

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016013.D
 Acq On : 01 May 2020 15:54
 Operator : JC/SP
 Sample : L2470-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 02 07:00:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	288444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	464728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206303	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	180776	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	5.47	113	135837	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	8.70	98	562111	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.12	95	215582	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	

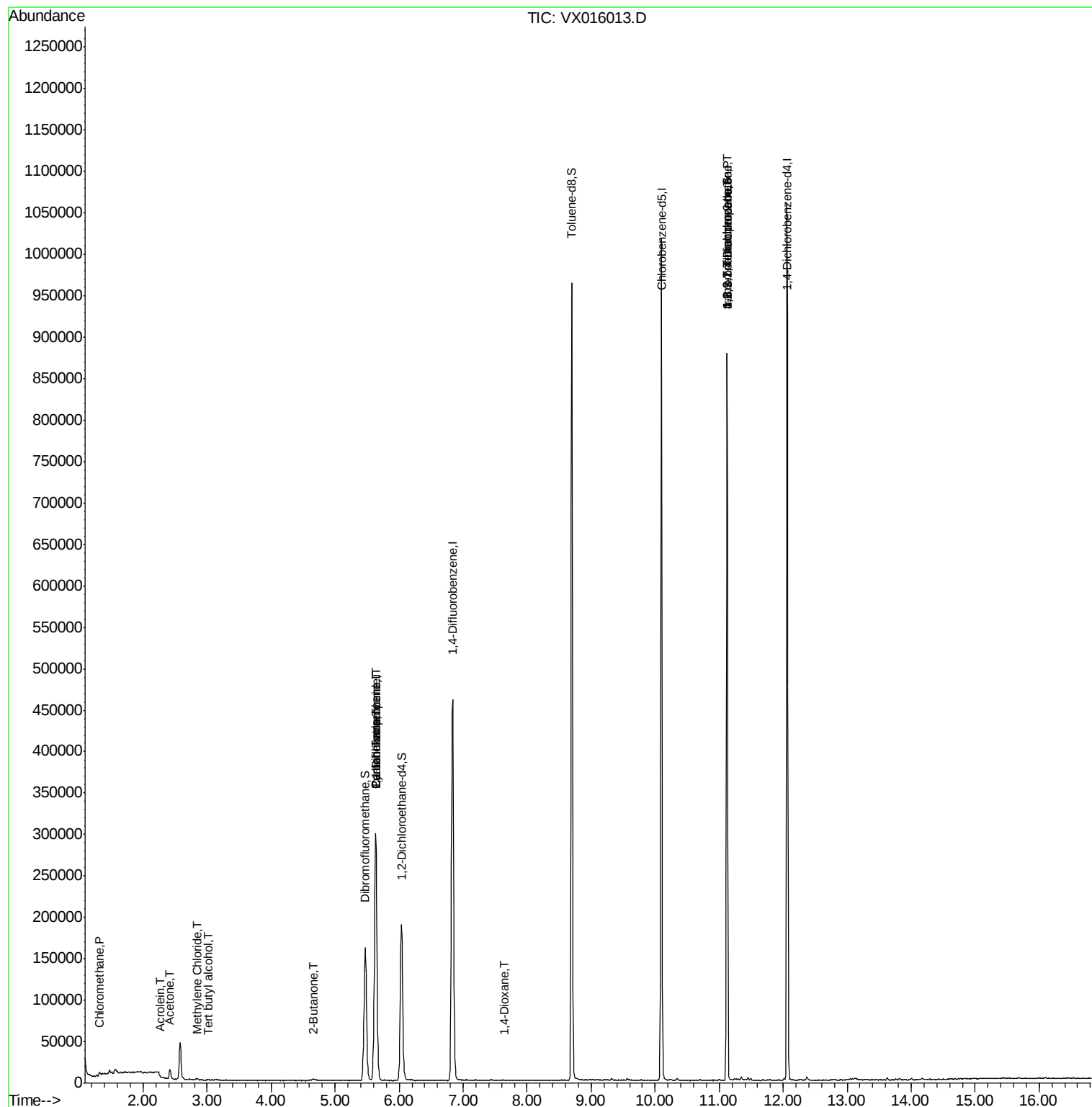
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1739	0.556	ug/l	92
11) Tert butyl alcohol	3.01	59	589	0.643	ug/l #	72
13) Acrolein	2.28	56	105	0.456	ug/l #	14
16) Acetone	2.42	43	12286	7.618	ug/l	91
20) Methylene Chloride	2.84	84	834	0.261	ug/l #	80
25) 2-Butanone	4.65	43	551	0.211	ug/l #	49
31) Cyclohexane	5.64	56	6107	1.259	ug/l #	5
36) 1,1-Dichloropropene	5.63	75	22094	4.992	ug/l #	50
38) Carbon Tetrachloride	5.64	117	28184	6.028	ug/l #	16
49) 1,4-Dioxane	7.65	88	23	0.252	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.12	83	226	3.765	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	113963	26.326	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	113963	62.212	ug/l #	10

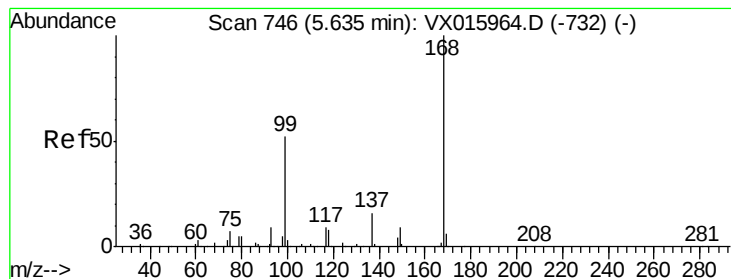
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

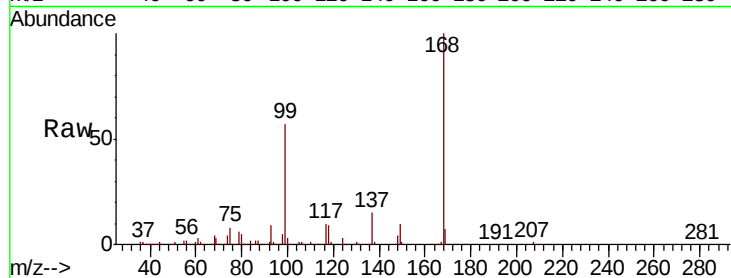
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 288444

Ion Ratio Lower Upper

168 100

99 56.6 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

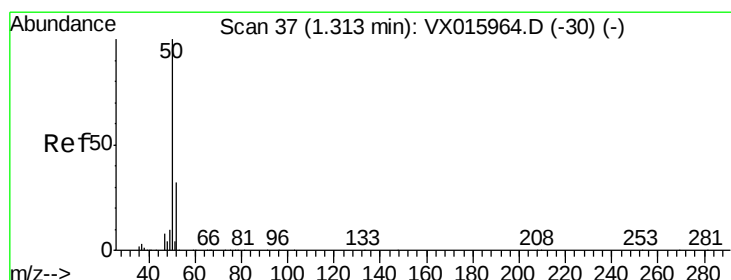
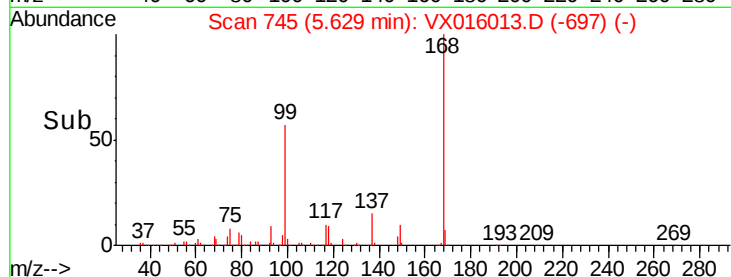
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.556 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016013.D

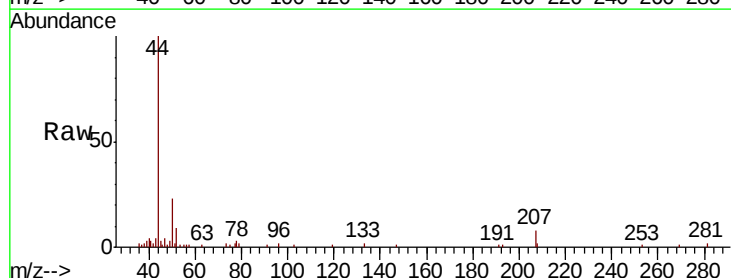
Acq: 01 May 2020 15:54

Tgt Ion: 50 Resp: 1739

Ion Ratio Lower Upper

50 100

52 36.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

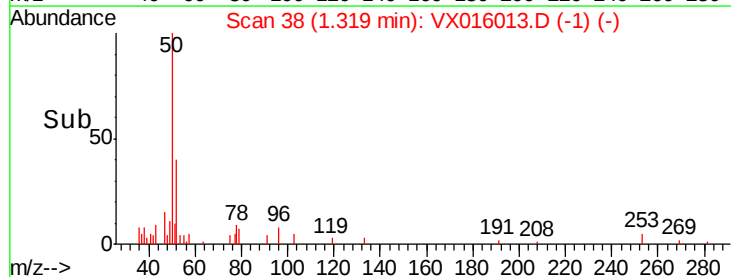
1500

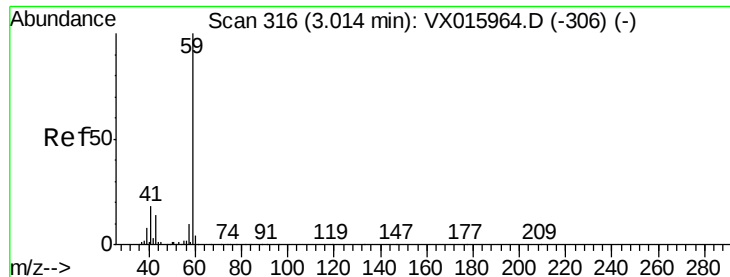
1000

500

0

Time-->

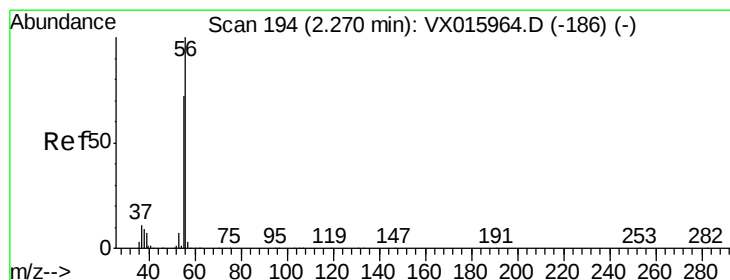
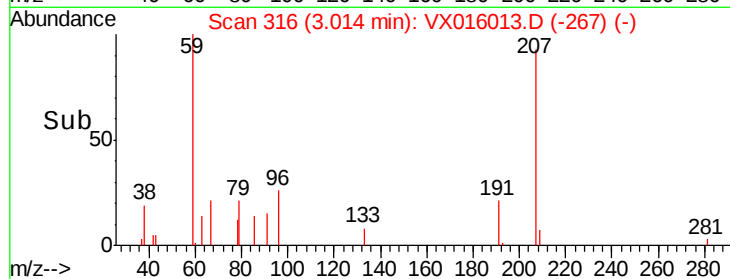
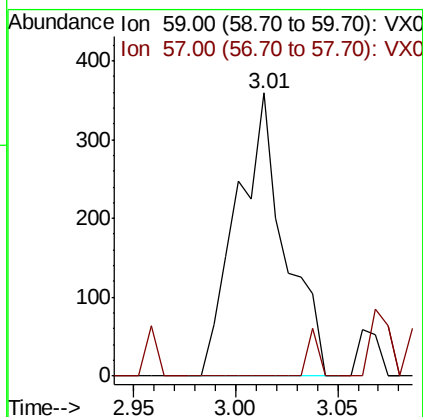
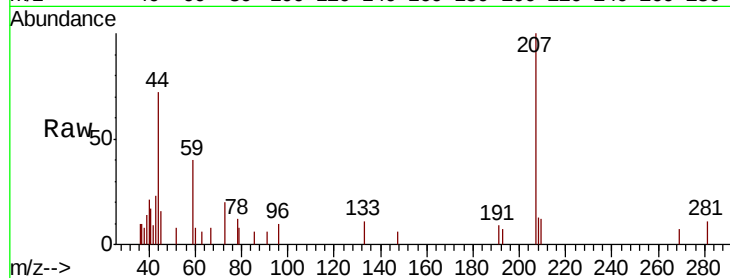




#11
Tert butyl alcohol
Concen: 0.643 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX016013.D
Acq: 01 May 2020 15:54

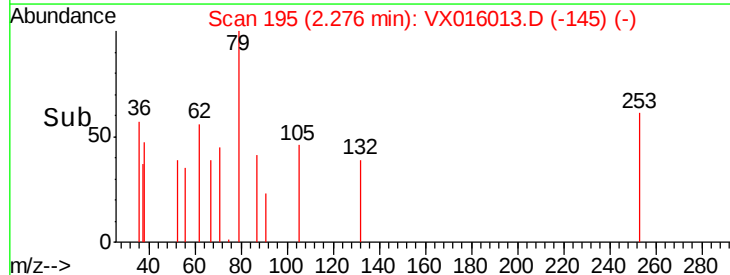
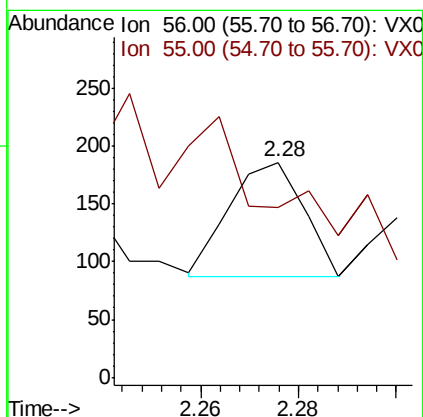
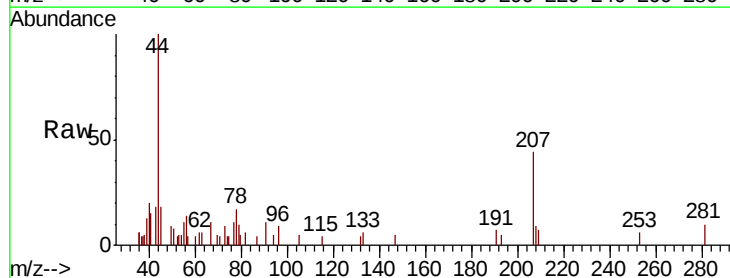
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

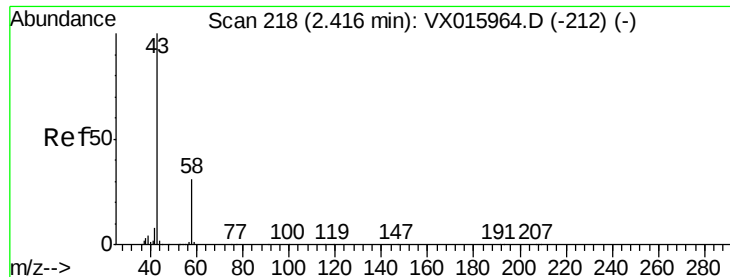
Tot Ion: 59 Resp: 589
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.456 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016013.D
Acq: 01 May 2020 15:54

Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 7.618 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

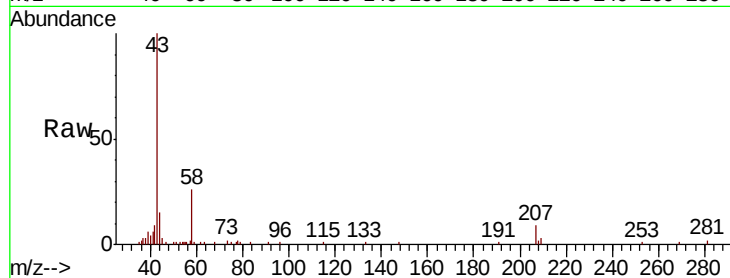
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 12286

Ion Ratio Lower Upper

43 100

58 26.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

8000

6000

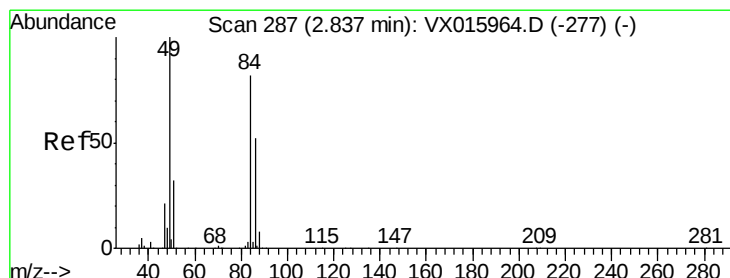
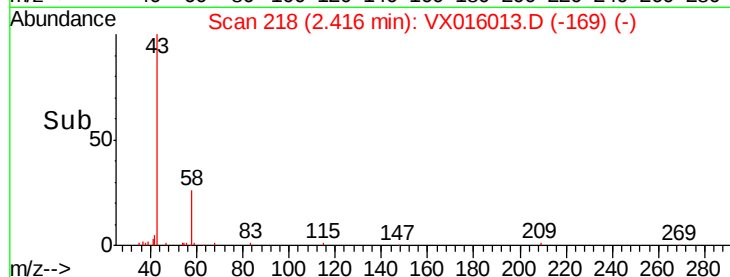
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.261 ug/l

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Tgt Ion: 84 Resp: 834

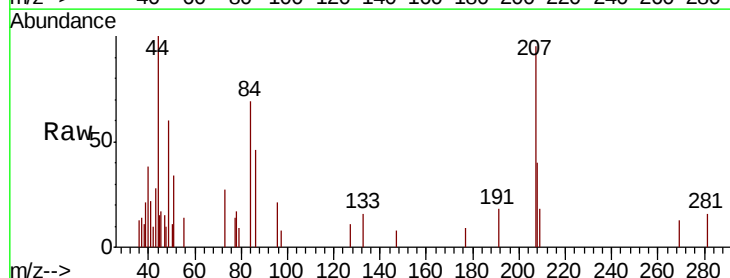
Ion Ratio Lower Upper

84 100

49 87.3 97.9 146.9#

51 34.5 31.2 46.8

86 66.8 50.7 76.1



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

600

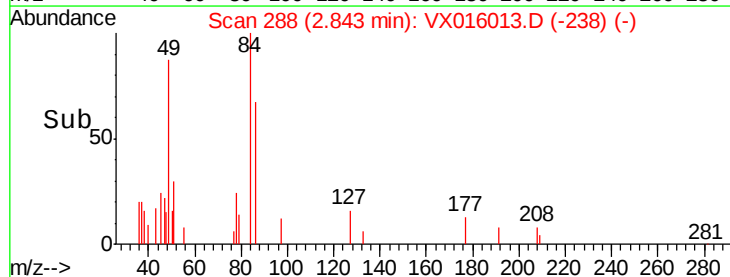
400

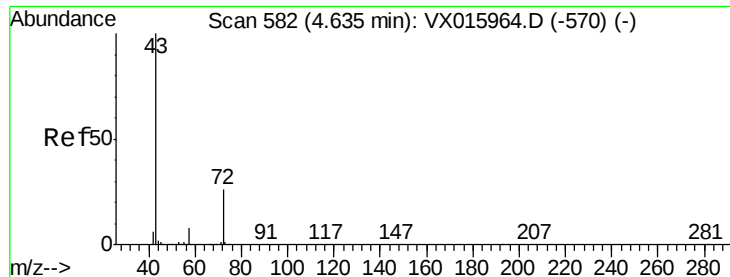
200

0

Time-->

2.80 2.85 2.90





#25

2-Butanone

Concen: 0.211 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

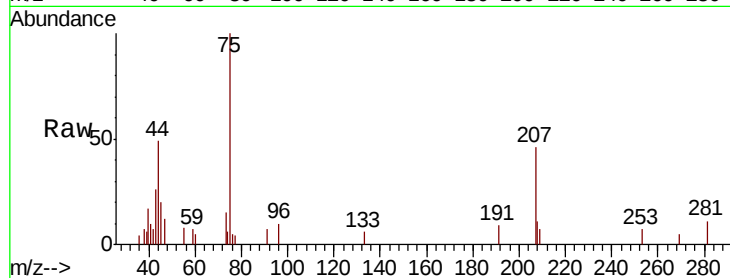
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 551

Ion Ratio Lower Upper

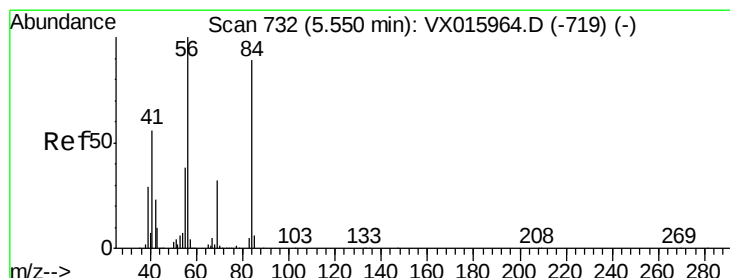
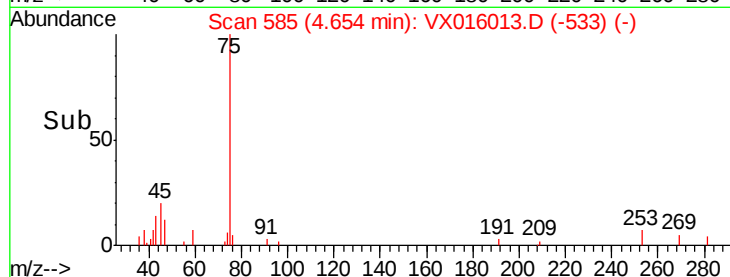
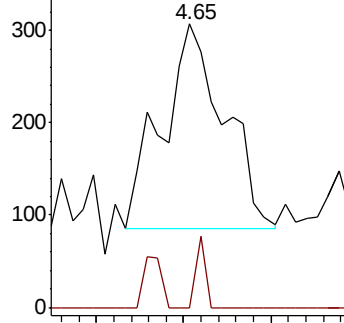
43 100

72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

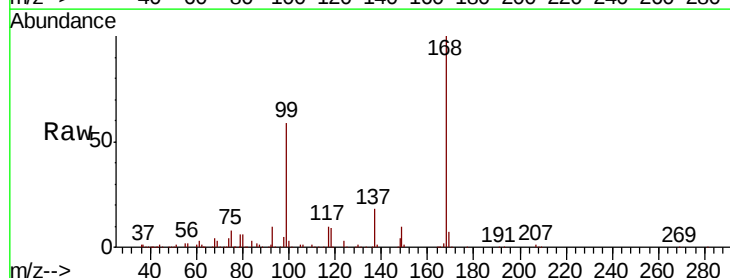
Tgt Ion: 56 Resp: 6107

Ion Ratio Lower Upper

56 100

69 160.4 25.4 38.2#

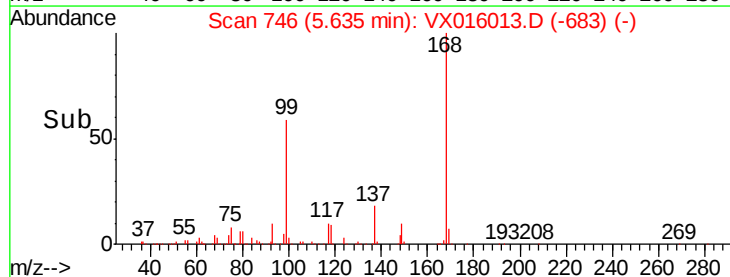
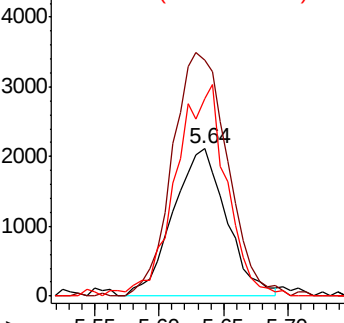
84 131.4 71.0 106.6#

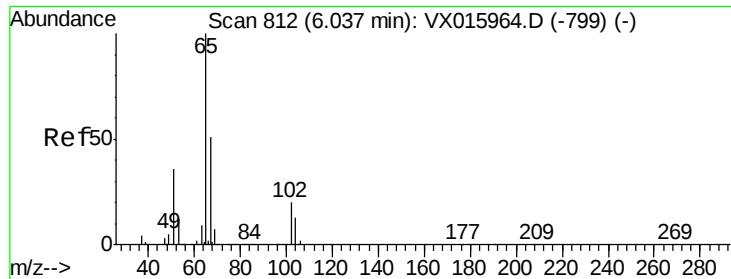


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.934 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

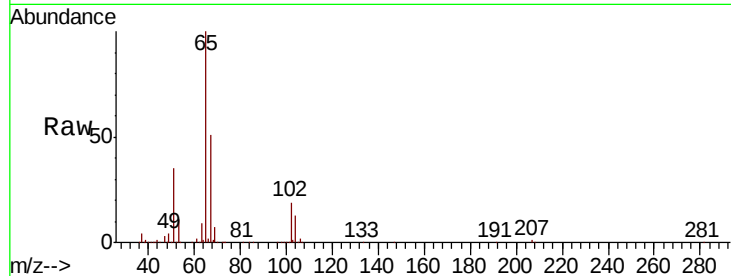
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 180776

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

80000

60000

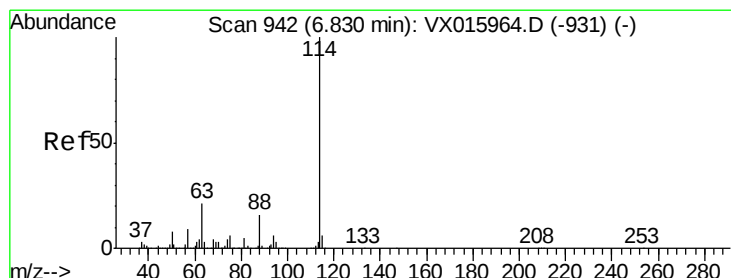
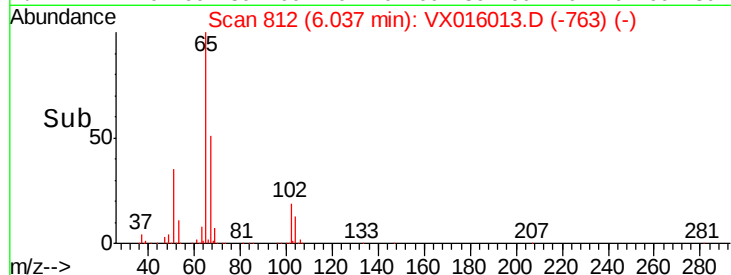
40000

20000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

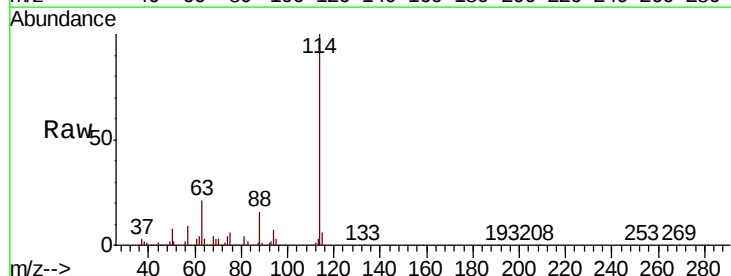
Tgt Ion: 114 Resp: 464728

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.2

88 16.0 0.0 31.8



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

250000

200000

150000

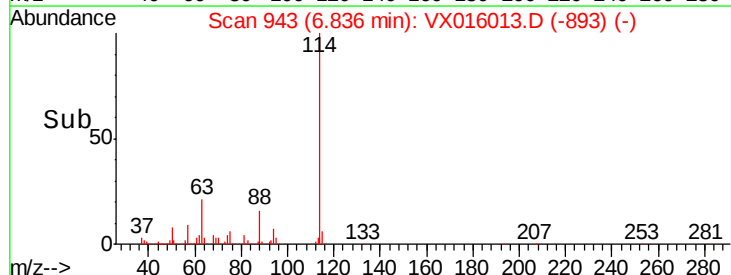
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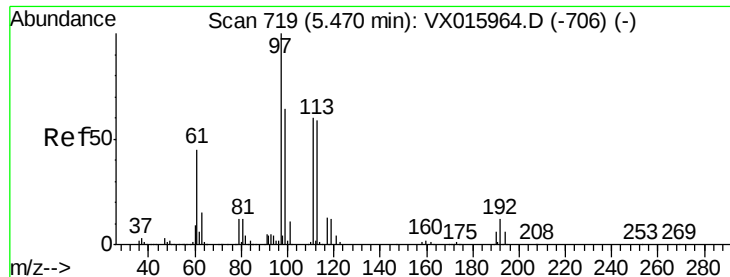
50000

0

Time-->

6.70 6.80 6.90 7.00

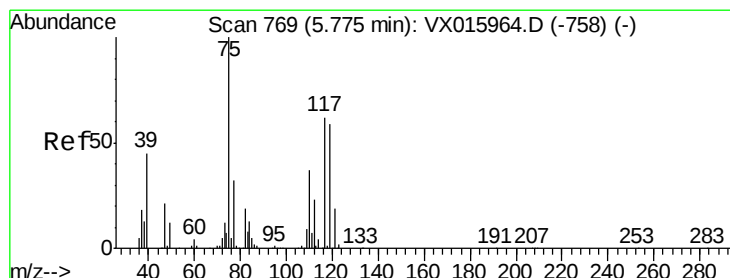
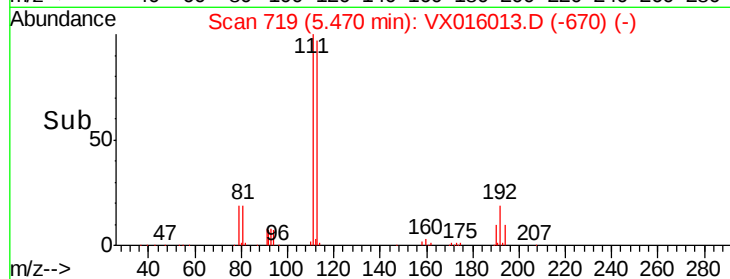
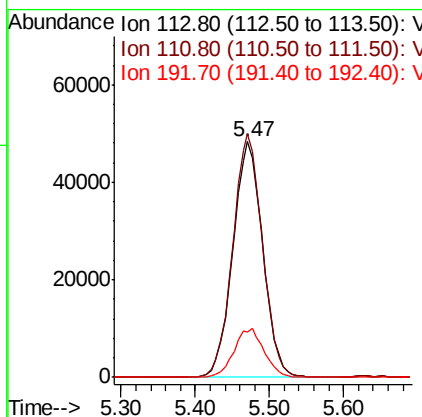
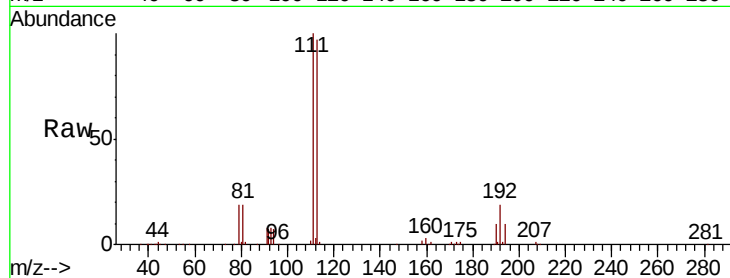




#35
 Dibromofluoromethane
 Concen: 46.857 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX016013.D
 Acq: 01 May 2020 15:54

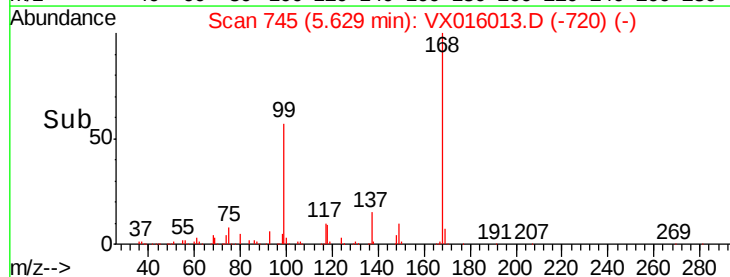
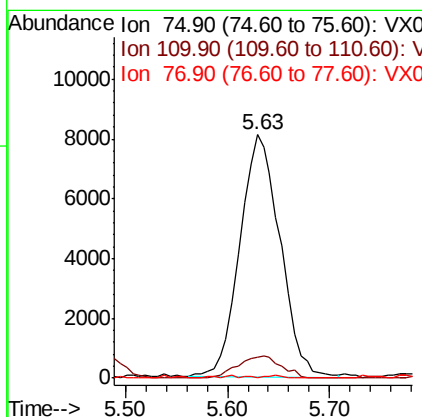
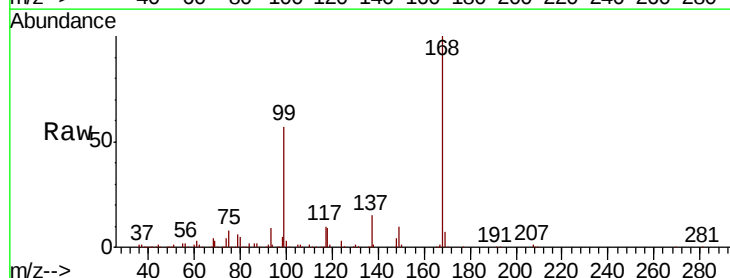
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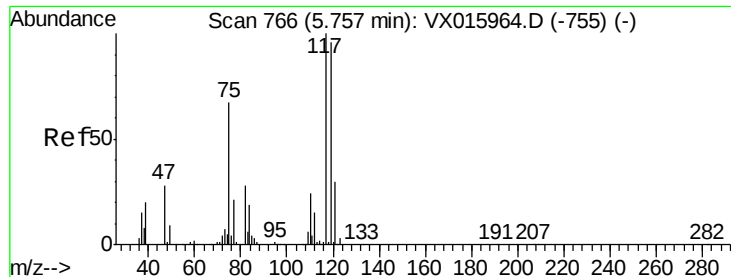
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	20.9	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.992 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.15 min
 Lab File: VX016013.D
 Acq: 01 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.7#
77	0.5	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

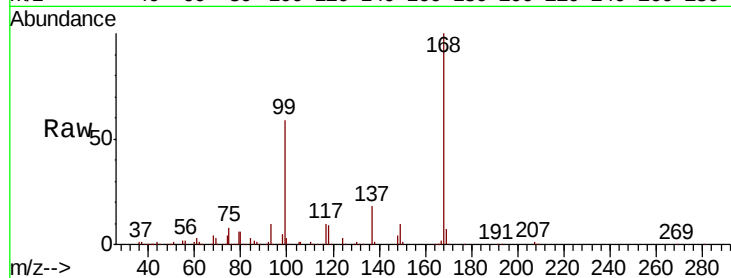
Tot Ion:117 Resp: 28184

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.4#

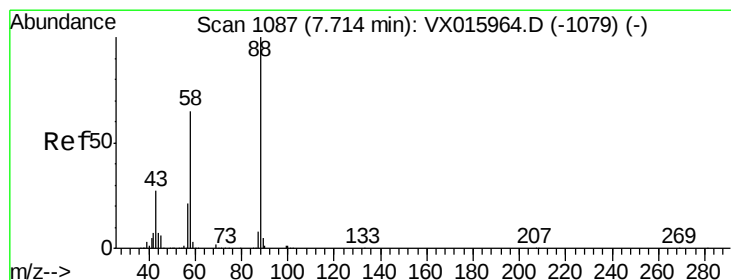
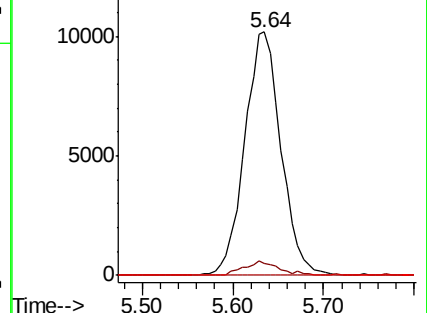
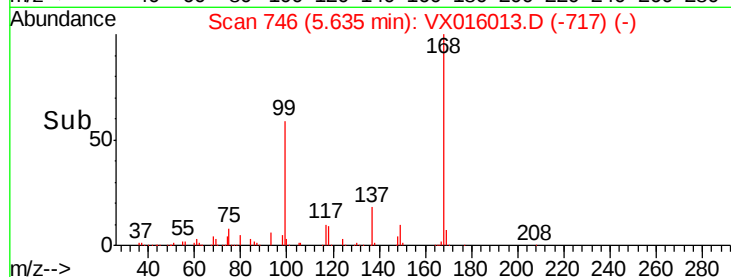
121 0.0 24.2 36.4#



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



#49

1,4-Dioxane

Concen: 0.252 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.07 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

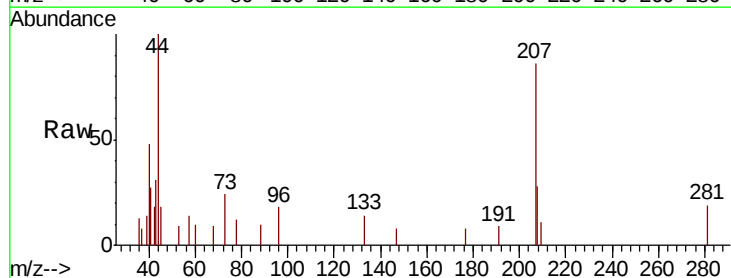
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 491.3 26.6 39.8#

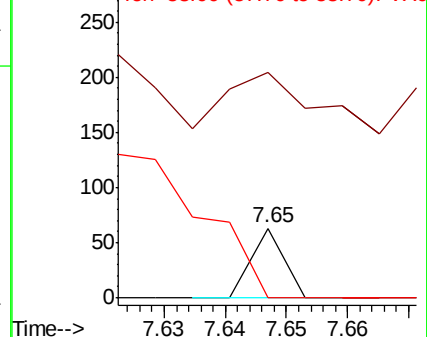
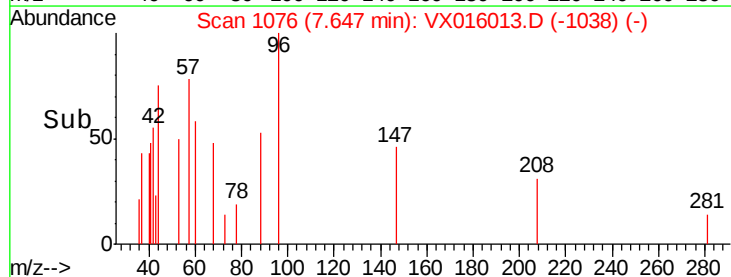
58 0.0 54.8 82.2#

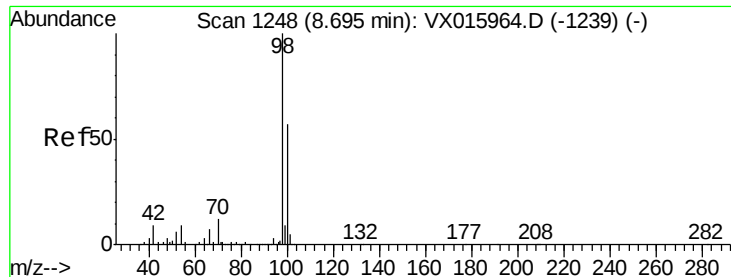


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.860 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

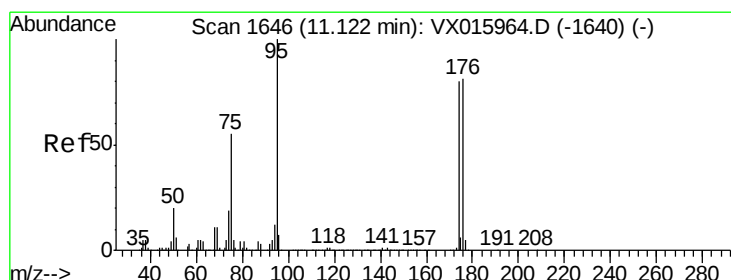
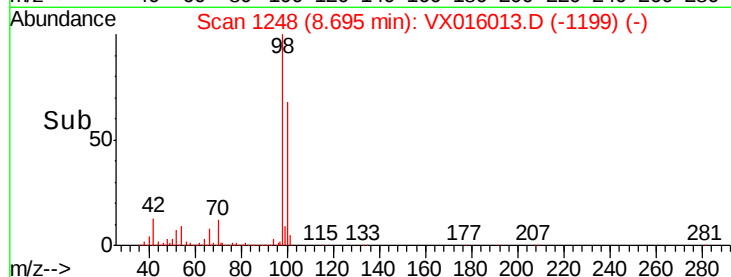
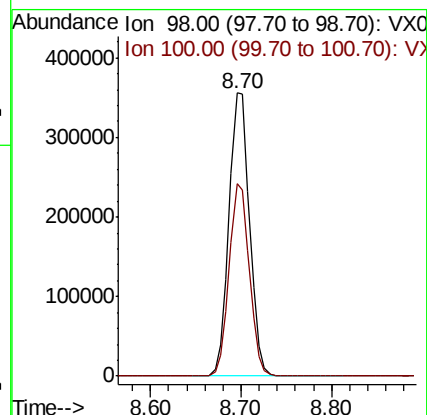
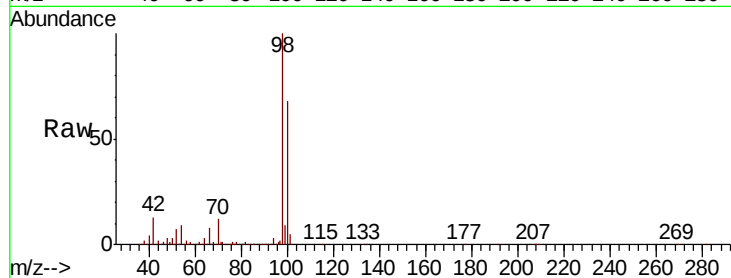
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 562111

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 50.710 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

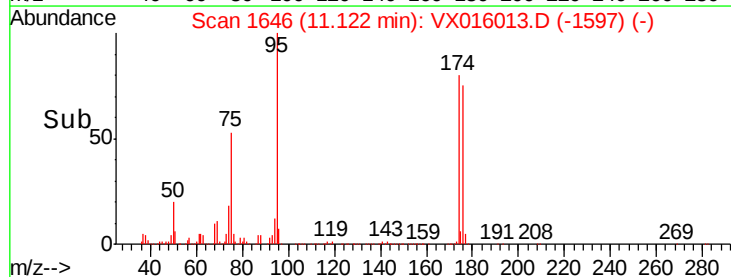
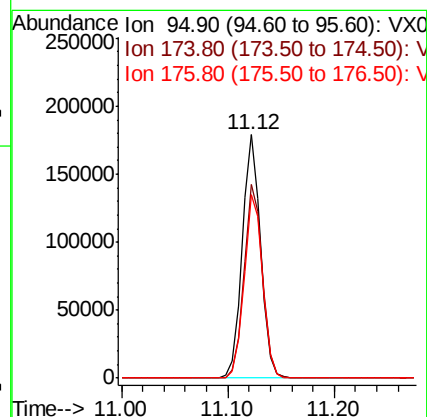
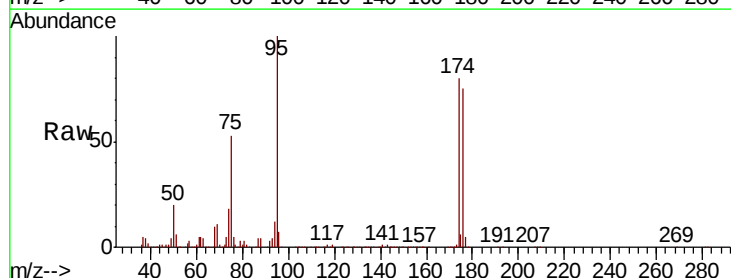
Tgt Ion: 95 Resp: 215582

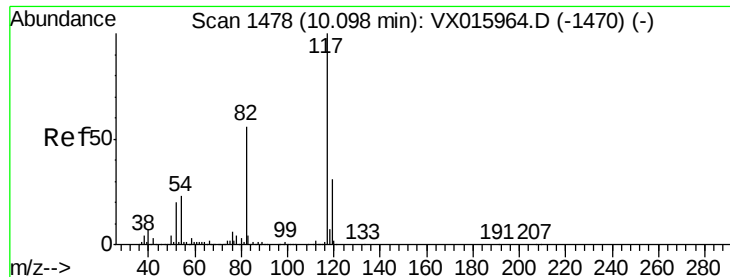
Ion Ratio Lower Upper

95 100

174 79.8 0.0 165.0

176 76.1 0.0 163.2

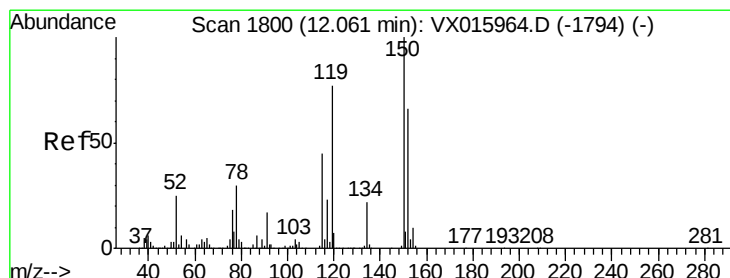
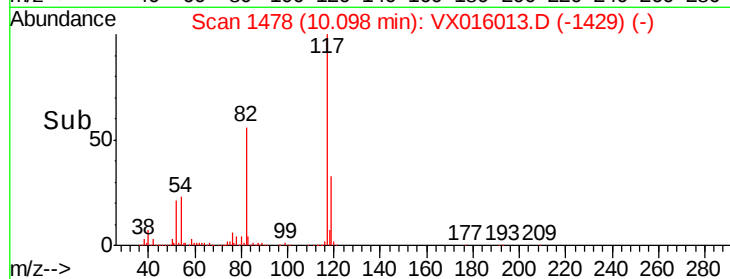
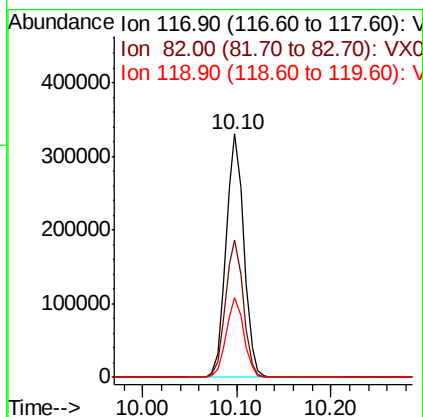
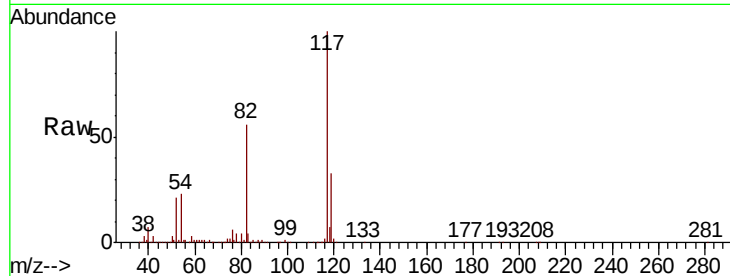




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016013.D
Acq: 01 May 2020 15:54

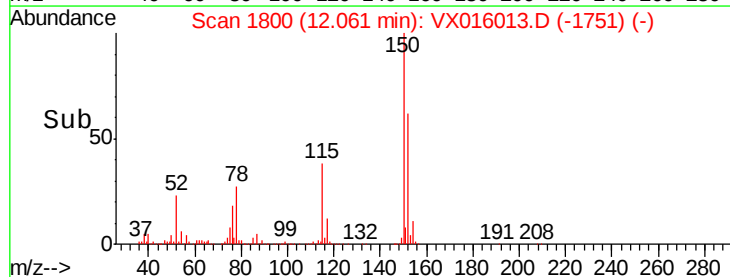
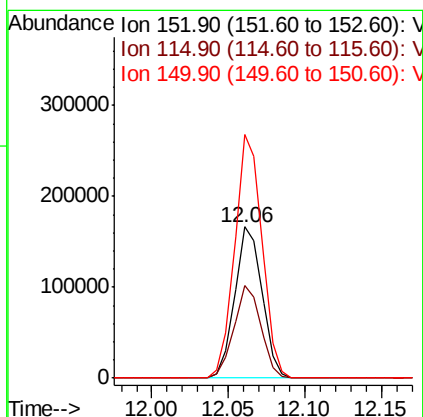
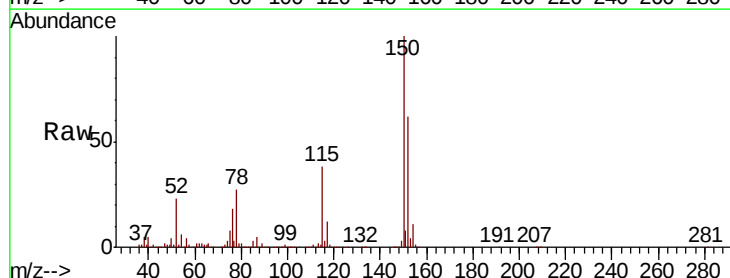
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

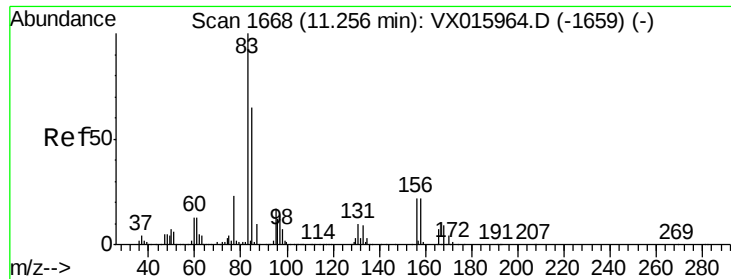
Tot Ion:117 Resp: 434400
Ion Ratio Lower Upper
117 100
82 56.2 44.5 66.7
119 32.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016013.D
Acq: 01 May 2020 15:54

Tgt Ion:152 Resp: 206303
Ion Ratio Lower Upper
152 100
115 60.2 40.9 122.7
150 160.6 0.0 342.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.765 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016013.D

Acq: 01 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

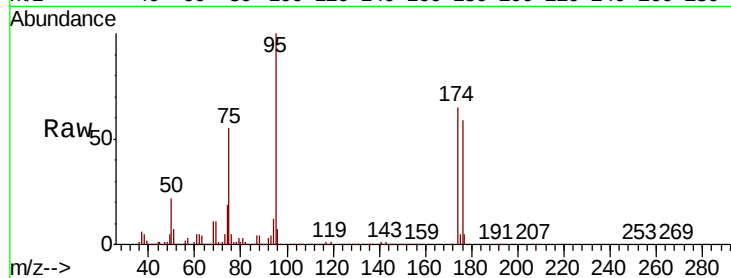
Tot Ion: 83 Resp: 226

Ion Ratio Lower Upper

83 100

131 161.5 5.1 15.4#

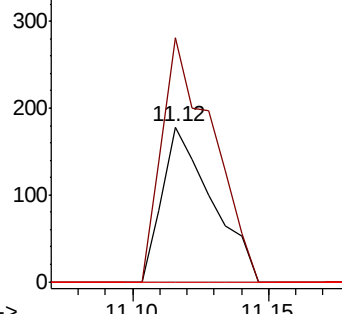
85 0.0 32.2 96.6#



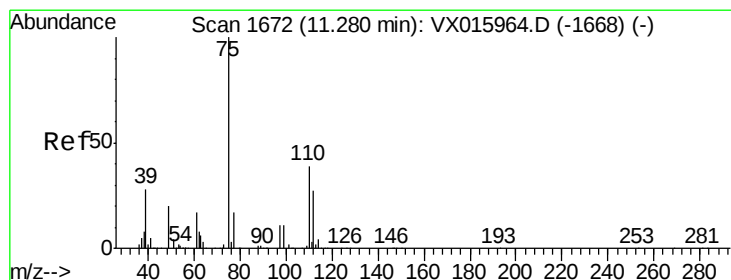
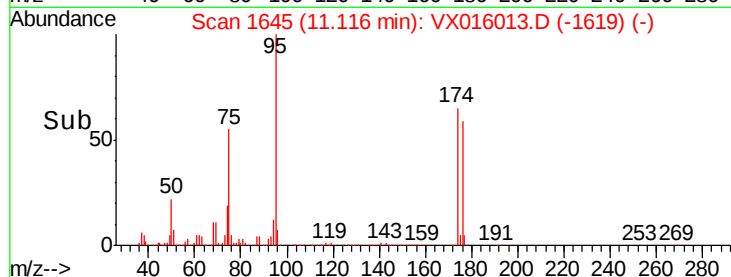
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 26.326 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016013.D

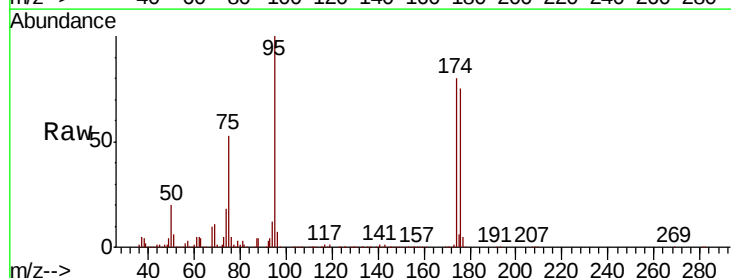
Acq: 01 May 2020 15:54

Tgt Ion: 75 Resp: 113963

Ion Ratio Lower Upper

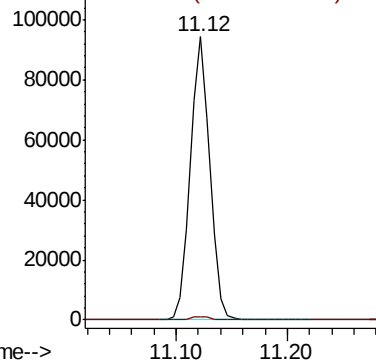
75 100

77 1.4 21.6 65.0#

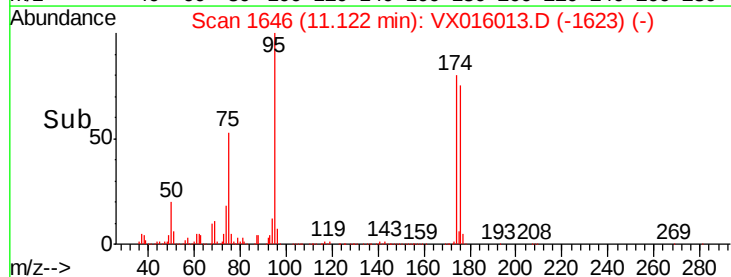


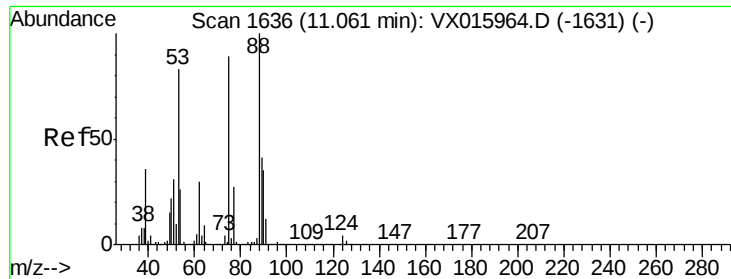
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.212 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016013.D
 Acq: 01 May 2020 15:54

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

Tot Ion: 75 Resp: 113963
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.3 117.5#
 89 0.0 37.2 55.8#

