

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016775.D
 Acq On : 16 Jun 2020 13:36
 Operator : JC/SP
 Sample : L3000-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Jun 17 03:55:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	241049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	380175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	388001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	137940	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	5.47	113	114741	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	8.70	98	462376	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	11.12	95	188054	56.84	ug/l	0.00
Spiked Amount			Recovery	=	113.68%	

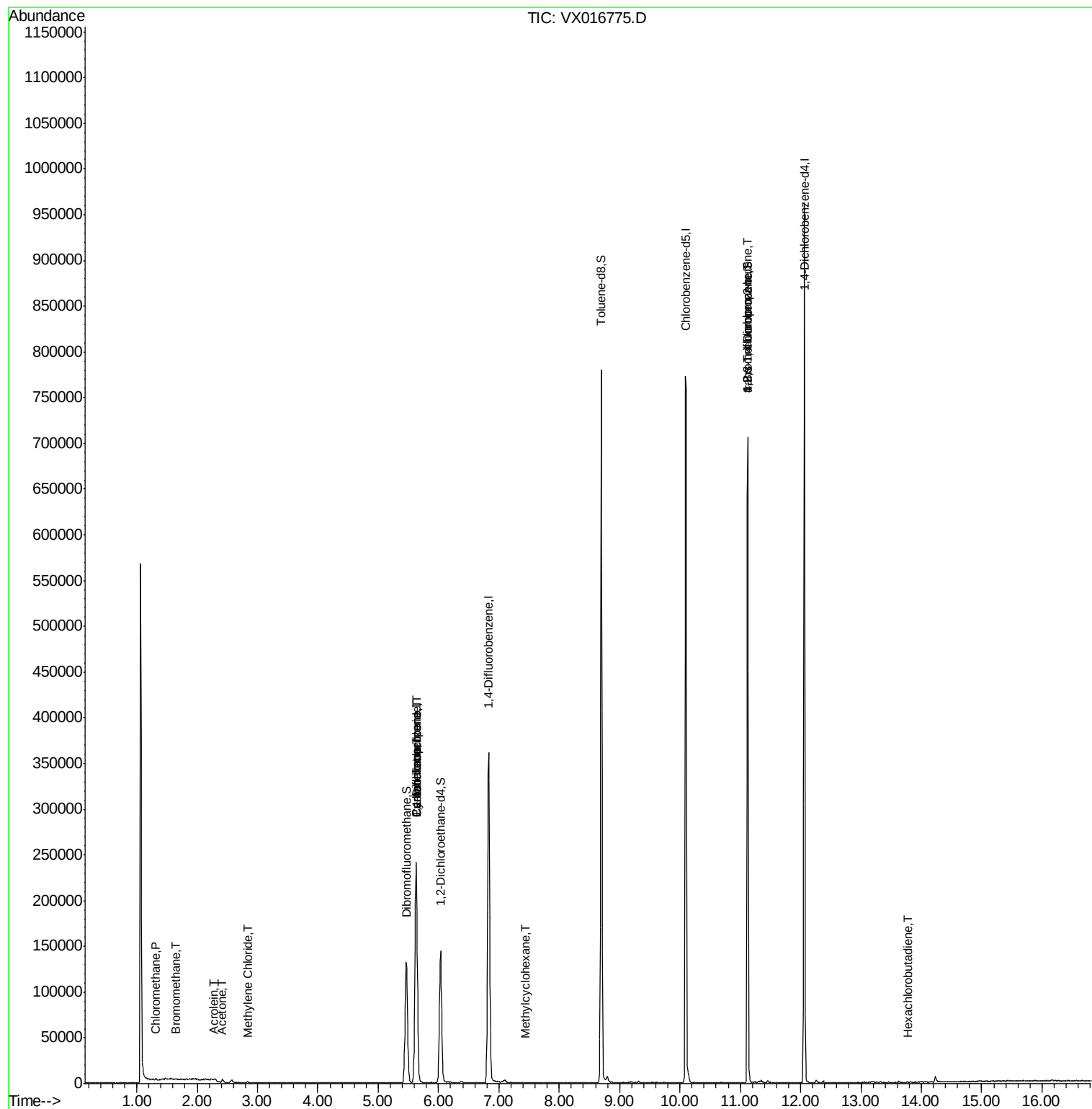
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	980	0.372	ug/l #	79
5) Bromomethane	1.65	94	380	0.218	ug/l #	39
13) Acrolein	2.28	56	229	3.088	ug/l #	80
16) Acetone	2.42	43	3526	2.867	ug/l	90
20) Methylene Chloride	2.83	84	582	0.220	ug/l #	87
31) Cyclohexane	5.63	56	4034	1.836	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	15372	4.575	ug/l #	50
38) Carbon Tetrachloride	5.64	117	22700	5.949	ug/l #	15
39) Methylcyclohexane	7.44	83	24	0.959	ug/l #	19
76) 1,2,3-Trichloropropane	11.12	75	91178	21.689	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	91178	54.601	ug/l #	13
94) Hexachlorobutadiene	13.78	225	231	0.532	ug/l #	60

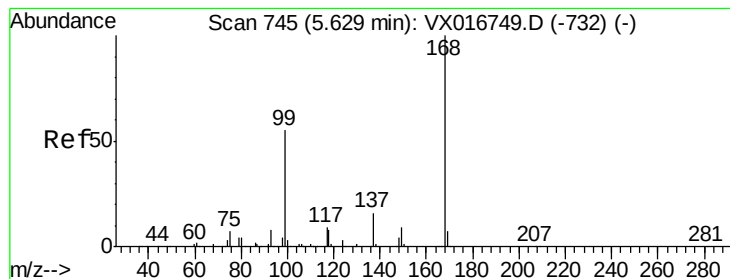
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

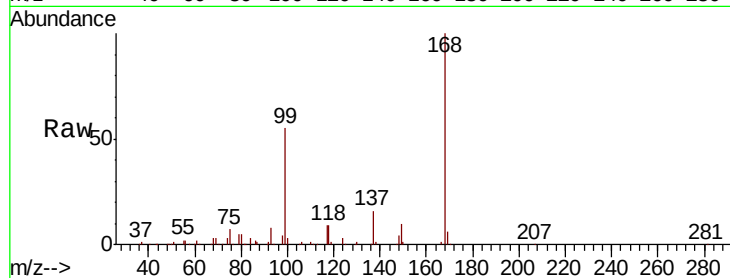
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 241049

Ion Ratio Lower Upper

168 100

99 54.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

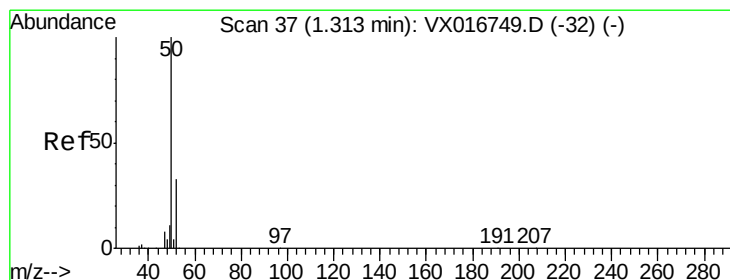
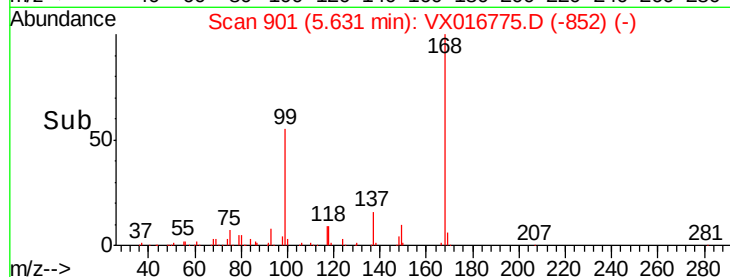
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.372 ug/l

RT: 1.31 min Scan# 193

Delta R.T. 0.00 min

Lab File: VX016775.D

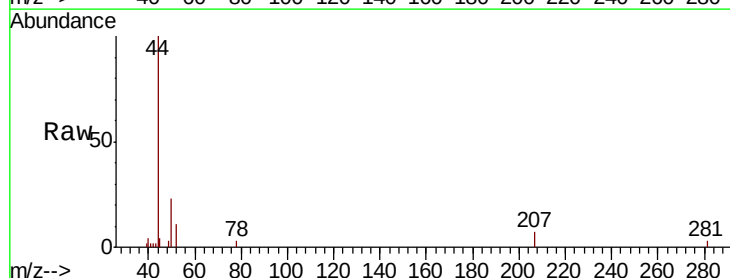
Acq: 16 Jun 2020 13:36

Tgt Ion: 50 Resp: 980

Ion Ratio Lower Upper

50 100

52 45.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

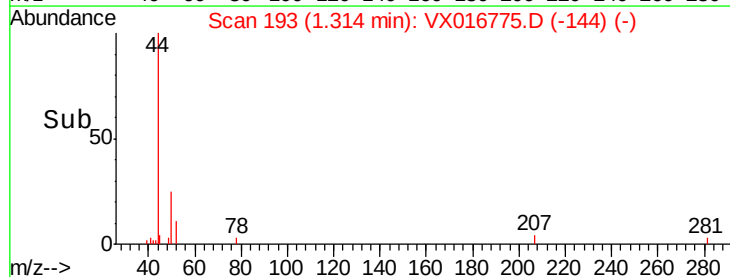
400

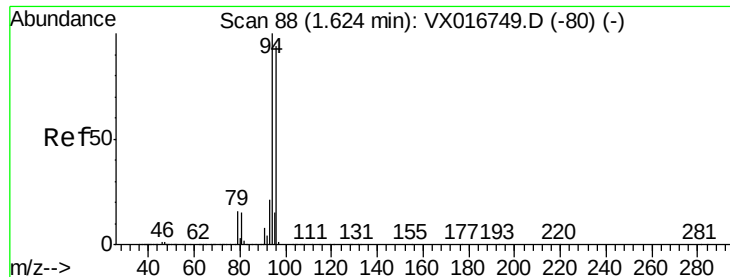
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.65 min Scan# 248

Delta R.T. 0.03 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

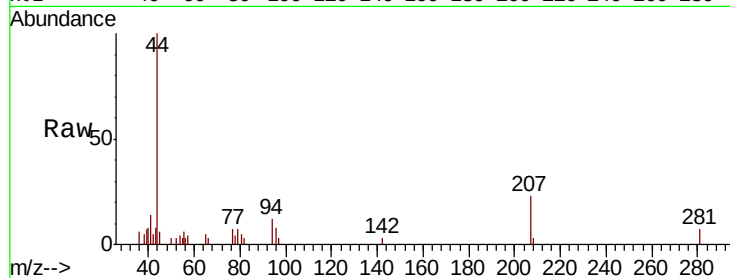
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 380

Ion Ratio Lower Upper

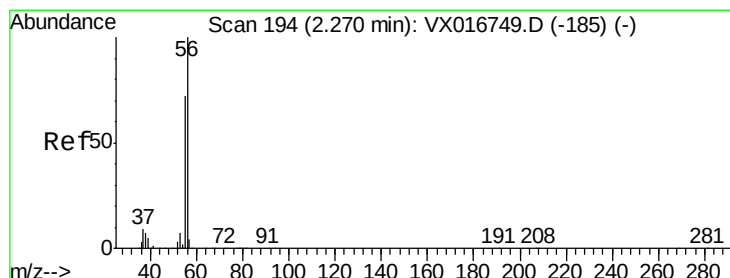
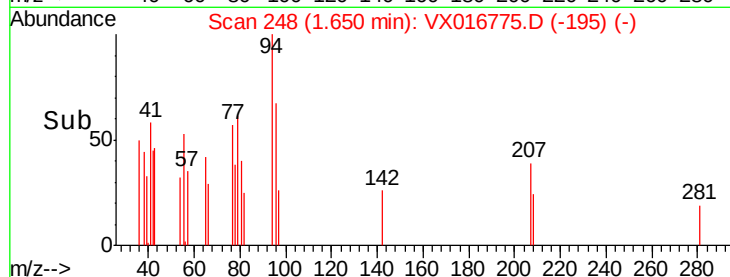
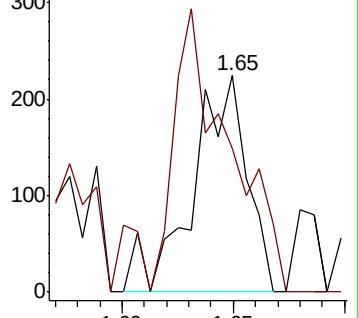
94 100

96 35.3 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 3.088 ug/l

RT: 2.28 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX016775.D

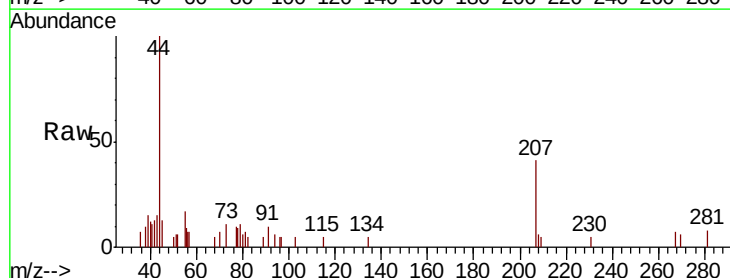
Acq: 16 Jun 2020 13:36

Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

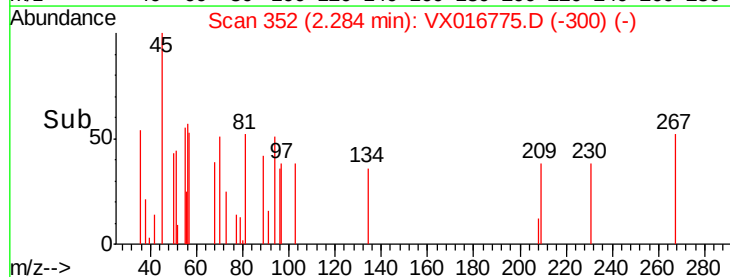
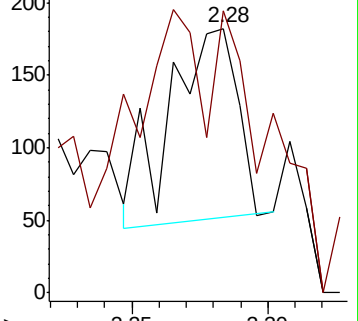
56 100

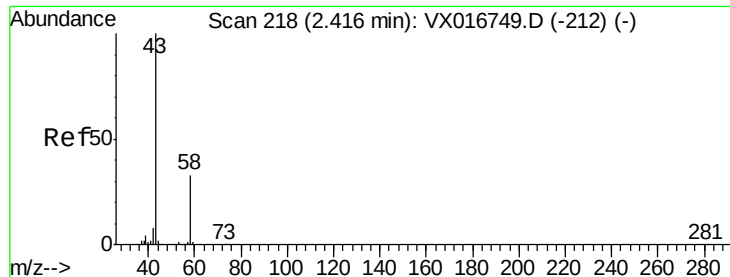
55 89.5 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.867 ug/l

RT: 2.42 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

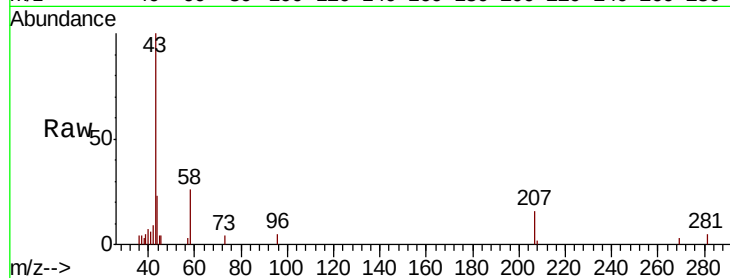
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 3526

Ion Ratio Lower Upper

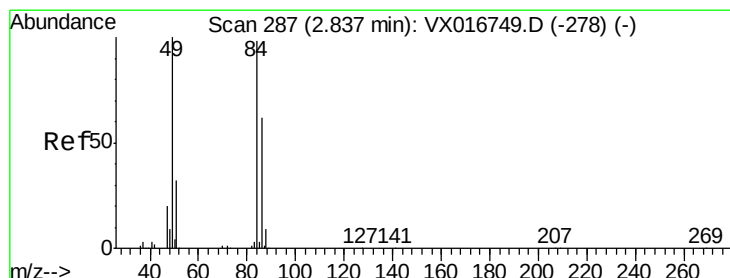
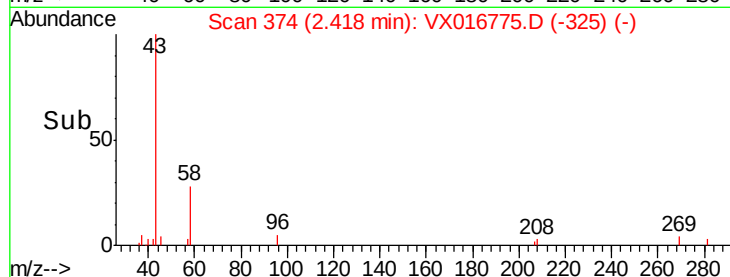
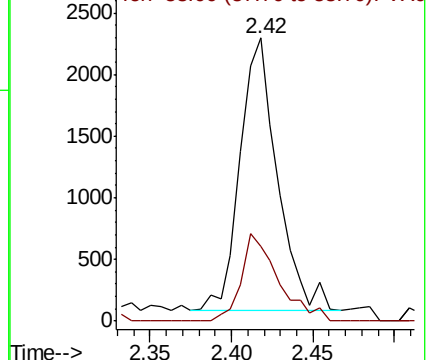
43 100

58 27.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.220 ug/l

RT: 2.83 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

Tgt Ion: 84 Resp: 582

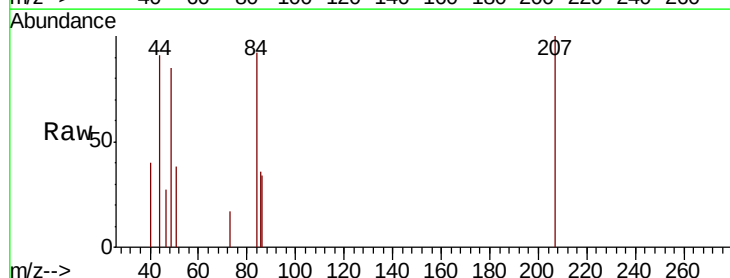
Ion Ratio Lower Upper

84 100

49 92.7 81.8 122.8

51 41.1 25.8 38.8#

86 76.1 50.4 75.6#

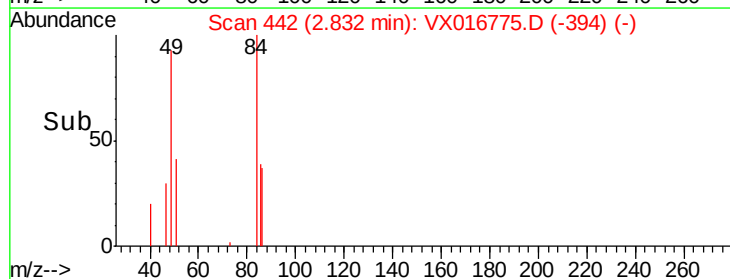
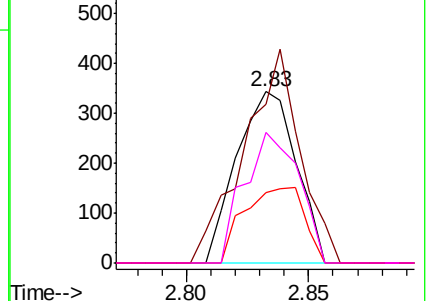


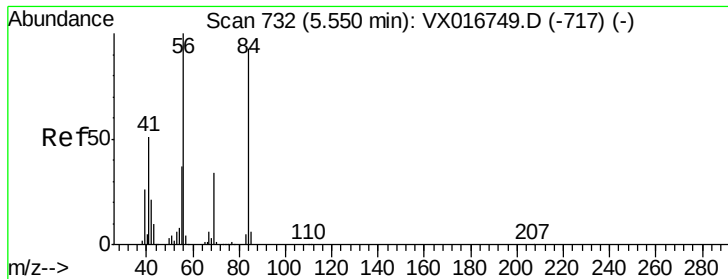
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

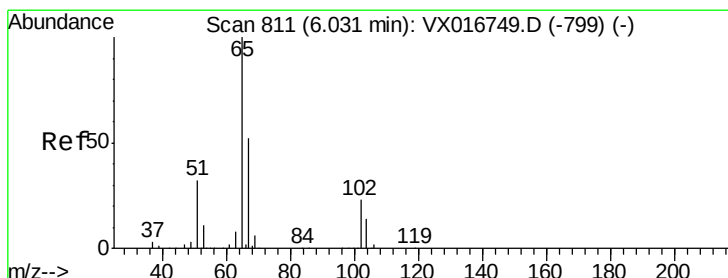
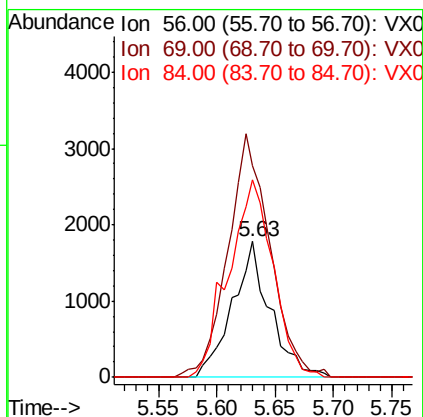
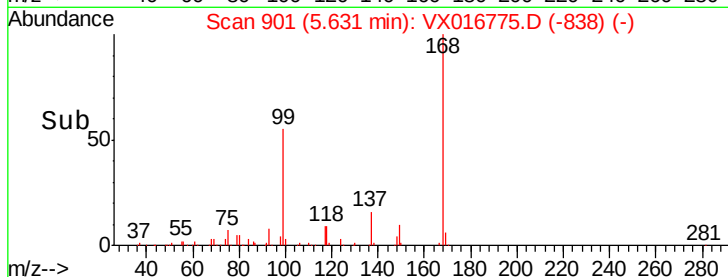
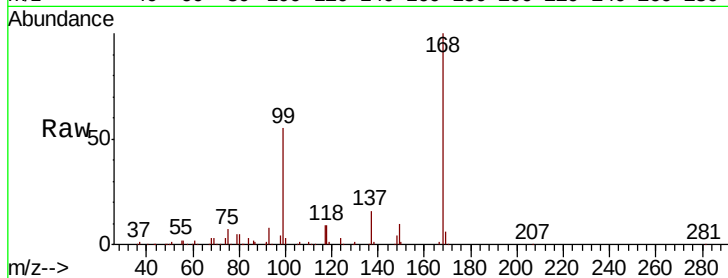




#31
Cyclohexane
Concen: 1.836 ug/l
RT: 5.63 min Scan# 901
Delta R.T. 0.08 min
Lab File: VX016775.D
Acq: 16 Jun 2020 13:36

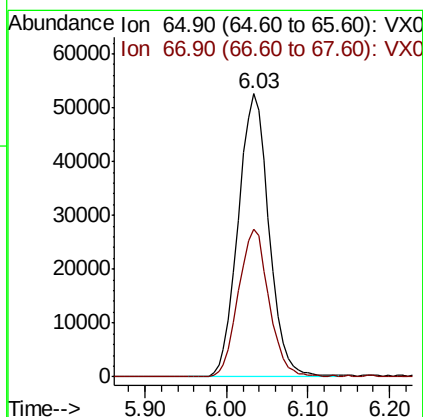
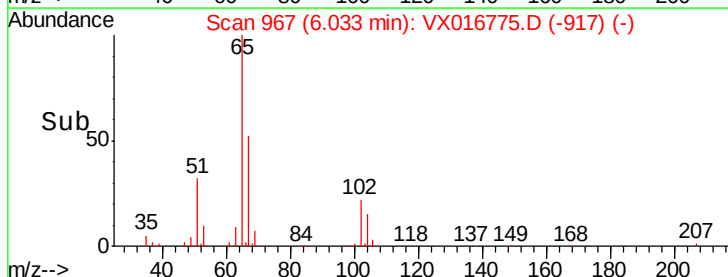
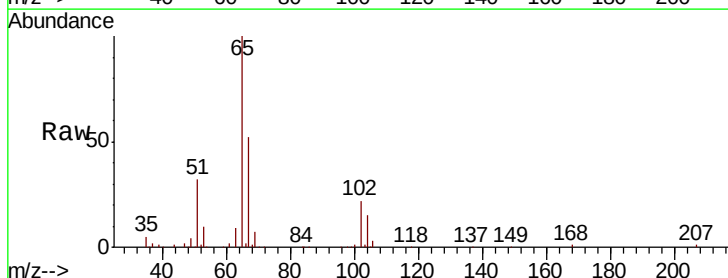
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

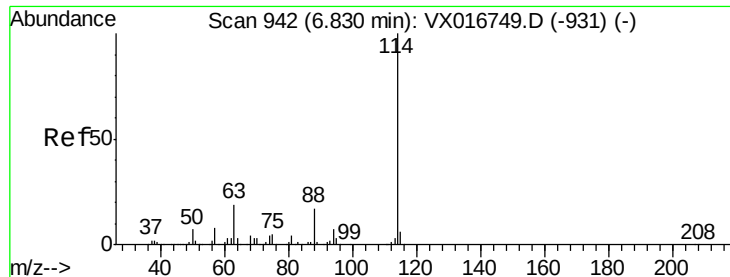
Tot Ion: 56 Resp: 4034
Ion Ratio Lower Upper
56 100
69 155.7 27.1 40.7#
84 145.0 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 50.877 ug/l
RT: 6.03 min Scan# 967
Delta R.T. 0.00 min
Lab File: VX016775.D
Acq: 16 Jun 2020 13:36

Tgt Ion: 65 Resp: 137940
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

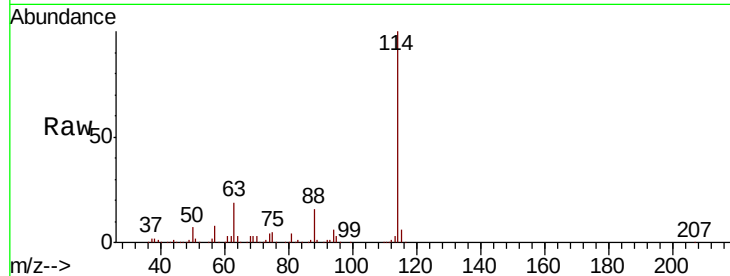
Tot Ion:114 Resp: 380175

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

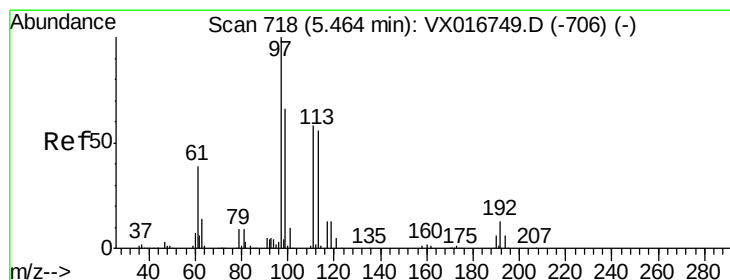
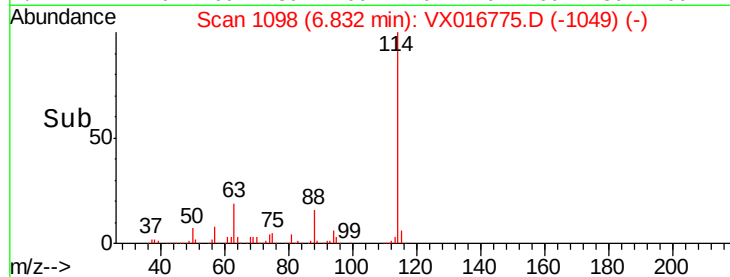
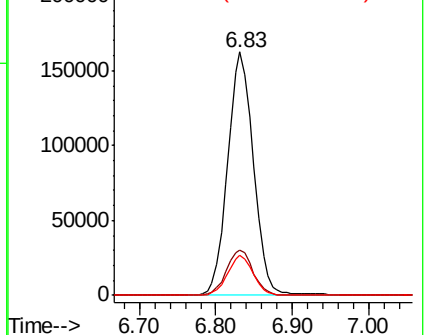
88 16.3 0.0 33.4



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: 48.917 ug/l

RT: 5.47 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

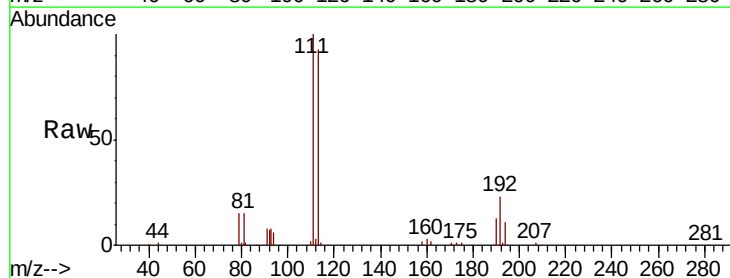
Tgt Ion:113 Resp: 114741

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.6

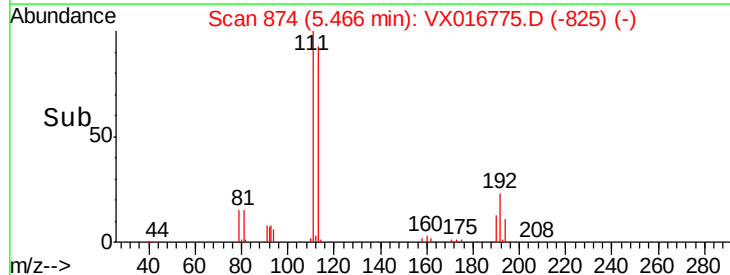
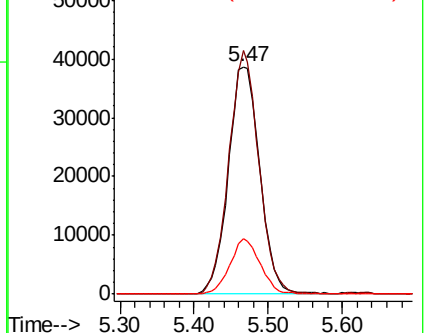
192 23.5 18.2 27.4

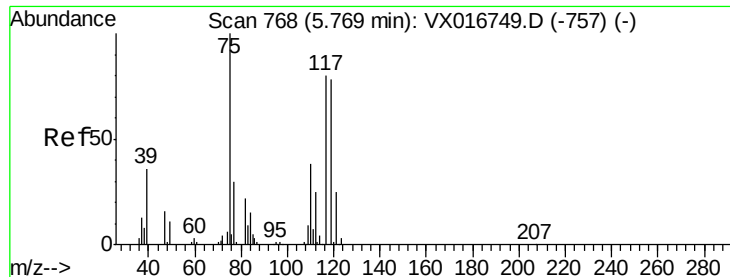


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

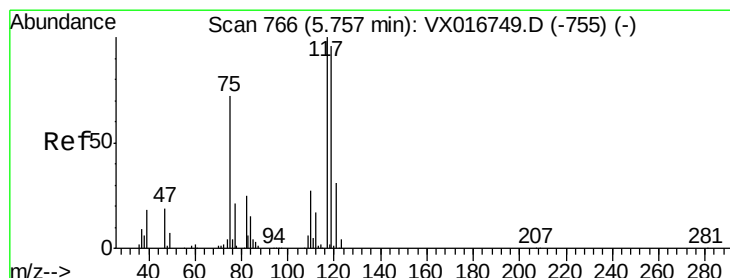
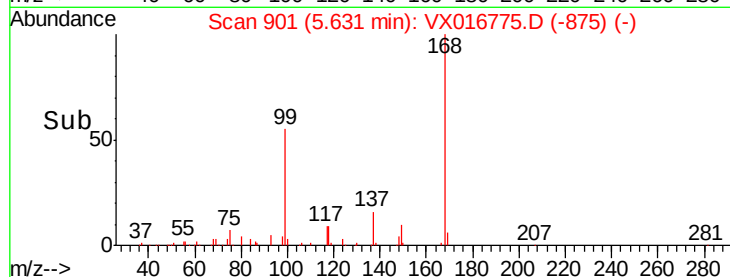
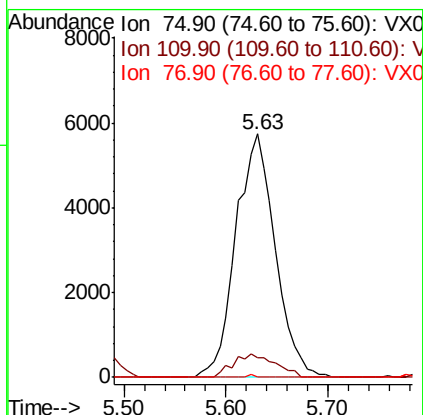
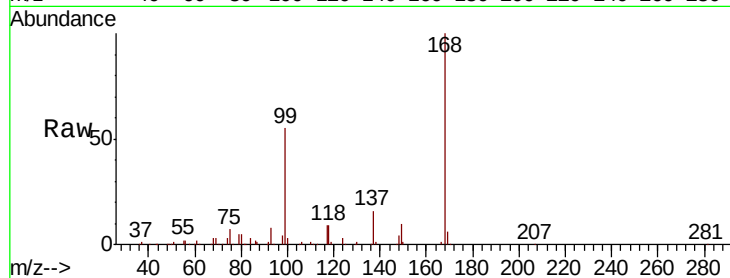




#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 5.63 min Scan# 901
 Delta R.T. -0.14 min
 Lab File: VX016775.D
 Acq: 16 Jun 2020 13:36

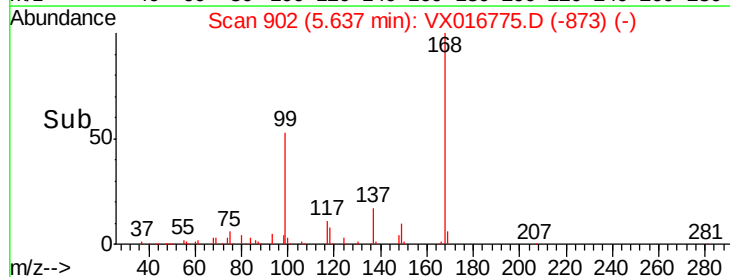
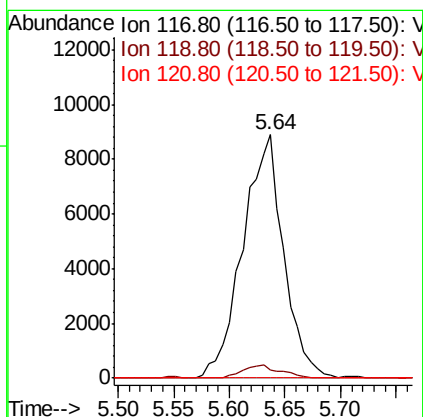
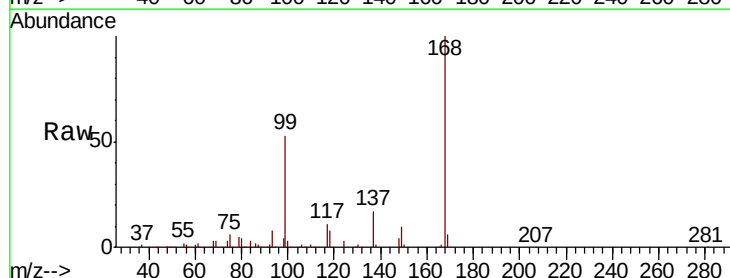
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 STORAGE-BLANK-SAMPLE-MANA

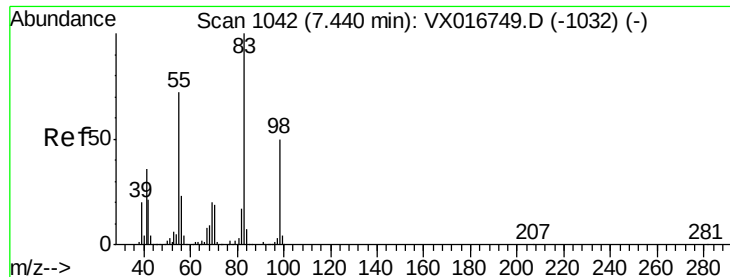
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.4	55.2#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.949 ug/l
 RT: 5.64 min Scan# 902
 Delta R.T. -0.12 min
 Lab File: VX016775.D
 Acq: 16 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.7	115.1#
121	0.0	24.7	37.1#

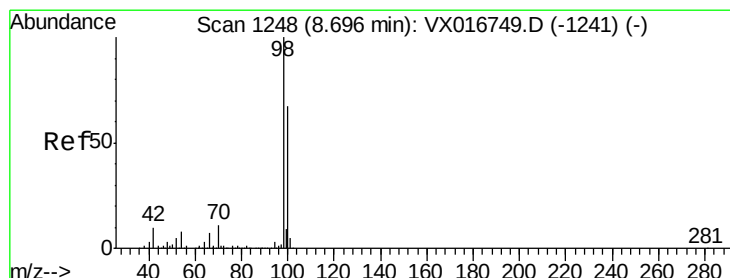
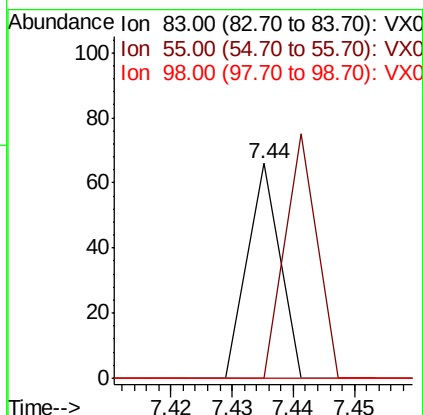
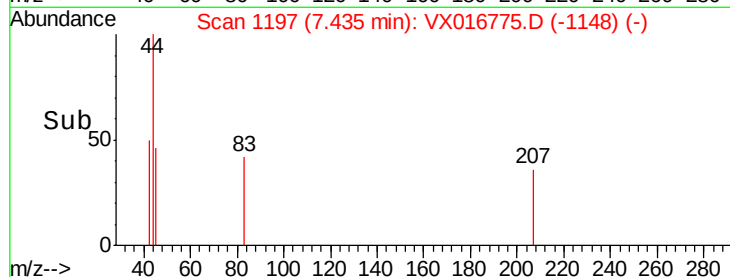
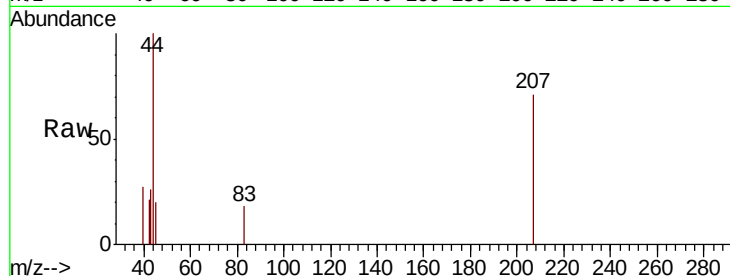




#39
Methylvlcyclohexane
Concen: 0.959 ug/l
RT: 7.44 min Scan# 1197
Delta R.T. -0.00 min
Lab File: VX016775.D
Acq: 16 Jun 2020 13:36

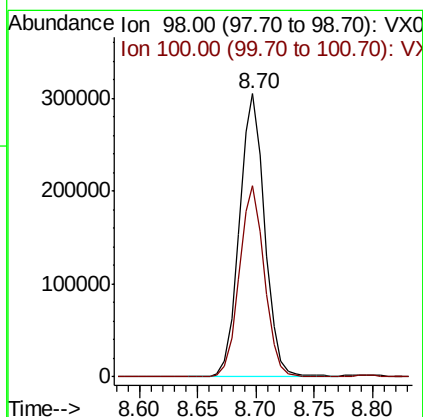
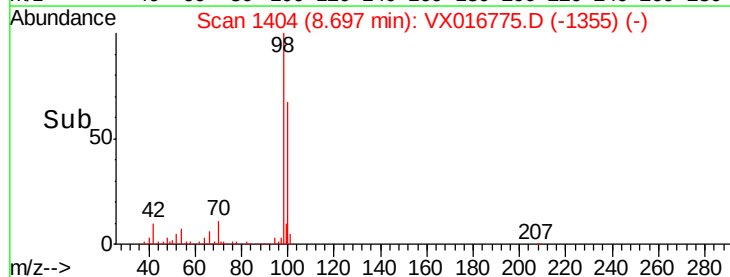
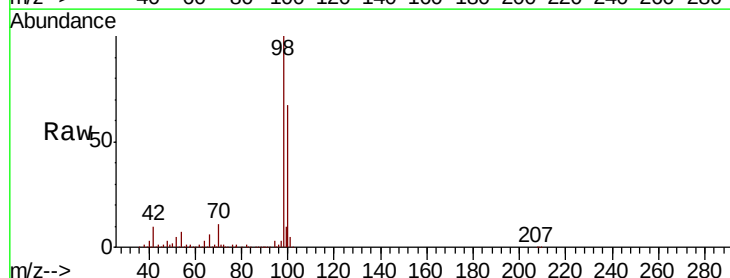
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

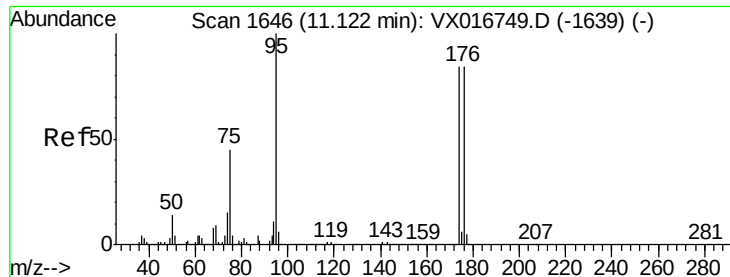
Tot Ion: 83 Resp: 24
Ion Ratio Lower Upper
83 100
55 0.0 57.3 85.9#
98 0.0 40.3 60.5#



#50
Toluene-d8
Concen: 53.461 ug/l
RT: 8.70 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VX016775.D
Acq: 16 Jun 2020 13:36

Tgt Ion: 98 Resp: 462376
Ion Ratio Lower Upper
98 100
100 67.0 53.9 80.9





#62

4-Bromofluorobenzene

Concen: 56.845 ug/l

RT: 11.12 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

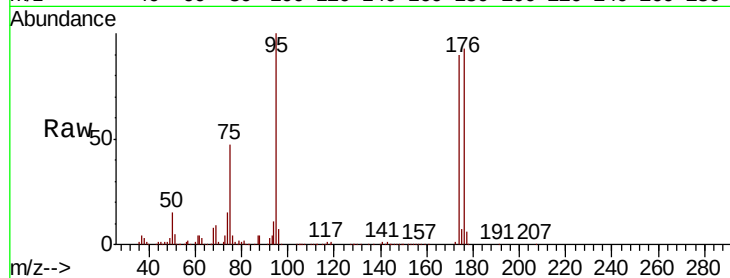
Tot Ion: 95 Resp: 188054

Ion Ratio Lower Upper

95 100

174 86.8 0.0 171.0

176 87.5 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016775.D (-1753) (-)

Ion 173.80 (173.50 to 174.50): VX016775.D (-1753) (-)

Ion 175.80 (175.50 to 176.50): VX016775.D (-1753) (-)

11.12

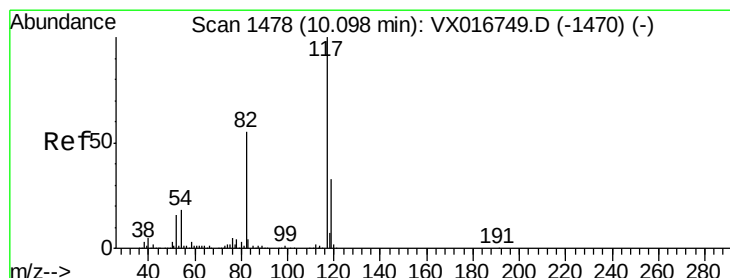
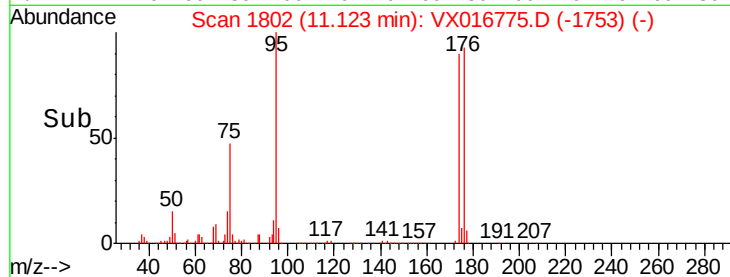
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

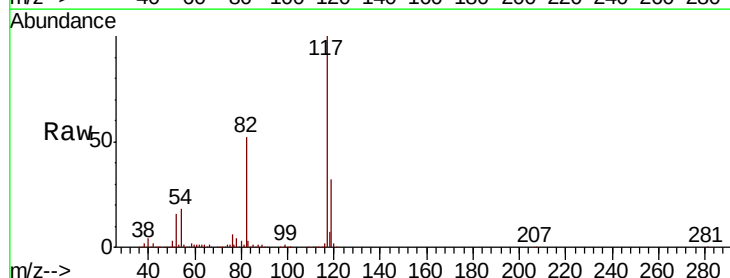
Tgt Ion: 117 Resp: 388001

Ion Ratio Lower Upper

117 100

82 51.7 43.8 65.6

119 32.2 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VX016775.D (-1585) (-)

Ion 82.00 (81.70 to 82.70): VX016775.D (-1585) (-)

Ion 118.90 (118.60 to 119.60): VX016775.D (-1585) (-)

10.10

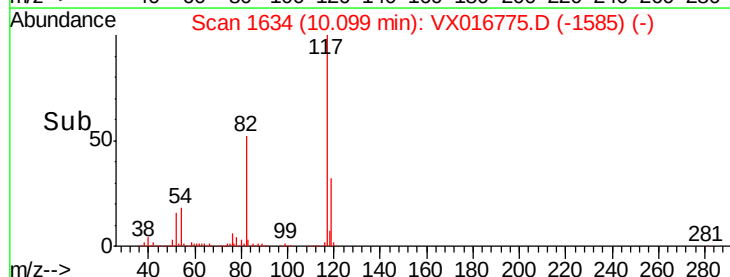
300000

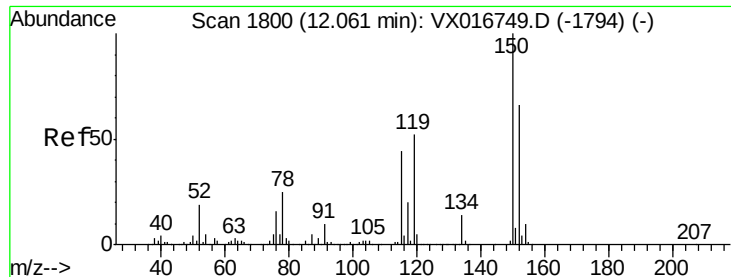
200000

100000

0

Time-->



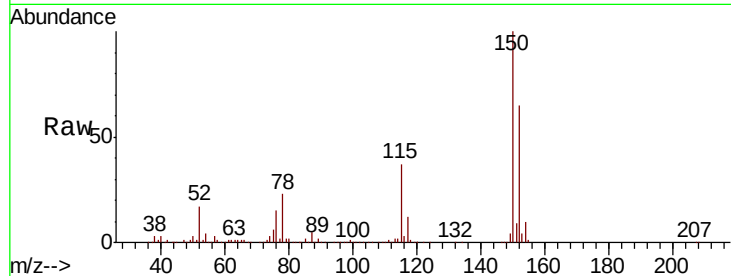


#72

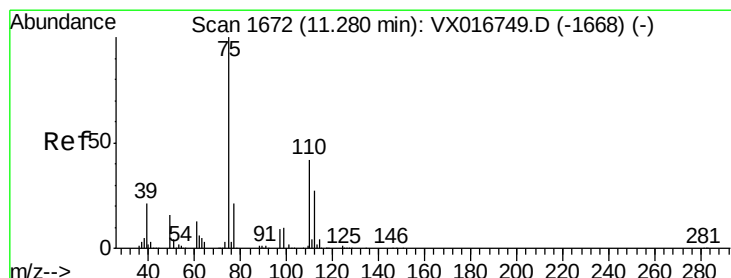
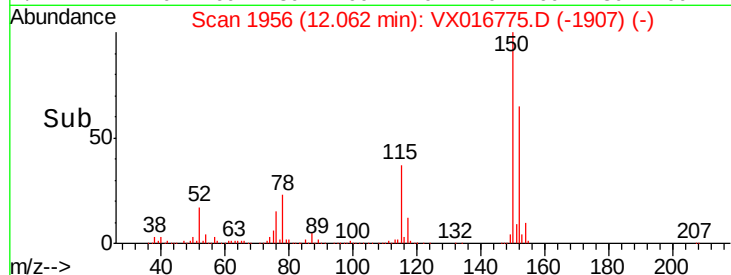
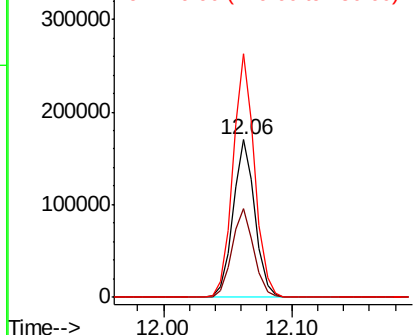
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VX016775.D
Acq: 16 Jun 2020 13:36

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:152 Resp: 199905
Ion Ratio Lower Upper
152 100
115 56.8 40.3 120.8
150 153.4 0.0 337.4



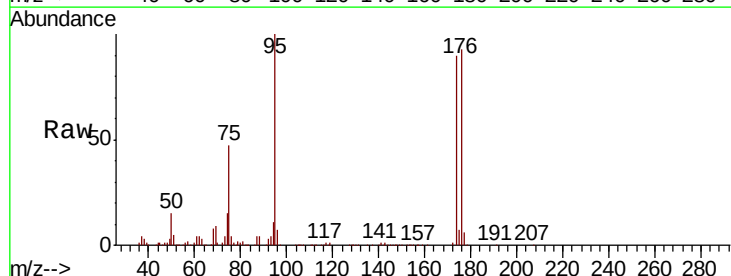
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



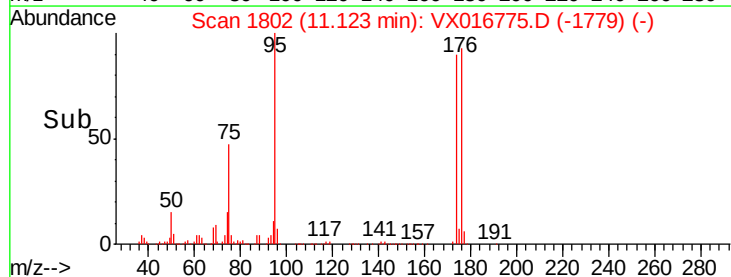
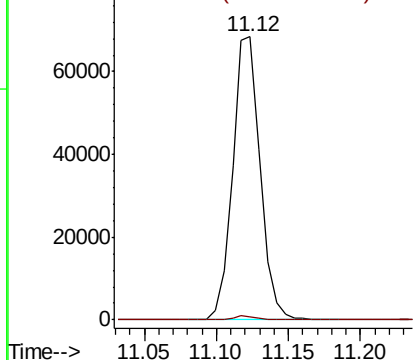
#76

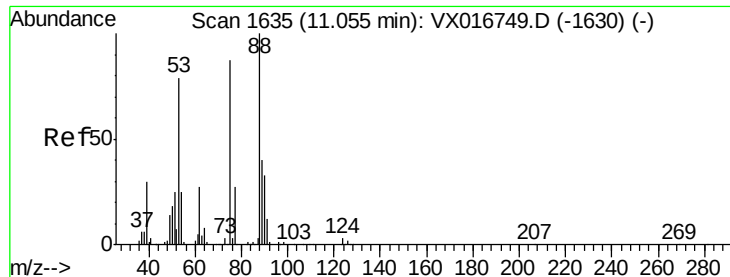
1,2,3-Trichloropropane
Concen: 21.689 ug/l
RT: 11.12 min Scan# 1802
Delta R.T. -0.16 min
Lab File: VX016775.D
Acq: 16 Jun 2020 13:36

Tgt Ion: 75 Resp: 91178
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



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: 54.601 ug/l

RT: 11.12 min Scan# 1802

Delta R.T. 0.07 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

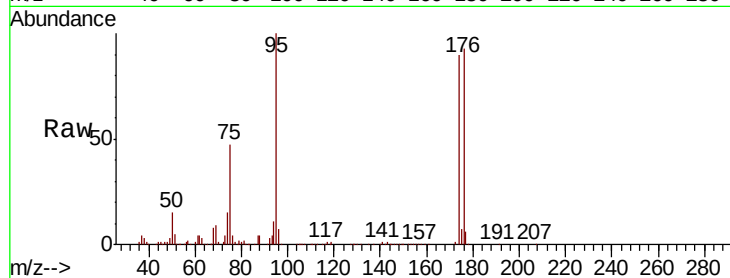
Tot Ion: 75 Resp: 91178

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

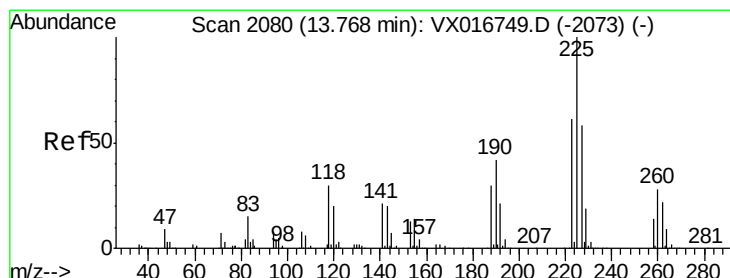
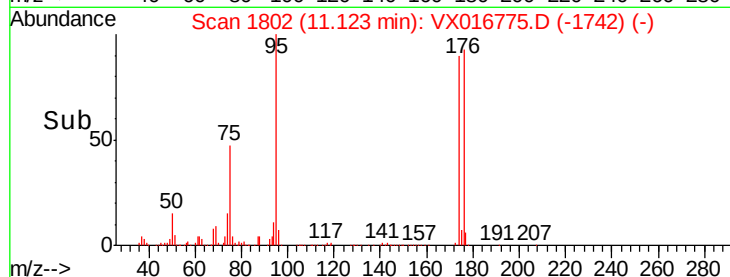
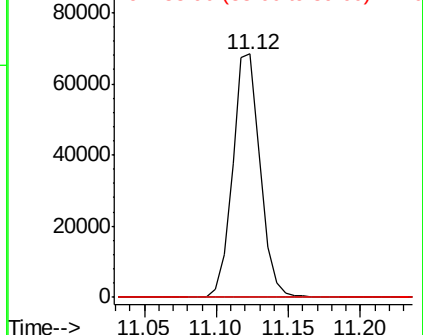
89 0.0 39.1 58.7#



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



#94

Hexachlorobutadiene

Concen: 0.532 ug/l

RT: 13.78 min Scan# 2237

Delta R.T. 0.01 min

Lab File: VX016775.D

Acq: 16 Jun 2020 13:36

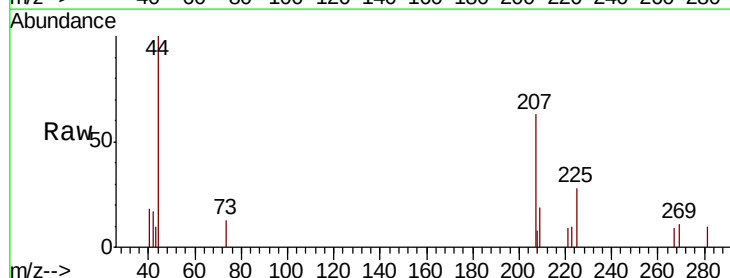
Tgt Ion: 225 Resp: 231

Ion Ratio Lower Upper

225 100

223 40.3 31.1 93.5

227 21.6 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

