

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050720\
 Data File : VX016087.D
 Acq On : 07 May 2020 12:39
 Operator : JC/SP
 Sample : L2543-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB13-200503

Quant Time: May 08 02:02:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	317502	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	520303	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	498062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	254932	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	191149	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	5.46	113	151429	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
50) Toluene-d8	8.70	98	636838	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.12	95	249284	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	

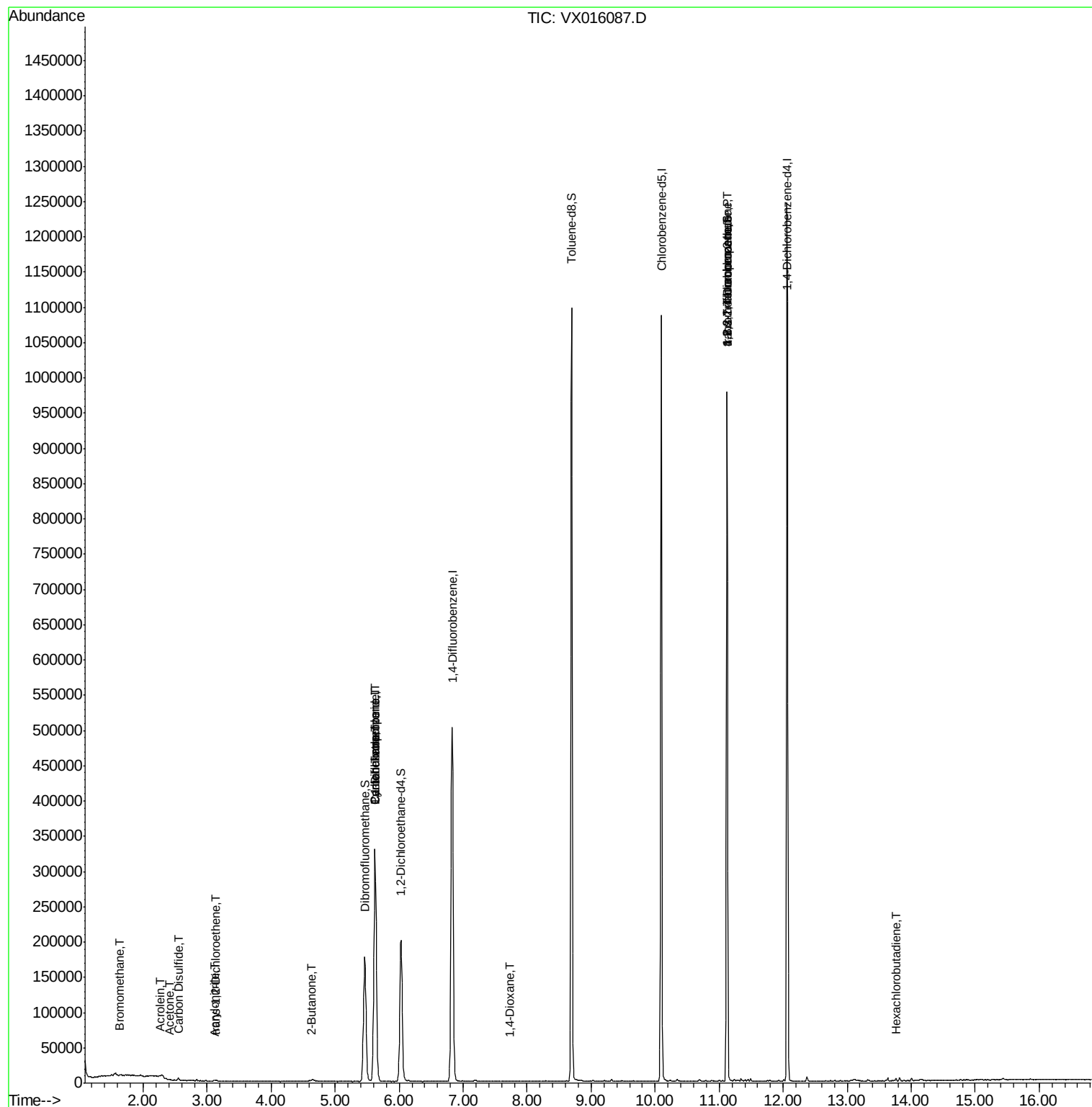
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	544	0.259	ug/l	87
13) Acrolein	2.27	56	714	1.080	ug/l #	57
15) Acrylonitrile	3.12	53	780	0.356	ug/l #	68
16) Acetone	2.42	43	658	0.353	ug/l #	88
17) Carbon Disulfide	2.55	76	4159	0.214	ug/l #	89
21) trans-1,2-Dichloroethene	3.14	96	888	0.241	ug/l #	74
25) 2-Butanone	4.62	43	739	0.246	ug/l #	48
31) Cyclohexane	5.62	56	6428	1.107	ug/l #	4
36) 1,1-Dichloropropene	5.62	75	24094	4.704	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30188	5.799	ug/l #	14
49) 1,4-Dioxane	7.73	88	67	0.622	ug/l #	10
75) 1,1,2,2-Tetrachloroethane	11.12	83	188	2.103	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	125228	21.647	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	125228	51.587	ug/l #	13
94) Hexachlorobutadiene	13.77	225	488	0.707	ug/l	96

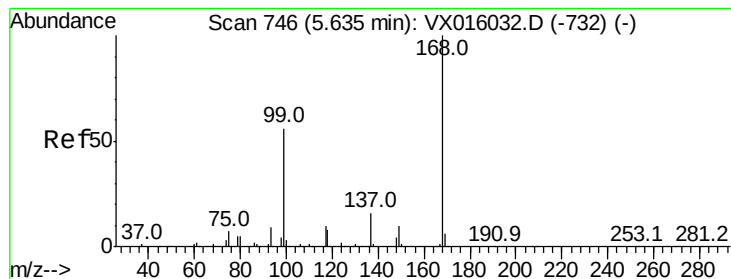
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050720\
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ClientSampled :
Z3-TB13-200503

Quant Time: May 08 02:02:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

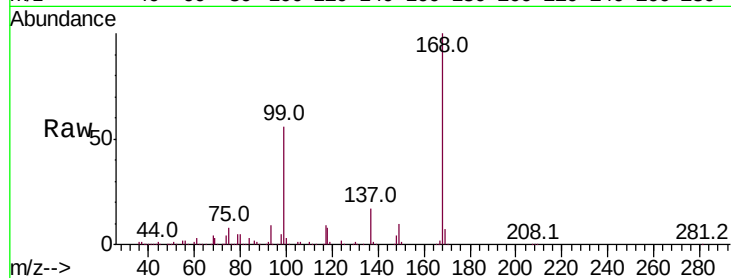
Z3-TB13-200503

Tot Ion:168 Resp: 317502

Ion Ratio Lower Upper

168 100

99 56.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

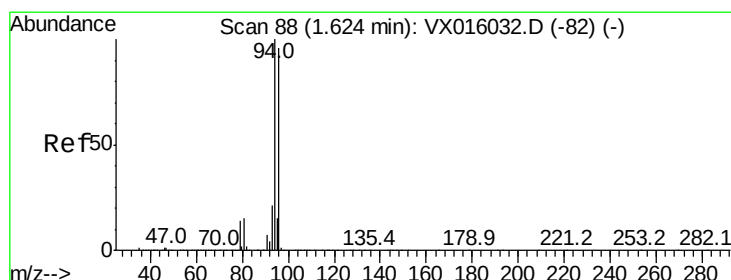
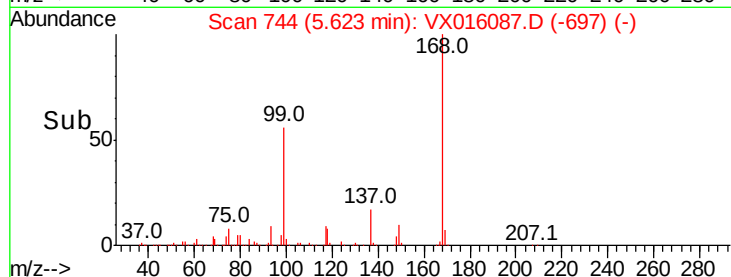
5.62

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016087.D

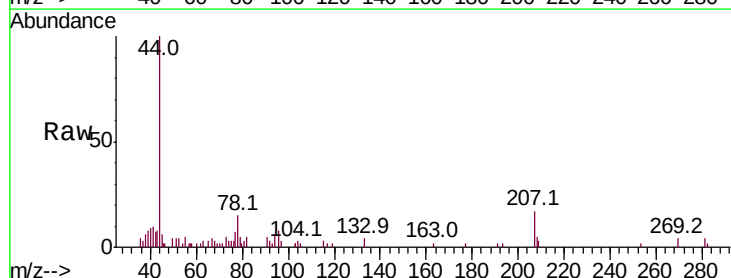
Acq: 07 May 2020 12:39

Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

94 100

96 83.3 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

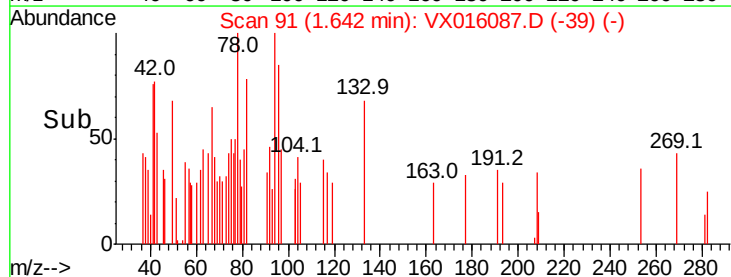
150

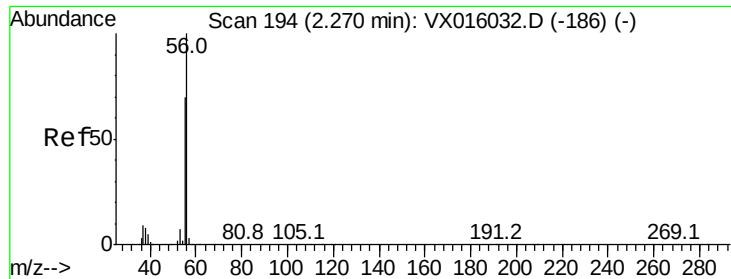
100

50

0

Time-->





#13

Acrolein

Concen: 1.080 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

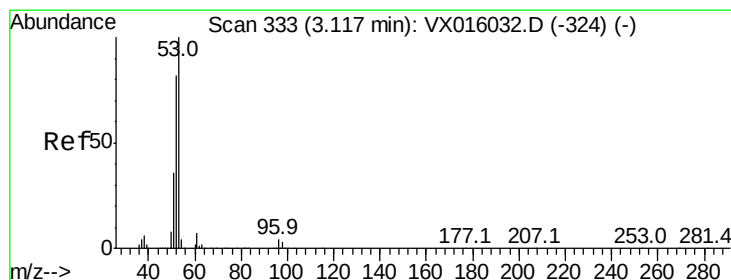
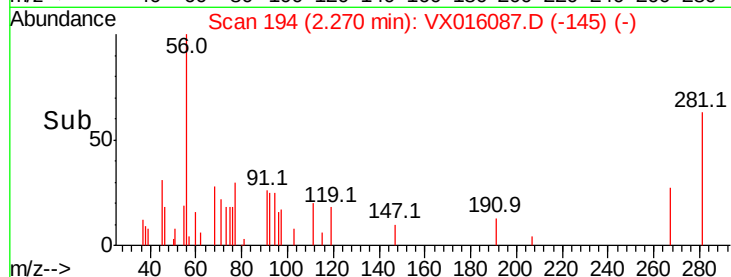
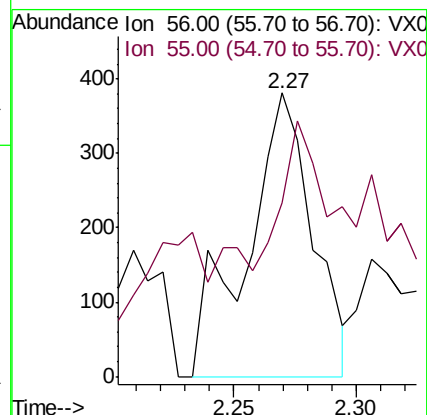
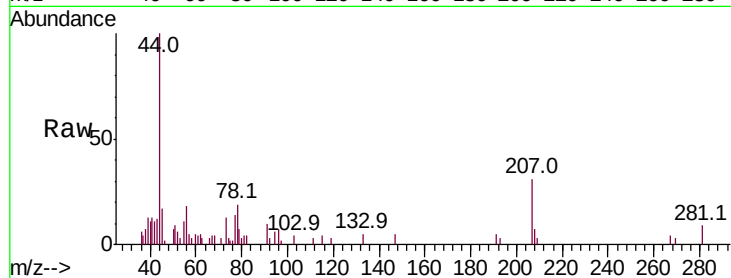
Z3-TB13-200503

Tot Ion: 56 Resp: 714

Ion Ratio Lower Upper

56 100

55 35.2 56.5 84.7#



#15

Acrylonitrile

Concen: 0.356 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

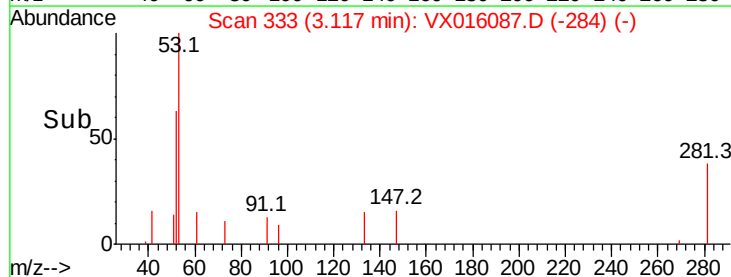
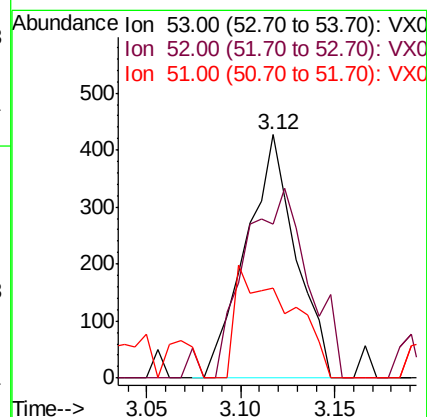
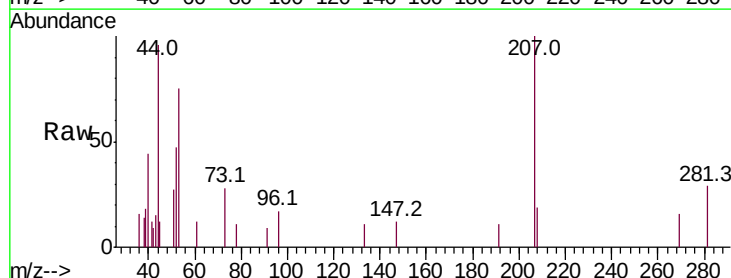
Tgt Ion: 53 Resp: 780

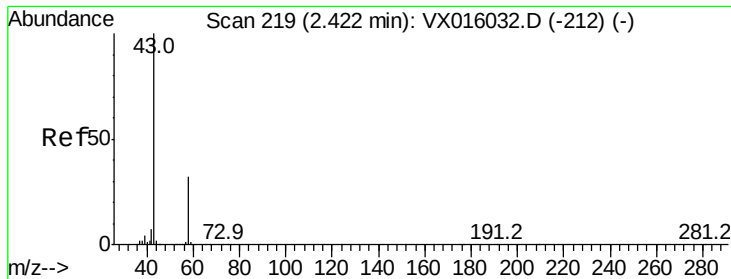
Ion Ratio Lower Upper

53 100

52 99.5 66.1 99.1#

51 0.0 28.8 43.2#





#16

Acetone

Concen: 0.353 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

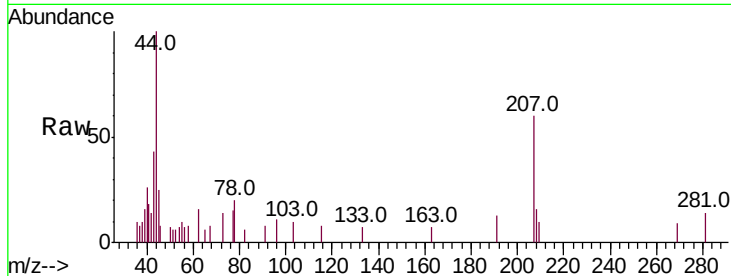
Z3-TB13-200503

Tot Ion: 43 Resp: 658

Ion Ratio Lower Upper

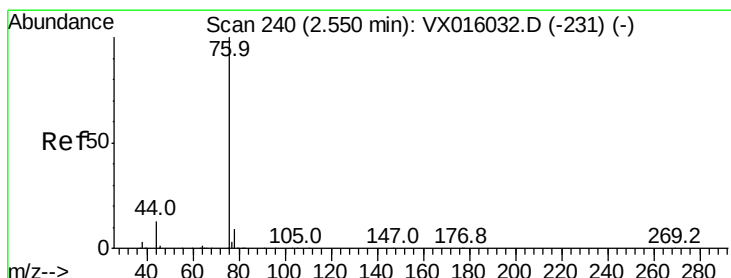
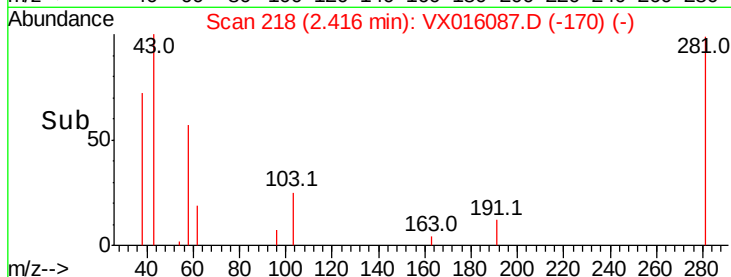
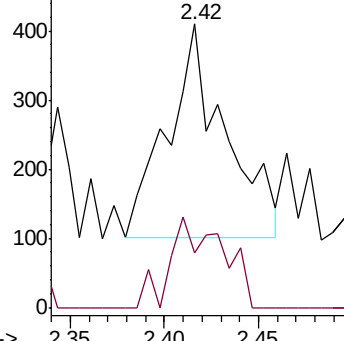
43 100

58 25.2 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016087.D

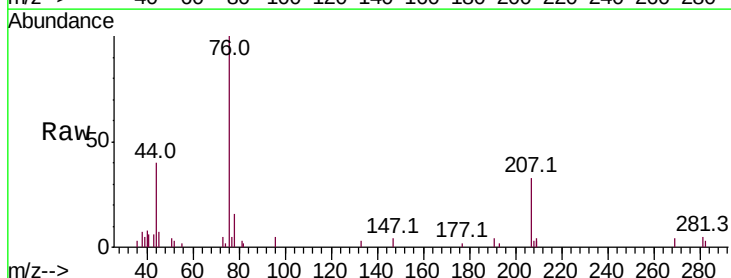
Acq: 07 May 2020 12:39

Tgt Ion: 76 Resp: 4159

Ion Ratio Lower Upper

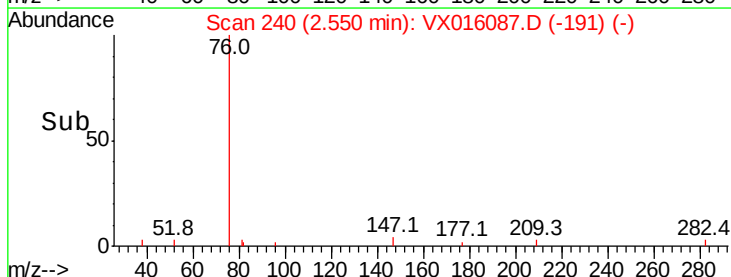
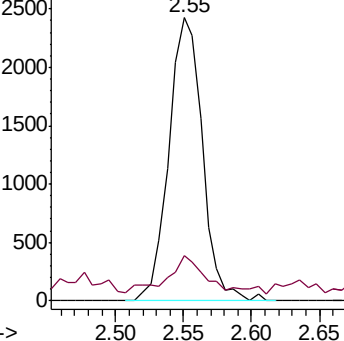
76 100

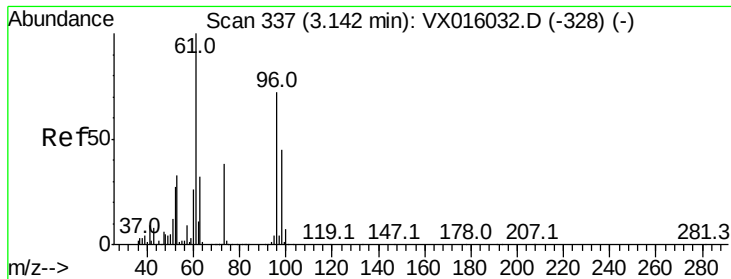
78 13.3 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.241 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB13-200503

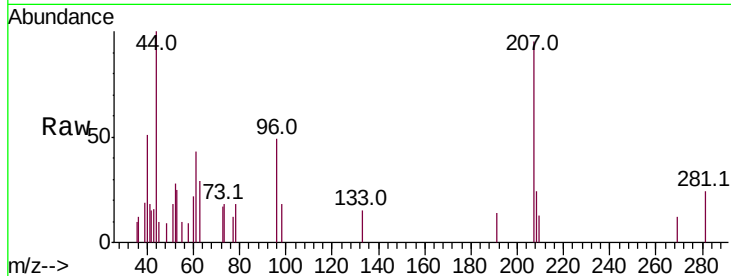
Tot Ion: 96 Resp: 888

Ion Ratio Lower Upper

96 100

61 105.3 111.2 166.8#

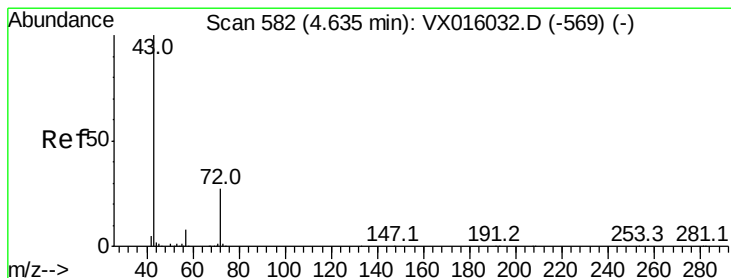
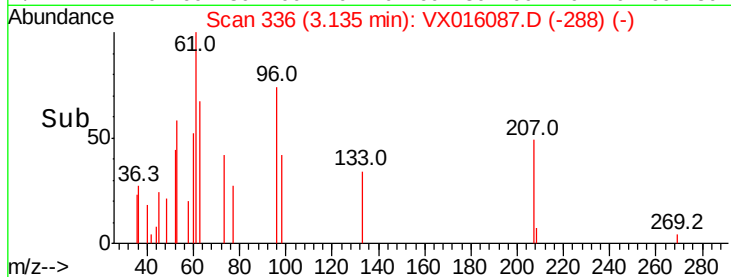
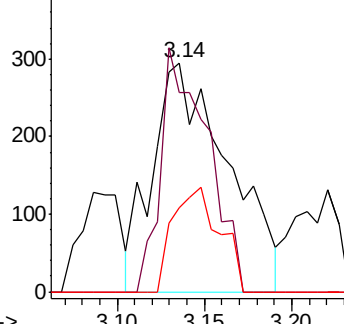
98 44.4 50.2 75.4#



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



#25

2-Butanone

Concen: 0.246 ug/l

RT: 4.62 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX016087.D

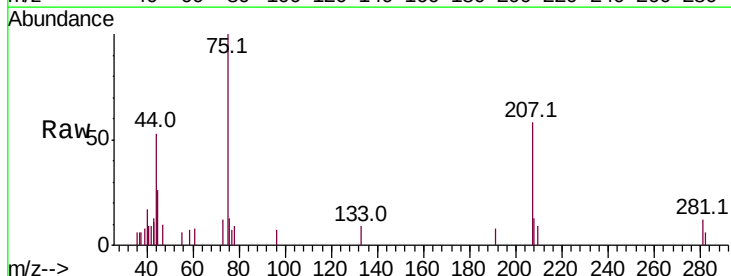
Acq: 07 May 2020 12:39

Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

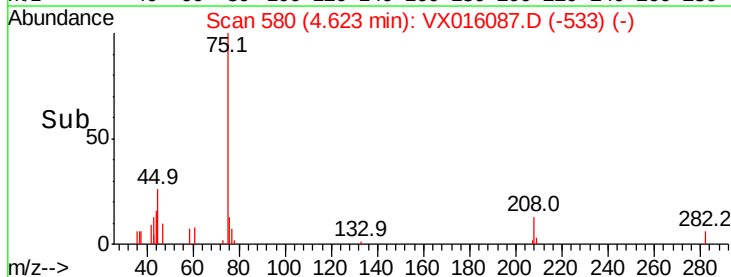
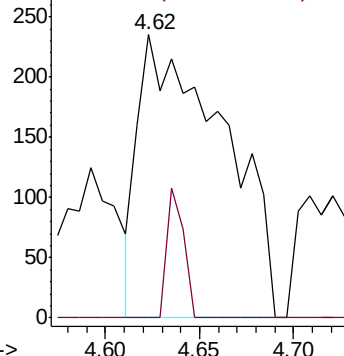
43 100

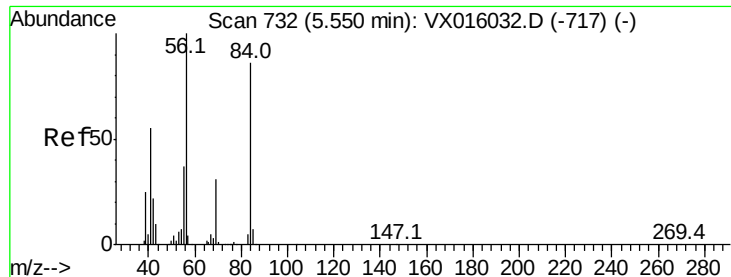
72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

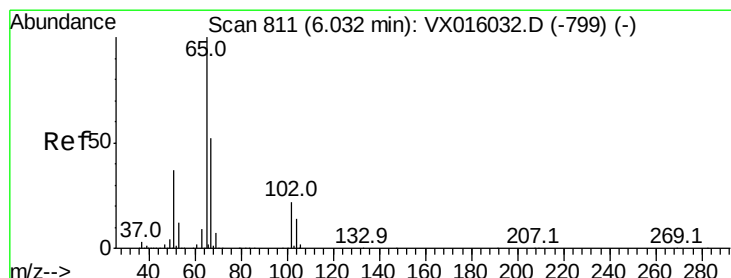
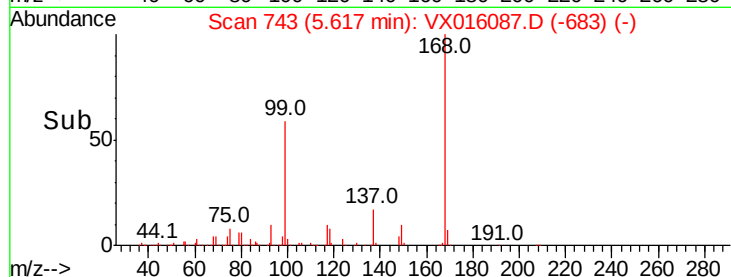
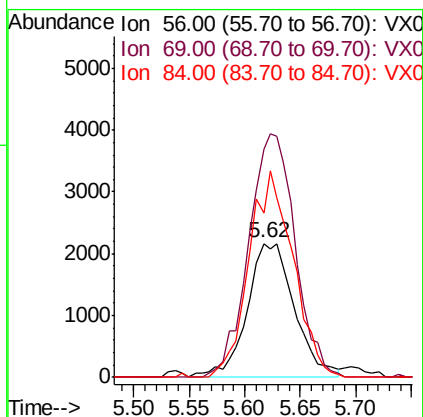
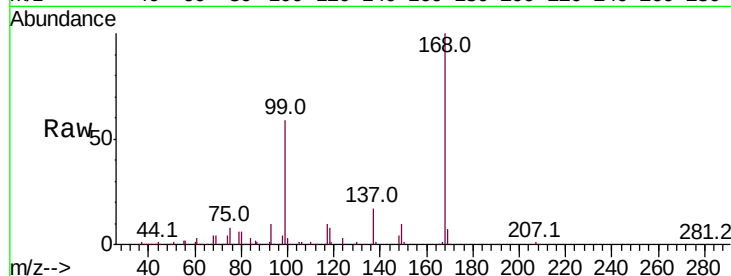




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX016087.D
Acq: 07 May 2020 12:39

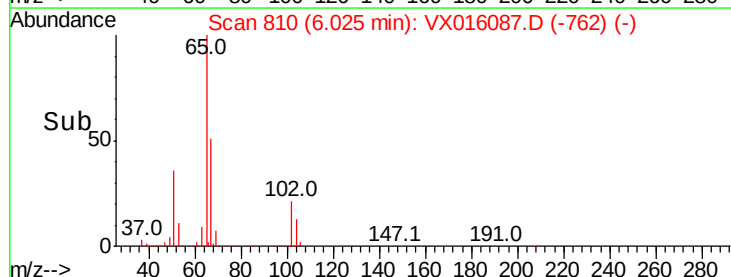
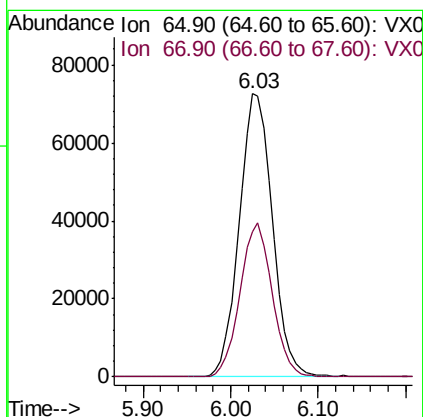
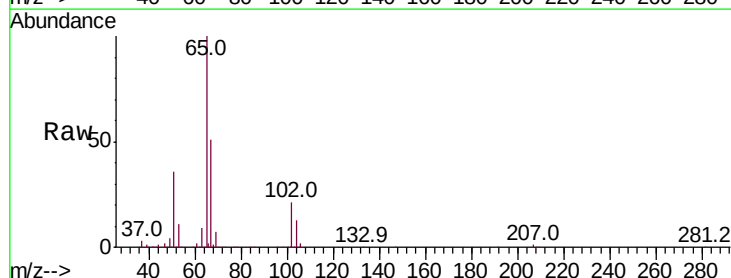
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB13-200503

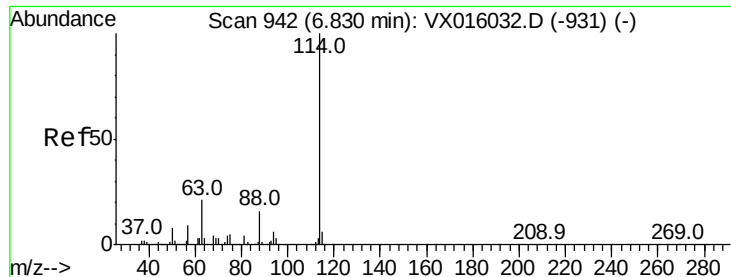
Tot Ion: 56 Resp: 6428
Ion Ratio Lower Upper
56 100
69 170.2 25.0 37.6#
84 123.2 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 45.751 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX016087.D
Acq: 07 May 2020 12:39

Tgt Ion: 65 Resp: 191149
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB13-200503

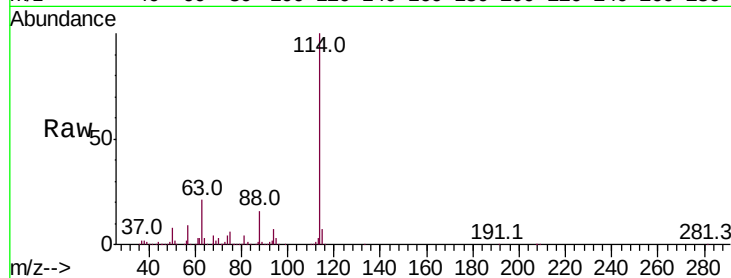
Tot Ion:114 Resp: 520303

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

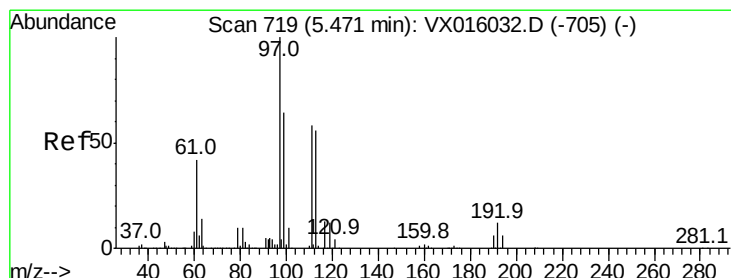
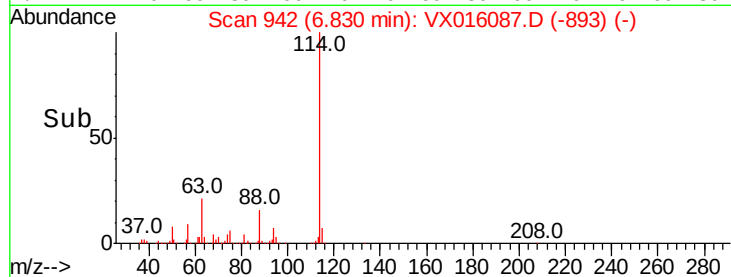
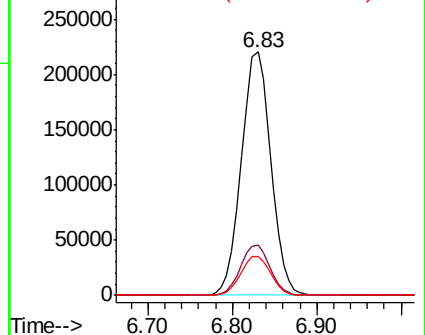
88 15.7 0.0 31.4



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: 45.938 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

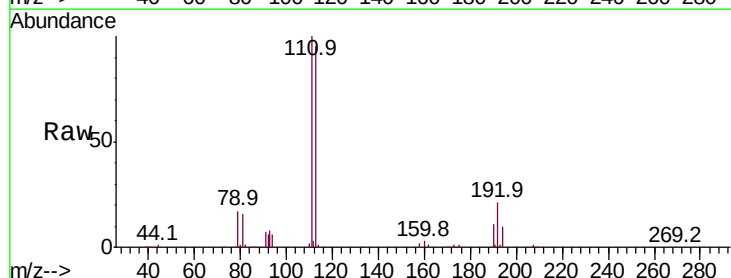
Tgt Ion:113 Resp: 151429

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

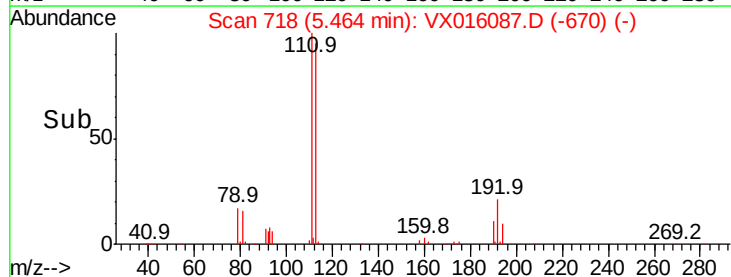
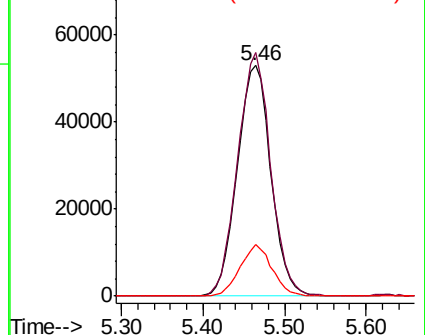
192 21.4 17.0 25.4

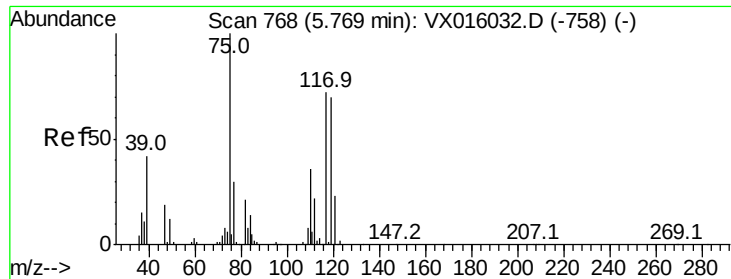


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

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ClientSampleId :

Z3-TB13-200503

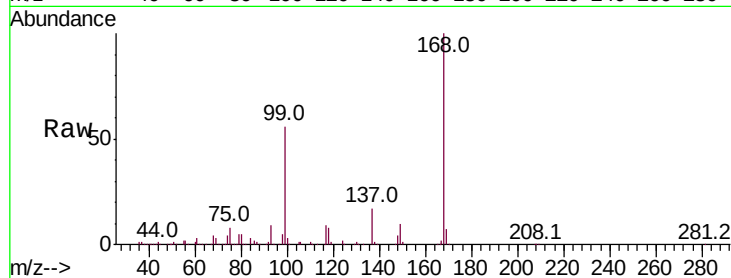
Tot Ion: 75 Resp: 24094

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

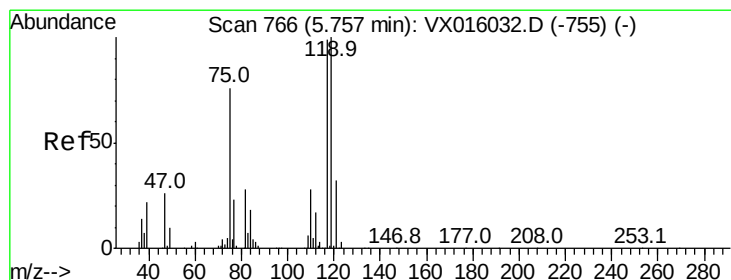
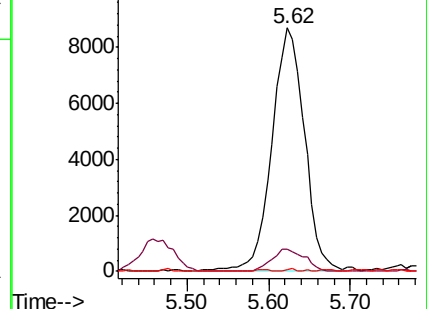
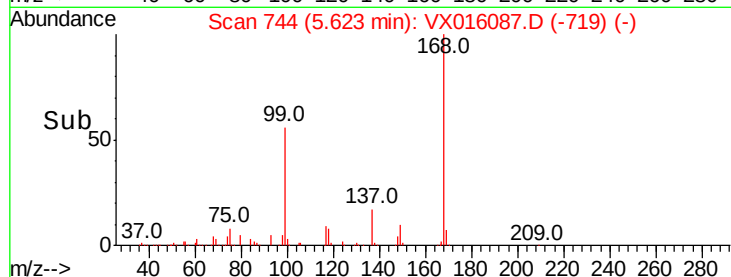
77 0.3 25.0 37.6#



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: 5.799 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

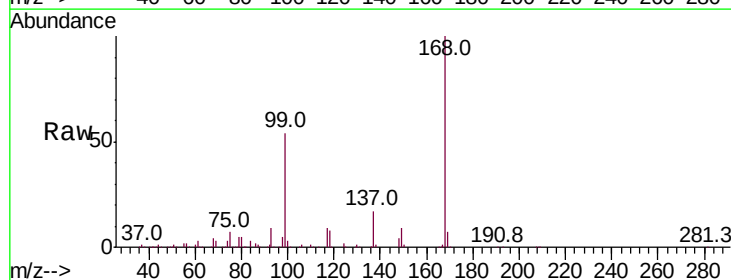
Tgt Ion: 117 Resp: 30188

Ion Ratio Lower Upper

117 100

119 5.3 80.3 120.5#

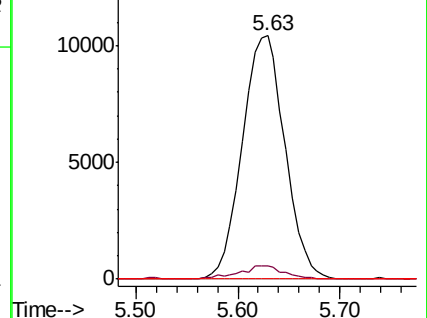
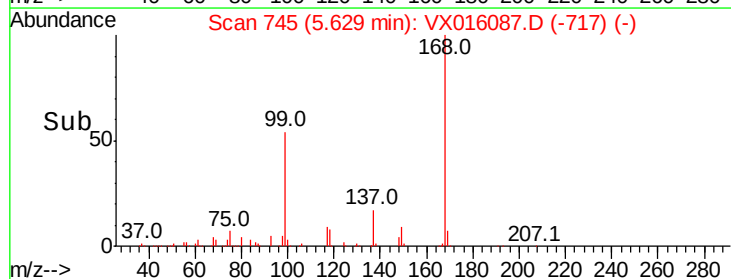
121 0.0 25.7 38.5#

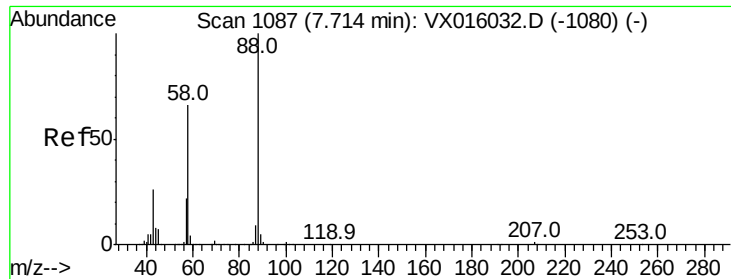


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

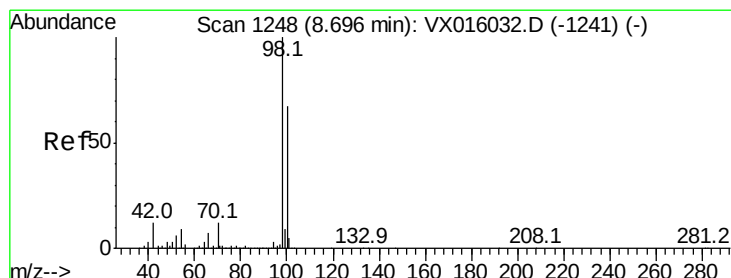
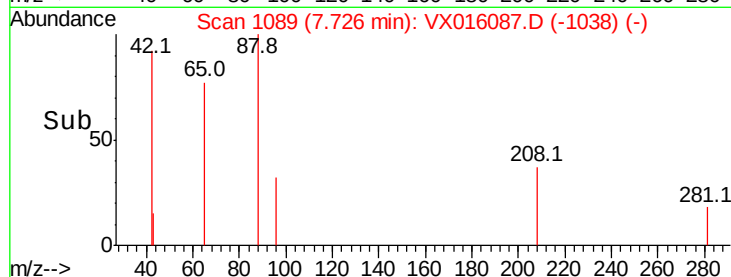
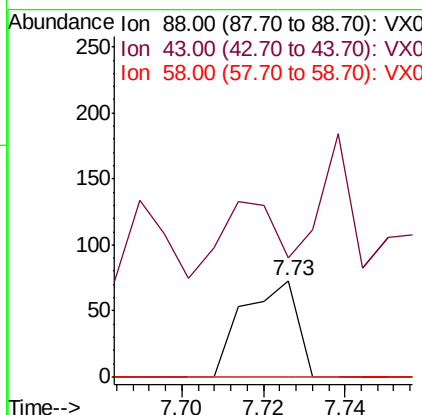
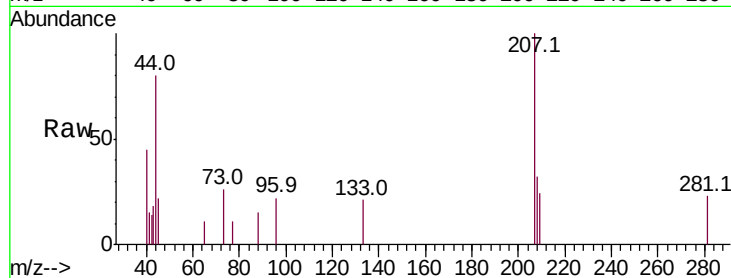




#49
 1,4-Dioxane
 Concen: 0.622 ug/l
 RT: 7.73 min Scan# 1089
 Delta R.T. 0.01 min
 Lab File: VX016087.D
 Acq: 07 May 2020 12:39

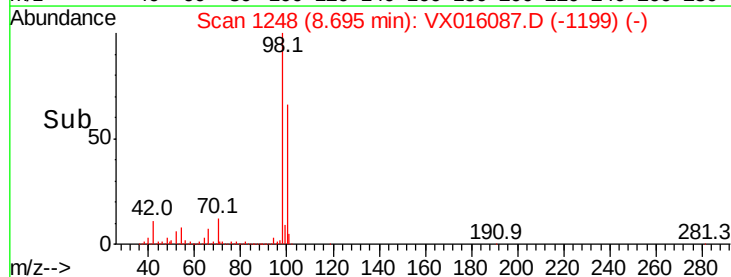
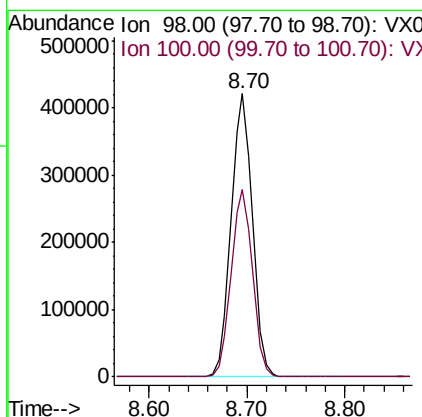
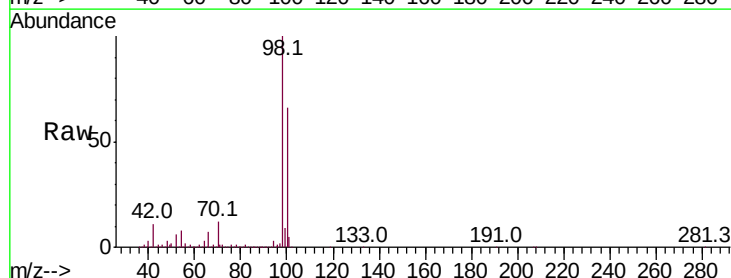
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB13-200503

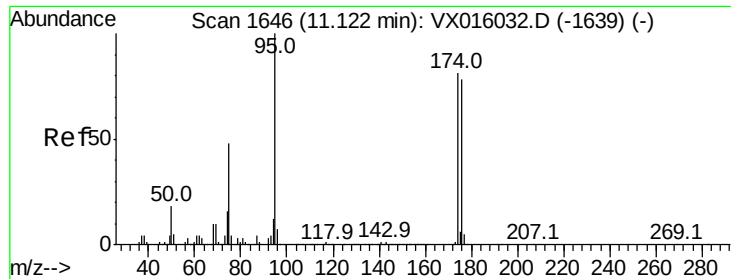
Tot Ion: 88 Resp: 67
 Ion Ratio Lower Upper
 88 100
 43 88.1 25.3 37.9#
 58 0.0 55.9 83.9#



#50
 Toluene-d8
 Concen: 50.141 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016087.D
 Acq: 07 May 2020 12:39

Tgt Ion: 98 Resp: 636838
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.7 80.5





#62

4-Bromofluorobenzene

Concen: 51.602 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB13-200503

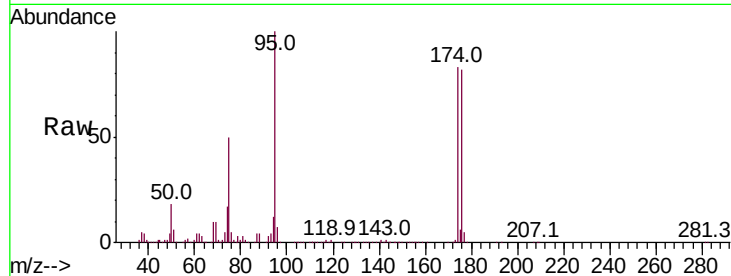
Tot Ion: 95 Resp: 249284

Ion Ratio Lower Upper

95 100

174 82.3 0.0 159.4

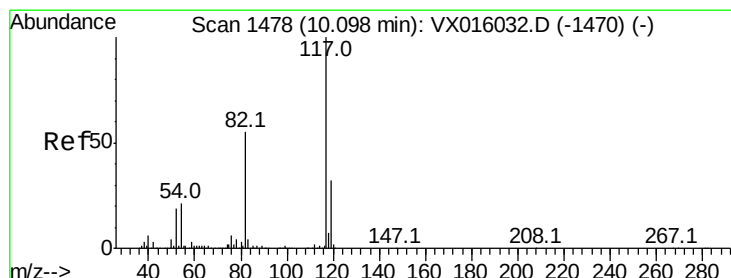
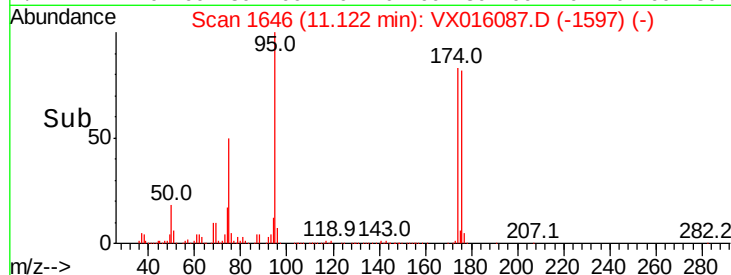
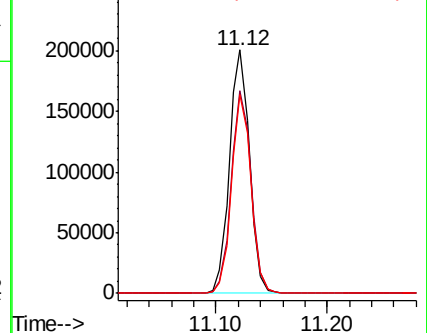
176 79.5 0.0 157.6



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: VX016087.D

Acq: 07 May 2020 12:39

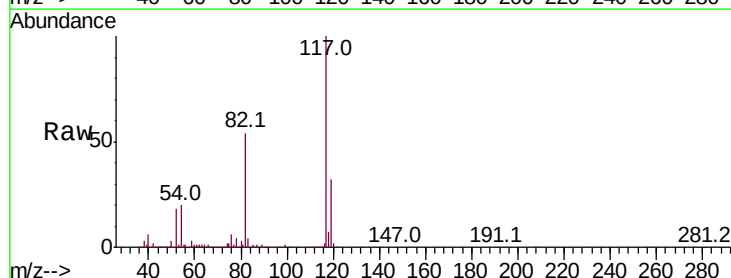
Tgt Ion: 117 Resp: 498062

Ion Ratio Lower Upper

117 100

82 53.8 44.4 66.6

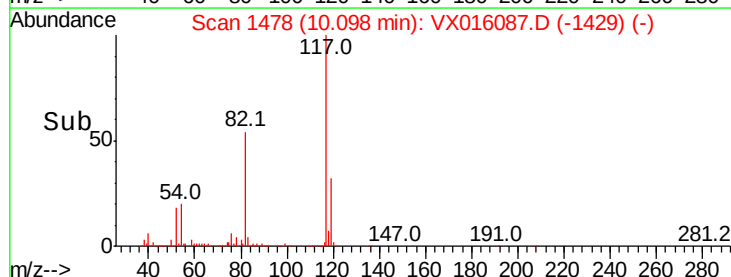
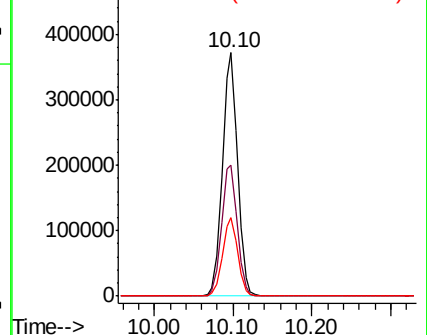
119 32.2 25.5 38.3

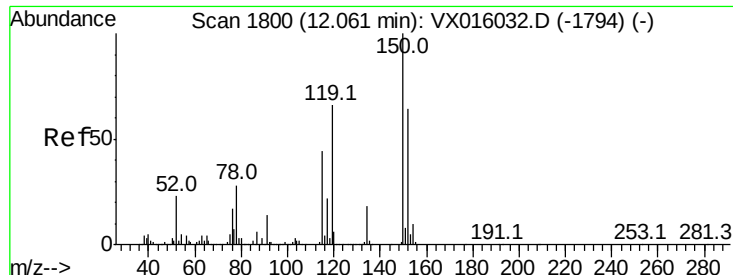


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB13-200503

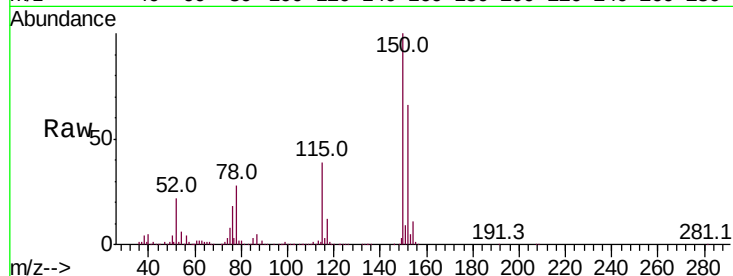
Tot Ion:152 Resp: 254932

Ion Ratio Lower Upper

152 100

115 57.7 41.3 124.1

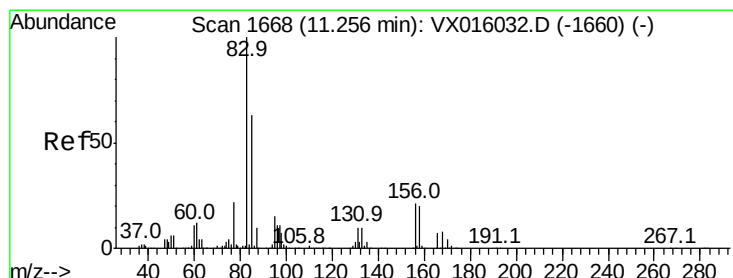
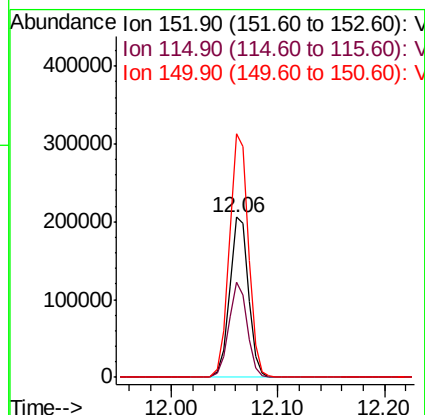
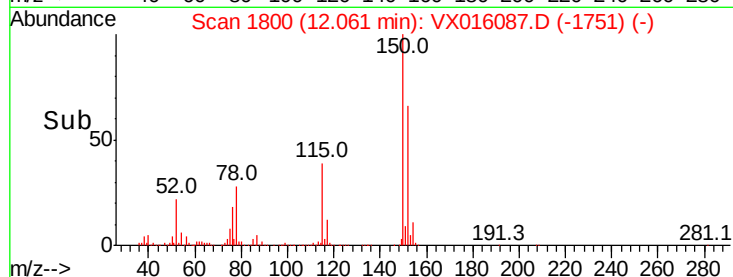
150 153.8 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.103 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

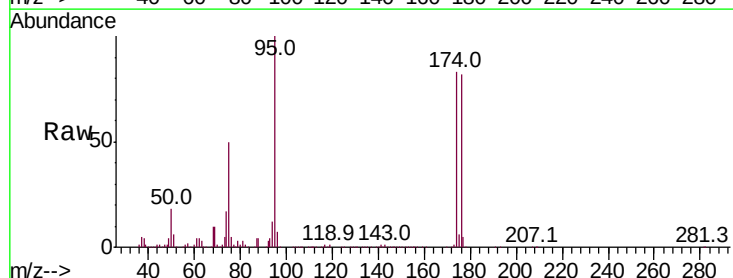
Tgt Ion: 83 Resp: 188

Ion Ratio Lower Upper

83 100

131 191.0 5.1 15.4#

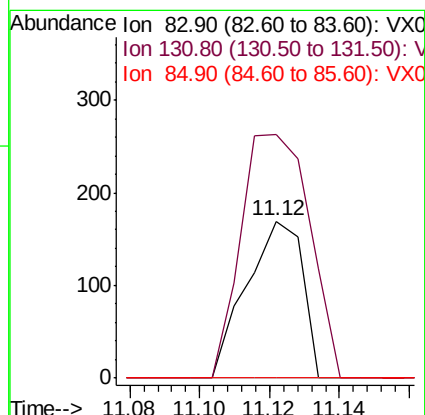
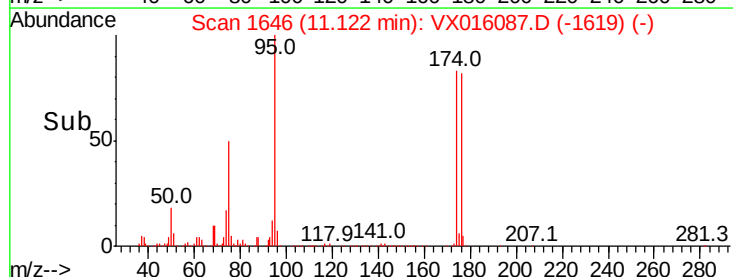
85 0.0 32.0 96.0#

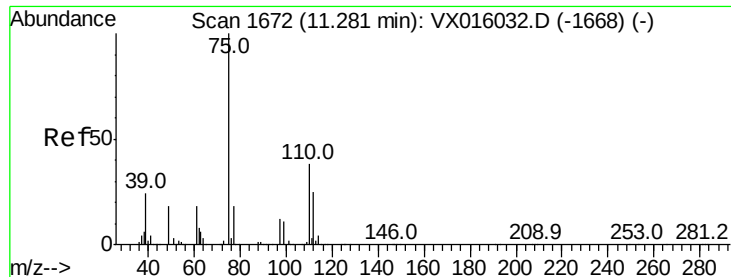


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.647 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

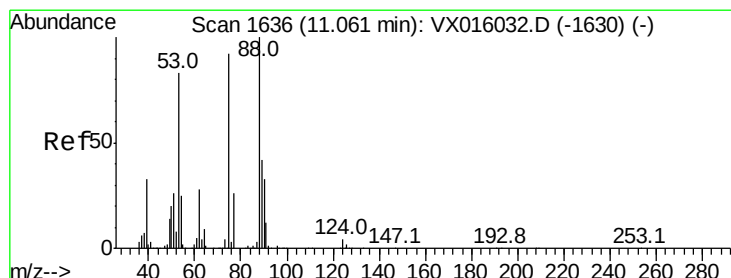
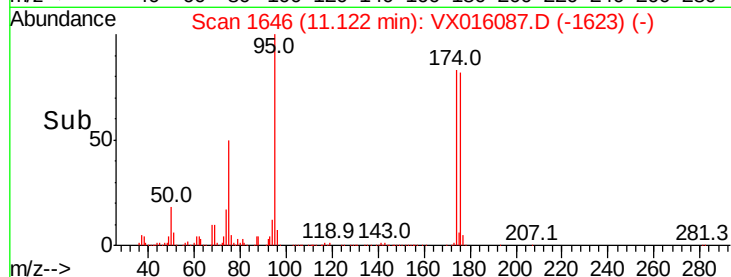
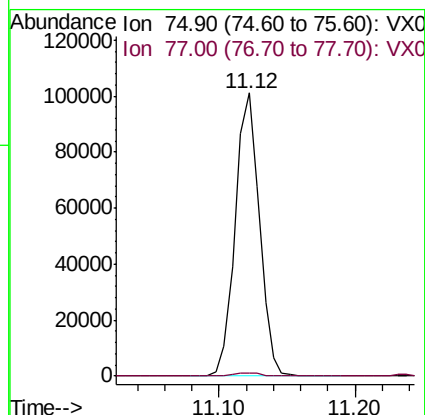
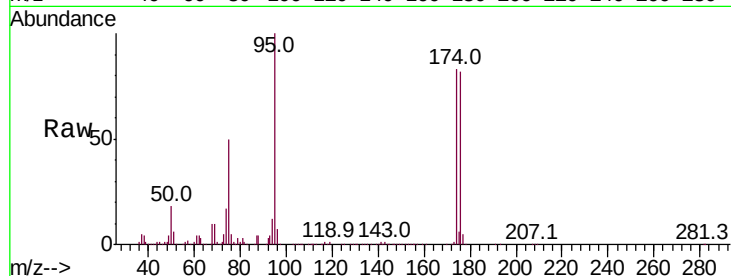
Z3-TB13-200503

Tot Ion: 75 Resp: 125228

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.587 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

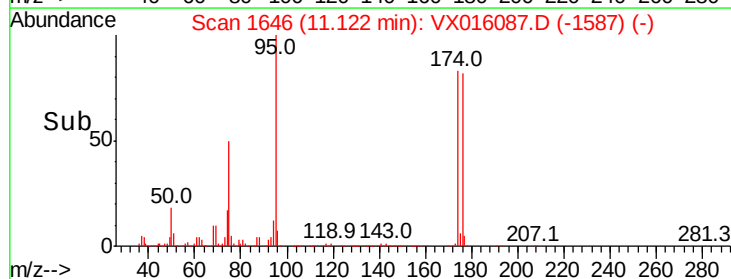
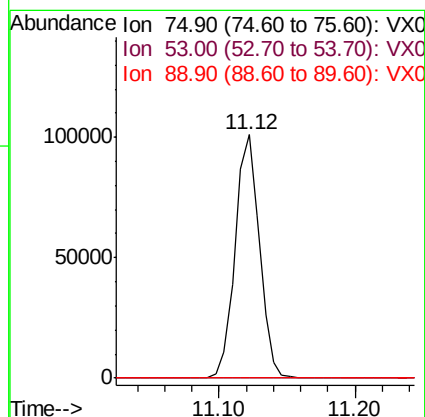
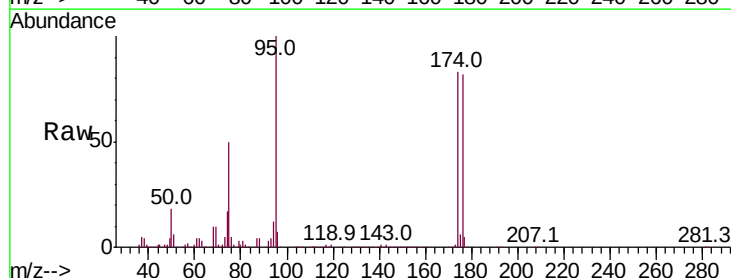
Tgt Ion: 75 Resp: 125228

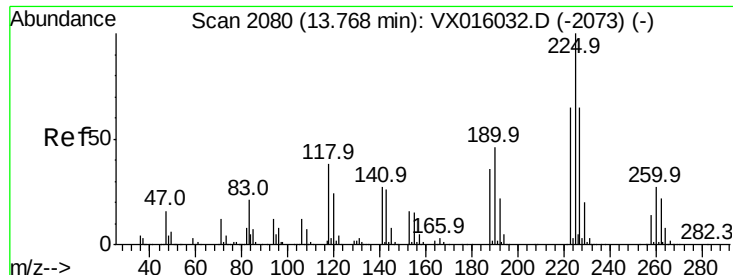
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#





#94

Hexachlorobutadiene

Concen: 0.707 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016087.D

Acq: 07 May 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB13-200503

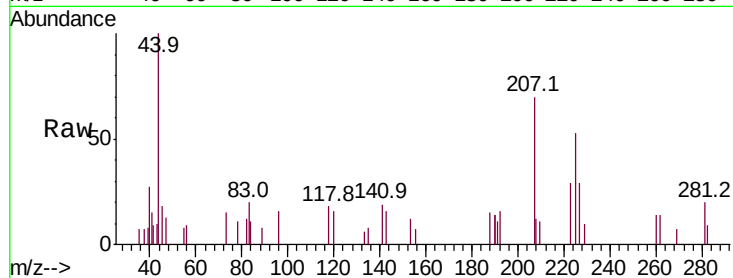
Tot Ion:225 Resp: 488

Ion Ratio Lower Upper

225 100

223 66.6 32.3 96.9

227 68.2 31.8 95.4



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

