

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063020\
 Data File : VX017076.D
 Acq On : 01 Jul 2020 04:09
 Operator : JC/SP
 Sample : PB129852ZHE#12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#12

Quant Time: Jul 01 08:24:10 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	220733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	382229	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	411301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210964	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	149488	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	5.46	113	129327	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	8.70	98	486180	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
62) 4-Bromofluorobenzene	11.12	95	203926	58.35	ug/l	0.00
Spiked Amount			Recovery	=	116.70%	

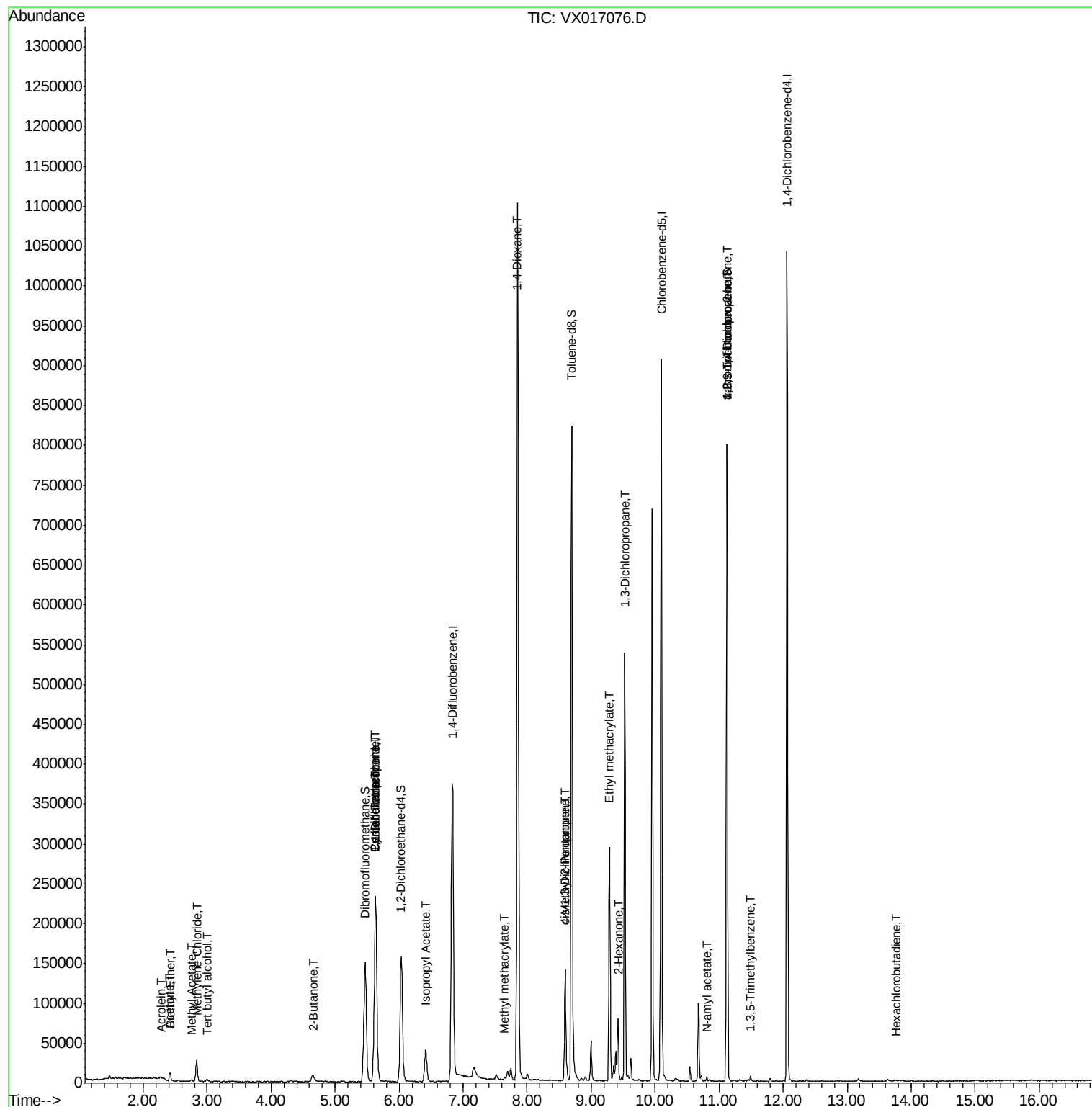
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.43	74	70	0.424	ug/l	61
11) Tert butyl alcohol	3.01	59	1904	3.668	ug/l #	85
13) Acrolein	2.28	56	300	0.967	ug/l #	82
16) Acetone	2.42	43	10820	10.629	ug/l #	88
18) Methyl Acetate	2.76	43	2520	0.948	ug/l #	83
20) Methylene Chloride	2.84	84	11998	4.426	ug/l	92
25) 2-Butanone	4.65	43	4826	2.845	ug/l	92
31) Cyclohexane	5.62	56	4287	1.167	ug/l #	4
36) 1,1-Dichloropropene	5.64	75	17166	4.752	ug/l #	51
38) Carbon Tetrachloride	5.63	117	22282	5.600	ug/l #	17
43) Isopropyl Acetate	6.42	43	53697	8.816	ug/l	98
44) Trichloroethene	7.20	130	598	Below Cal		81
48) Methyl methacrylate	7.65	41	2958	1.022	ug/l #	15
49) 1,4-Dioxane	7.85	88	192	2.929	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	51115	14.079	ug/l #	53
54) cis-1,3-Dichloropropene	8.59	75	22756	5.016	ug/l #	64
56) Ethyl methacrylate	9.29	69	1348	0.350	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	4634	1.011	ug/l #	45
59) 2-Hexanone	9.42	43	49576	18.697	ug/l #	23
74) N-amyl acetate	10.81	43	2562	0.435	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	101747	24.526	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	2553	0.223	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	101747	63.514	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	799	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	75	0.888	ug/l #	64

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063020\
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Acq On : 01 Jul 2020 04:09
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Sample : PB129852ZHE#12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#12

Quant Time: Jul 01 08:24:10 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# 745

Delta R.T. -0.01 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

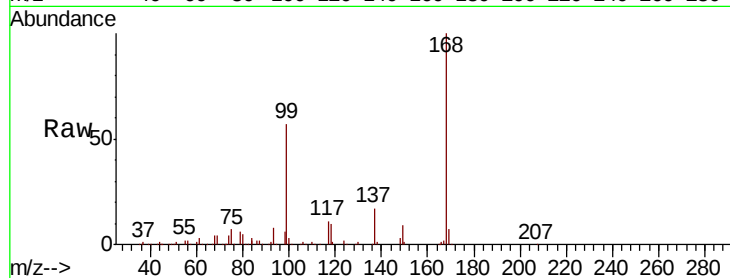
PB129852ZHE#12

Tot Ion:168 Resp: 220733

Ion Ratio Lower Upper

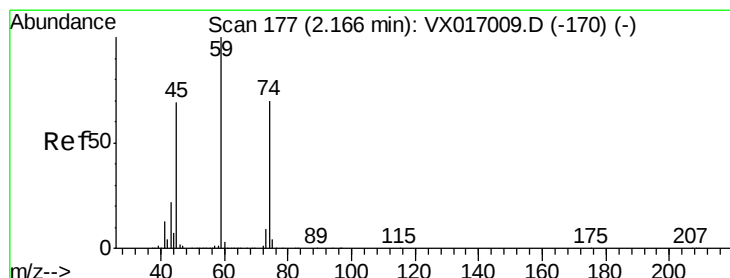
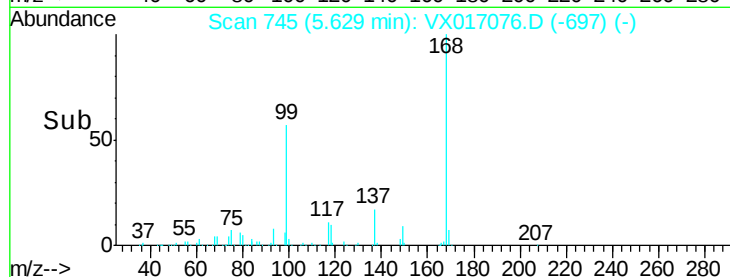
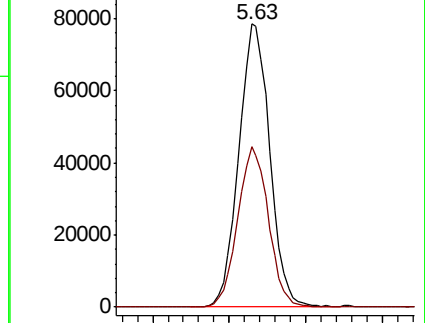
168 100

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



#8

Diethyl Ether

Concen: 0.424 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.26 min

Lab File: VX017076.D

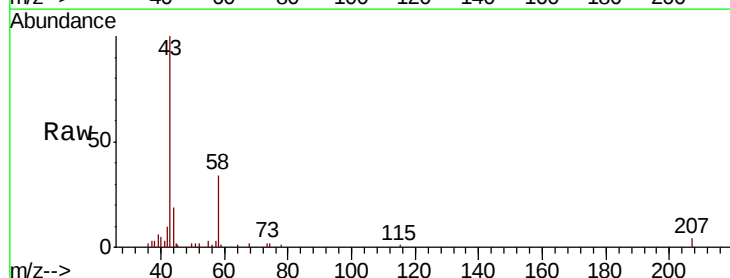
Acq: 01 Jul 2020 04:09

Tgt Ion: 74 Resp: 70

Ion Ratio Lower Upper

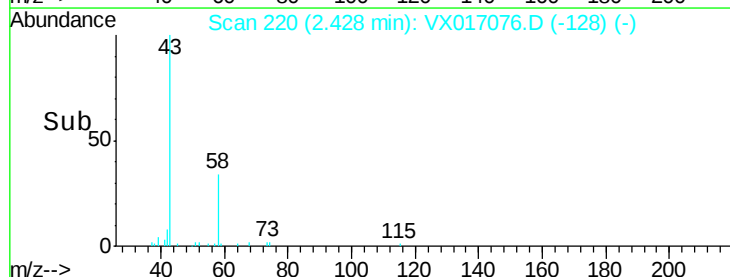
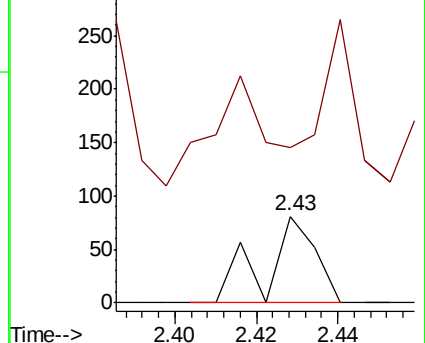
74 100

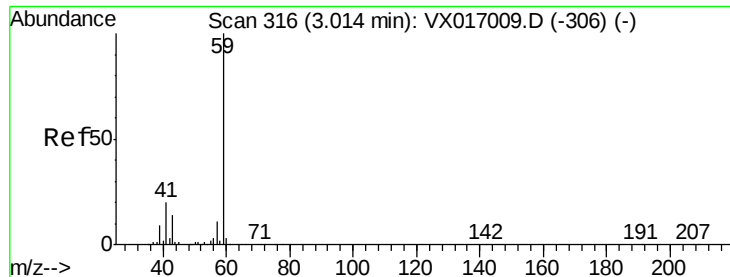
45 138.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

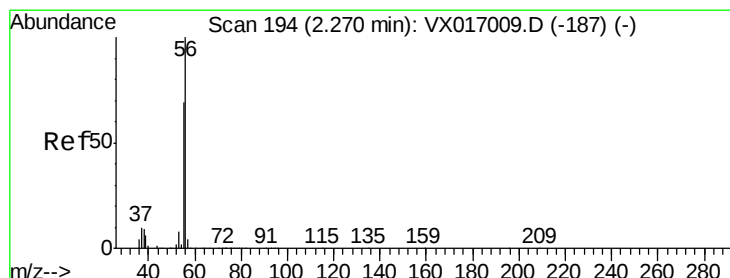
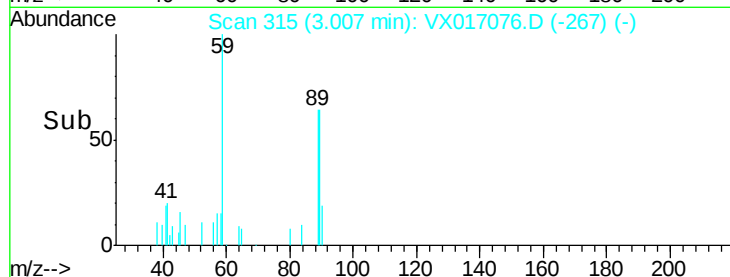
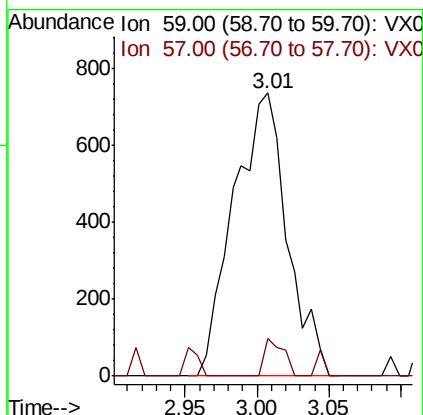
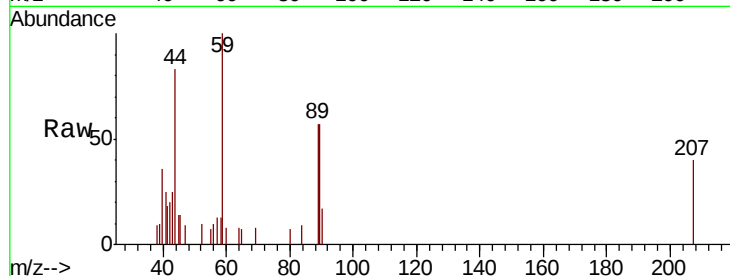




#11
Tert butyl alcohol
Concen: 3.668 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

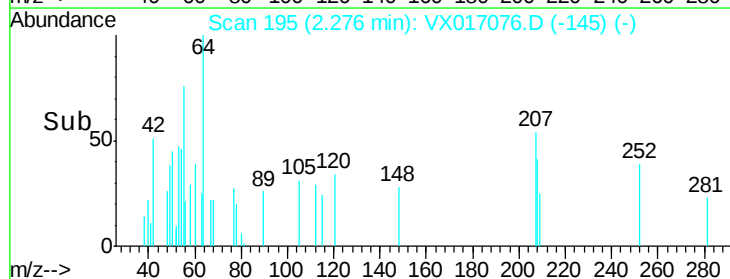
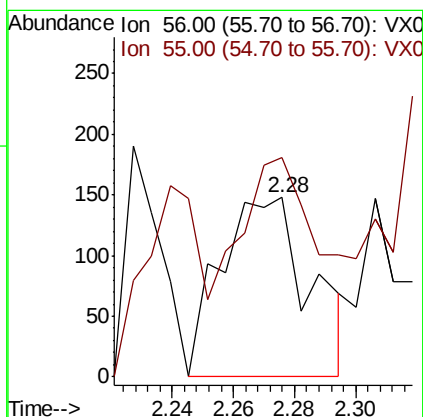
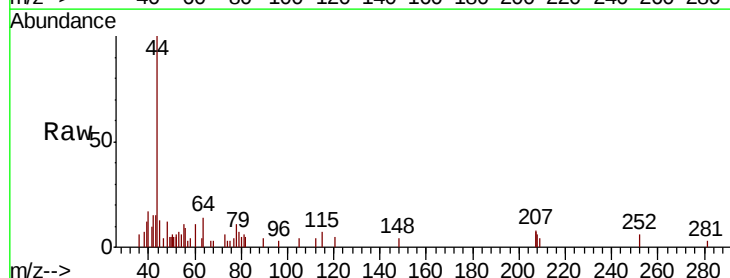
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#12

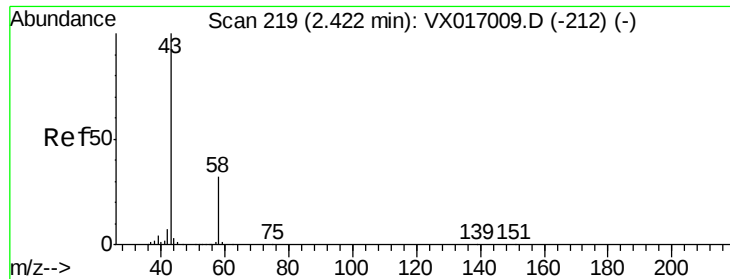
Tot Ion: 59 Resp: 1904
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.2#



#13
Acrolein
Concen: 0.967 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

Tgt Ion: 56 Resp: 300
Ion Ratio Lower Upper
56 100
55 84.3 55.7 83.5#





#16

Acetone

Concen: 10.629 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

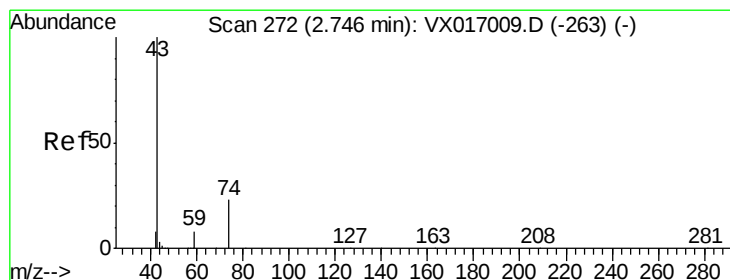
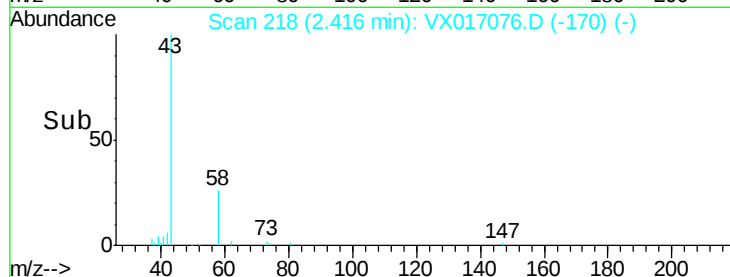
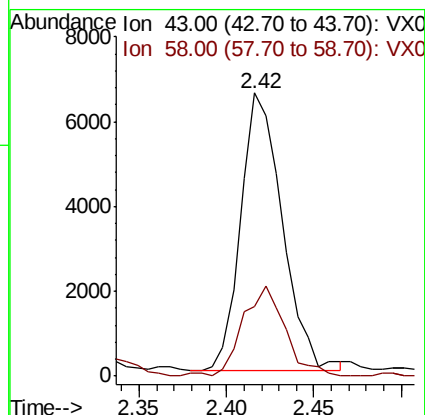
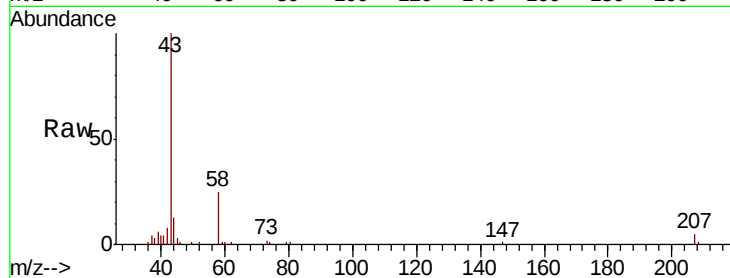
PB129852ZHE#12

Tot Ion: 43 Resp: 10820

Ion Ratio Lower Upper

43 100

58 25.3 25.7 38.5#



#18

Methyl Acetate

Concen: 0.948 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017076.D

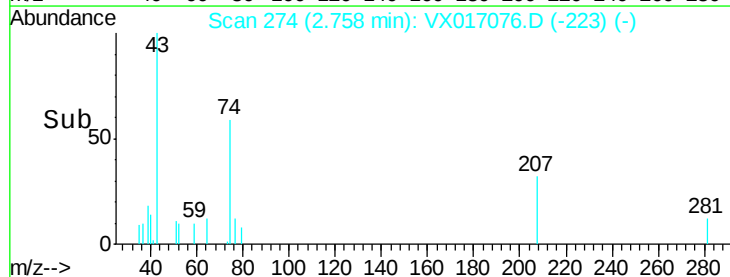
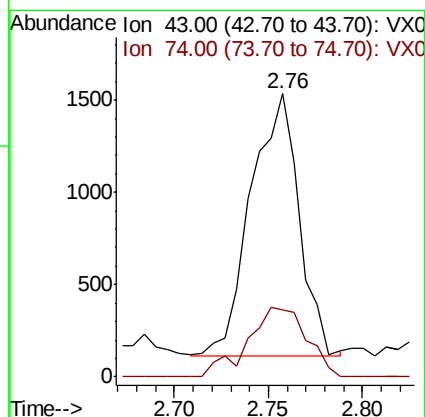
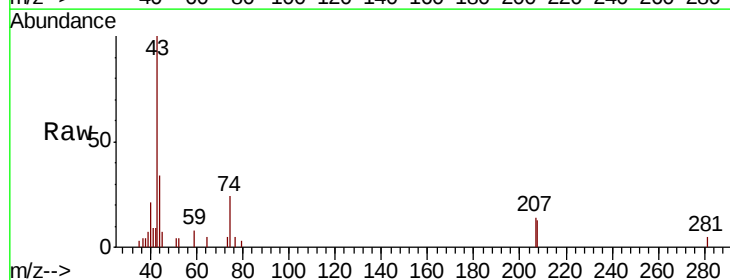
Acq: 01 Jul 2020 04:09

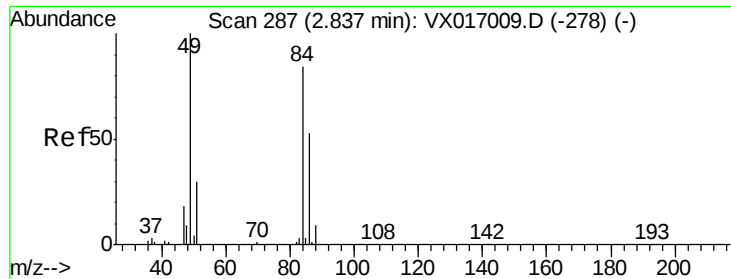
Tgt Ion: 43 Resp: 2520

Ion Ratio Lower Upper

43 100

74 32.5 19.3 28.9#

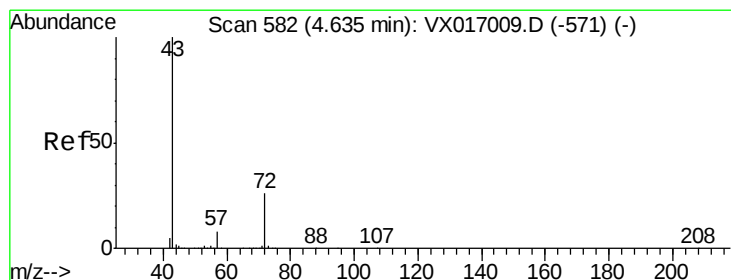
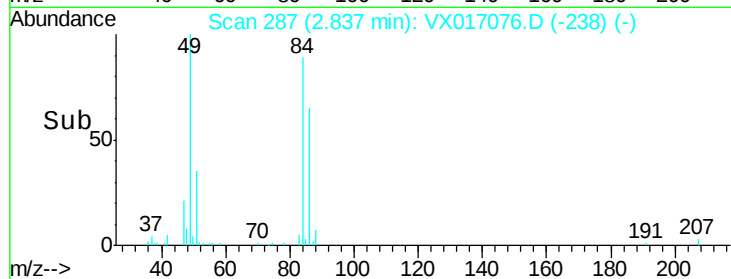
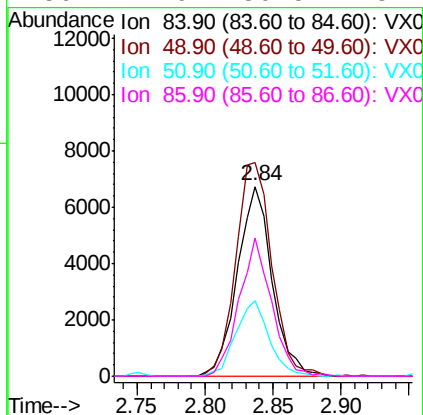
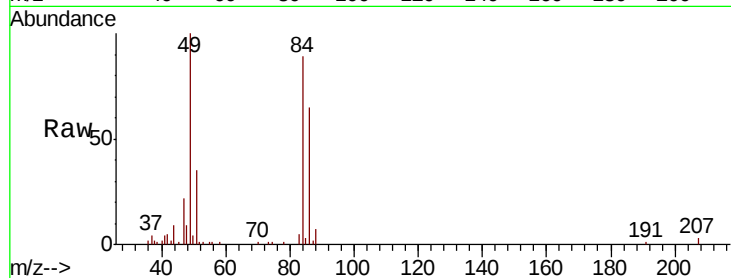




#20
Methvlene Chloride
Concen: 4.426 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

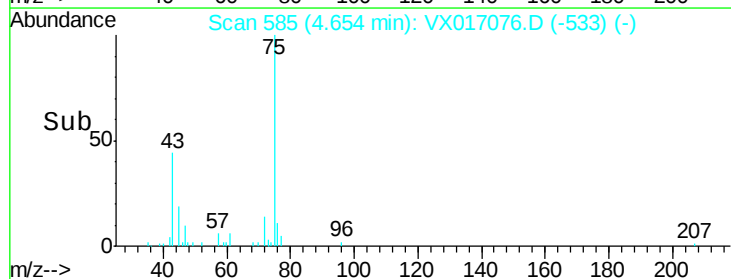
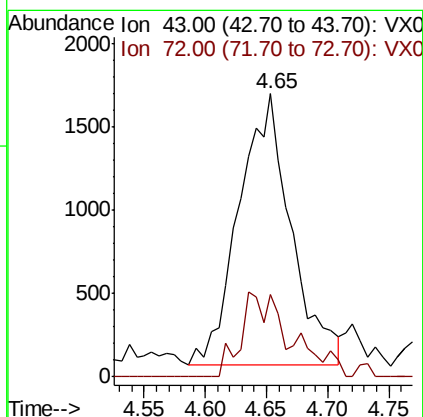
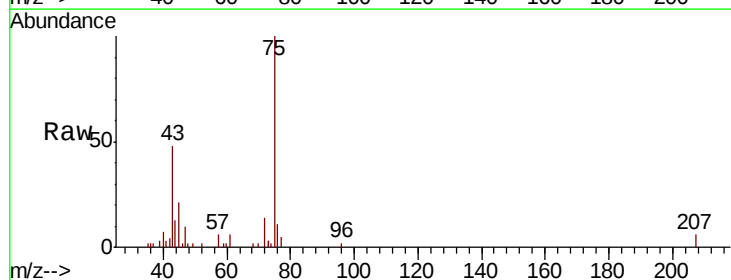
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#12

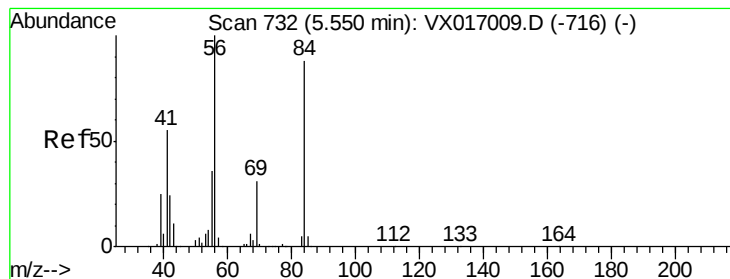
Tot Ion: 84 Resp: 11998
Ion Ratio Lower Upper
84 100
49 112.7 94.7 142.1
51 39.5 28.6 42.8
86 72.9 50.5 75.7



#25
2-Butanone
Concen: 2.845 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

Tgt Ion: 43 Resp: 4826
Ion Ratio Lower Upper
43 100
72 30.2 20.8 31.2





#31

Cyclohexane

Concen: 1.167 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#12

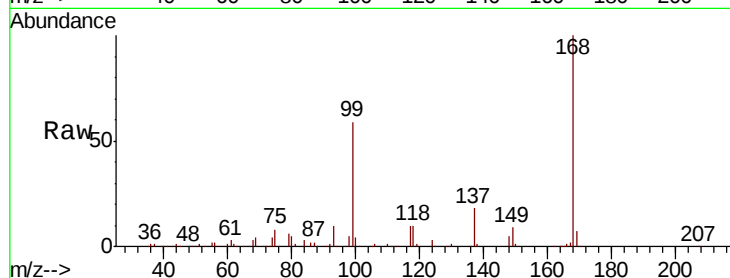
Tot Ion: 56 Resp: 4287

Ion Ratio Lower Upper

56 100

69 180.5 25.0 37.4#

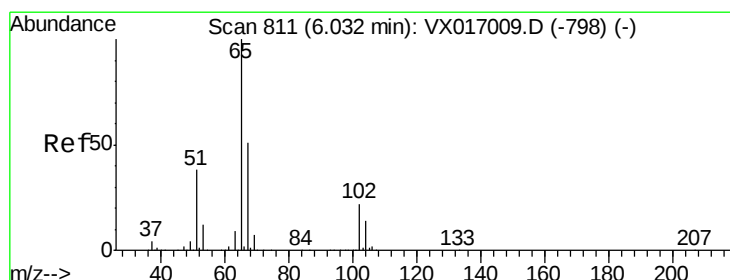
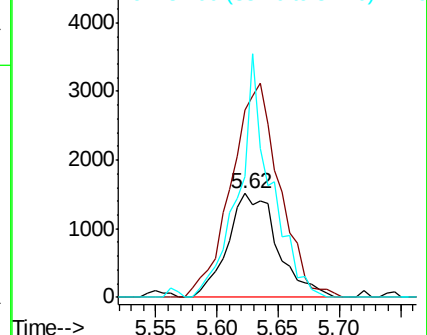
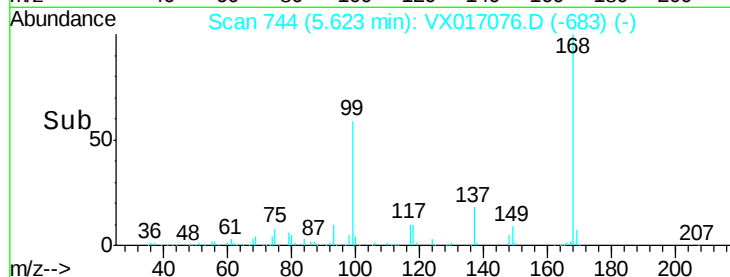
84 116.6 69.1 103.7#



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: 54.935 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017076.D

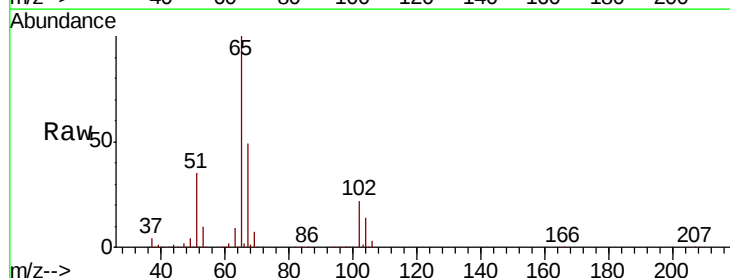
Acq: 01 Jul 2020 04:09

Tgt Ion: 65 Resp: 149488

Ion Ratio Lower Upper

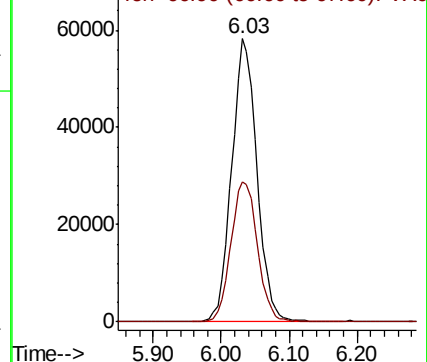
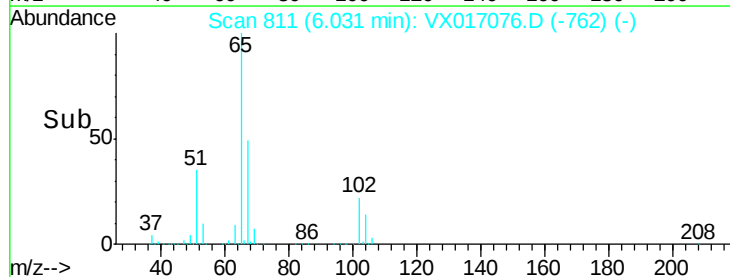
65 100

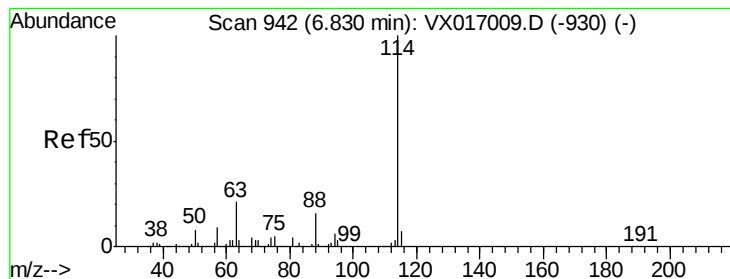
67 52.1 0.0 103.8



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: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#12

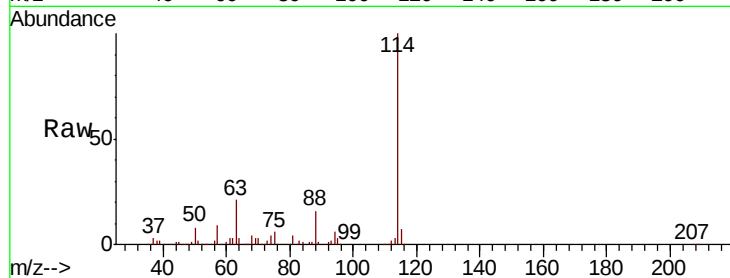
Tot Ion:114 Resp: 382229

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

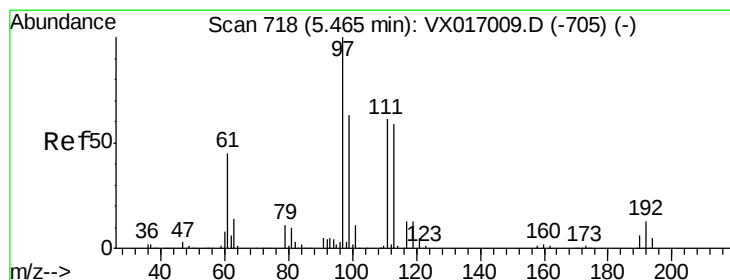
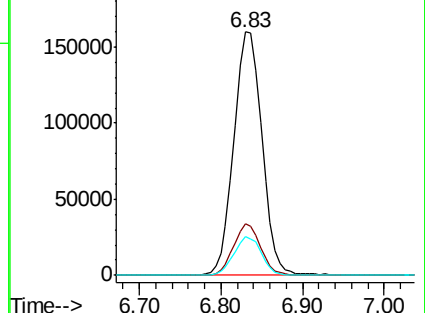
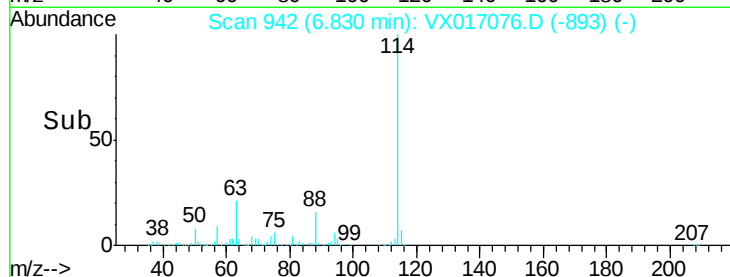
88 16.1 0.0 32.4



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: 53.488 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

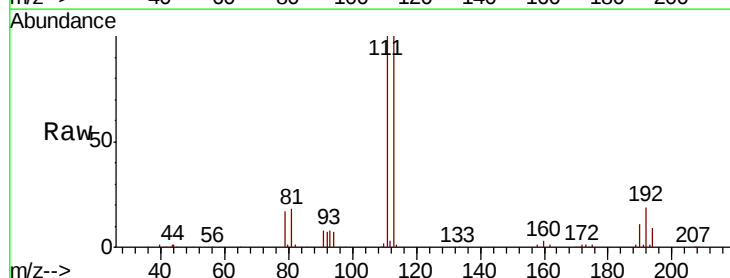
Tgt Ion:113 Resp: 129327

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

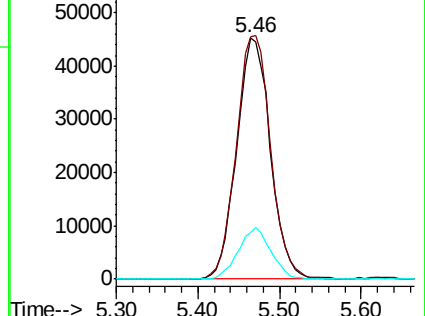
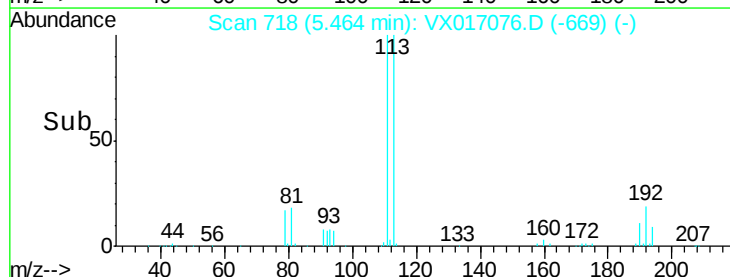
192 20.7 16.7 25.1

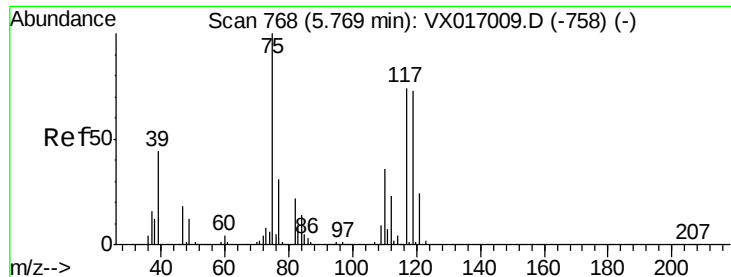


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

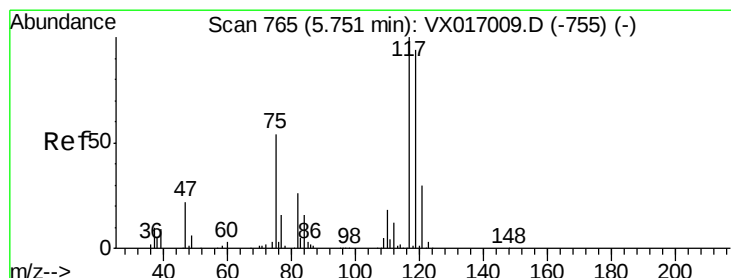
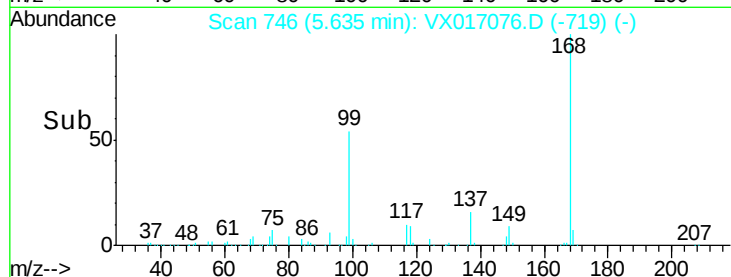
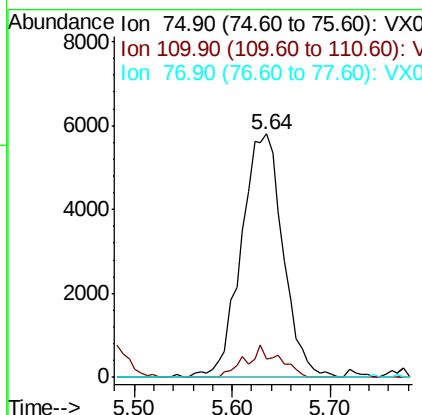
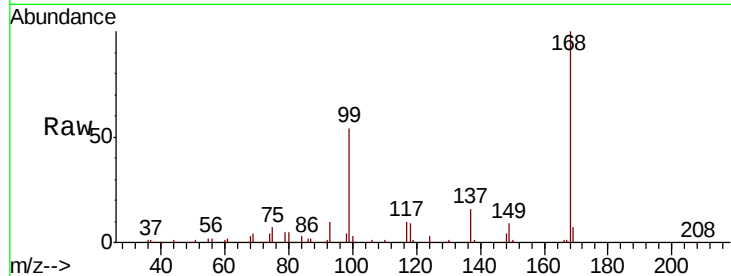




#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017076.D
 Acq: 01 Jul 2020 04:09

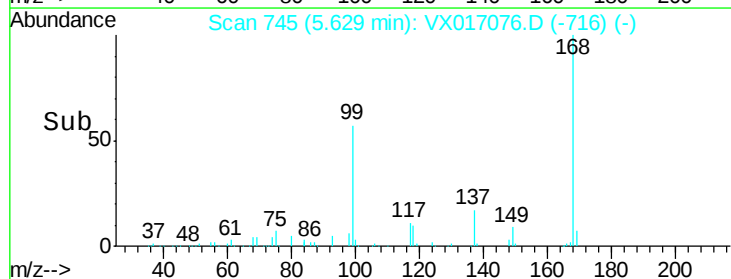
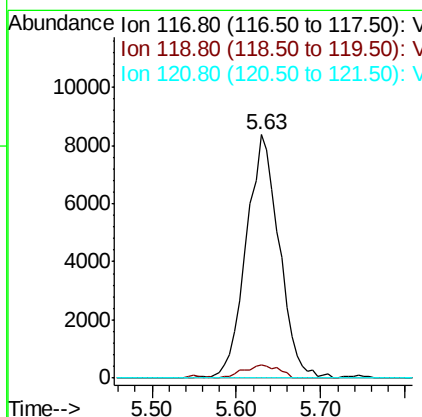
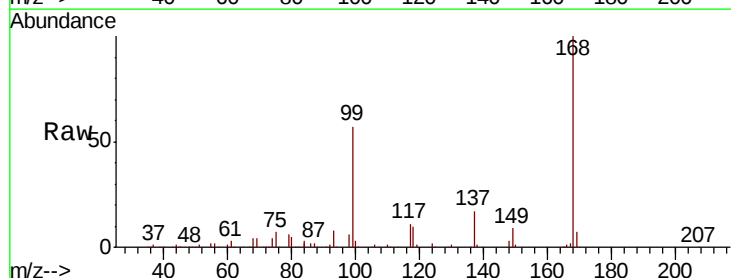
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#12

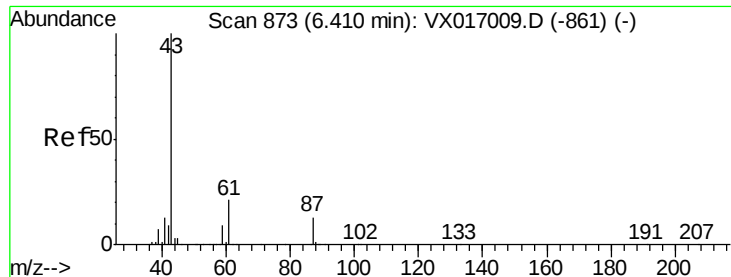
Tot Ion: 75 Resp: 17166
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.600 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017076.D
 Acq: 01 Jul 2020 04:09

Tgt Ion: 117 Resp: 22282
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.4 113.0#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 8.816 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#12

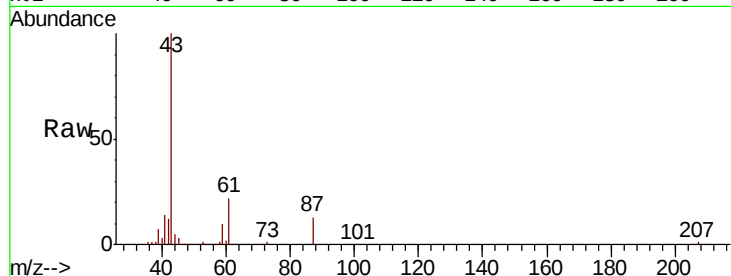
Tot Ion: 43 Resp: 53697

Ion Ratio Lower Upper

43 100

61 20.7 16.2 24.2

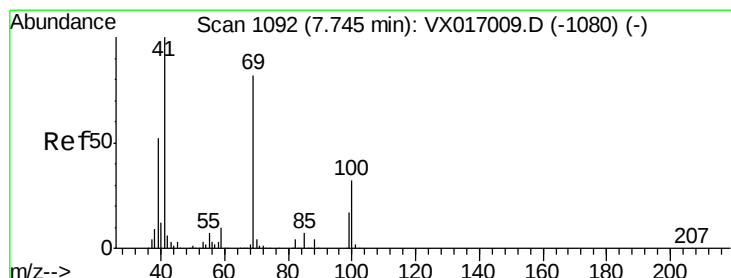
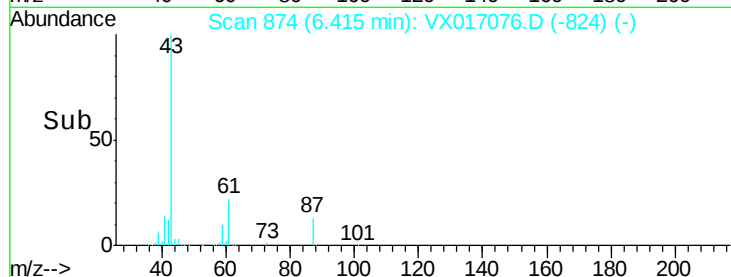
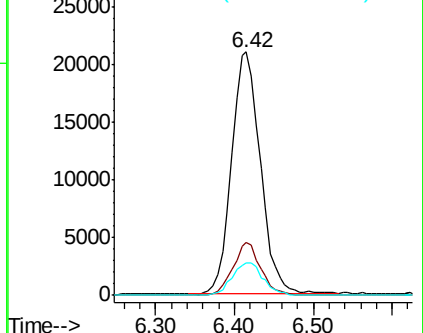
87 14.4 10.7 16.1



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: 1.022 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

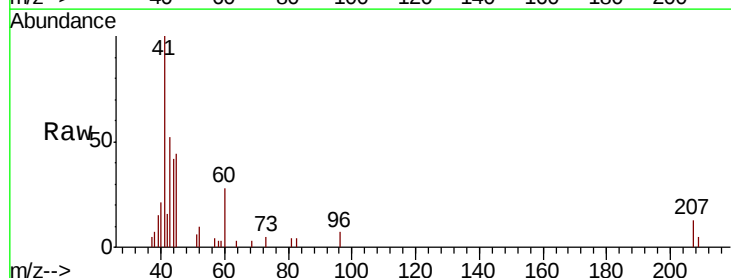
Tgt Ion: 41 Resp: 2958

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

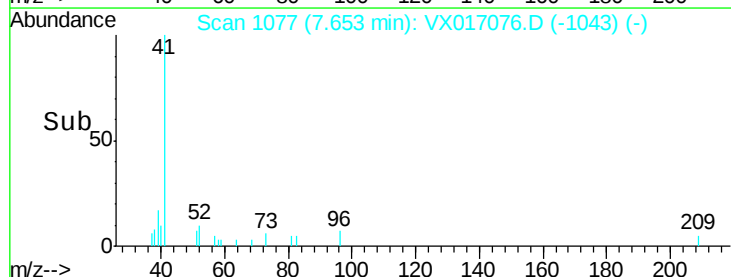
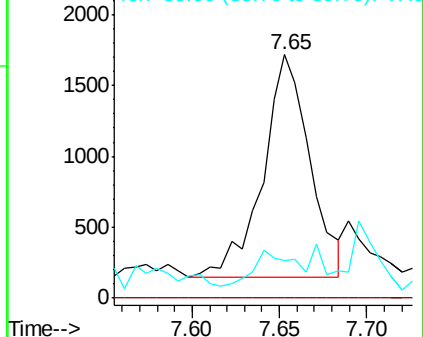
39 0.0 42.5 63.7#

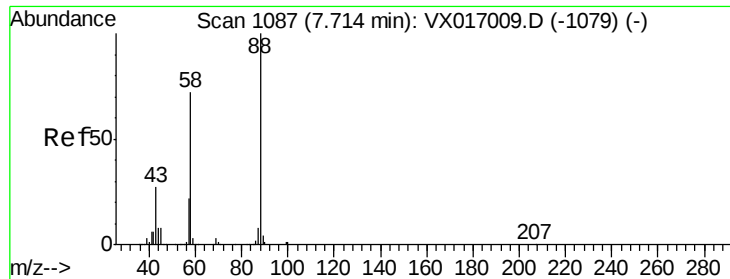


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.929 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.13 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#12

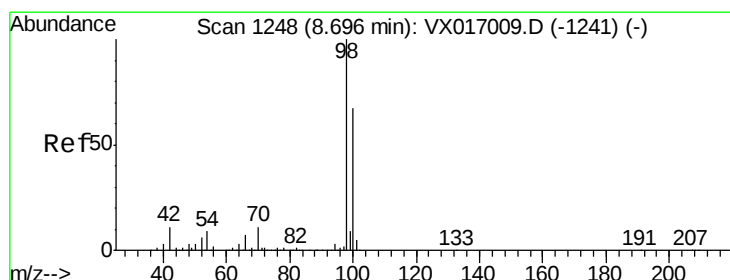
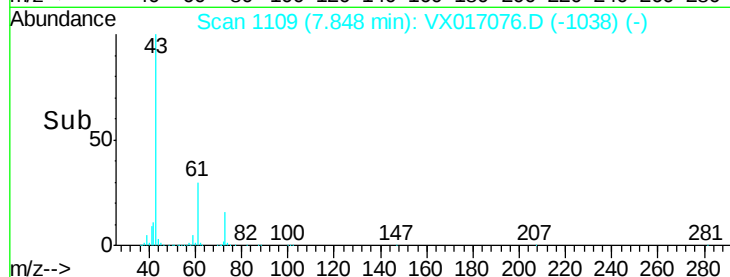
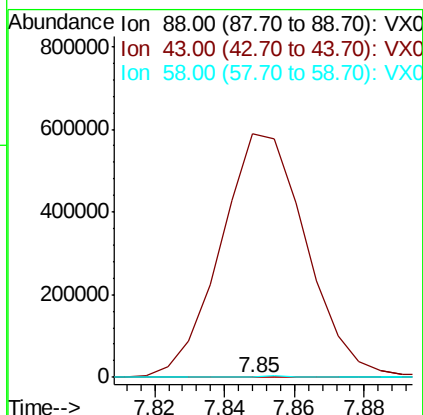
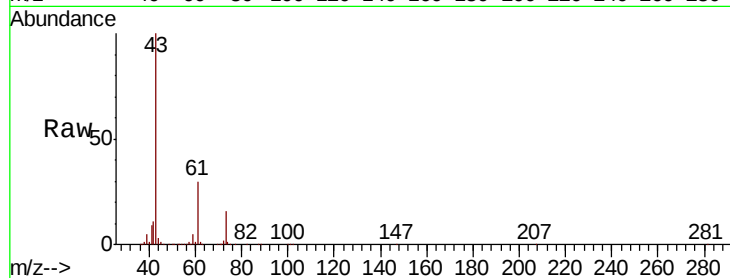
Tot Ion: 88 Resp: 192

Ion Ratio Lower Upper

88 100

43 526799.0 25.8 38.8#

58 2606.8 54.8 82.2#



#50

Toluene-d8

Concen: 54.378 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017076.D

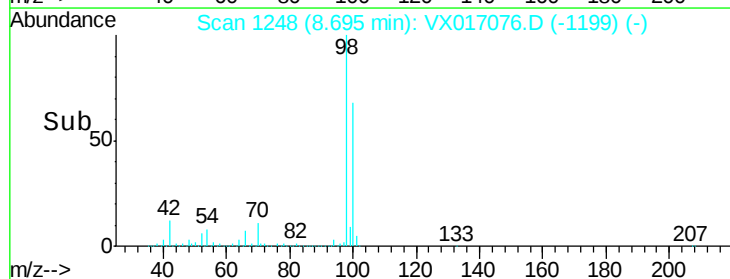
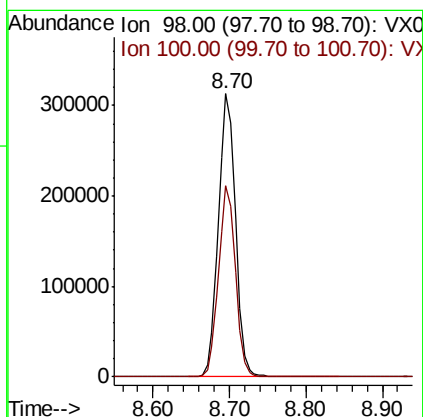
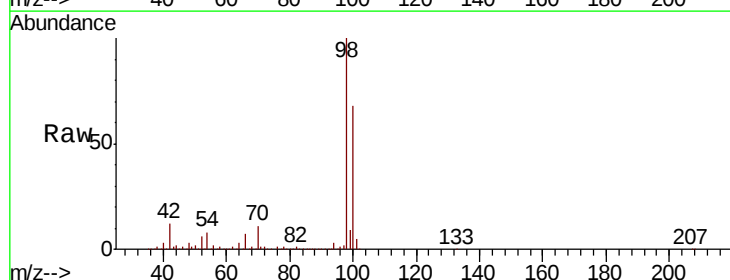
Acq: 01 Jul 2020 04:09

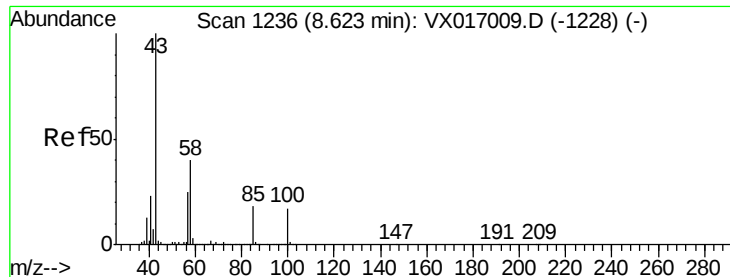
Tgt Ion: 98 Resp: 486180

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 14.079 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

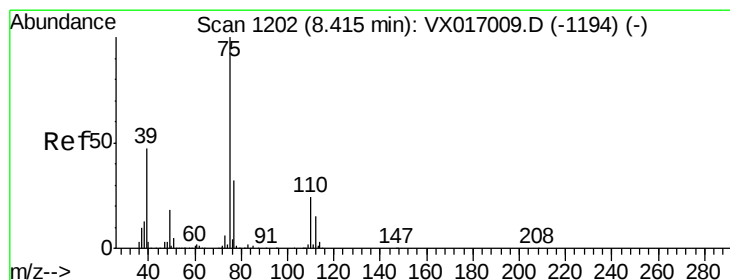
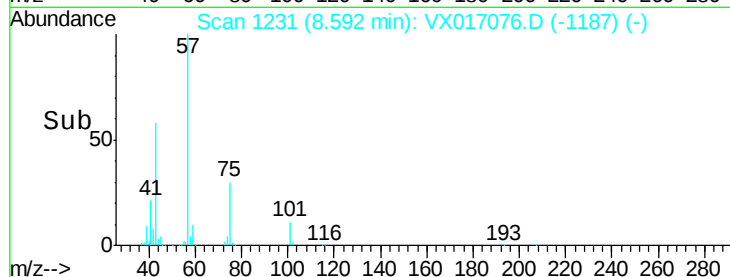
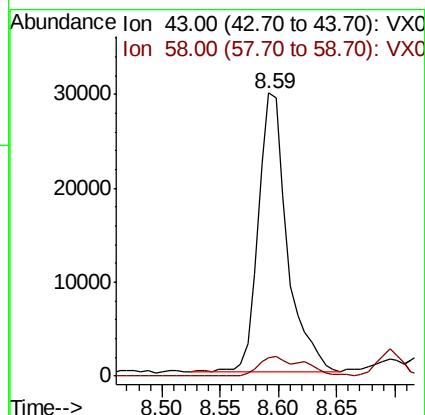
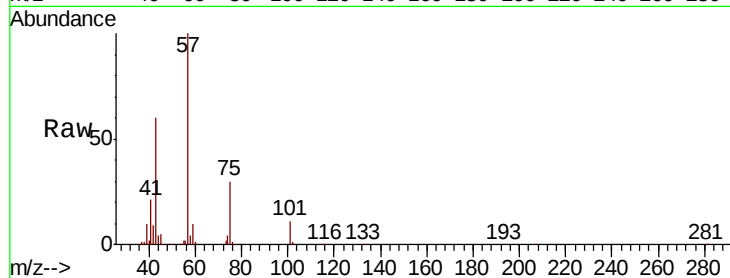
PB129852ZHE#12

Tot Ion: 43 Resp: 51115

Ion Ratio Lower Upper

43 100

58 11.1 31.9 47.9#



#54

cis-1,3-Dichloropropene

Concen: 5.016 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

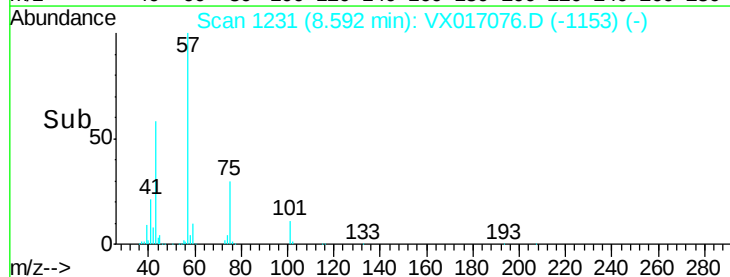
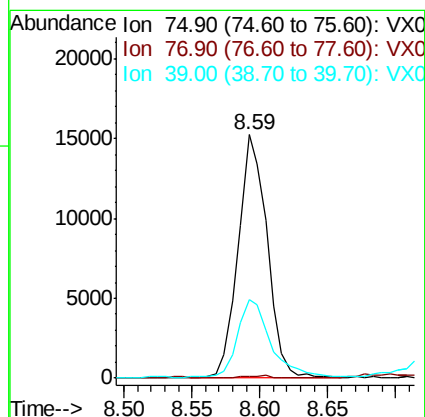
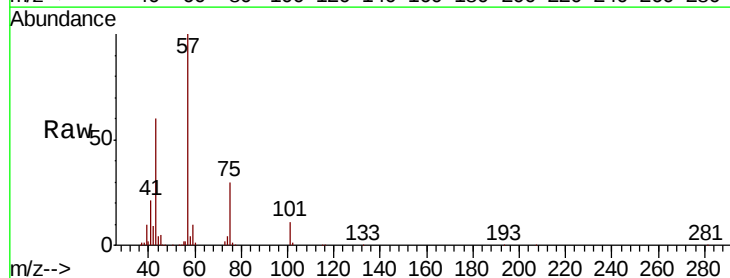
Tgt Ion: 75 Resp: 22756

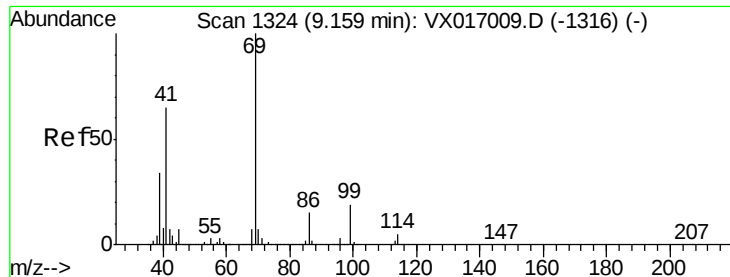
Ion Ratio Lower Upper

75 100

77 0.6 25.2 37.8#

39 31.4 37.4 56.2#





#56

Ethyl methacrylate

Concen: 0.350 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#12

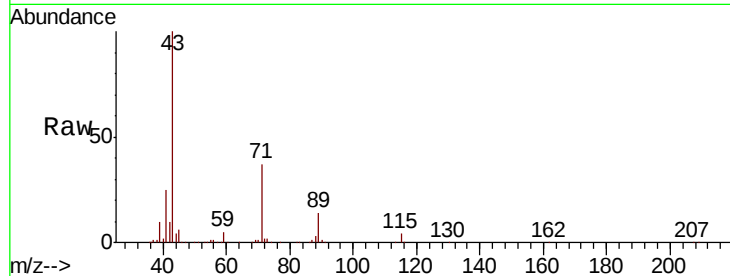
Tot Ion: 69 Resp: 1348

Ion Ratio Lower Upper

69 100

41 3132.4 53.6 80.4#

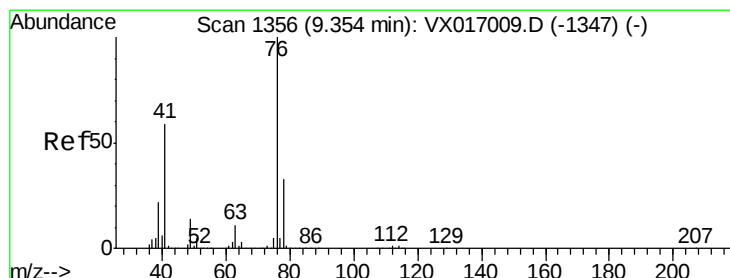
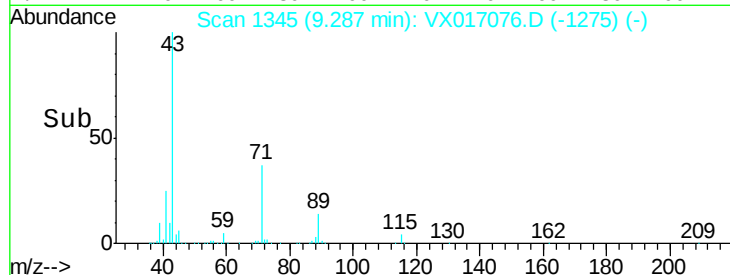
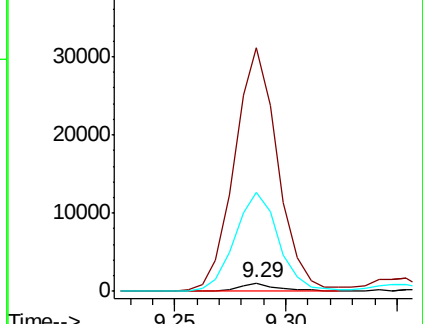
39 1298.2 28.2 42.2#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.011 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017076.D

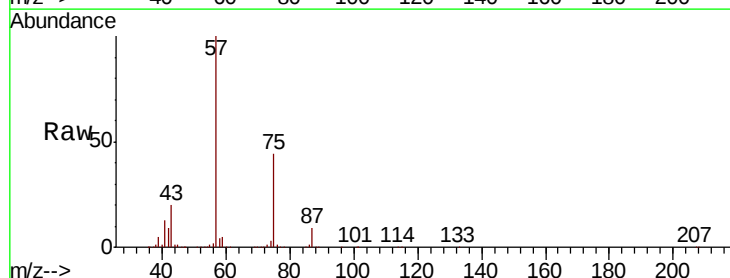
Acq: 01 Jul 2020 04:09

Tgt Ion: 76 Resp: 4634

Ion Ratio Lower Upper

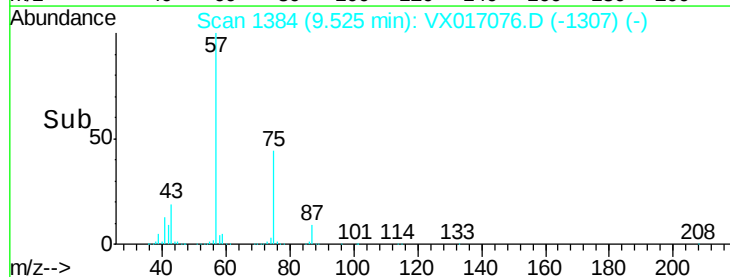
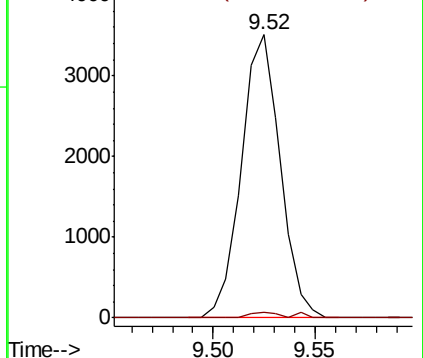
76 100

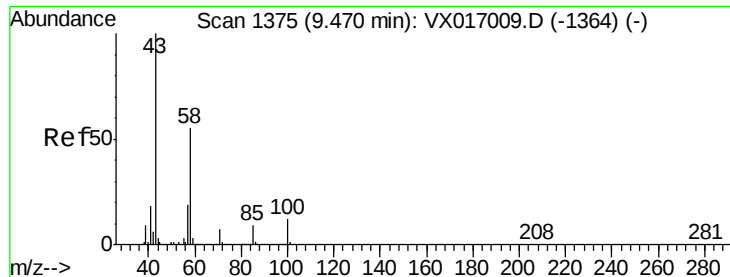
78 1.4 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

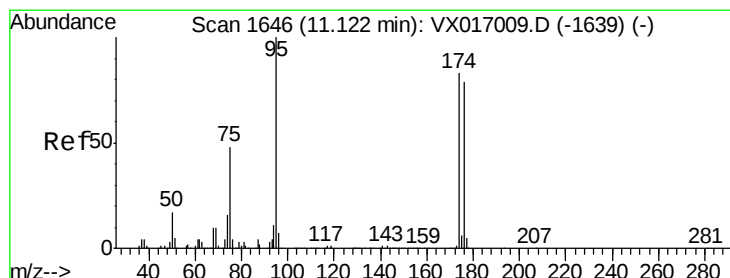
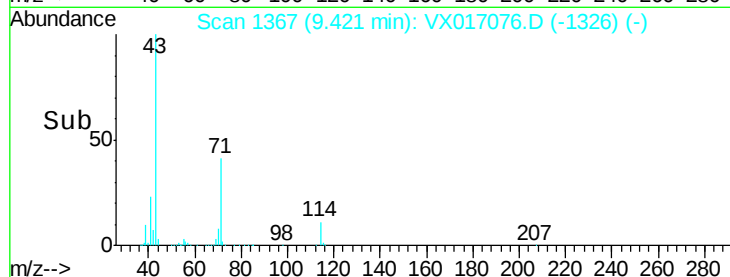
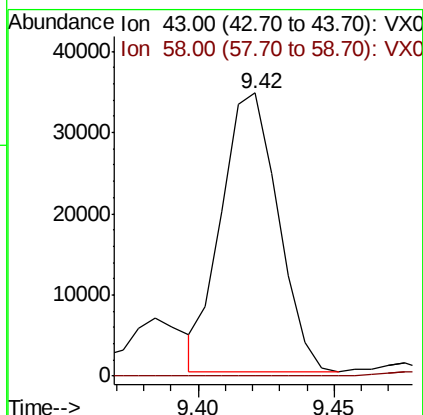
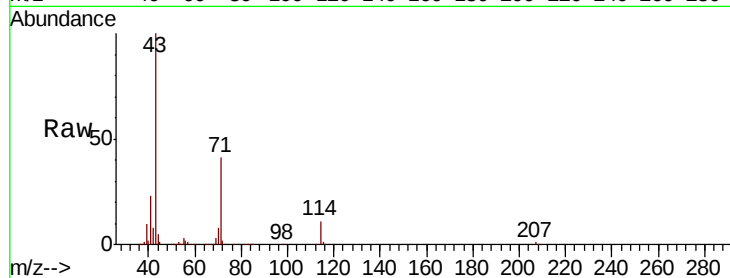




#59
2-Hexanone
Concen: 18.697 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

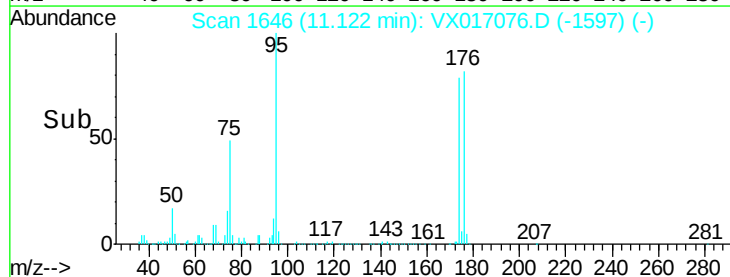
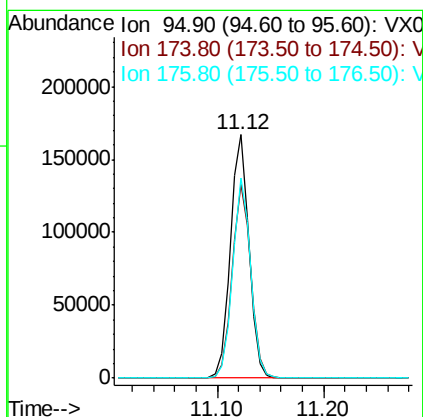
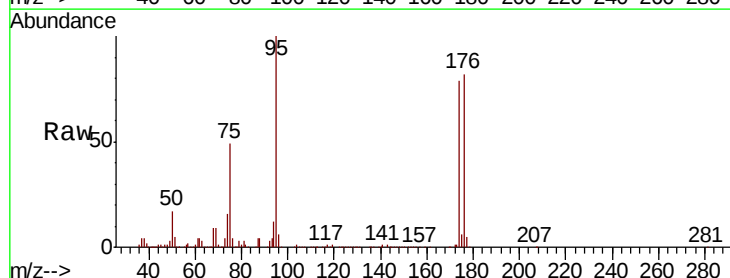
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#12

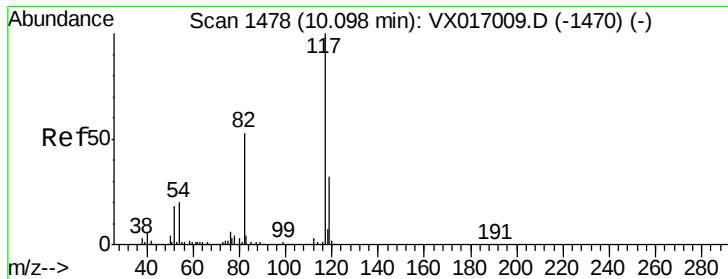
Tot Ion: 43 Resp: 49576
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 58.347 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

Tgt Ion: 95 Resp: 203926
Ion Ratio Lower Upper
95 100
174 80.2 0.0 164.0
176 79.9 0.0 157.6

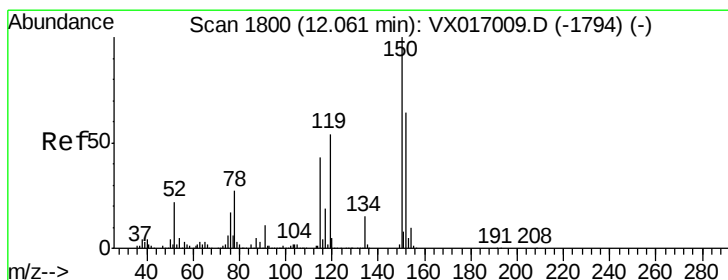
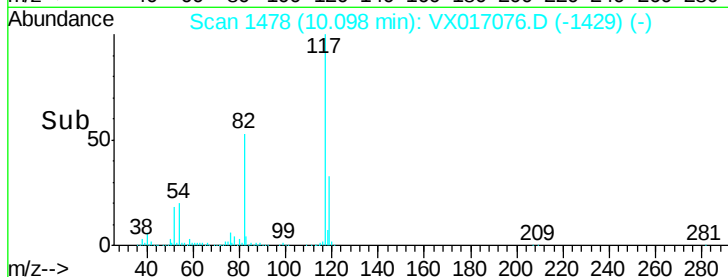
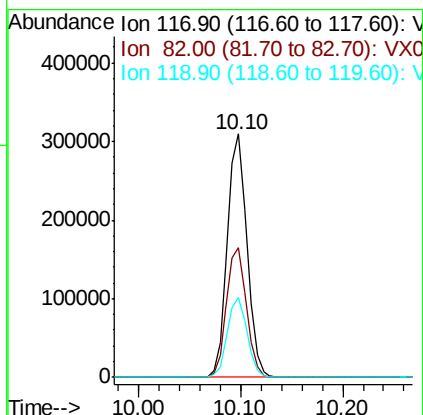
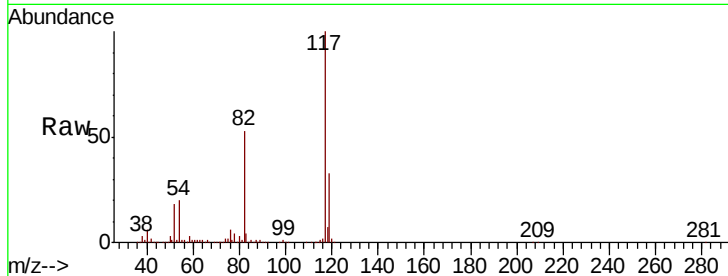




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

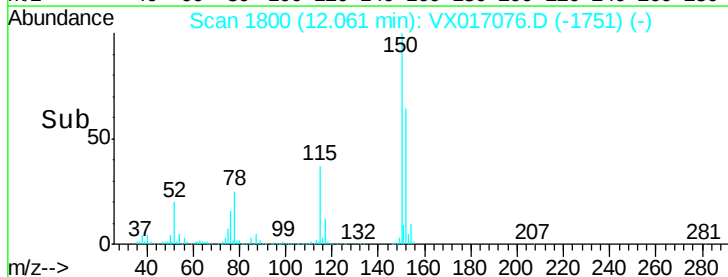
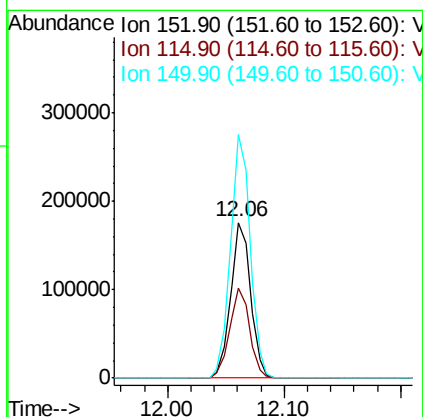
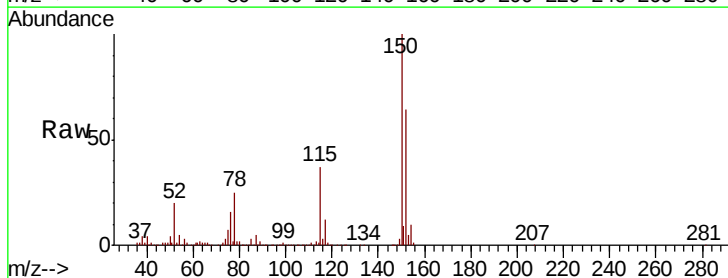
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#12

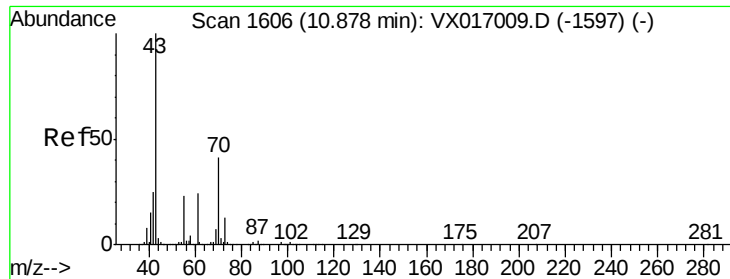
Tot Ion:117 Resp: 411301
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017076.D
Acq: 01 Jul 2020 04:09

Tgt Ion:152 Resp: 210964
Ion Ratio Lower Upper
152 100
115 57.4 40.9 122.7
150 155.1 0.0 351.6





#74

N-amvl acetate

Concen: 0.435 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#12

Tot Ion: 43 Resp: 2562

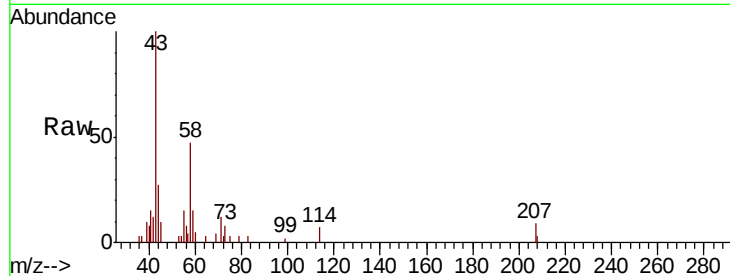
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.2#

55 19.0 19.2 28.8#

61 0.0 19.6 29.4#

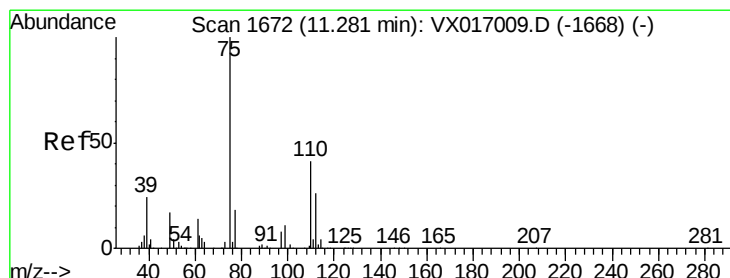
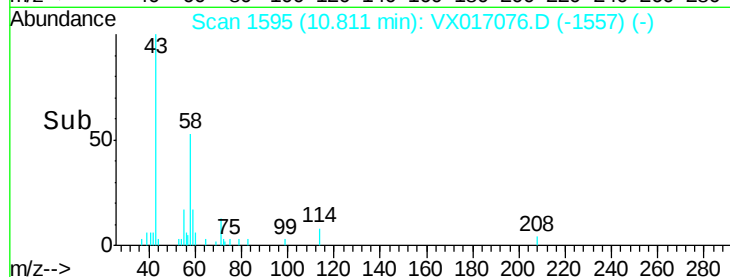
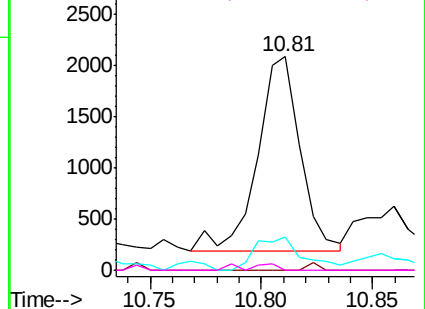


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.526 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017076.D

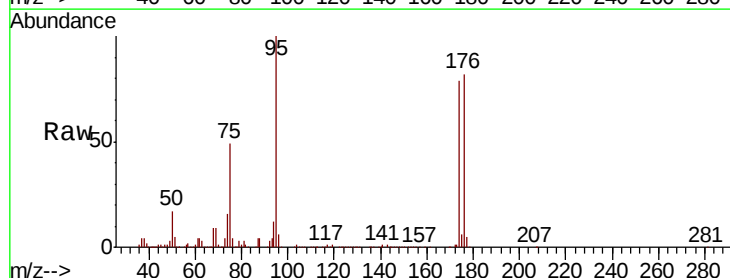
Acq: 01 Jul 2020 04:09

Tgt Ion: 75 Resp: 101747

Ion Ratio Lower Upper

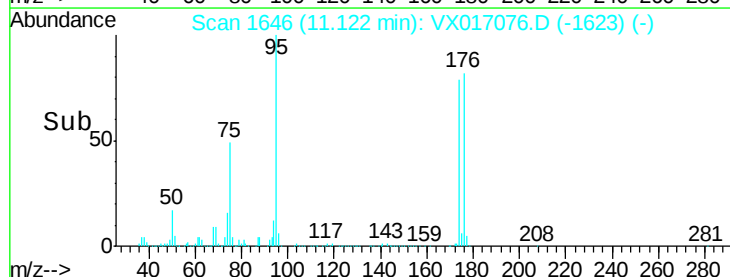
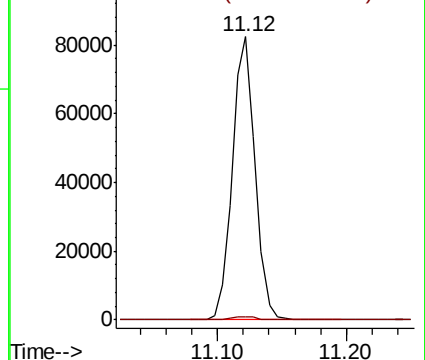
75 100

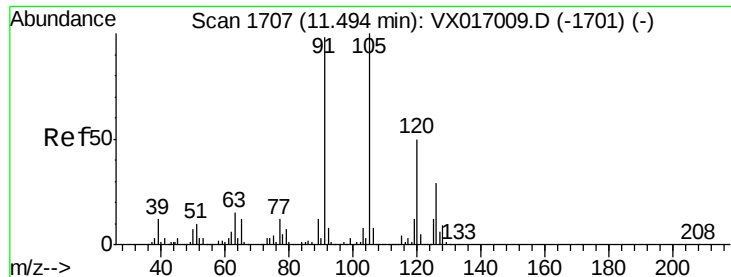
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

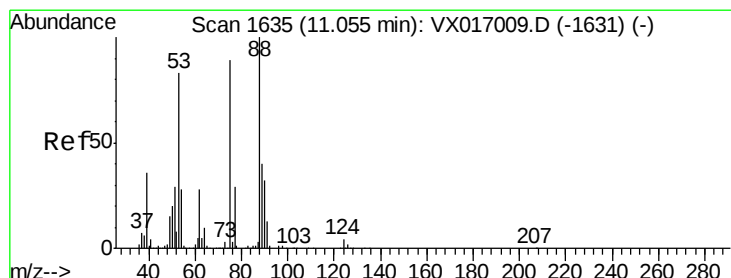
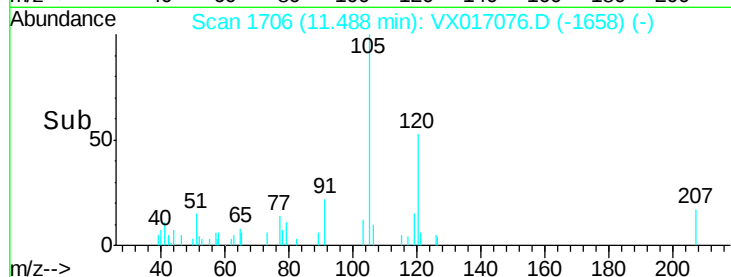
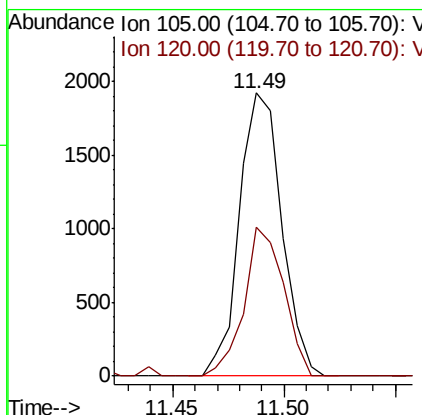
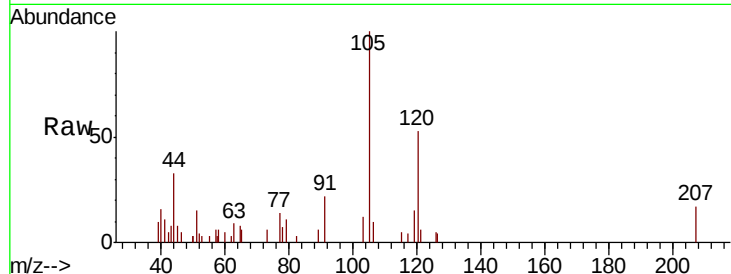




#80
 1,3,5-Trimethylbenzene
 Concen: 0.223 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX017076.D
 Acq: 01 Jul 2020 04:09

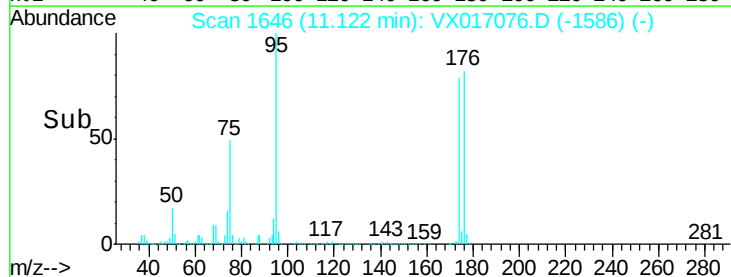
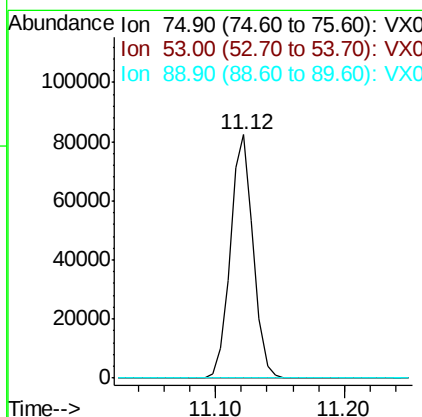
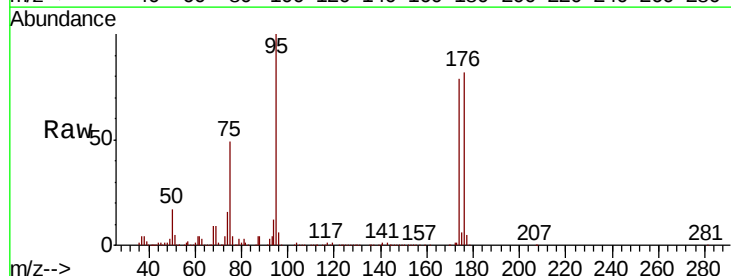
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#12

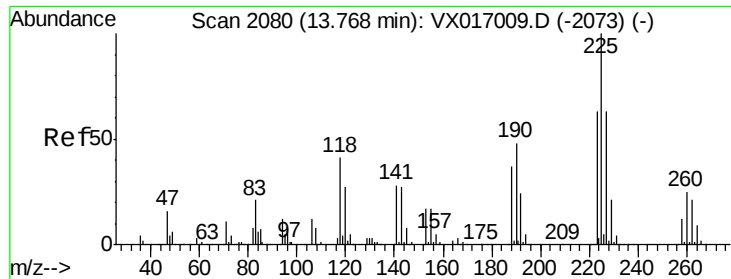
Tot Ion:105 Resp: 2553
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.514 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017076.D
 Acq: 01 Jul 2020 04:09

Tgt Ion: 75 Resp: 101747
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.888 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017076.D

Acq: 01 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#12

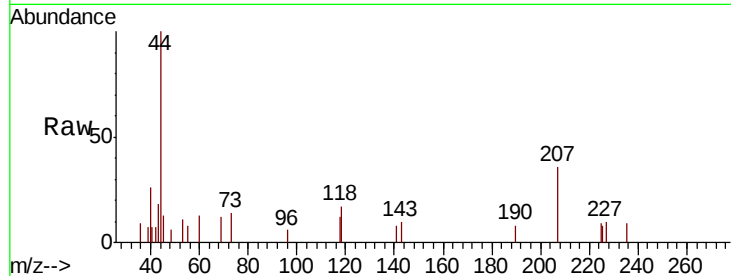
Tot Ion:225 Resp: 75

Ion Ratio Lower Upper

225 100

223 101.3 32.5 97.5#

227 86.7 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

