

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063020\
 Data File : VX017083.D
 Acq On : 01 Jul 2020 06:48
 Operator : JC/SP
 Sample : PB129852ZHE#19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#19

Quant Time: Jul 01 08:26:34 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	232373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	401166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222511	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	156808	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	5.46	113	136344	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	8.70	98	514434	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
62) 4-Bromofluorobenzene	11.12	95	212762	58.00	ug/l	0.00
Spiked Amount			Recovery	=	116.00%	

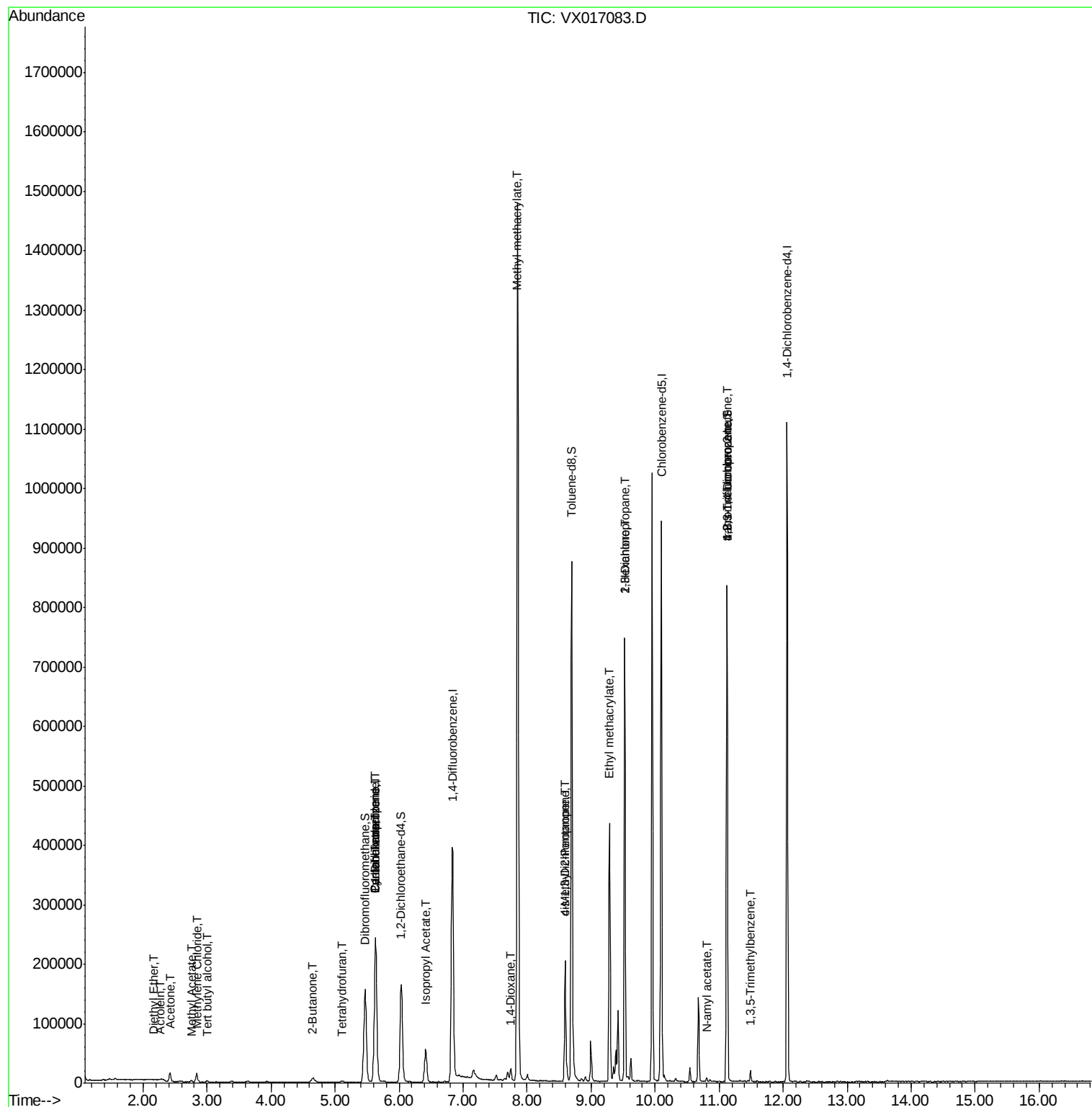
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	301	0.603	ug/l	77
11) Tert butyl alcohol	3.00	59	1480	2.708	ug/l #	85
13) Acrolein	2.26	56	162	0.496	ug/l #	15
16) Acetone	2.42	43	15374	14.346	ug/l	99
18) Methyl Acetate	2.75	43	3807	1.361	ug/l #	86
20) Methylene Chloride	2.84	84	6183	1.761	ug/l	95
25) 2-Butanone	4.64	43	3028	1.696	ug/l	99
29) Tetrahydrofuran	5.11	42	2087	1.769	ug/l #	66
31) Cyclohexane	5.63	56	4613	1.193	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17607	4.644	ug/l #	49
38) Carbon Tetrachloride	5.64	117	22398	5.363	ug/l #	20
43) Isopropyl Acetate	6.42	43	73597	11.513	ug/l	98
44) Trichloroethene	7.19	130	394	Below Cal		39
48) Methyl methacrylate	7.85	41	127184	41.878	ug/l #	43
49) 1,4-Dioxane	7.73	88	23	0.334	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	74042	19.431	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	32823	6.894	ug/l #	63
56) Ethyl methacrylate	9.29	69	1675	0.414	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	6128	1.274	ug/l #	43
59) 2-Hexanone	9.52	43	82809	29.756	ug/l #	50
74) N-amyl acetate	10.81	43	2889	0.465	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	106342	24.304	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	7542	0.624	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	106342	62.938	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	290	Below Cal		78

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

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Quant Time: Jul 01 08:26:34 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: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

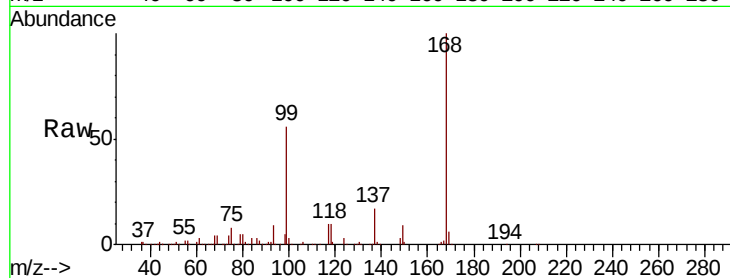
PB129852ZHE#19

Tot Ion:168 Resp: 232373

Ion Ratio Lower Upper

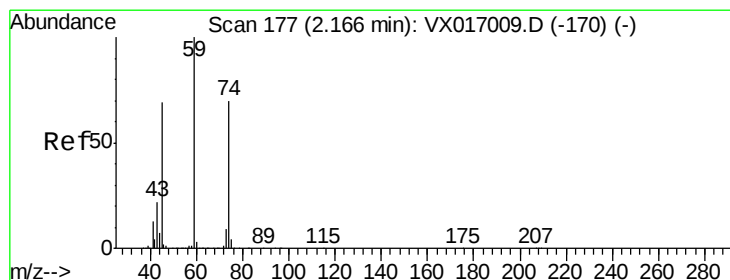
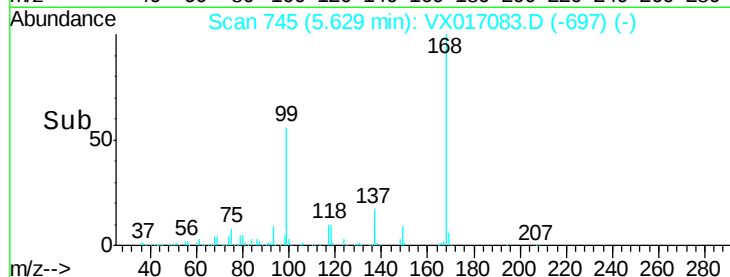
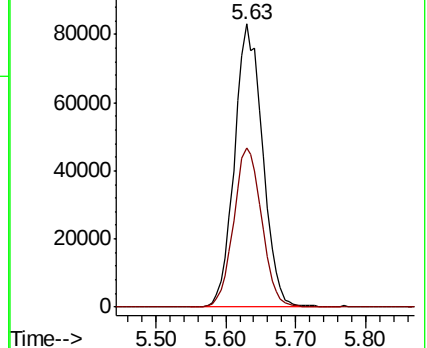
168 100

99 56.3 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: 0.603 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017083.D

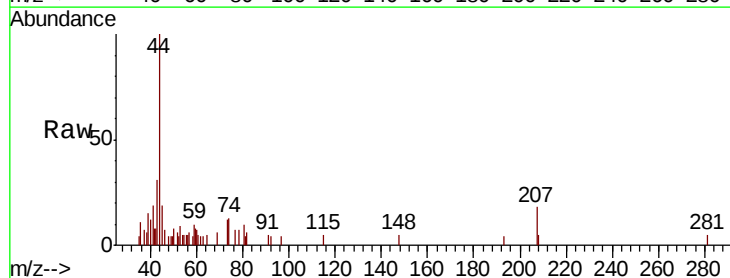
Acq: 01 Jul 2020 06:48

Tgt Ion: 74 Resp: 301

Ion Ratio Lower Upper

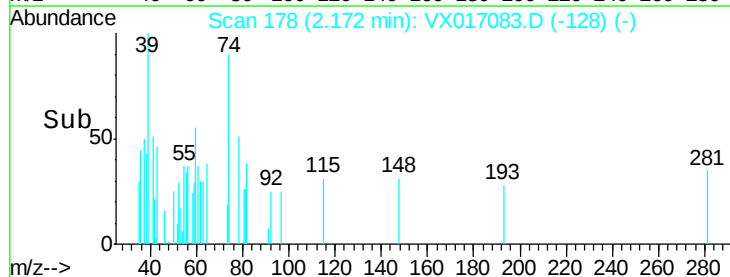
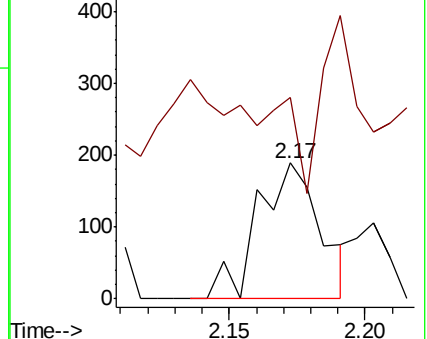
74 100

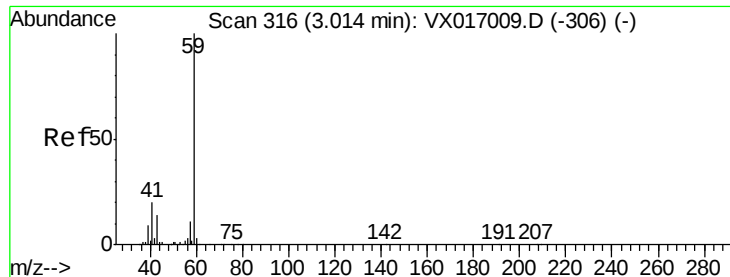
45 76.7 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



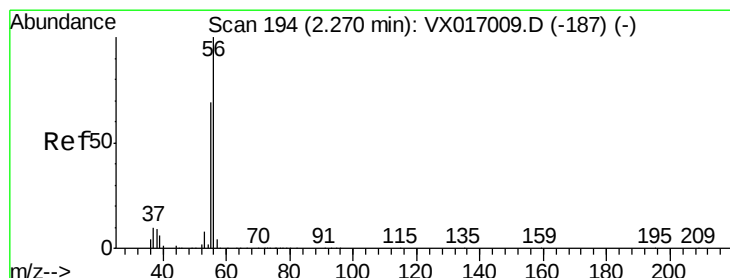
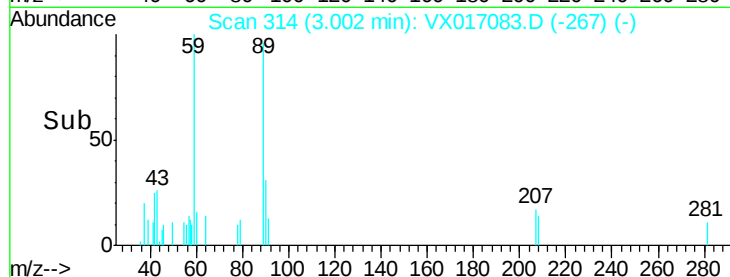
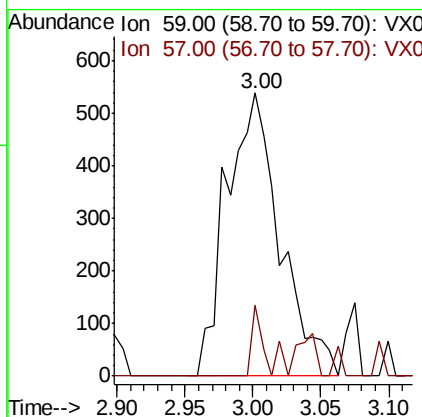
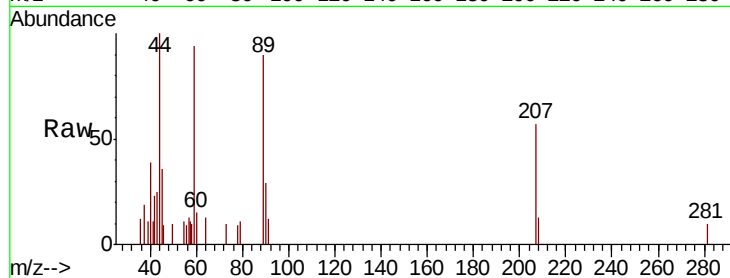


#11

Tert butyl alcohol
 Concen: 2.708 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX017083.D
 Acq: 01 Jul 2020 06:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#19

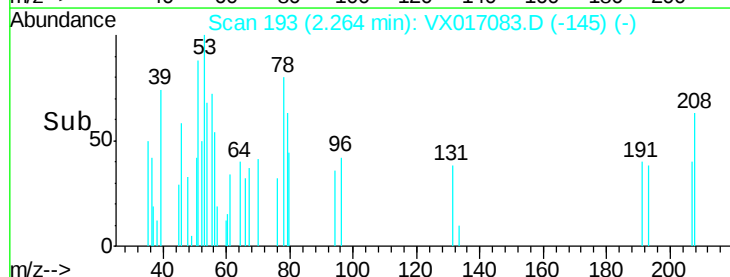
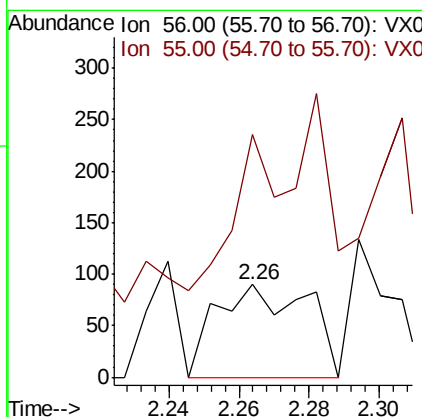
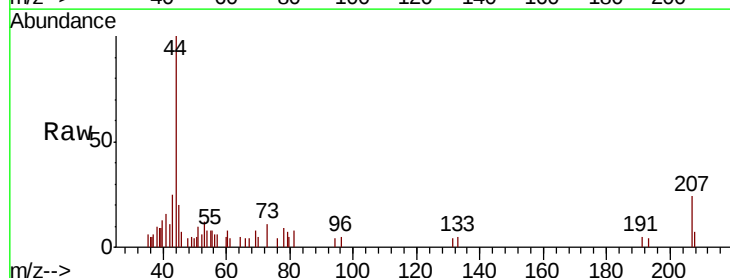
Tot Ion: 59 Resp: 1480
 Ion Ratio Lower Upper
 59 100
 57 4.6 8.2 12.2#

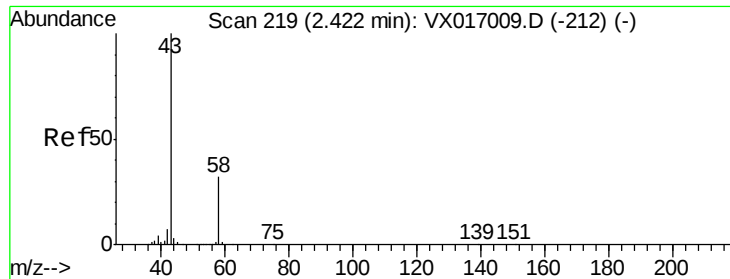


#13

Acrolein
 Concen: 0.496 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX017083.D
 Acq: 01 Jul 2020 06:48

Tgt Ion: 56 Resp: 162
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.7 83.5#





#16

Acetone

Concen: 14.346 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

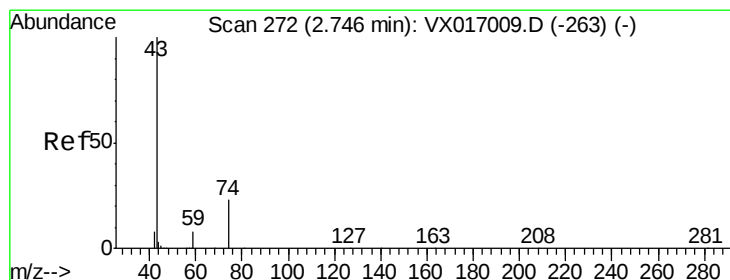
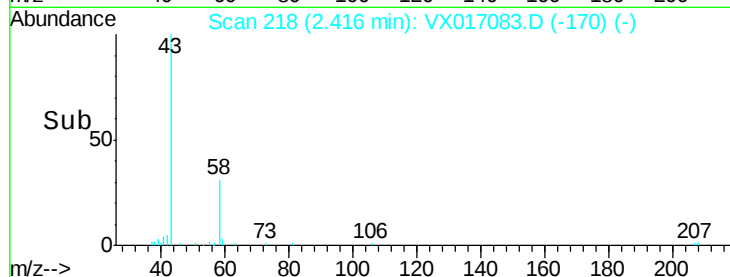
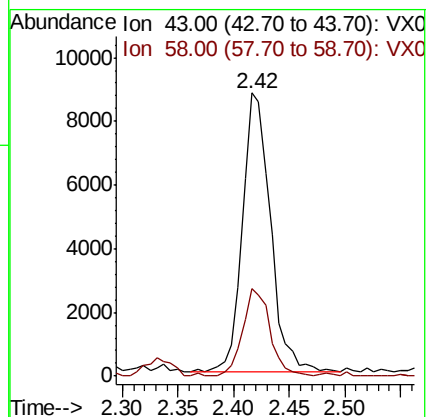
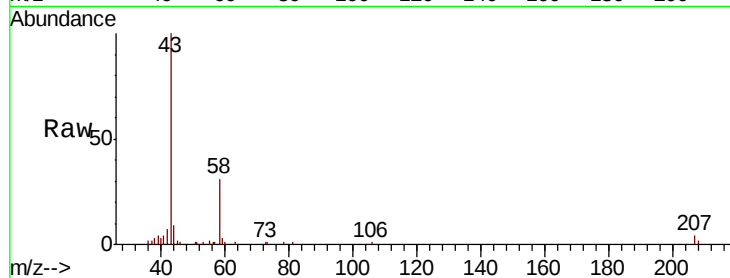
PB129852ZHE#19

Tot Ion: 43 Resp: 15374

Ion Ratio Lower Upper

43 100

58 31.5 25.7 38.5



#18

Methyl Acetate

Concen: 1.361 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX017083.D

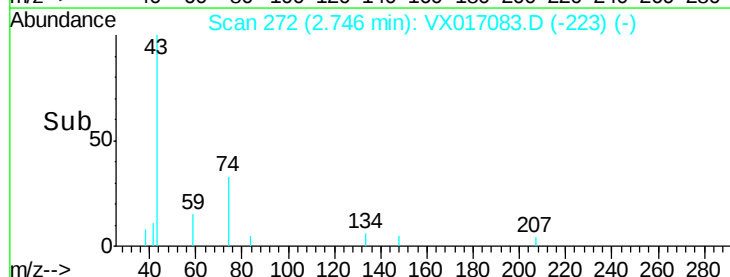
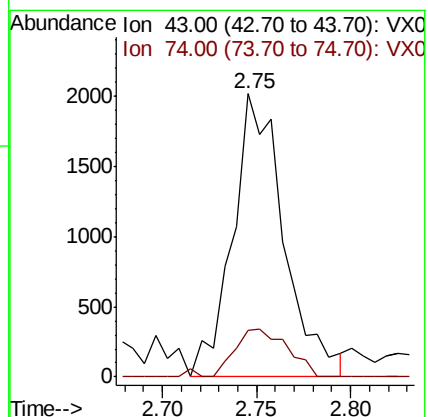
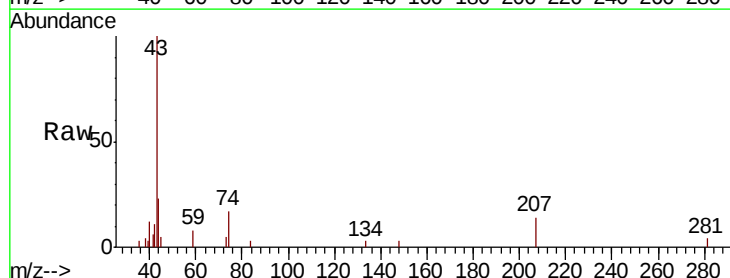
Acq: 01 Jul 2020 06:48

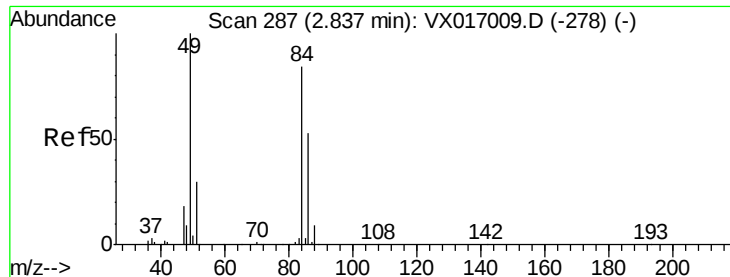
Tgt Ion: 43 Resp: 3807

Ion Ratio Lower Upper

43 100

74 17.3 19.3 28.9#

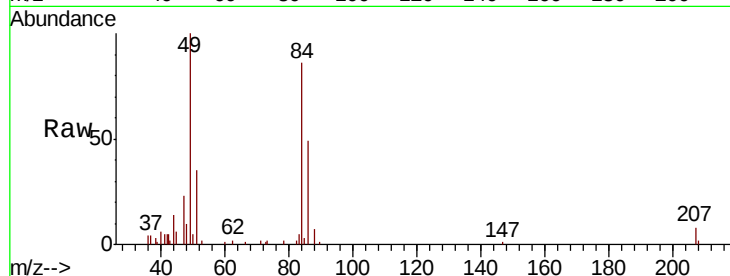




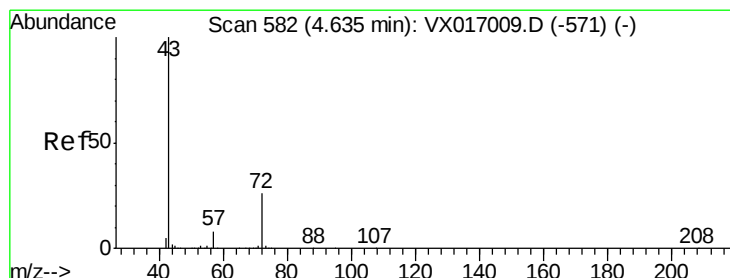
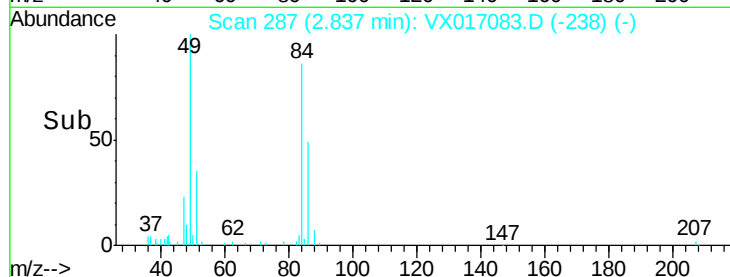
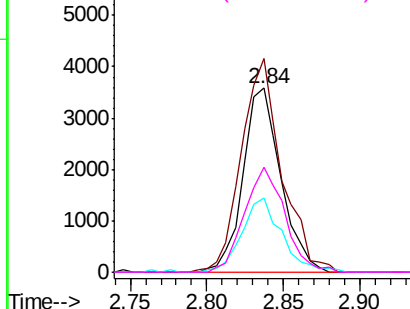
#20
Methvlene Chloride
Concen: 1.761 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#19

Tot Ion: 84 Resp: 6183
Ion Ratio Lower Upper
84 100
49 116.0 94.7 142.1
51 40.5 28.6 42.8
86 56.8 50.5 75.7

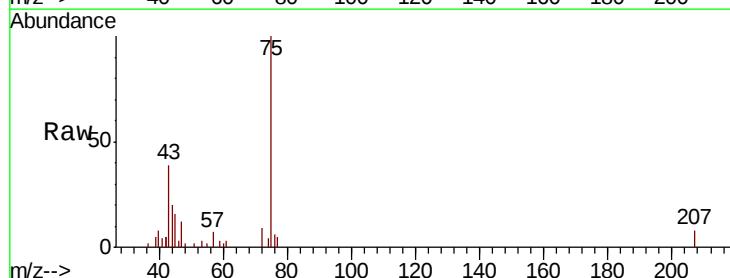


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

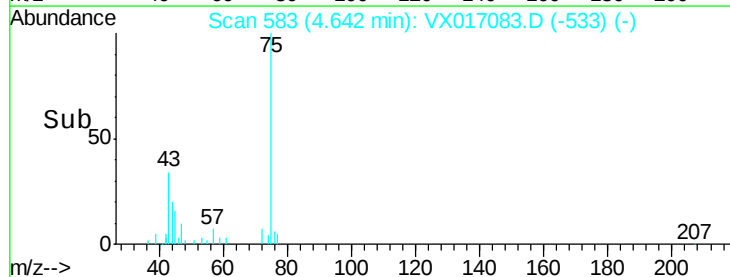
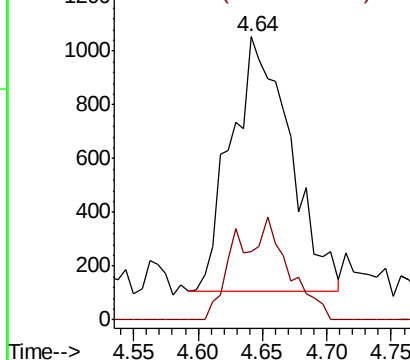


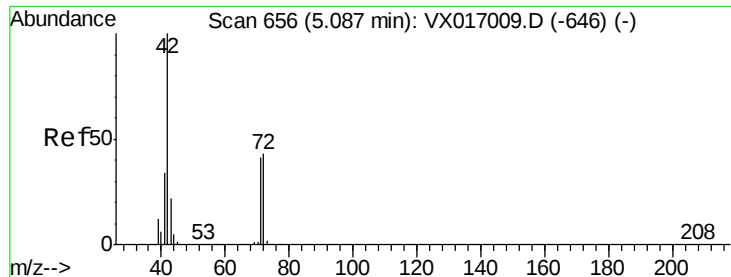
#25
2-Butanone
Concen: 1.696 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

Tgt Ion: 43 Resp: 3028
Ion Ratio Lower Upper
43 100
72 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

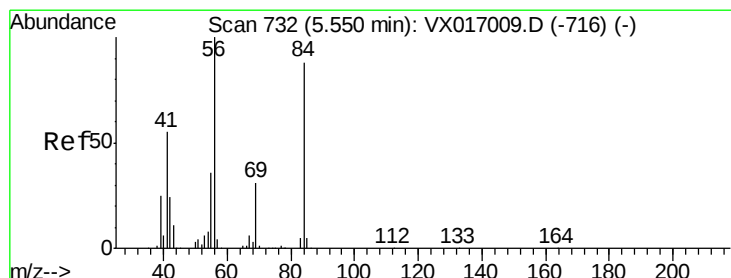
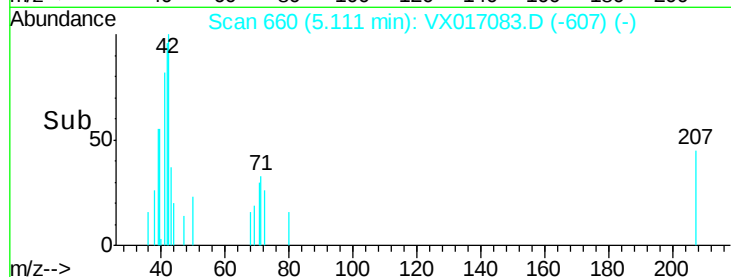
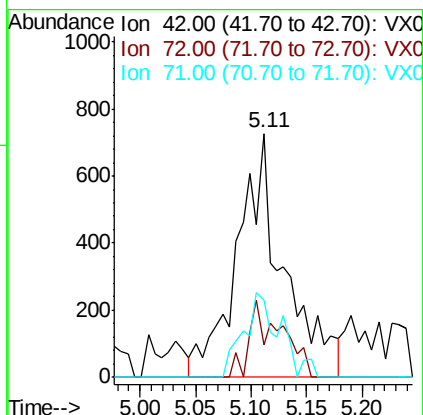
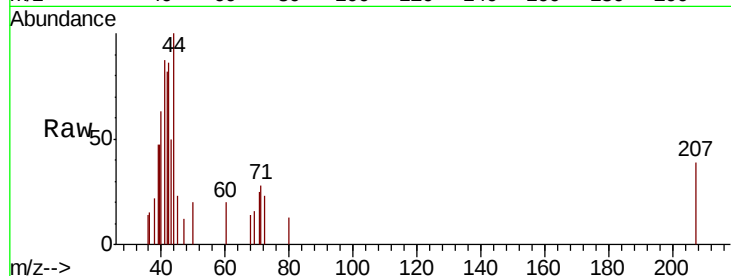




#29
Tetrahydrofuran
Concen: 1.769 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

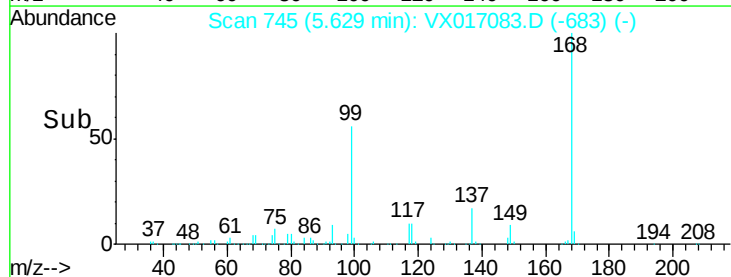
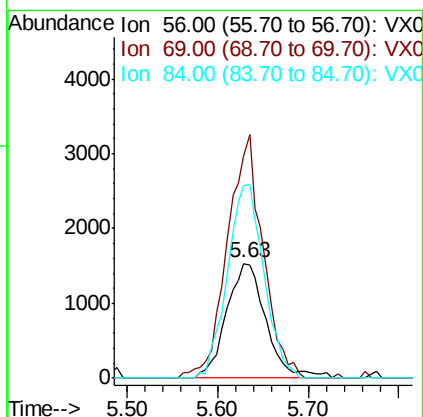
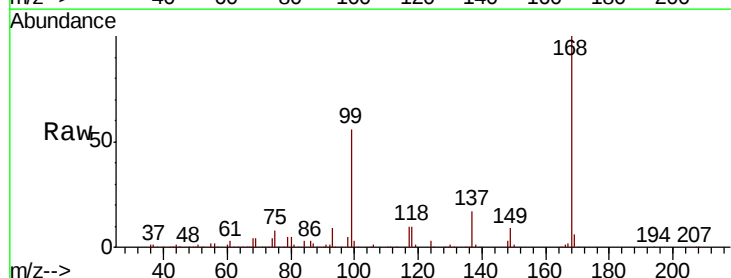
Instrument :
MSVOA_X
ClientSampleId :
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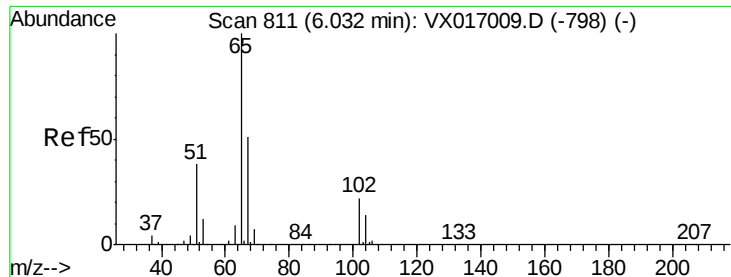
Tot Ion: 42 Resp: 2087
Ion Ratio Lower Upper
42 100
72 14.6 35.3 52.9#
71 27.6 33.1 49.7#



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

Tgt Ion: 56 Resp: 4613
Ion Ratio Lower Upper
56 100
69 190.5 25.0 37.4#
84 168.4 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 54.738 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

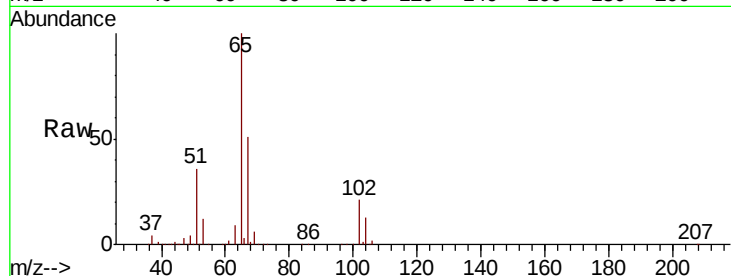
PB129852ZHE#19

Tot Ion: 65 Resp: 156808

Ion Ratio Lower Upper

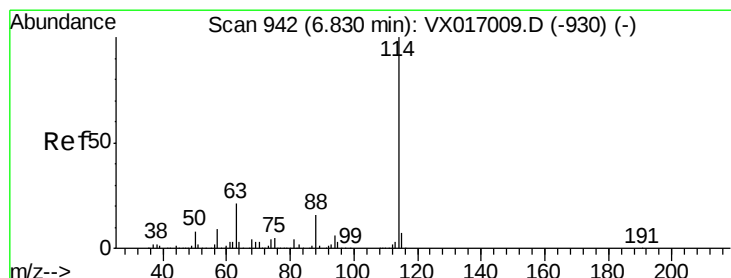
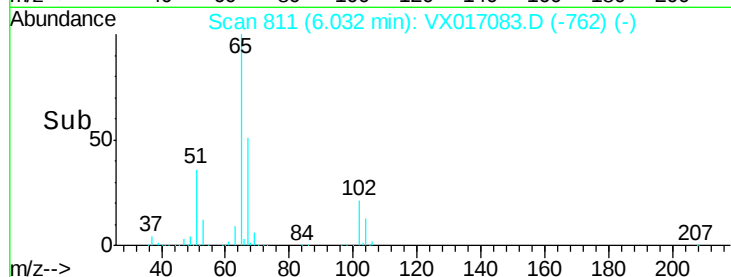
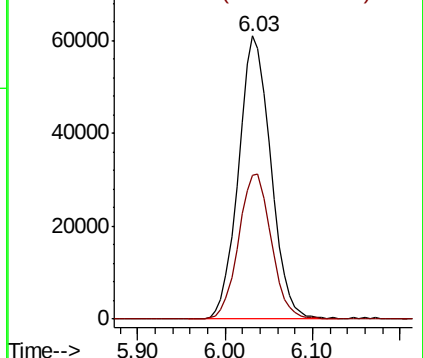
65 100

67 51.8 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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

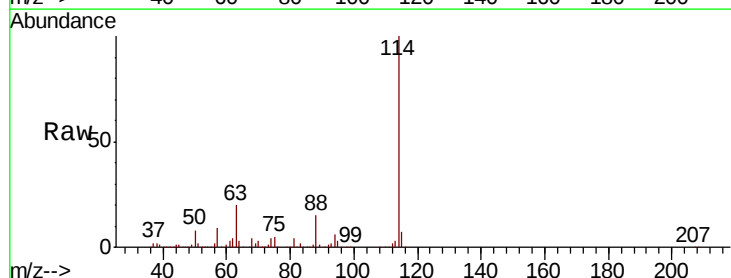
Tgt Ion: 114 Resp: 401166

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

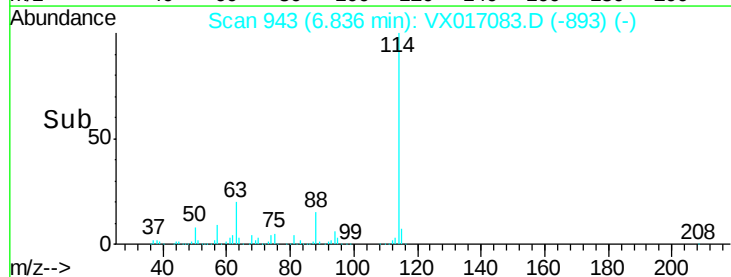
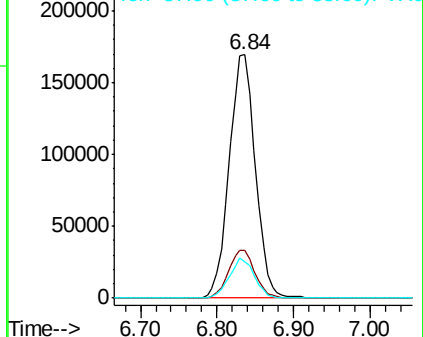
88 14.7 0.0 32.4

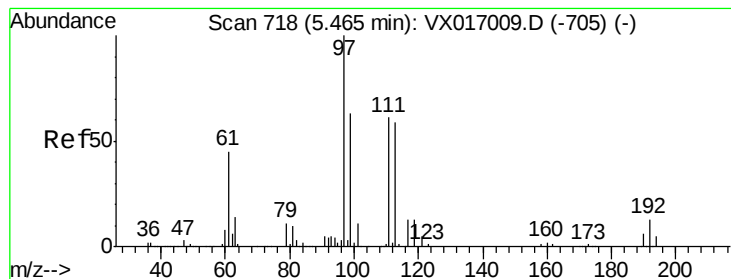


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.728 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

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ClientSampleId :

PB129852ZHE#19

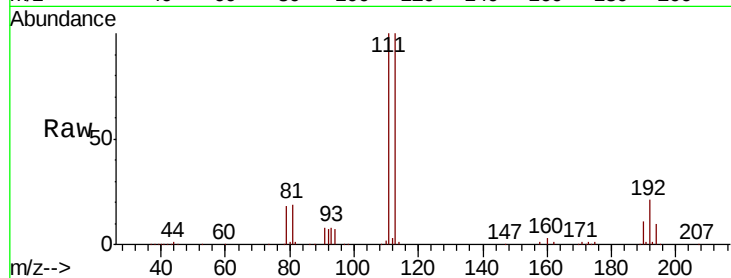
Tot Ion:113 Resp: 136344

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

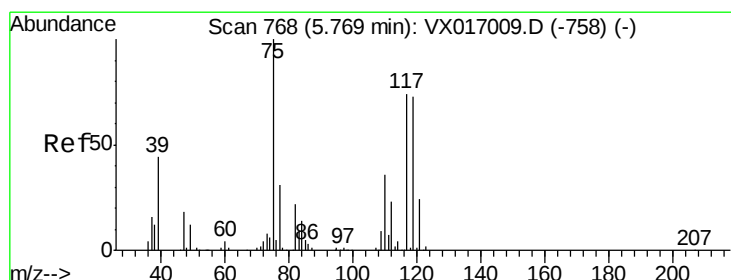
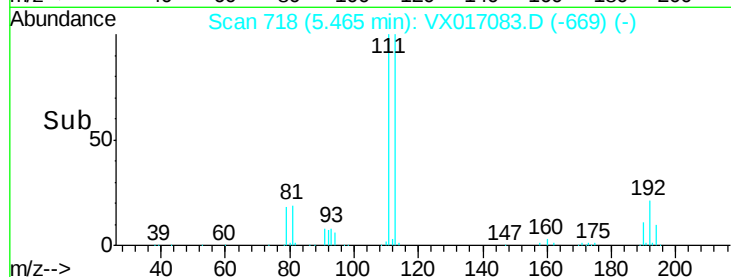
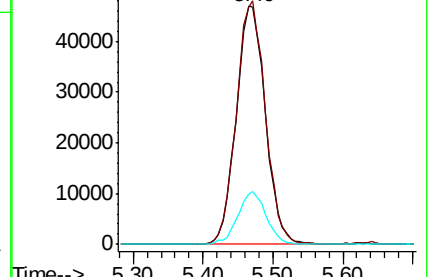
192 21.4 16.7 25.1



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: 4.644 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

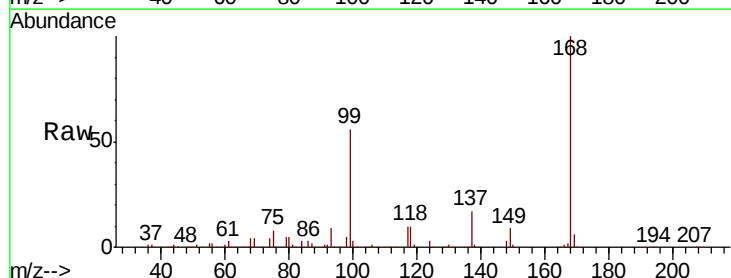
Tgt Ion: 75 Resp: 17607

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

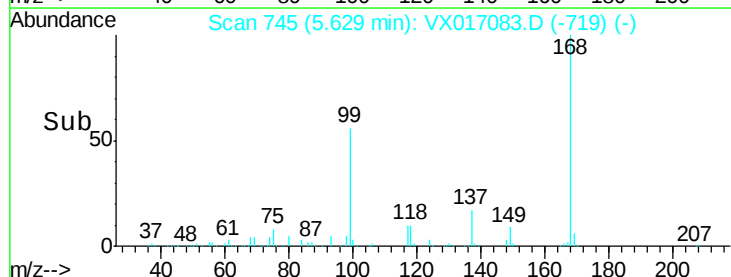
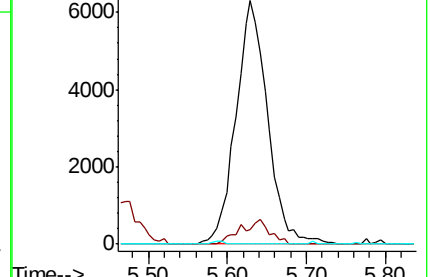
77 0.0 24.6 37.0#

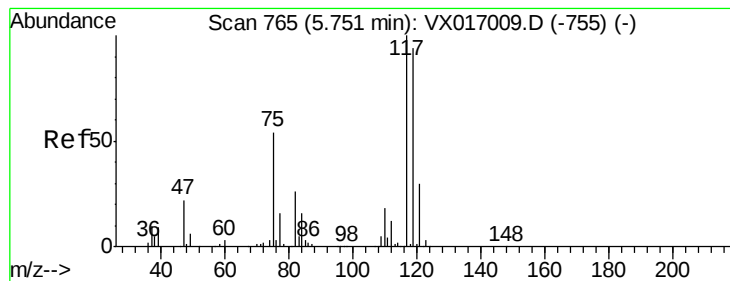


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.363 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#19

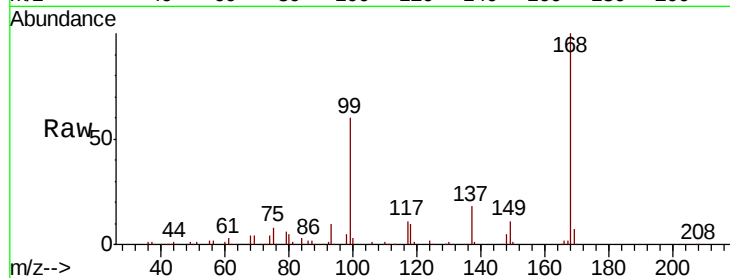
Tot Ion:117 Resp: 22398

Ion Ratio Lower Upper

117 100

119 9.4 75.4 113.0#

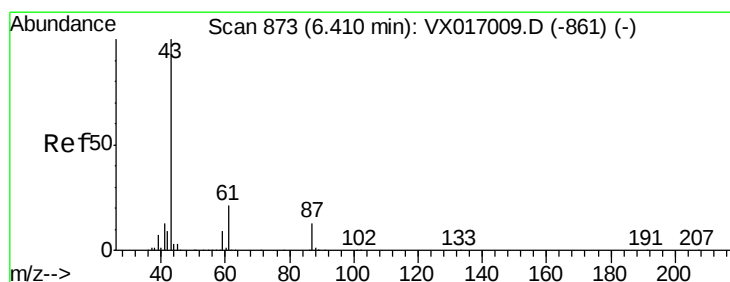
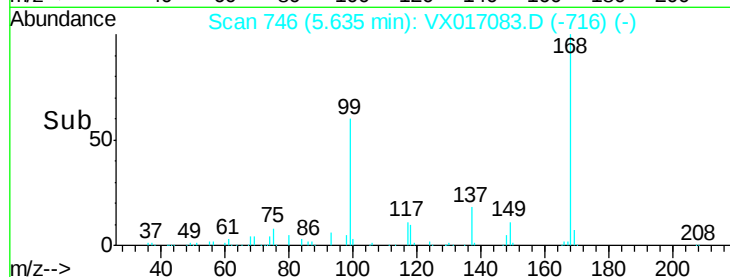
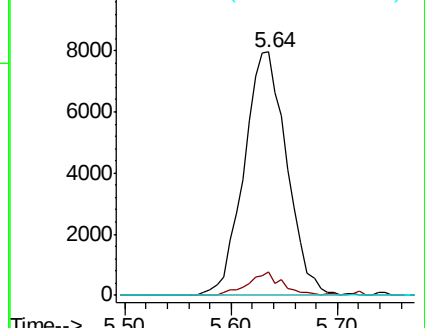
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 11.513 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

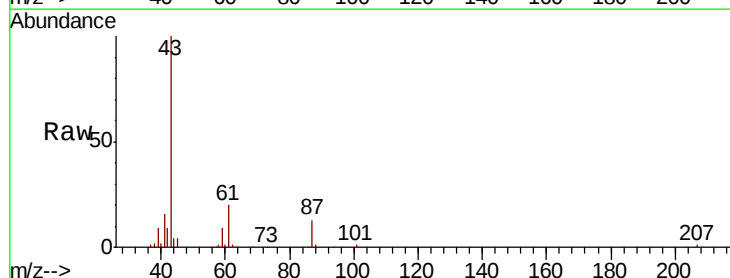
Tgt Ion: 43 Resp: 73597

Ion Ratio Lower Upper

43 100

61 19.5 16.2 24.2

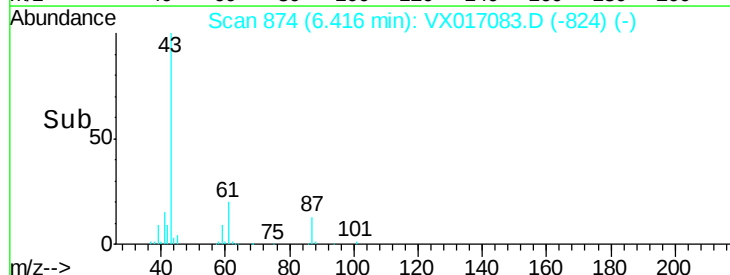
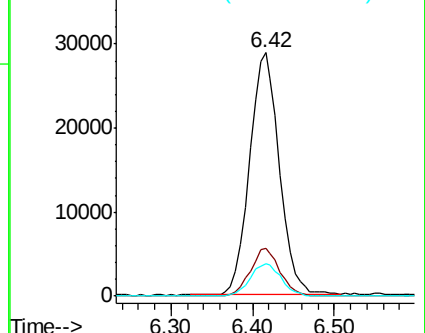
87 14.1 10.7 16.1

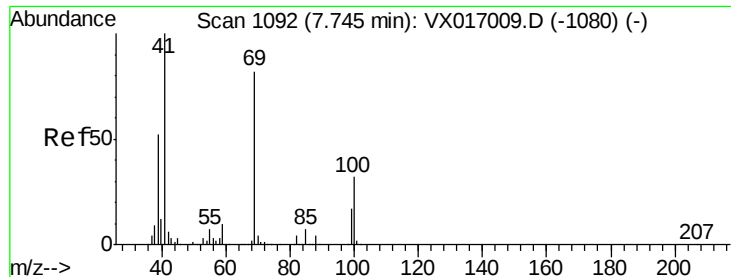


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

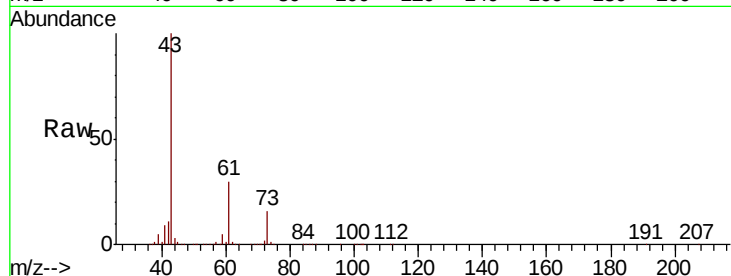




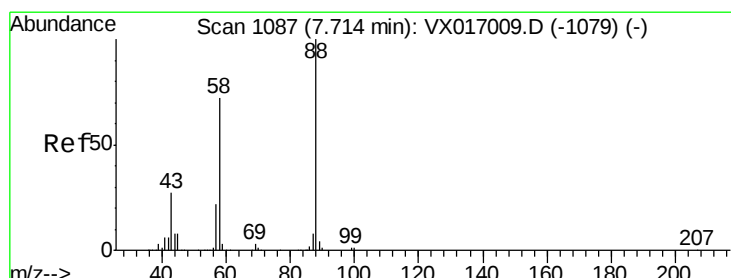
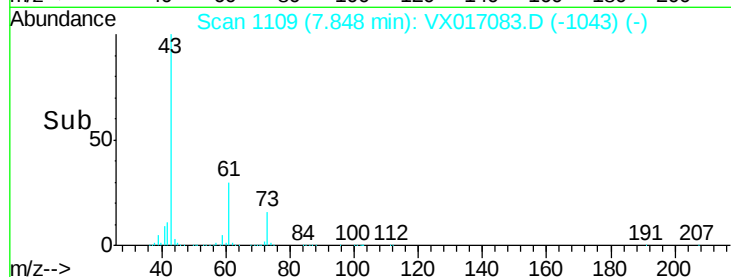
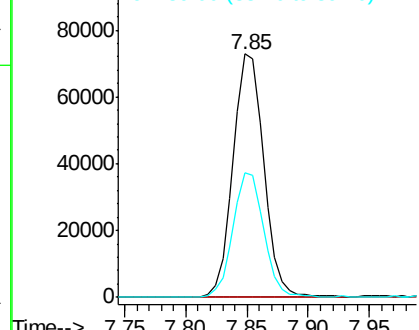
#48
Methyl methacrylate
Concen: 41.878 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#19

Tot Ion: 41 Resp: 127184
Ion Ratio Lower Upper
41 100
69 0.3 65.8 98.8#
39 51.3 42.5 63.7

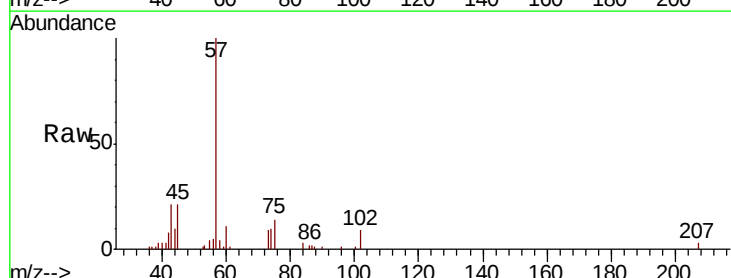


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

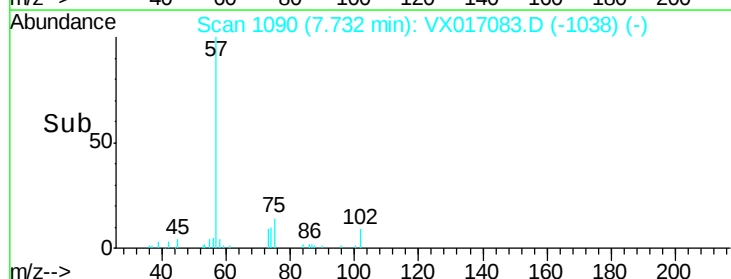
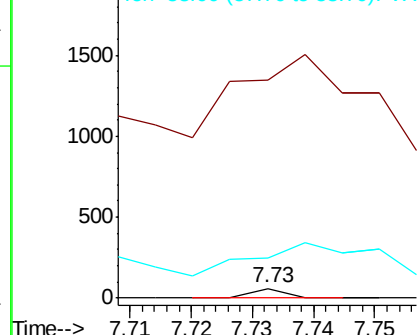


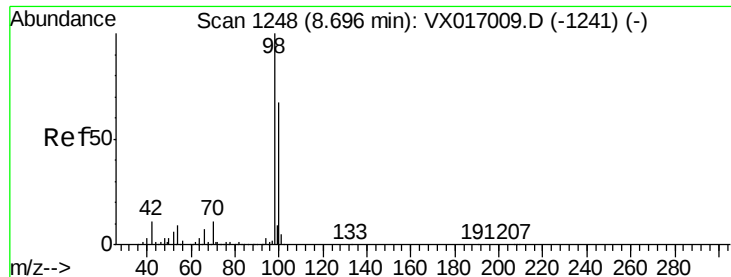
#49
1,4-Dioxane
Concen: 0.334 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 2852.2 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

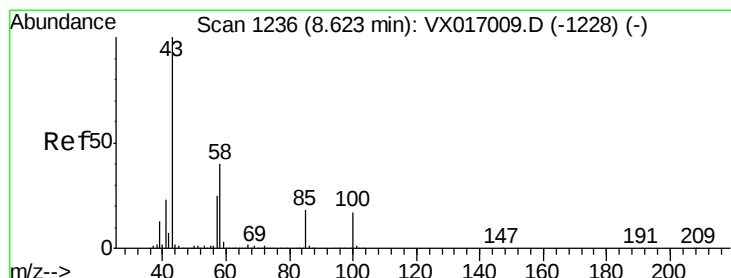
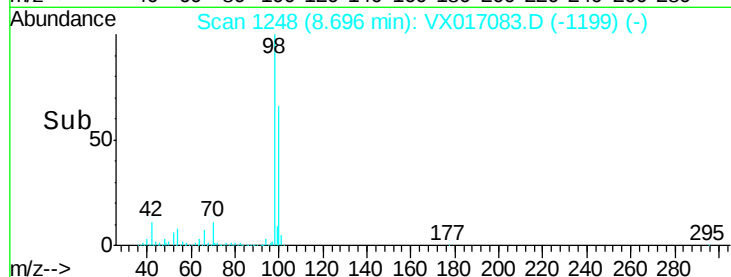
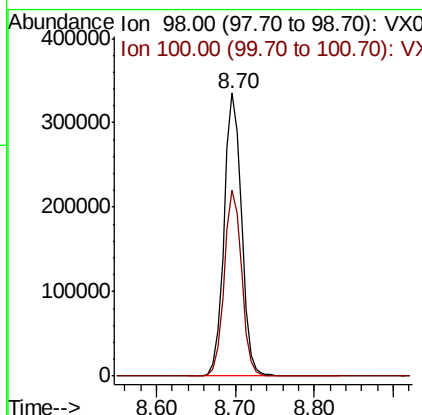
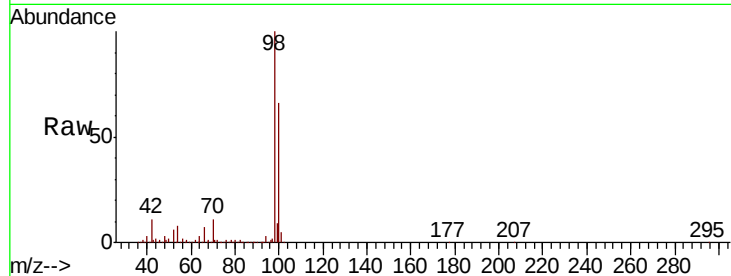




#50
Toluene-d8
Concen: 54.822 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

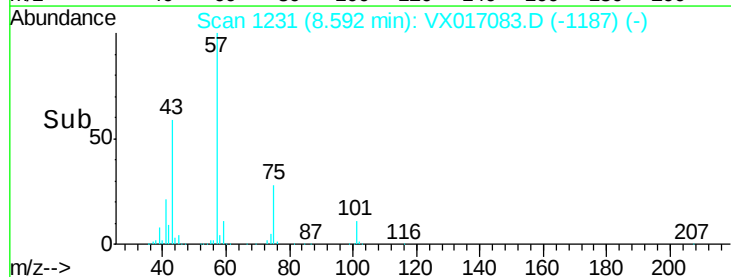
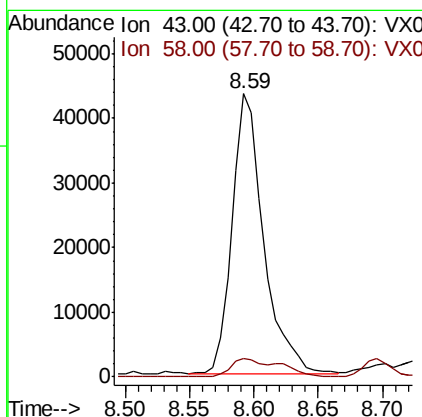
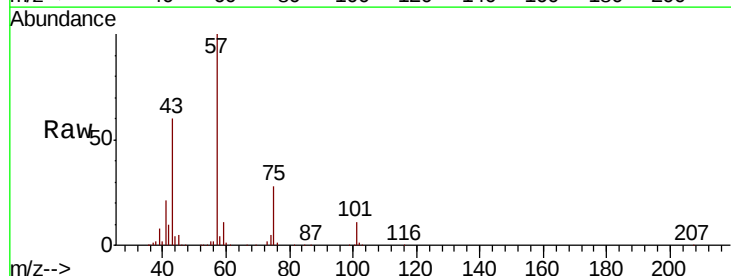
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#19

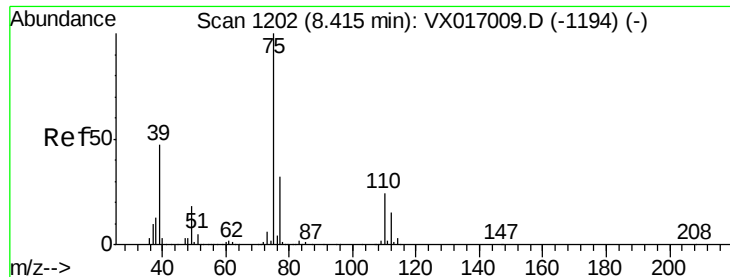
Tot Ion: 98 Resp: 514434
Ion Ratio Lower Upper
98 100
100 65.6 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 19.431 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX017083.D
Acq: 01 Jul 2020 06:48

Tgt Ion: 43 Resp: 74042
Ion Ratio Lower Upper
43 100
58 6.7 31.9 47.9#



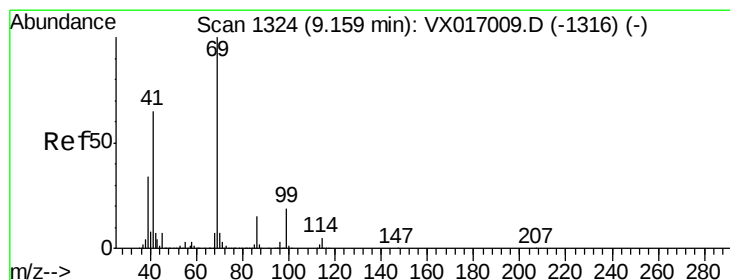
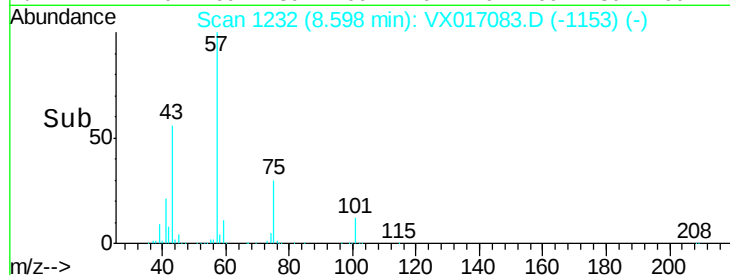
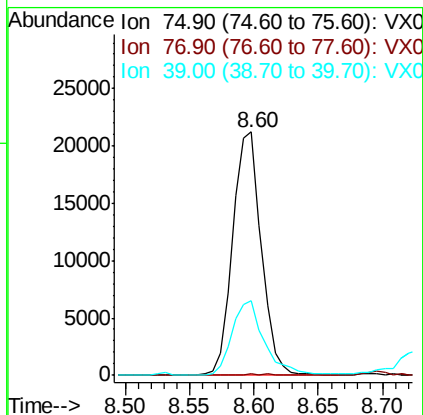
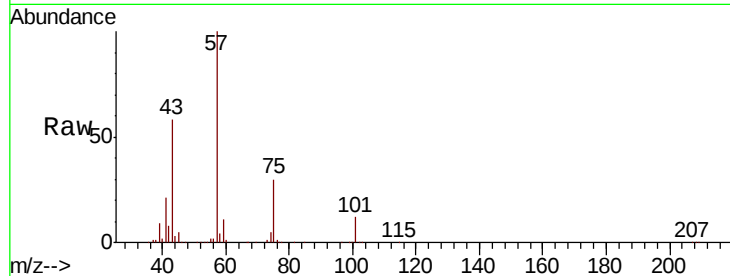


#54

cis-1,3-Dichloropropene
 Concen: 6.894 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX017083.D
 Acq: 01 Jul 2020 06:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#19

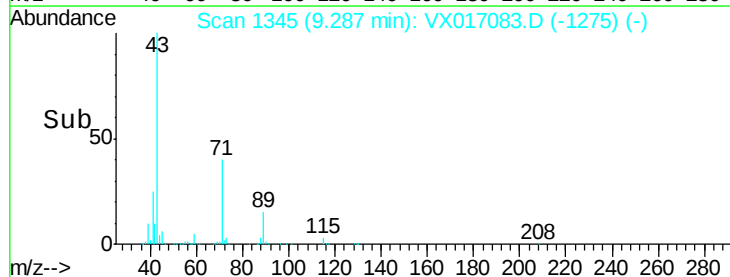
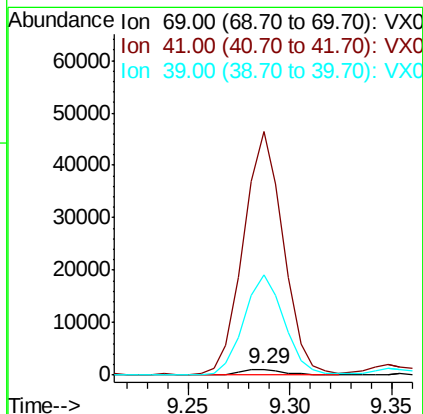
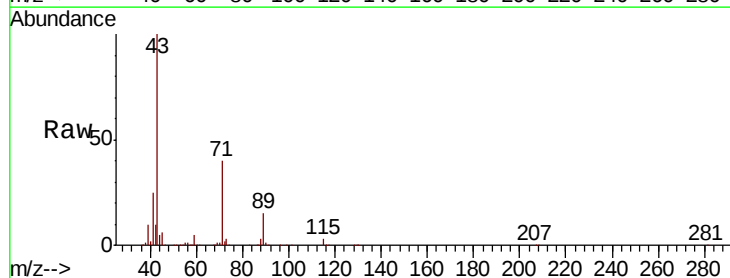
Tot Ion: 75 Resp: 32823
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 30.5 37.4 56.2#

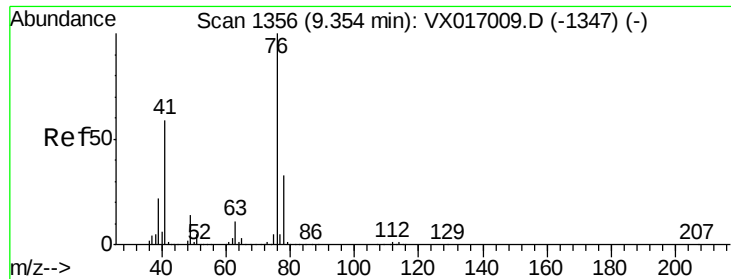


#56

Ethyl methacrylate
 Concen: 0.414 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX017083.D
 Acq: 01 Jul 2020 06:48

Tgt Ion: 69 Resp: 1675
 Ion Ratio Lower Upper
 69 100
 41 3779.6 53.6 80.4#
 39 1575.3 28.2 42.2#





#57

1,3-Dichloropropane

Concen: 1.274 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

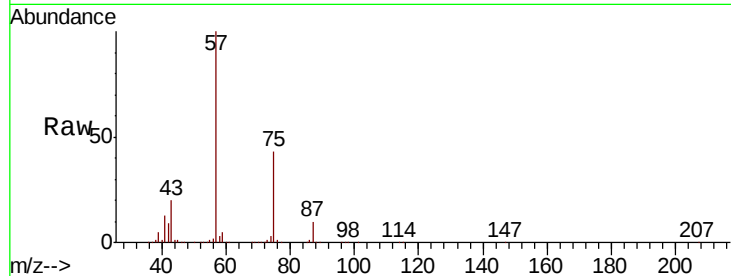
PB129852ZHE#19

Tot Ion: 76 Resp: 6128

Ion Ratio Lower Upper

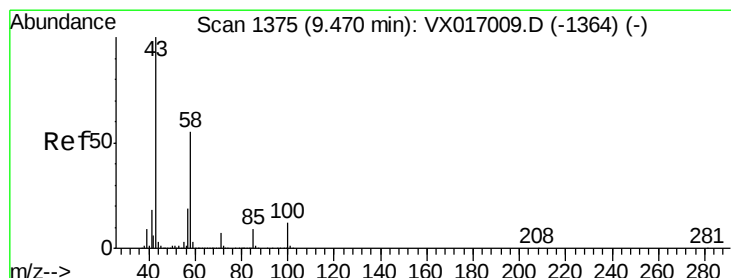
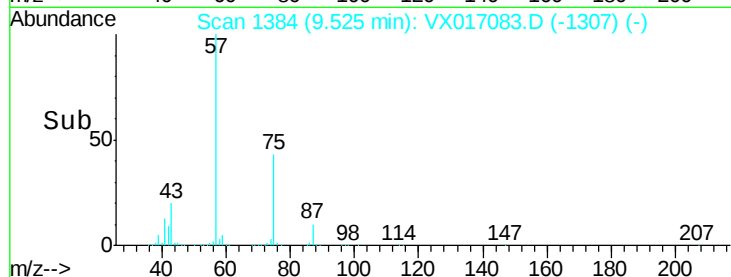
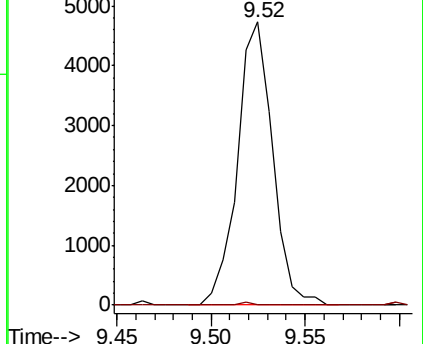
76 100

78 0.4 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: 29.756 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX017083.D

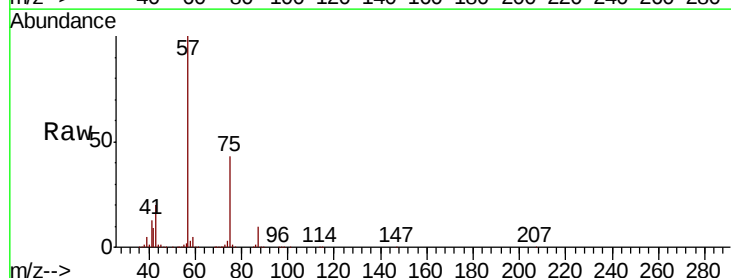
Acq: 01 Jul 2020 06:48

Tgt Ion: 43 Resp: 82809

Ion Ratio Lower Upper

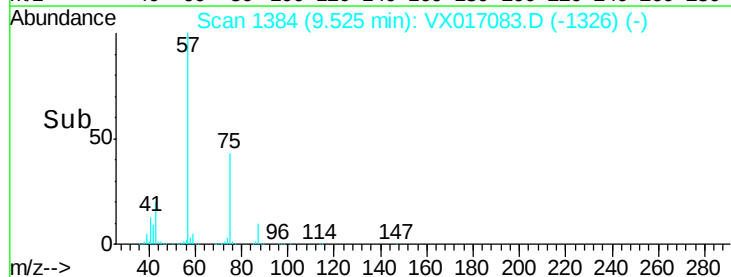
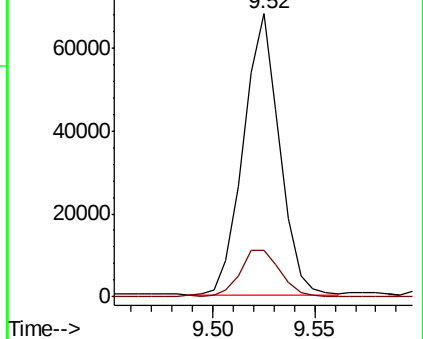
43 100

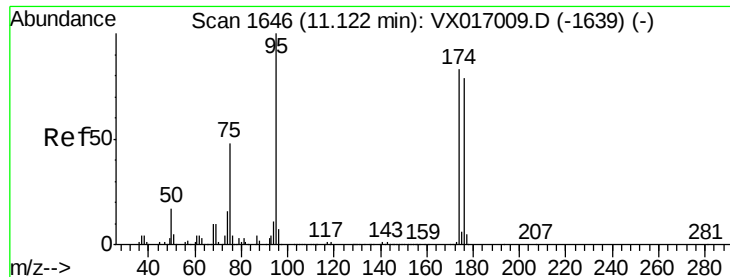
58 19.5 27.9 83.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 58.002 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#19

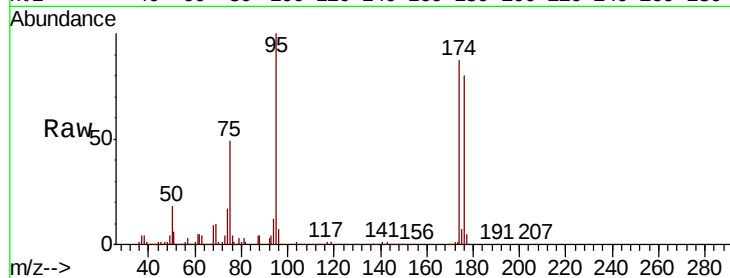
Tot Ion: 95 Resp: 212762

Ion Ratio Lower Upper

95 100

174 84.0 0.0 164.0

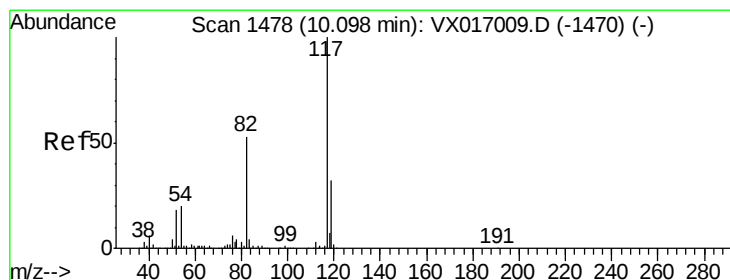
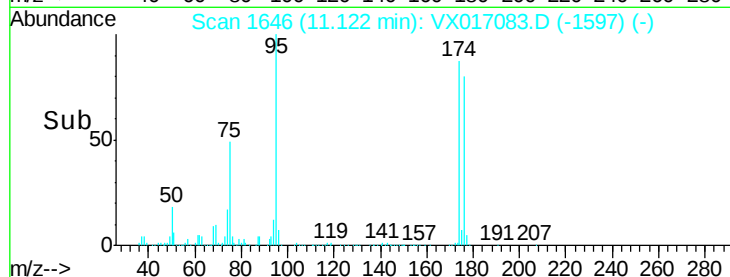
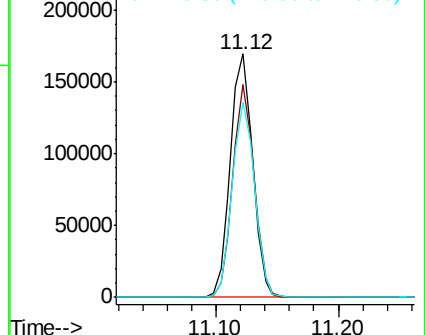
176 80.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

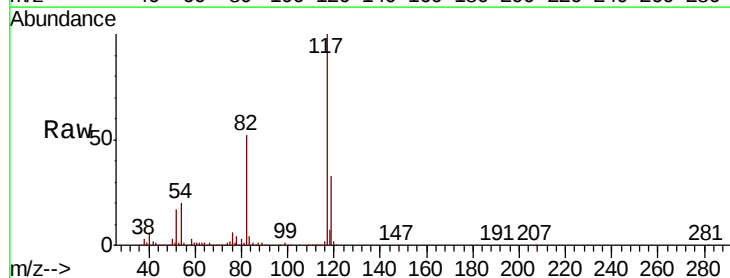
Tgt Ion: 117 Resp: 437729

Ion Ratio Lower Upper

117 100

82 52.1 42.6 63.8

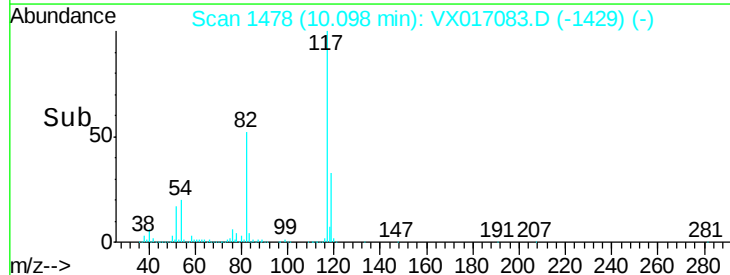
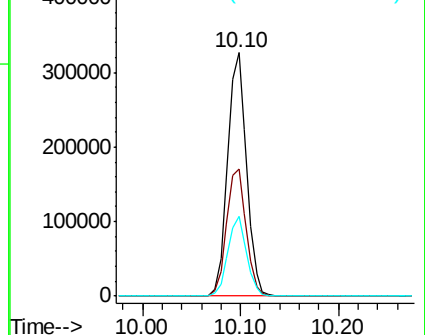
119 32.7 25.4 38.2

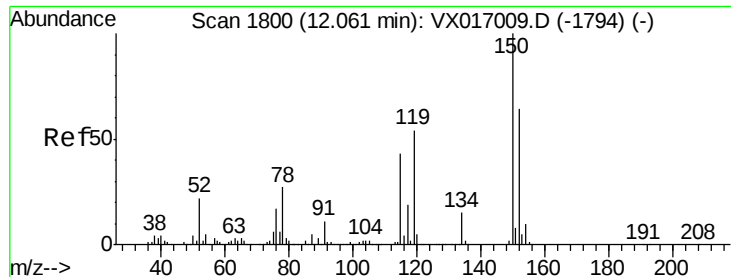


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#19

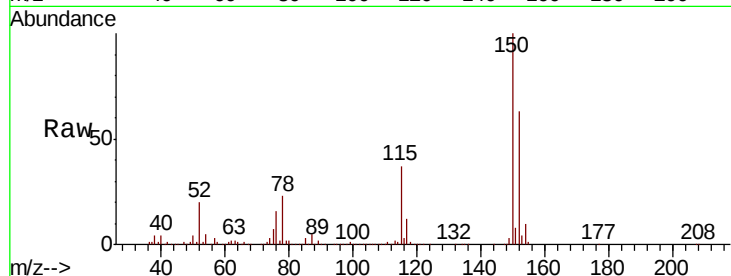
Tot Ion:152 Resp: 222511

Ion Ratio Lower Upper

152 100

115 57.7 40.9 122.7

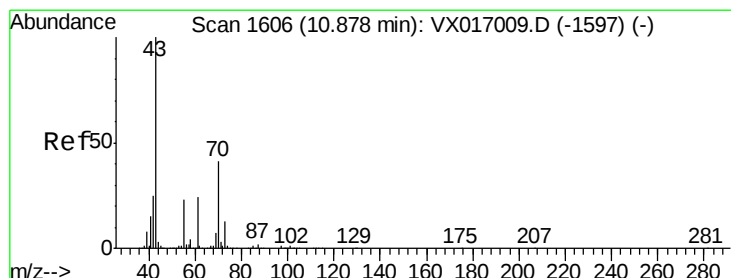
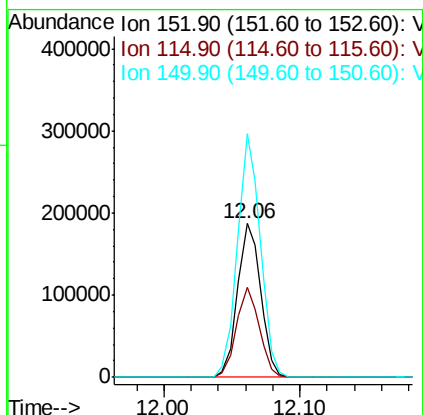
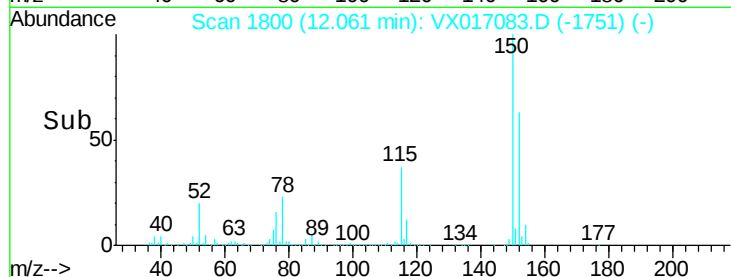
150 155.4 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.465 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Tgt Ion: 43 Resp: 2889

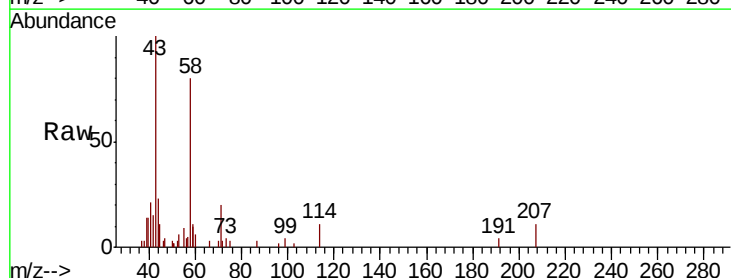
Ion Ratio Lower Upper

43 100

70 1.9 34.2 51.2#

55 10.0 19.2 28.8#

61 0.0 19.6 29.4#

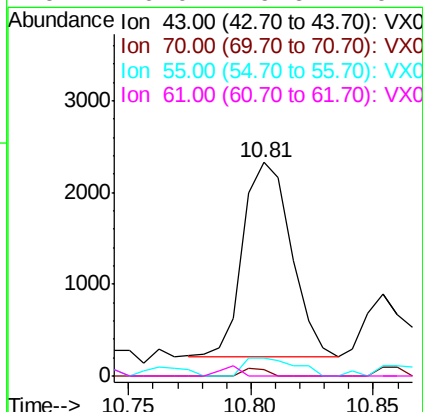
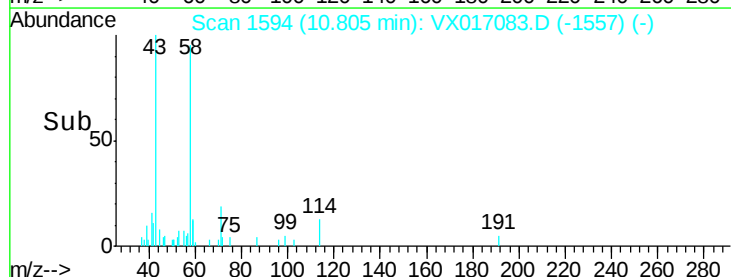


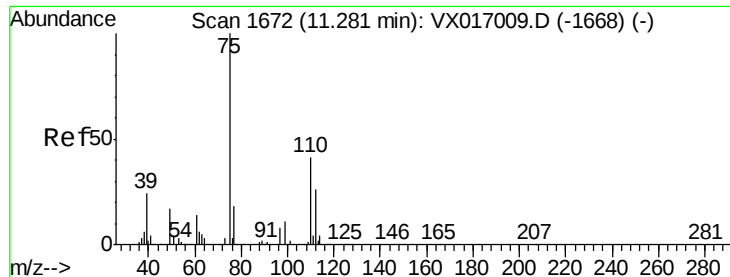
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.304 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

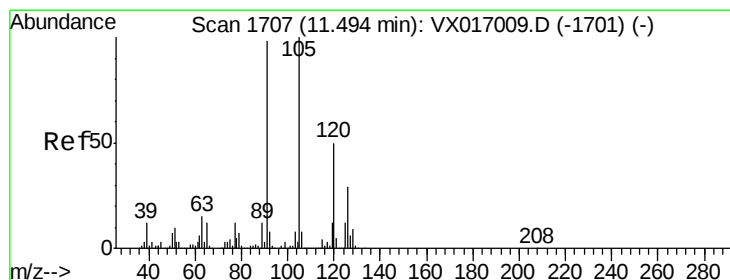
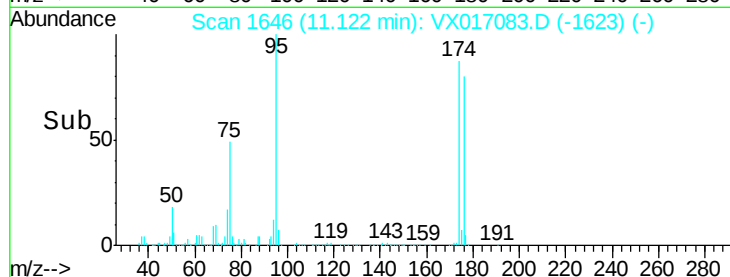
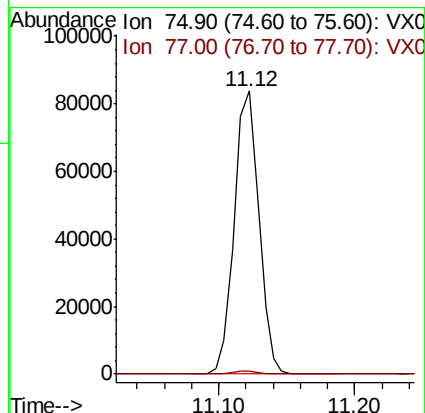
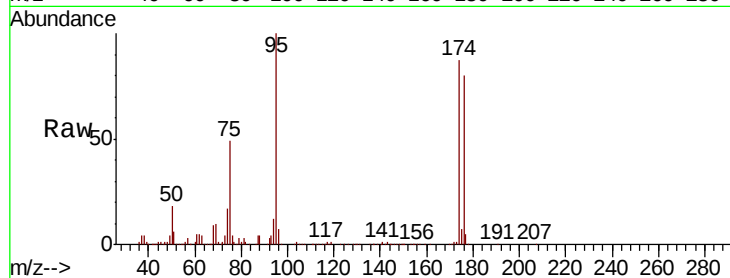
PB129852ZHE#19

Tot Ion: 75 Resp: 106342

Ion Ratio Lower Upper

75 100

77 1.1 20.2 60.6#



#80

1,3,5-Trimethylbenzene

Concen: 0.624 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017083.D

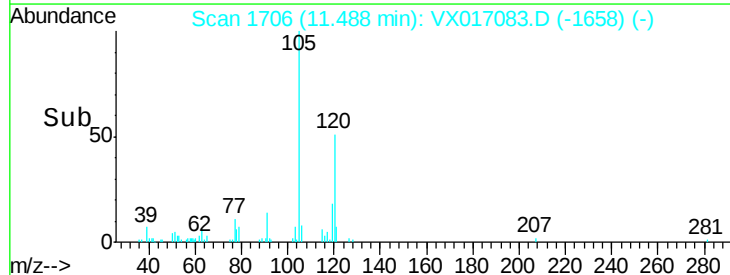
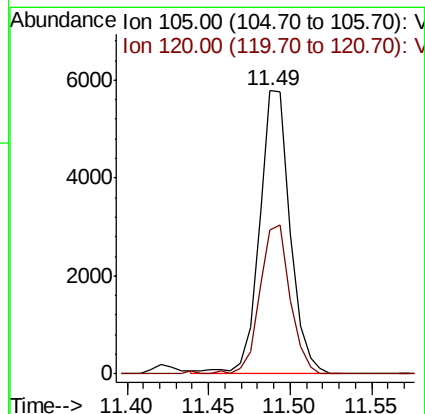
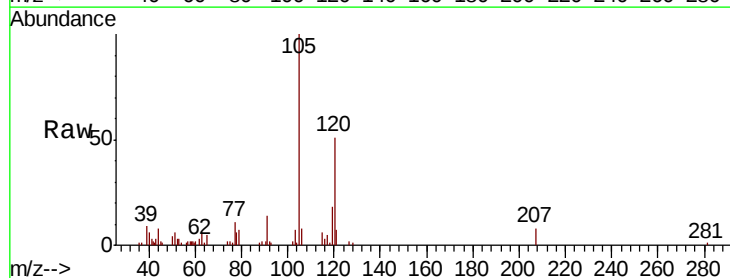
Acq: 01 Jul 2020 06:48

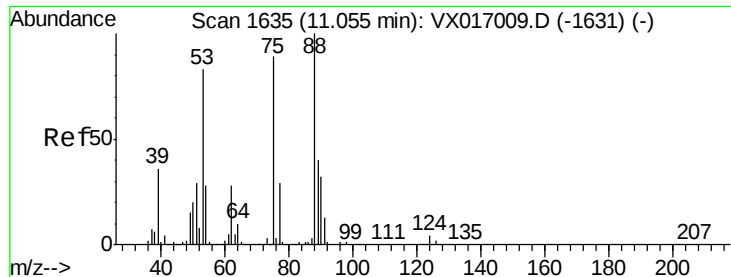
Tgt Ion: 105 Resp: 7542

Ion Ratio Lower Upper

105 100

120 51.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 62.938 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017083.D

Acq: 01 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#19

Tot Ion: 75 Resp: 106342

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

89 0.0 37.0 55.4#

