

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009604.D
 Acq On : 16 May 2019 14:00
 Operator : JC/SP
 Sample : K2703-01
 Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:04:10 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	5.65	168	156438	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	245315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	207868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	101896	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	5.50	113	72420	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	8.71	98	305509	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.14	95	100200	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	

Target Compounds

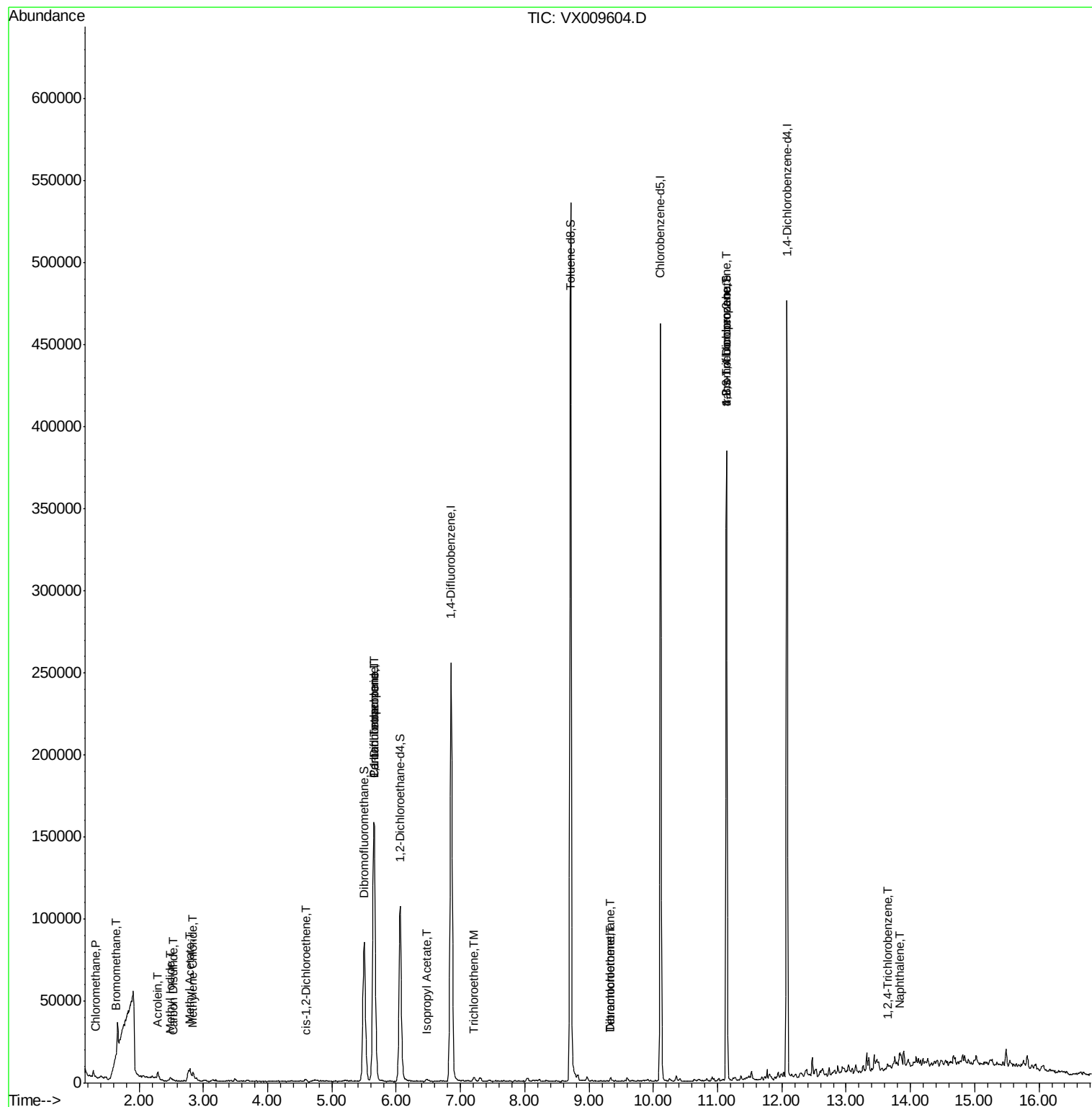
						Qvalue
3) Chloromethane	1.32	50	480	0.244	ug/l #	81
5) Bromomethane	1.64	94	704	0.611	ug/l	88
10) Methyl Iodide	2.48	142	557	4.891	ug/l #	88
13) Acrolein	2.28	56	95	0.212	ug/l #	70
17) Carbon Disulfide	2.53	76	1078	0.262	ug/l #	76
18) Methyl Acetate	2.79	43	11260	4.129	ug/l	92
20) Methylene Chloride	2.84	84	2221	1.196	ug/l	90
27) cis-1,2-Dichloroethene	4.59	96	578	0.304	ug/l	92
28) Bromochloromethane	4.99	49	102	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	12126	5.319	ug/l #	47
38) Carbon Tetrachloride	5.65	117	14684	7.089	ug/l #	17
43) Isopropyl Acetate	6.48	43	1053	0.207	ug/l #	66
44) Trichloroethene	7.20	130	894	0.524	ug/l	69
60) Dibromochloromethane	9.33	129	351	0.205	ug/l #	11
64) Tetrachloroethene	9.33	164	390	0.274	ug/l #	88
76) 1,2,3-Trichloropropane	11.14	75	51899	23.844	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	51899	61.008	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	431	0.205	ug/l #	84
95) Naphthalene	13.83	128	5484	0.802	ug/l #	94

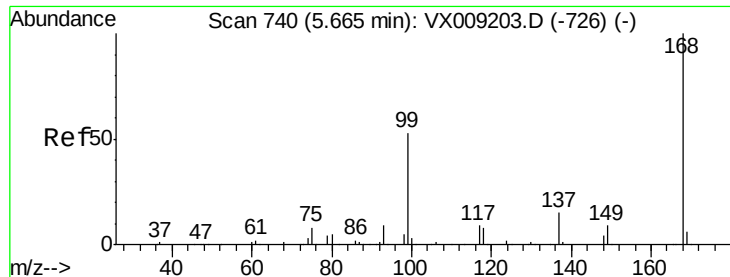
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: May 17 02:04:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

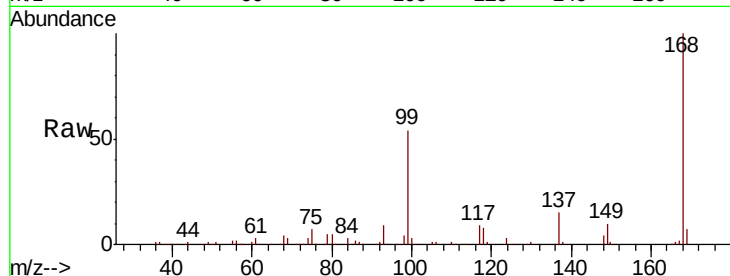
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 156438

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

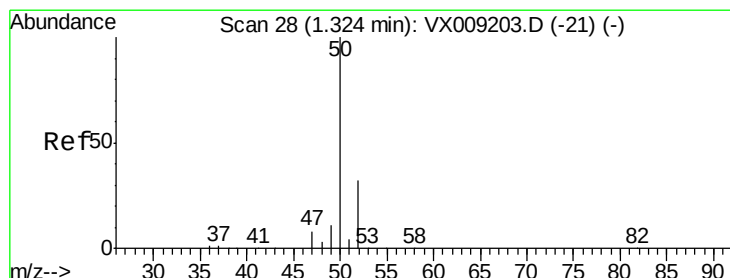
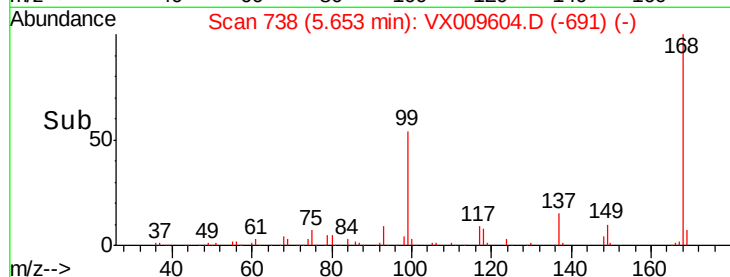
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009604.D

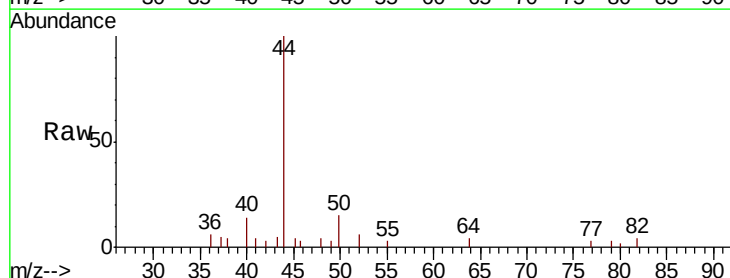
Acq: 16 May 2019 14:00

Tgt Ion: 50 Resp: 480

Ion Ratio Lower Upper

50 100

52 42.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

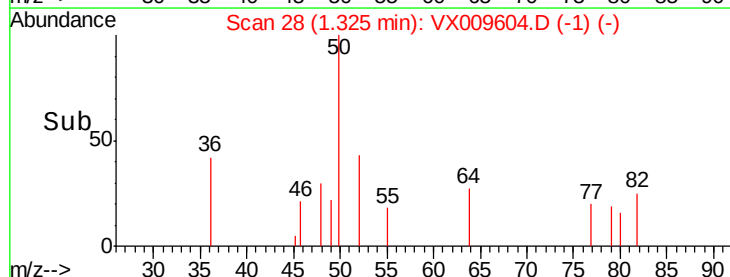
300

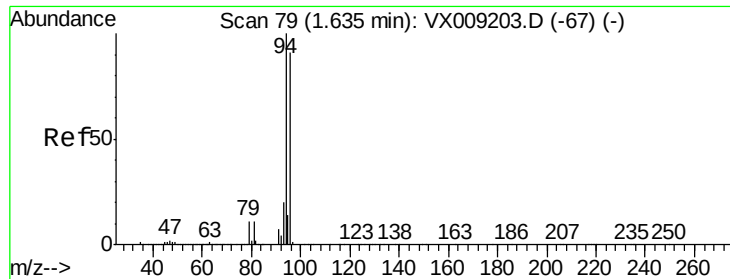
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.611 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

Instrument :

MSVOA_X

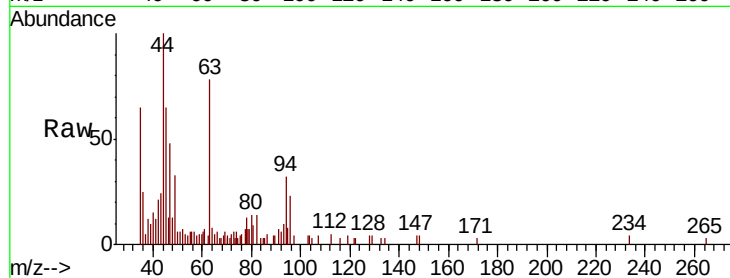
ClientSampleId :

Tot Ion: 94 Resp: 704

Ion Ratio Lower Upper

94 100

96 80.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

400

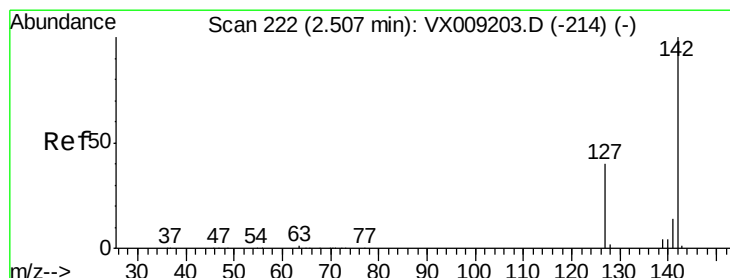
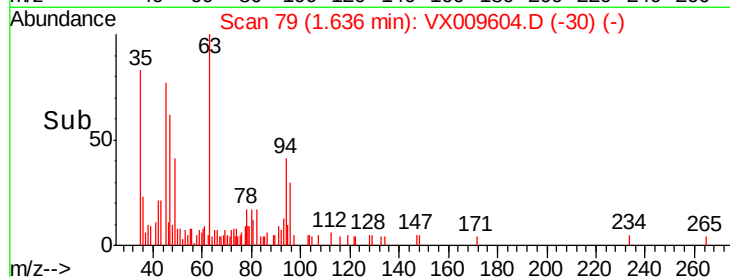
200

0

1.60

1.65

Time-->



#10

Methyl Iodide

Concen: 4.891 ug/l

RT: 2.48 min Scan# 217

Delta R.T. -0.03 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

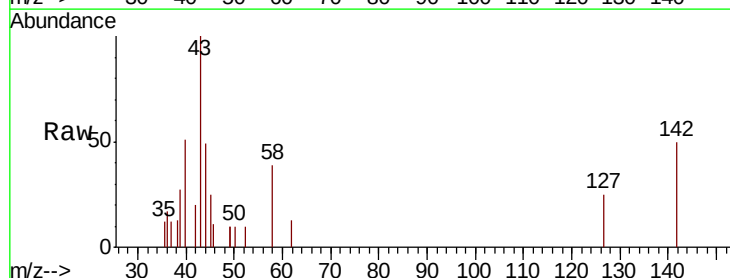
Tgt Ion: 142 Resp: 557

Ion Ratio Lower Upper

142 100

127 34.5 32.7 49.1

141 8.3 11.5 17.3#



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

300

200

100

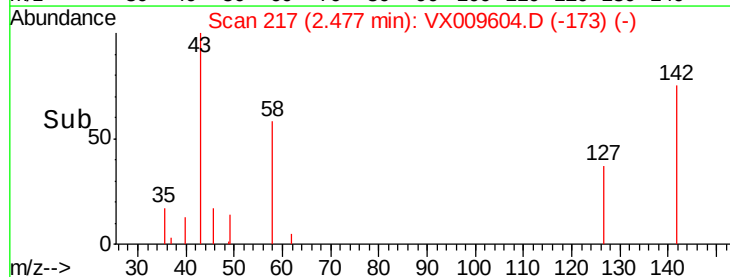
0

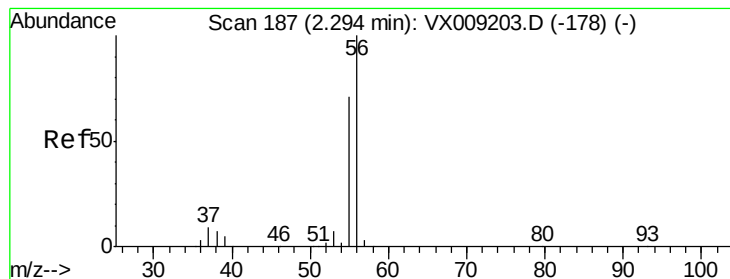
2.45

2.50

2.55

Time-->





#13

Acrolein

Concen: 0.212 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

Instrument :

MSVOA_X

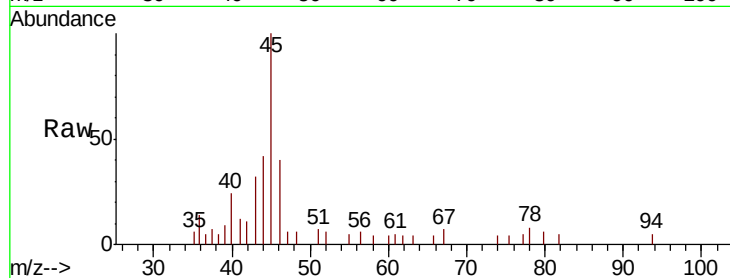
ClientSampled :

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

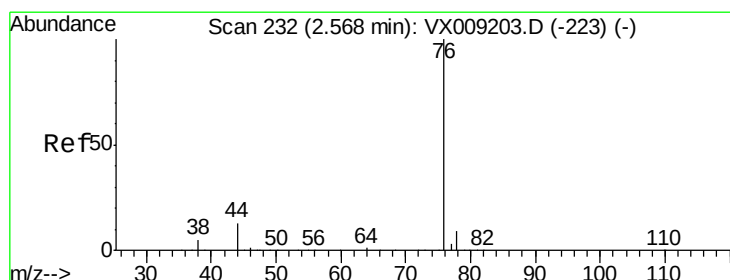
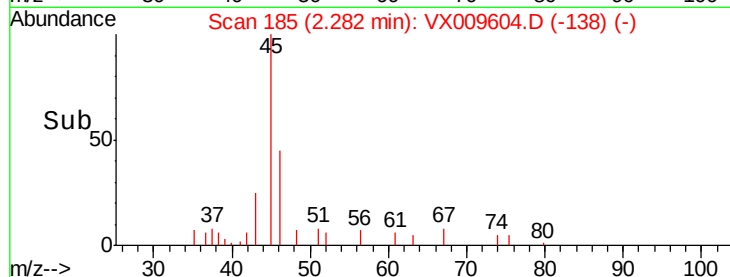
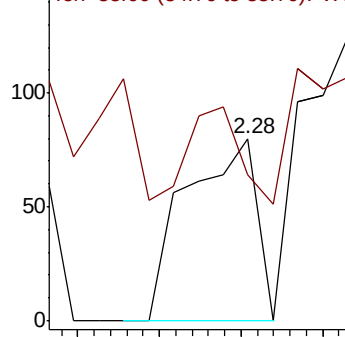
56 100

55 46.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#17

Carbon Disulfide

Concen: 0.262 ug/l

RT: 2.53 min Scan# 226

Delta R.T. -0.04 min

Lab File: VX009604.D

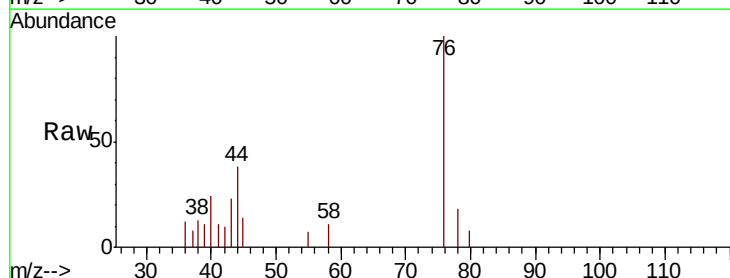
Acq: 16 May 2019 14:00

Tgt Ion: 76 Resp: 1078

Ion Ratio Lower Upper

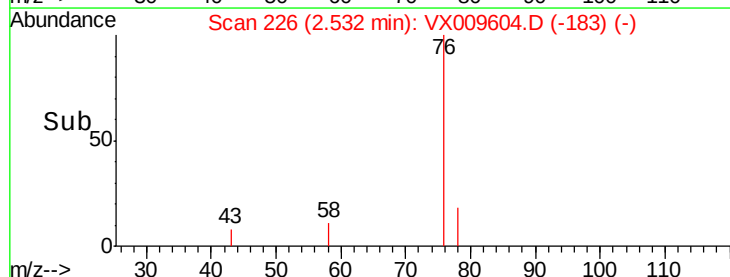
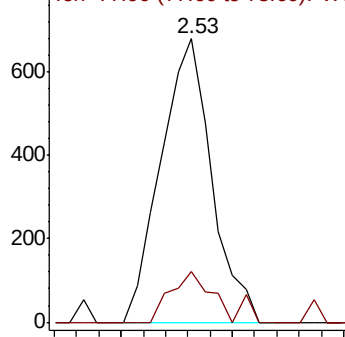
76 100

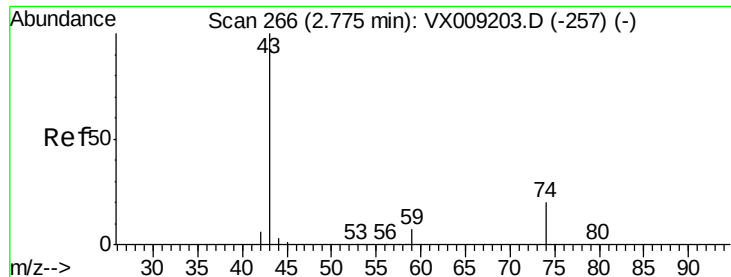
78 17.9 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

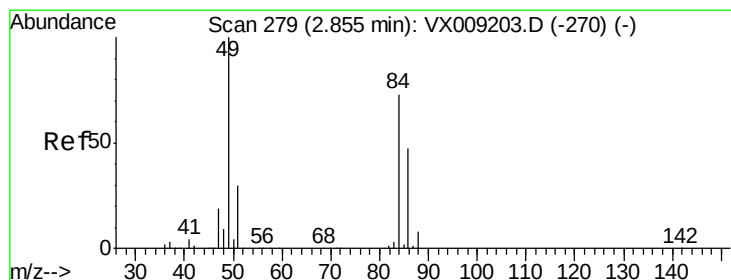
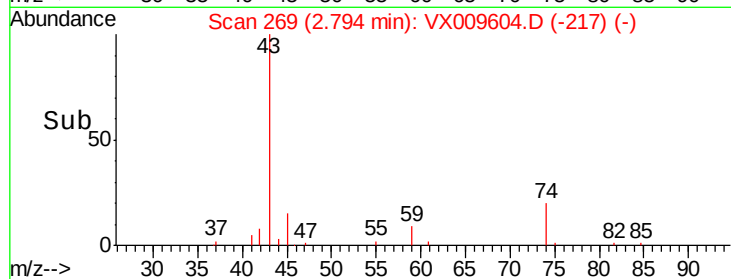
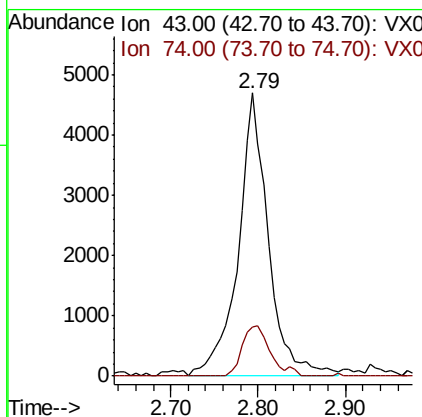
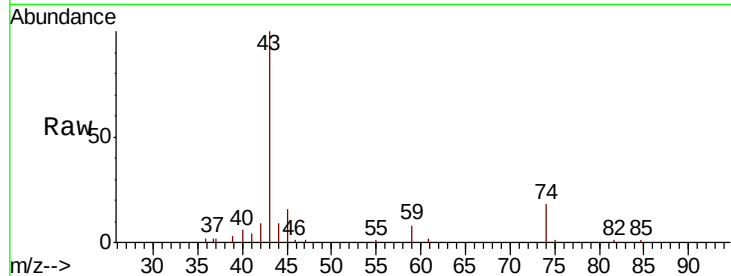




#18
Methvl Acetate
Concen: 4.129 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX009604.D
Acq: 16 May 2019 14:00

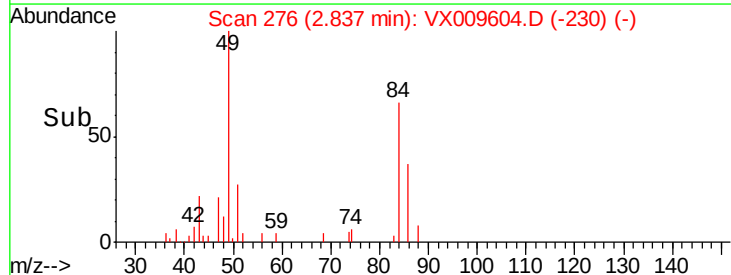
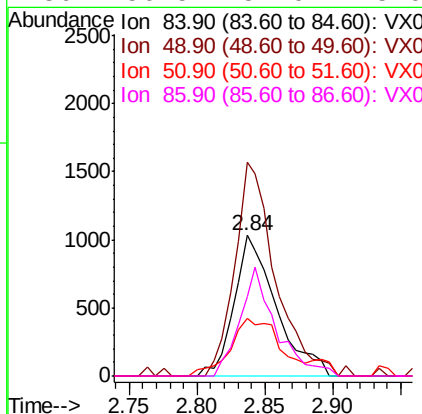
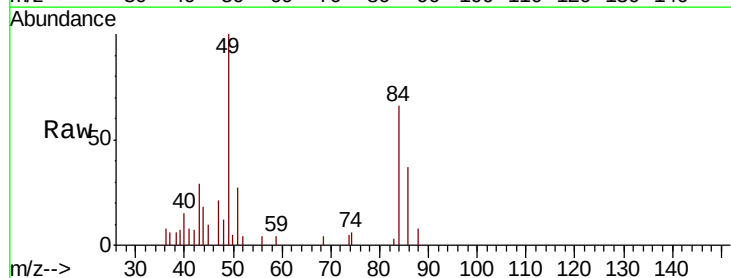
Instrument :
MSVOA_X
ClientSampled :

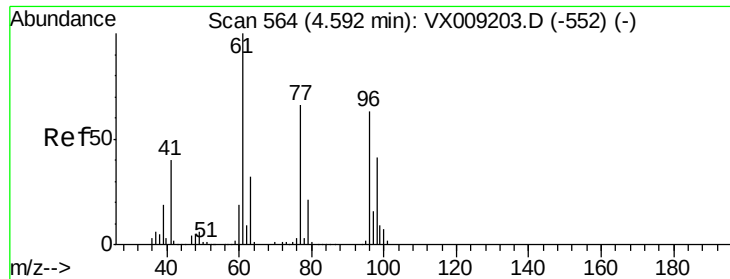
Tot Ion: 43 Resp: 11260
Ion Ratio Lower Upper
43 100
74 16.6 16.2 24.4



#20
Methylene Chloride
Concen: 1.196 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX009604.D
Acq: 16 May 2019 14:00

Tgt Ion: 84 Resp: 2221
Ion Ratio Lower Upper
84 100
49 151.7 109.9 164.9
51 41.3 32.7 49.1
86 56.5 52.0 78.0



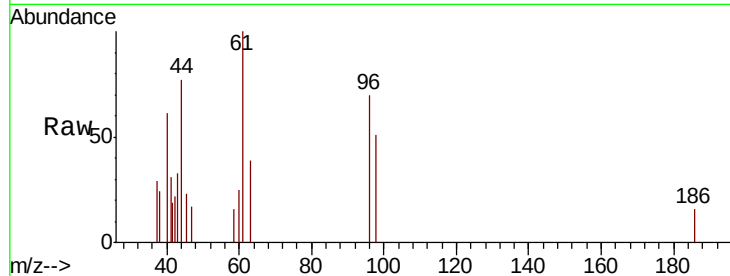


#27

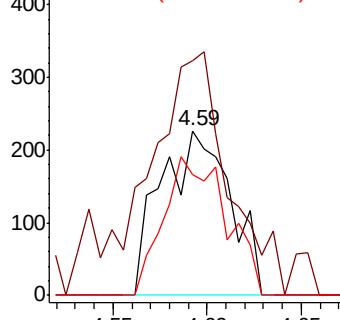
cis-1,2-Dichloroethene
Concen: 0.304 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009604.D
Acq: 16 May 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :

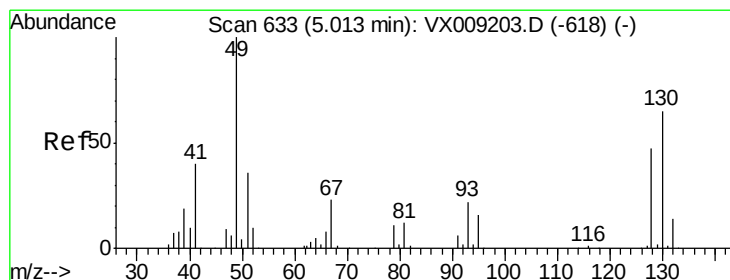
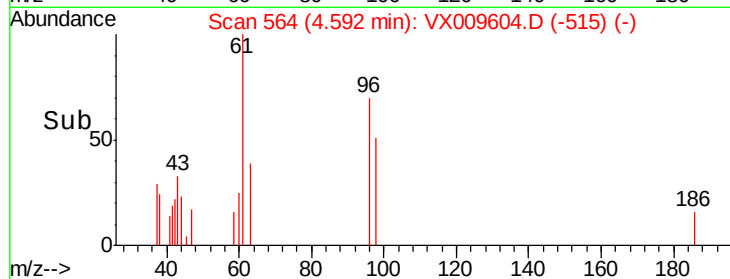
Tot Ion: 96 Resp: 578
Ion Ratio Lower Upper
96 100
61 154.2 0.0 324.0
98 76.1 0.0 130.4



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



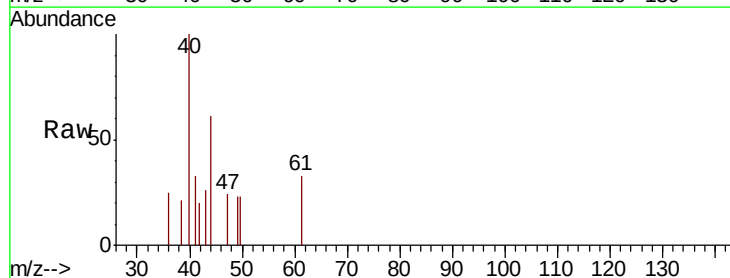
Time-->



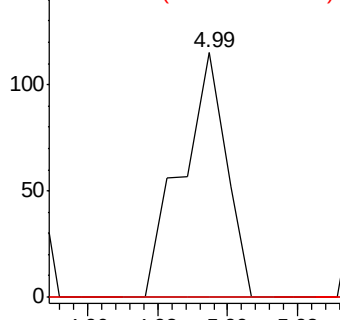
#28

Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 630
Delta R.T. -0.02 min
Lab File: VX009604.D
Acq: 16 May 2019 14:00

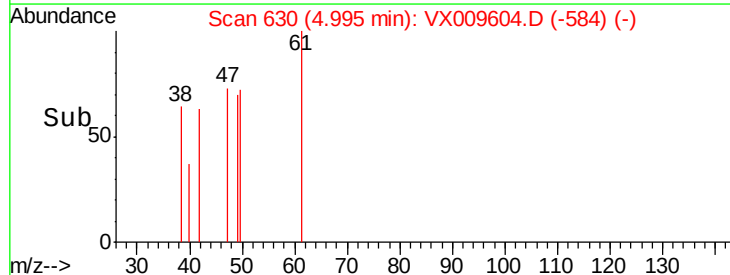
Tgt Ion: 49 Resp: 102
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

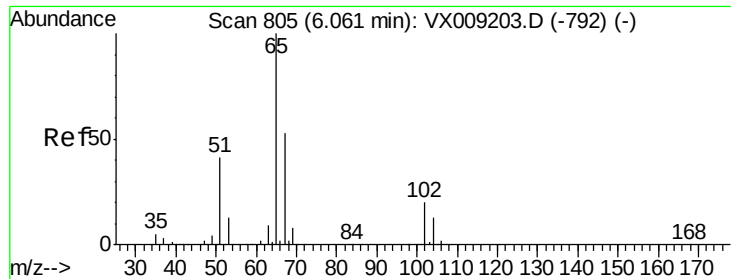


Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



Time-->

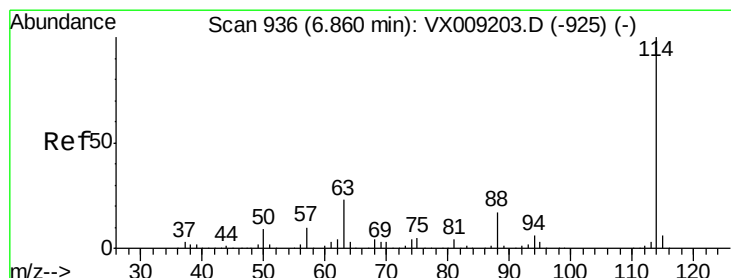
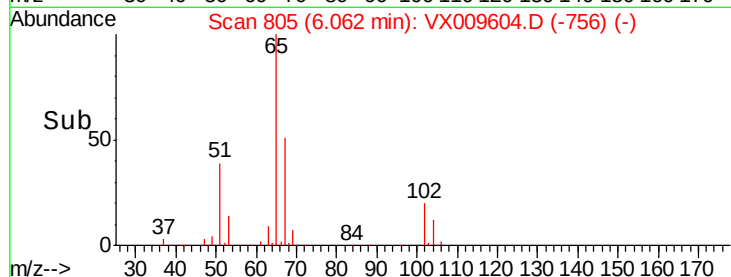
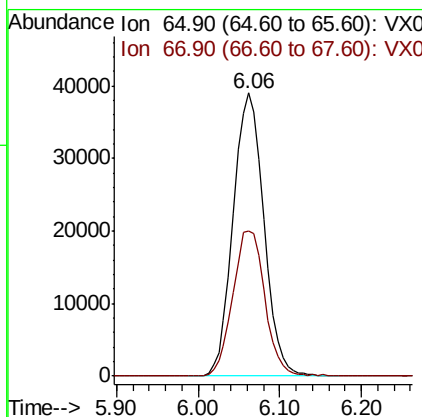
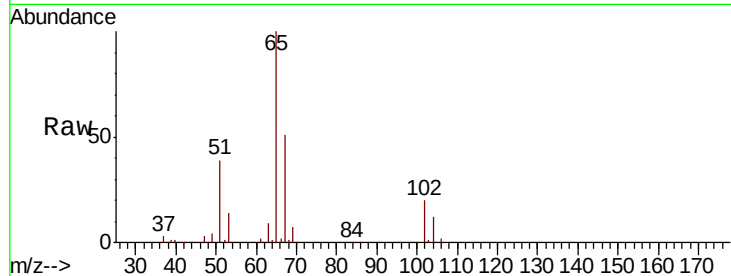




#33
 1,2-Dichloroethane-d4
 Concen: 47.714 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009604.D
 Acq: 16 May 2019 14:00

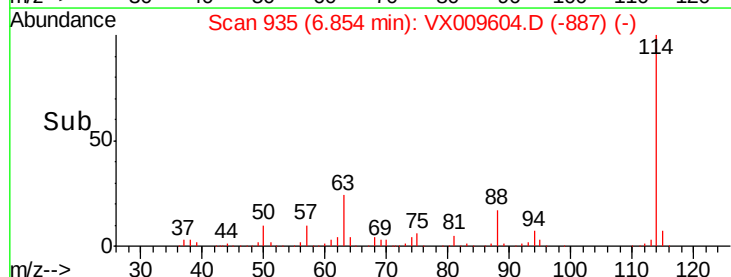
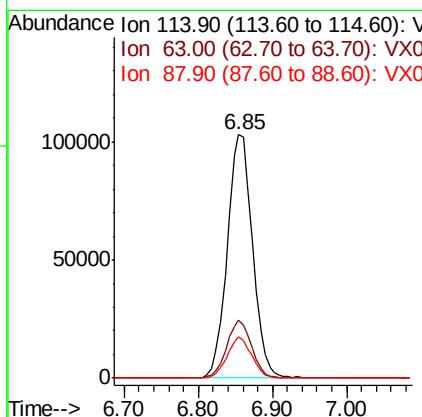
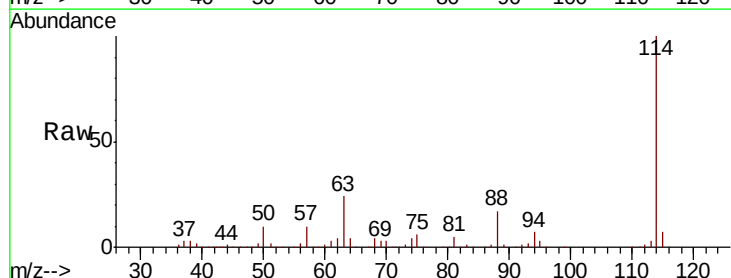
Instrument :
 MSVOA_X
 ClientSampleId :

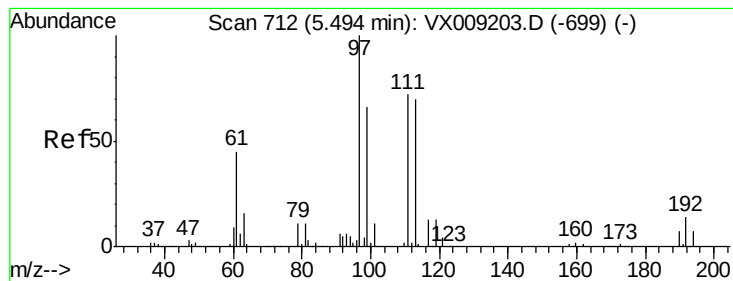
Tot Ion: 65 Resp: 101896
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009604.D
 Acq: 16 May 2019 14:00

Tgt Ion: 114 Resp: 245315
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.6
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.960 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

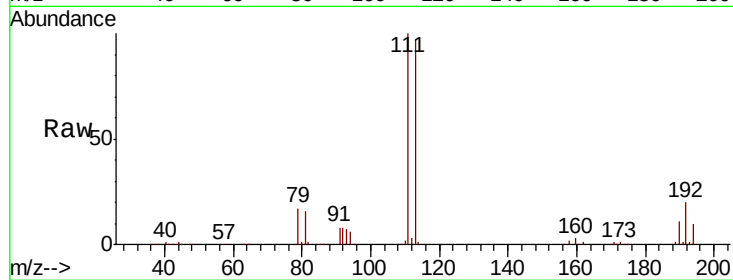
Tot Ion:113 Resp: 72420

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

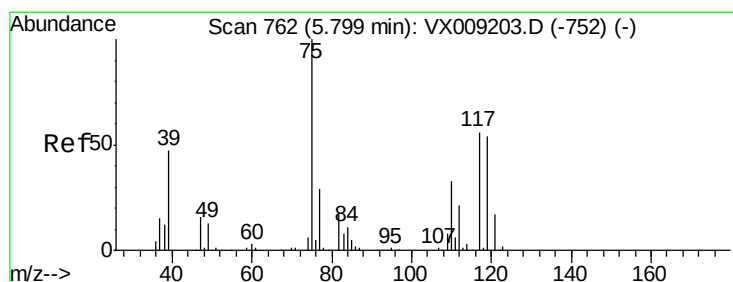
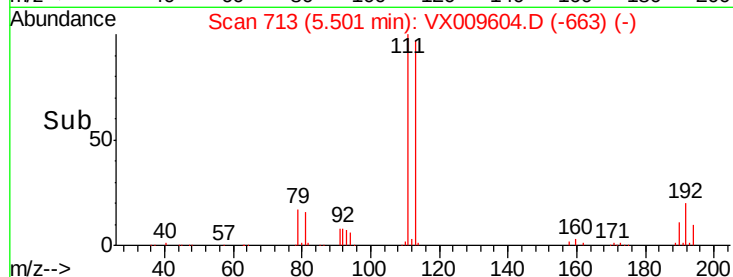
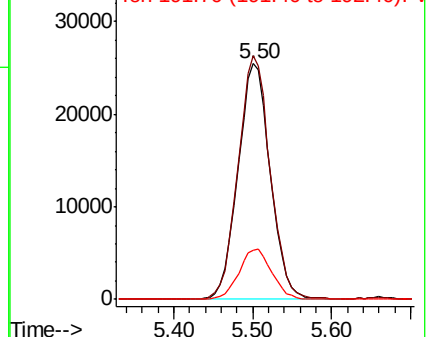
192 21.7 17.0 25.6



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: 5.319 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

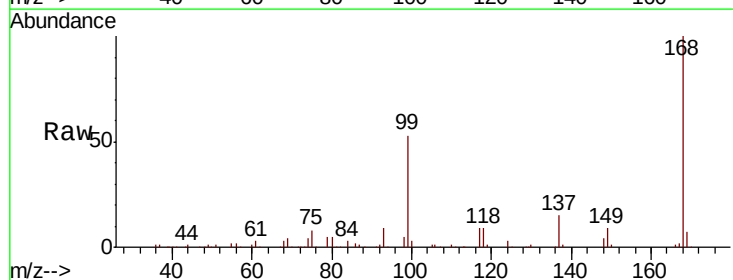
Tgt Ion: 75 Resp: 12126

Ion Ratio Lower Upper

75 100

110 5.0 16.9 50.6#

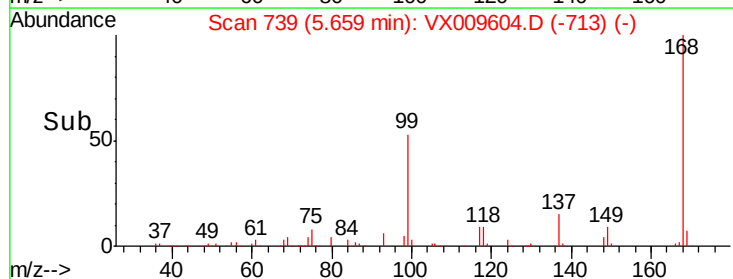
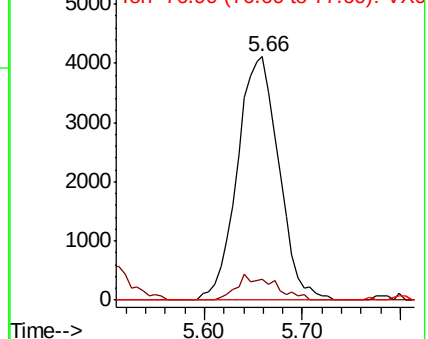
77 0.0 24.8 37.2#

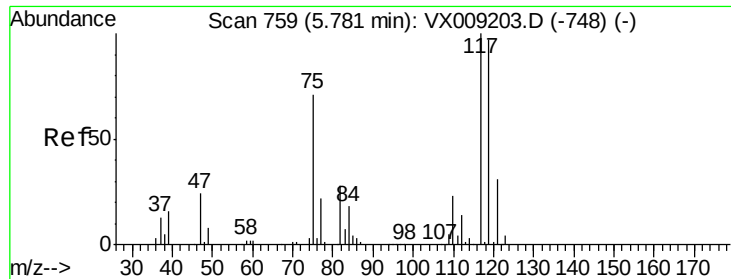


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.089 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

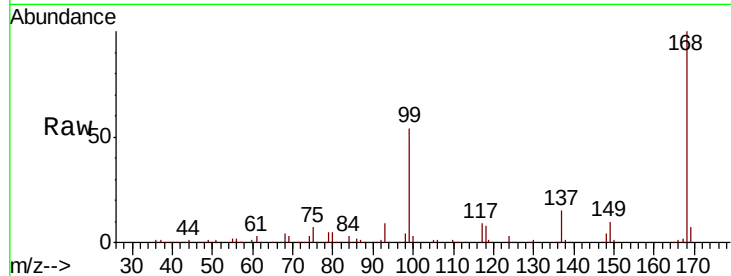
Tot Ion:117 Resp: 14684

Ion Ratio Lower Upper

117 100

119 6.5 77.5 116.3#

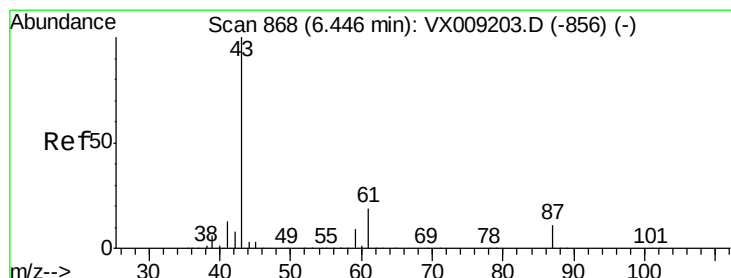
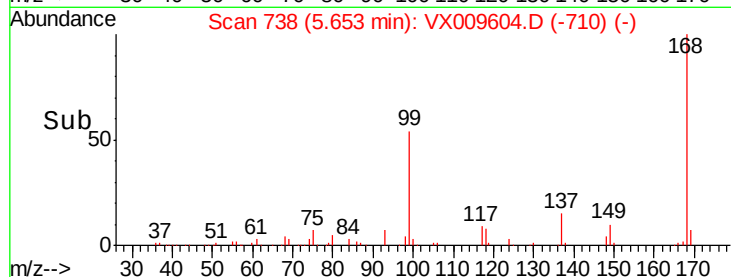
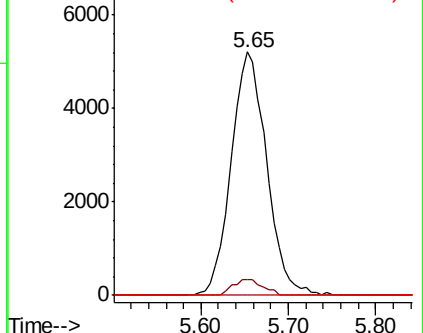
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 0.207 ug/l

RT: 6.48 min Scan# 873

Delta R.T. 0.03 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

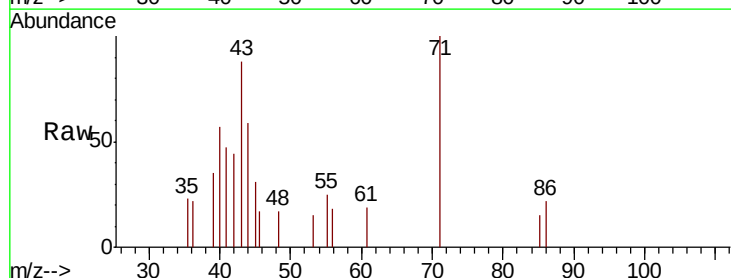
Tgt Ion: 43 Resp: 1053

Ion Ratio Lower Upper

43 100

61 2.4 15.1 22.7#

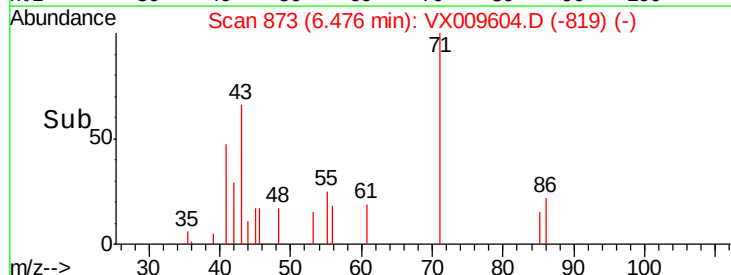
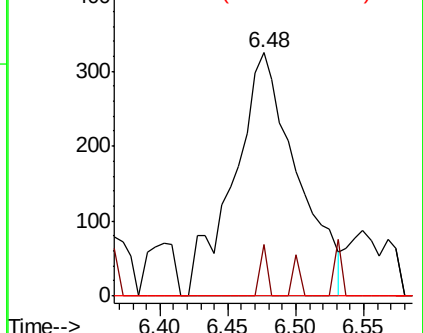
87 0.0 9.0 13.6#

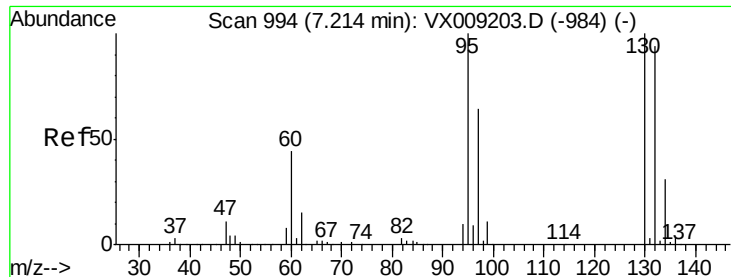


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

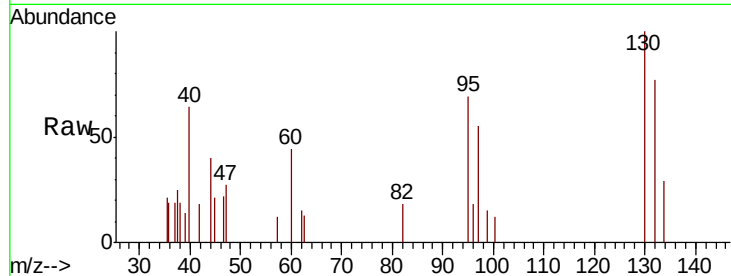




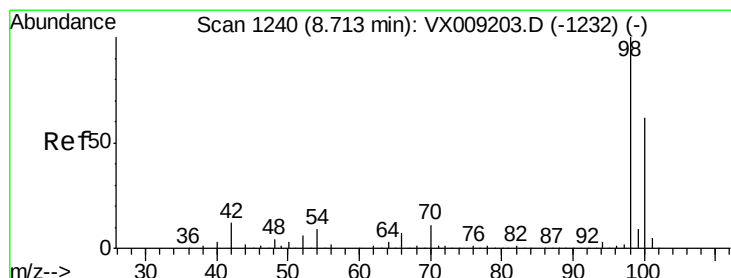
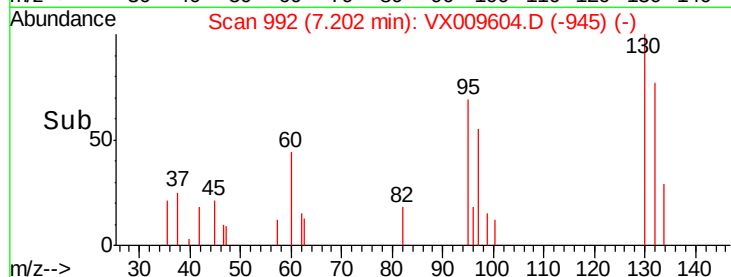
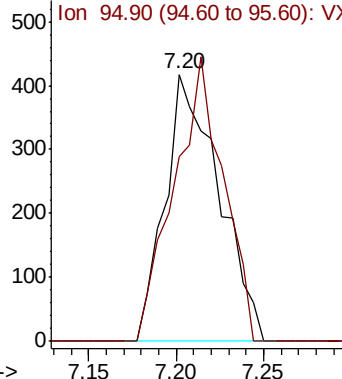
#44
 Trichloroethene
 Concen: 0.524 ug/l
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX009604.D
 Acq: 16 May 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 894
 Ion Ratio Lower Upper
 130 100
 95 68.9 0.0 199.2

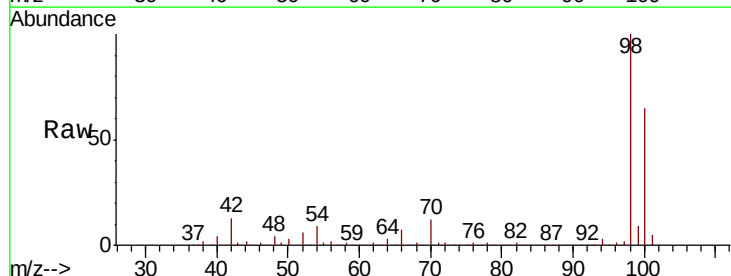


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

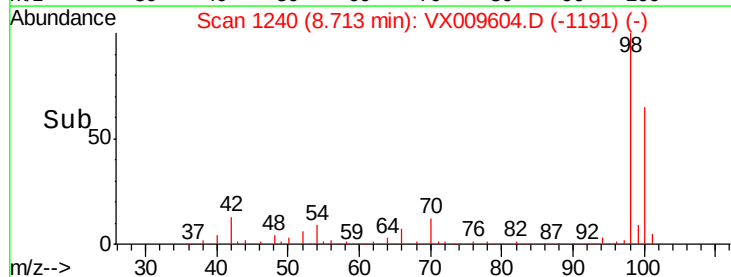
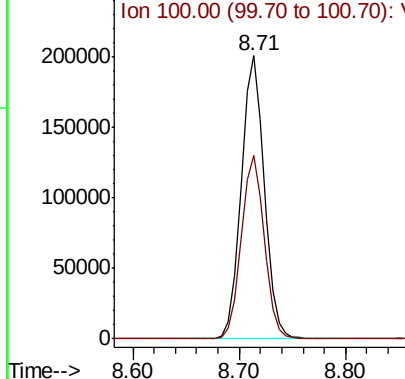


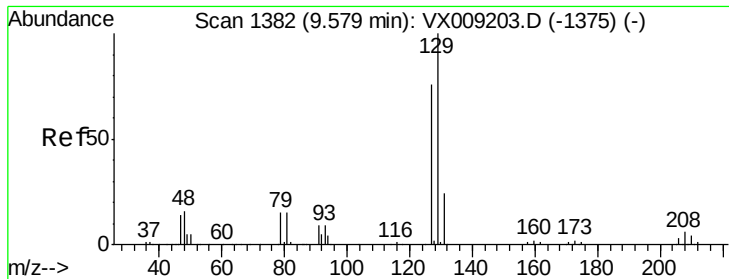
#50
 Toluene-d8
 Concen: 49.070 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009604.D
 Acq: 16 May 2019 14:00

Tgt Ion: 98 Resp: 305509
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.205 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

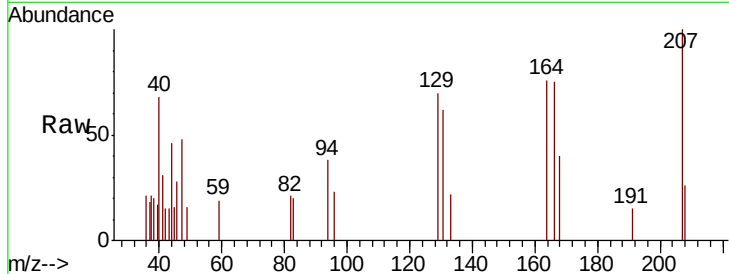
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 351

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

250

200

150

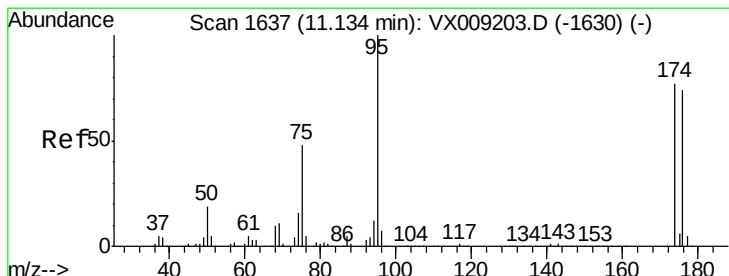
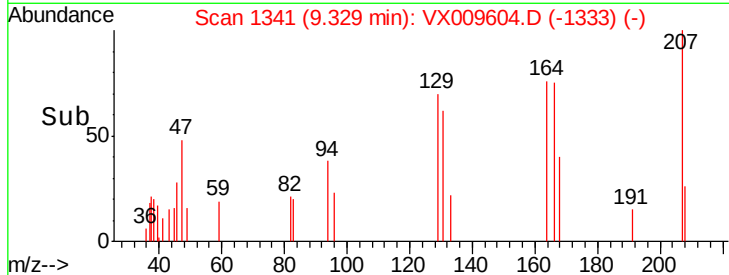
100

50

0

9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 44.291 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

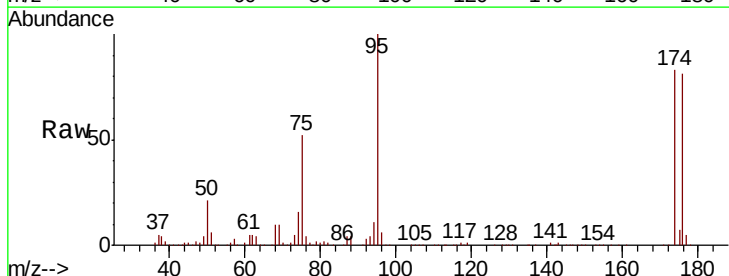
Tgt Ion: 95 Resp: 100200

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

176 78.4 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

100000

80000

60000

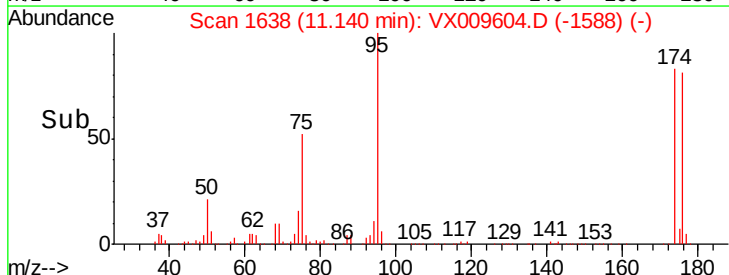
40000

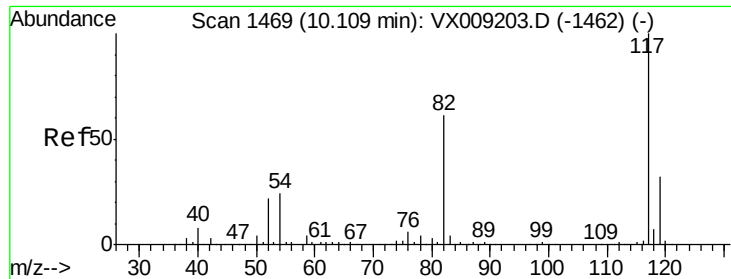
20000

0

11.10 11.20

Time-->

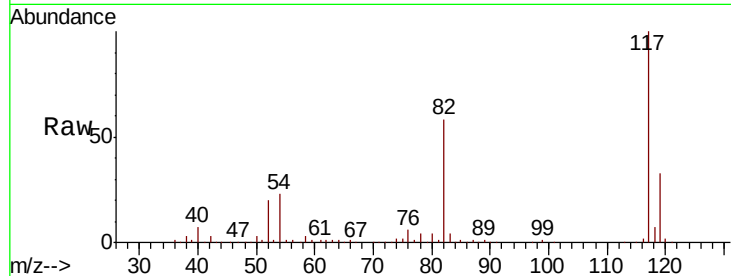




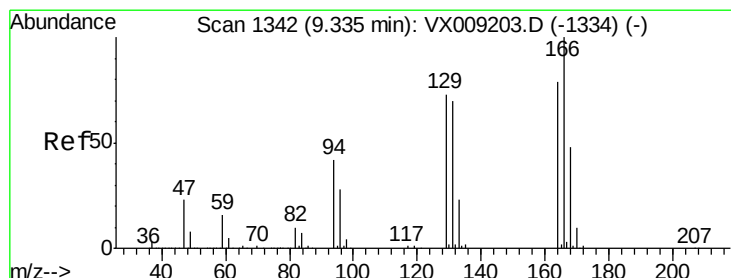
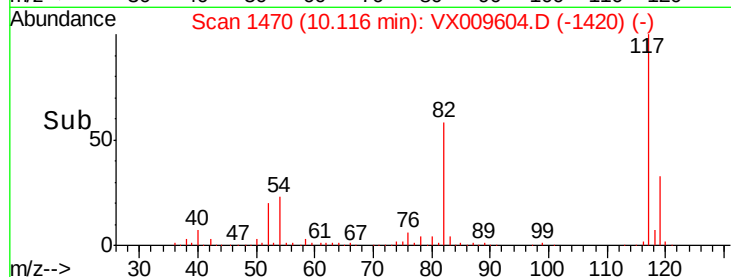
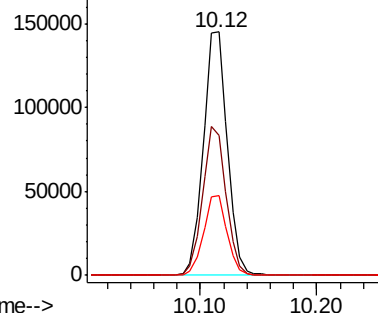
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009604.D
Acq: 16 May 2019 14:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 207868
Ion Ratio Lower Upper
117 100
82 57.7 48.8 73.2
119 33.0 25.8 38.6

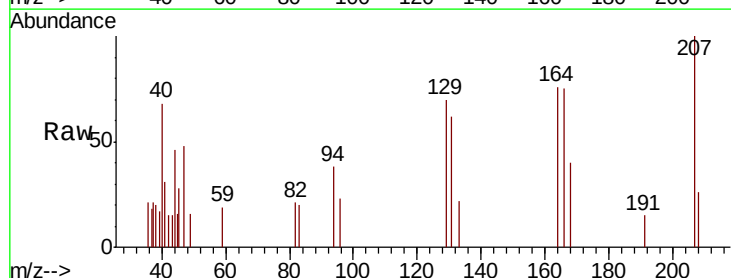


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

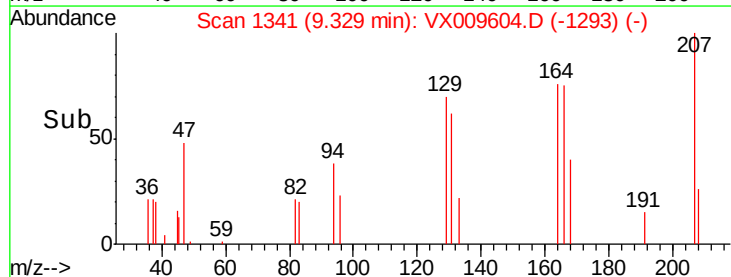
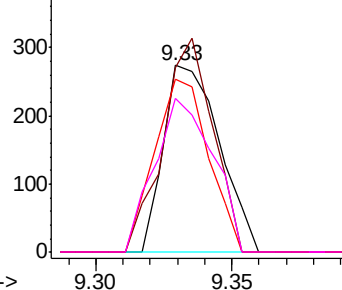


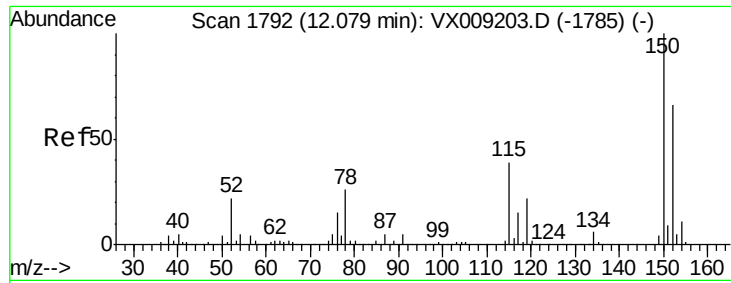
#64
Tetrachloroethene
Concen: 0.274 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX009604.D
Acq: 16 May 2019 14:00

Tgt Ion:164 Resp: 390
Ion Ratio Lower Upper
164 100
166 98.9 101.2 151.8#
129 92.7 74.3 111.5
131 82.1 71.0 106.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

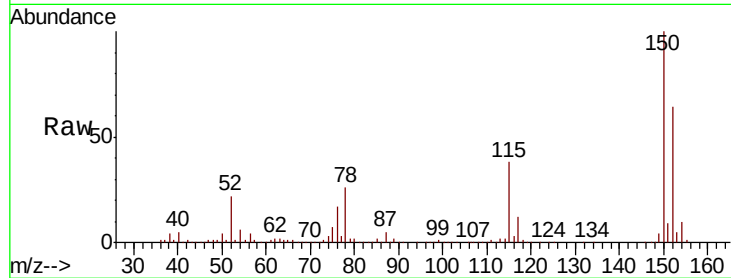
Tot Ion:152 Resp: 93834

Ion Ratio Lower Upper

152 100

115 58.8 41.2 123.6

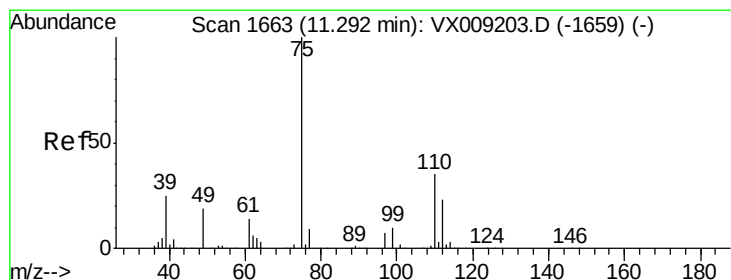
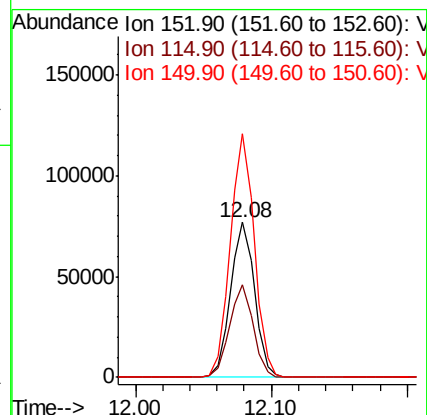
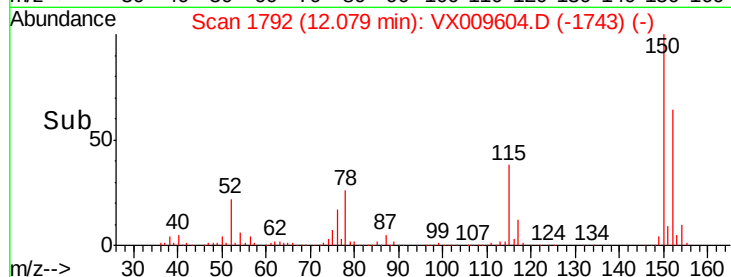
150 157.6 0.0 346.4



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: 23.844 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX009604.D

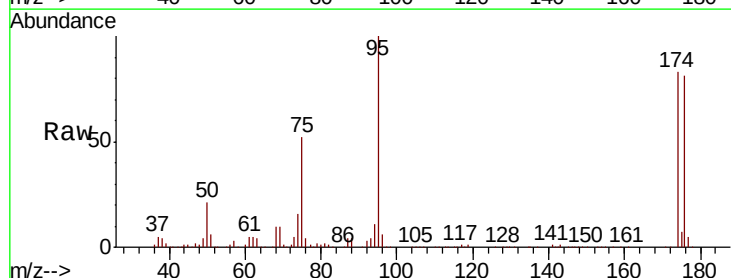
Acq: 16 May 2019 14:00

Tgt Ion: 75 Resp: 51899

Ion Ratio Lower Upper

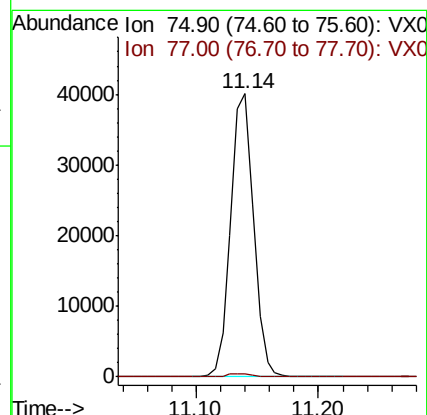
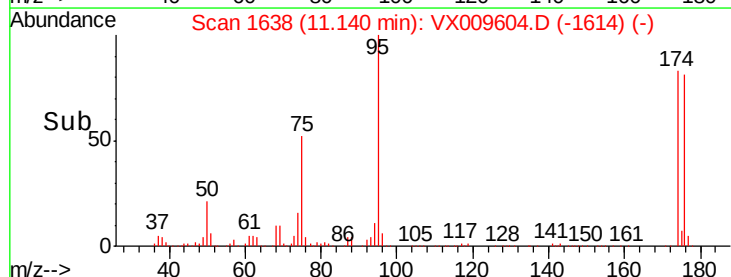
75 100

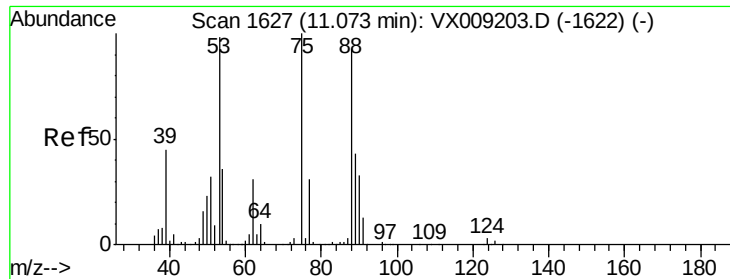
77 1.3 22.1 66.1#



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: 61.008 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

Instrument :

MSVOA_X

ClientSampled :

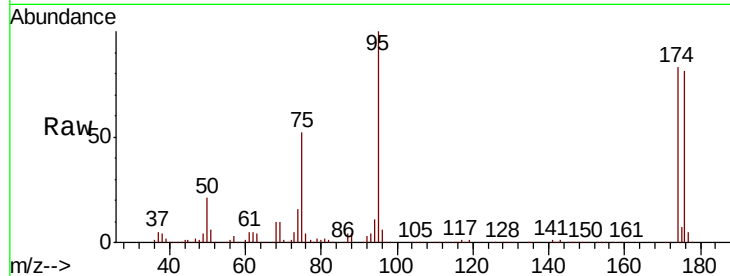
Tot Ion: 75 Resp: 51899

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

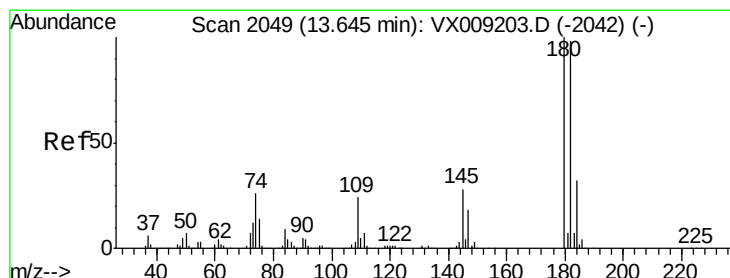
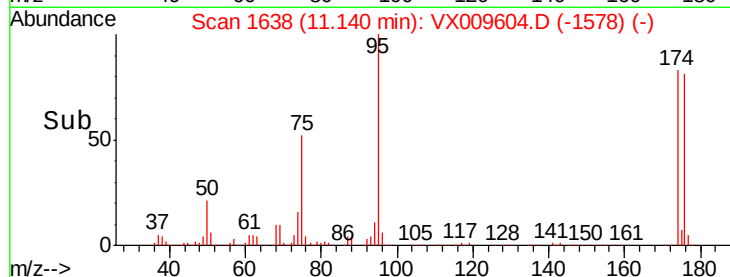
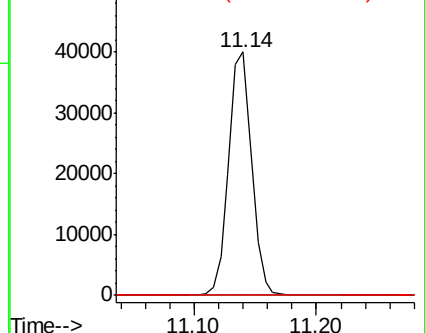
89 0.0 34.7 52.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.205 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009604.D

Acq: 16 May 2019 14:00

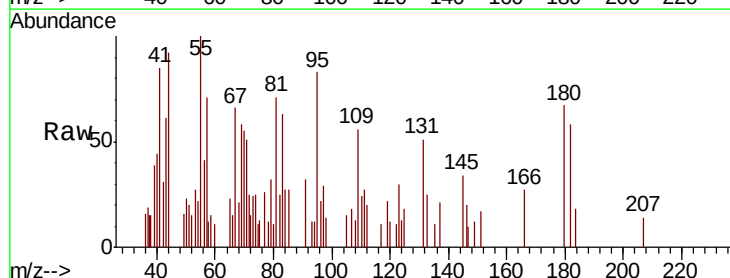
Tgt Ion:180 Resp: 431

Ion Ratio Lower Upper

180 100

182 97.9 48.4 145.2

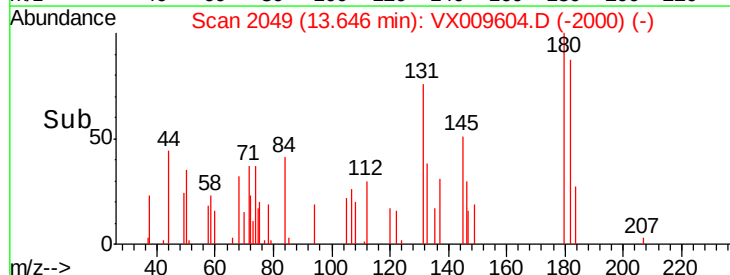
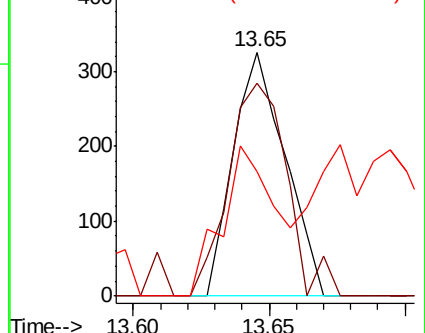
145 63.6 14.6 43.8#

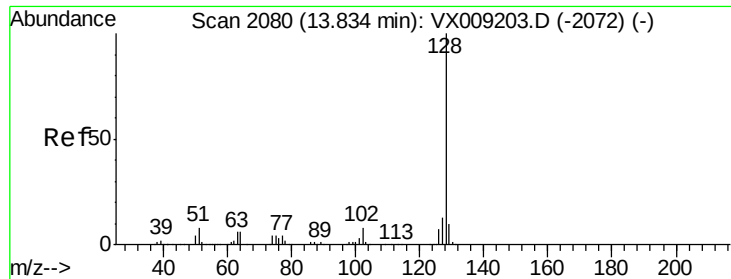


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

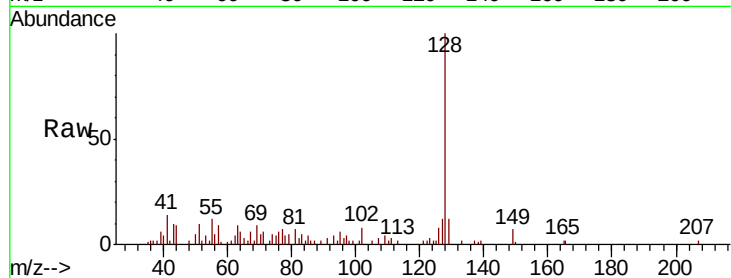




#95
Naphthalene
Concen: 0.802 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009604.D
Acq: 16 May 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.4	15.6#
129	12.5	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

