

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015842.D
 Acq On : 22 Apr 2020 15:30
 Operator : JC/SP
 Sample : L2379-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB7-200420

Quant Time: Apr 23 04:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	900757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1377635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1335288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	735422	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	497848	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	5.47	113	402272	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	8.70	98	1677924	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.12	95	701945	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	

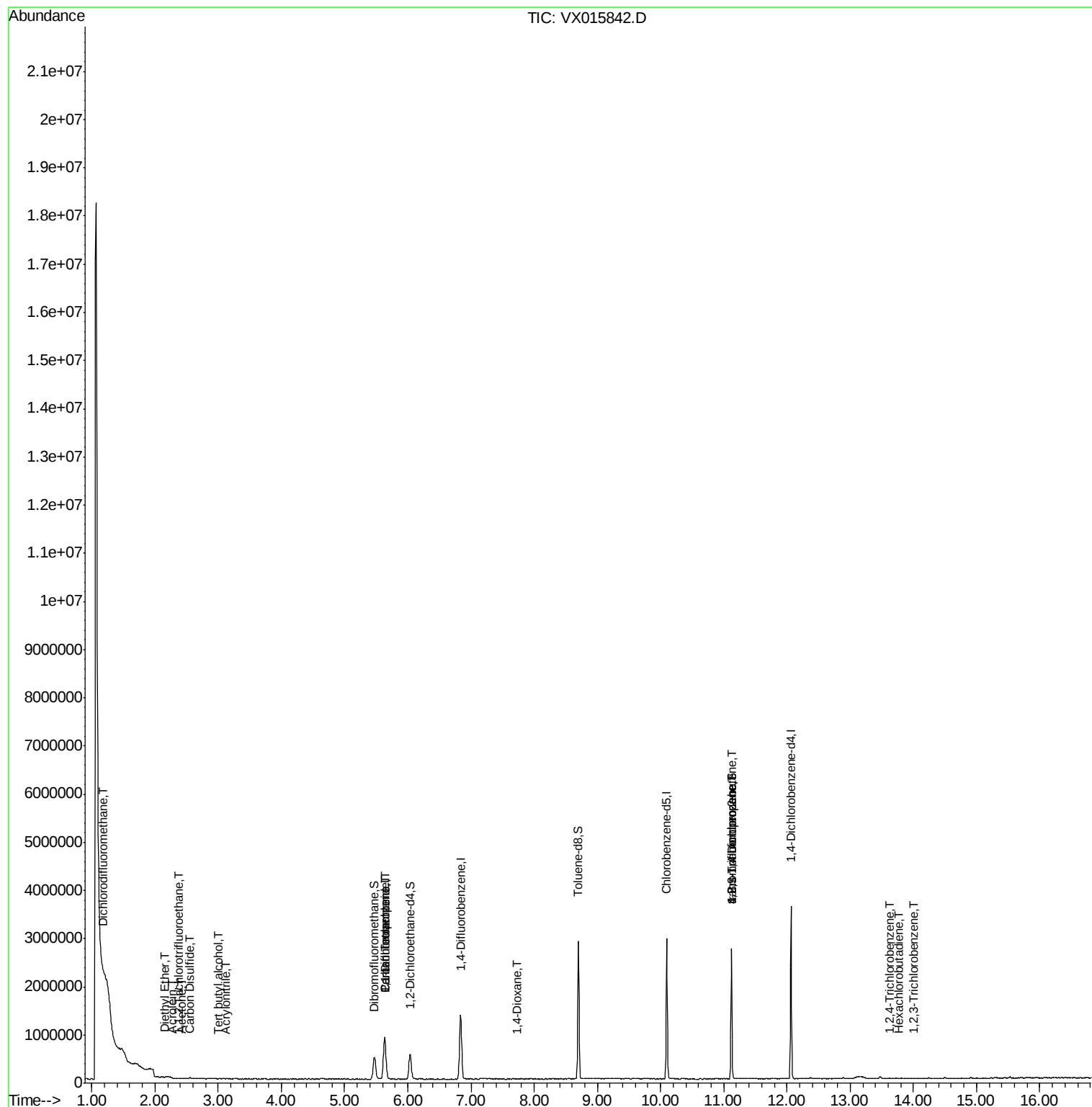
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1801	0.234	ug/l	86
8) Diethyl Ether	2.17	74	1438	0.313	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1657	0.215	ug/l	96
11) Tert butyl alcohol	3.01	59	548	0.262	ug/l #	73
13) Acrolein	2.27	56	1319	1.065	ug/l #	15
15) Acrylonitrile	3.12	53	2420	0.498	ug/l #	29
16) Acetone	2.43	43	6256	1.402	ug/l #	81
17) Carbon Disulfide	2.55	76	26917	0.939	ug/l #	95
36) 1,1-Dichloropropene	5.63	75	61449	5.031	ug/l #	51
38) Carbon Tetrachloride	5.63	117	81614	6.784	ug/l #	16
49) 1,4-Dioxane	7.72	88	1481	6.498	ug/l #	41
76) 1,2,3-Trichloropropane	11.12	75	338370	24.196	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	338370	58.204	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	4528	0.259	ug/l	94
94) Hexachlorobutadiene	13.77	225	3087	0.393	ug/l	91
96) 1,2,3-Trichlorobenzene	14.00	180	3731	0.218	ug/l	94

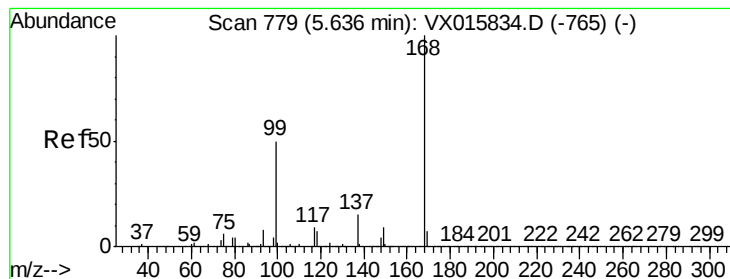
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

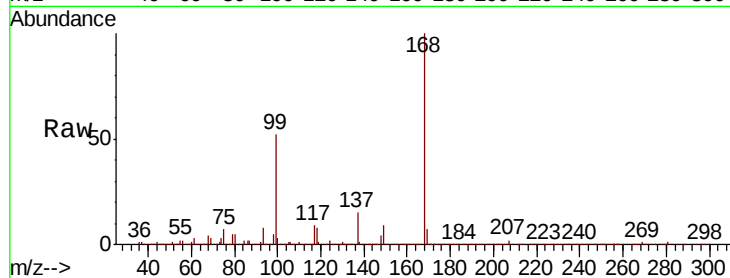
Z3-TB7-200420

Tot Ion:168 Resp: 900757

Ion Ratio Lower Upper

168 100

99 52.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

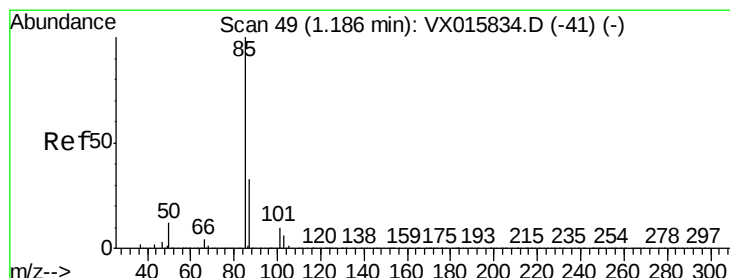
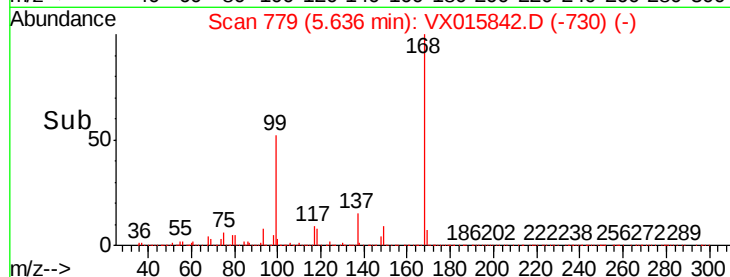
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.234 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX015842.D

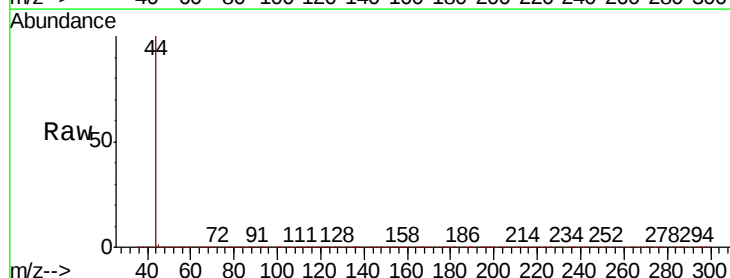
Acq: 22 Apr 2020 15:30

Tgt Ion: 85 Resp: 1801

Ion Ratio Lower Upper

85 100

87 25.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

1200

1000

800

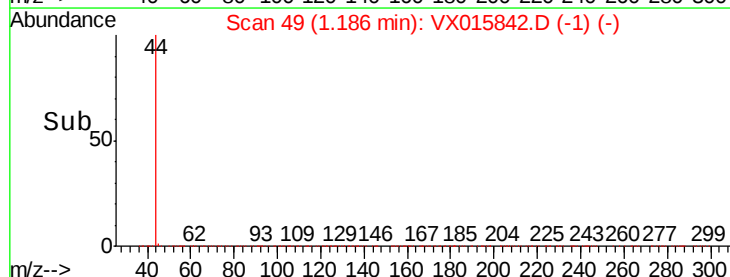
600

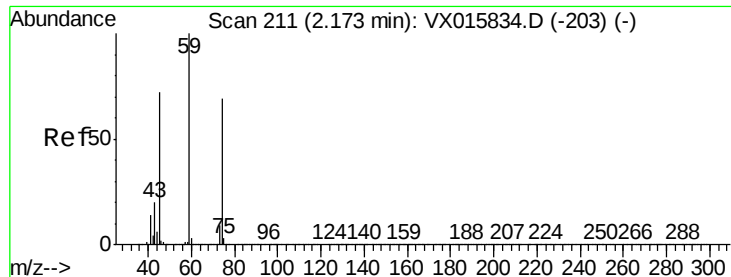
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.313 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

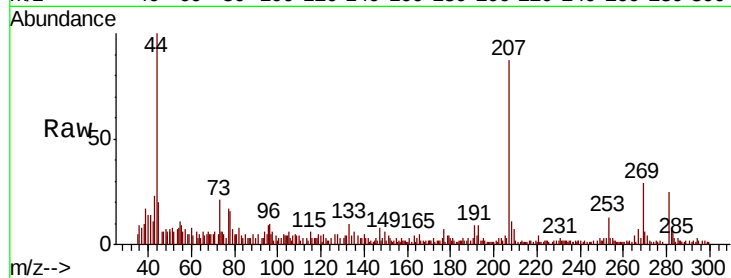
Z3-TB7-200420

Tot Ion: 74 Resp: 1438

Ion Ratio Lower Upper

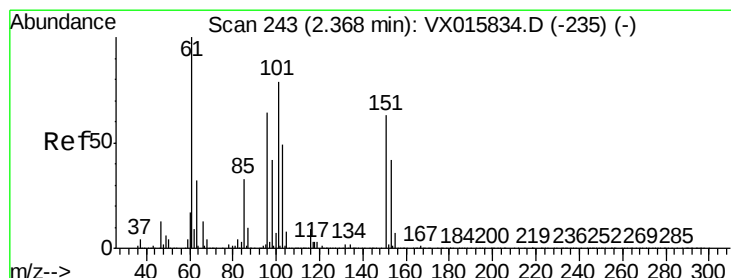
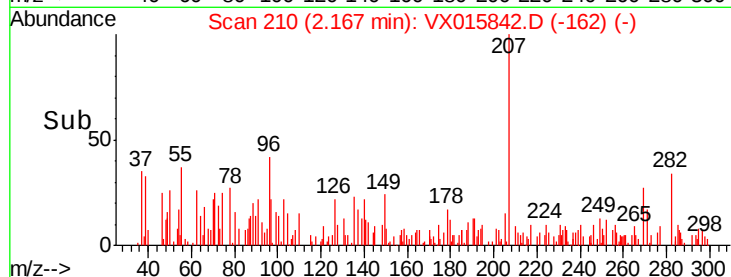
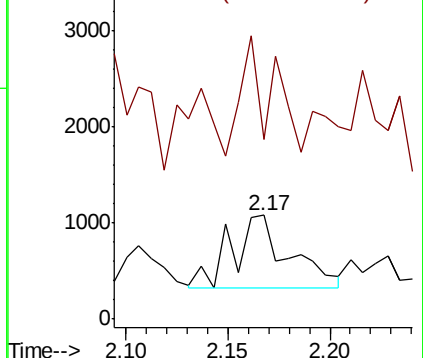
74 100

45 91.3 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.215 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

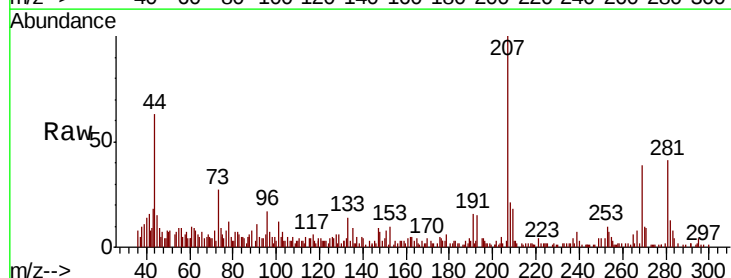
Tgt Ion:101 Resp: 1657

Ion Ratio Lower Upper

101 100

85 35.5 33.8 50.6

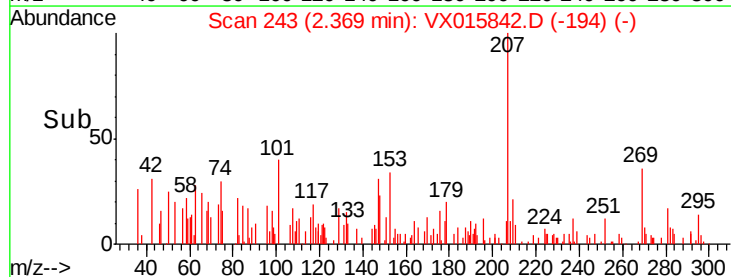
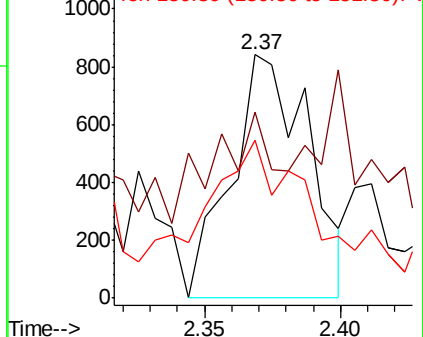
151 84.4 67.8 101.6

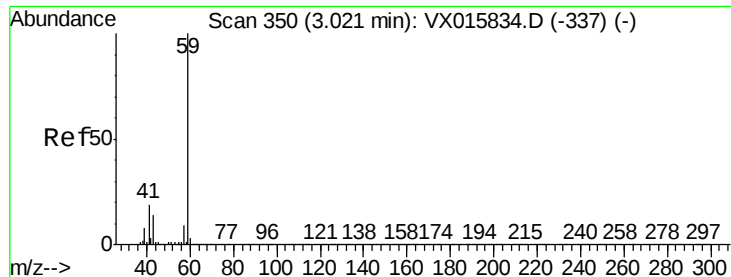


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

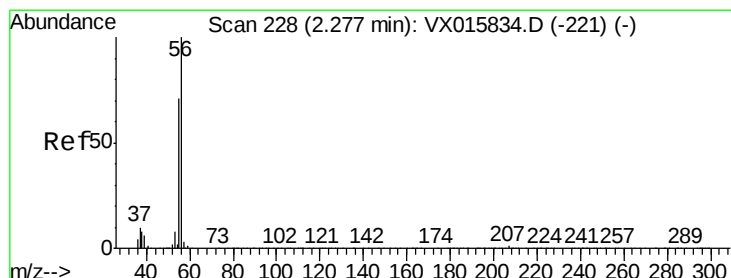
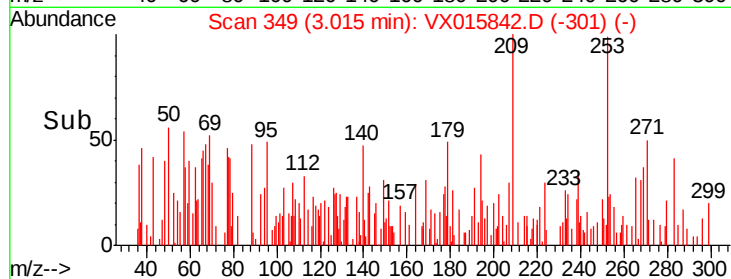
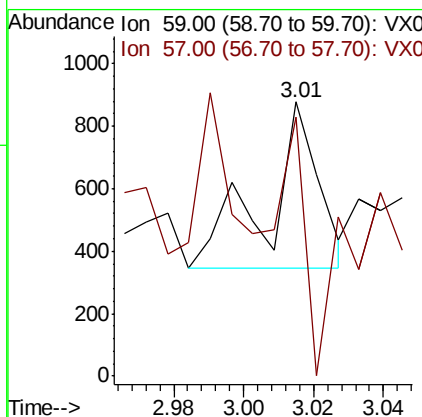
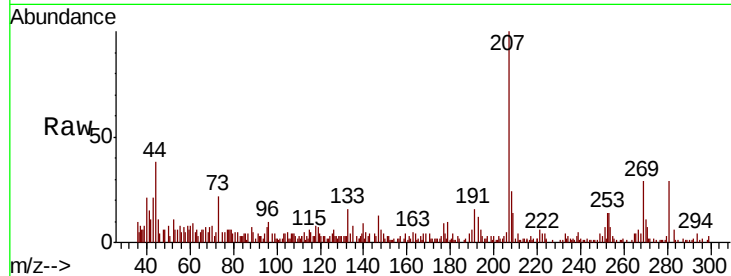




#11
Tert butyl alcohol
Concen: 0.262 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015842.D
Acq: 22 Apr 2020 15:30

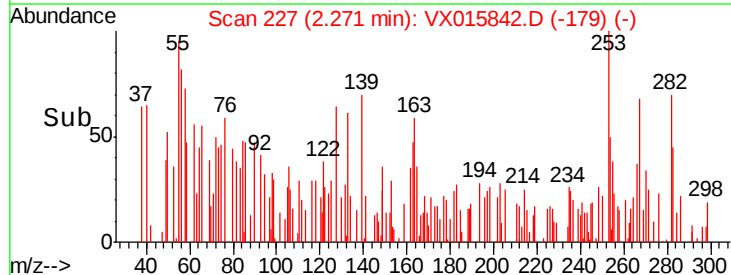
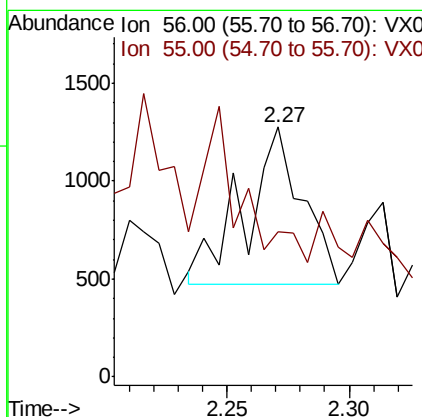
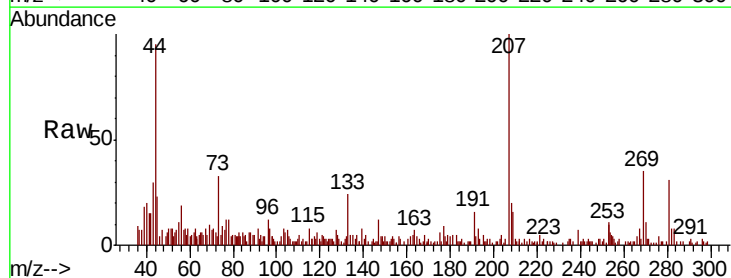
Instrument :
MSVOA_X
ClientSampled :
Z3-TB7-200420

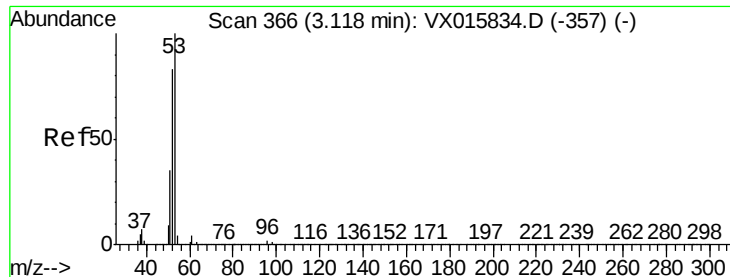
Tot Ion: 59 Resp: 548
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 1.065 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX015842.D
Acq: 22 Apr 2020 15:30

Tgt Ion: 56 Resp: 1319
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#

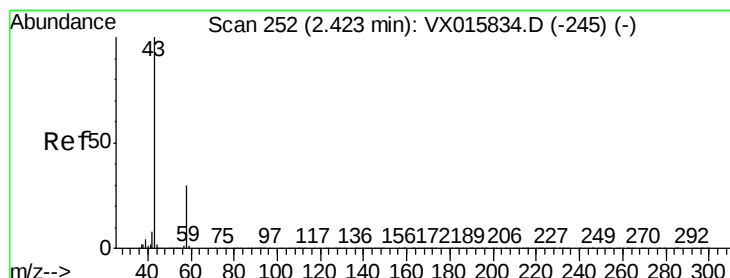
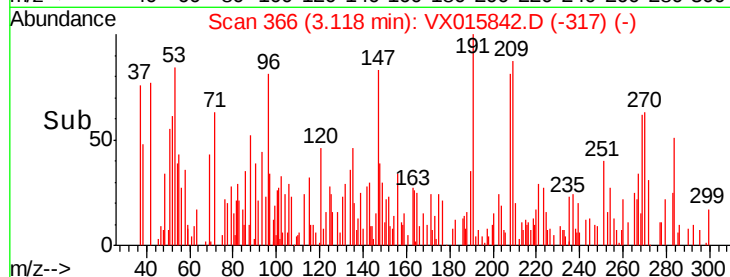
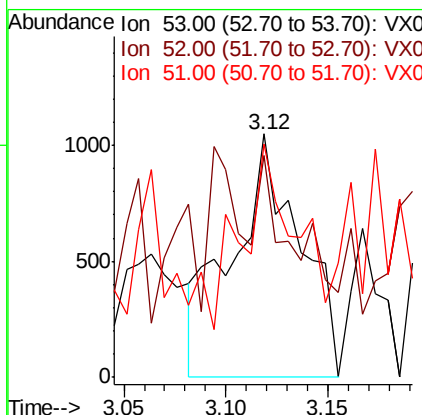
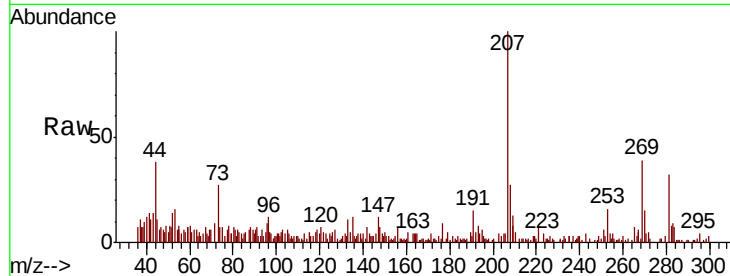




#15
 Acrylonitrile
 Concen: 0.498 ug/l
 RT: 3.12 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VX015842.D
 Acq: 22 Apr 2020 15:30

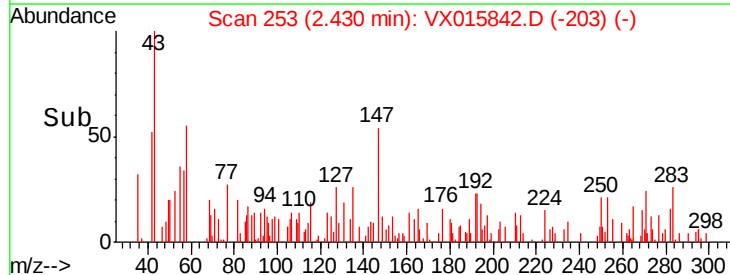
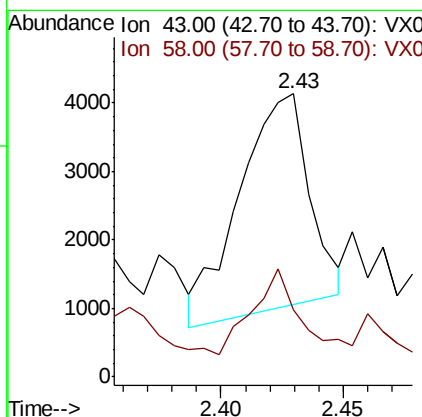
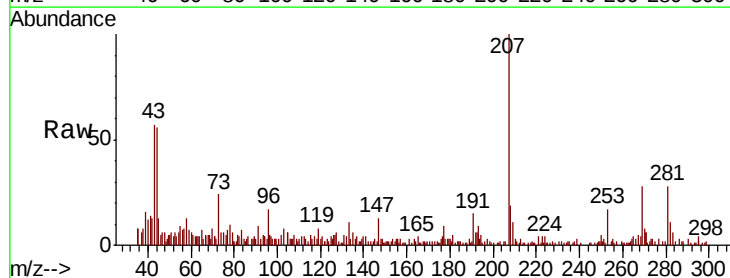
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB7-200420

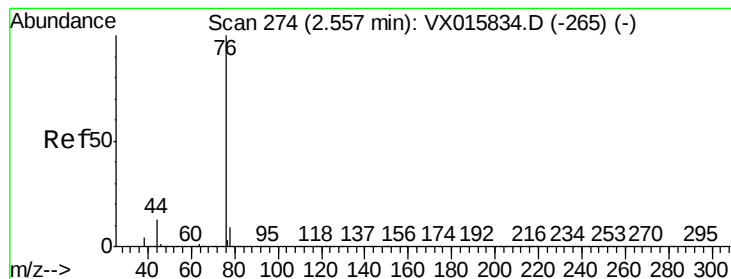
Tot Ion: 53 Resp: 2420
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.2 99.4#
 51 48.4 28.6 43.0#



#16
 Acetone
 Concen: 1.402 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.01 min
 Lab File: VX015842.D
 Acq: 22 Apr 2020 15:30

Tgt Ion: 43 Resp: 6256
 Ion Ratio Lower Upper
 43 100
 58 19.5 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.939 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

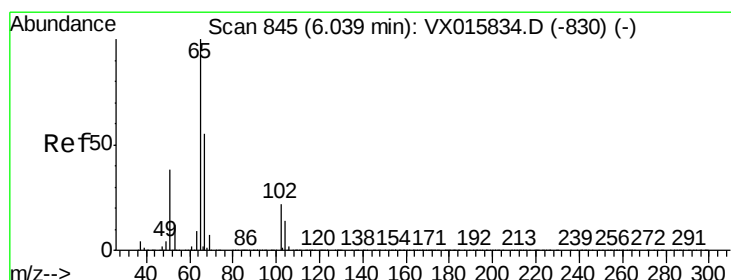
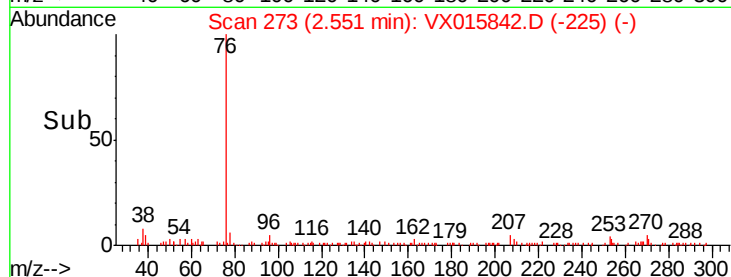
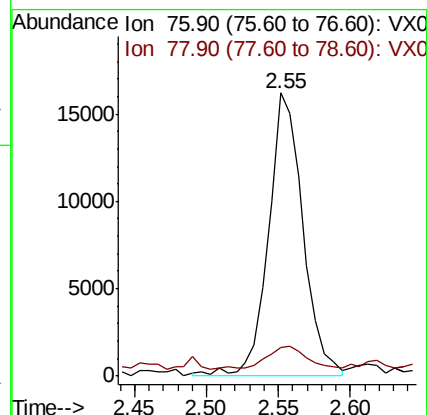
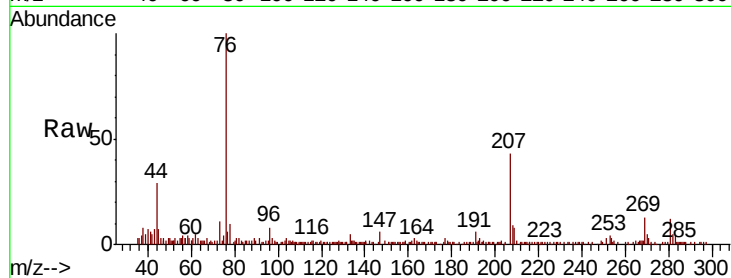
Z3-TB7-200420

Tot Ion: 76 Resp: 26917

Ion Ratio Lower Upper

76 100

78 7.4 7.4 11.2#



#33

1,2-Dichloroethane-d4

Concen: 48.595 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015842.D

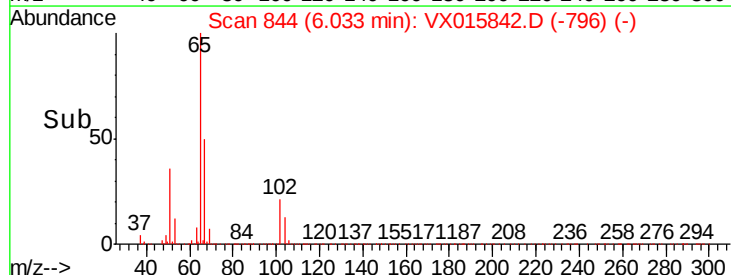
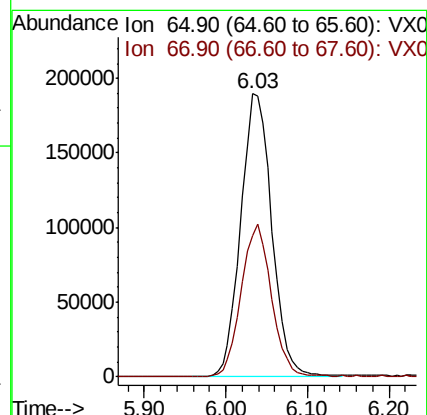
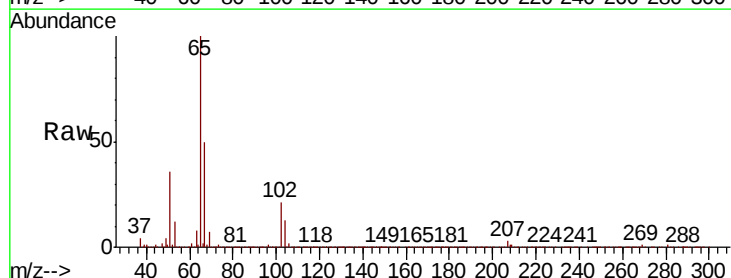
Acq: 22 Apr 2020 15:30

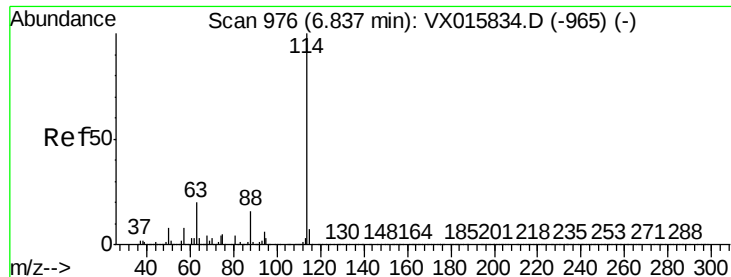
Tgt Ion: 65 Resp: 497848

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB7-200420

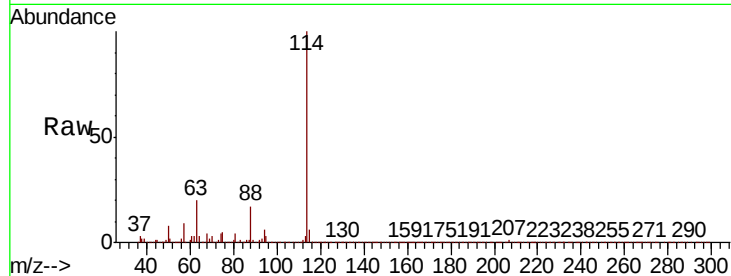
Tot Ion:114 Resp: 1377635

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

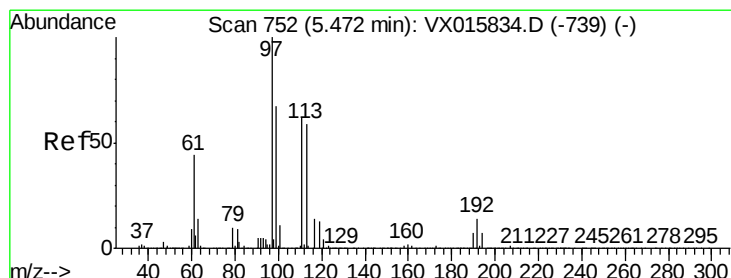
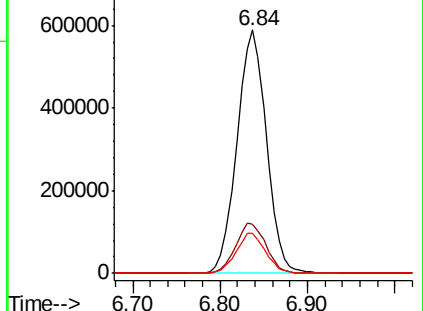
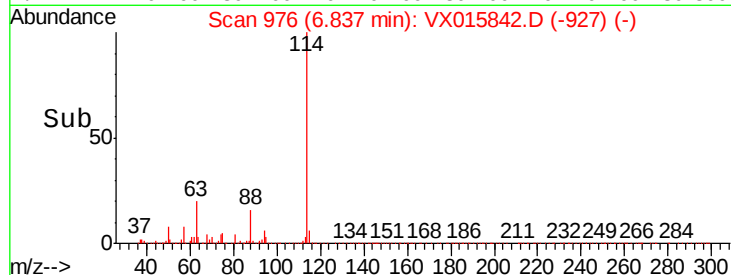
88 16.5 0.0 32.8



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: 50.587 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

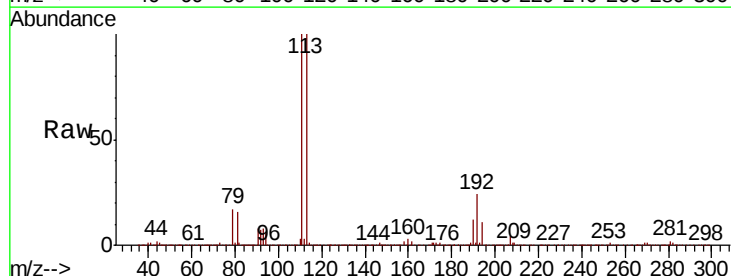
Tgt Ion:113 Resp: 402272

Ion Ratio Lower Upper

113 100

111 101.2 82.7 124.1

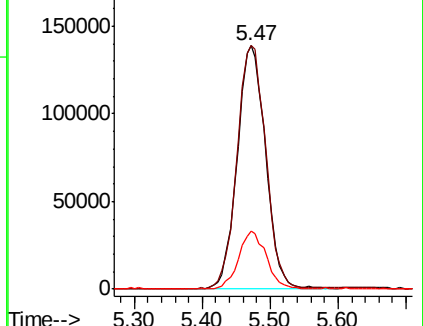
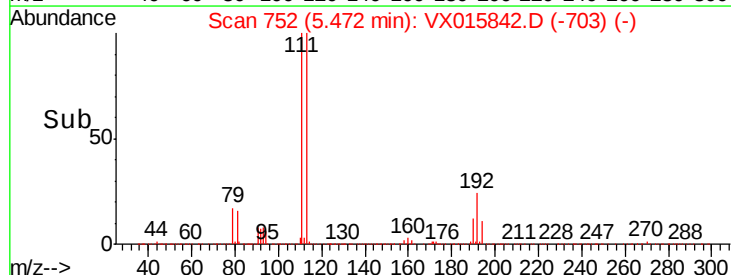
192 23.4 19.3 28.9

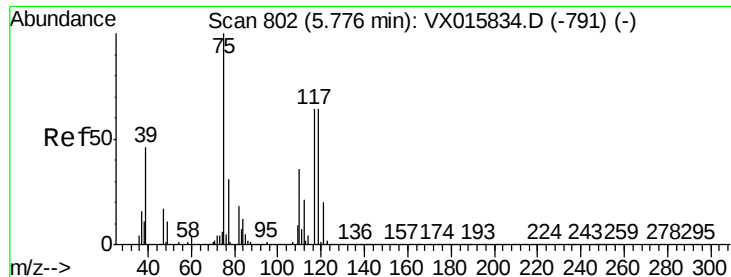


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

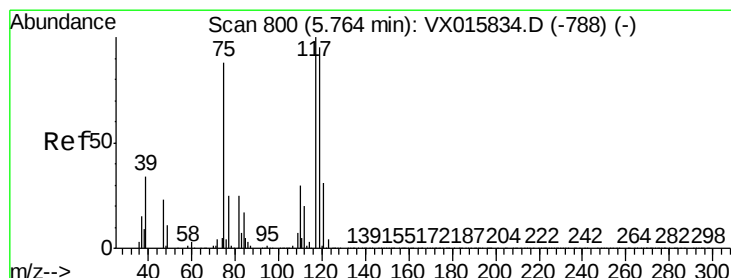
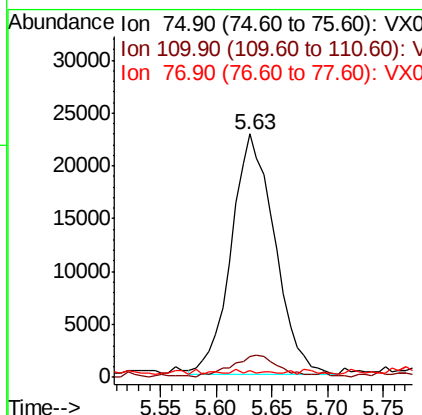
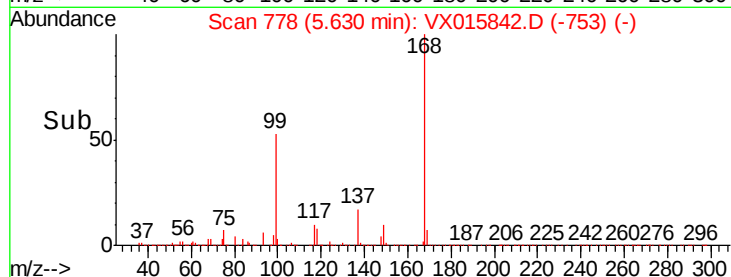
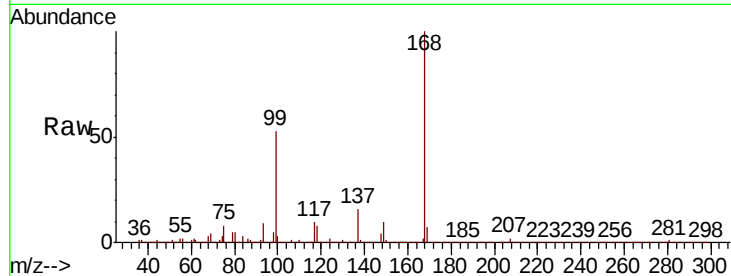




#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.15 min
 Lab File: VX015842.D
 Acq: 22 Apr 2020 15:30

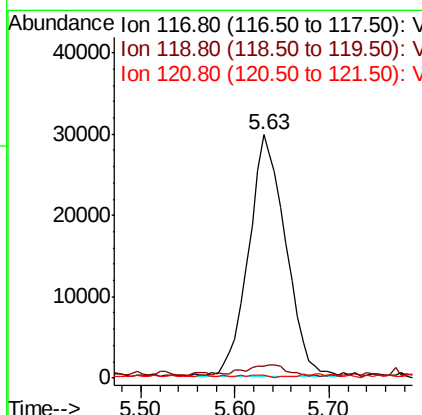
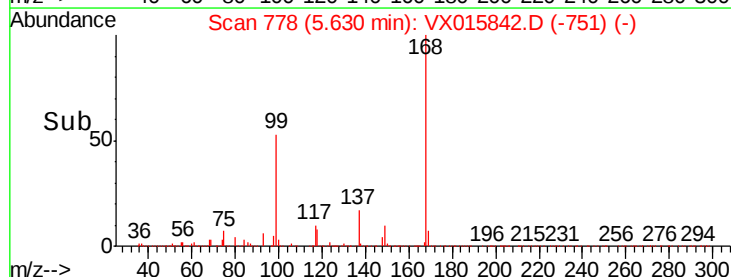
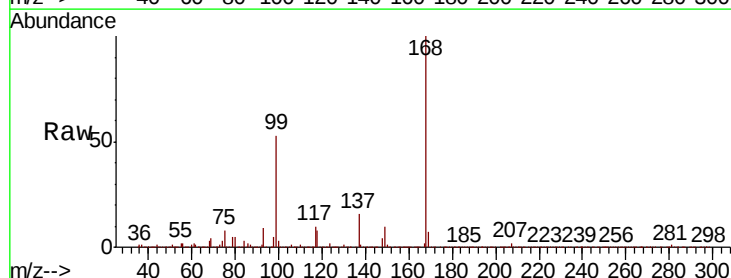
Instrument :
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 Z3-TB7-200420

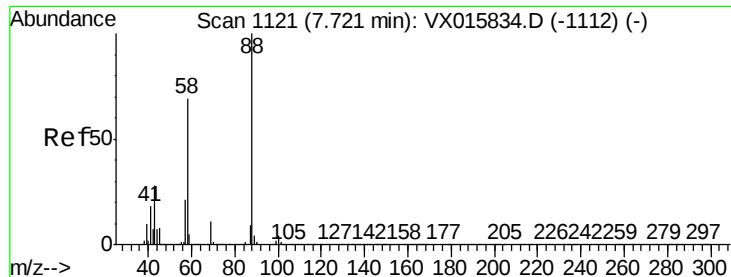
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.9	53.8#
77	1.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.784 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015842.D
 Acq: 22 Apr 2020 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.7	113.5#
121	0.6	25.0	37.6#





#49

1,4-Dioxane

Concen: 6.498 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB7-200420

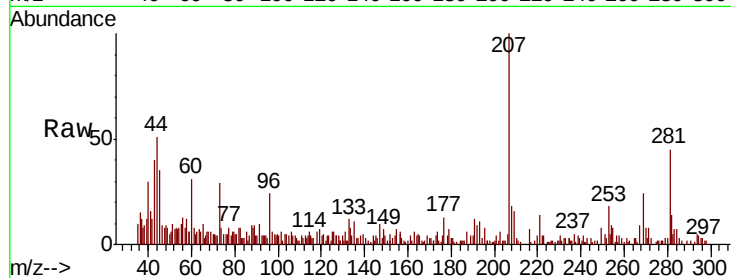
Tot Ion: 88 Resp: 1481

Ion Ratio Lower Upper

88 100

43 51.0 28.2 42.4#

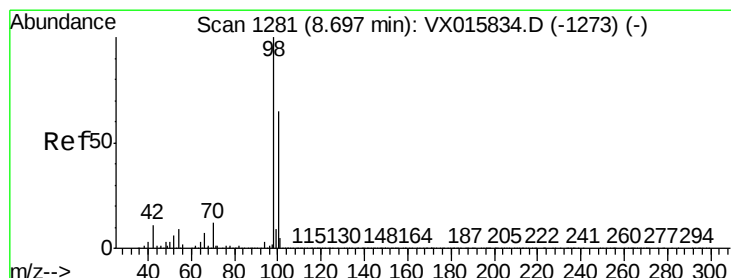
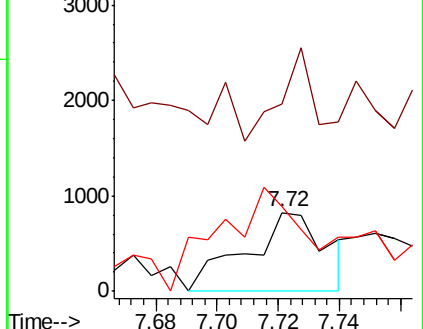
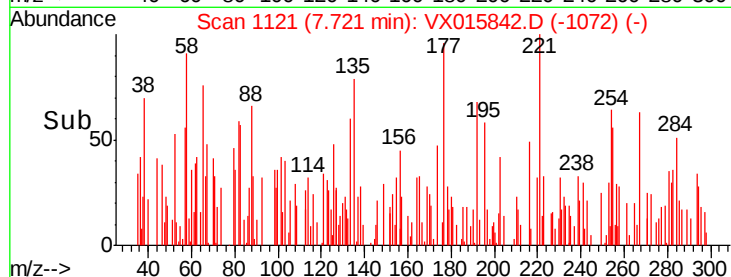
58 135.7 58.9 88.3#



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: 52.416 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015842.D

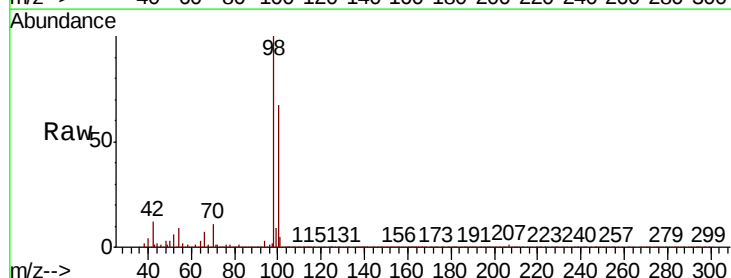
Acq: 22 Apr 2020 15:30

Tgt Ion: 98 Resp: 1677924

Ion Ratio Lower Upper

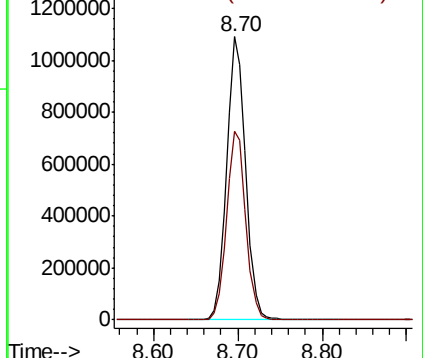
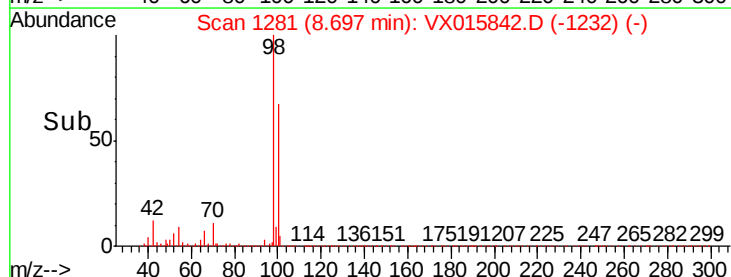
98 100

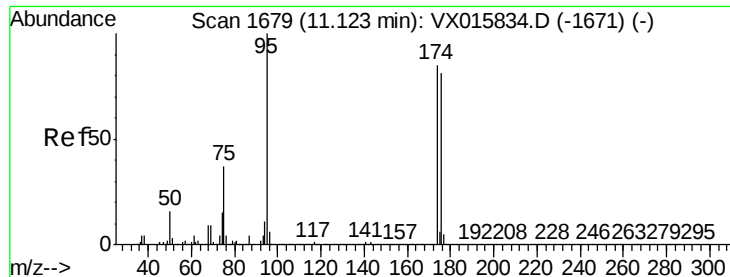
100 67.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.452 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB7-200420

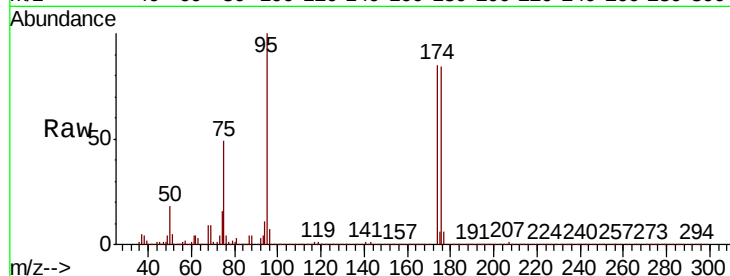
Tot Ion: 95 Resp: 701945

Ion Ratio Lower Upper

95 100

174 84.4 0.0 172.4

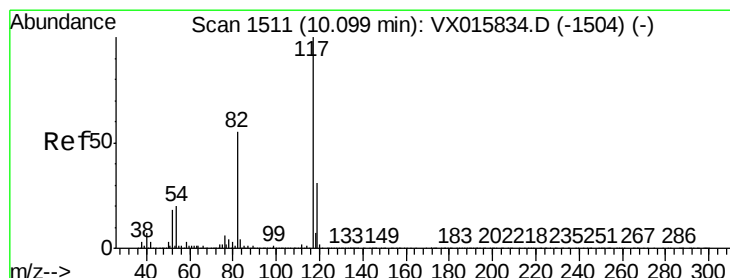
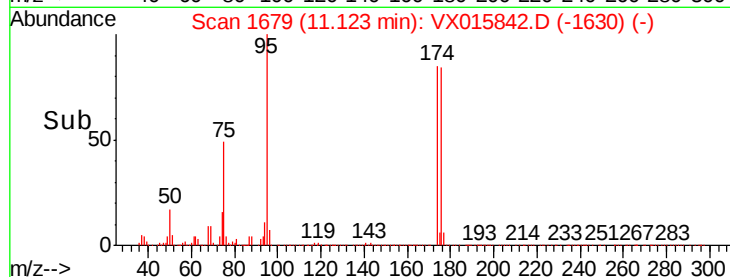
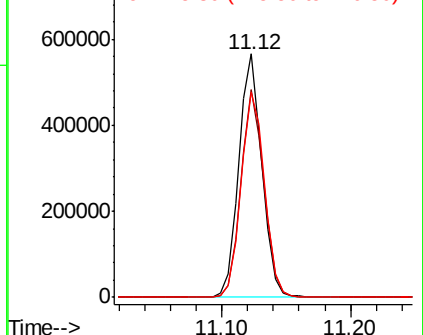
176 85.0 0.0 167.0



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# 1511

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

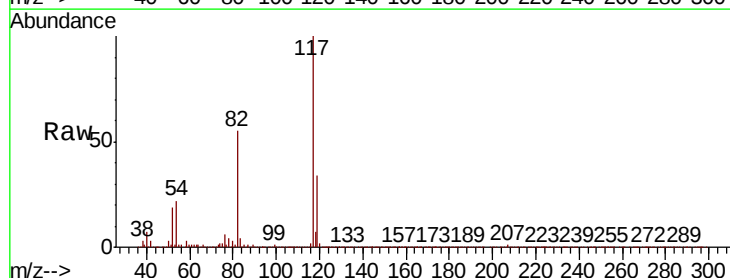
Tgt Ion: 117 Resp: 1335288

Ion Ratio Lower Upper

117 100

82 55.3 43.9 65.9

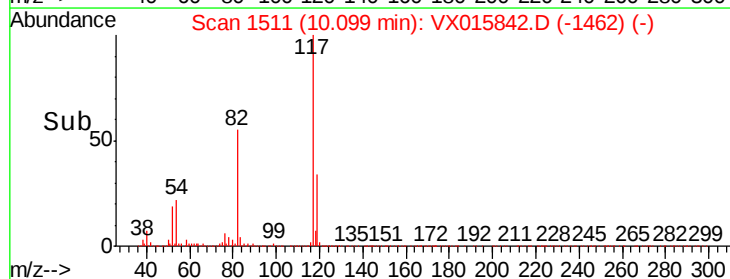
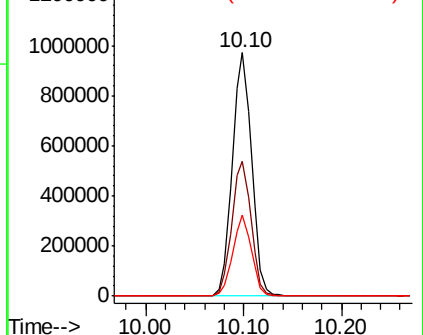
119 33.5 25.1 37.7

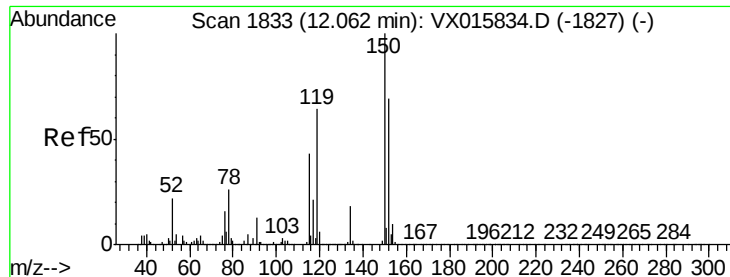


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1833

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB7-200420

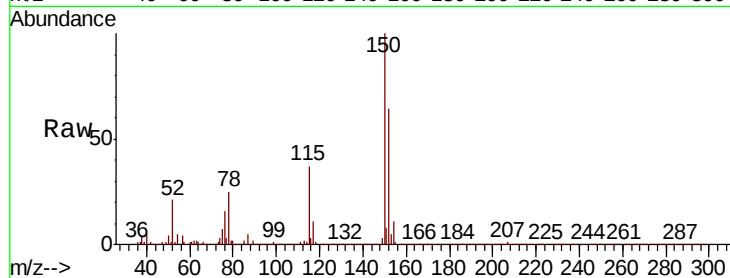
Tot Ion:152 Resp: 735422

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

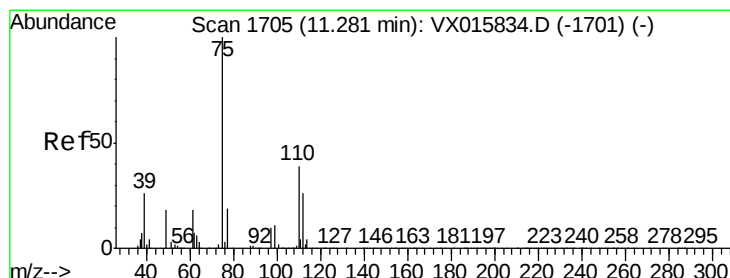
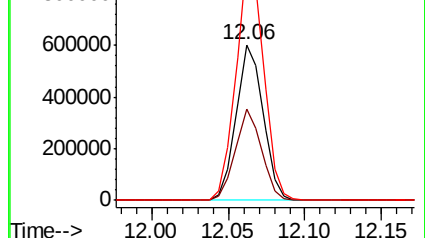
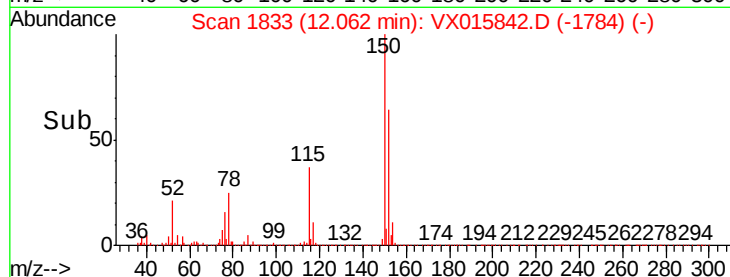
150 156.5 0.0 336.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.196 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015842.D

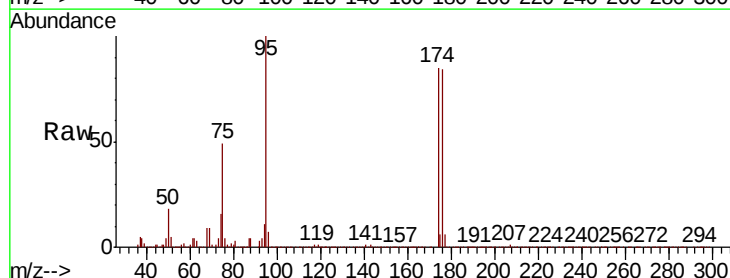
Acq: 22 Apr 2020 15:30

Tgt Ion: 75 Resp: 338370

Ion Ratio Lower Upper

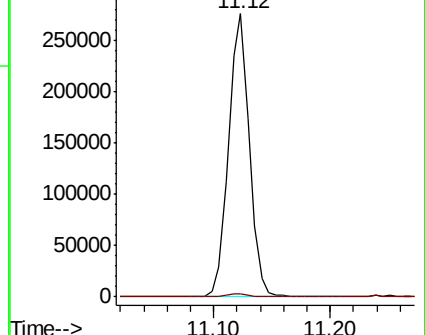
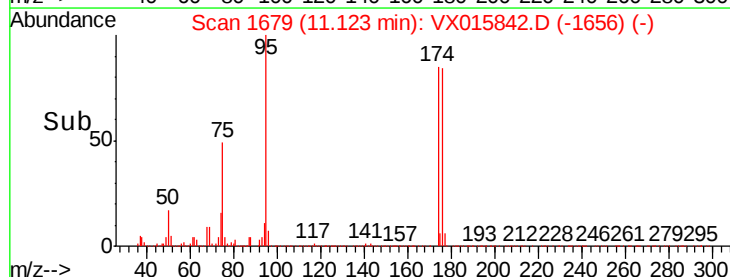
75 100

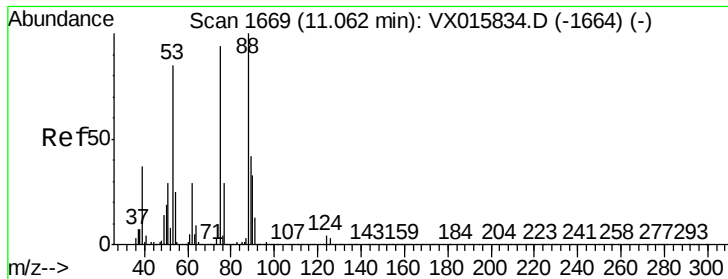
77 1.3 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.204 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB7-200420

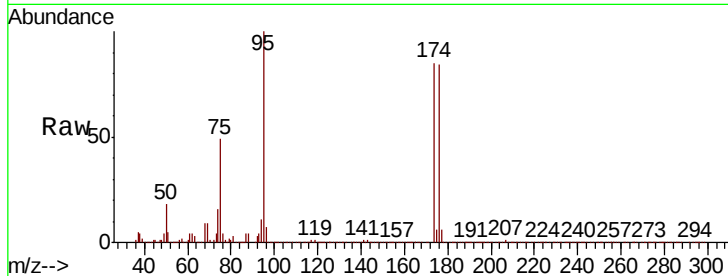
Tot Ion: 75 Resp: 338370

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

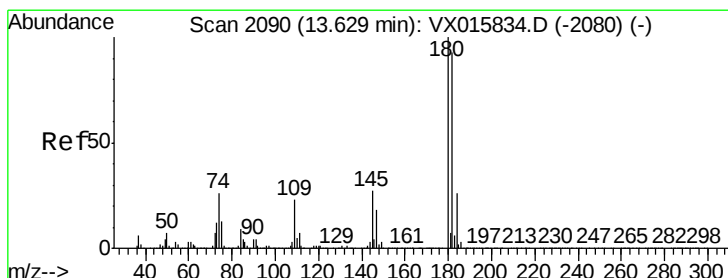
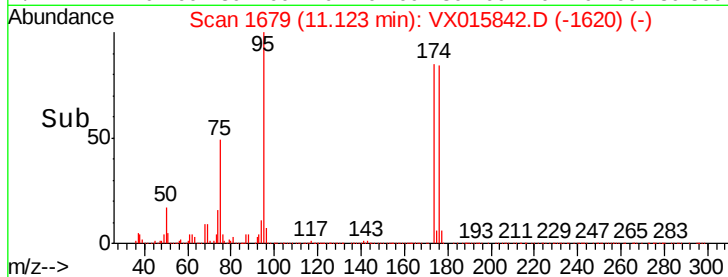
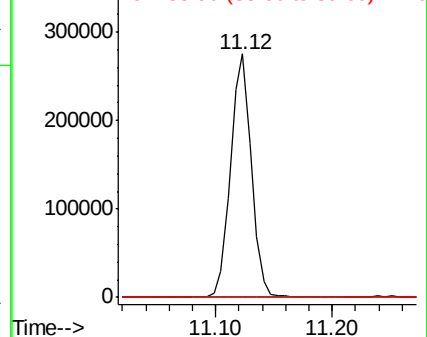
89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#93

1,2,4-Trichlorobenzene

Concen: 0.259 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

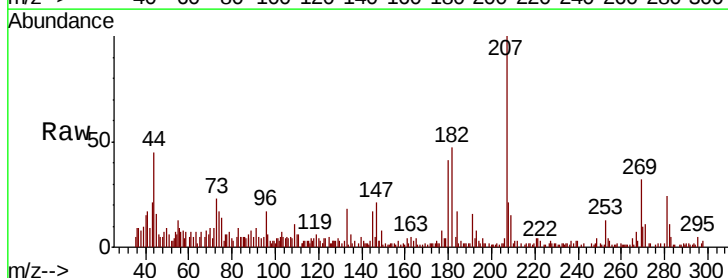
Tgt Ion:180 Resp: 4528

Ion Ratio Lower Upper

180 100

182 100.2 47.7 143.1

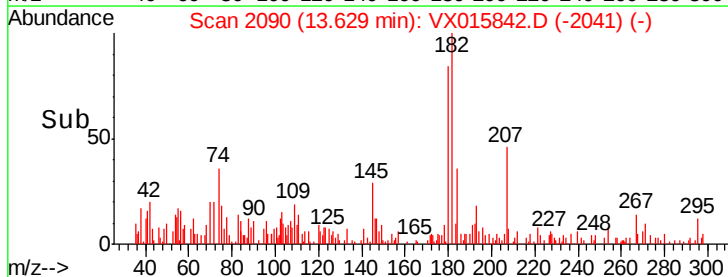
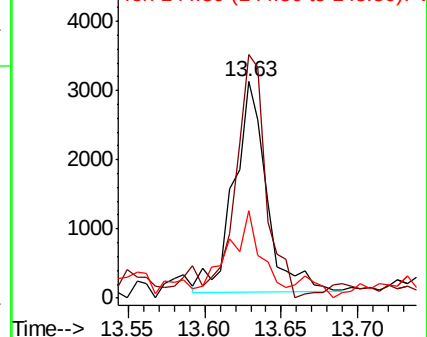
145 33.8 14.5 43.5

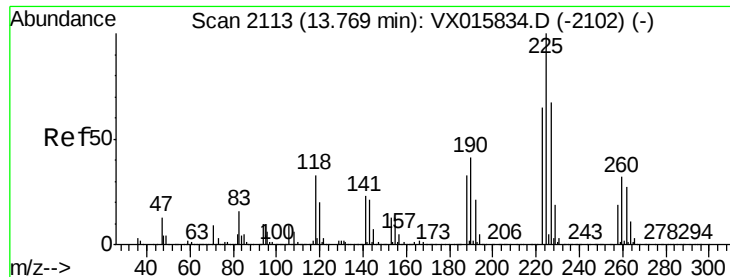


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.393 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB7-200420

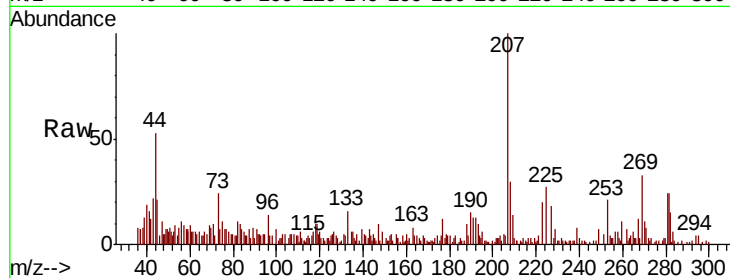
Tot Ion:225 Resp: 3087

Ion Ratio Lower Upper

225 100

223 52.4 31.3 93.8

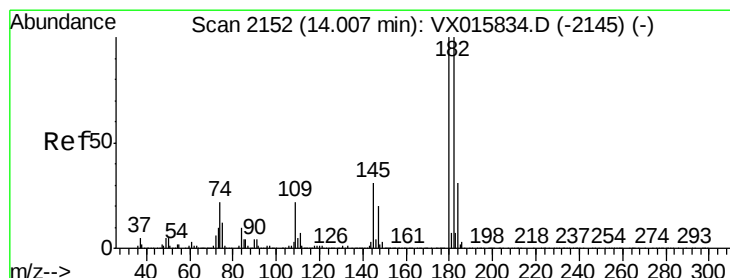
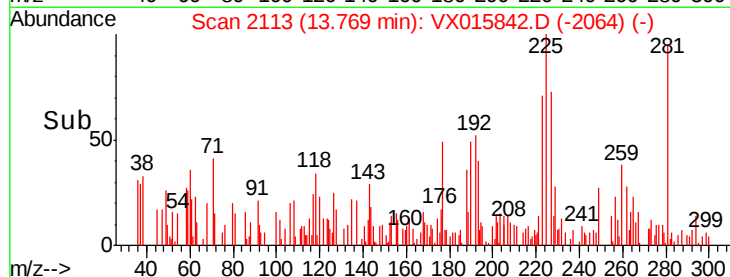
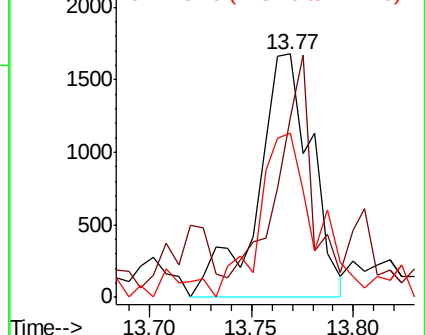
227 69.9 32.6 97.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.218 ug/l

RT: 14.00 min Scan# 2151

Delta R.T. -0.01 min

Lab File: VX015842.D

Acq: 22 Apr 2020 15:30

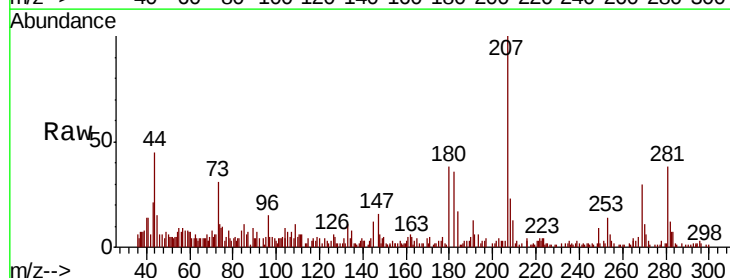
Tgt Ion:180 Resp: 3731

Ion Ratio Lower Upper

180 100

182 97.0 47.9 143.7

145 42.1 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

