019 00:17

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

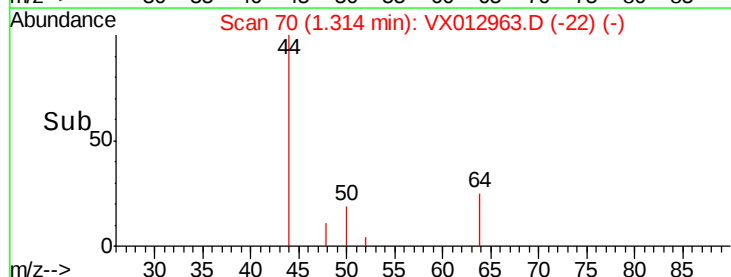
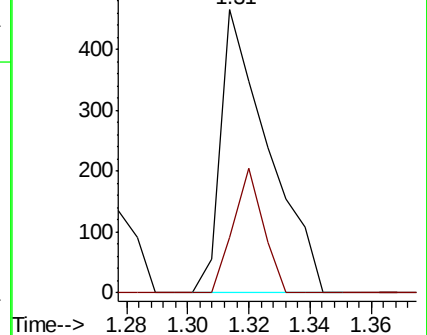
50 100

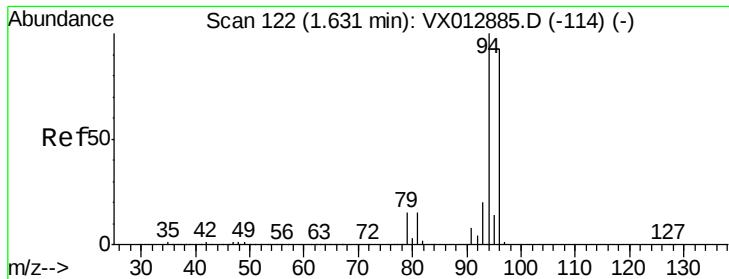
52 19.8 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.382 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

Instrument :

MSVOA_X

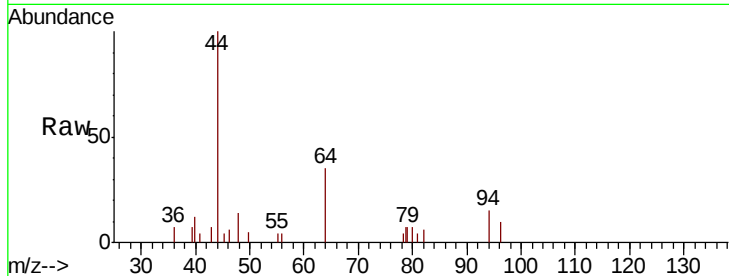
ClientSampled :

Tot Ion: 94 Resp: 323

Ion Ratio Lower Upper

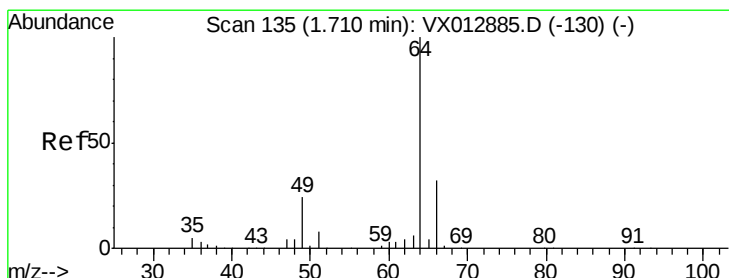
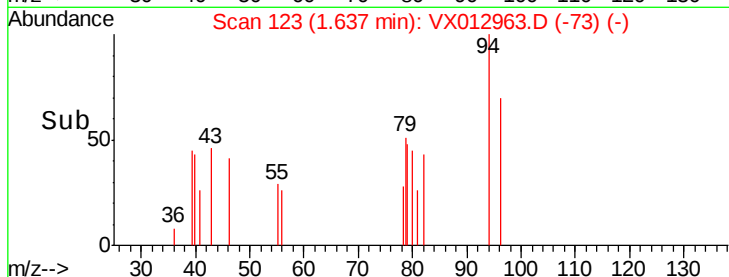
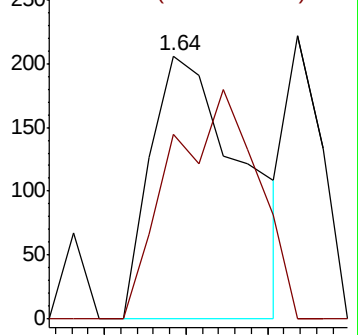
94 100

96 70.4 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.528 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX012963.D

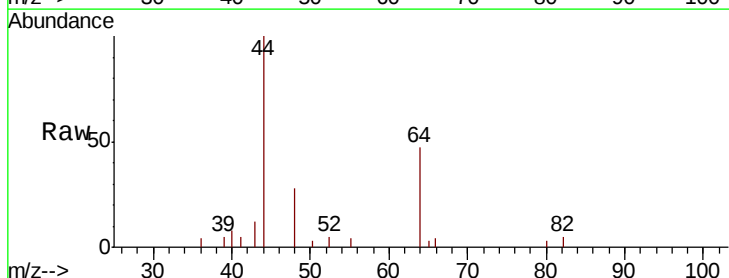
Acq: 10 Oct 2019 00:17

Tgt Ion: 64 Resp: 201

Ion Ratio Lower Upper

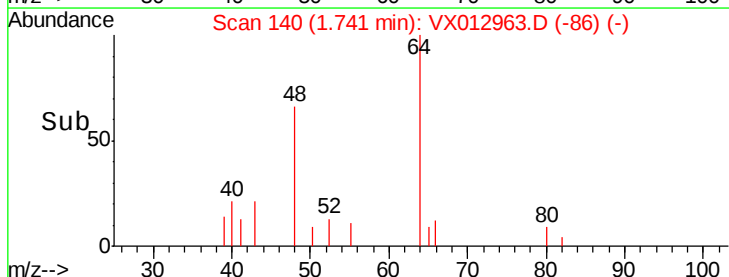
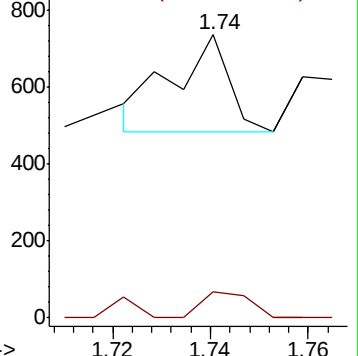
64 100

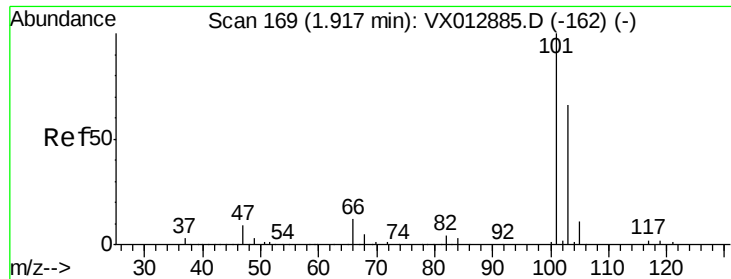
66 26.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



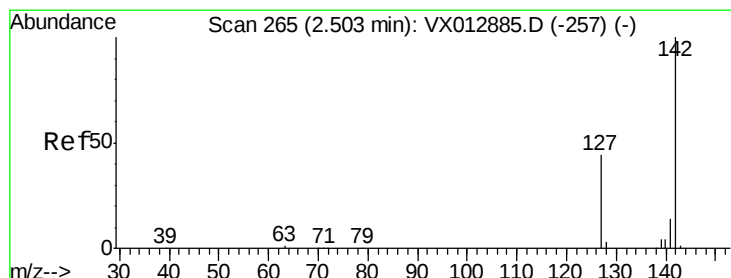
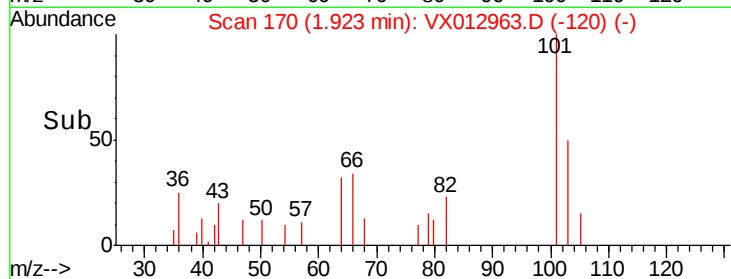
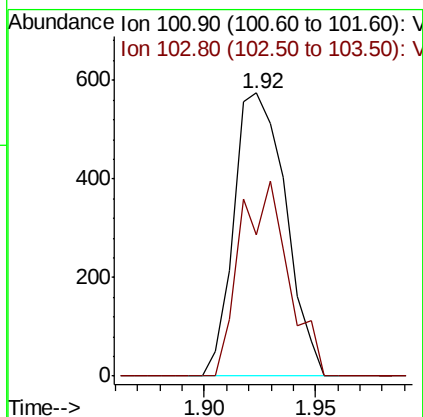
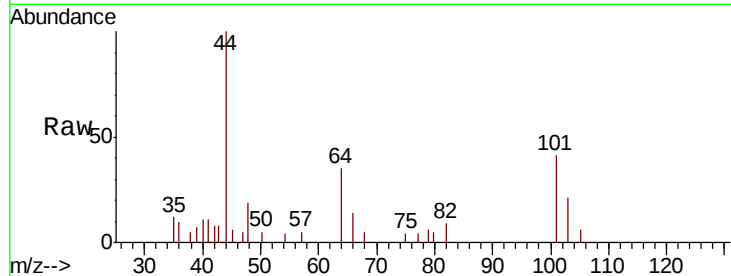


#7

Trichlorofluoromethane
Concen: 0.339 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012963.D
Acq: 10 Oct 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :

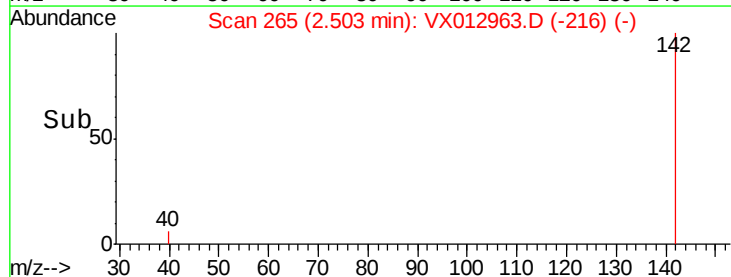
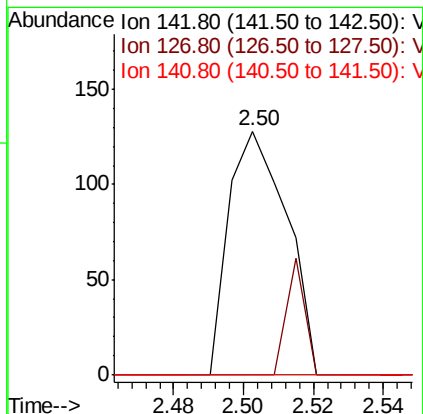
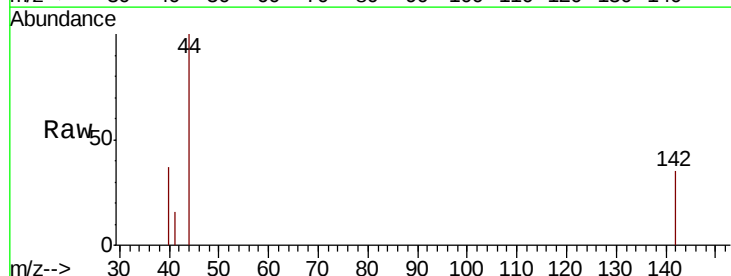
Tot Ion:101 Resp: 930
Ion Ratio Lower Upper
101 100
103 50.2 52.5 78.7#

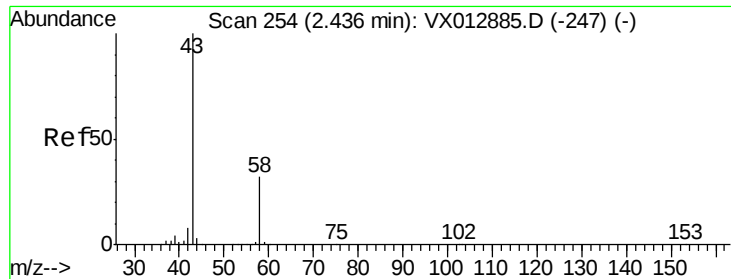


#10

Methyl Iodide
Concen: 5.147 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012963.D
Acq: 10 Oct 2019 00:17

Tgt Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 15.0 34.9 52.3#
141 0.0 11.6 17.4#





#16

Acetone

Concen: 1.321 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

Instrument :

MSVOA_X

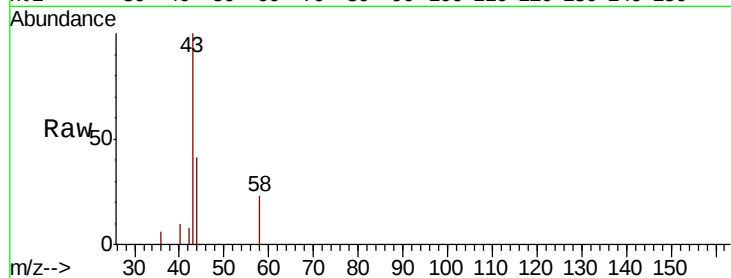
ClientSampleId :

Tot Ion: 43 Resp: 1544

Ion Ratio Lower Upper

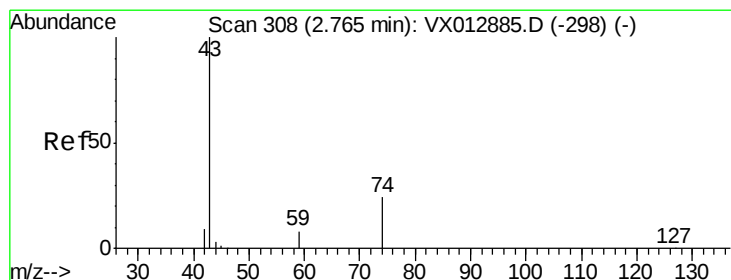
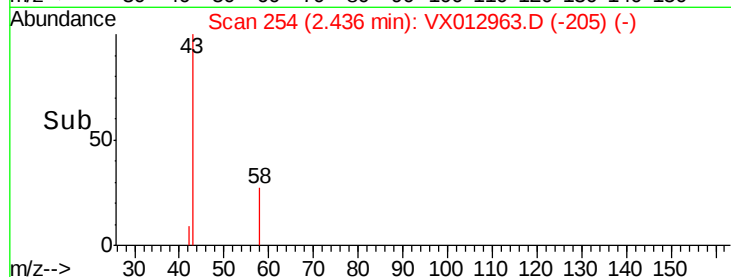
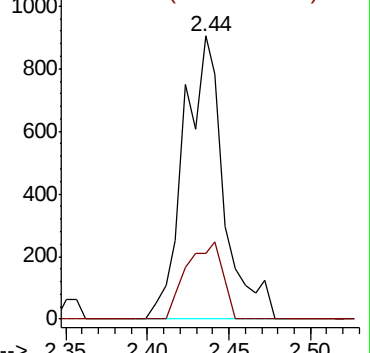
43 100

58 23.5 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.209 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012963.D

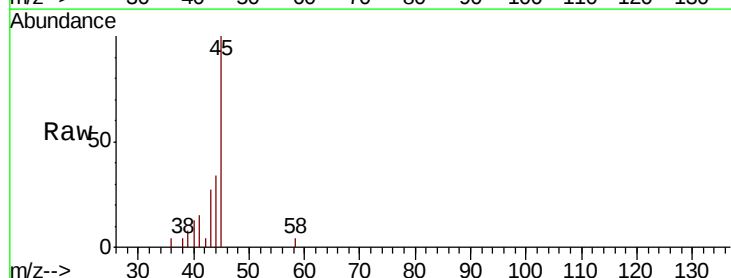
Acq: 10 Oct 2019 00:17

Tgt Ion: 43 Resp: 580

Ion Ratio Lower Upper

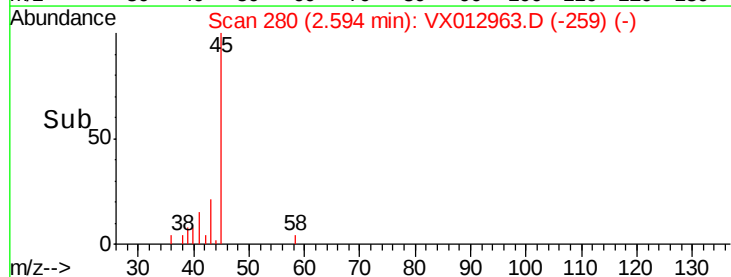
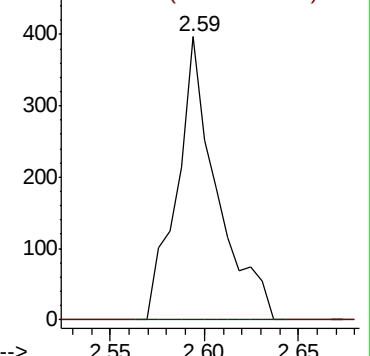
43 100

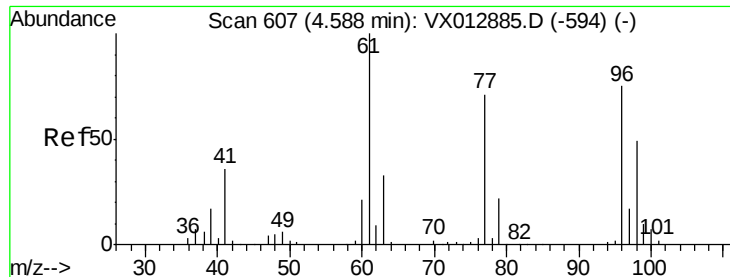
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



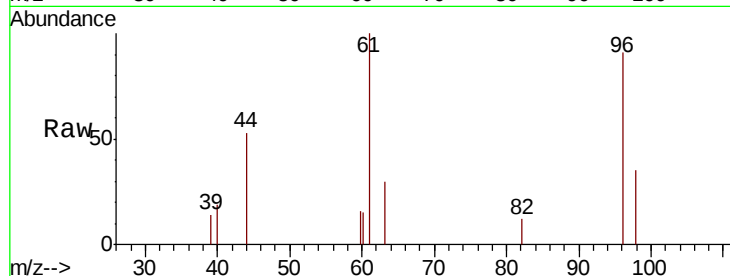


#27

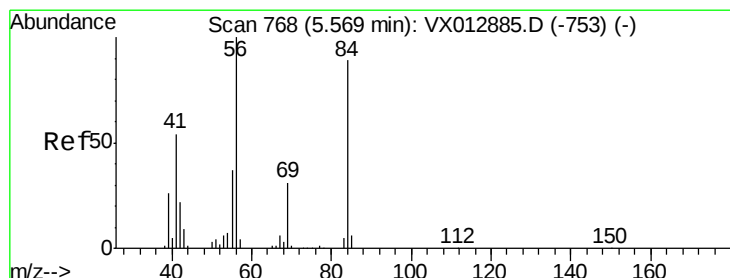
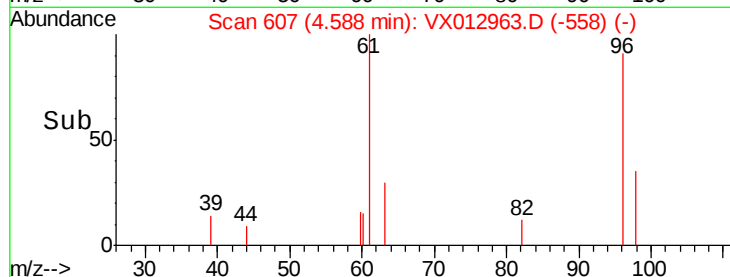
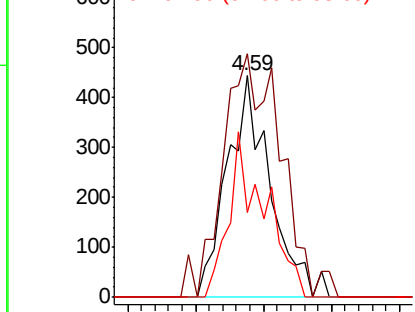
cis-1,2-Dichloroethene
Concen: 0.441 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012963.D
Acq: 10 Oct 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	290.6
98	62.4	0.0	128.8



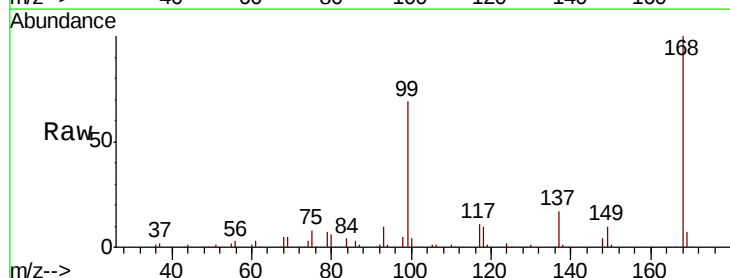
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



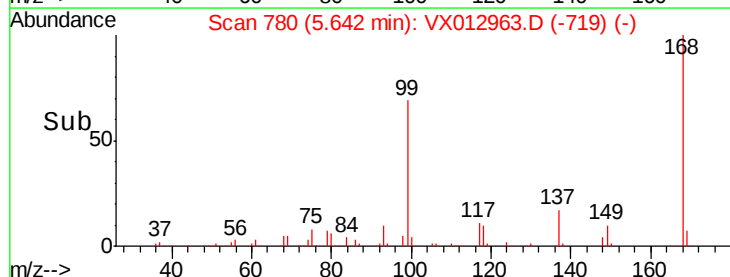
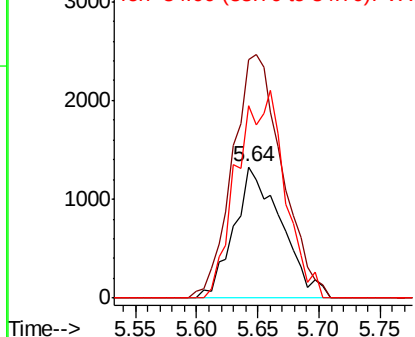
#31

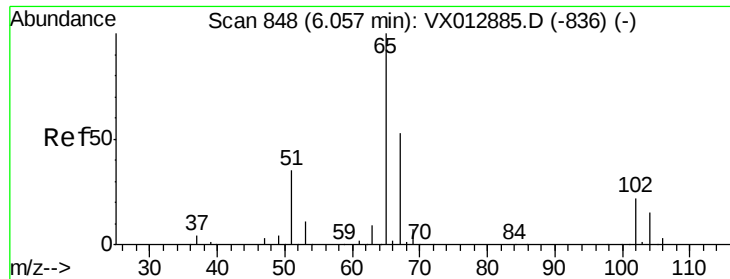
Cyclohexane
Concen: 1.112 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012963.D
Acq: 10 Oct 2019 00:17

Tgt Ion	Ratio	Lower	Upper
56	100		
69	181.0	25.2	37.8#
84	146.1	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: 51.359 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

Instrument :

MSVOA_X

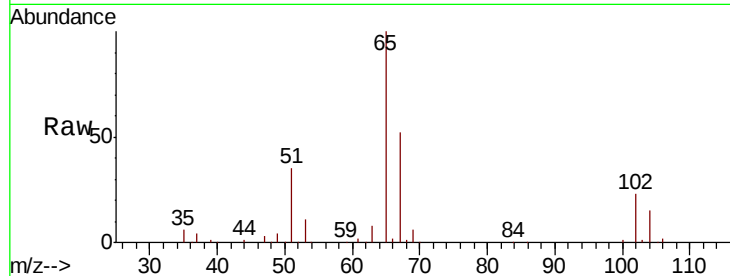
ClientSampleId :

Tot Ion: 65 Resp: 113914

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

6.06

40000

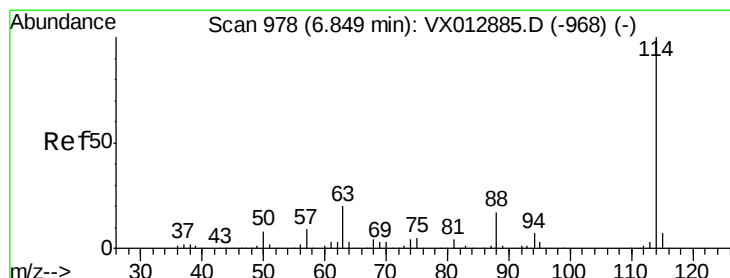
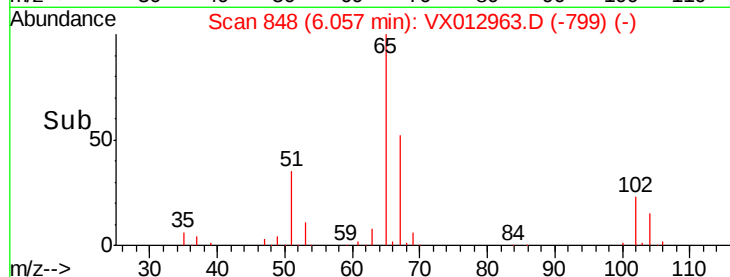
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

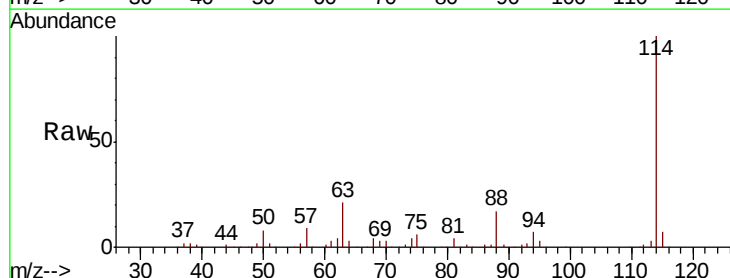
Tgt Ion: 114 Resp: 294288

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 17.2 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

6.85

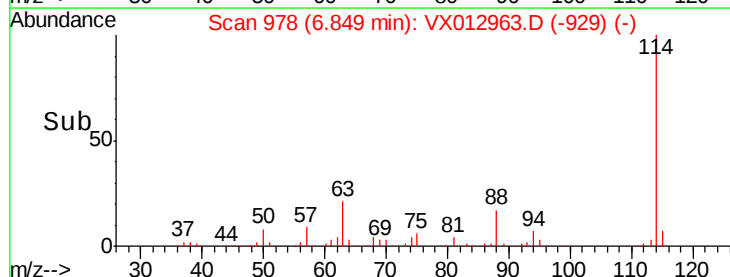
150000

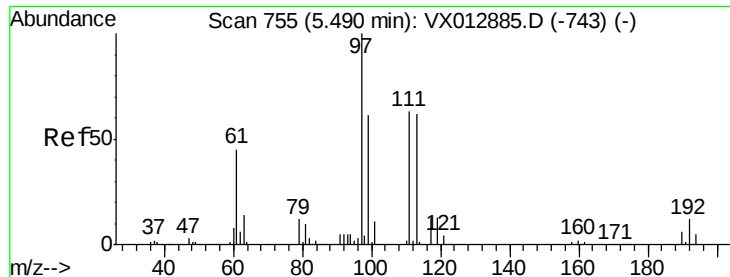
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

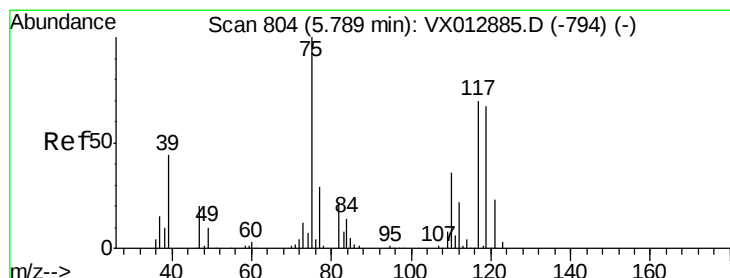
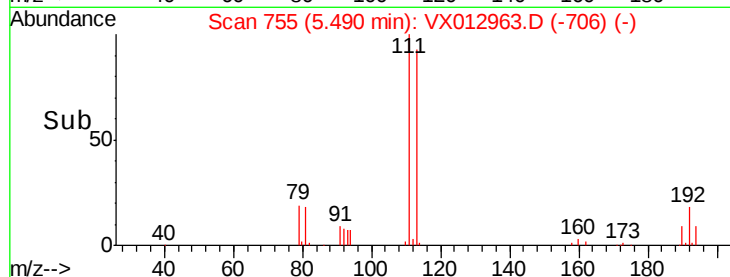
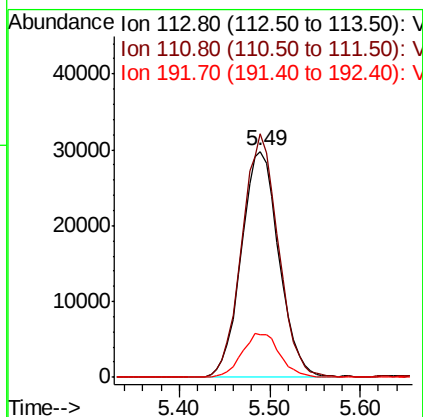
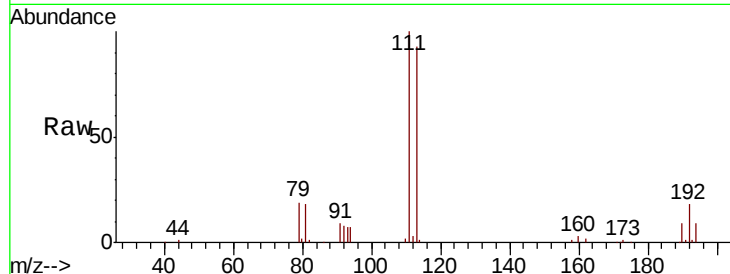




#35
 Dibromofluoromethane
 Concen: 50.694 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012963.D
 Acq: 10 Oct 2019 00:17

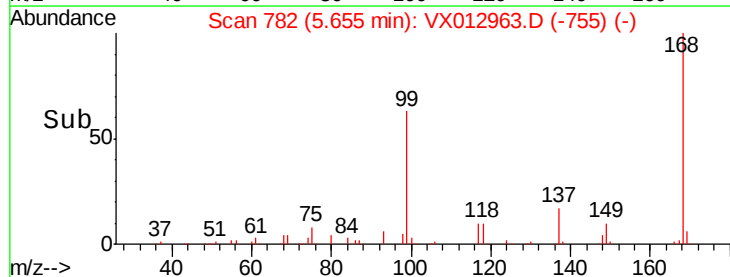
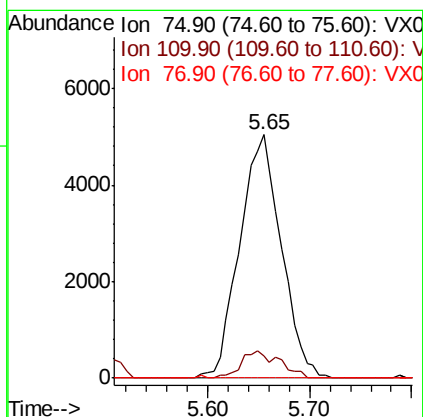
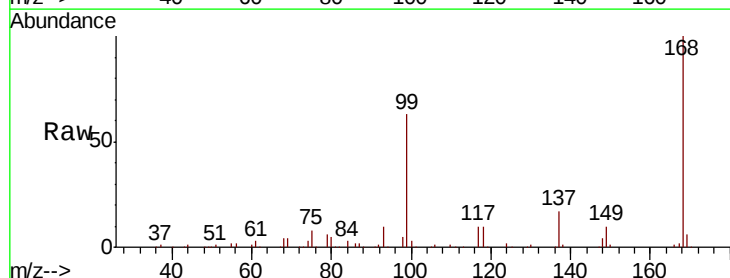
Instrument :
 MSVOA_X
 ClientSampleId :

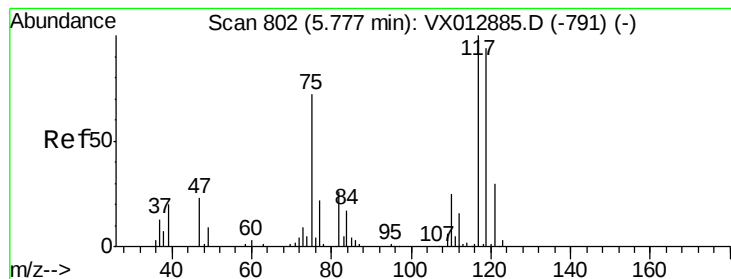
Tot Ion:113 Resp: 85625
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.2 124.8
 192 19.6 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.522 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012963.D
 Acq: 10 Oct 2019 00:17

Tgt Ion: 75 Resp: 14287
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.244 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

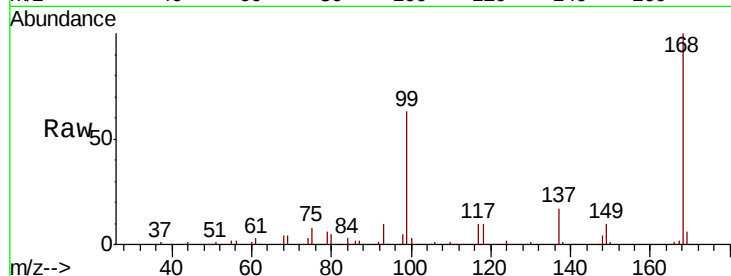
Tot Ion:117 Resp: 18243

Ion Ratio Lower Upper

117 100

119 4.3 74.5 111.7#

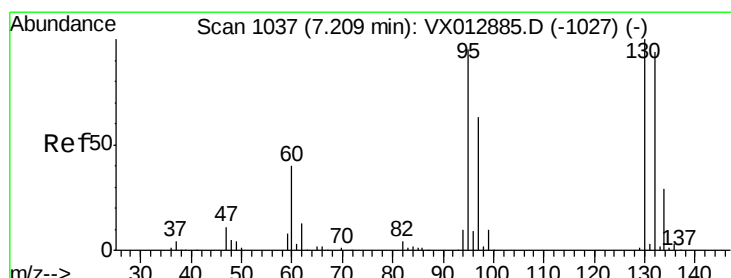
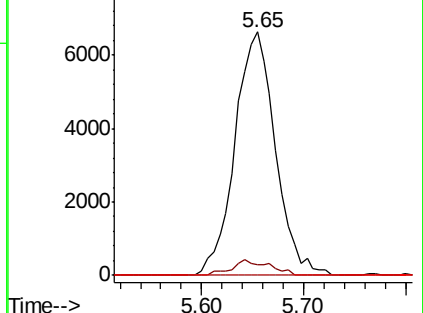
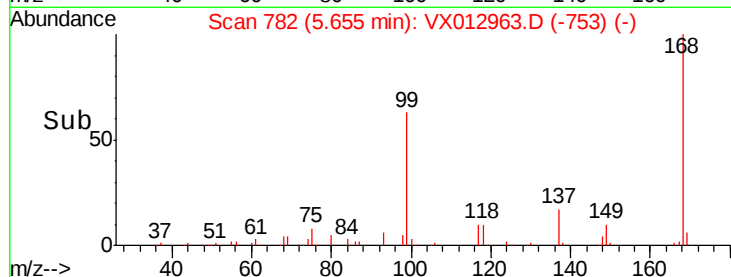
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 2.984 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX012963.D

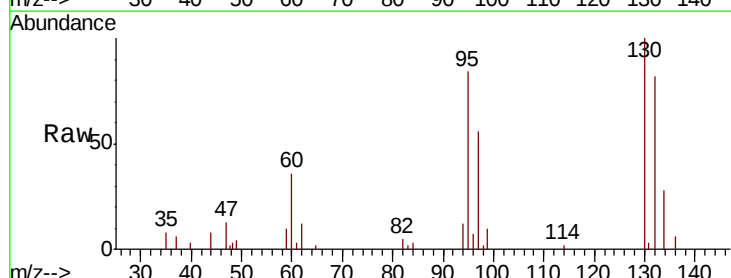
Acq: 10 Oct 2019 00:17

Tgt Ion:130 Resp: 6324

Ion Ratio Lower Upper

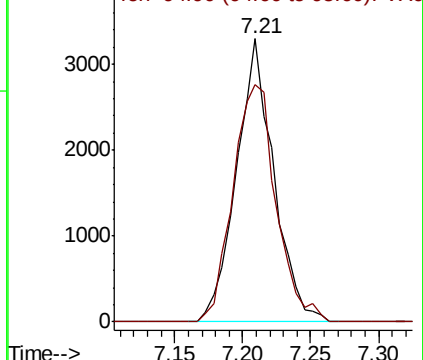
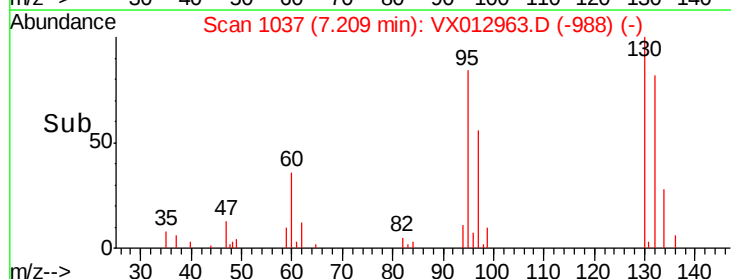
130 100

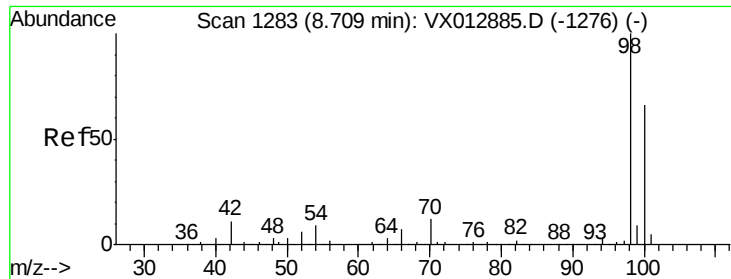
95 83.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 52.048 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

Instrument :

MSVOA_X

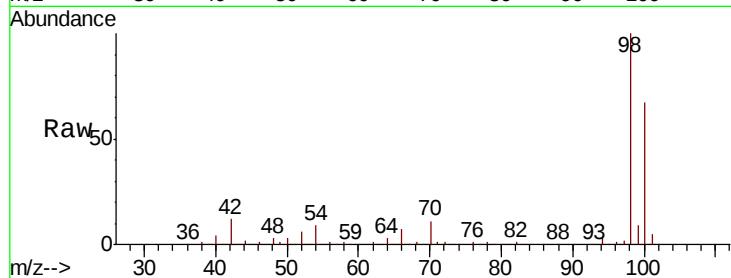
ClientSampleId :

Tot Ion: 98 Resp: 342880

Ion Ratio Lower Upper

98 100

100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

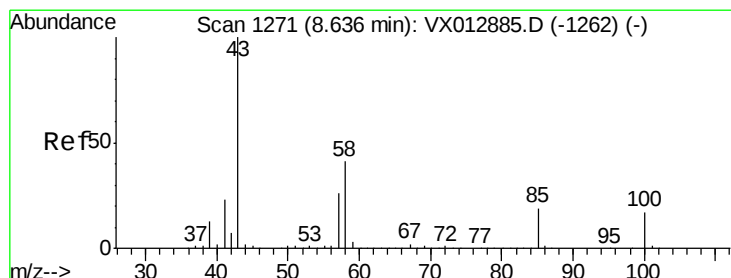
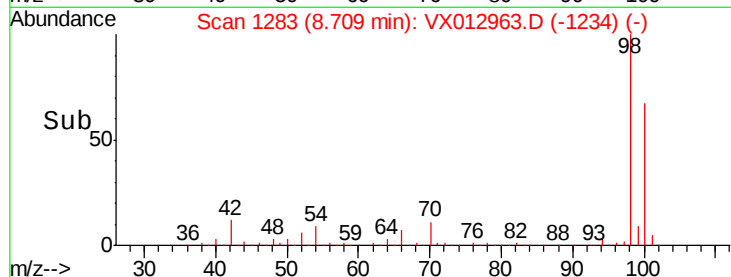
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.520 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012963.D

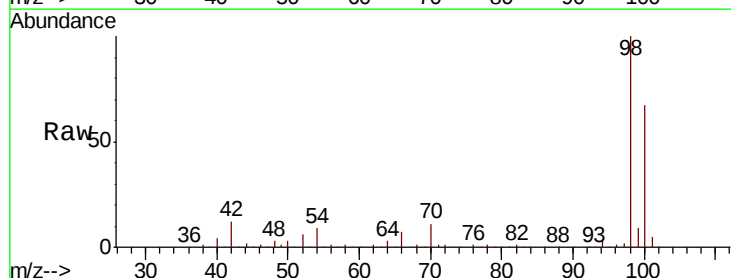
Acq: 10 Oct 2019 00:17

Tgt Ion: 43 Resp: 1506

Ion Ratio Lower Upper

43 100

58 178.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

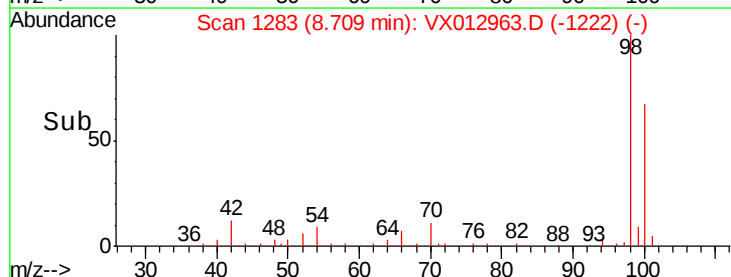
1500

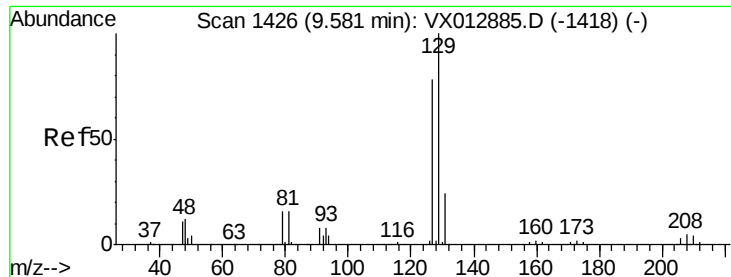
1000

500

0

Time-->

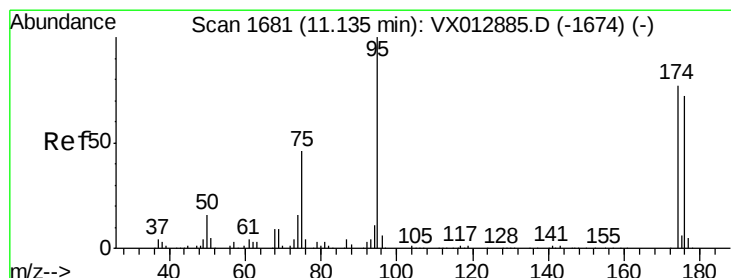
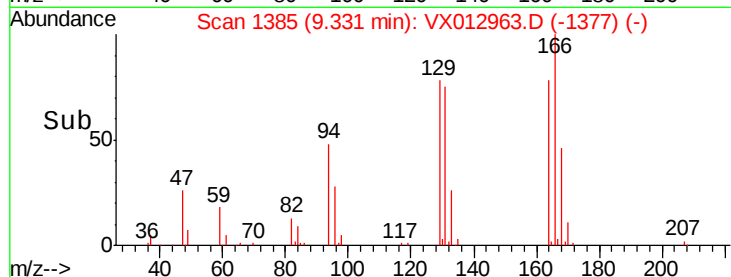
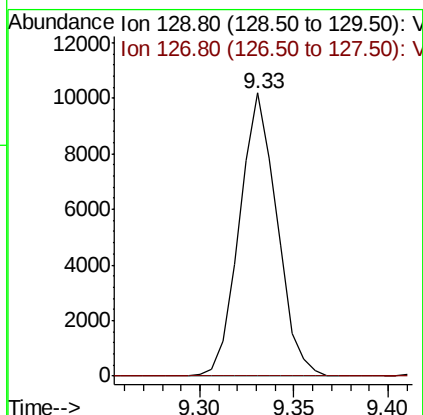
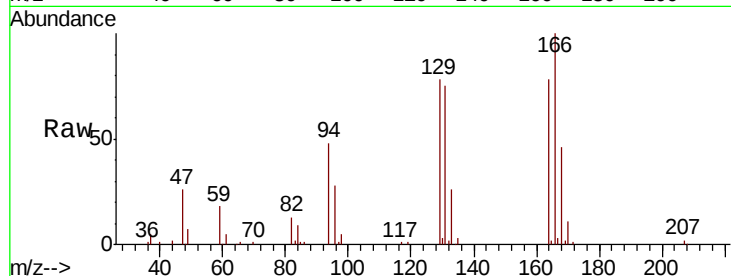




#60
 Dibromochloromethane
 Concen: 8.152 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX012963.D
 Acq: 10 Oct 2019 00:17

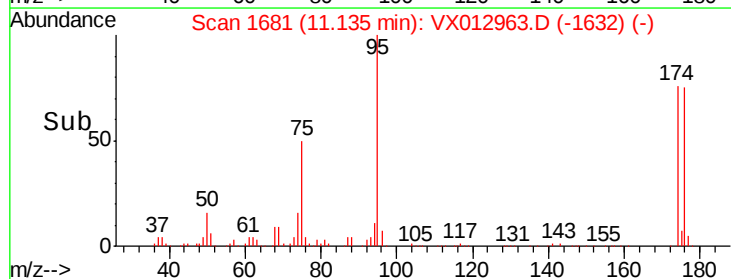
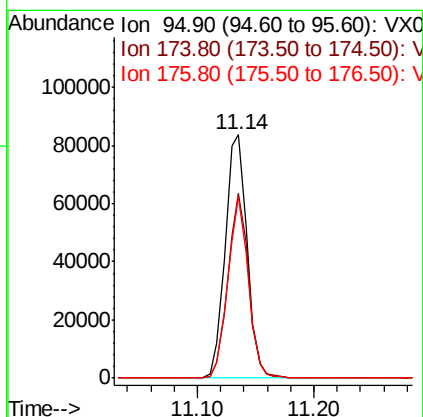
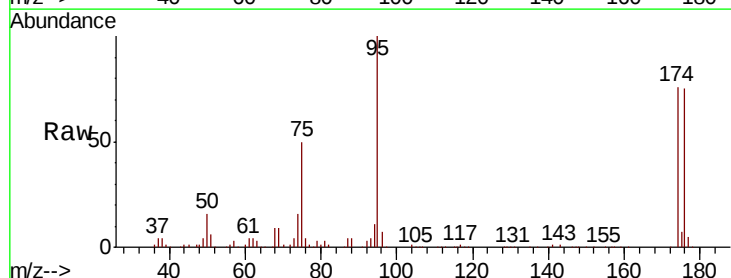
Instrument :
 MSVOA_X
 ClientSampled :

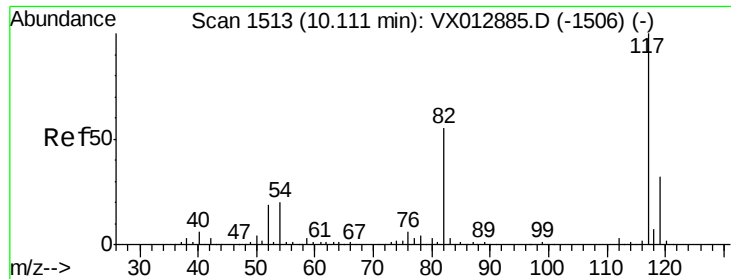
Tot Ion:129 Resp: 14076
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 42.563 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012963.D
 Acq: 10 Oct 2019 00:17

Tgt Ion: 95 Resp: 108948
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 143.4
 176 69.9 0.0 136.0

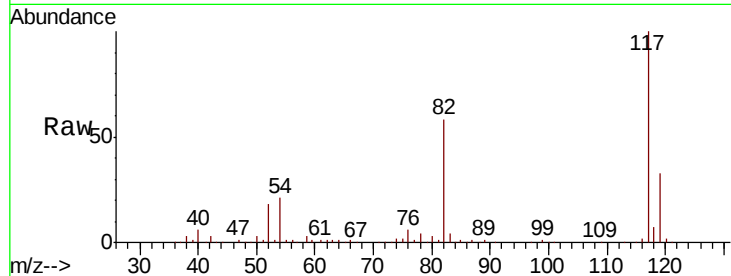




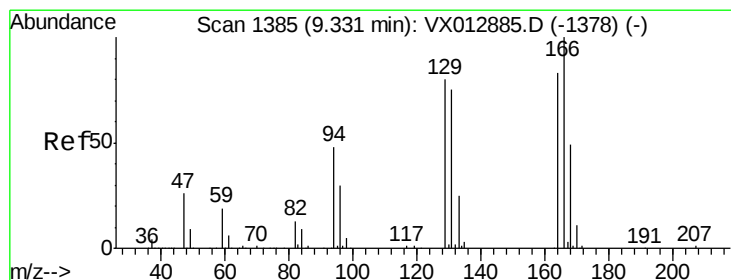
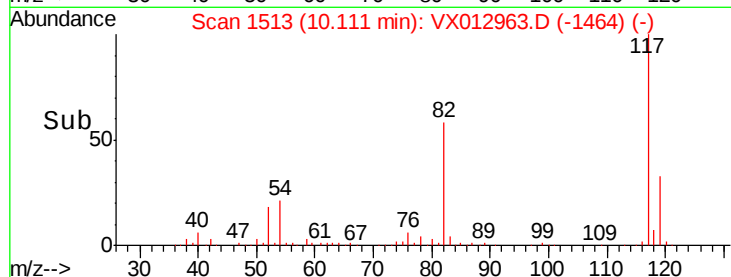
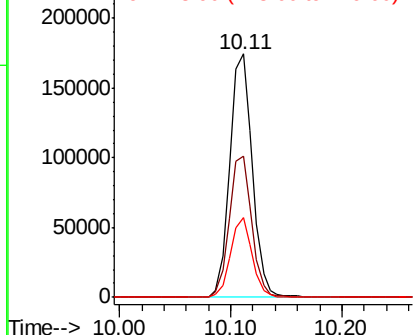
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012963.D
Acq: 10 Oct 2019 00:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 244395
Ion Ratio Lower Upper
117 100
82 58.2 44.1 66.1
119 32.8 25.8 38.8



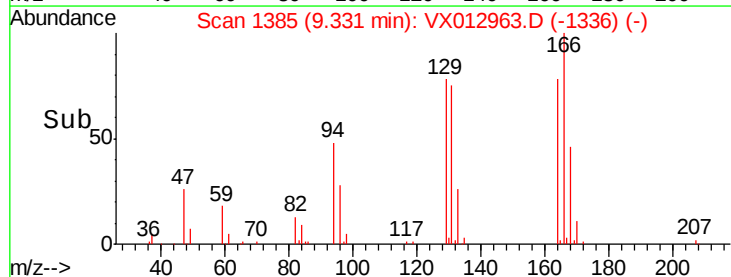
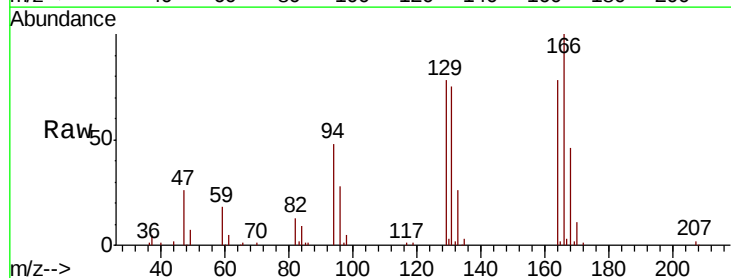
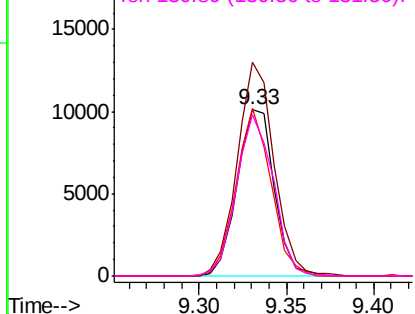
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

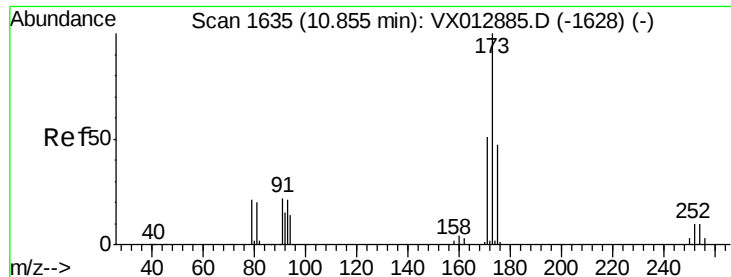


#64
Tetrachloroethene
Concen: 8.776 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012963.D
Acq: 10 Oct 2019 00:17

Tgt Ion:164 Resp: 14877
Ion Ratio Lower Upper
164 100
166 128.7 96.9 145.3
129 100.9 77.9 116.9
131 97.1 72.7 109.1

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





#71

Bromoform

Concen: 3.226 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

Instrument :

MSVOA_X

ClientSampled :

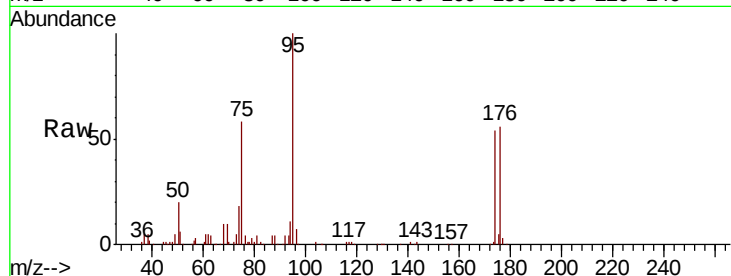
Tot Ion:173 Resp: 143

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

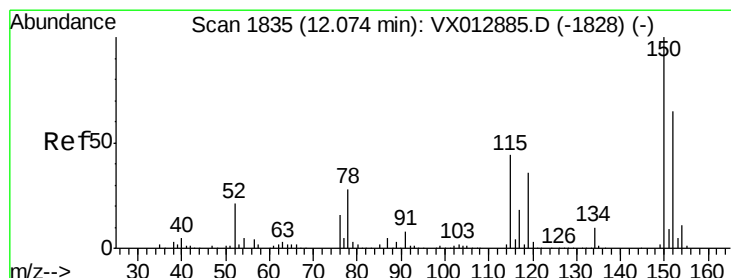
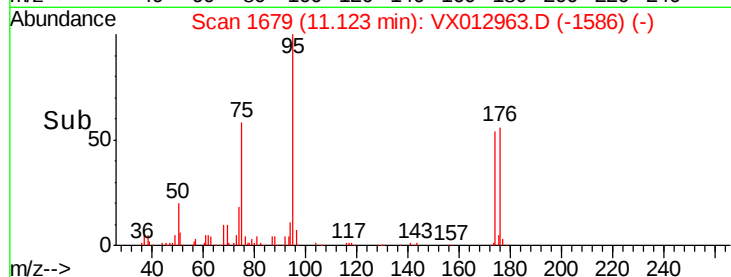
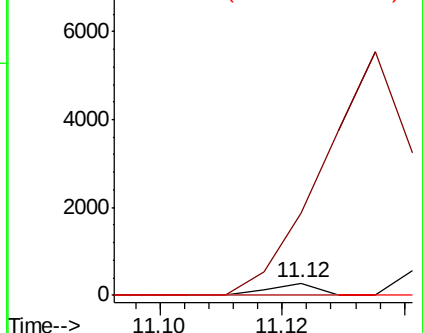
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX012963.D

Acq: 10 Oct 2019 00:17

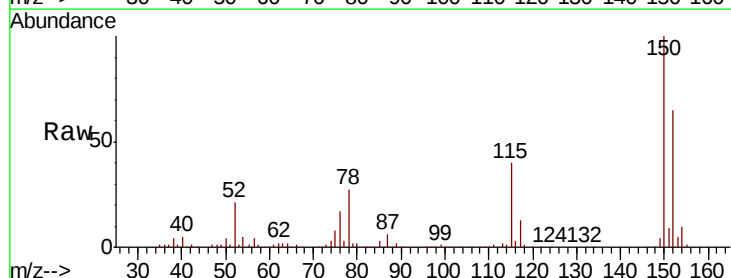
Tgt Ion:152 Resp: 87409

Ion Ratio Lower Upper

152 100

115 62.3 44.5 133.5

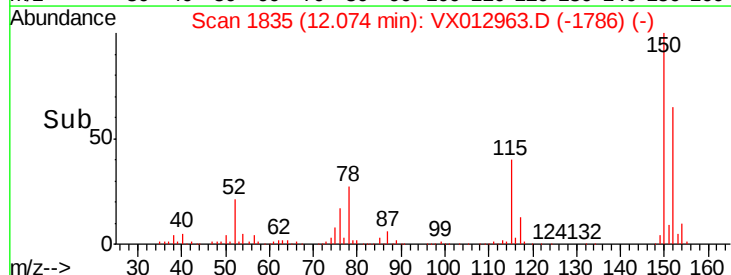
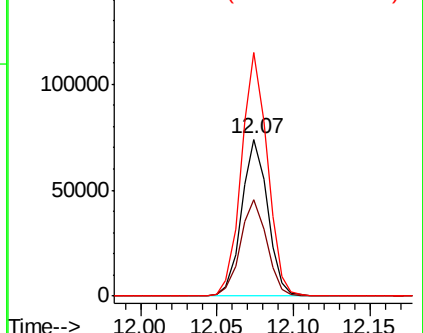
150 155.1 0.0 353.4

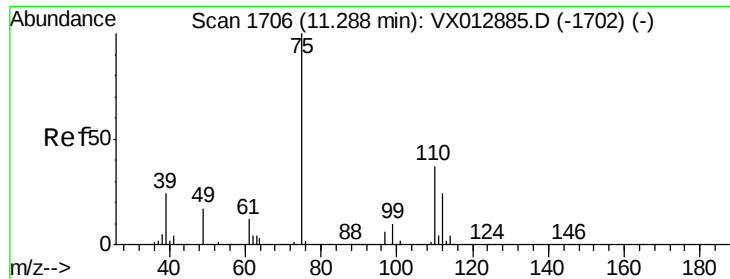


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.382 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

Instrument :

MSVOA_X

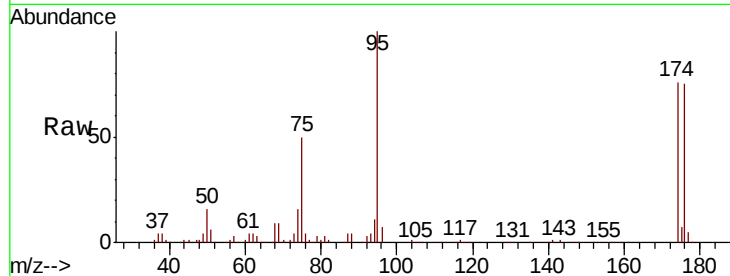
ClientSampleId :

Tot Ion: 75 Resp: 55024

Ion Ratio Lower Upper

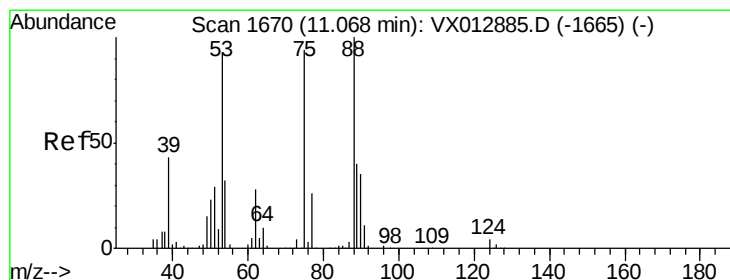
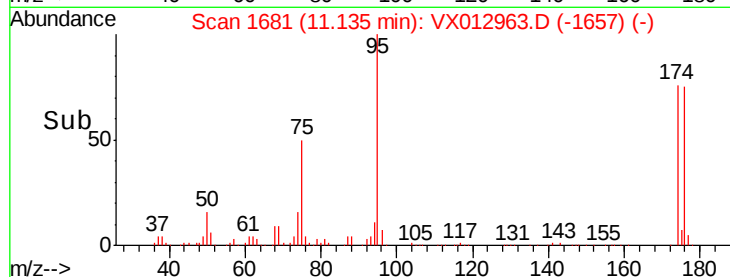
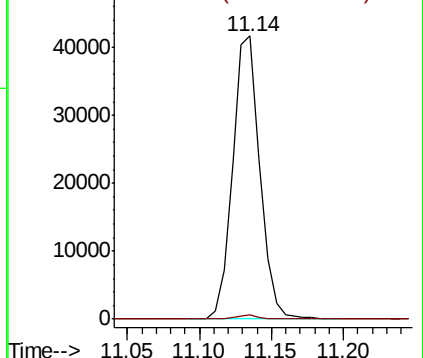
75 100

77 1.3 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: 71.105 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012963.D

Acq: 10 Oct 2019 00:17

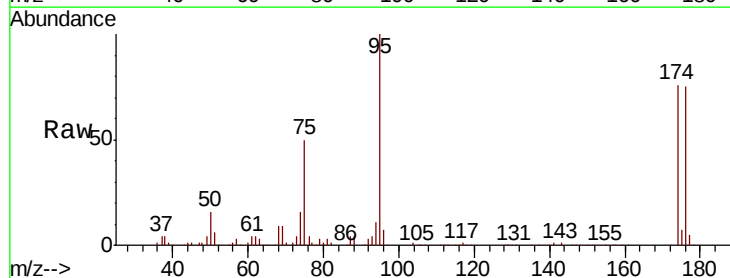
Tgt Ion: 75 Resp: 55024

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 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

