

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016014.D
 Acq On : 01 May 2020 16:17
 Operator : JC/SP
 Sample : L2469-27
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20200428

Quant Time: May 02 07:00:17 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	5.64	168	274112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	448991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224520	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	175398	48.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.88%	
35) Dibromofluoromethane	5.47	113	132363	47.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.52%	
50) Toluene-d8	8.70	98	543606	51.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.12	95	223018	54.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.60%	

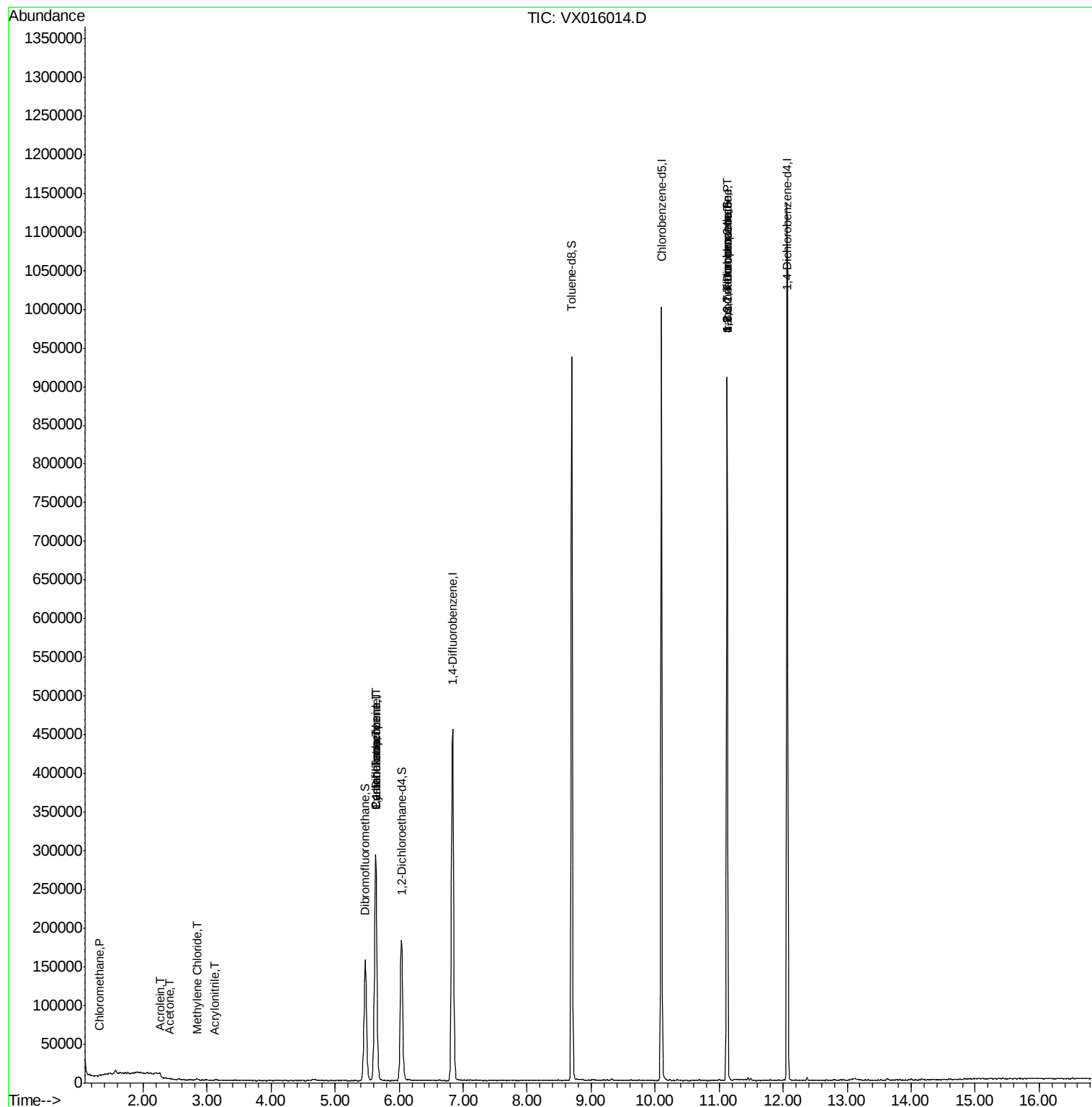
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	646	0.217	ug/l	91
13) Acrolein	2.28	56	195	0.892	ug/l #	14
15) Acrylonitrile	3.12	53	576	0.334	ug/l #	66
16) Acetone	2.42	43	437	0.285	ug/l #	72
20) Methylene Chloride	2.83	84	709	0.234	ug/l #	84
31) Cyclohexane	5.63	56	6018	1.305	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	21747	5.085	ug/l #	51
38) Carbon Tetrachloride	5.64	117	27520	6.093	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	11.12	83	211	3.756	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	117190	24.875	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117190	58.783	ug/l #	10

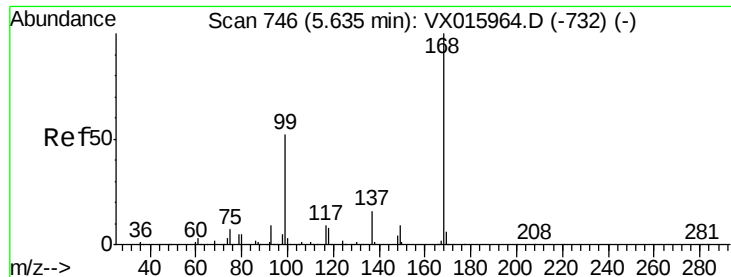
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

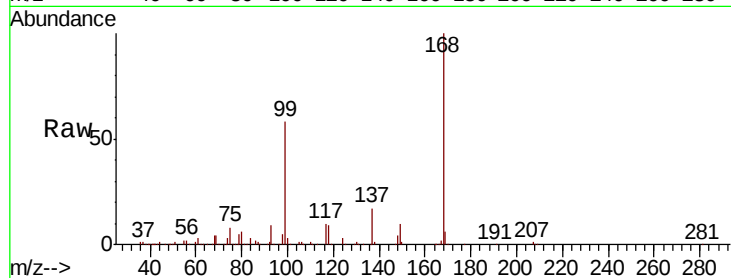
TB-20200428

Tot Ion:168 Resp: 274112

Ion Ratio Lower Upper

168 100

99 57.7 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

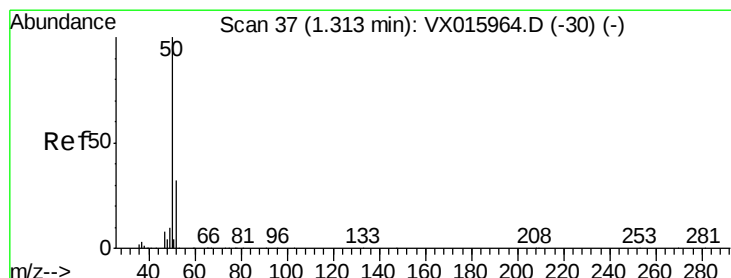
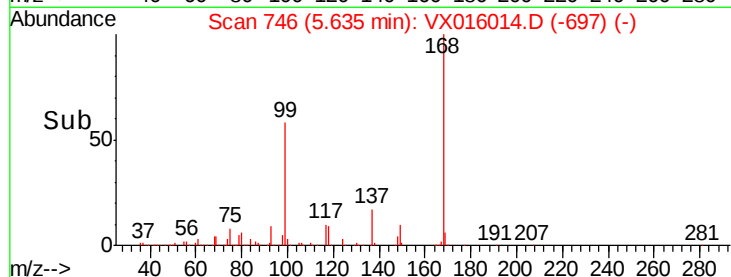
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016014.D

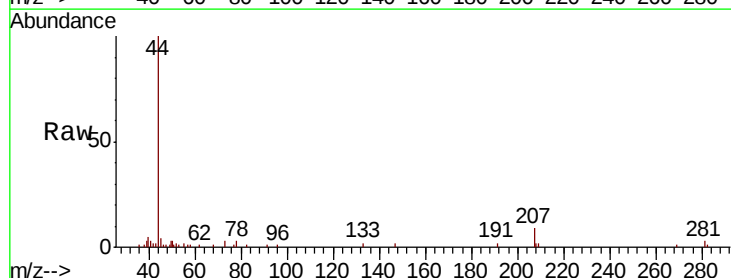
Acq: 01 May 2020 16:17

Tgt Ion: 50 Resp: 646

Ion Ratio Lower Upper

50 100

52 26.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

400

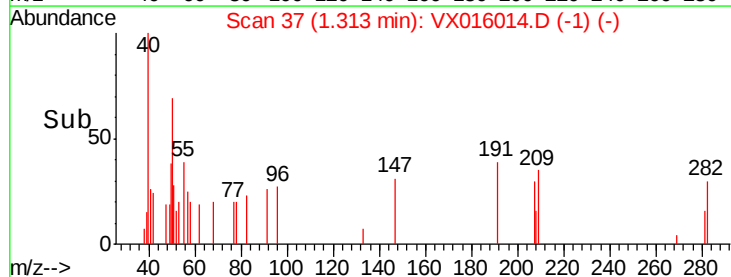
300

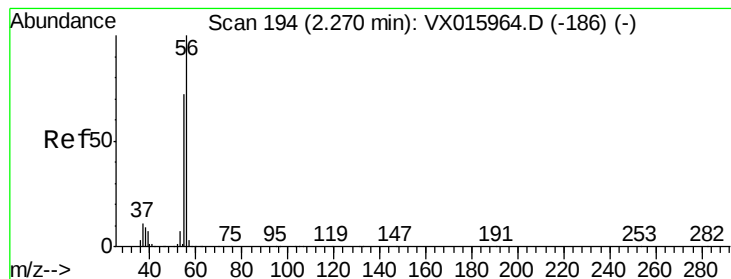
200

100

0

Time-->





#13

Acrolein

Concen: 0.892 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

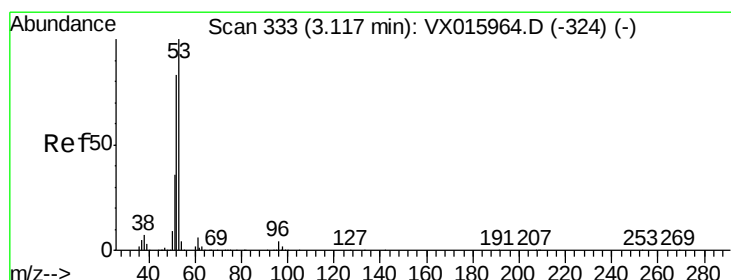
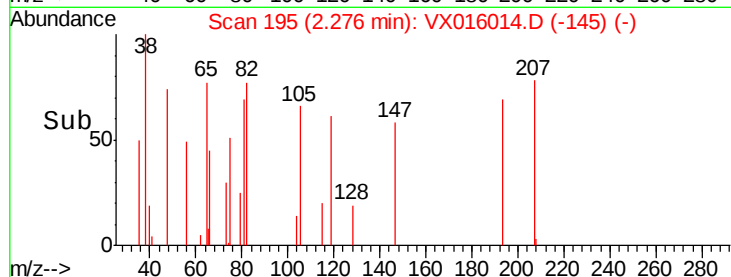
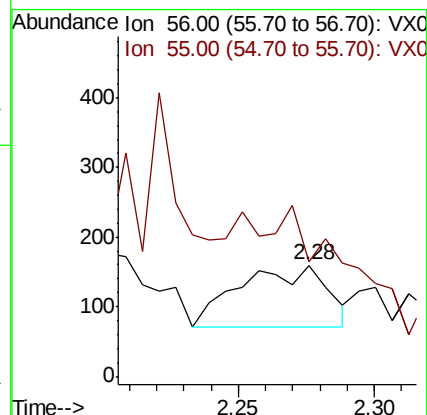
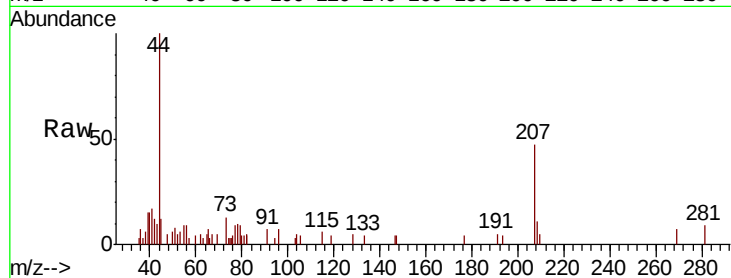
TB-20200428

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#15

Acrylonitrile

Concen: 0.334 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

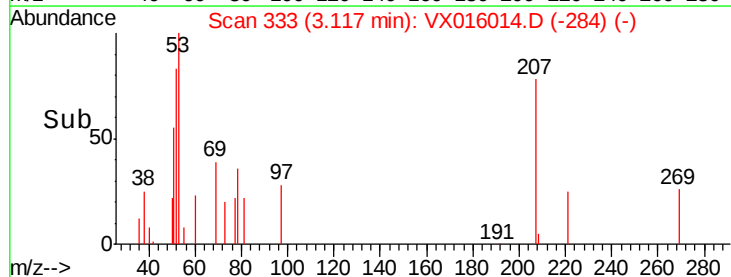
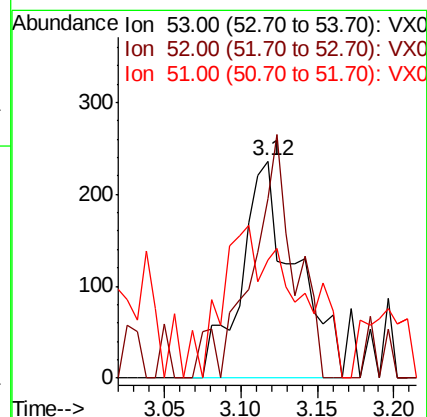
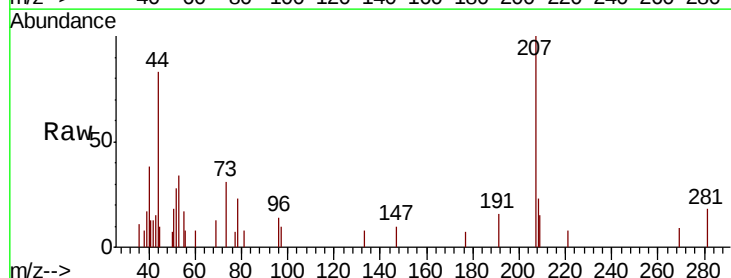
Tgt Ion: 53 Resp: 576

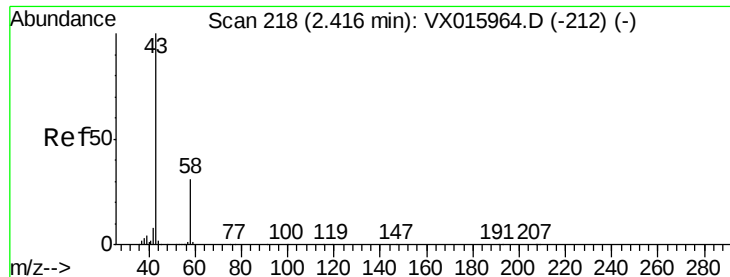
Ion Ratio Lower Upper

53 100

52 83.9 65.5 98.3

51 98.8 28.7 43.1#





#16

Acetone

Concen: 0.285 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

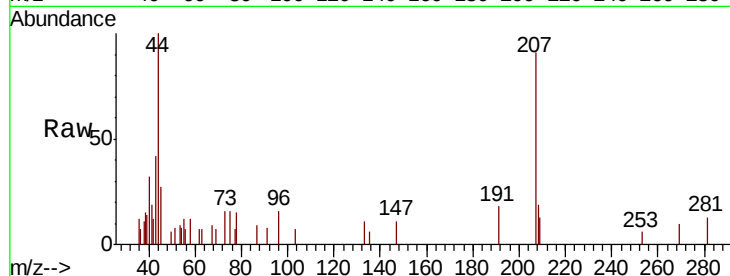
TB-20200428

Tot Ion: 43 Resp: 437

Ion Ratio Lower Upper

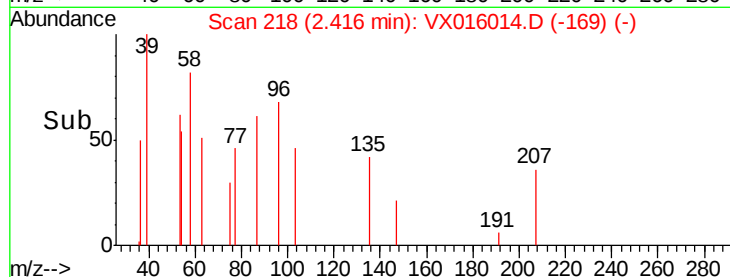
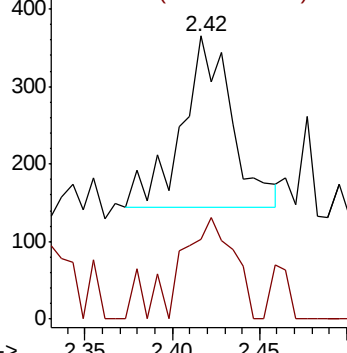
43 100

58 46.6 25.1 37.7#

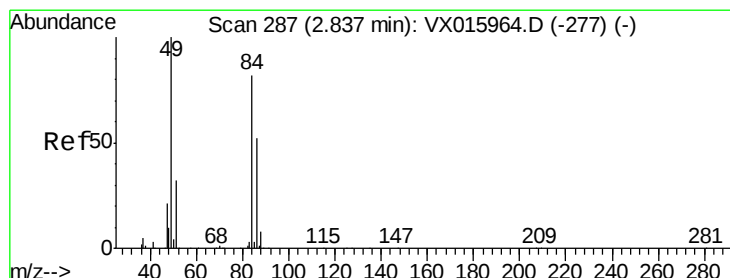


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#20

Methylene Chloride

Concen: 0.234 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Tgt Ion: 84 Resp: 709

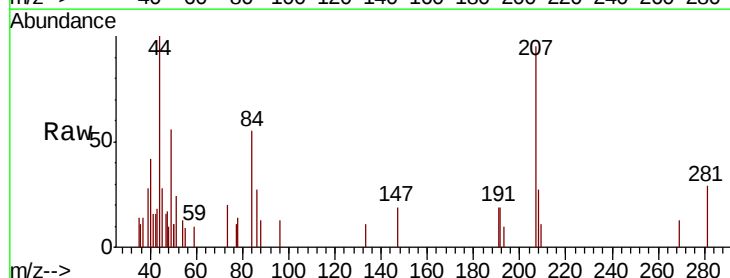
Ion Ratio Lower Upper

84 100

49 101.7 97.9 146.9

51 43.4 31.2 46.8

86 49.6 50.7 76.1#

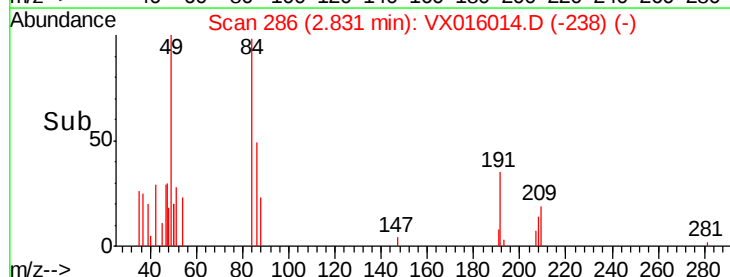
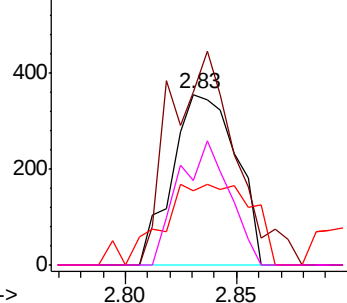


Abundance Ion 83.90 (83.60 to 84.60): VX0

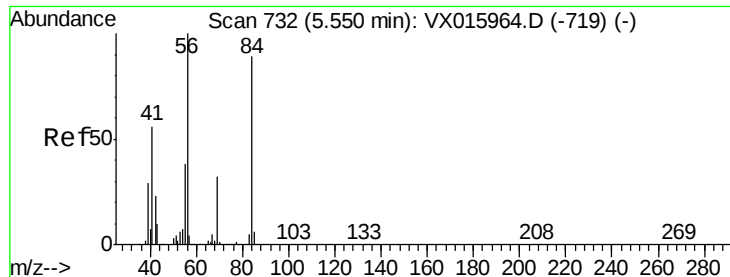
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



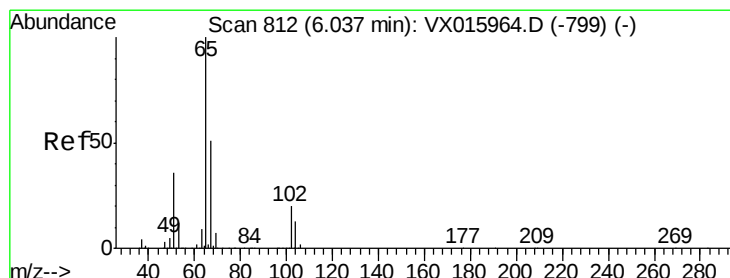
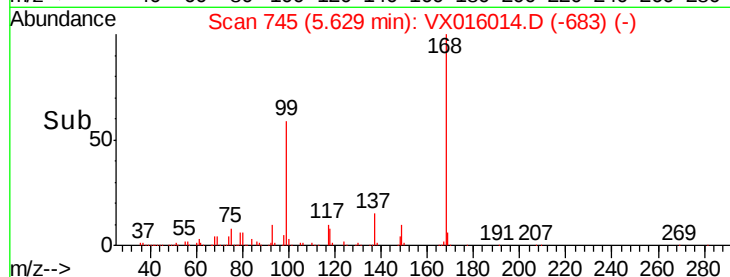
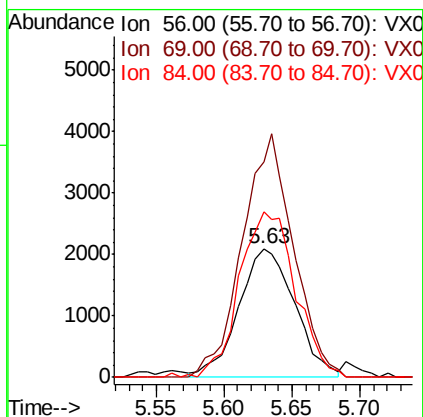
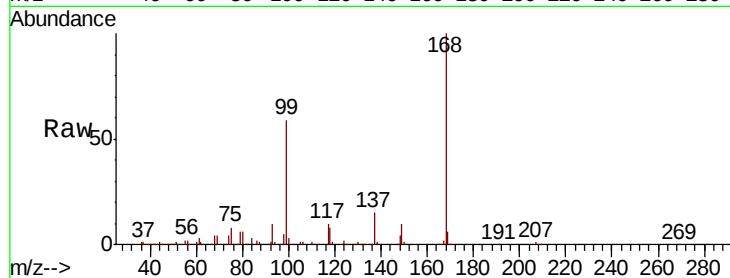
Time-->



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016014.D
Acq: 01 May 2020 16:17

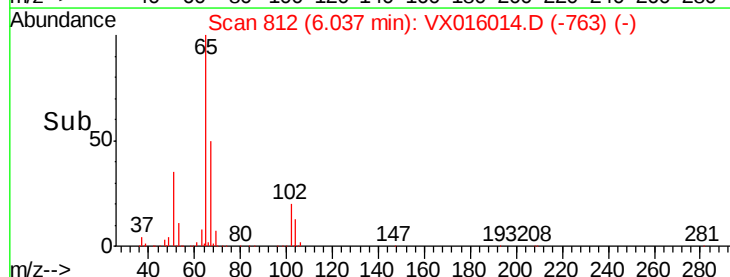
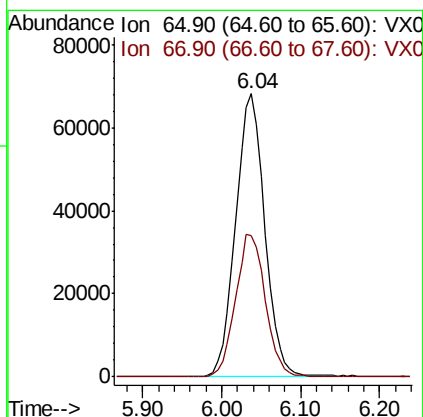
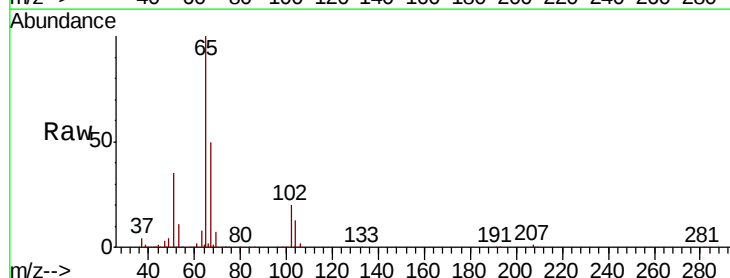
Instrument :
MSVOA_X
ClientSampleId :
TB-20200428

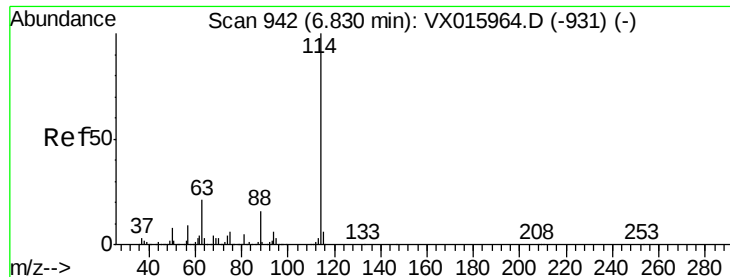
Tot Ion: 56 Resp: 6018
Ion Ratio Lower Upper
56 100
69 172.9 25.4 38.2#
84 130.3 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 48.940 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX016014.D
Acq: 01 May 2020 16:17

Tgt Ion: 65 Resp: 175398
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

TB-20200428

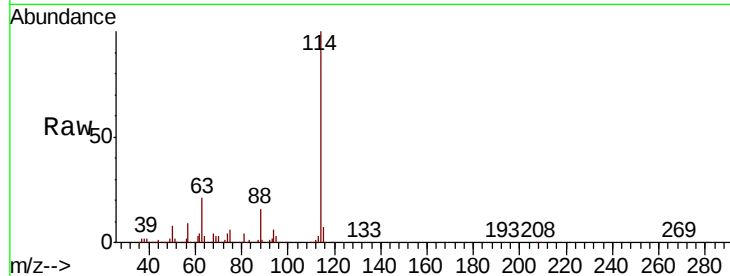
Tot Ion:114 Resp: 448991

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

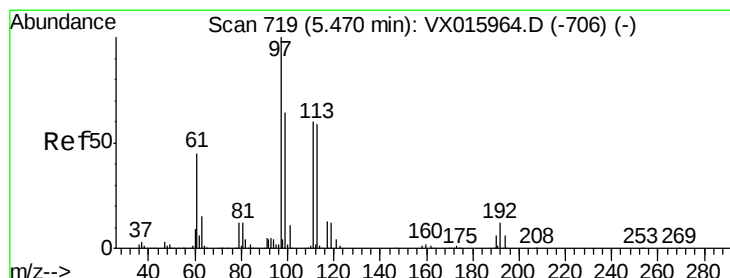
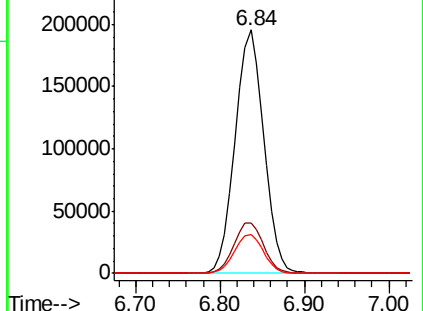
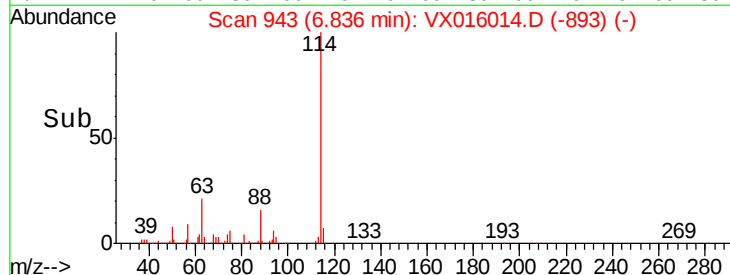
88 15.8 0.0 31.8



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



#35

Dibromofluoromethane

Concen: 47.259 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

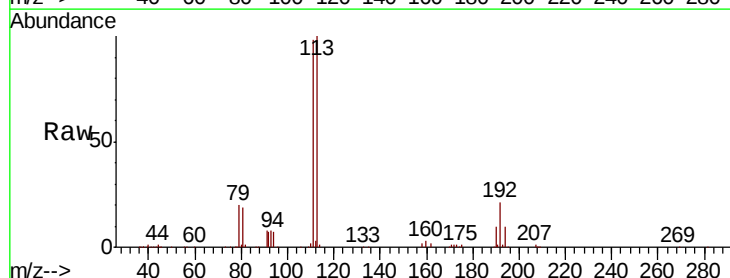
Tgt Ion:113 Resp: 132363

Ion Ratio Lower Upper

113 100

111 100.9 81.8 122.8

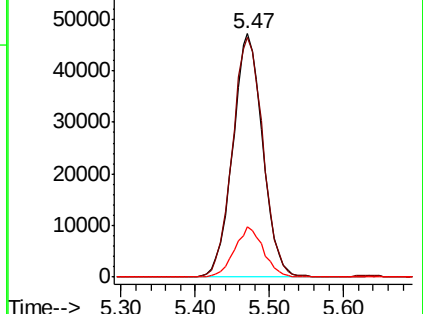
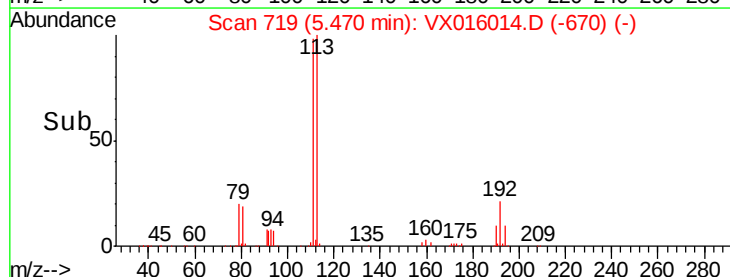
192 20.0 16.8 25.2

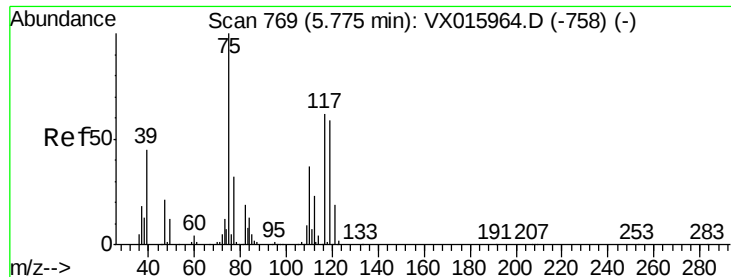


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

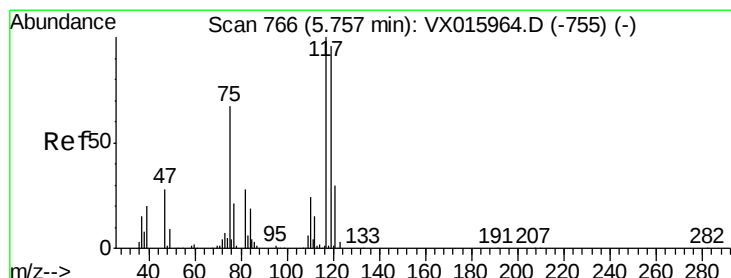
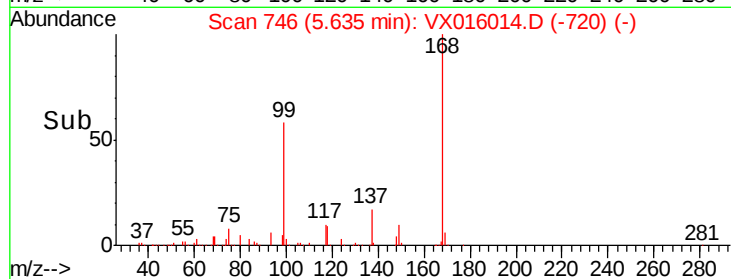
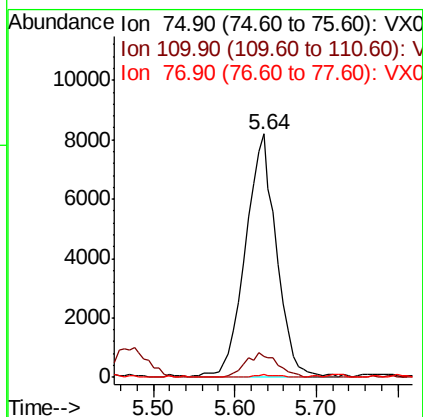
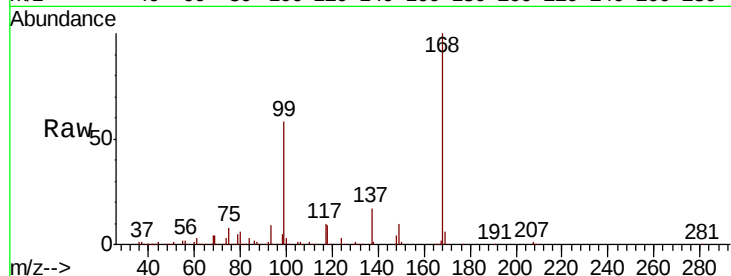




#36
 1,1-Dichloropropene
 Concen: 5.085 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.14 min
 Lab File: VX016014.D
 Acq: 01 May 2020 16:17

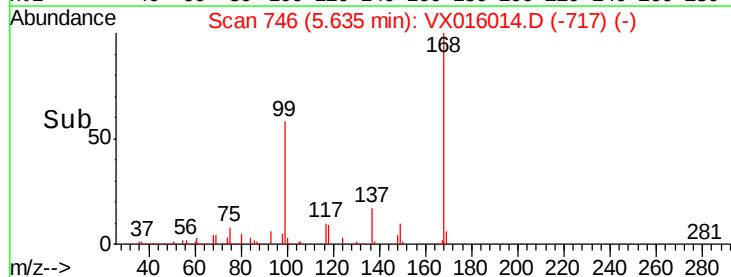
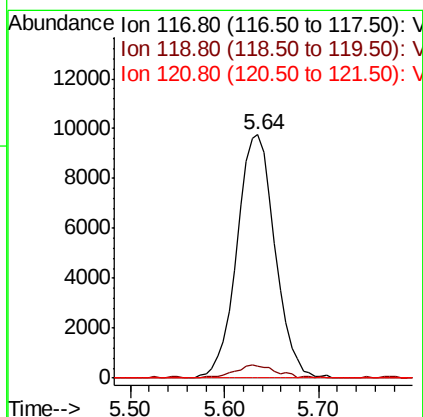
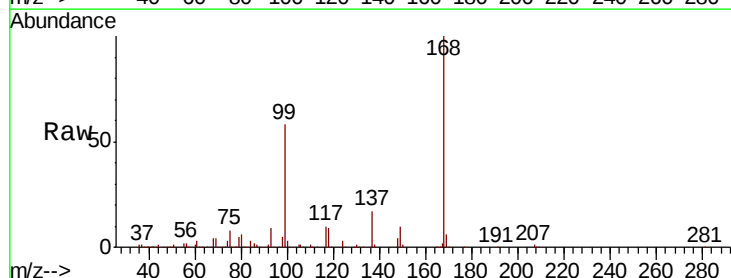
Instrument :
 MSVOA_X
 ClientSampleID :
 TB-20200428

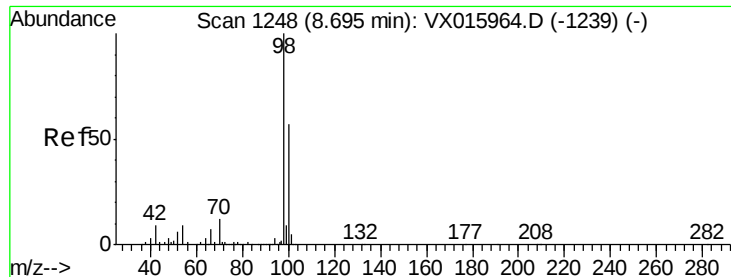
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.9	53.7#
77	0.9	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 6.093 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016014.D
 Acq: 01 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.4#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 51.910 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

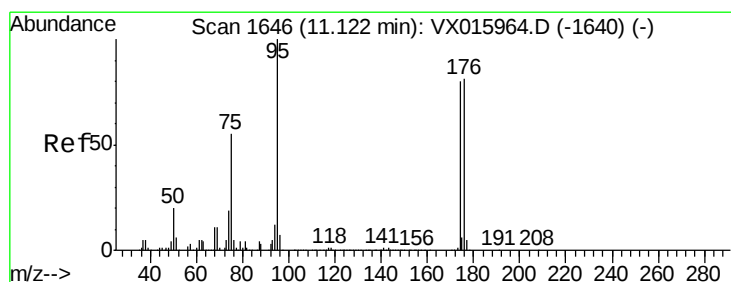
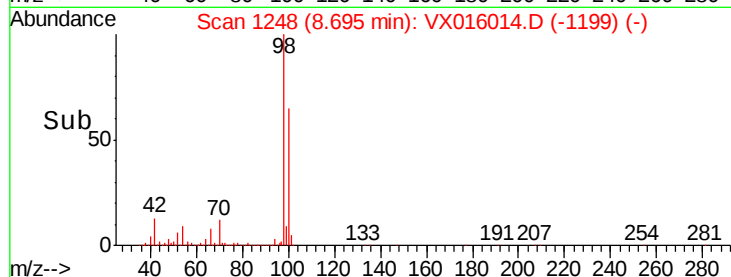
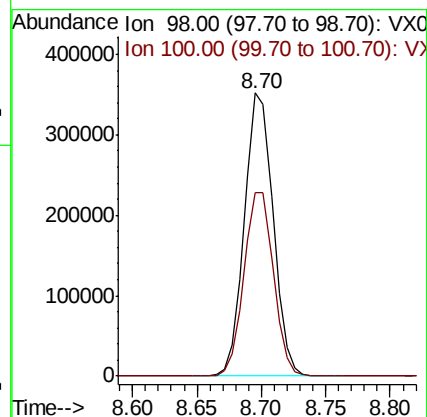
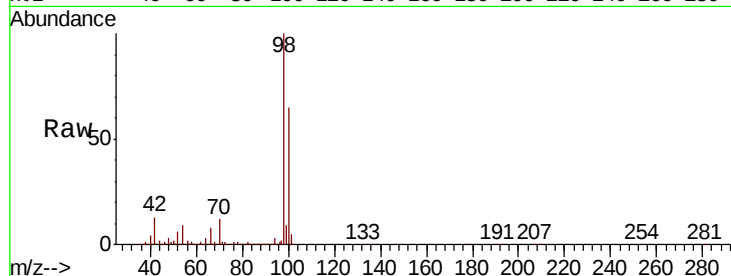
TB-20200428

Tot Ion: 98 Resp: 543606

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 54.298 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

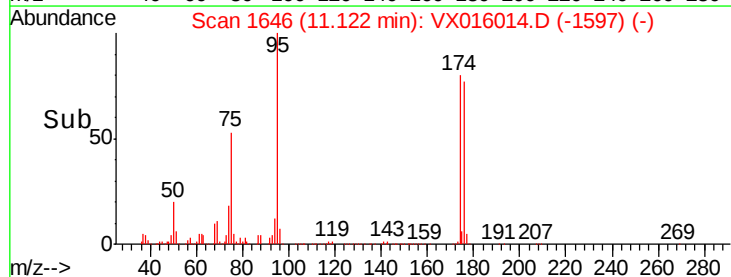
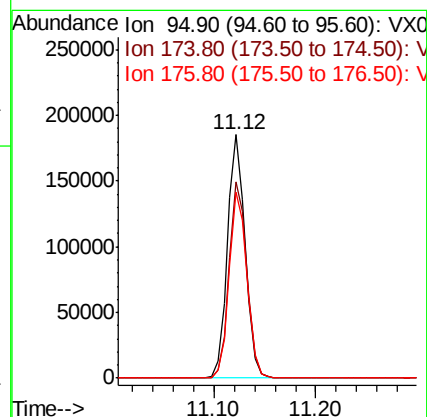
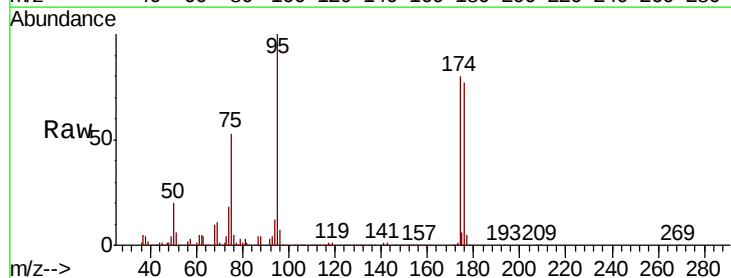
Tgt Ion: 95 Resp: 223018

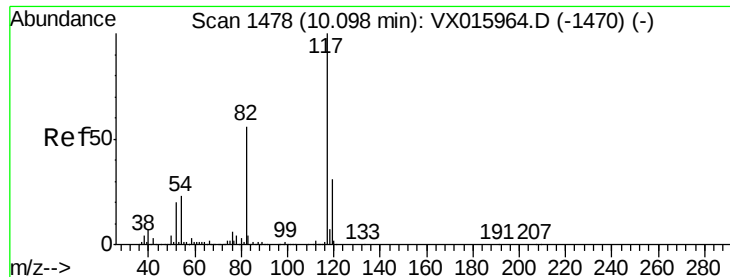
Ion Ratio Lower Upper

95 100

174 80.6 0.0 165.0

176 77.1 0.0 163.2

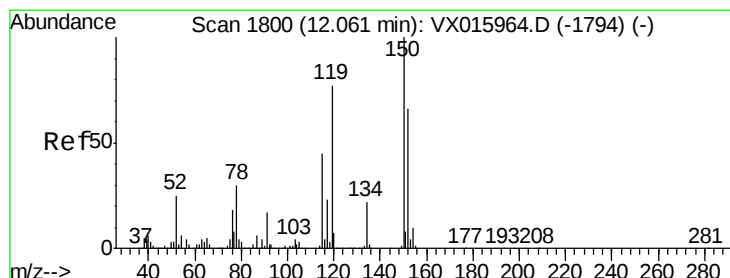
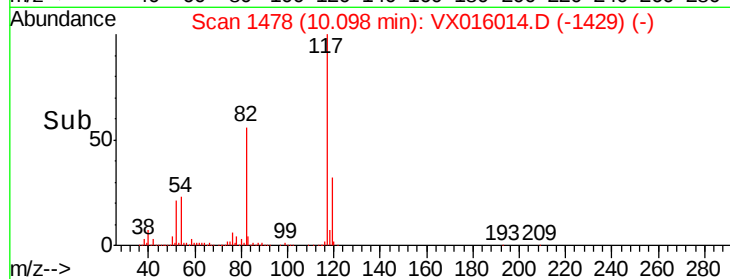
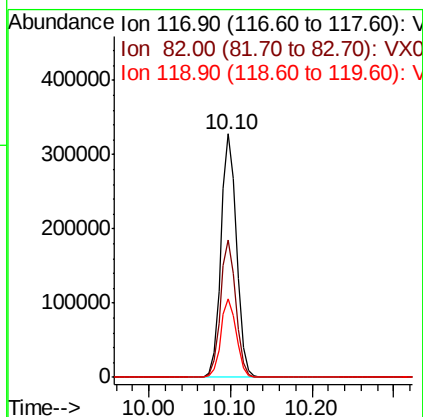
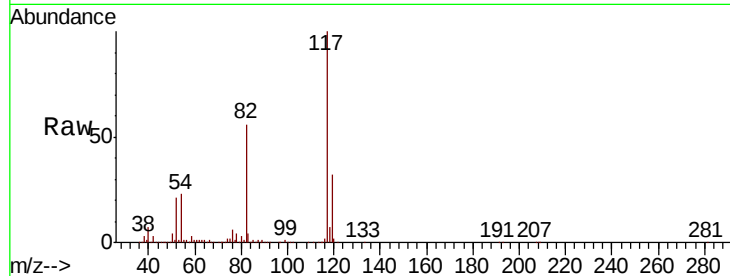




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016014.D
Acq: 01 May 2020 16:17

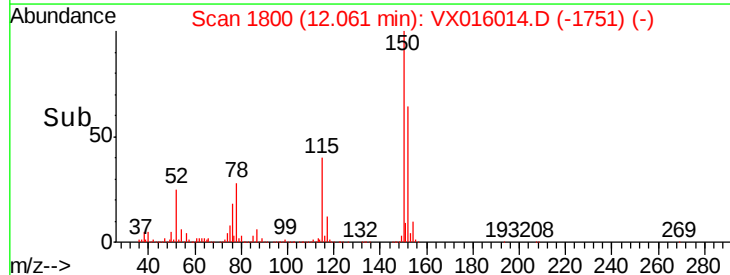
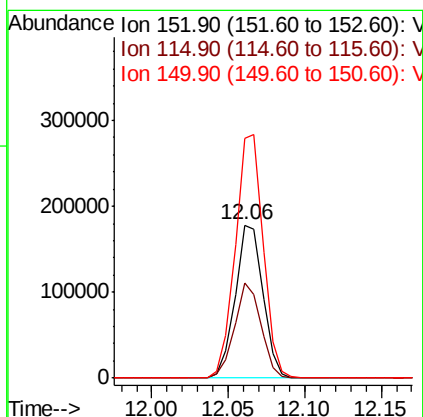
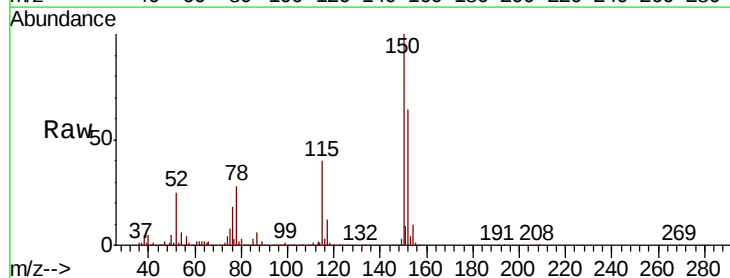
Instrument :
MSVOA_X
ClientSampleId :
TB-20200428

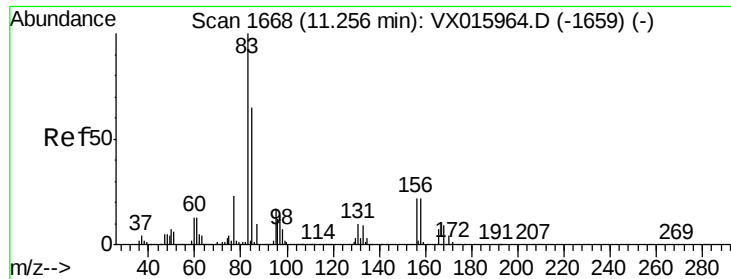
Tot Ion:117 Resp: 437306
Ion Ratio Lower Upper
117 100
82 56.4 44.5 66.7
119 32.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016014.D
Acq: 01 May 2020 16:17

Tgt Ion:152 Resp: 224520
Ion Ratio Lower Upper
152 100
115 59.5 40.9 122.7
150 159.0 0.0 342.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.756 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

TB-20200428

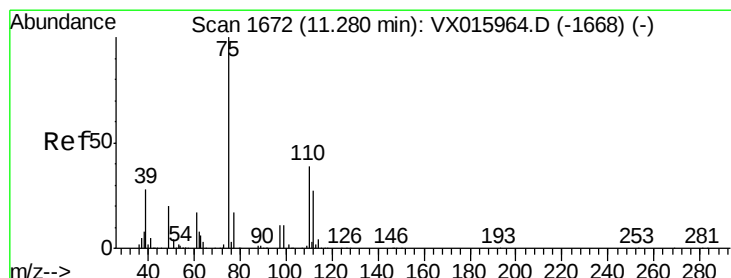
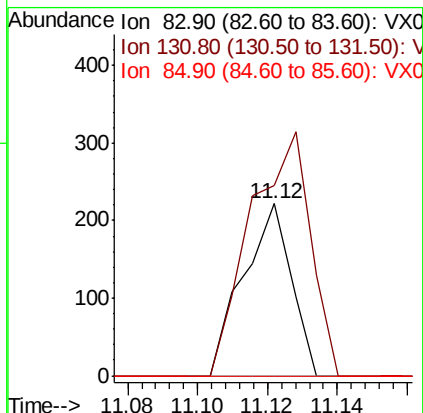
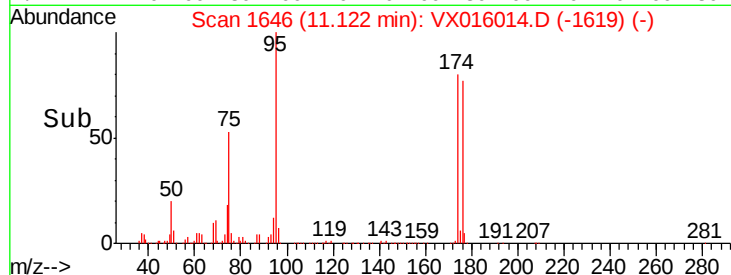
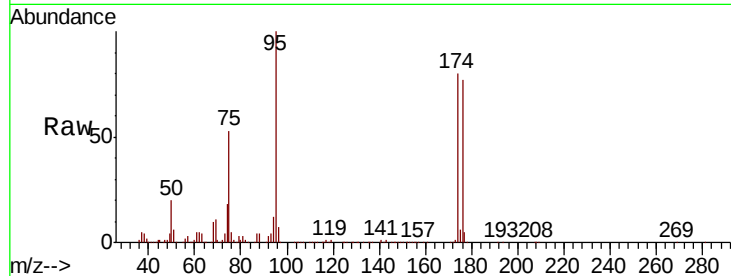
Tot Ion: 83 Resp: 211

Ion Ratio Lower Upper

83 100

131 177.7 5.1 15.4#

85 0.0 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 24.875 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016014.D

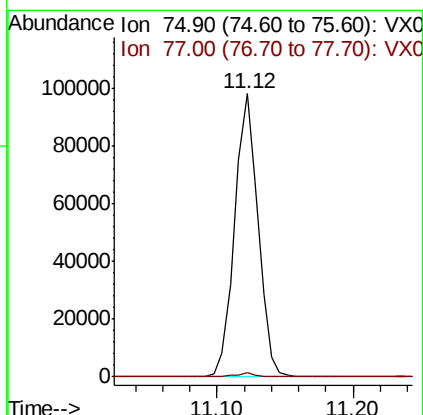
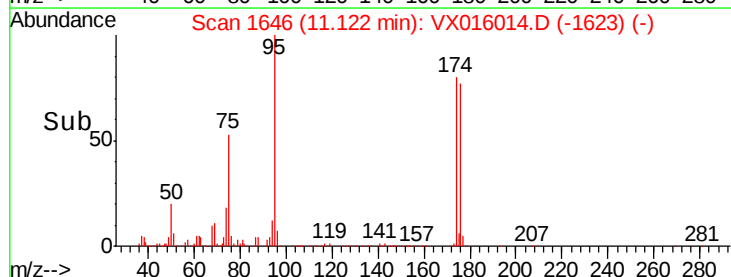
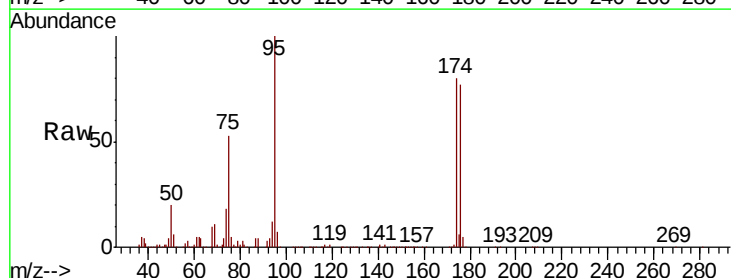
Acq: 01 May 2020 16:17

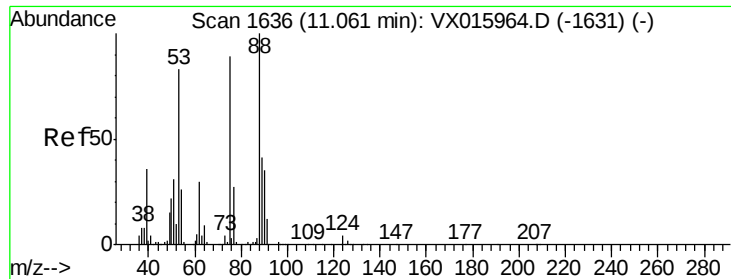
Tgt Ion: 75 Resp: 117190

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 58.783 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016014.D

Acq: 01 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

TB-20200428

Tot Ion: 75 Resp: 117190

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

89 0.0 37.2 55.8#

