

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016852.D
 Acq On : 18 Jun 2020 21:15
 Operator : JC/SP
 Sample : L3020-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-02_061620

Quant Time: Jun 19 03:02:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 18 15:20:47 2020
 Response via : Initial Calibration

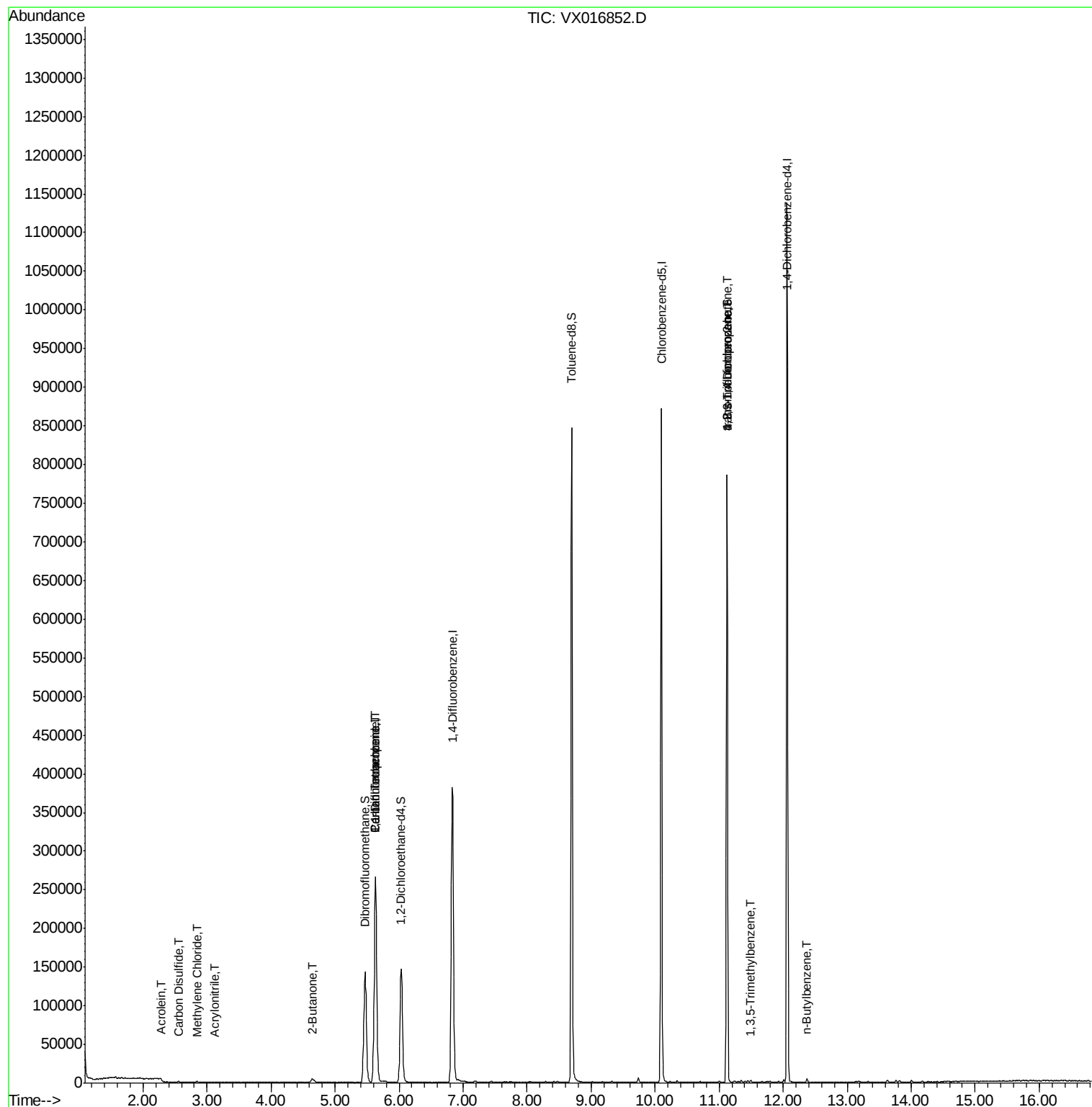
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	268154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	407269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	416544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	236117	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	143918	44.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.26%	
35) Dibromofluoromethane	5.46	113	126738	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
50) Toluene-d8	8.70	98	526114	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.12	95	207560	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	188	Below Cal	#	43
5) Bromomethane	1.64	94	549	Below Cal	#	52
13) Acrolein	2.28	56	321	0.971	ug/l #	27
15) Acrylonitrile	3.12	53	408	0.327	ug/l	85
16) Acetone	2.42	43	616	Below Cal	#	79
17) Carbon Disulfide	2.56	76	1625	0.219	ug/l	98
20) Methylene Chloride	2.84	84	568	0.202	ug/l #	78
25) 2-Butanone	4.64	43	341	0.212	ug/l #	45
36) 1,1-Dichloropropene	5.64	75	18102	4.814	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25325	6.002	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.30	63	209	Below Cal	#	82
59) 2-Hexanone	9.48	43	251	Below Cal	#	43
73) Isopropylbenzene	11.00	105	871	Below Cal		95
76) 1,2,3-Trichloropropane	11.12	75	99762	22.904	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	624	0.252	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.12	75	99762	56.653	ug/l #	14
89) n-Butylbenzene	12.37	91	1466	3.118	ug/l	99

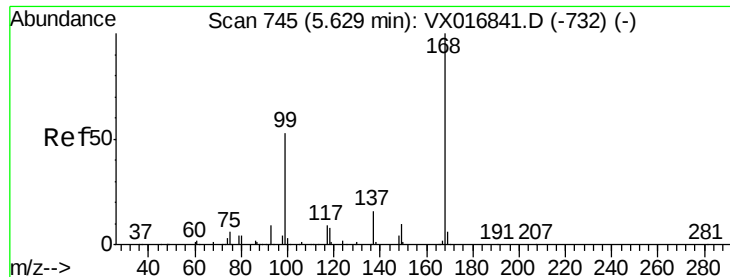
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 18 15:20:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

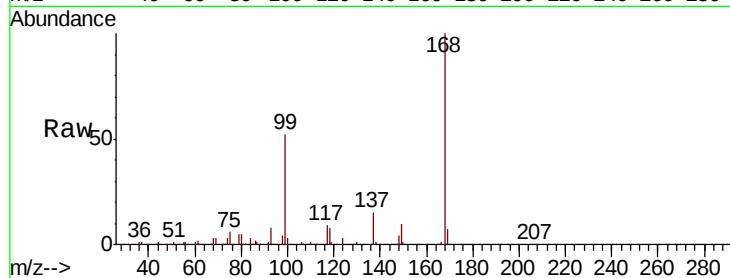
TB-02_061620

Tot Ion:168 Resp: 268154

Ion Ratio Lower Upper

168 100

99 51.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

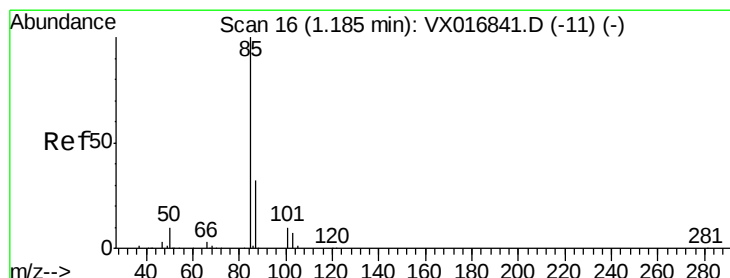
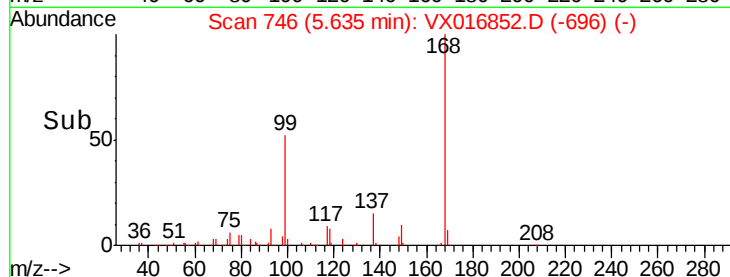
40000

20000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016852.D

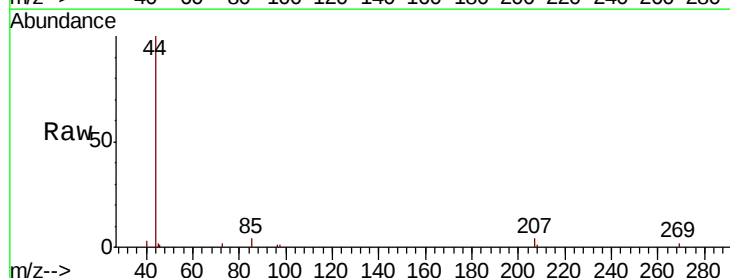
Acq: 18 Jun 2020 21:15

Tgt Ion: 85 Resp: 188

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

250

200

150

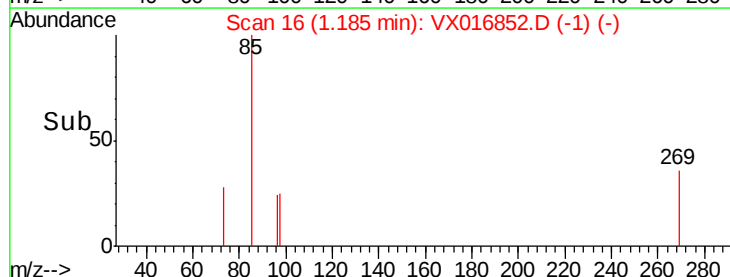
100

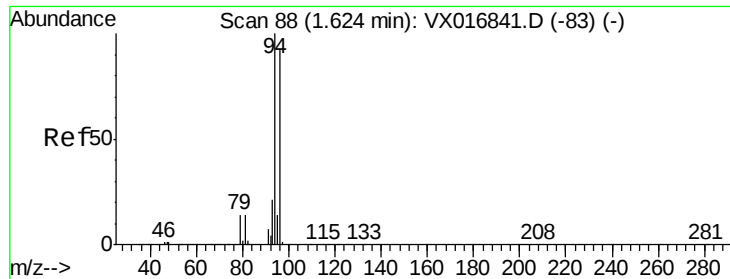
50

0

Time-->

1.16 1.18 1.20





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

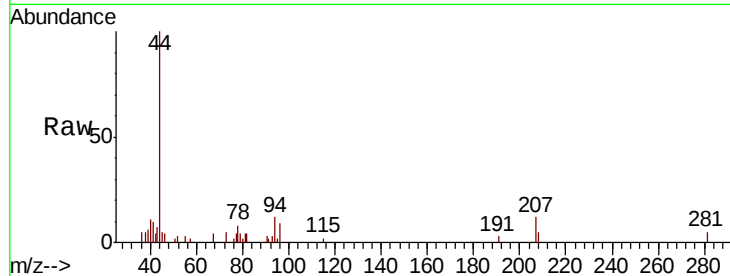
TB-02_061620

Tot Ion: 94 Resp: 549

Ion Ratio Lower Upper

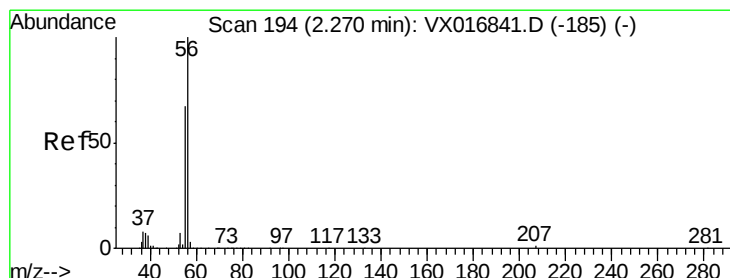
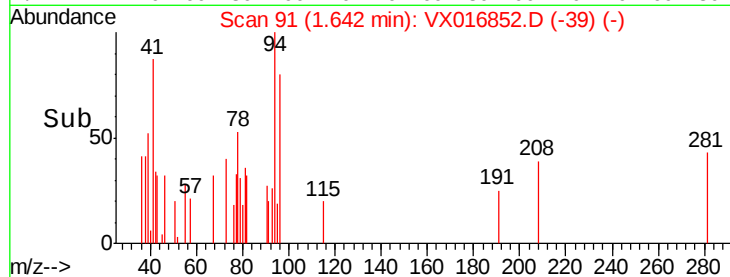
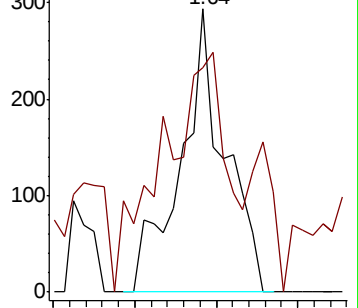
94 100

96 47.1 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 0.971 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016852.D

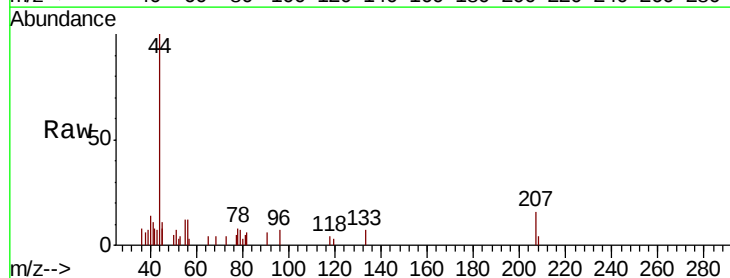
Acq: 18 Jun 2020 21:15

Tgt Ion: 56 Resp: 321

Ion Ratio Lower Upper

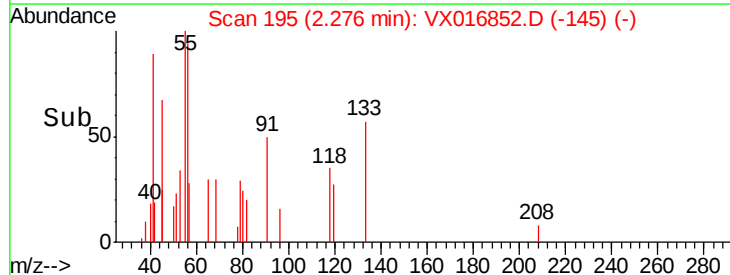
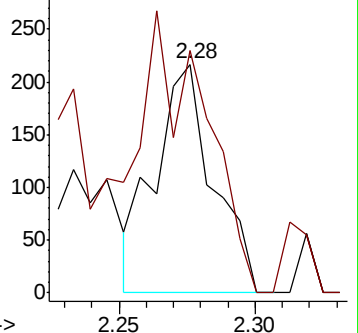
56 100

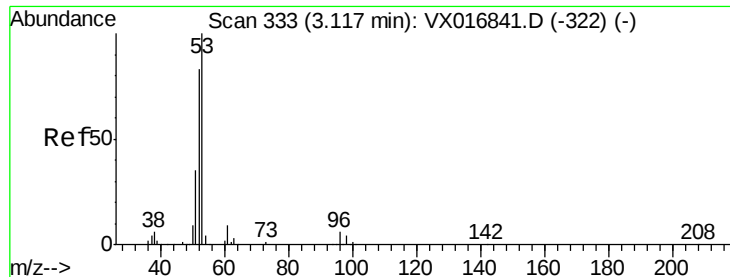
55 129.3 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.327 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

TB-02_061620

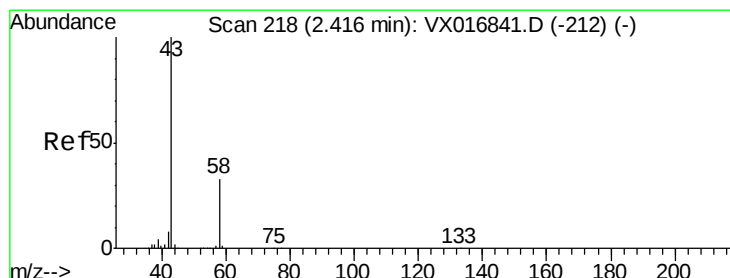
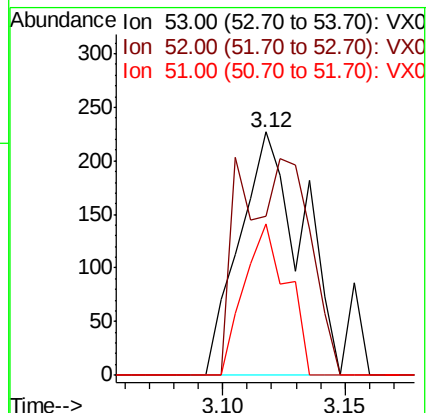
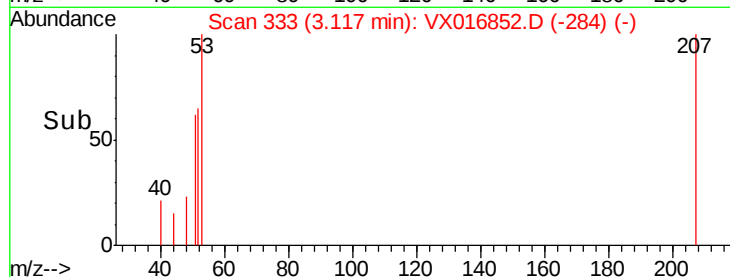
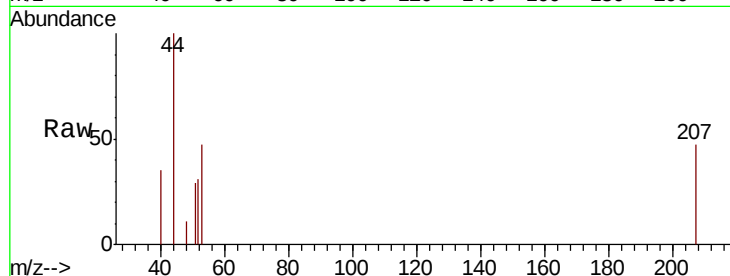
Tot Ion: 53 Resp: 408

Ion Ratio Lower Upper

53 100

52 97.5 66.2 99.2

51 42.6 28.7 43.1



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016852.D

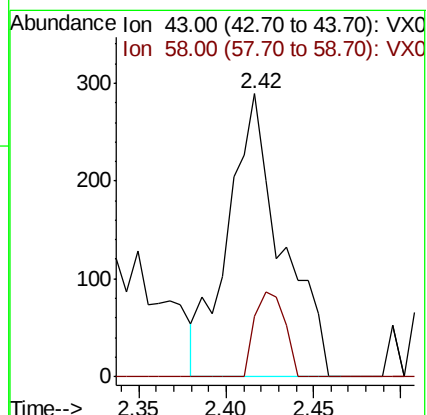
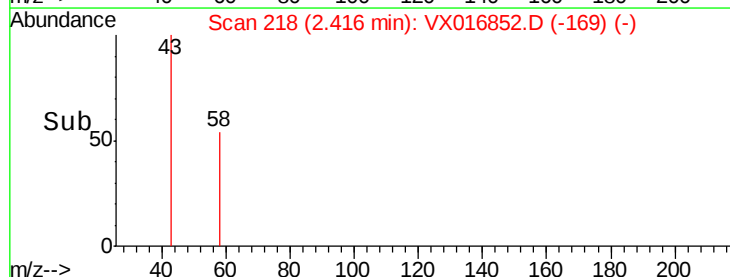
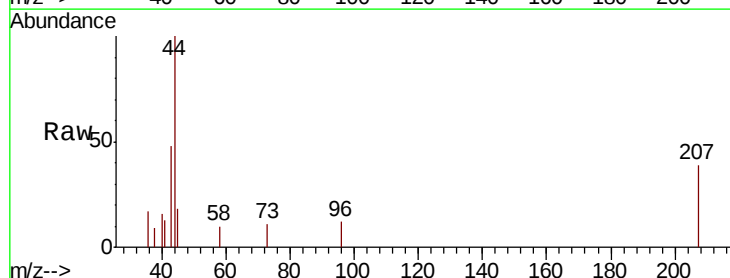
Acq: 18 Jun 2020 21:15

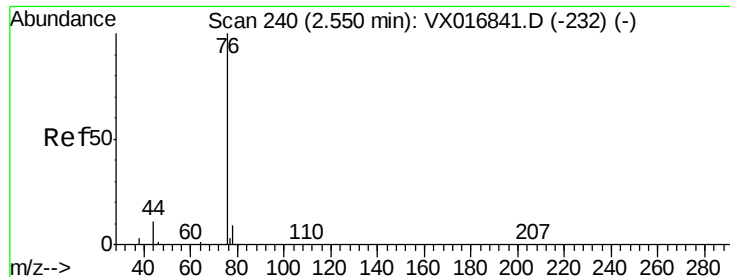
Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

58 21.5 26.6 39.8#





#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampled :

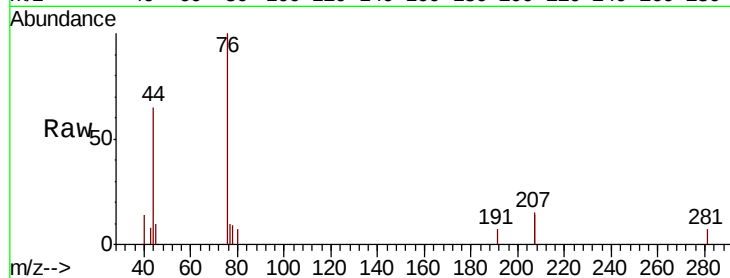
TB-02_061620

Tot Ion: 76 Resp: 1625

Ion Ratio Lower Upper

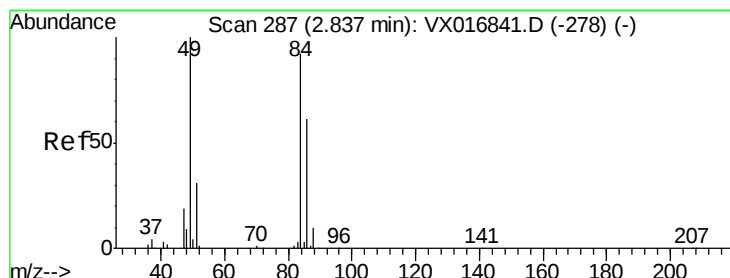
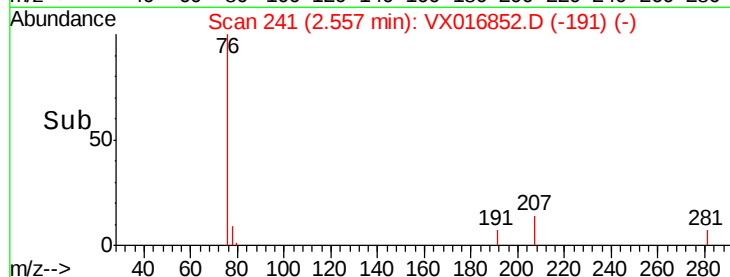
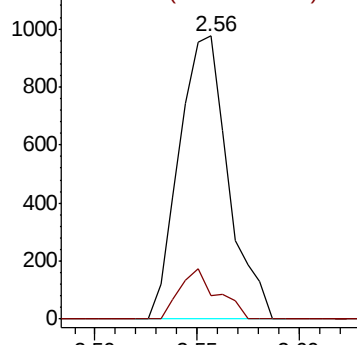
76 100

78 8.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Tgt Ion: 84 Resp: 568

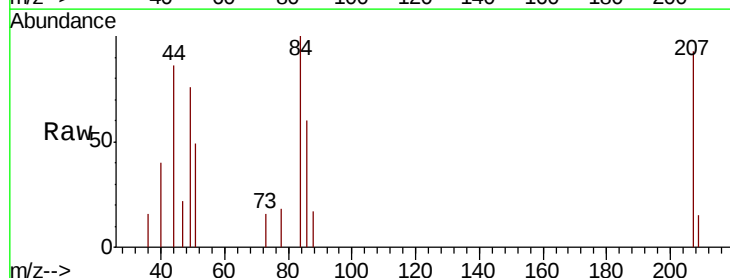
Ion Ratio Lower Upper

84 100

49 76.3 86.6 129.8#

51 48.5 27.1 40.7#

86 60.5 53.1 79.7

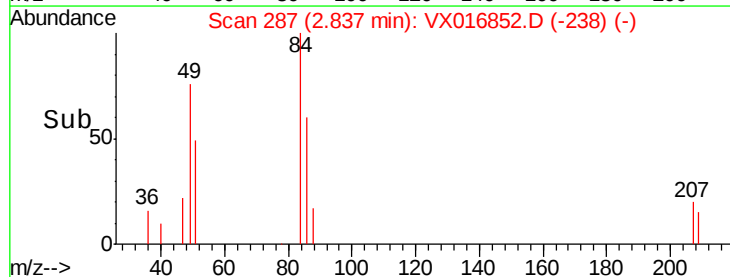
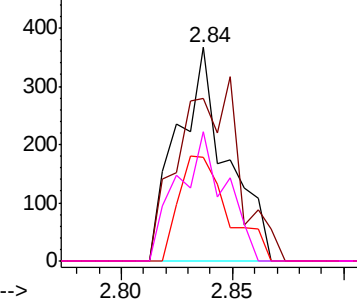


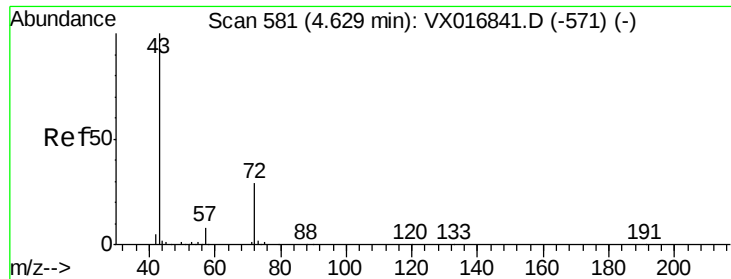
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

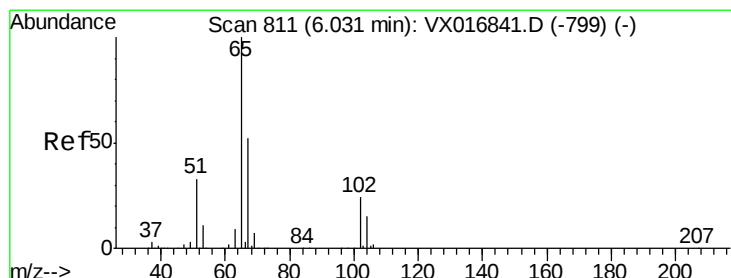
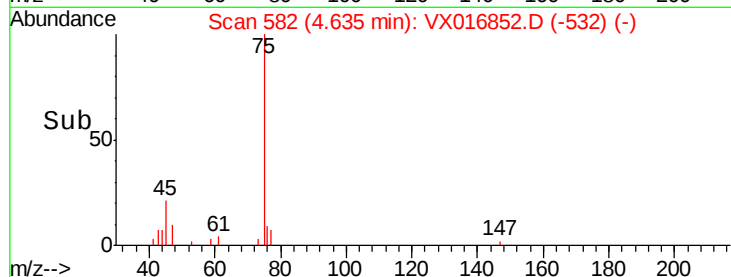
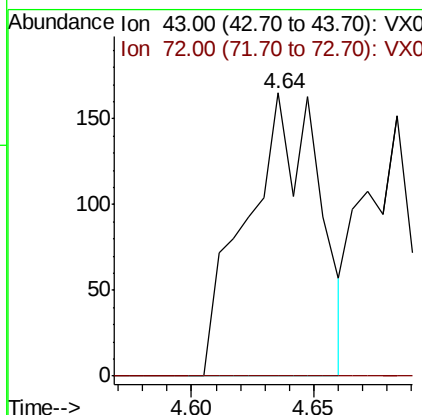
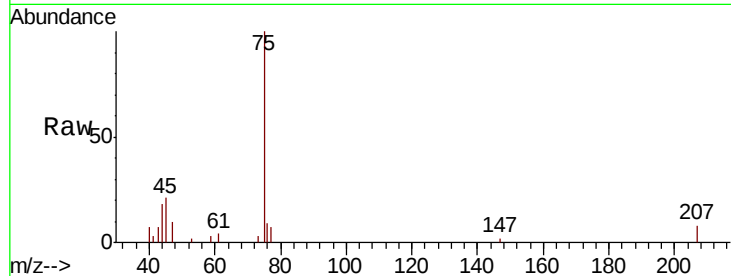




#25
2-Butanone
Concen: 0.212 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

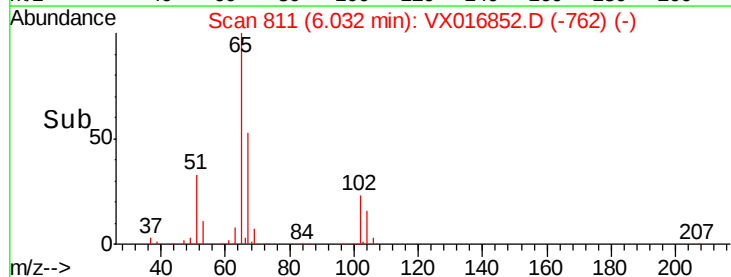
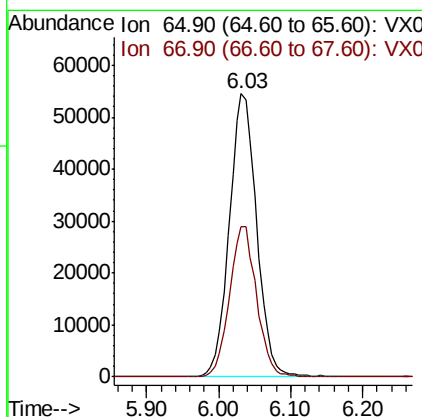
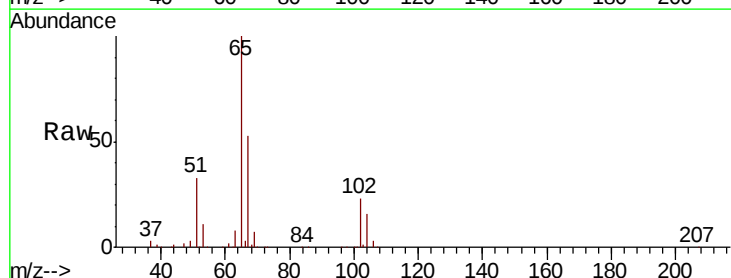
Instrument :
MSVOA_X
ClientSampleId :
TB-02_061620

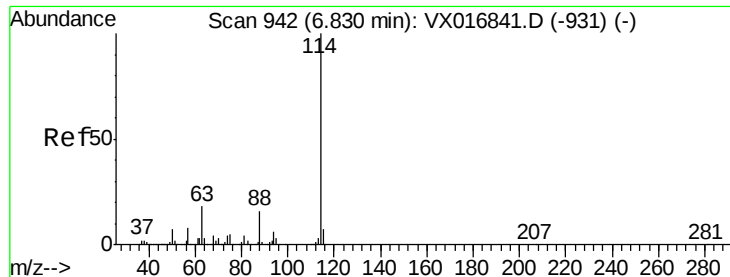
Tot Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
72 0.0 23.5 35.3#



#33
1,2-Dichloroethane-d4
Concen: 44.625 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

Tgt Ion: 65 Resp: 143918
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.6

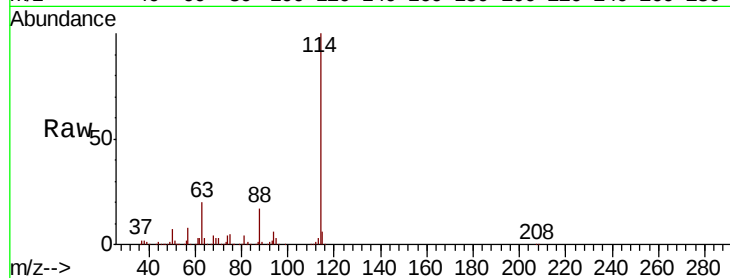




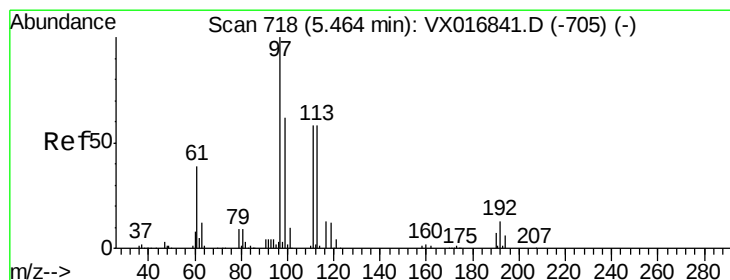
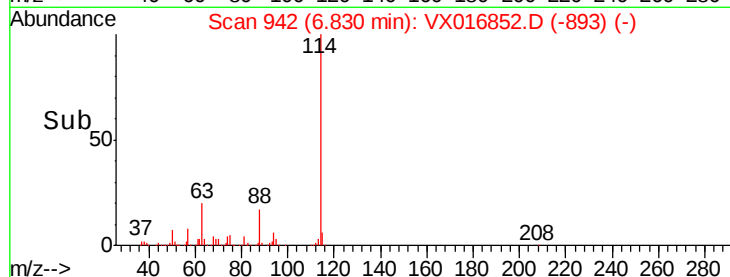
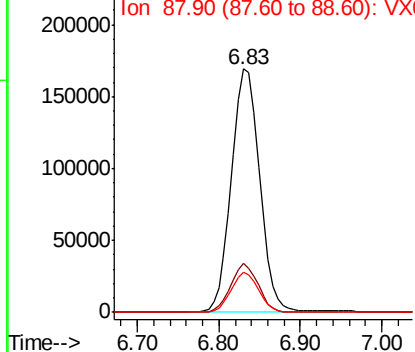
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. 0.00 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

Instrument :
MSVOA_X
ClientSampleId :
TB-02_061620

Tot Ion:114 Resp: 407269
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.0
88 16.6 0.0 32.0

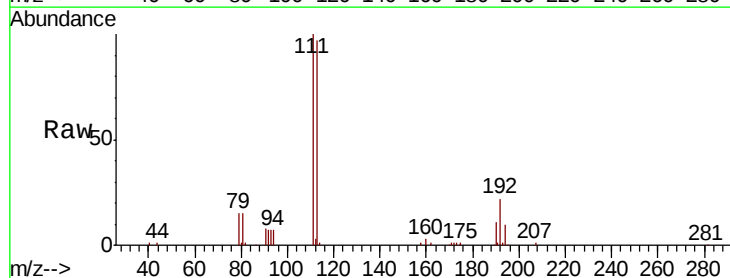


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

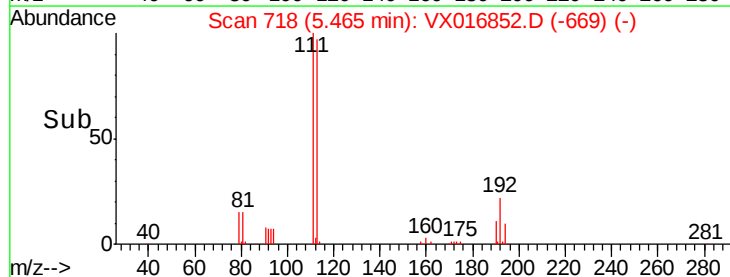
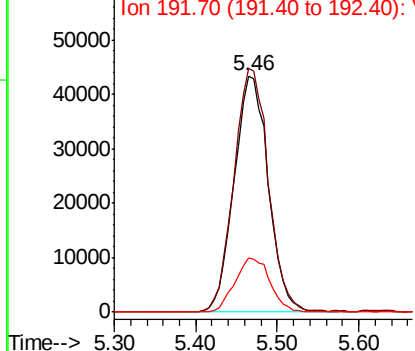


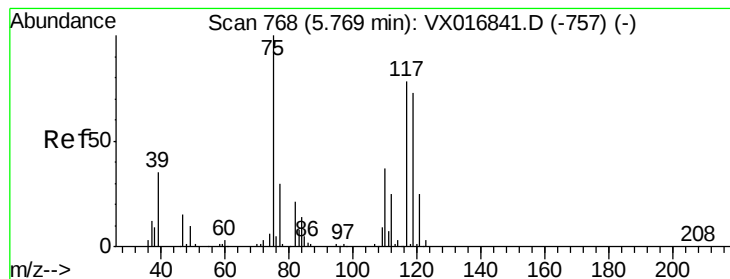
#35
Dibromofluoromethane
Concen: 48.646 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

Tgt Ion:113 Resp: 126738
Ion Ratio Lower Upper
113 100
111 103.4 81.0 121.4
192 23.4 18.5 27.7



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: 4.814 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

TB-02_061620

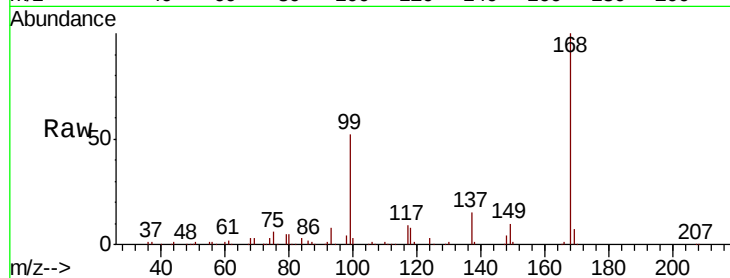
Tot Ion: 75 Resp: 18102

Ion Ratio Lower Upper

75 100

110 9.8 18.9 56.9#

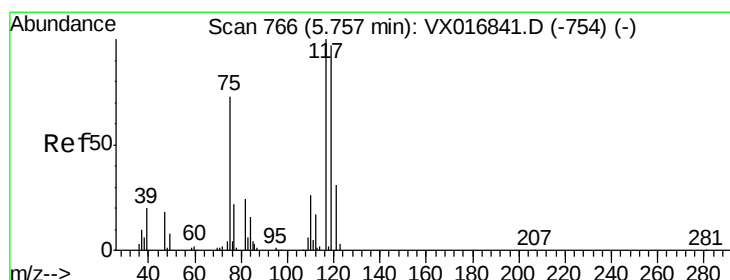
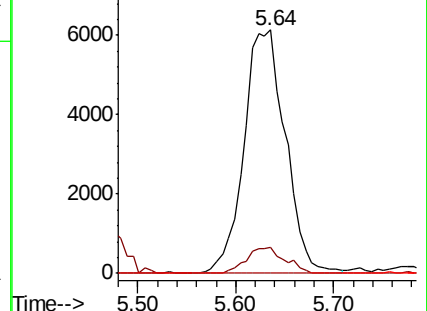
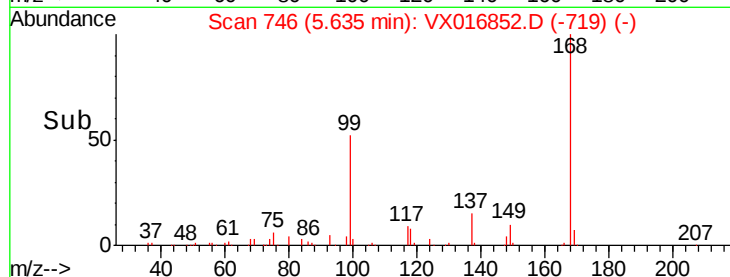
77 0.0 25.6 38.4#



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: 6.002 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

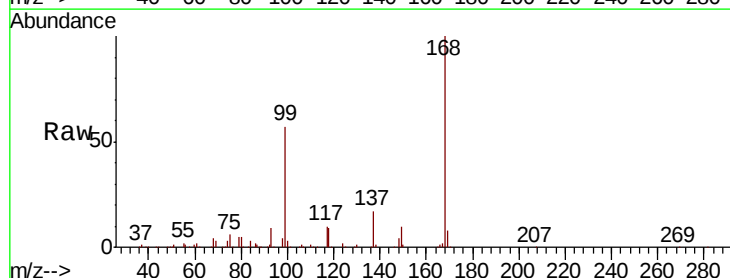
Tgt Ion: 117 Resp: 25325

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.2#

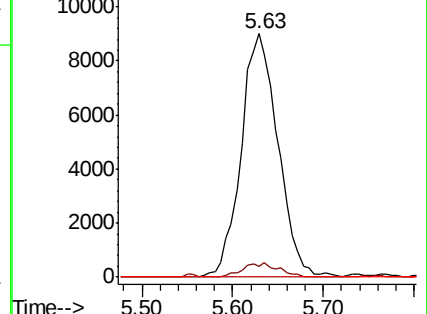
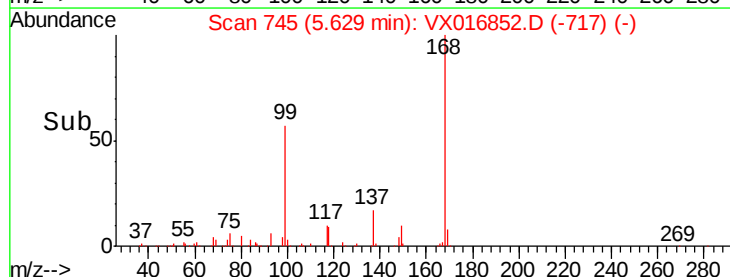
121 0.0 24.7 37.1#

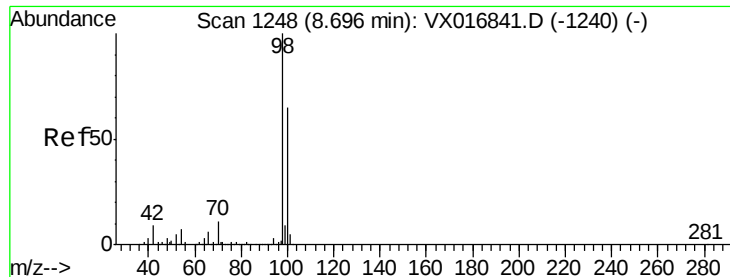


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.474 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

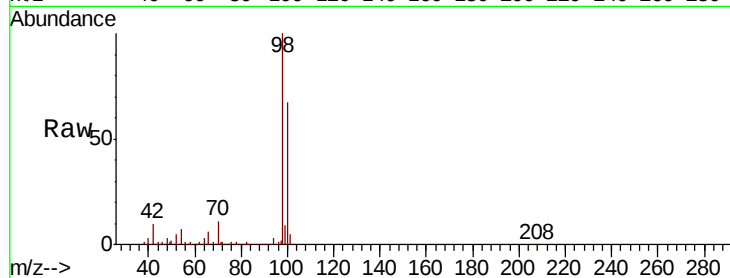
TB-02_061620

Tot Ion: 98 Resp: 526114

Ion Ratio Lower Upper

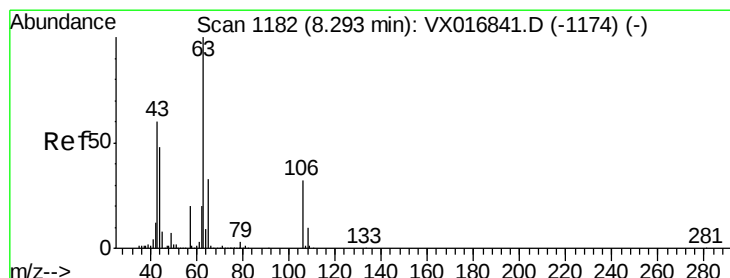
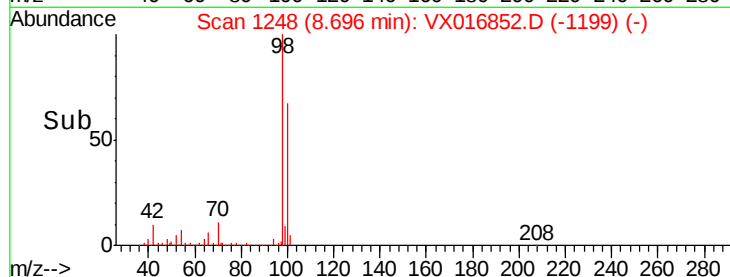
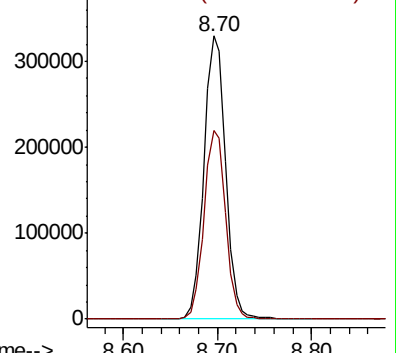
98 100

100 66.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 8.30 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VX016852.D

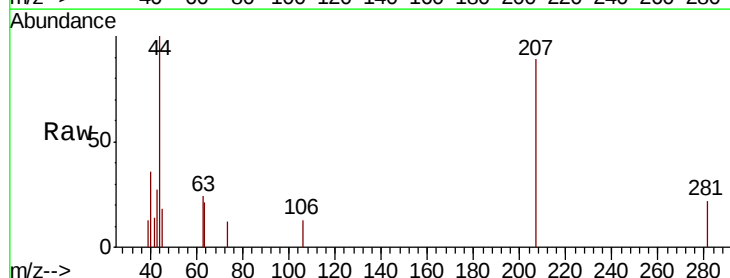
Acq: 18 Jun 2020 21:15

Tgt Ion: 63 Resp: 209

Ion Ratio Lower Upper

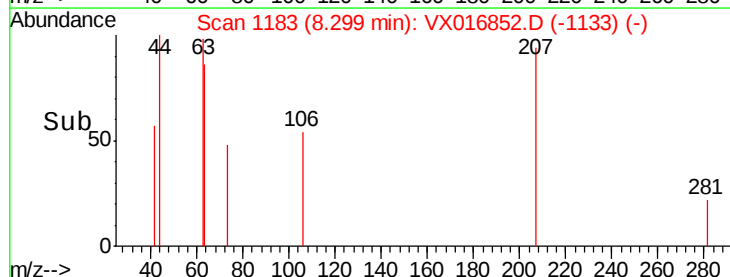
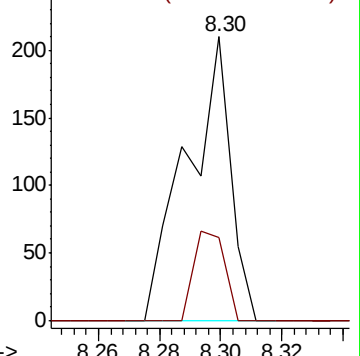
63 100

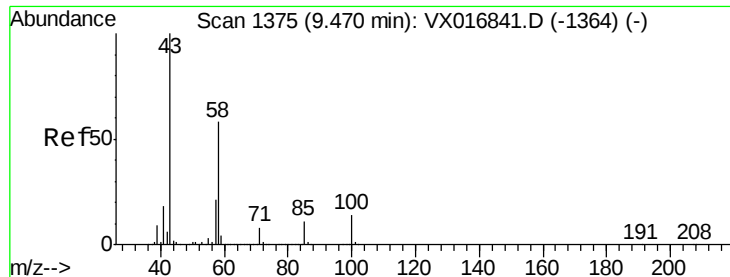
106 22.0 25.8 38.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: Below Cal

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

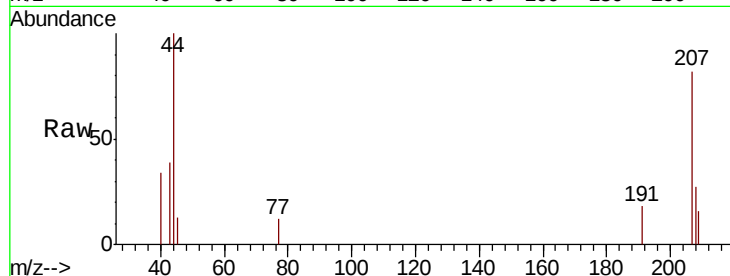
TB-02_061620

Tot Ion: 43 Resp: 251

Ion Ratio Lower Upper

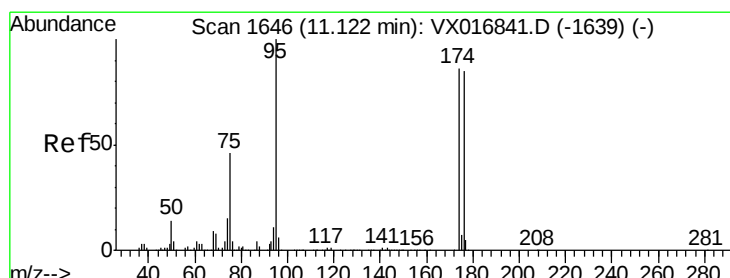
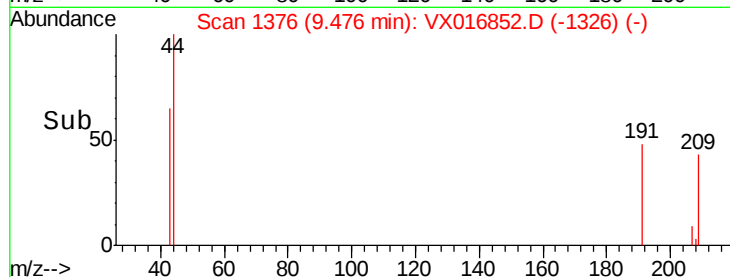
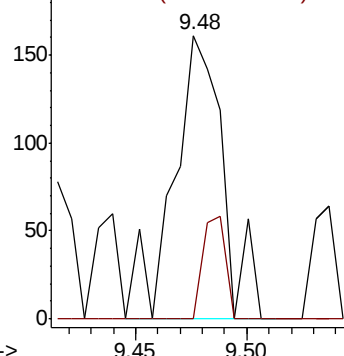
43 100

58 16.3 29.8 89.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 51.972 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

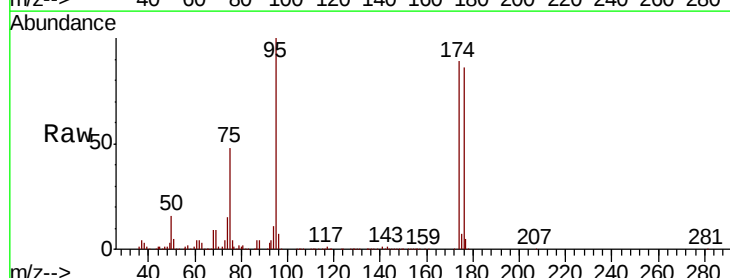
Tgt Ion: 95 Resp: 207560

Ion Ratio Lower Upper

95 100

174 86.5 0.0 174.2

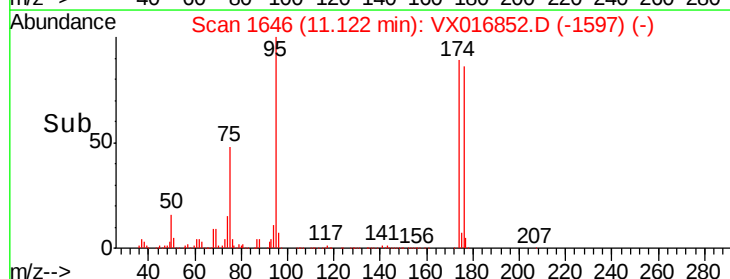
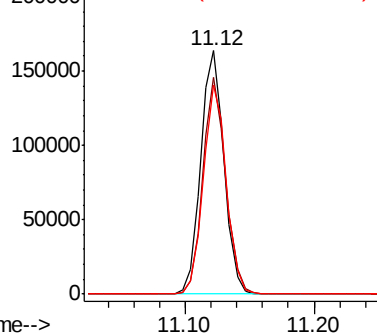
176 84.3 0.0 170.0

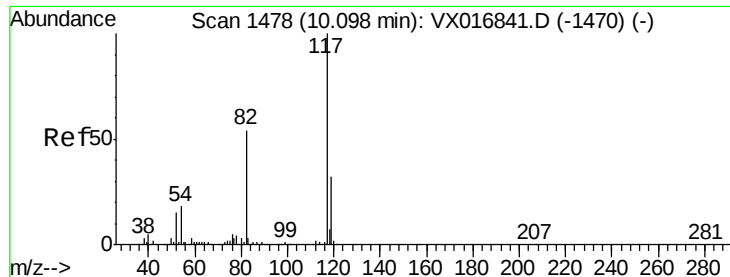


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

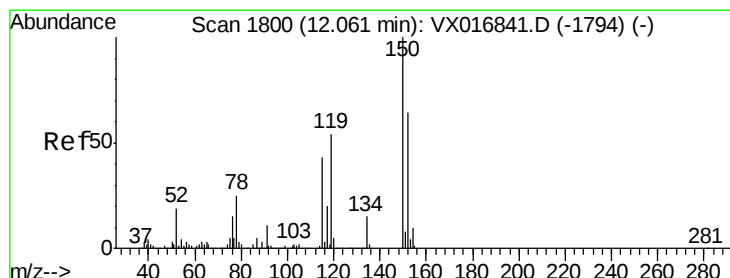
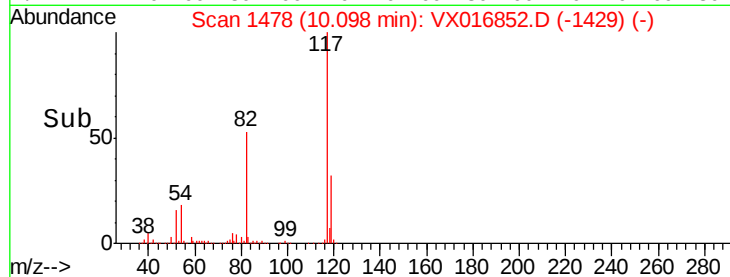
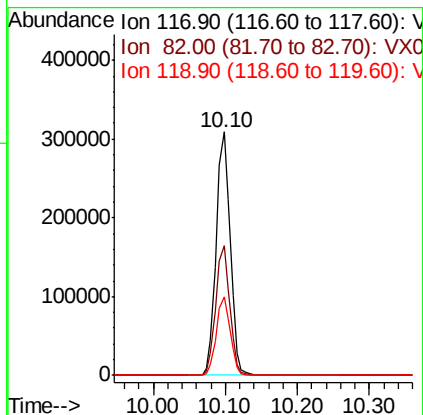
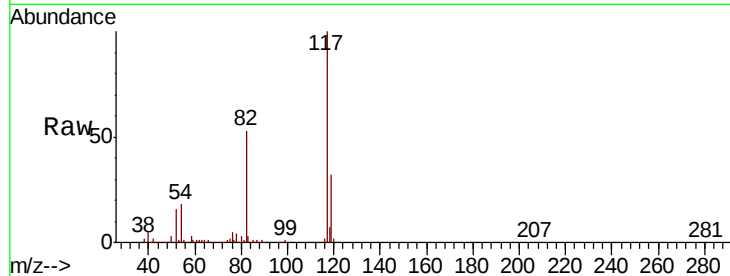




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

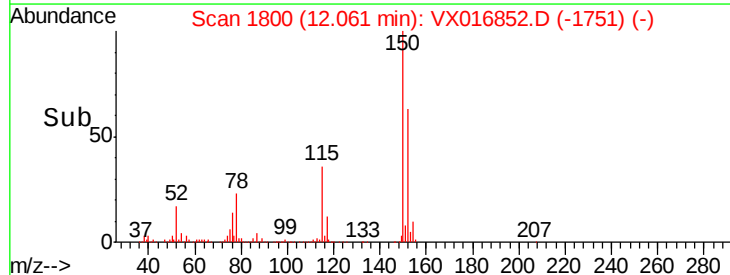
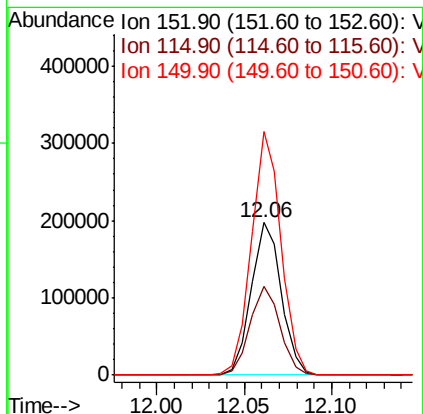
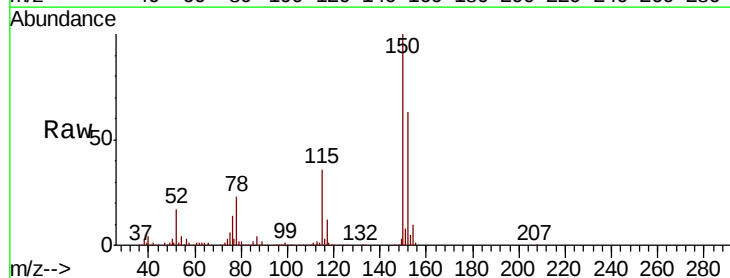
Instrument :
MSVOA_X
ClientSampleId :
TB-02_061620

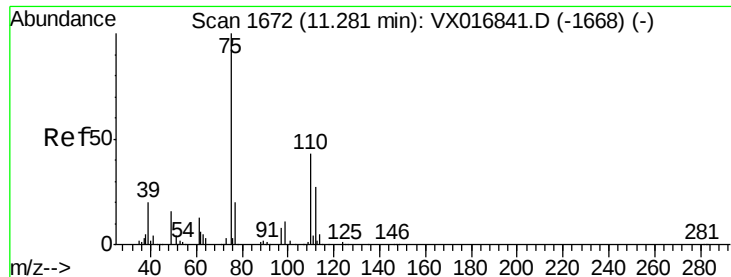
Tot Ion:117 Resp: 416544
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

Tgt Ion:152 Resp: 236117
Ion Ratio Lower Upper
152 100
115 58.3 40.9 122.8
150 156.5 0.0 344.2





#76

1,2,3-Trichloropropane

Concen: 22.904 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016852.D

Acq: 18 Jun 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

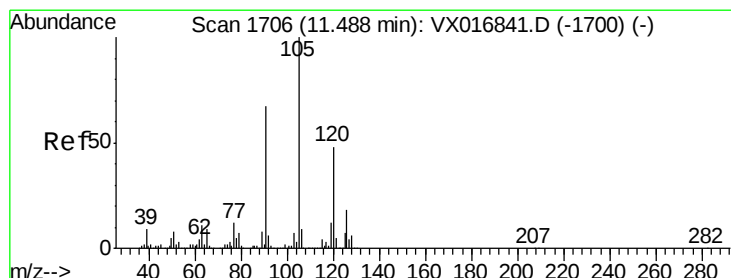
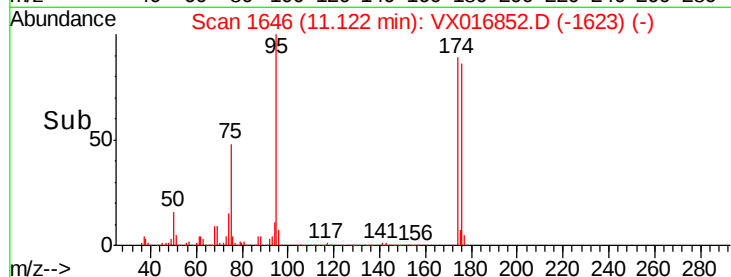
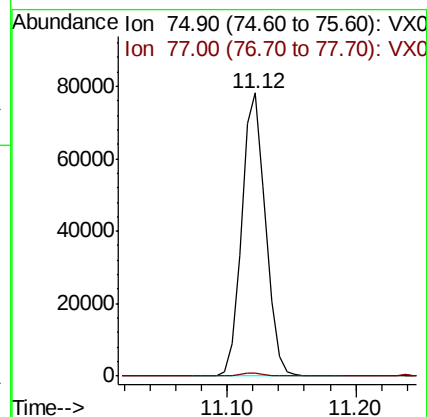
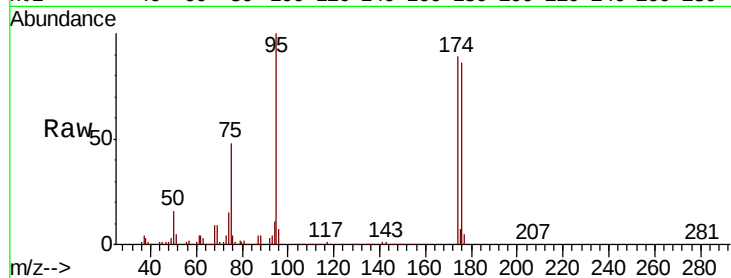
TB-02_061620

Tot Ion: 75 Resp: 99762

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.252 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016852.D

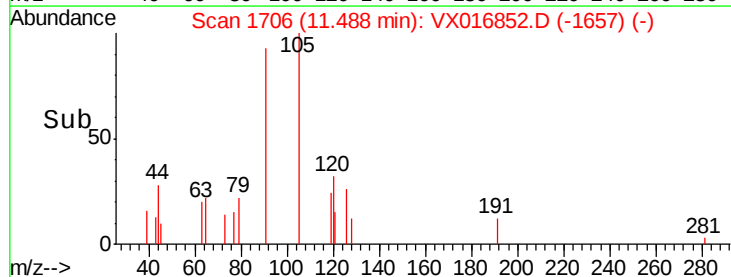
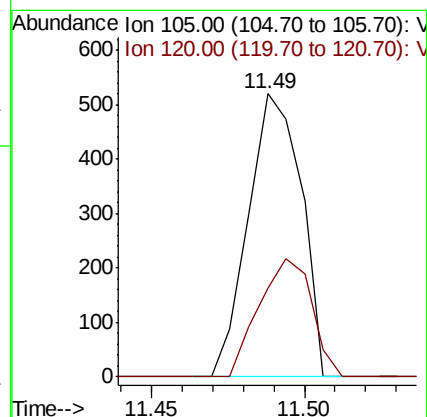
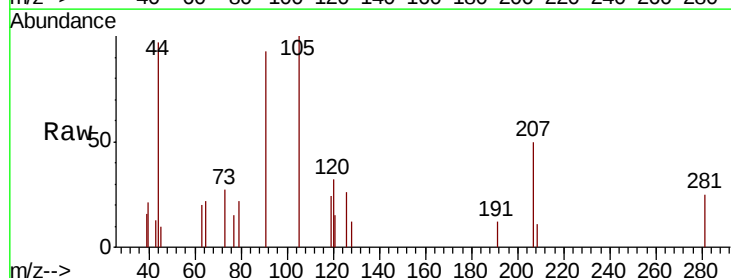
Acq: 18 Jun 2020 21:15

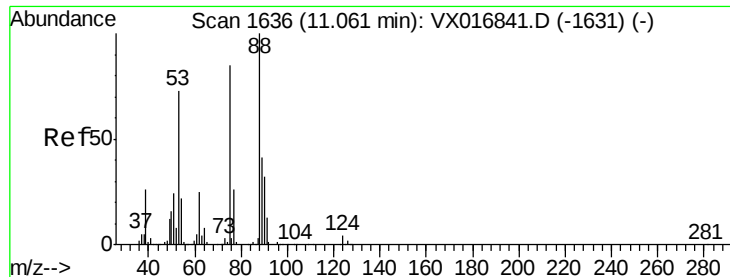
Tgt Ion: 105 Resp: 624

Ion Ratio Lower Upper

105 100

120 41.8 24.6 74.0

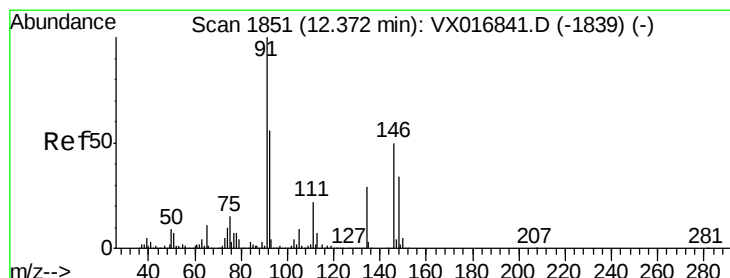
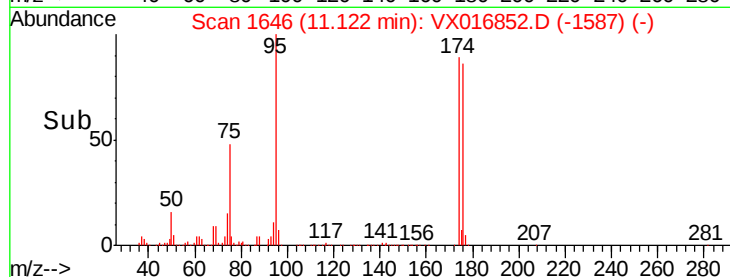
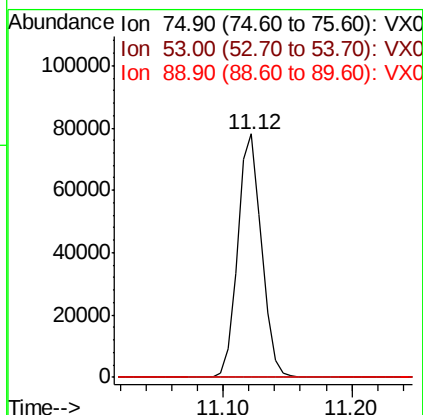
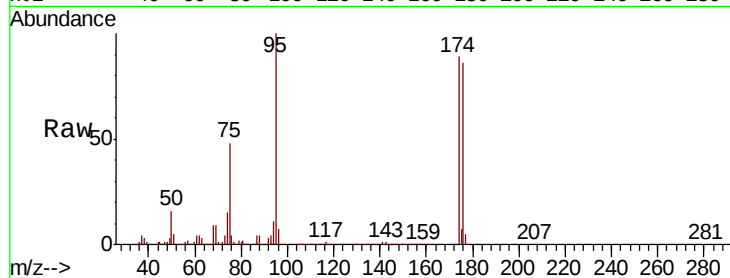




#81
trans-1,4-Dichloro-2-butene
Concen: 56.653 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

Instrument :
MSVOA_X
ClientSampleId :
TB-02_061620

Tot Ion: 75 Resp: 99762
Ion Ratio Lower Upper
75 100
53 0.1 69.8 104.8#
89 0.0 38.3 57.5#



#89
n-Butylbenzene
Concen: 3.118 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016852.D
Acq: 18 Jun 2020 21:15

Tgt Ion: 91 Resp: 1466
Ion Ratio Lower Upper
91 100
92 55.4 27.4 82.2
134 28.8 13.9 41.6

