

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017104.D
 Acq On : 01 Jul 2020 17:32
 Operator : JC/SP
 Sample : PB129874TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129874TB

Quant Time: Jul 02 01:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

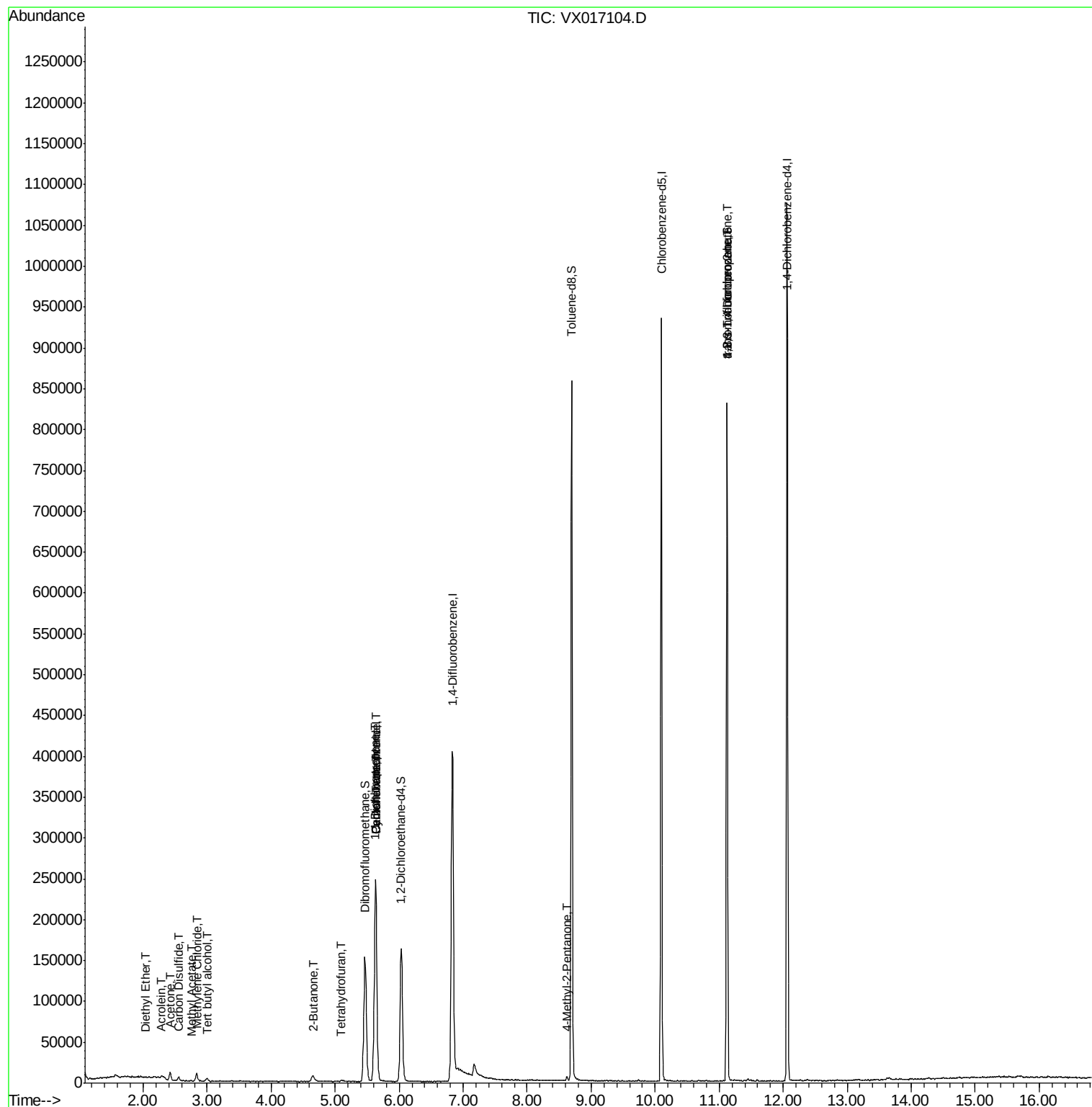
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	239187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	409901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223533	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	156616	53.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.22%	
35) Dibromofluoromethane	5.47	113	135471	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
50) Toluene-d8	8.70	98	498795	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.12	95	211886	56.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.06%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.04	74	142	0.474	ug/l	84
11) Tert butyl alcohol	3.00	59	2280	4.053	ug/l #	79
13) Acrolein	2.28	56	147	0.437	ug/l #	1
16) Acetone	2.42	43	8202	7.436	ug/l	91
17) Carbon Disulfide	2.56	76	5774	0.897	ug/l	96
18) Methyl Acetate	2.76	43	669	0.232	ug/l #	77
20) Methylene Chloride	2.83	84	4416	0.978	ug/l #	82
25) 2-Butanone	4.65	43	2818	1.533	ug/l	93
29) Tetrahydrofuran	5.09	42	626	0.515	ug/l #	33
31) Cyclohexane	5.63	56	4931	1.239	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	17035	4.397	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24437	5.727	ug/l #	16
44) Trichloroethene	7.20	130	140	Below Cal		59
51) 4-Methyl-2-Pentanone	8.62	43	3693	0.949	ug/l #	83
76) 1,2,3-Trichloropropane	11.12	75	105238	23.941	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	105238	62.000	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	522	Below Cal	#	1

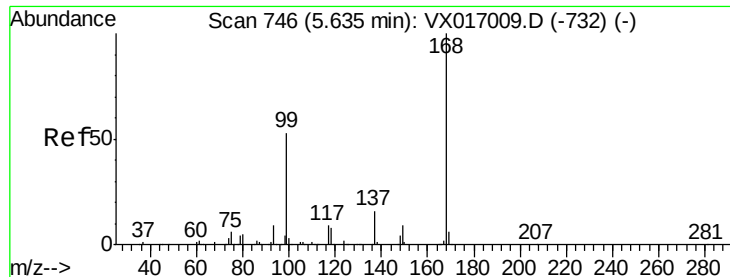
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 01 Jul 2020 17:32
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Quant Time: Jul 02 01:38:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampleId :

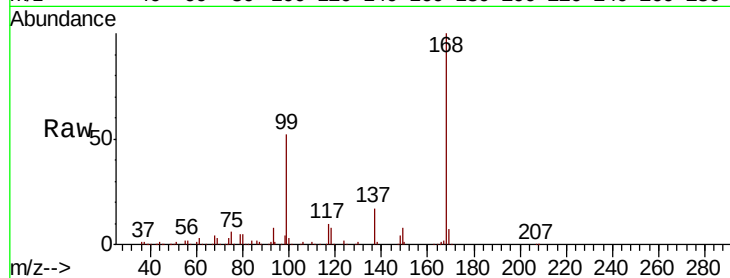
PB129874TB

Tot Ion:168 Resp: 239187

Ion Ratio Lower Upper

168 100

99 51.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

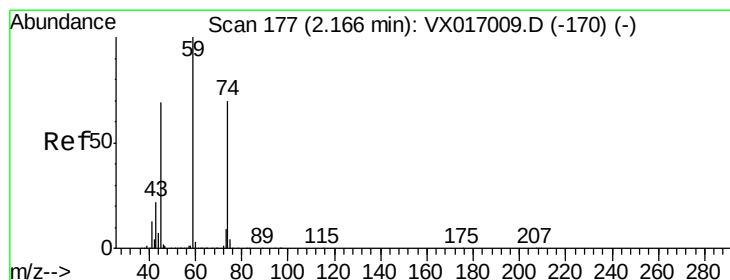
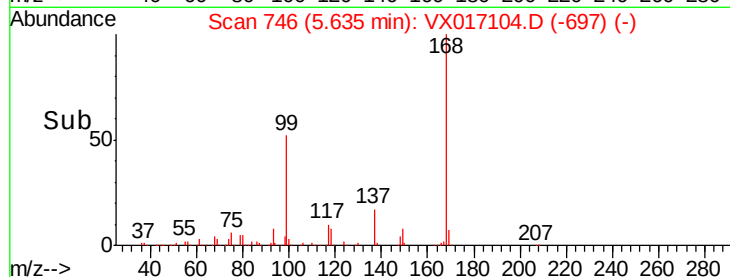
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.474 ug/l

RT: 2.04 min Scan# 157

Delta R.T. -0.12 min

Lab File: VX017104.D

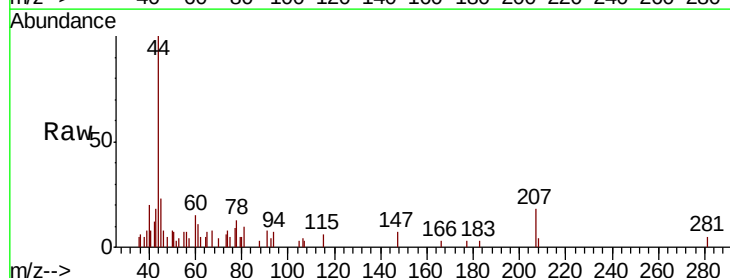
Acq: 01 Jul 2020 17:32

Tgt Ion: 74 Resp: 142

Ion Ratio Lower Upper

74 100

45 83.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.04

400

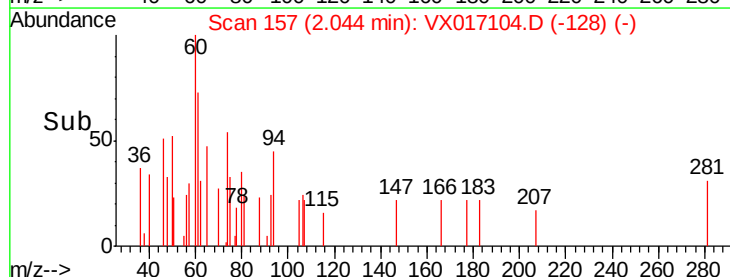
300

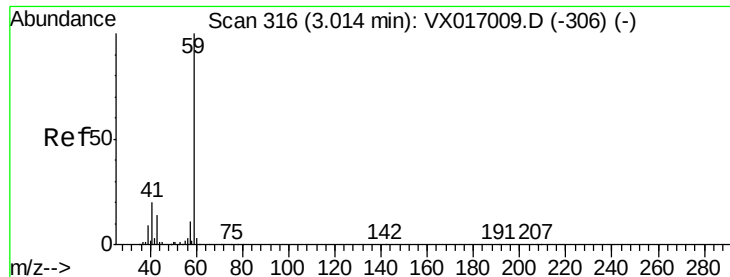
200

100

0

Time-->



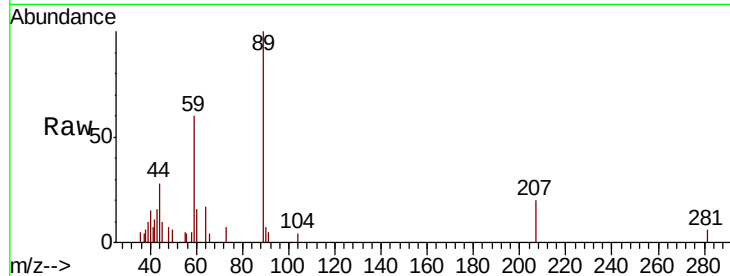


#11

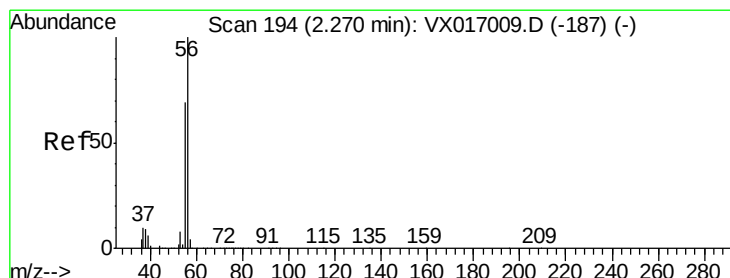
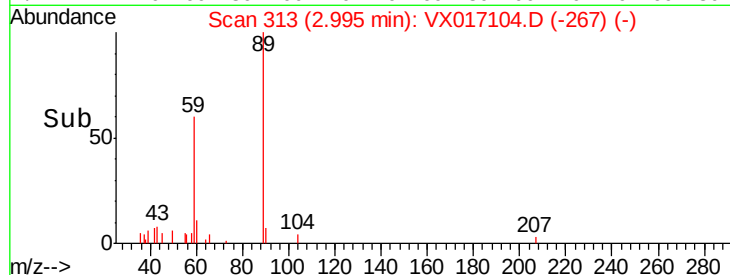
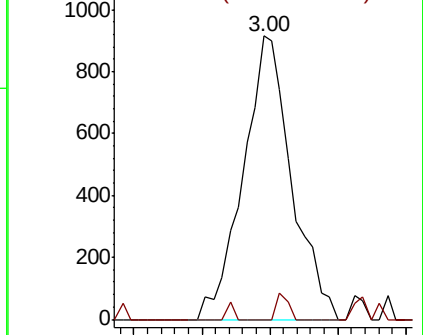
Tert butyl alcohol
 Concen: 4.053 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX017104.D
 Acq: 01 Jul 2020 17:32

Instrument :
 MSVOA_X
 ClientSampled :
 PB129874TB

Tot Ion: 59 Resp: 2280
 Ion Ratio Lower Upper
 59 100
 57 2.3 8.2 12.2#



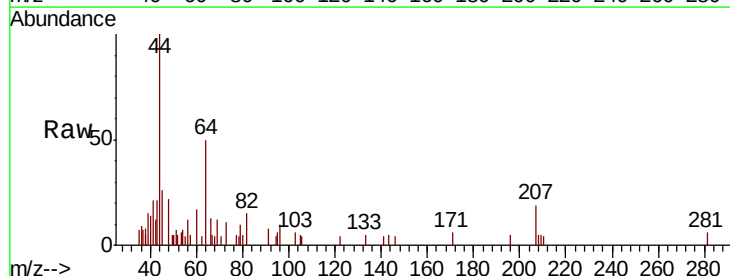
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



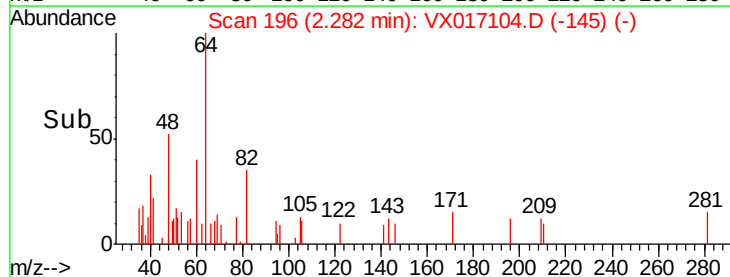
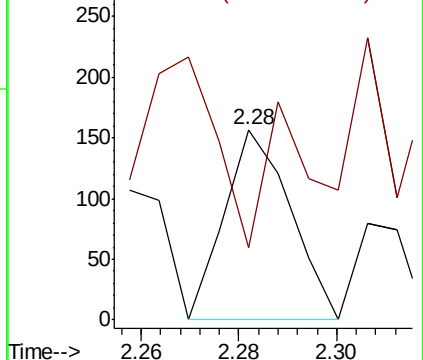
#13

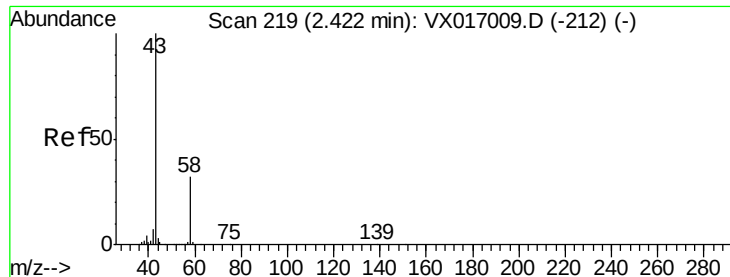
Acrolein
 Concen: 0.437 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX017104.D
 Acq: 01 Jul 2020 17:32

Tgt Ion: 56 Resp: 147
 Ion Ratio Lower Upper
 56 100
 55 153.1 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 7.436 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampleId :

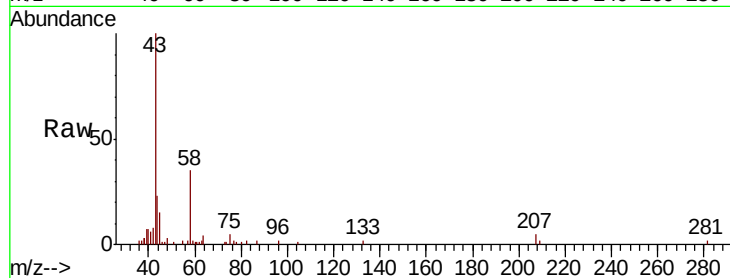
PB129874TB

Tot Ion: 43 Resp: 8202

Ion Ratio Lower Upper

43 100

58 36.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

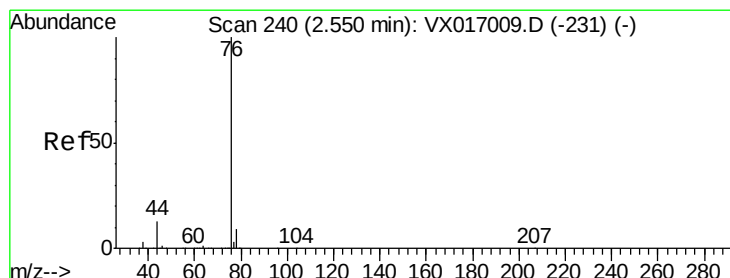
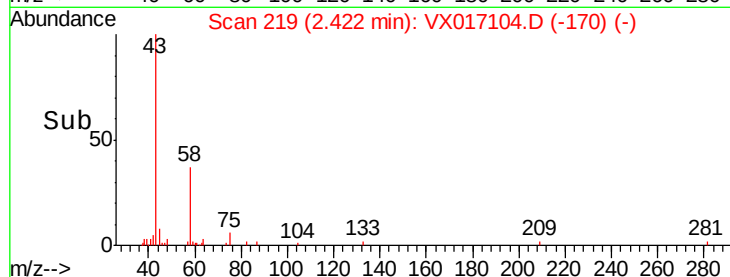
2000

1000

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.897 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017104.D

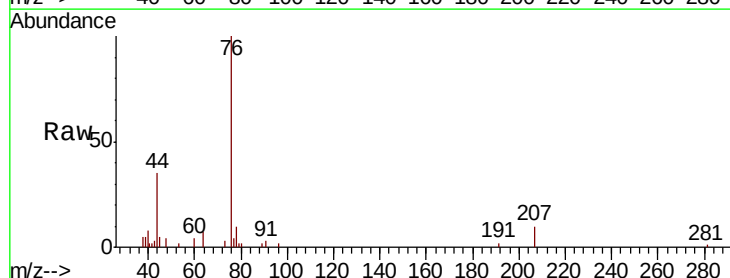
Acq: 01 Jul 2020 17:32

Tgt Ion: 76 Resp: 5774

Ion Ratio Lower Upper

76 100

78 10.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

4000

3000

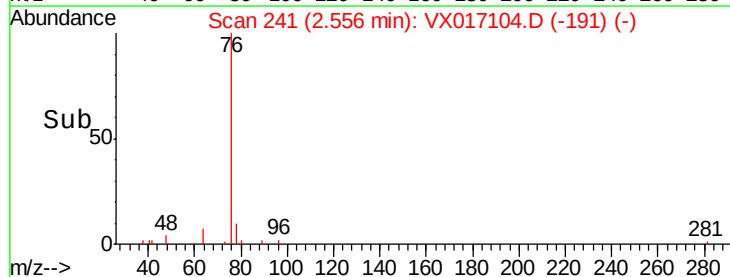
2000

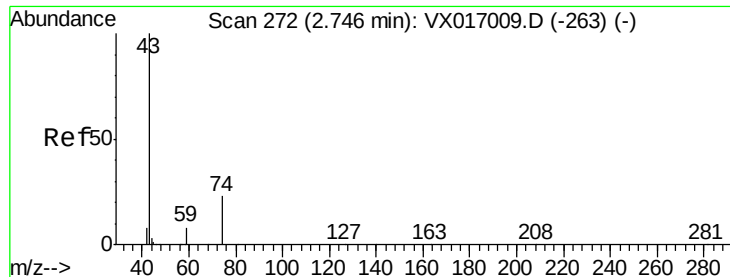
1000

0

2.50 2.55 2.60

Time-->

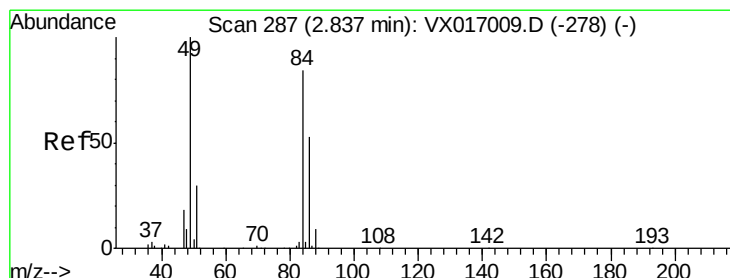
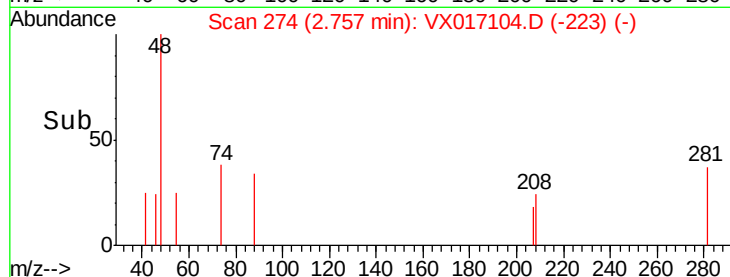
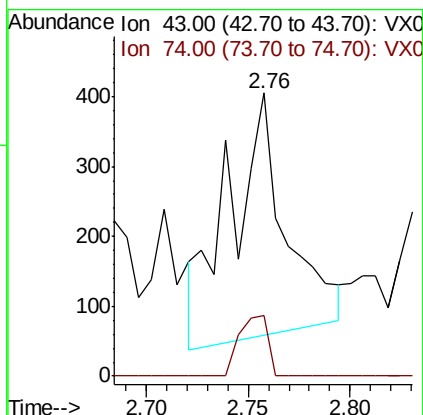
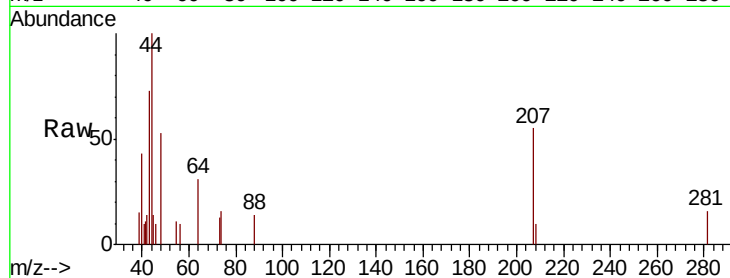




#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017104.D
Acq: 01 Jul 2020 17:32

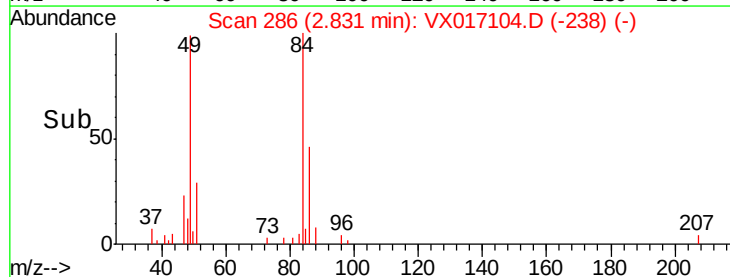
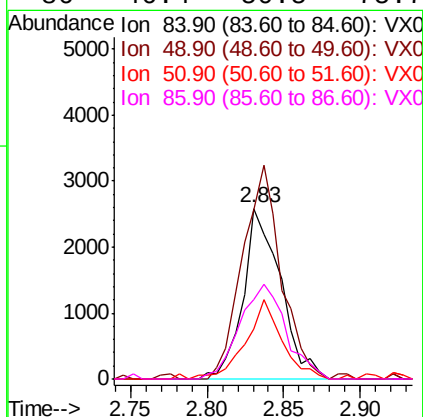
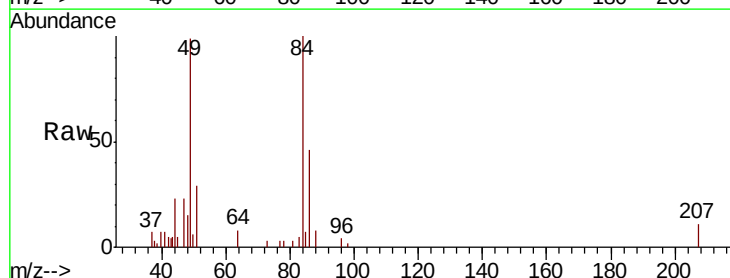
Instrument :
MSVOA_X
ClientSampled :
PB129874TB

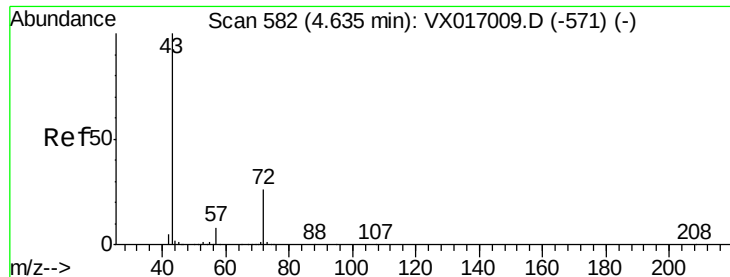
Tot Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
74 12.6 19.3 28.9#



#20
Methylene Chloride
Concen: 0.978 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017104.D
Acq: 01 Jul 2020 17:32

Tgt Ion: 84 Resp: 4416
Ion Ratio Lower Upper
84 100
49 99.0 94.7 142.1
51 29.0 28.6 42.8
86 46.4 50.5 75.7#





#25

2-Butanone

Concen: 1.533 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampled :

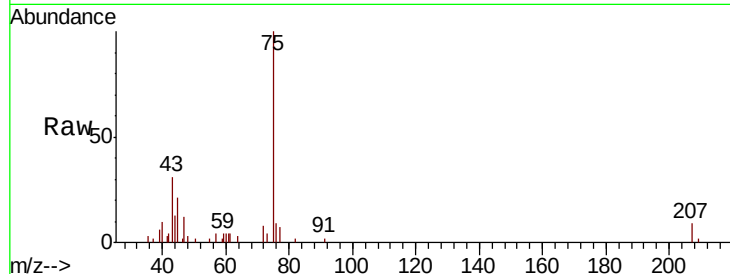
PB129874TB

Tot Ion: 43 Resp: 2818

Ion Ratio Lower Upper

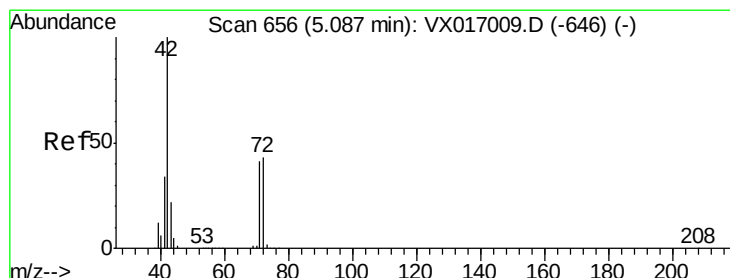
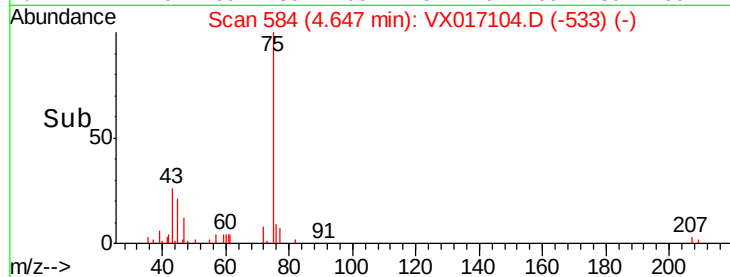
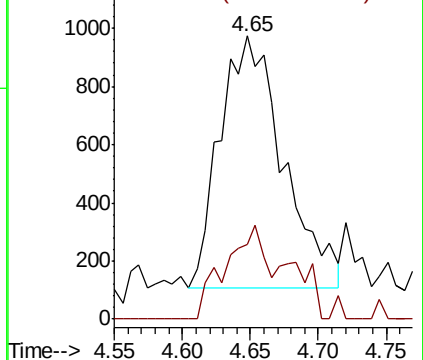
43 100

72 29.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

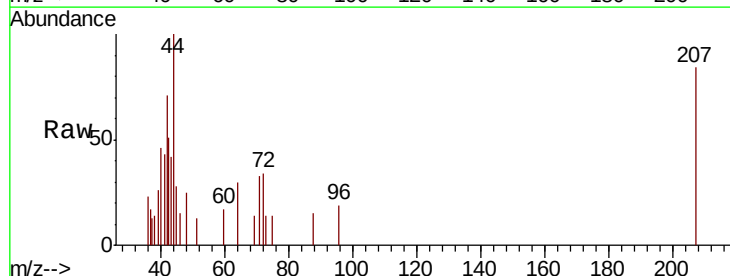
Tgt Ion: 42 Resp: 626

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

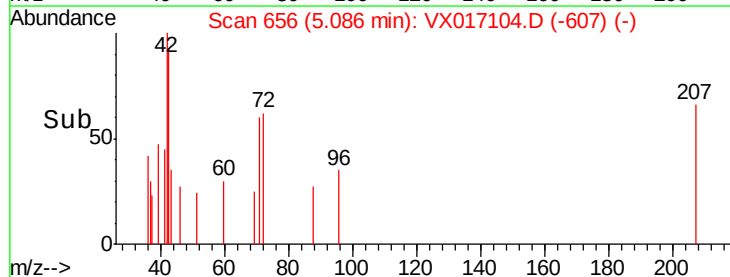
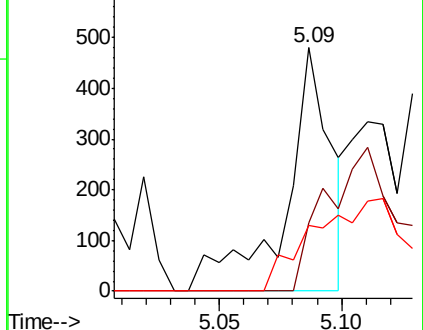
71 0.0 33.1 49.7#

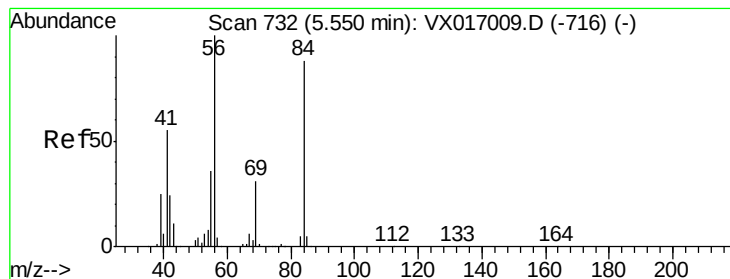


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampleId :

PB129874TB

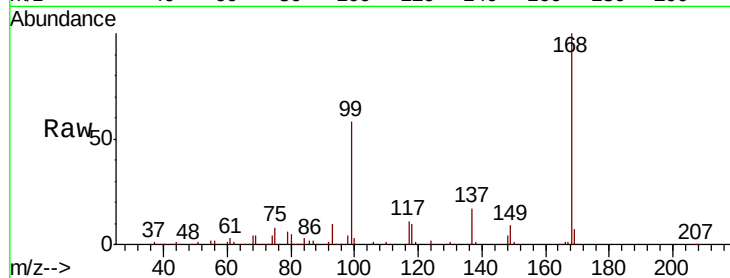
Tot Ion: 56 Resp: 4931

Ion Ratio Lower Upper

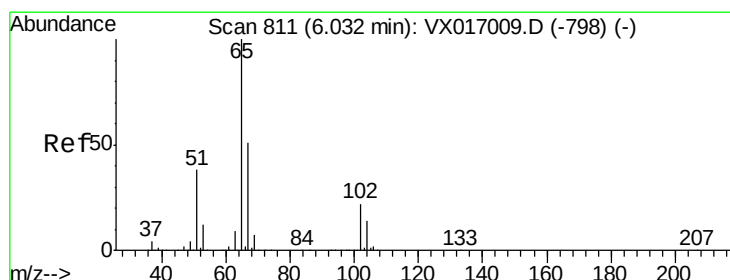
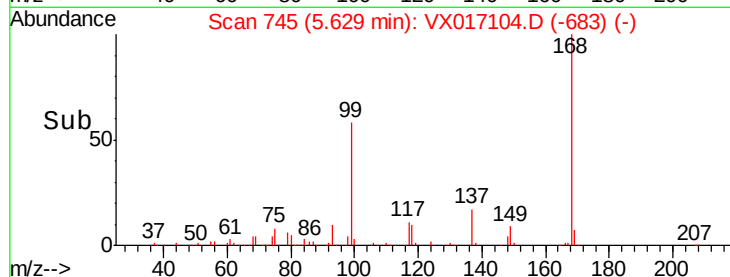
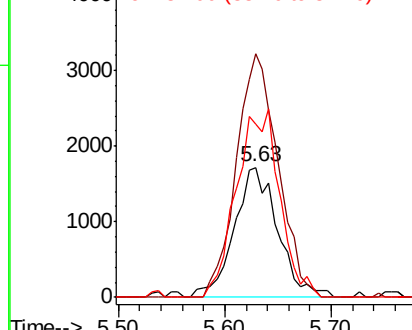
56 100

69 187.7 25.0 37.4#

84 133.2 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.114 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017104.D

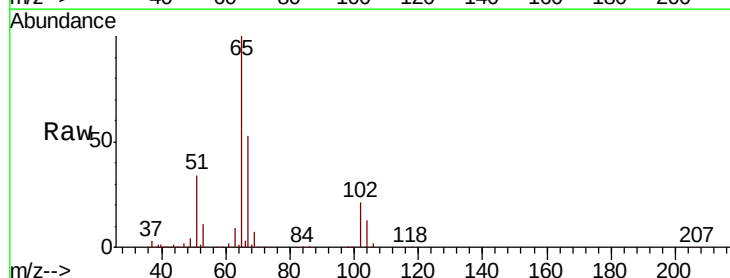
Acq: 01 Jul 2020 17:32

Tgt Ion: 65 Resp: 156616

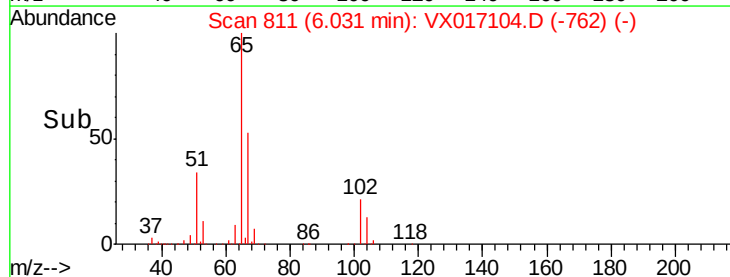
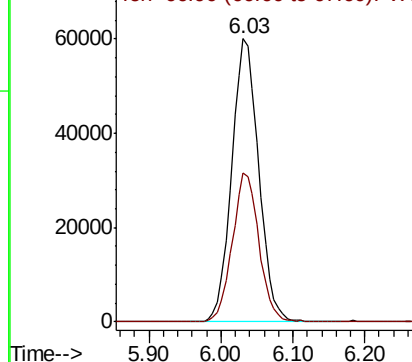
Ion Ratio Lower Upper

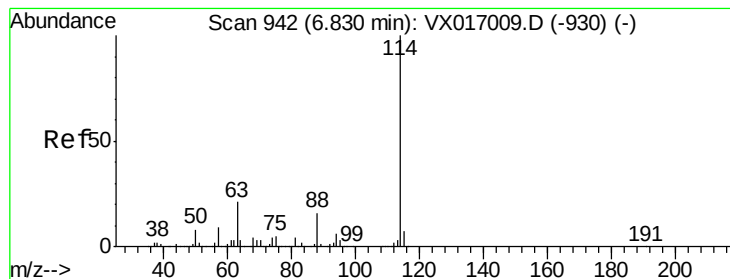
65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampleId :

PB129874TB

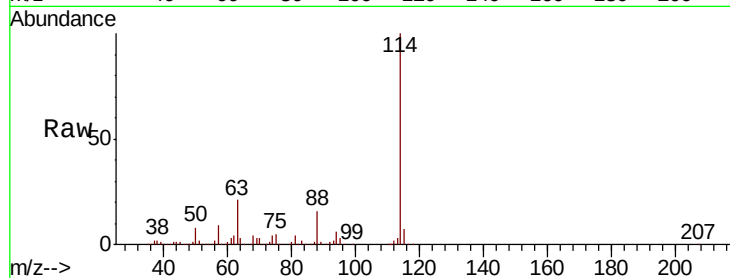
Tot Ion:114 Resp: 409901

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

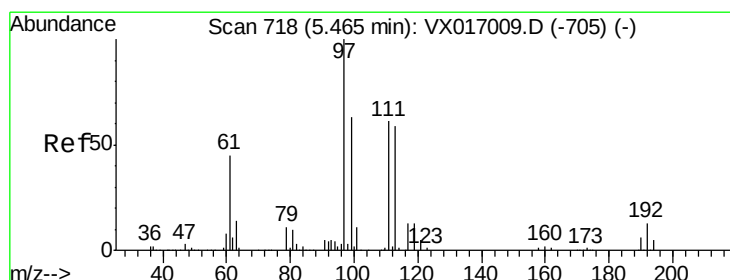
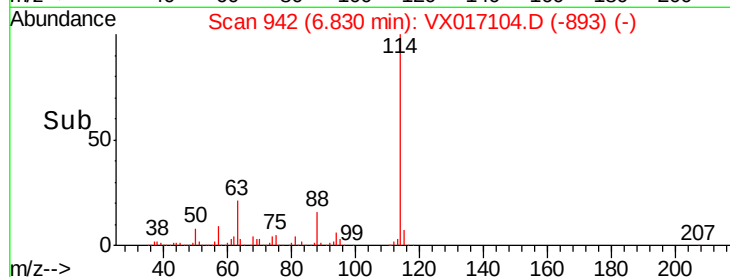
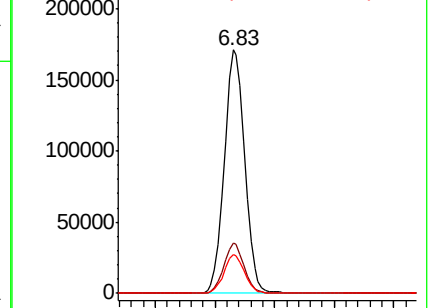
88 16.2 0.0 32.4



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: 52.247 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

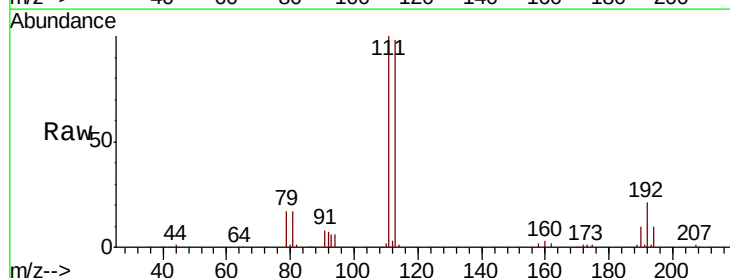
Tgt Ion:113 Resp: 135471

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

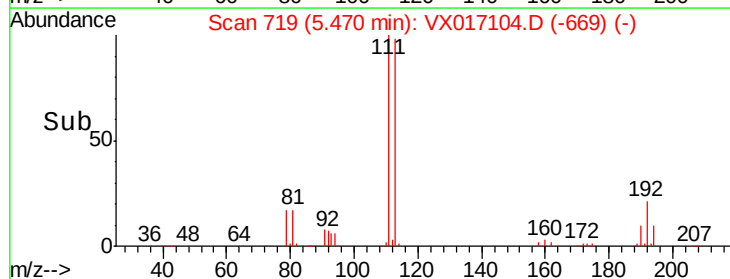
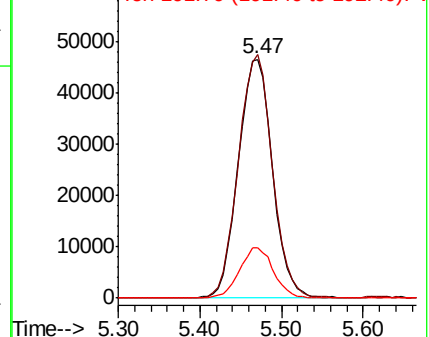
192 20.9 16.7 25.1

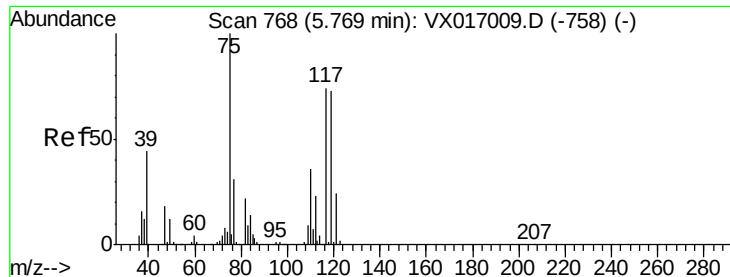


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.397 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampled :

PB129874TB

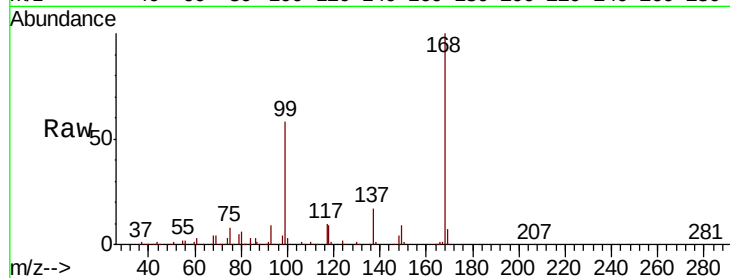
Tot Ion: 75 Resp: 17035

Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.1#

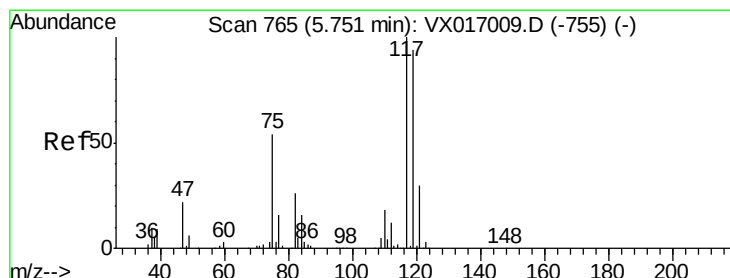
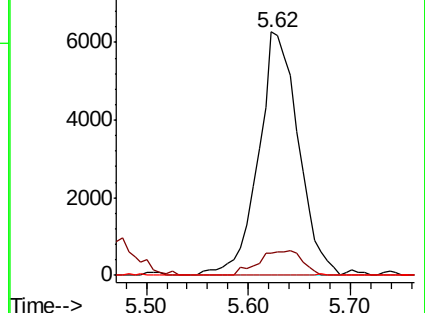
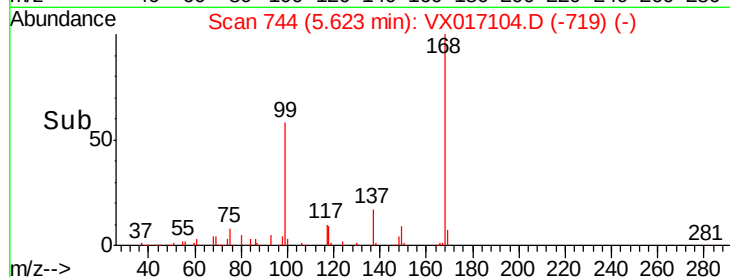
77 0.0 24.6 37.0#



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: 5.727 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

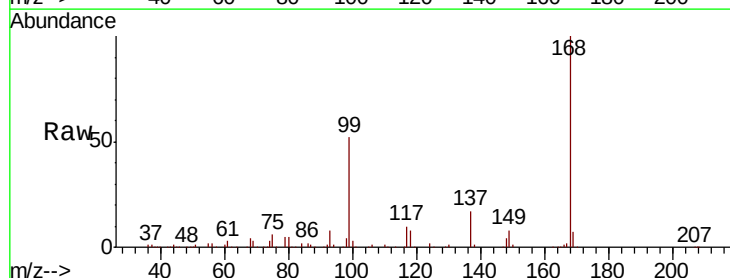
Tgt Ion: 117 Resp: 24437

Ion Ratio Lower Upper

117 100

119 4.4 75.4 113.0#

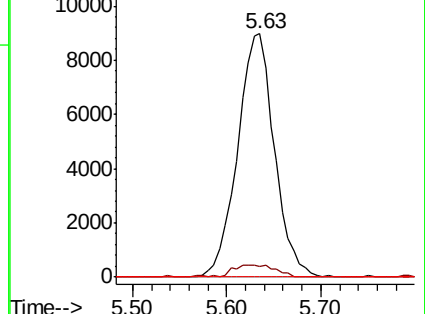
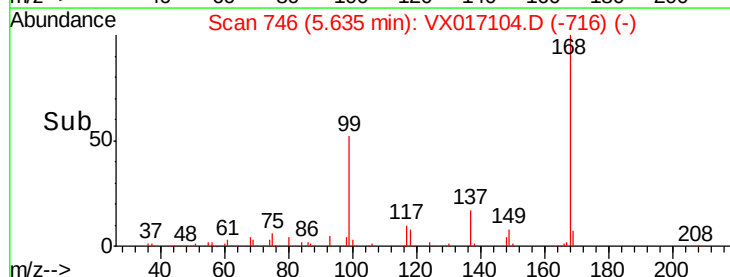
121 0.0 23.8 35.6#

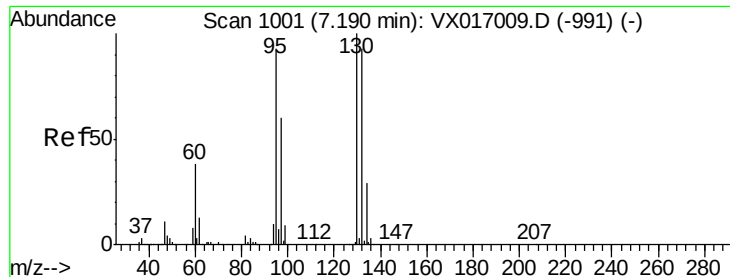


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampled :

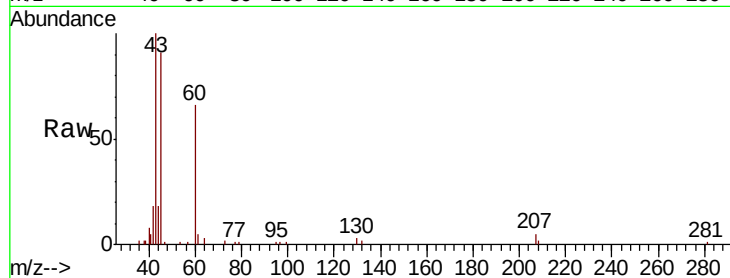
PB129874TB

Tot Ion:130 Resp: 140

Ion Ratio Lower Upper

130 100

95 53.5 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

150

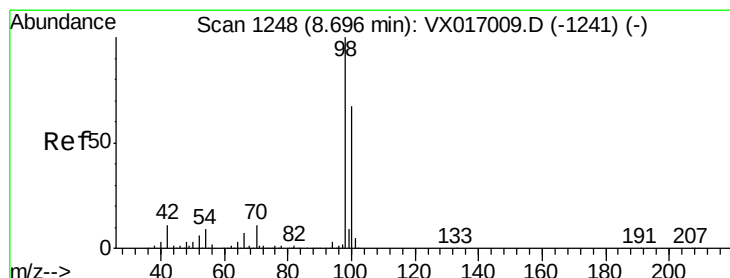
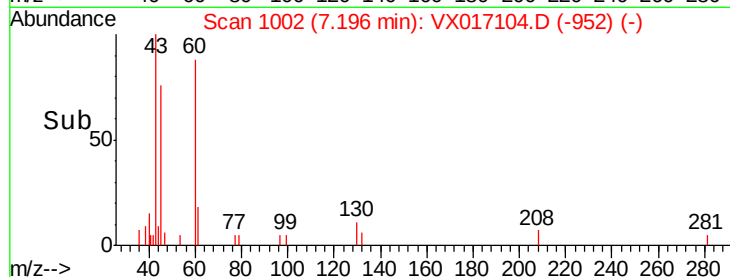
100

50

0

7.16 7.18 7.20 7.22

Time-->



#50

Toluene-d8

Concen: 52.023 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017104.D

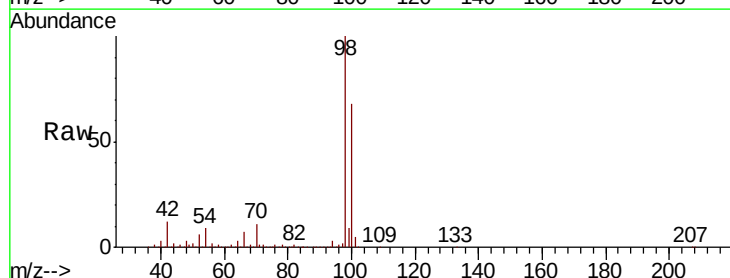
Acq: 01 Jul 2020 17:32

Tgt Ion: 98 Resp: 498795

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

300000

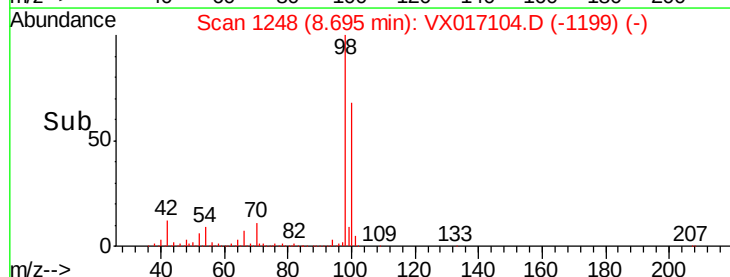
200000

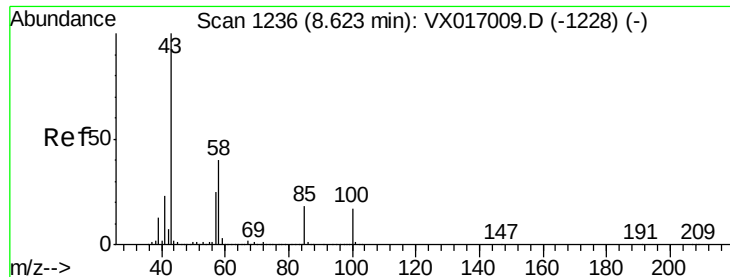
100000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.949 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampleId :

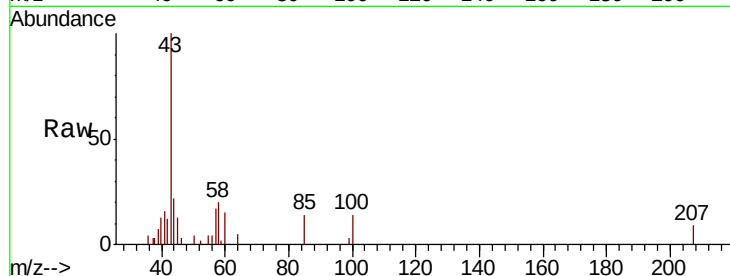
PB129874TB

Tot Ion: 43 Resp: 3693

Ion Ratio Lower Upper

43 100

58 29.7 31.9 47.9#

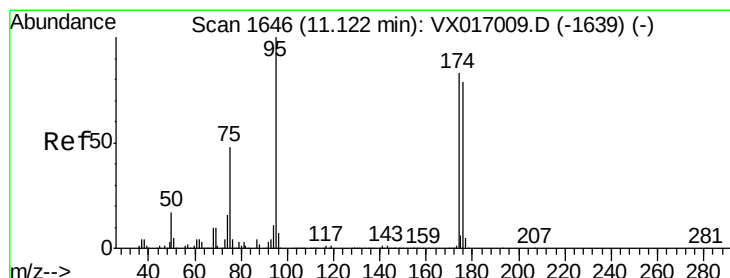
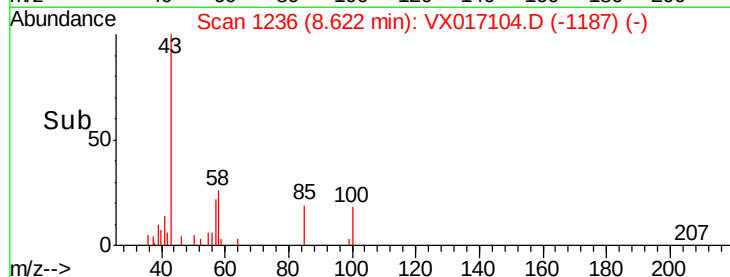


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

Time-->



#62

4-Bromofluorobenzene

Concen: 56.532 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

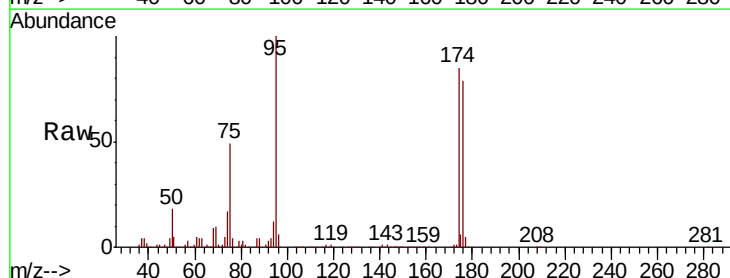
Tgt Ion: 95 Resp: 211886

Ion Ratio Lower Upper

95 100

174 82.3 0.0 164.0

176 79.5 0.0 157.6



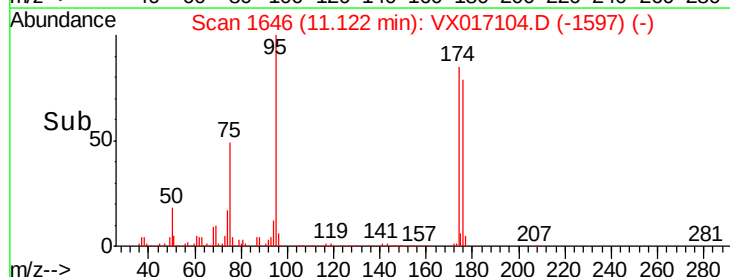
Abundance Ion 94.90 (94.60 to 95.60): VX0

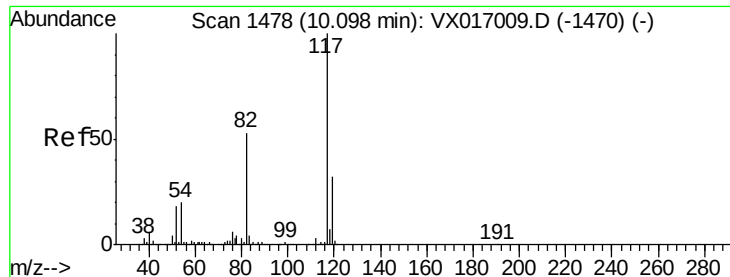
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

Time-->

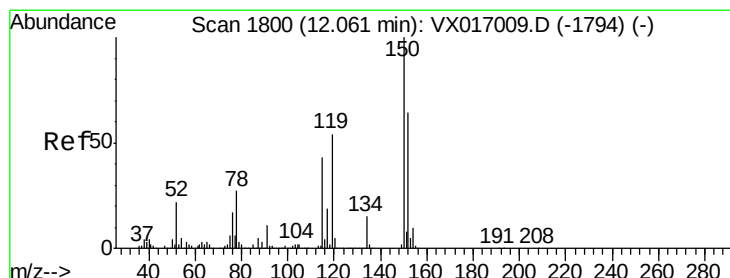
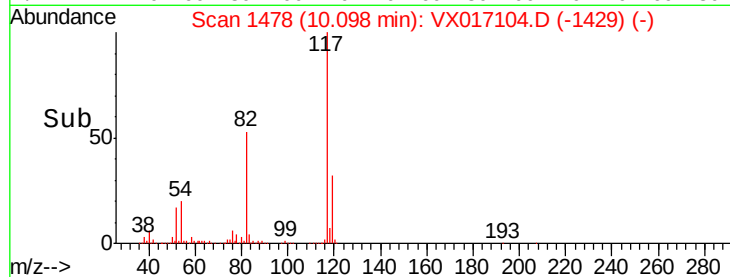
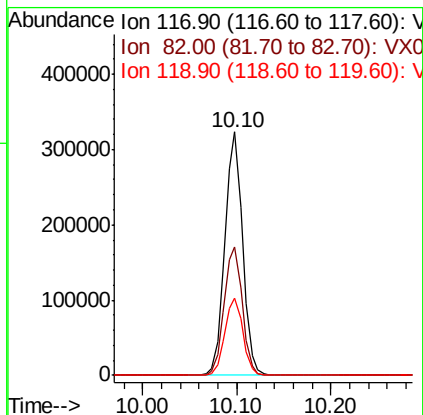
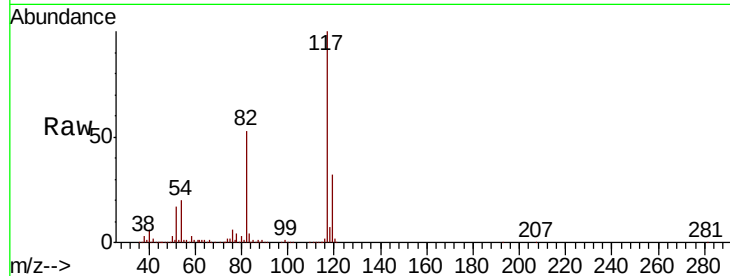




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017104.D
Acq: 01 Jul 2020 17:32

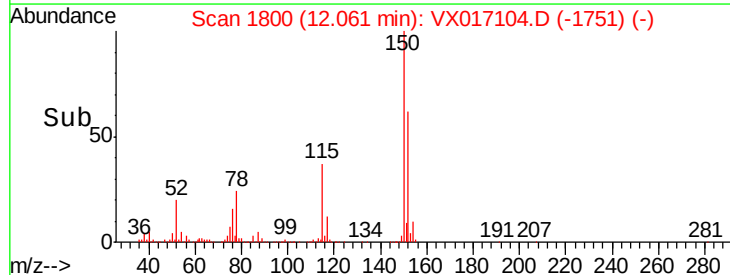
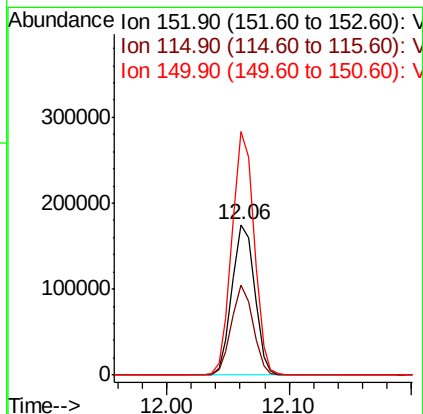
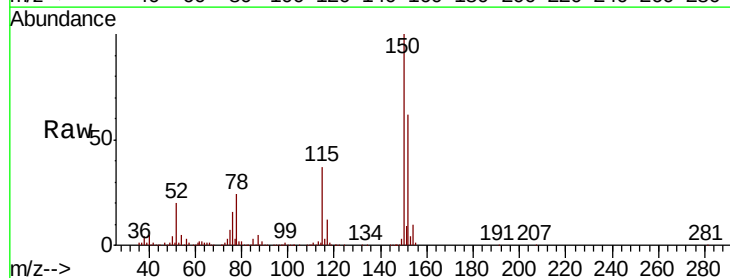
Instrument :
MSVOA_X
ClientSampleId :
PB129874TB

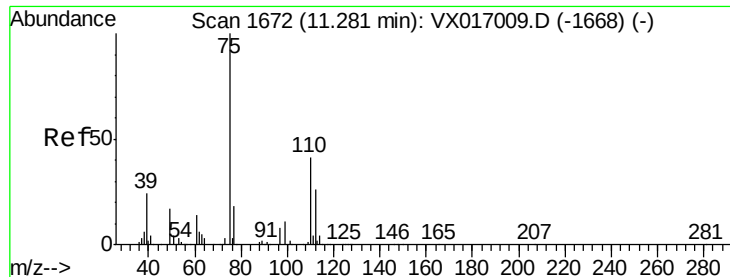
Tot Ion:117 Resp: 420917
Ion Ratio Lower Upper
117 100
82 53.0 42.6 63.8
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017104.D
Acq: 01 Jul 2020 17:32

Tgt Ion:152 Resp: 223533
Ion Ratio Lower Upper
152 100
115 57.1 40.9 122.7
150 158.5 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.941 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Instrument :

MSVOA_X

ClientSampleId :

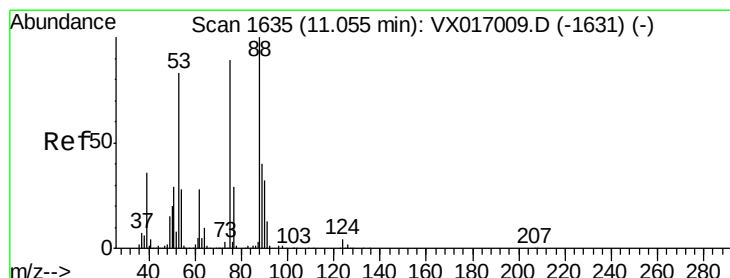
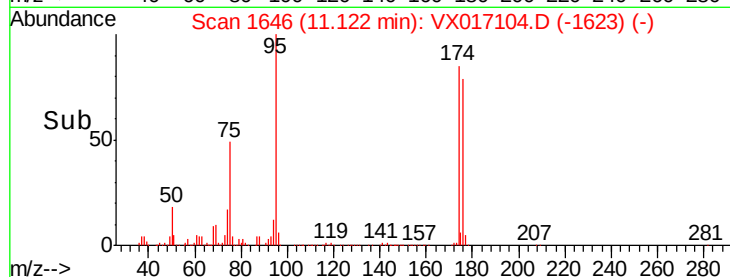
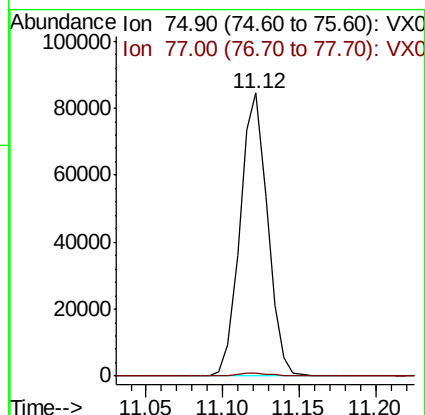
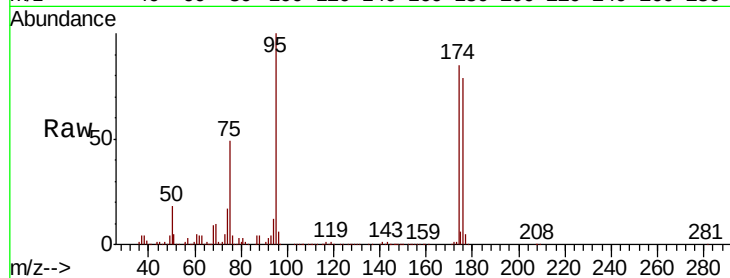
PB129874TB

Tot Ion: 75 Resp: 105238

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.000 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017104.D

Acq: 01 Jul 2020 17:32

Tgt Ion: 75 Resp: 105238

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#

