

Data File : VX017284.D
Acq On : 09 Jul 2020 02:26
Operator : JC/SP
Sample : PB130017TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB130017TB

Quant Time: Jul 09 05:10:58 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	5.64	168	236369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	400438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	422800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	157584	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	5.47	113	134548	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	8.70	98	496600	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
62) 4-Bromofluorobenzene	11.12	95	201292	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	

Target Compounds

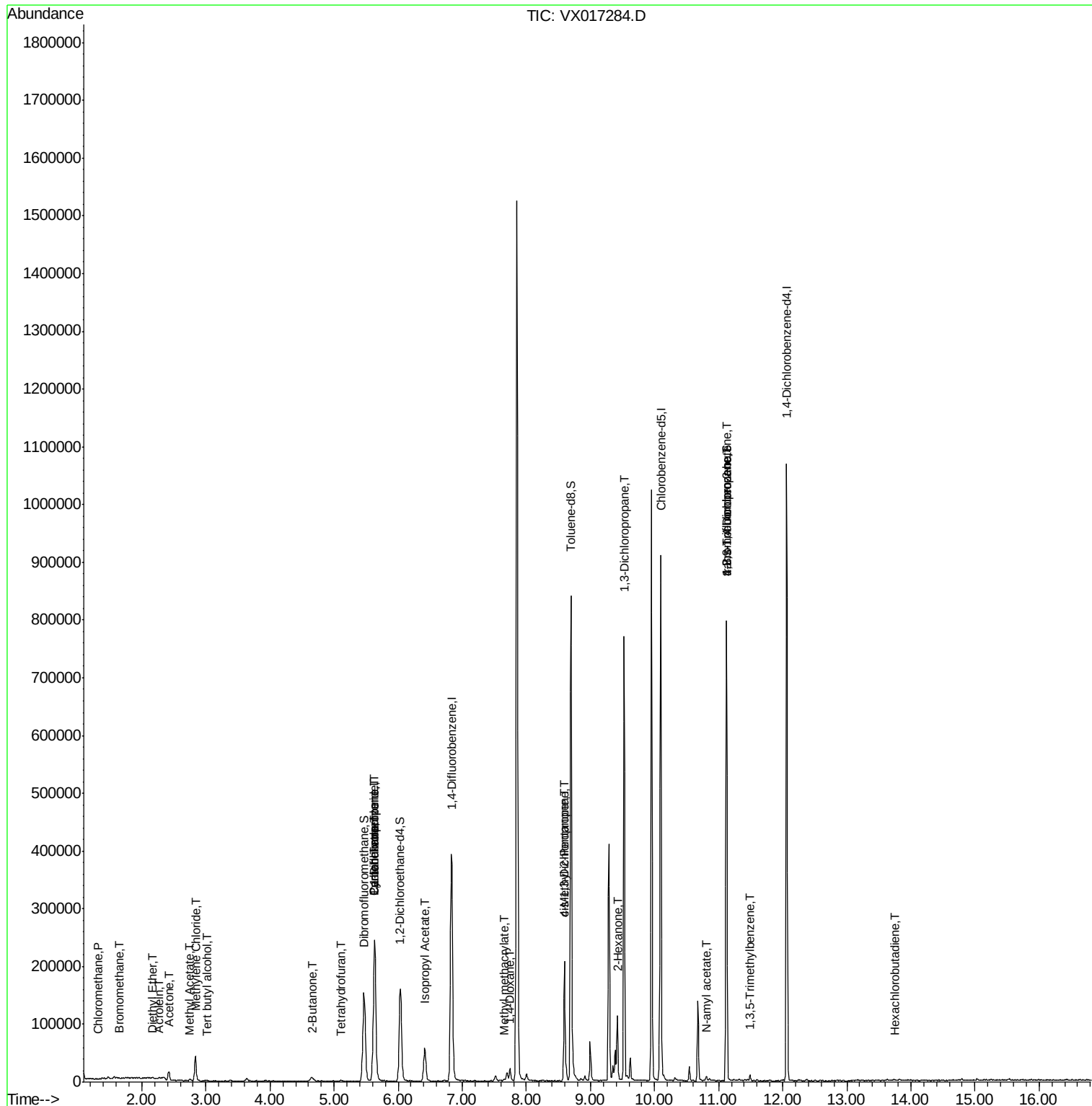
						Qvalue
3) Chloromethane	1.31	50	563	0.203	ug/l #	87
5) Bromomethane	1.64	94	496	0.366	ug/l #	63
8) Diethyl Ether	2.17	74	895	1.061	ug/l	95
11) Tert butyl alcohol	3.01	59	604	1.087	ug/l #	84
13) Acrolein	2.28	56	444	1.336	ug/l #	25
16) Acetone	2.42	43	17102	15.689	ug/l	97
18) Methyl Acetate	2.75	43	3596	1.264	ug/l	99
20) Methylene Chloride	2.84	84	19748	7.229	ug/l	98
25) 2-Butanone	4.65	43	3091	1.702	ug/l	91
29) Tetrahydrofuran	5.10	42	327	0.272	ug/l #	1
31) Cyclohexane	5.63	56	4882	1.241	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17158	4.534	ug/l #	51
38) Carbon Tetrachloride	5.64	117	23127	5.548	ug/l #	18
43) Isopropyl Acetate	6.41	43	76382	11.971	ug/l	98
44) Trichloroethene	7.18	130	356	Below Cal		82
48) Methyl methacrylate	7.65	41	4806	1.585	ug/l #	15
49) 1,4-Dioxane	7.75	88	70	1.019	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	70184	18.452	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	33205	6.986	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	6574	1.370	ug/l #	43
59) 2-Hexanone	9.42	43	71713	25.816	ug/l #	23
74) N-amyl acetate	10.81	43	3344	0.554	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	101079	23.800	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	3994	0.340	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	101079	61.635	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	751	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	227	0.975	ug/l #	64

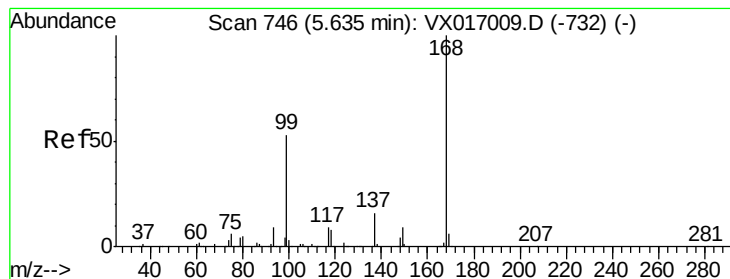
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

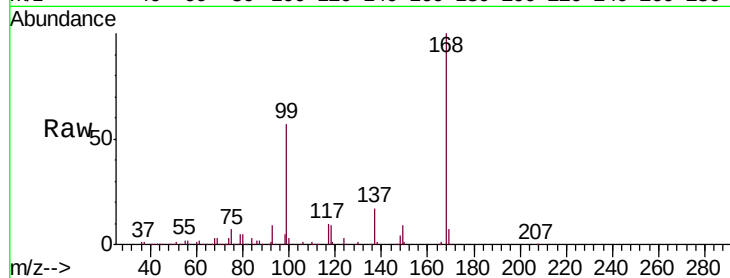
PB130017TB

Tgt Ion:168 Resp: 236369

Ion Ratio Lower Upper

168 100

99 56.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

40000

20000

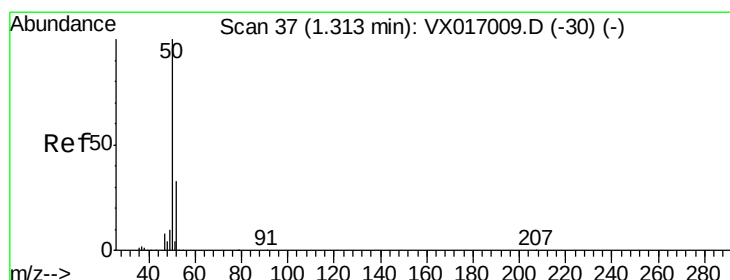
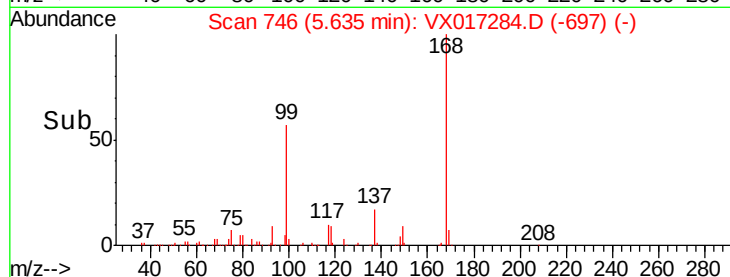
0

5.50

5.60

5.70

Time-->



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017284.D

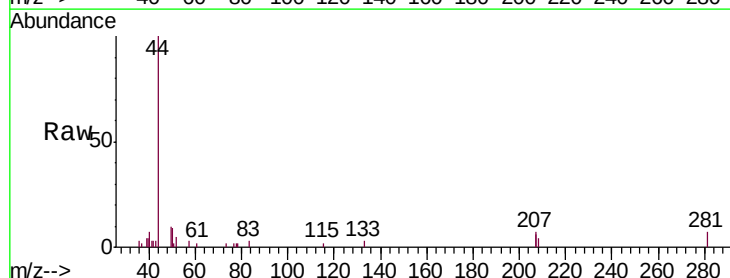
Acq: 09 Jul 2020 02:26

Tgt Ion: 50 Resp: 563

Ion Ratio Lower Upper

50 100

52 25.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

400

200

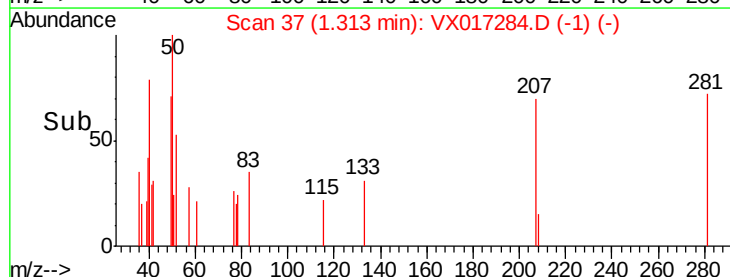
0

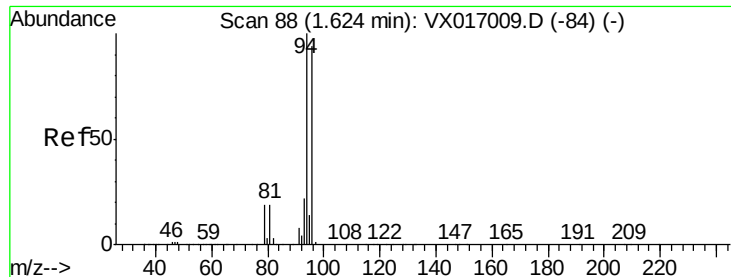
1.25

1.30

1.35

Time-->





#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampled :

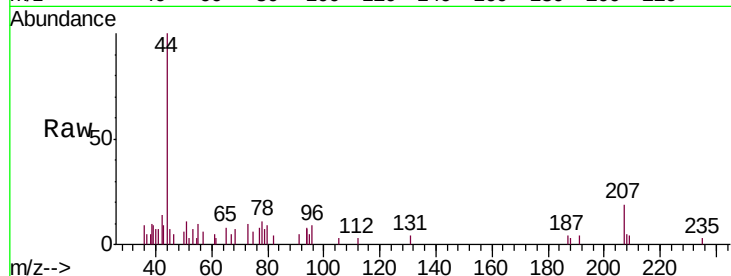
PB130017TB

Tgt Ion: 94 Resp: 496

Ion Ratio Lower Upper

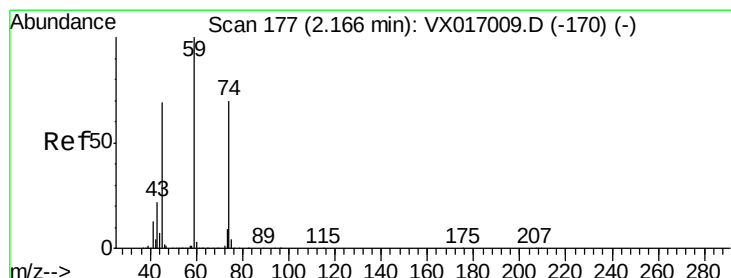
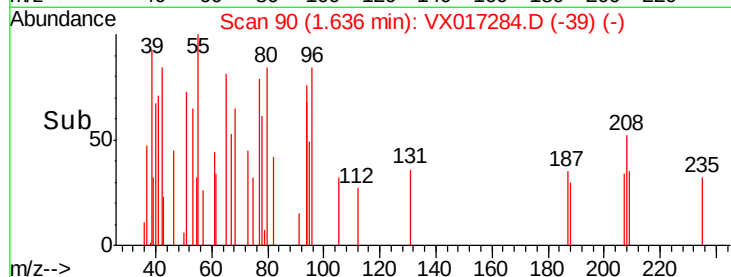
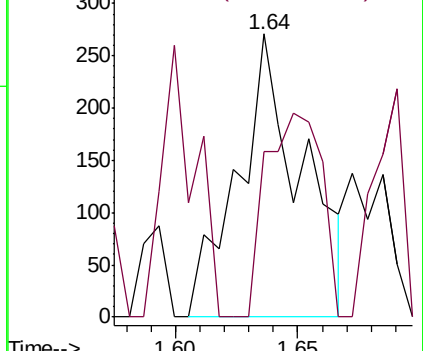
94 100

96 58.3 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 1.061 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017284.D

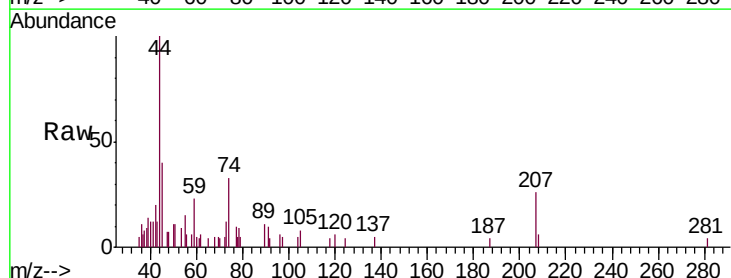
Acq: 09 Jul 2020 02:26

Tgt Ion: 74 Resp: 895

Ion Ratio Lower Upper

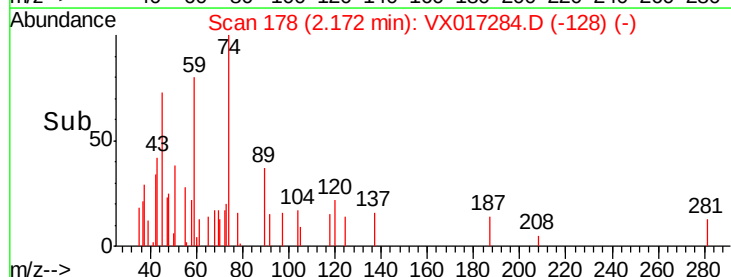
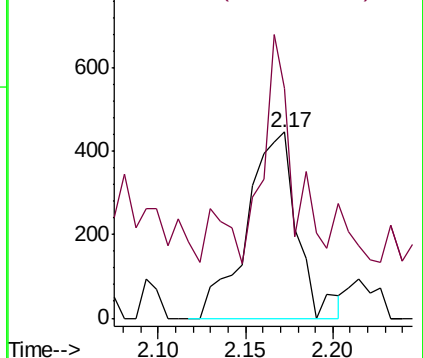
74 100

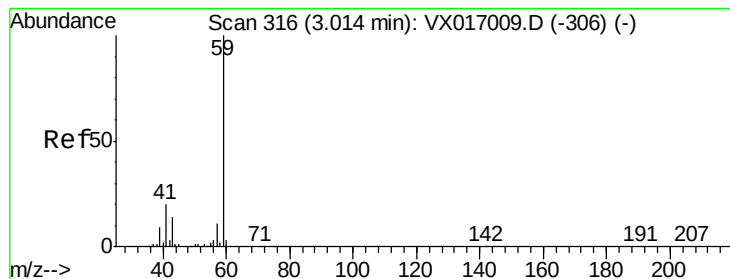
45 95.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#11

Tert butyl alcohol

Concen: 1.087 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

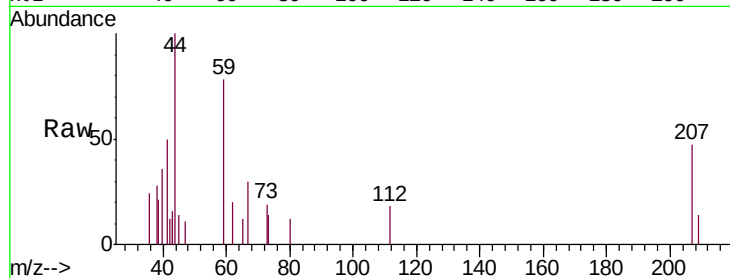
PB130017TB

Tgt Ion: 59 Resp: 604

Ion Ratio Lower Upper

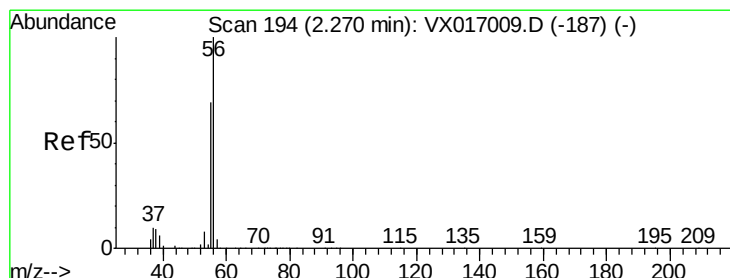
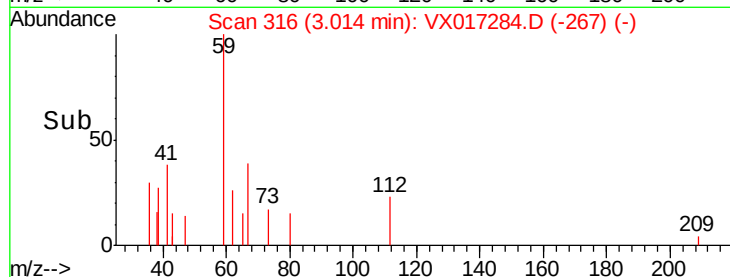
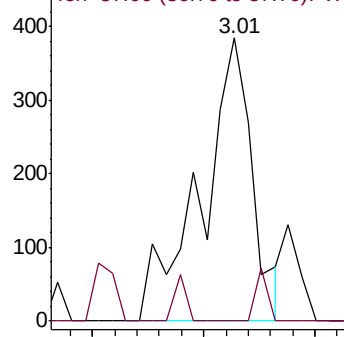
59 100

57 4.3 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: 1.336 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017284.D

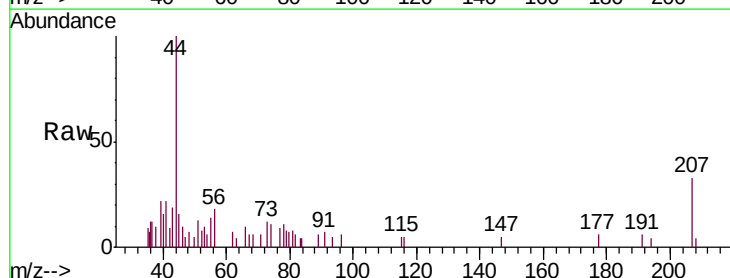
Acq: 09 Jul 2020 02:26

Tgt Ion: 56 Resp: 444

Ion Ratio Lower Upper

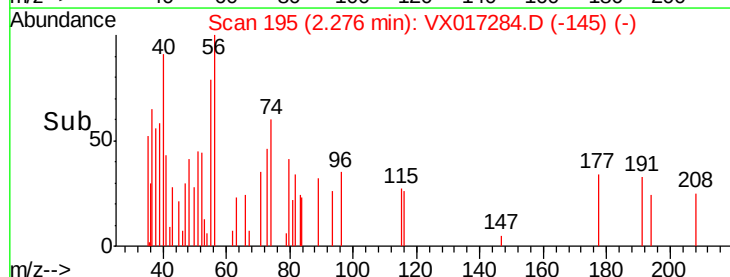
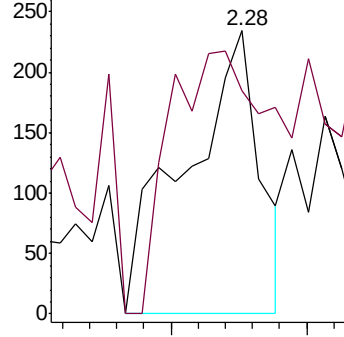
56 100

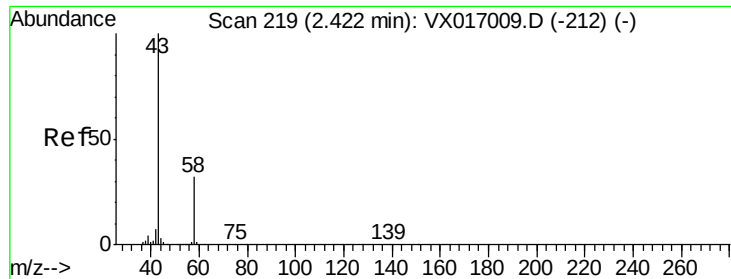
55 131.1 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 15.689 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampled :

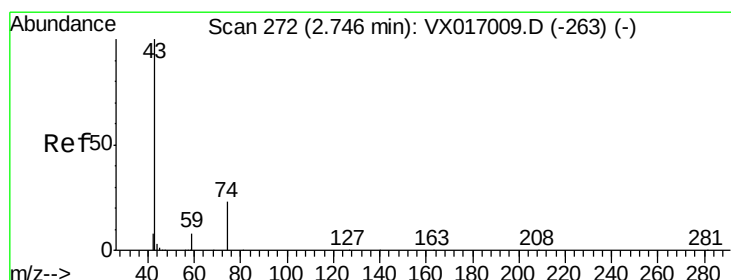
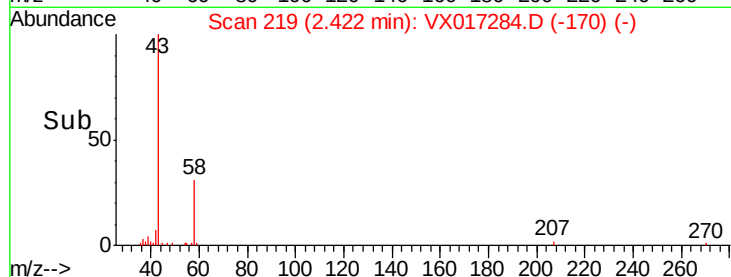
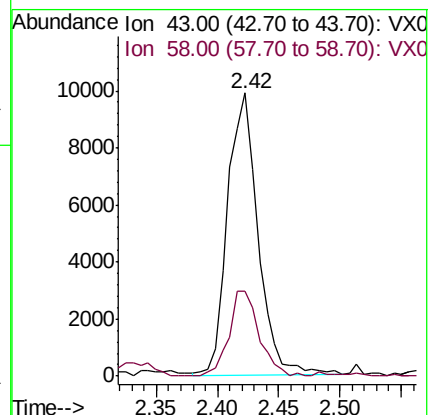
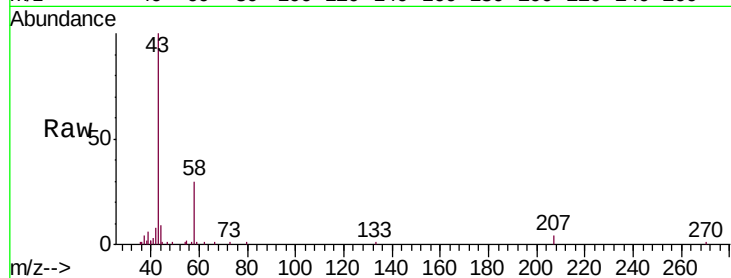
PB130017TB

Tgt Ion: 43 Resp: 17102

Ion Ratio Lower Upper

43 100

58 30.4 25.7 38.5



#18

Methyl Acetate

Concen: 1.264 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017284.D

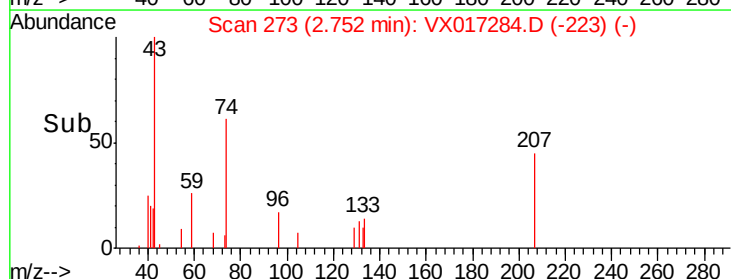
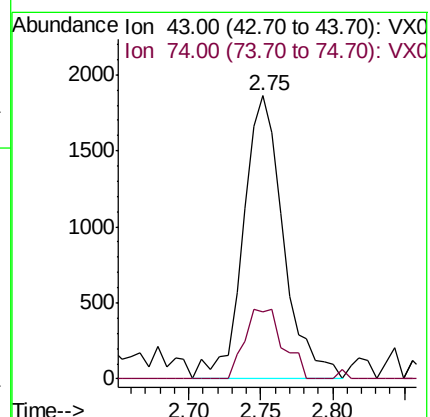
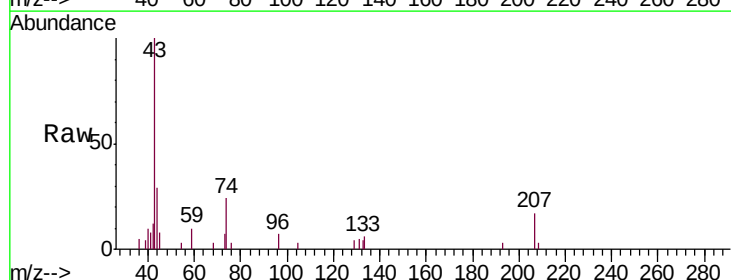
Acq: 09 Jul 2020 02:26

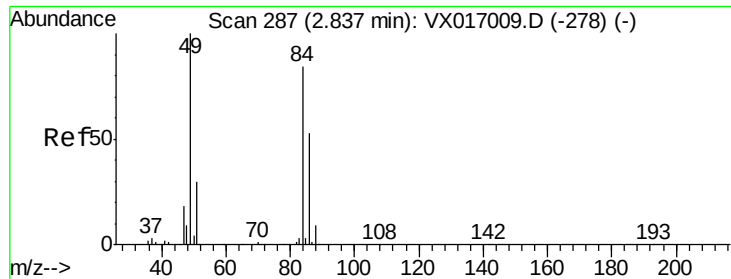
Tgt Ion: 43 Resp: 3596

Ion Ratio Lower Upper

43 100

74 23.6 19.3 28.9





#20

Methylene Chloride

Concen: 7.229 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

PB130017TB

Tgt Ion: 84 Resp: 19748

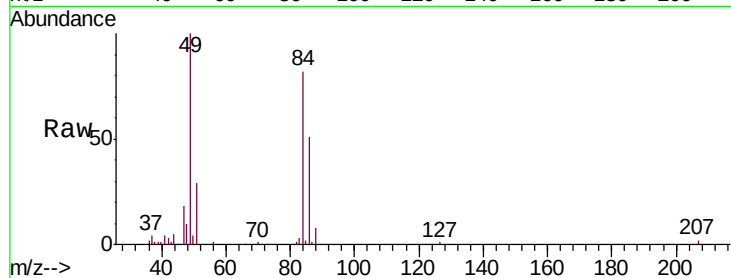
Ion Ratio Lower Upper

84 100

49 121.4 94.7 142.1

51 34.5 28.6 42.8

86 61.7 50.5 75.7

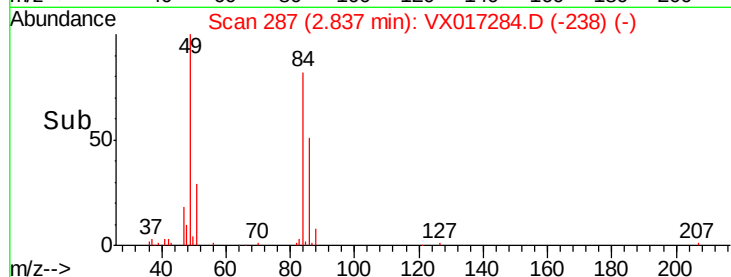
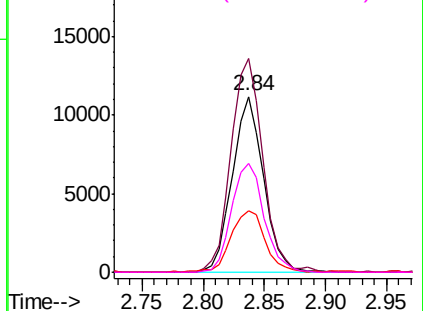


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.702 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017284.D

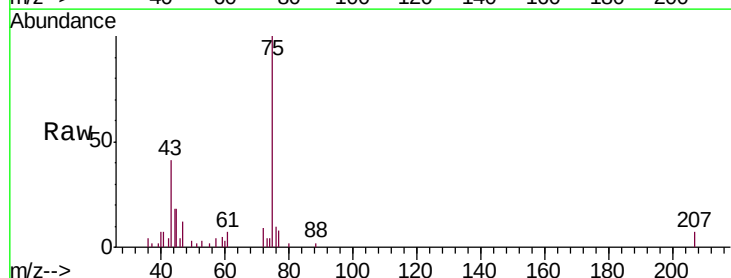
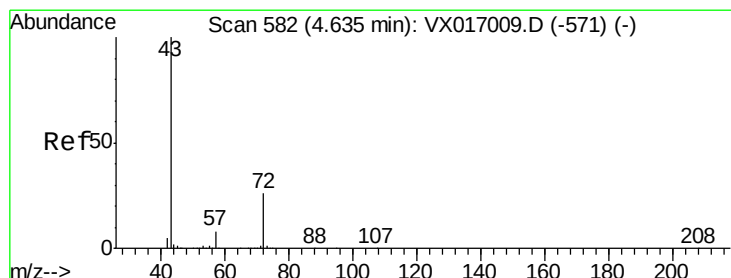
Acq: 09 Jul 2020 02:26

Tgt Ion: 43 Resp: 3091

Ion Ratio Lower Upper

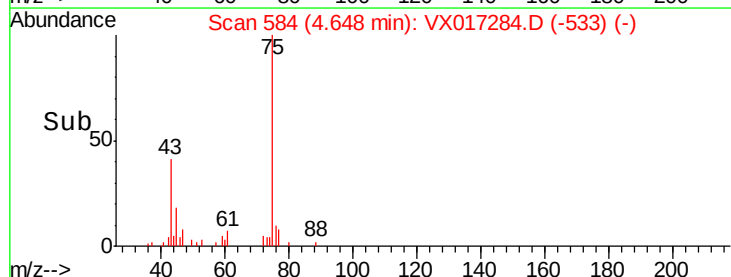
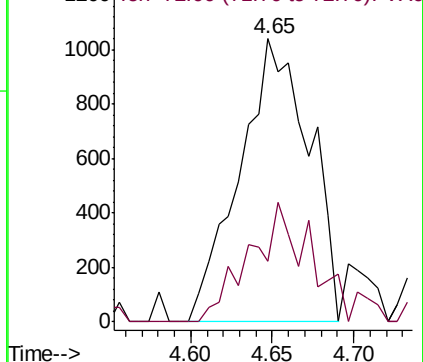
43 100

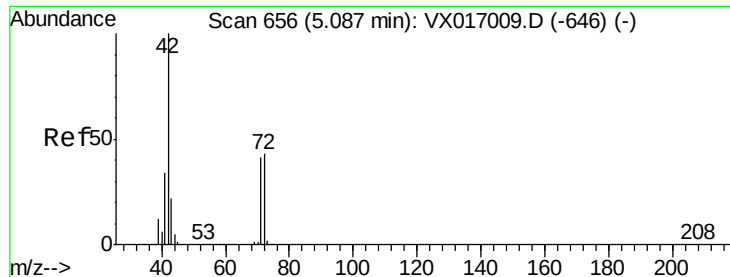
72 21.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

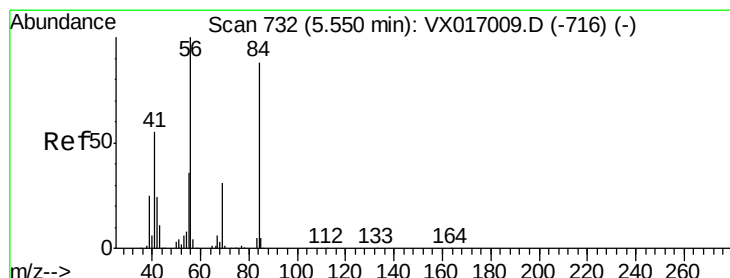
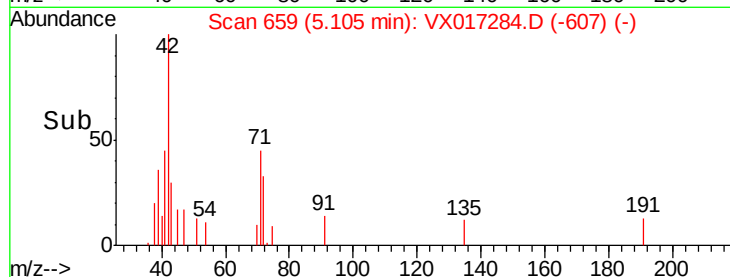
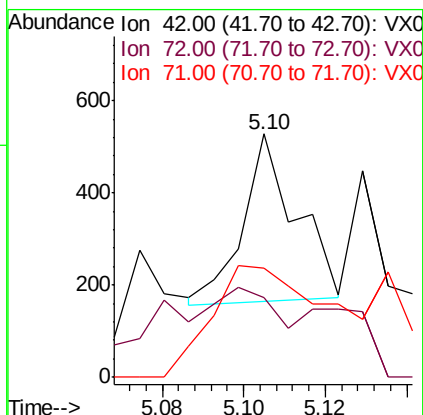
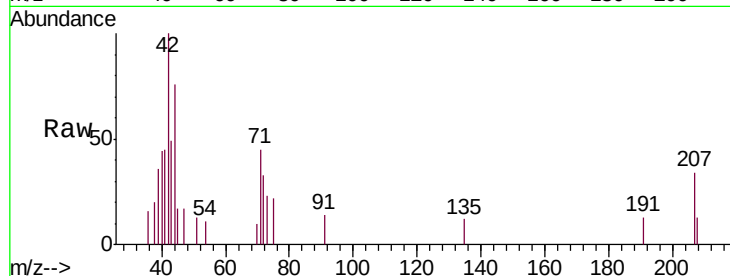




#29
Tetrahydrofuran
Concen: 0.272 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

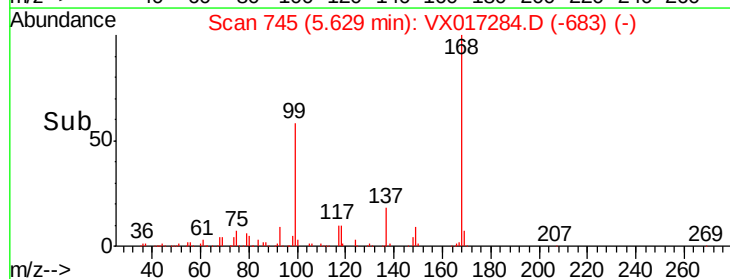
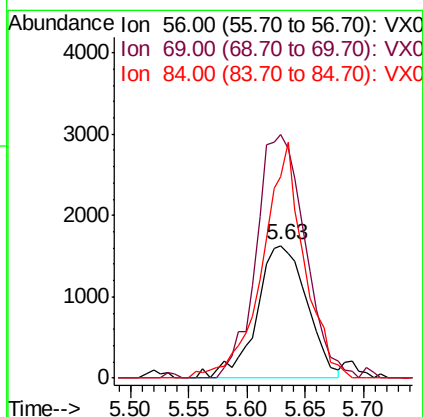
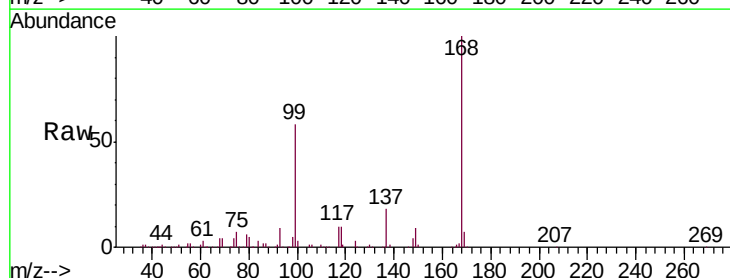
Instrument :
MSVOA_X
ClientSampled :
PB130017TB

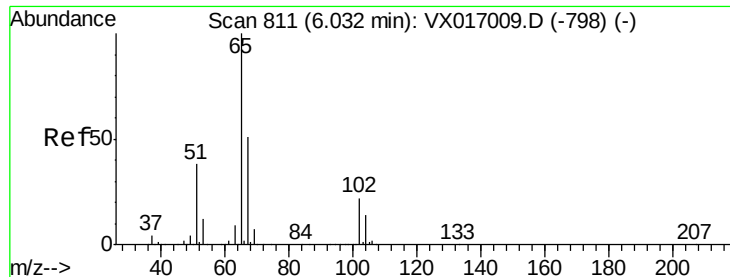
Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
72 128.1 35.3 52.9#
71 147.7 33.1 49.7#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

Tgt Ion: 56 Resp: 4882
Ion Ratio Lower Upper
56 100
69 183.4 25.0 37.4#
84 151.9 69.1 103.7#

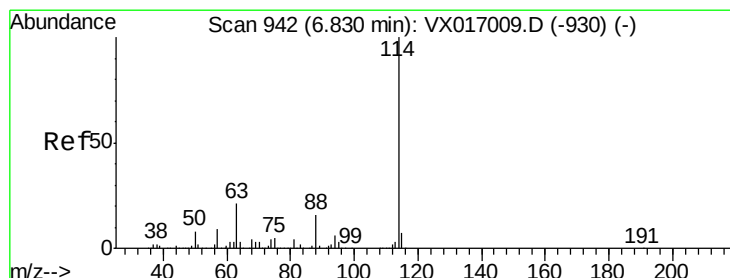
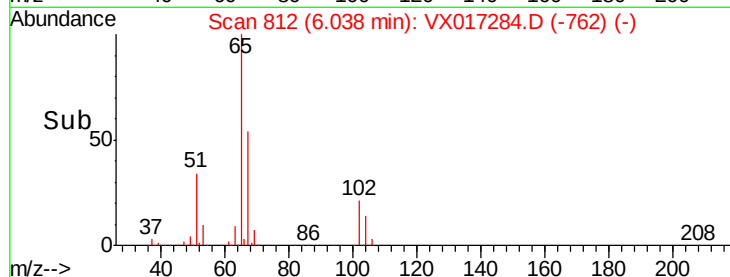
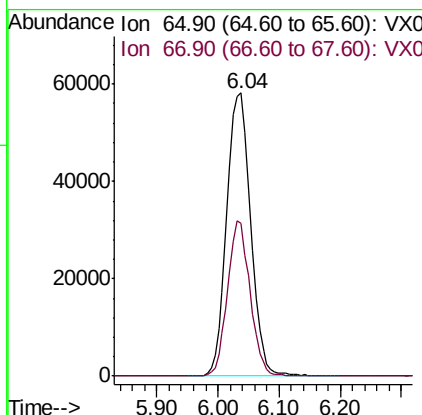
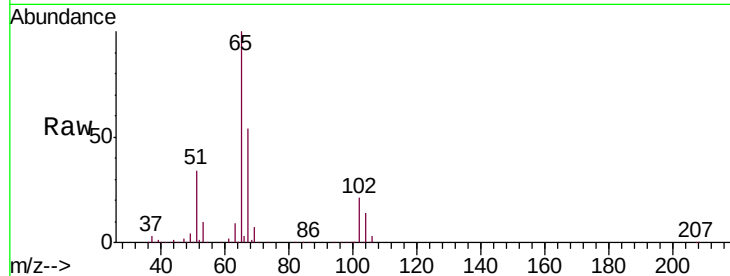




#33
 1,2-Dichloroethane-d4
 Concen: 54.079 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017284.D
 Acq: 09 Jul 2020 02:26

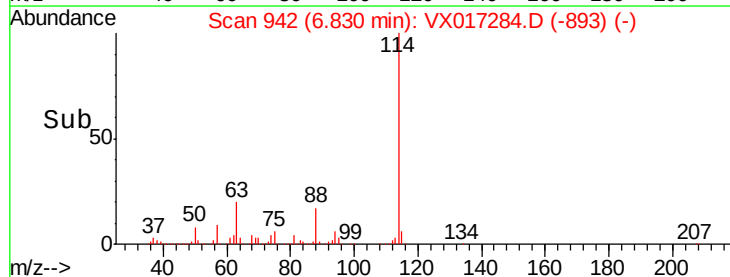
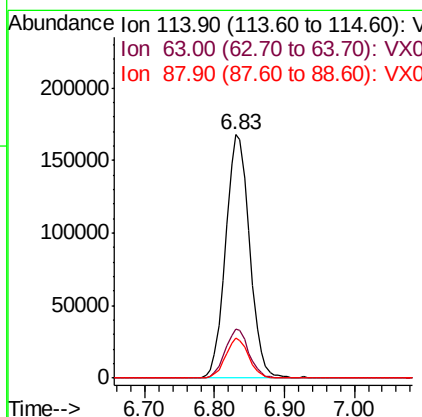
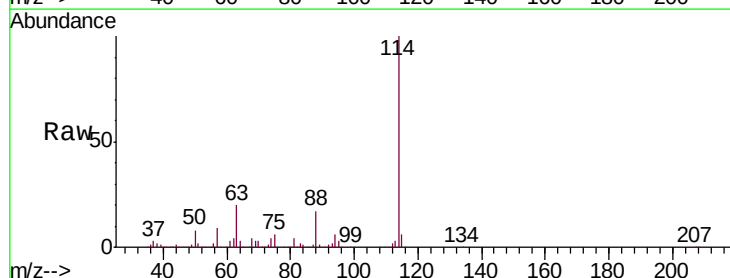
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130017TB

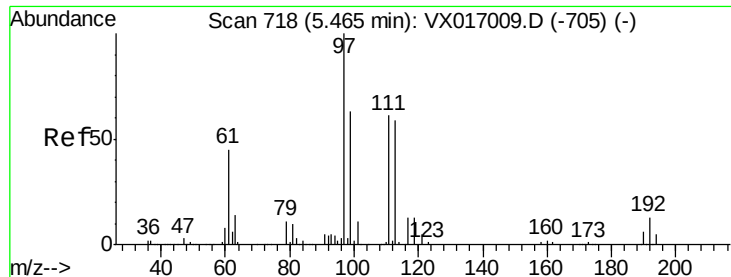
Tgt Ion: 65 Resp: 157584
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017284.D
 Acq: 09 Jul 2020 02:26

Tgt Ion: 114 Resp: 400438
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 16.5 0.0 32.4

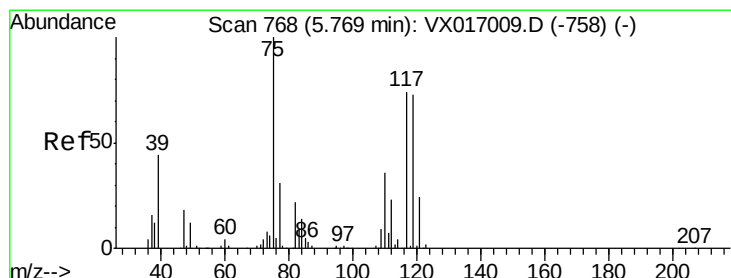
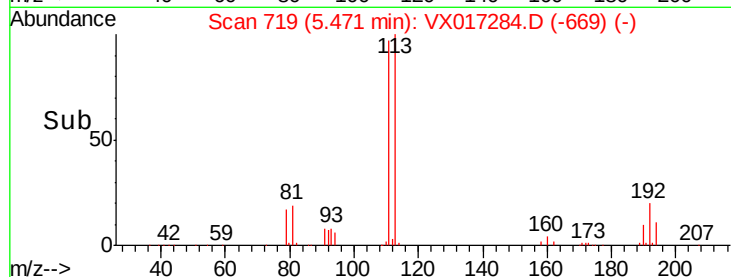
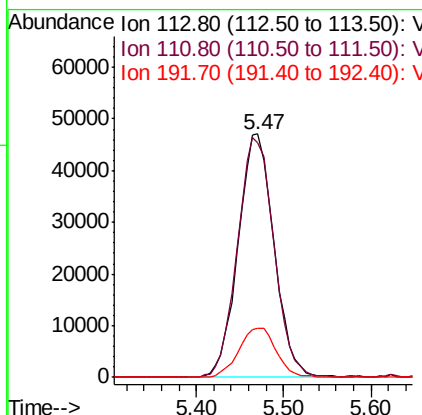
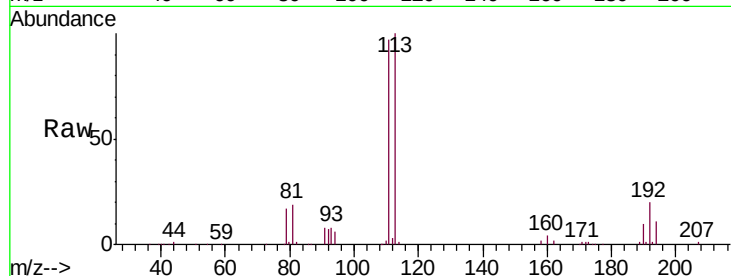




#35
 Dibromofluoromethane
 Concen: 53.117 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017284.D
 Acq: 09 Jul 2020 02:26

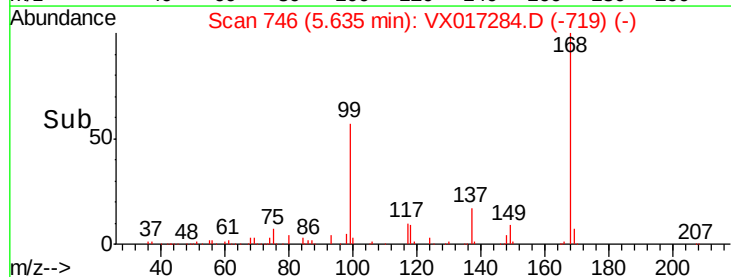
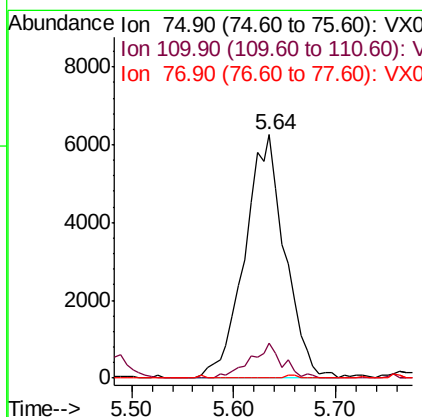
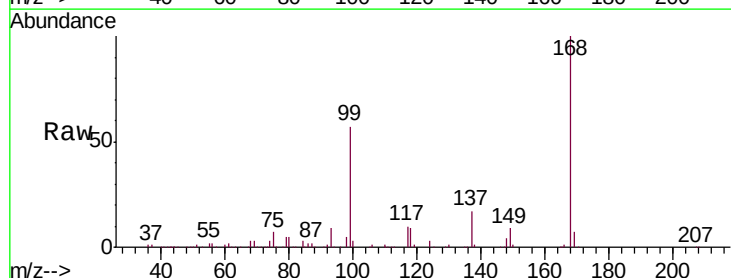
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130017TB

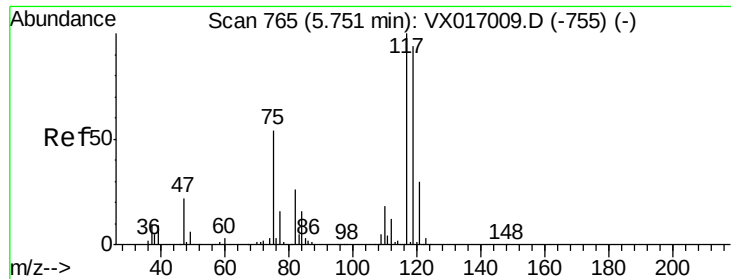
Tgt Ion:113 Resp: 134548
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.9 122.9
 192 21.2 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.534 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017284.D
 Acq: 09 Jul 2020 02:26

Tgt Ion: 75 Resp: 17158
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.1 54.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.548 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

PB130017TB

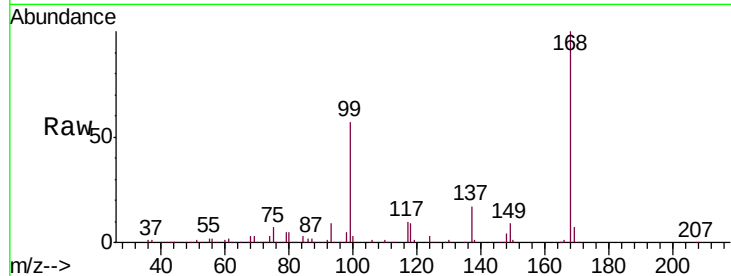
Tgt Ion:117 Resp: 23127

Ion Ratio Lower Upper

117 100

119 6.9 75.4 113.0#

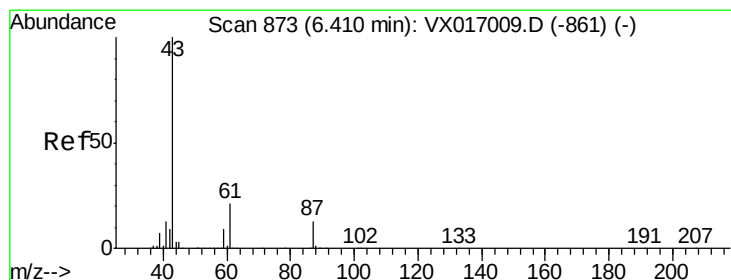
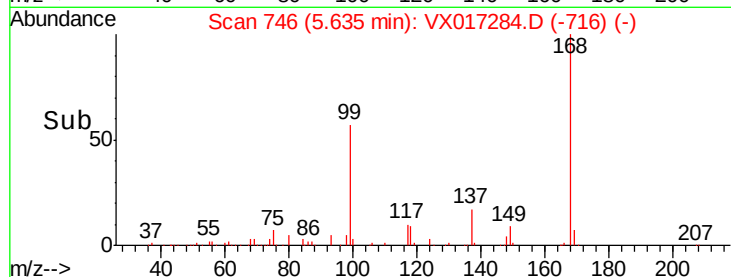
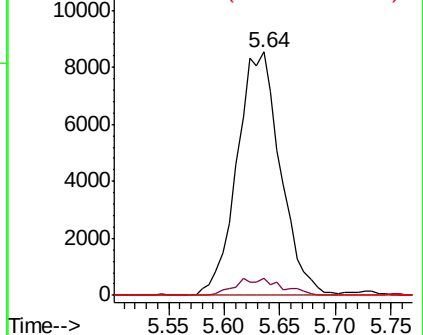
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 11.971 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

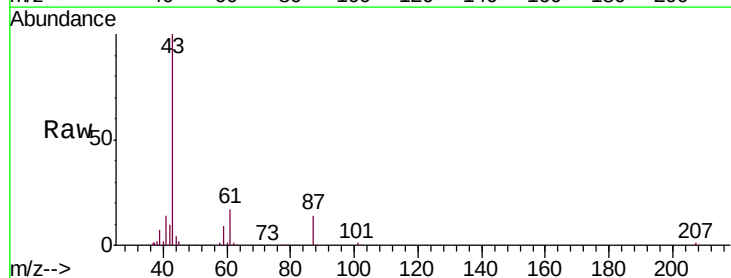
Tgt Ion: 43 Resp: 76382

Ion Ratio Lower Upper

43 100

61 20.8 16.2 24.2

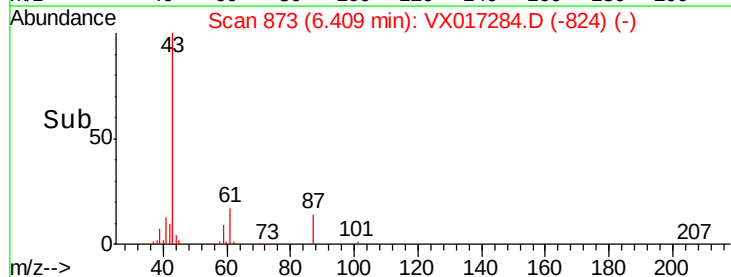
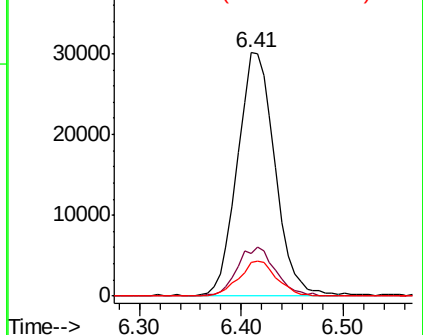
87 14.6 10.7 16.1

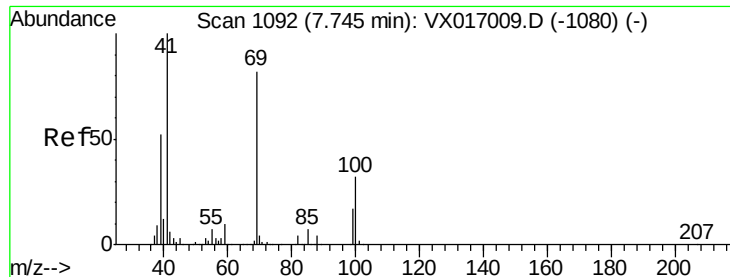


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

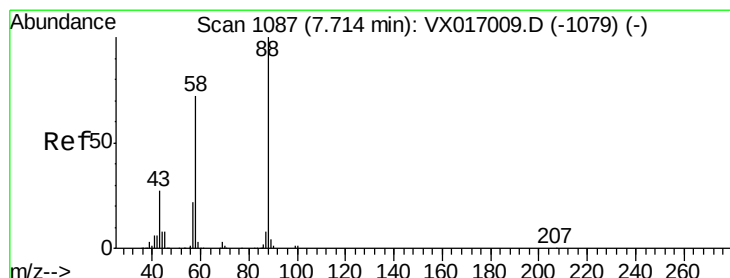
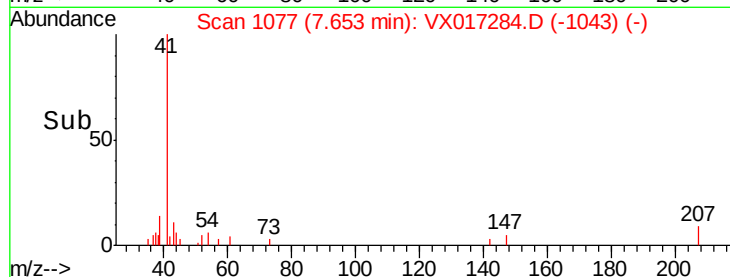
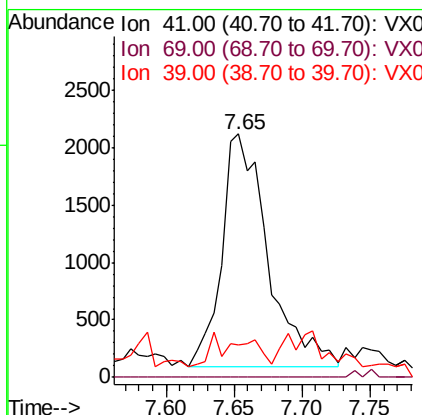
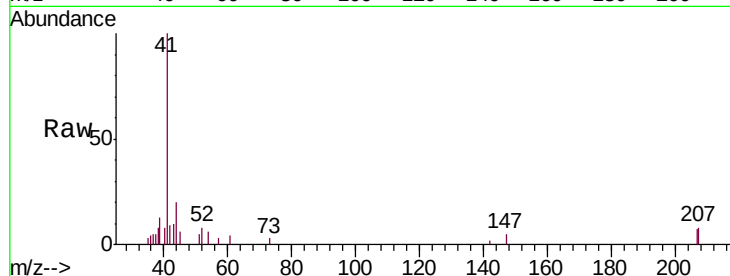




#48
Methyl methacrylate
Concen: 1.585 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

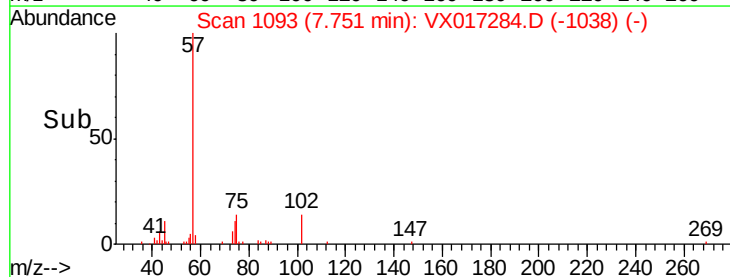
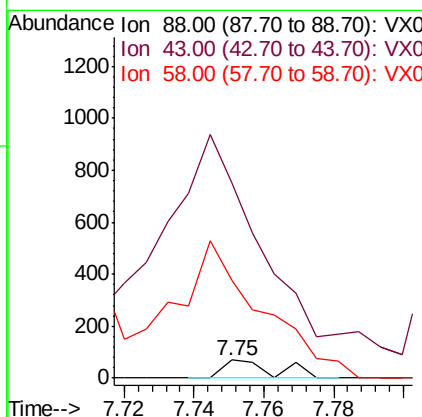
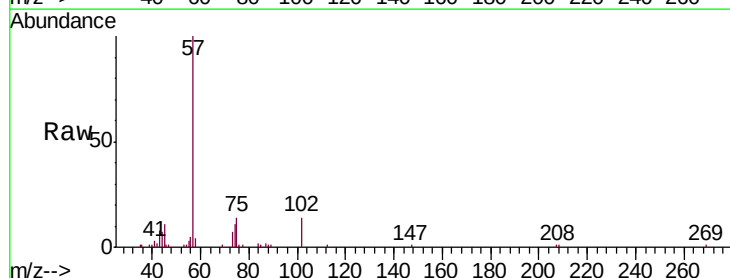
Instrument :
MSVOA_X
ClientSampled :
PB130017TB

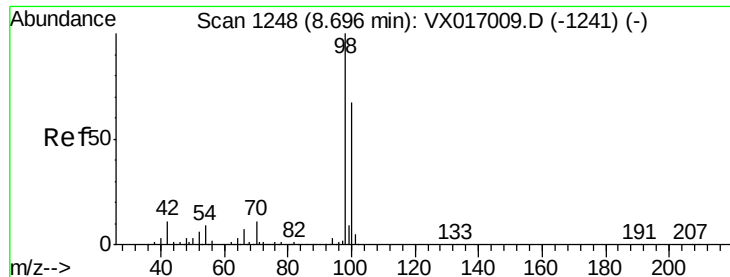
Tgt Ion: 41 Resp: 4806
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 0.0 42.5 63.7#



#49
1,4-Dioxane
Concen: 1.019 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.04 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 1207.1 54.8 82.2#

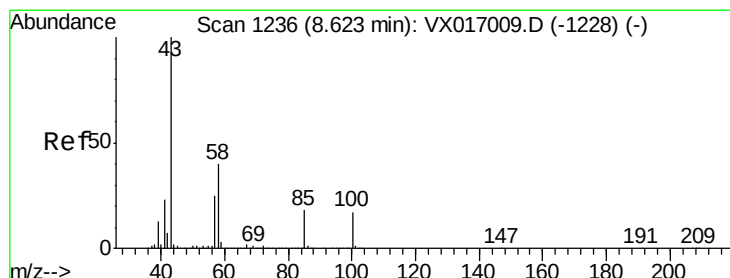
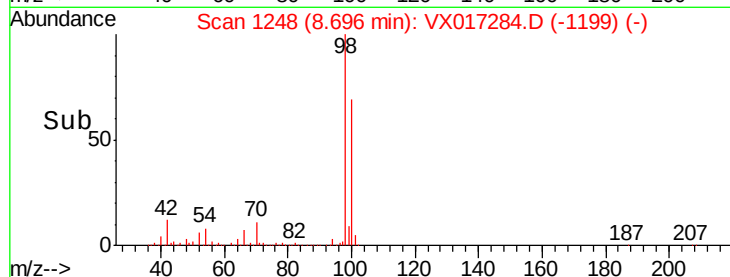
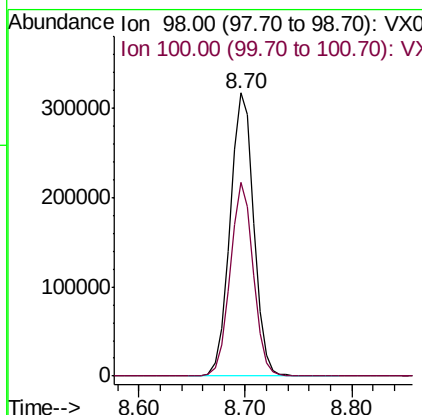
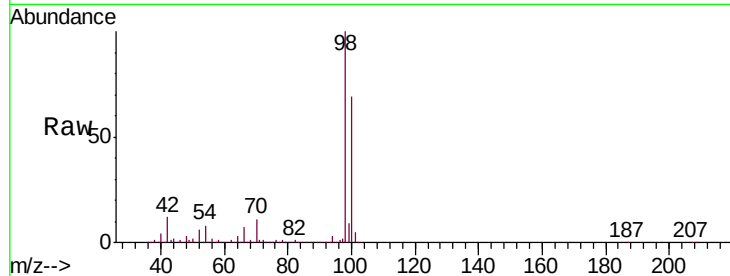




#50
Toluene-d8
Concen: 53.018 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

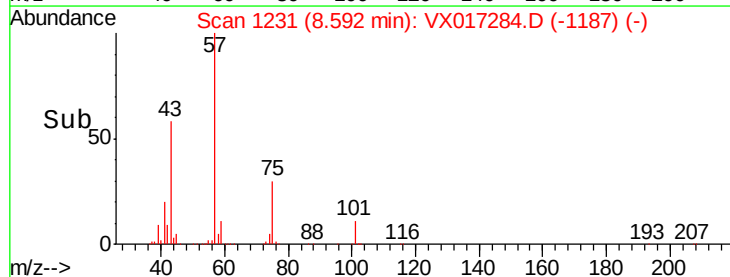
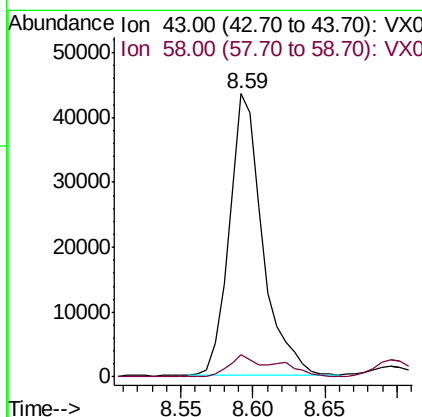
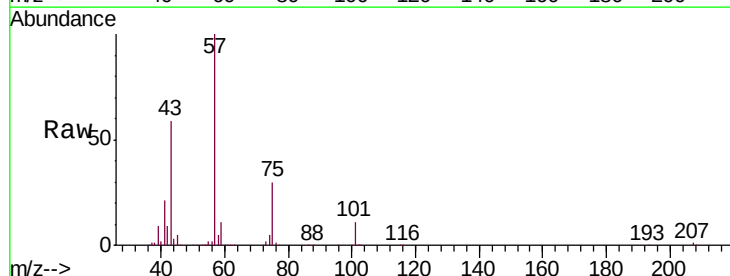
Instrument :
MSVOA_X
ClientSampleId :
PB130017TB

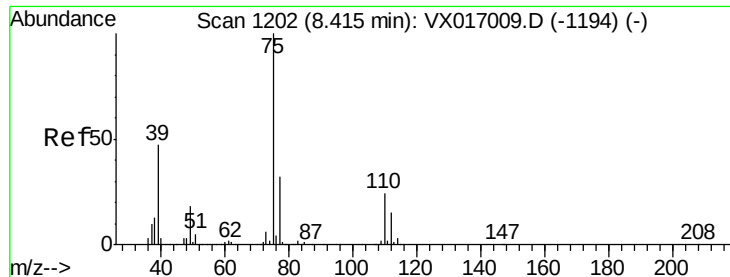
Tgt Ion: 98 Resp: 496600
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 18.452 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

Tgt Ion: 43 Resp: 70184
Ion Ratio Lower Upper
43 100
58 7.2 31.9 47.9#





#54

cis-1,3-Dichloropropene

Concen: 6.986 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

PB130017TB

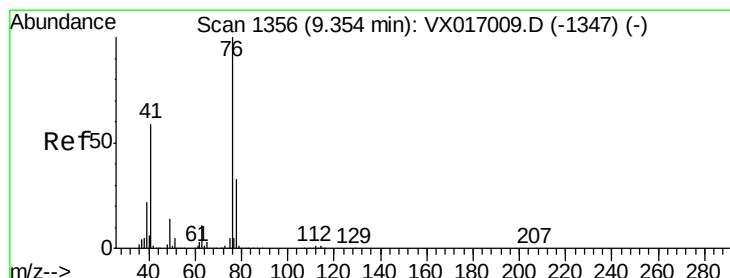
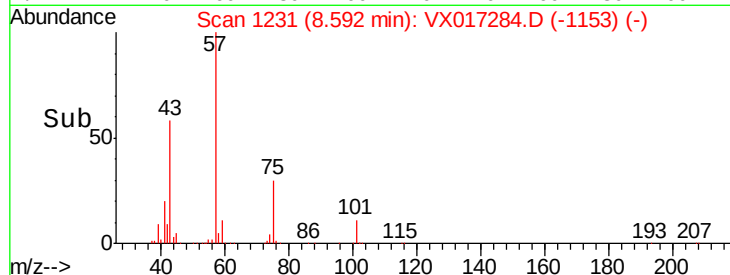
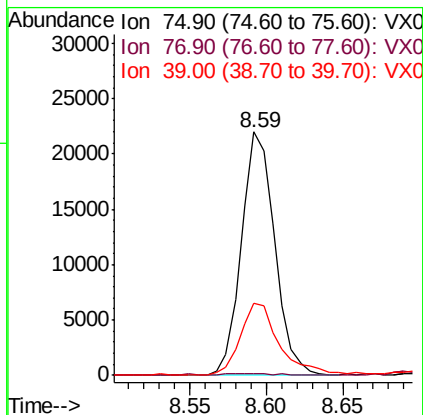
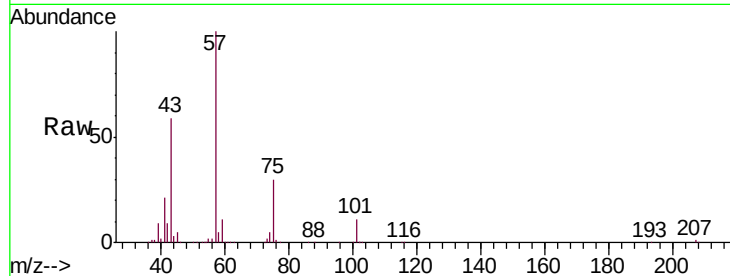
Tgt Ion: 75 Resp: 33205

Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

39 29.8 37.4 56.2#



#57

1,3-Dichloropropene

Concen: 1.370 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017284.D

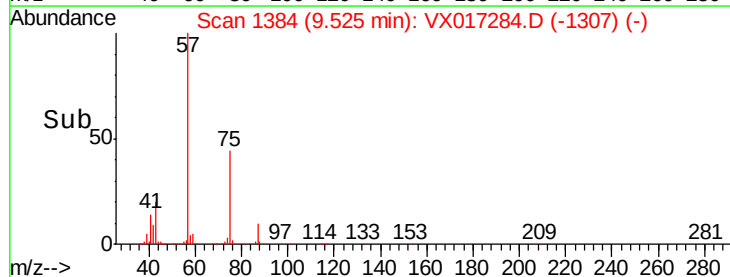
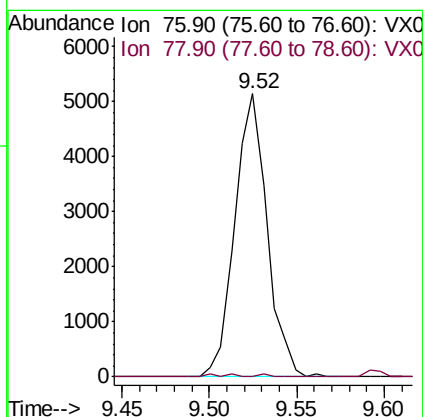
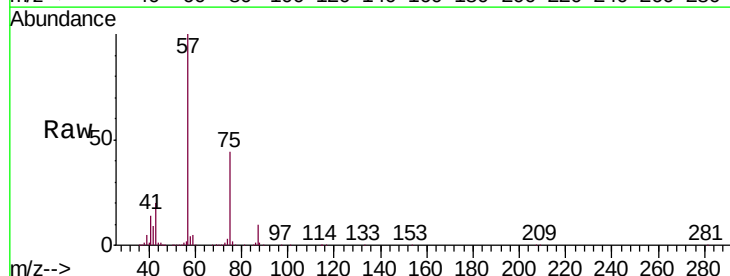
Acq: 09 Jul 2020 02:26

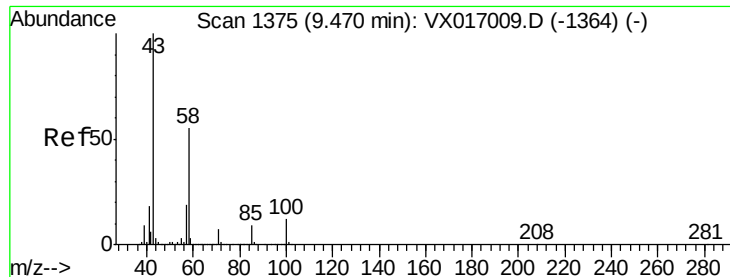
Tgt Ion: 76 Resp: 6574

Ion Ratio Lower Upper

76 100

78 0.3 25.9 38.9#

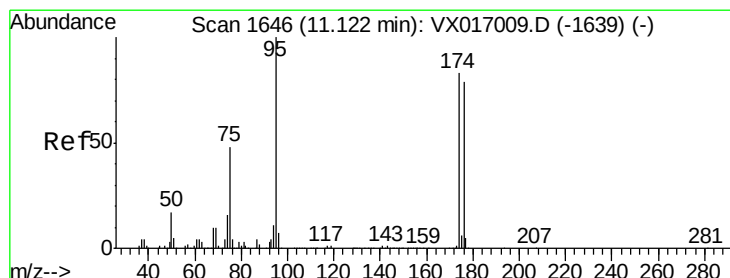
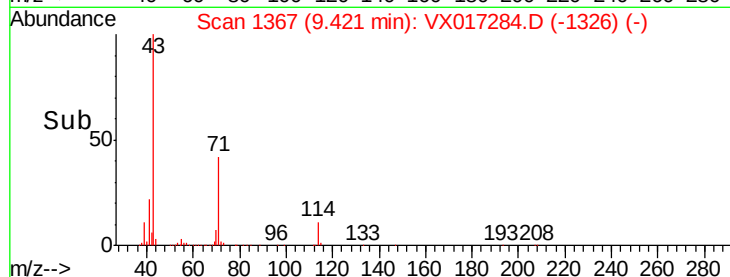
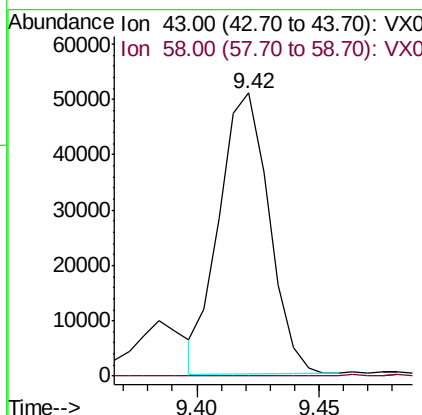
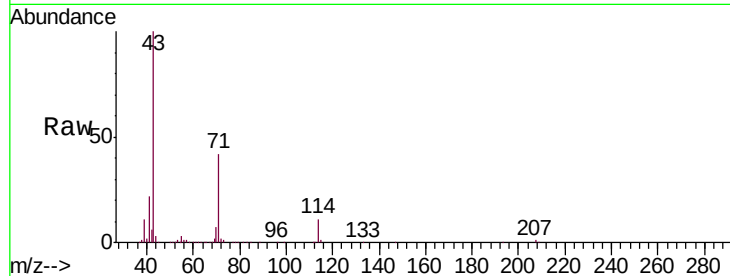




#59
2-Hexanone
Concen: 25.816 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

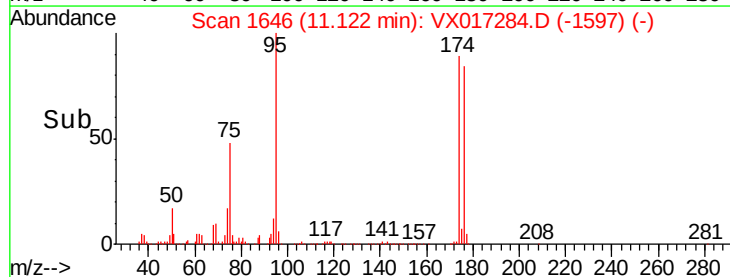
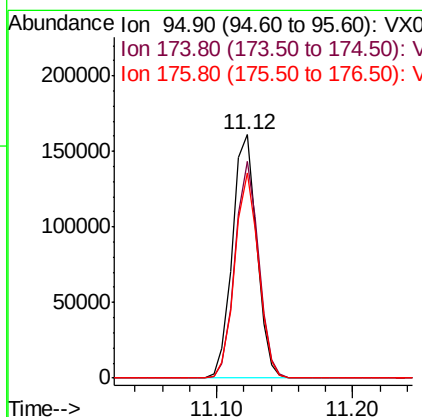
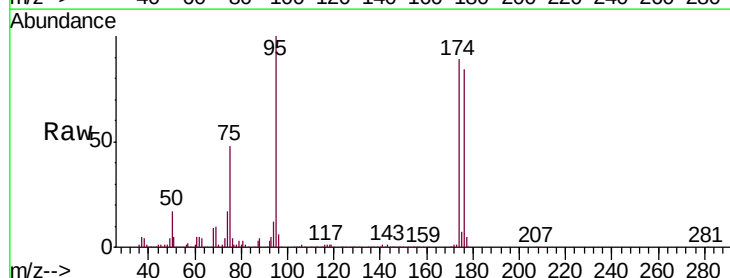
Instrument :
MSVOA_X
ClientSampleId :
PB130017TB

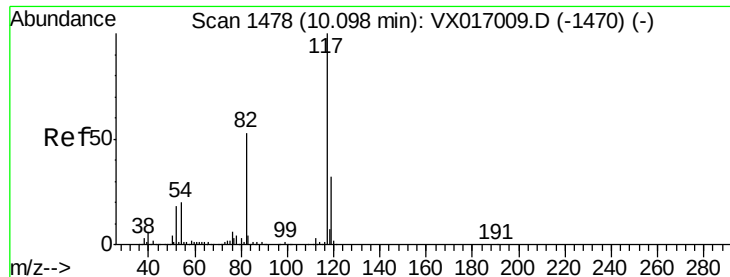
Tgt Ion: 43 Resp: 71713
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 54.974 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

Tgt Ion: 95 Resp: 201292
Ion Ratio Lower Upper
95 100
174 86.4 0.0 164.0
176 82.0 0.0 157.6

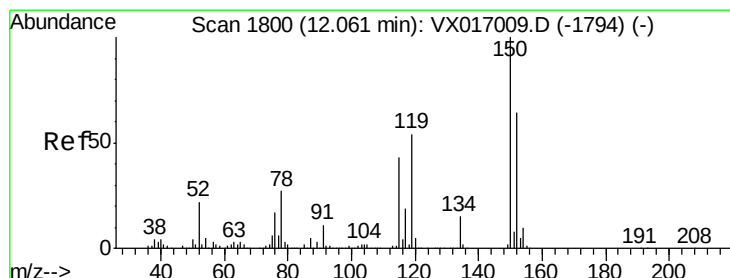
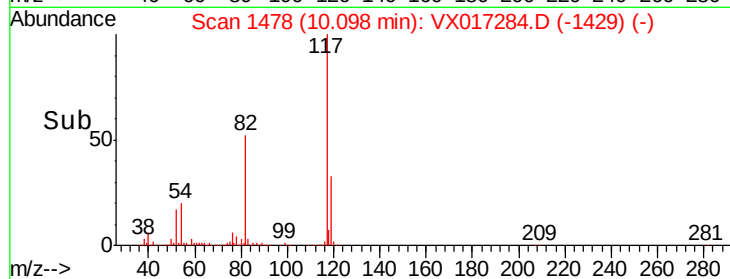
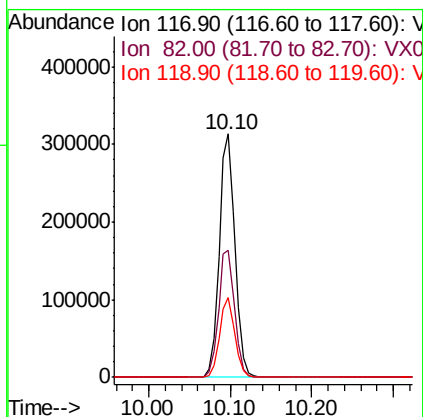
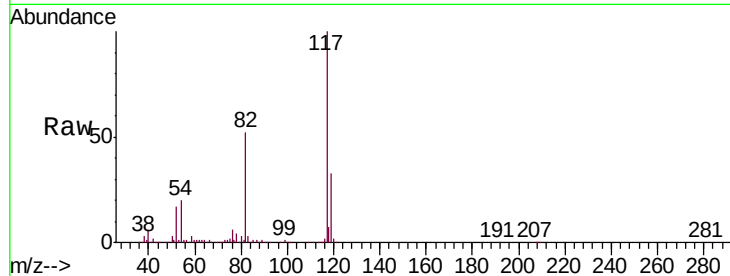




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

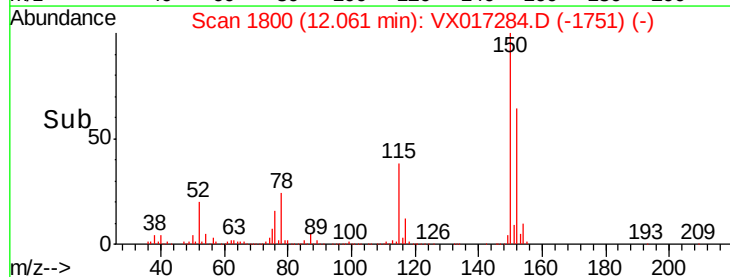
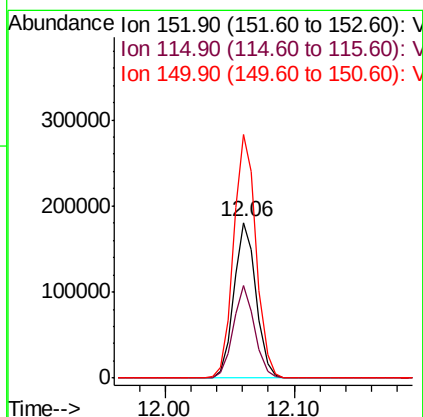
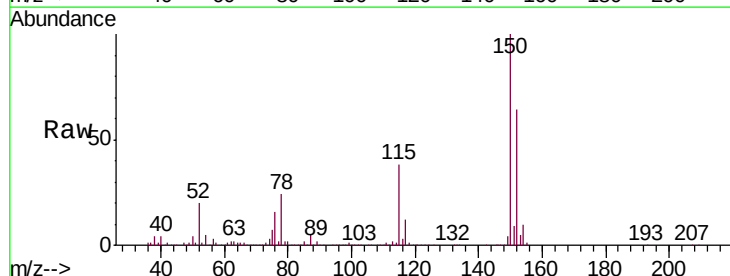
Instrument :
MSVOA_X
ClientSampleId :
PB130017TB

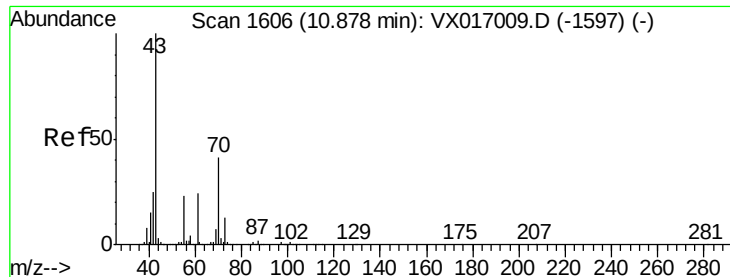
Tgt Ion:117 Resp: 422800
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017284.D
Acq: 09 Jul 2020 02:26

Tgt Ion:152 Resp: 215970
Ion Ratio Lower Upper
152 100
115 57.5 40.9 122.7
150 159.1 0.0 351.6





#74

N-ethyl acetate

Concen: 0.554 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

PB130017TB

Tgt Ion: 43 Resp: 3344

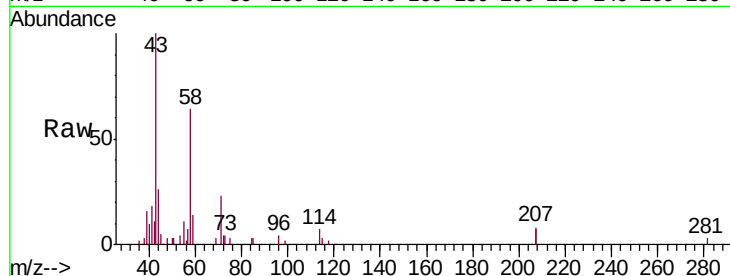
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.2#

55 14.8 19.2 28.8#

61 0.0 19.6 29.4#

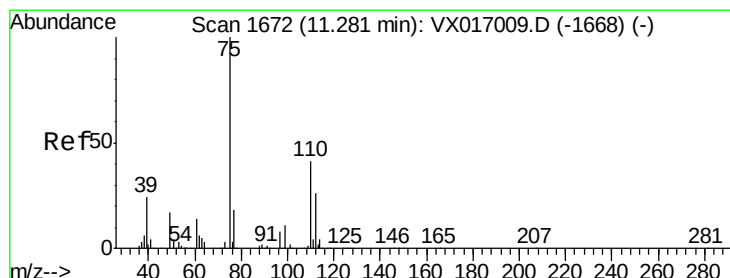
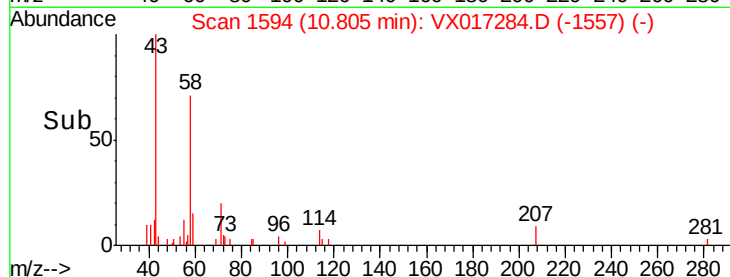
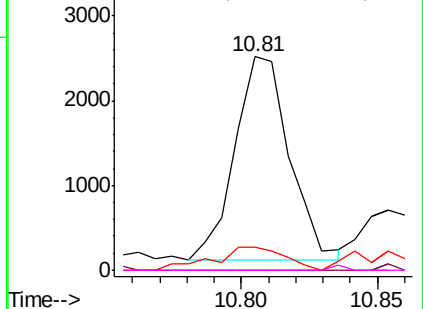


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.800 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017284.D

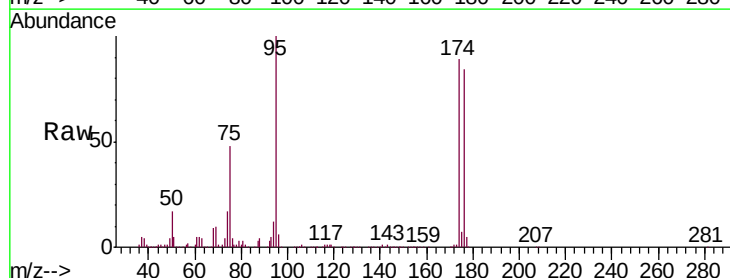
Acq: 09 Jul 2020 02:26

Tgt Ion: 75 Resp: 101079

Ion Ratio Lower Upper

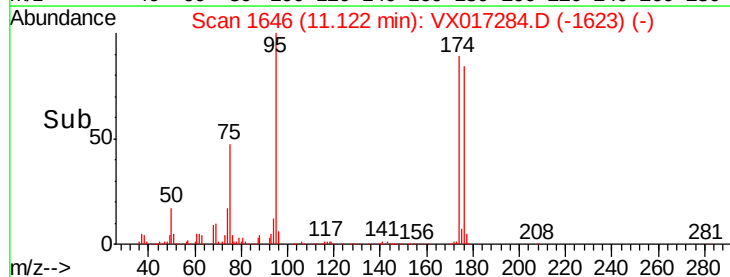
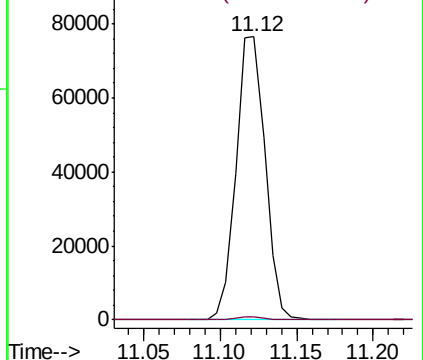
75 100

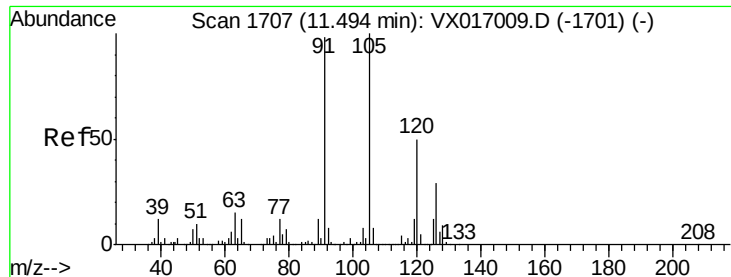
77 1.1 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.340 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

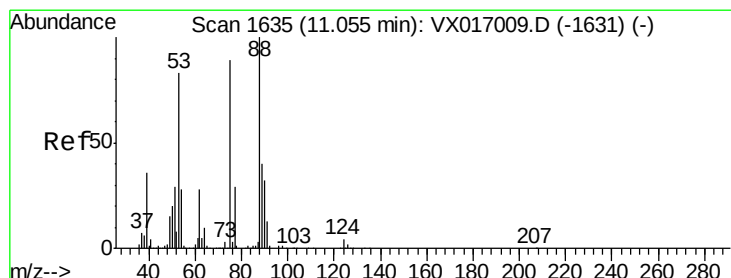
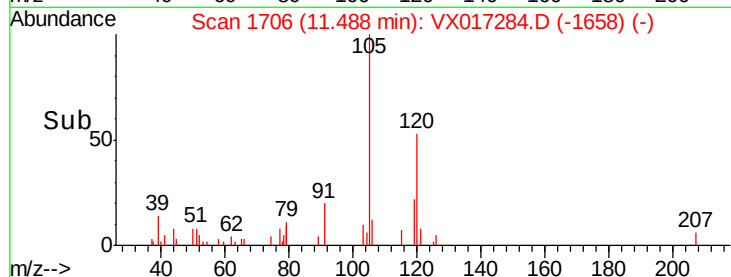
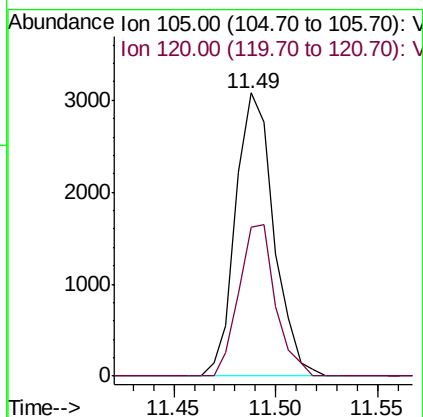
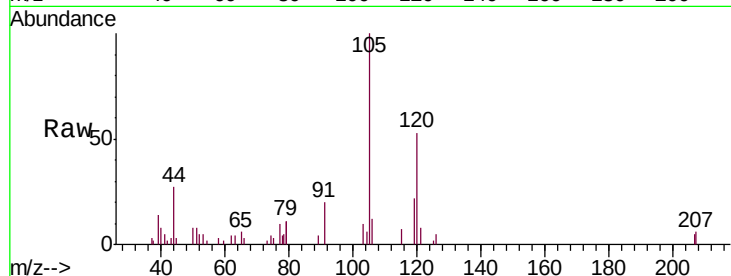
PB130017TB

Tgt Ion:105 Resp: 3994

Ion Ratio Lower Upper

105 100

120 51.3 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 61.635 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

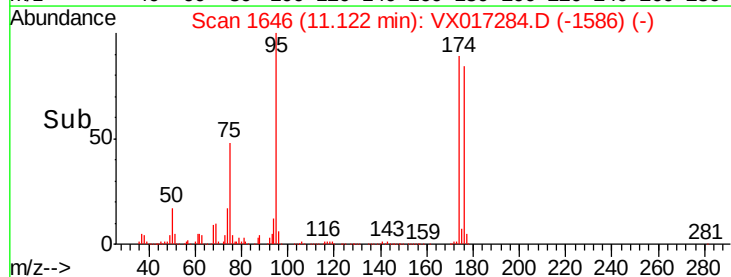
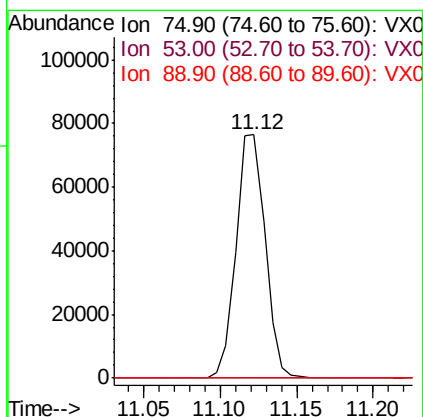
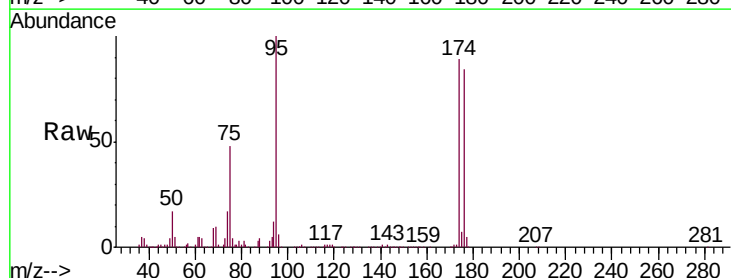
Tgt Ion: 75 Resp: 101079

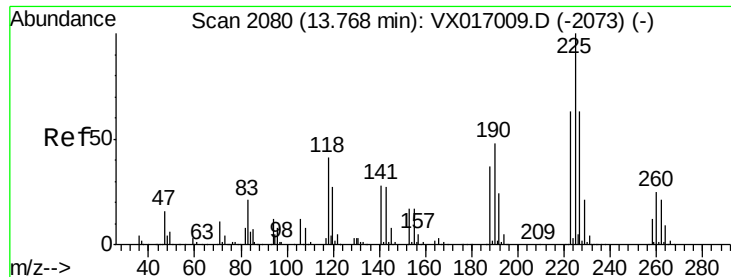
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.975 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017284.D

Acq: 09 Jul 2020 02:26

Instrument :

MSVOA_X

ClientSampleId :

PB130017TB

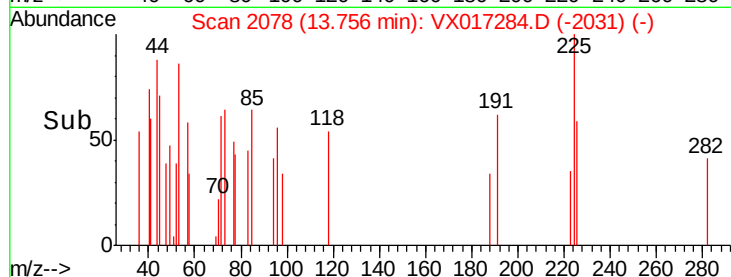
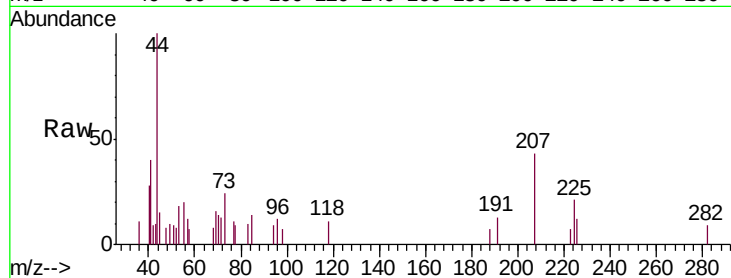
Tgt Ion:225 Resp: 227

Ion Ratio Lower Upper

225 100

223 52.9 32.5 97.5

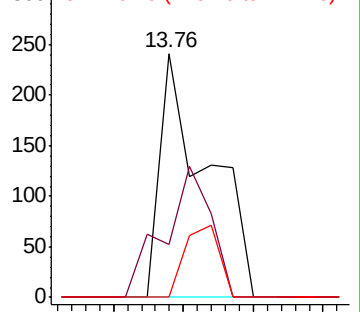
227 21.6 33.1 99.2#



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



Time-->