

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063020\
 Data File : VX017081.D
 Acq On : 01 Jul 2020 06:03
 Operator : JC/SP
 Sample : PB129852ZHE#17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#17

Quant Time: Jul 01 08:25:53 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	218457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	378844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208782	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	146361	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	5.47	113	127340	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	8.70	98	477948	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
62) 4-Bromofluorobenzene	11.12	95	195857	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	

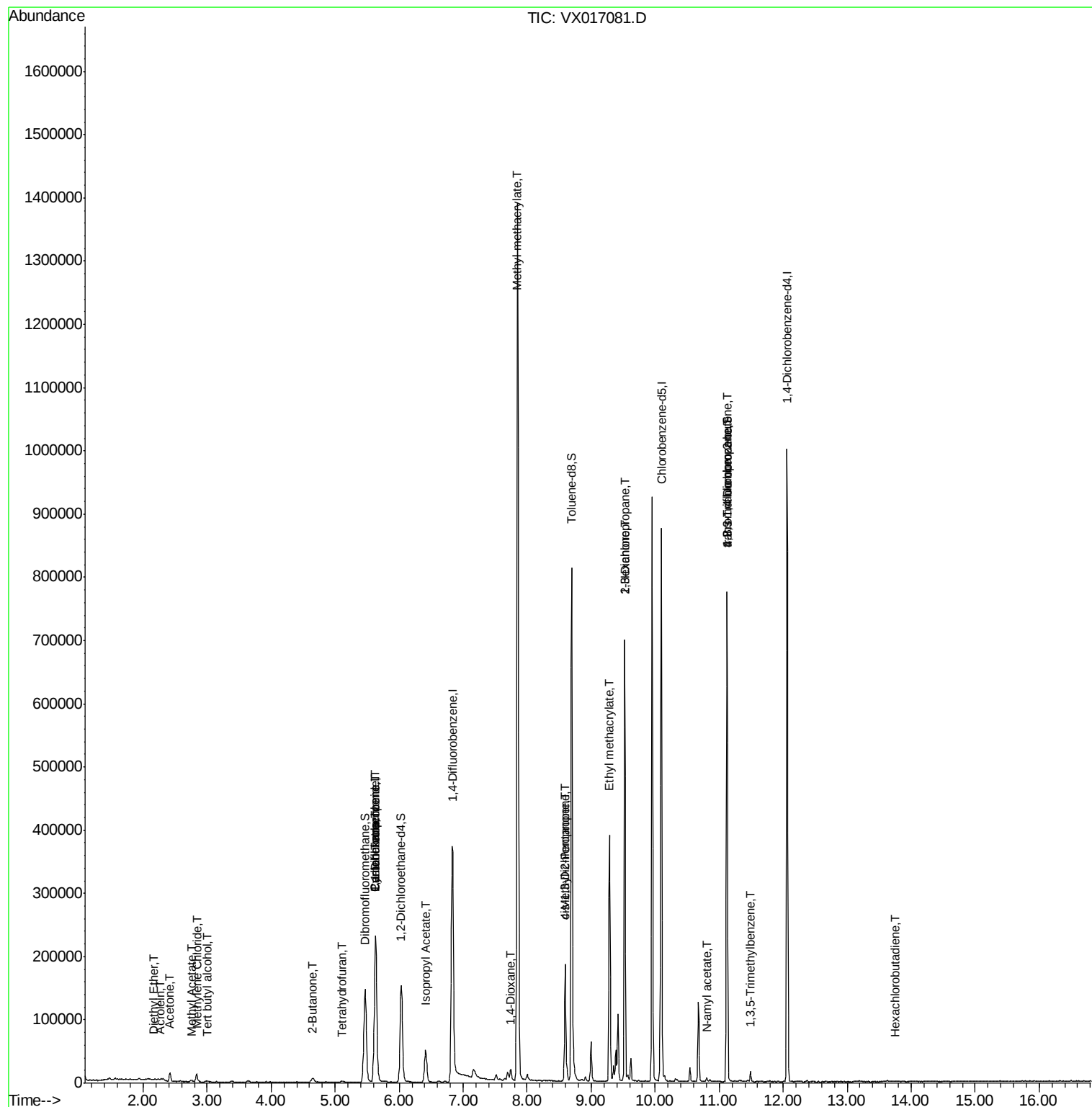
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	243	0.570	ug/l	82
11) Tert butyl alcohol	3.00	59	1598	3.110	ug/l #	79
13) Acrolein	2.26	56	372	1.211	ug/l #	72
16) Acetone	2.42	43	13957	13.853	ug/l	98
18) Methyl Acetate	2.76	43	3632	1.381	ug/l	99
20) Methylene Chloride	2.84	84	5988	1.838	ug/l	97
25) 2-Butanone	4.65	43	2986	1.779	ug/l	100
29) Tetrahydrofuran	5.10	42	1064	0.959	ug/l #	86
31) Cyclohexane	5.62	56	4695	1.291	ug/l #	28
36) 1,1-Dichloropropene	5.63	75	15885	4.436	ug/l #	51
38) Carbon Tetrachloride	5.64	117	21771	5.520	ug/l #	17
43) Isopropyl Acetate	6.42	43	68739	11.387	ug/l	99
44) Trichloroethene	7.19	130	541	Below Cal		78
48) Methyl methacrylate	7.85	41	117893	41.106	ug/l #	44
49) 1,4-Dioxane	7.74	88	22	0.339	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	67905	18.870	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	29465	6.553	ug/l #	62
56) Ethyl methacrylate	9.29	69	1579	0.413	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5489	1.209	ug/l #	46
59) 2-Hexanone	9.52	43	75695	28.802	ug/l #	51
74) N-amyl acetate	10.80	43	2685	0.460	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	97988	23.867	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	6164	0.543	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	97988	61.807	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	388	Below Cal		89
94) Hexachlorobutadiene	13.76	225	42	0.869	ug/l #	1

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

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Instrument :
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ClientSampleId :
PB129852ZHE#17

Quant Time: Jul 01 08:25:53 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: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

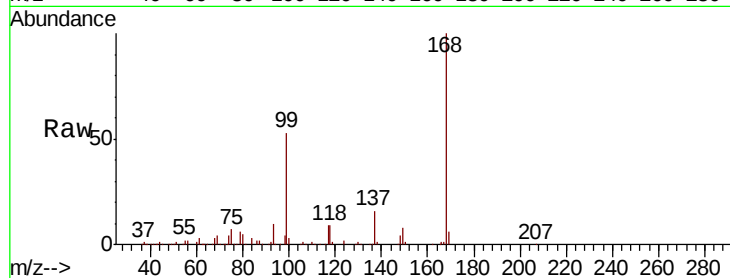
PB129852ZHE#17

Tot Ion:168 Resp: 218457

Ion Ratio Lower Upper

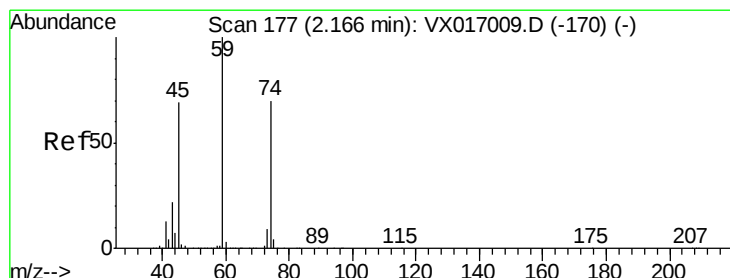
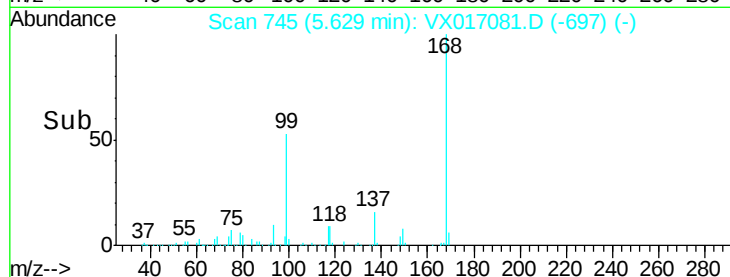
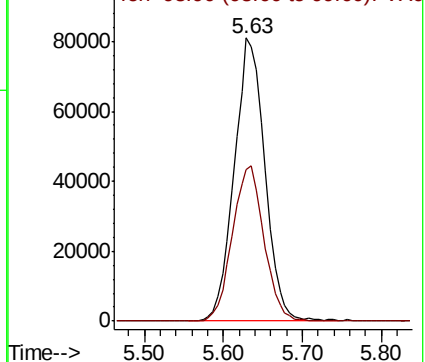
168 100

99 53.4 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: 0.570 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017081.D

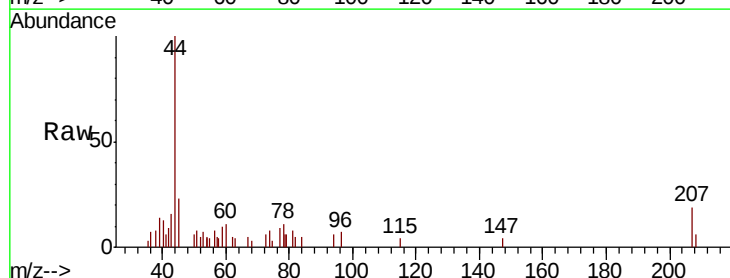
Acq: 01 Jul 2020 06:03

Tgt Ion: 74 Resp: 243

Ion Ratio Lower Upper

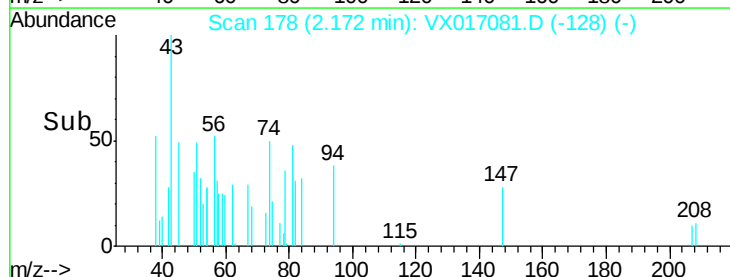
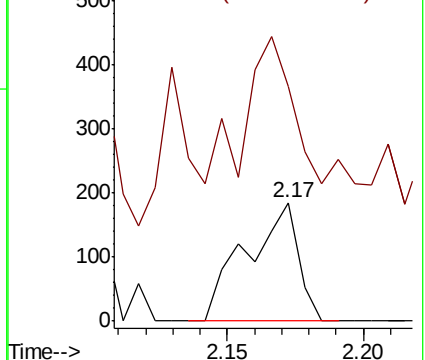
74 100

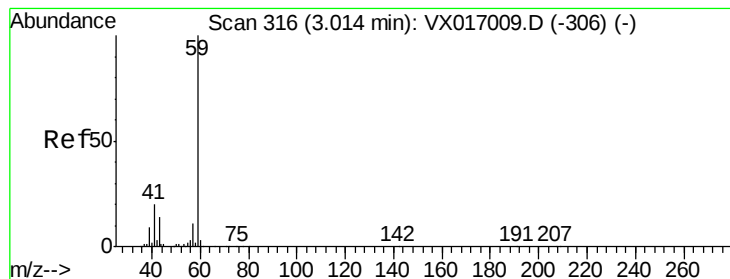
45 117.3 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



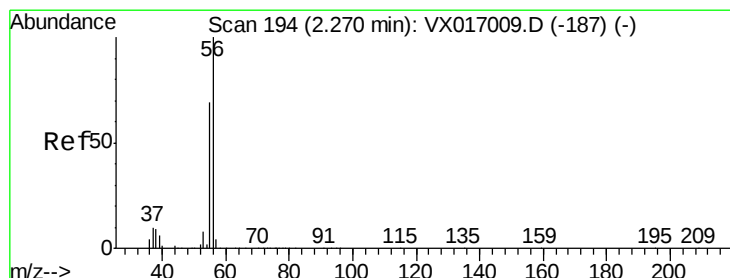
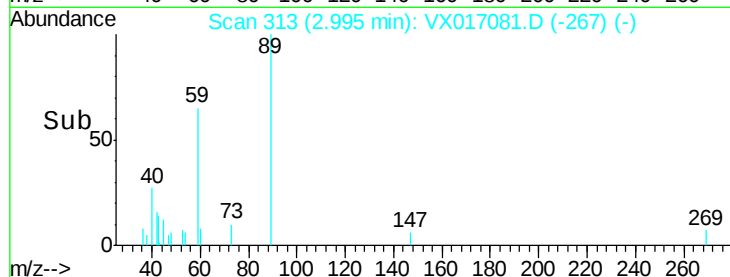
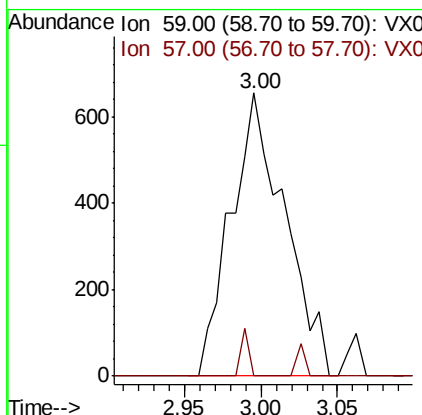
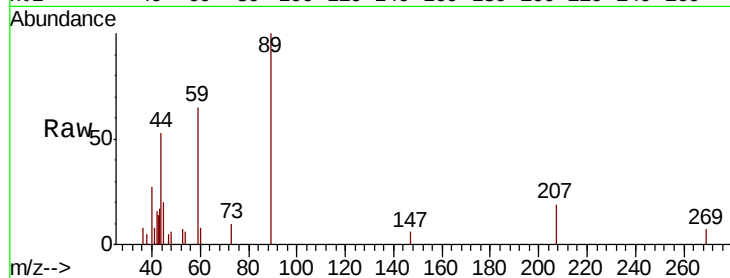


#11

Tert butyl alcohol
 Concen: 3.110 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX017081.D
 Acq: 01 Jul 2020 06:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#17

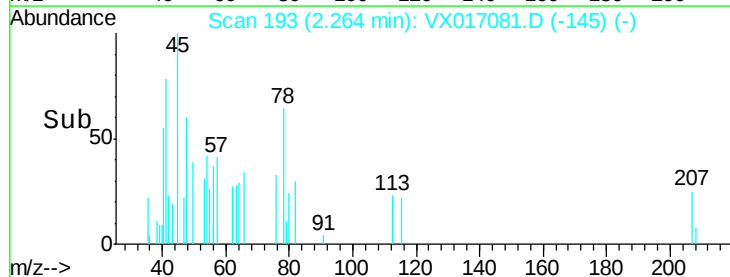
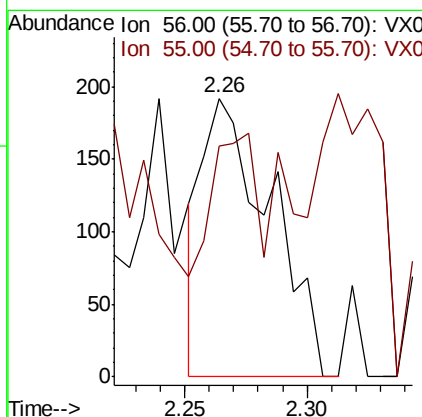
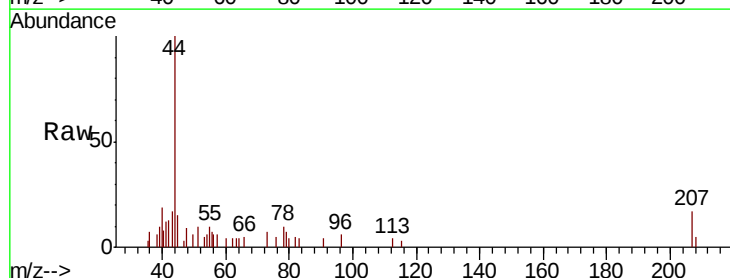
Tot Ion: 59.00 Resp: 1598
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.2 12.2#

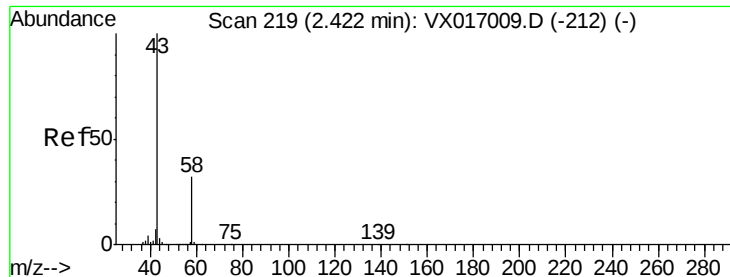


#13

Acrolein
 Concen: 1.211 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX017081.D
 Acq: 01 Jul 2020 06:03

Tgt Ion: 56 Resp: 372
 Ion Ratio Lower Upper
 56 100
 55 46.5 55.7 83.5#





#16

Acetone

Concen: 13.853 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

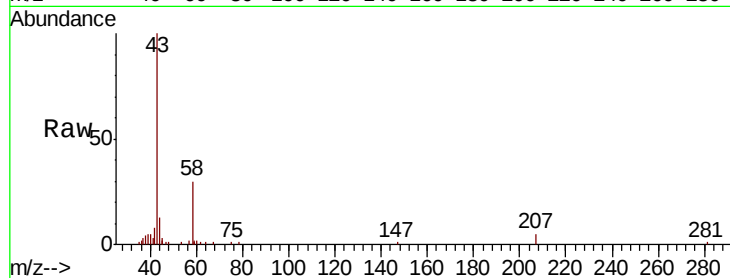
PB129852ZHE#17

Tot Ion: 43 Resp: 13957

Ion Ratio Lower Upper

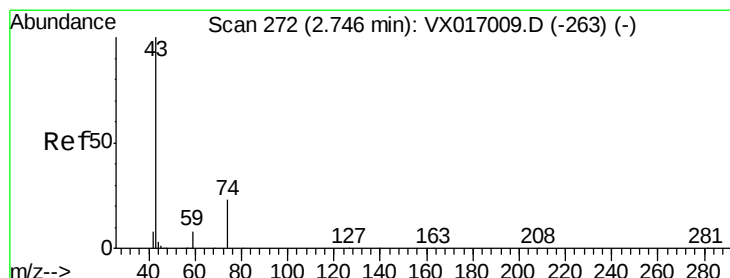
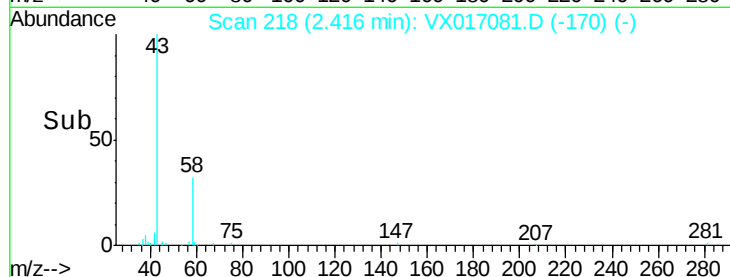
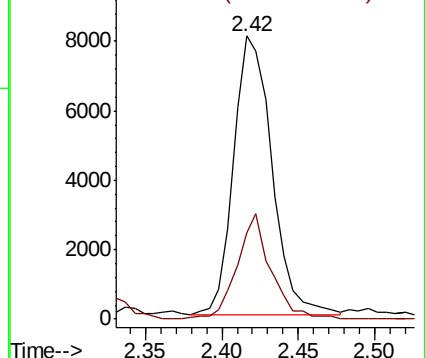
43 100

58 30.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.381 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017081.D

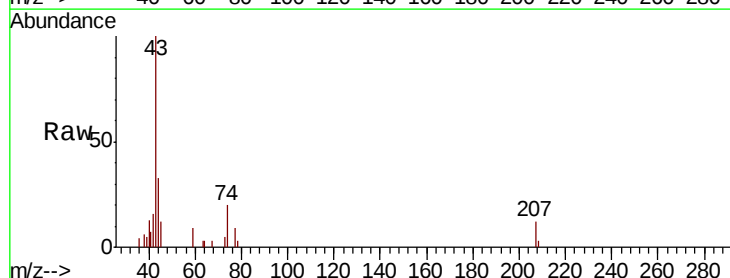
Acq: 01 Jul 2020 06:03

Tgt Ion: 43 Resp: 3632

Ion Ratio Lower Upper

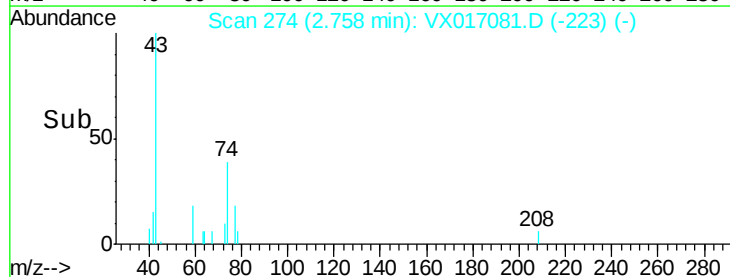
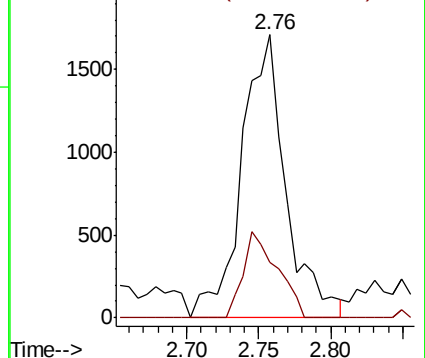
43 100

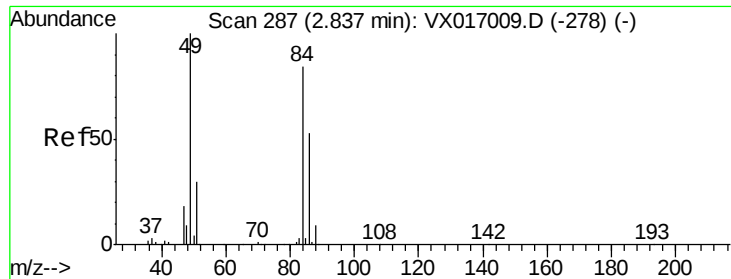
74 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

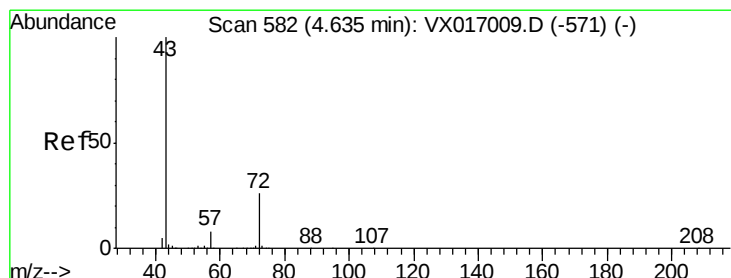
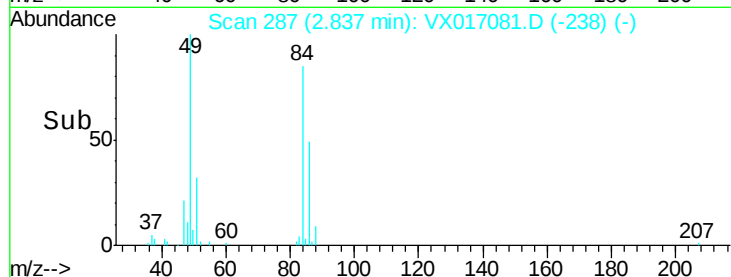
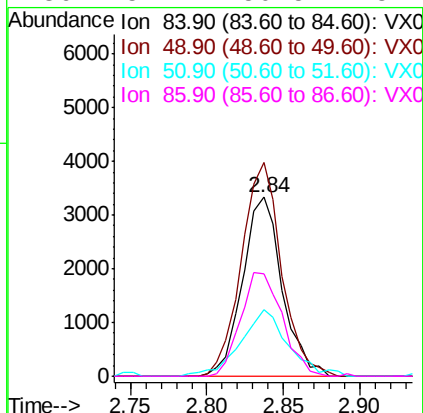
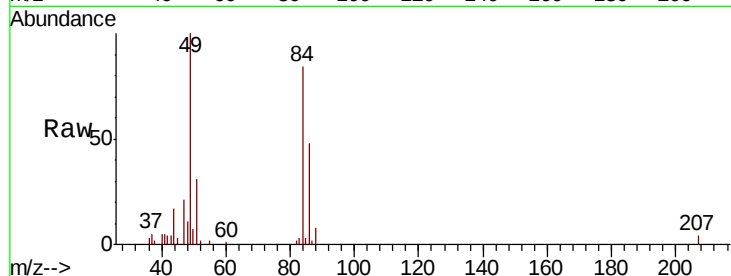




#20
Methvlene Chloride
Concen: 1.838 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

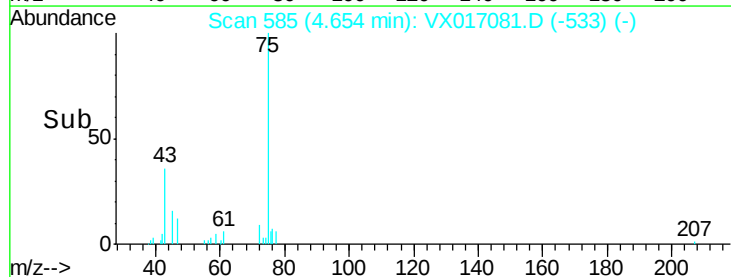
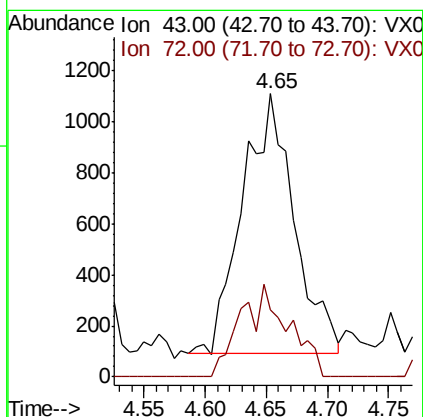
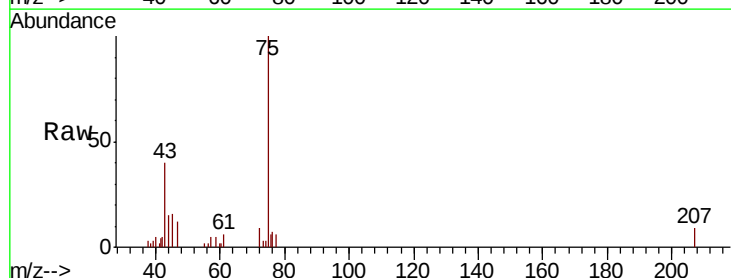
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#17

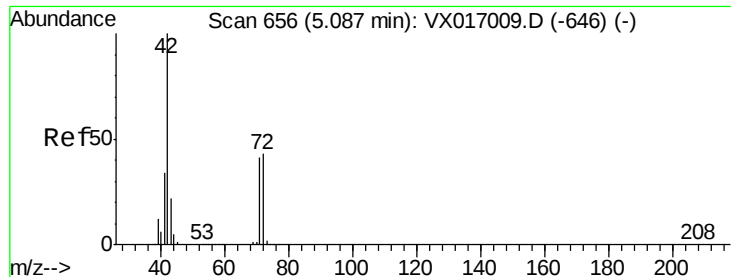
Tot Ion: 84 Resp: 5988
Ion Ratio Lower Upper
84 100
49 119.5 94.7 142.1
51 36.0 28.6 42.8
86 57.1 50.5 75.7



#25
2-Butanone
Concen: 1.779 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Tgt Ion: 43 Resp: 2986
Ion Ratio Lower Upper
43 100
72 25.9 20.8 31.2

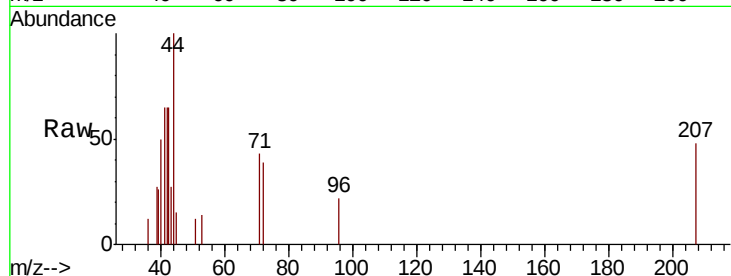




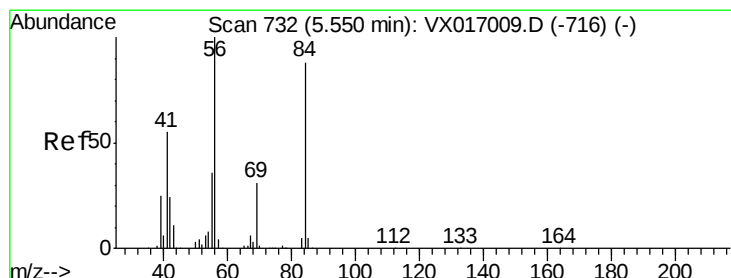
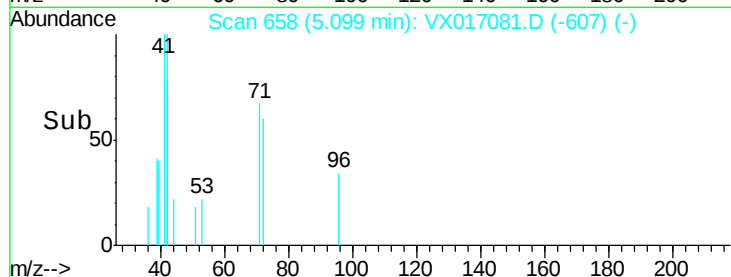
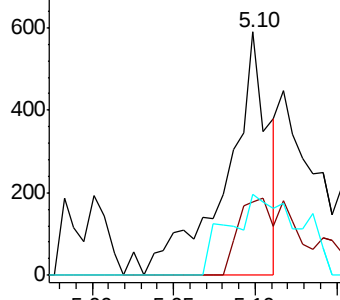
#29
Tetrahydrofuran
Concen: 0.959 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#17

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	35.3	52.9
71	55.8	33.1	49.7#

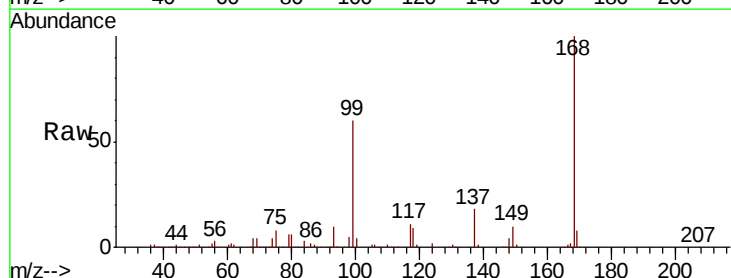


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

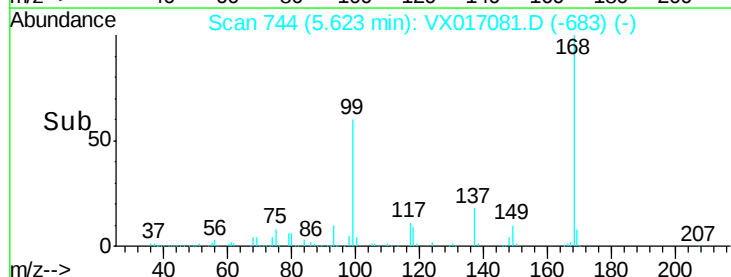
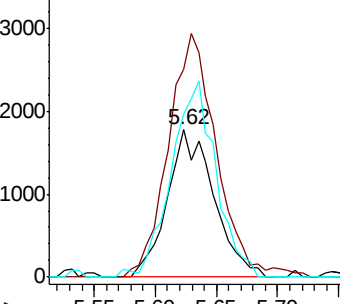


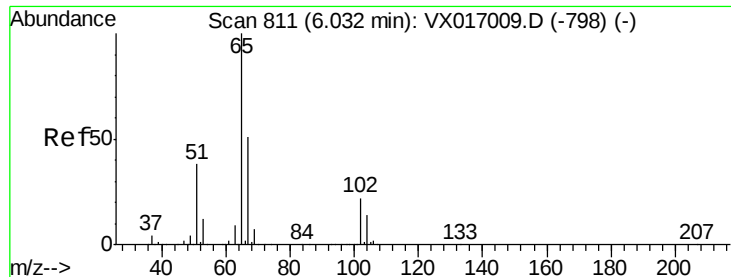
#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	140.9	25.0	37.4#
84	110.7	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: 54.346 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

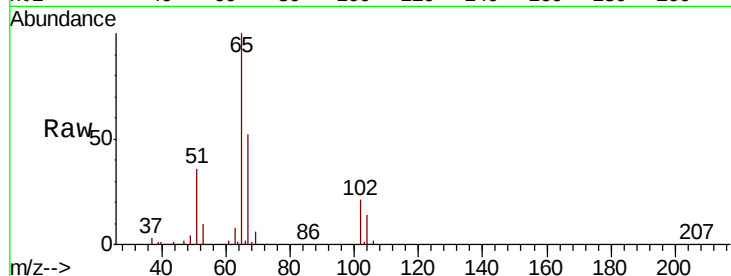
PB129852ZHE#17

Tot Ion: 65 Resp: 146361

Ion Ratio Lower Upper

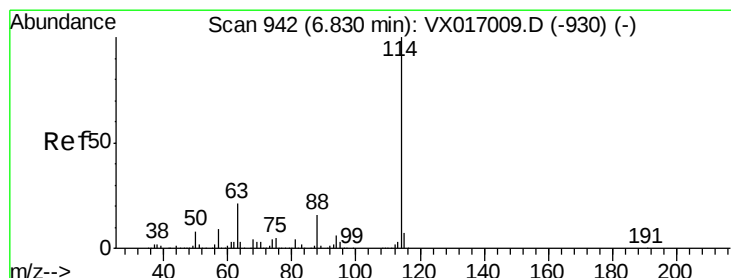
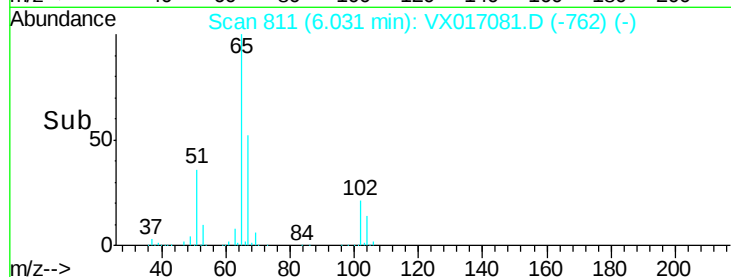
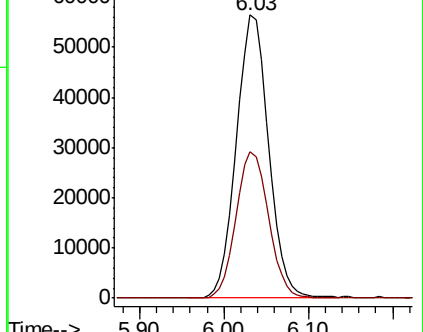
65 100

67 52.3 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: VX017081.D

Acq: 01 Jul 2020 06:03

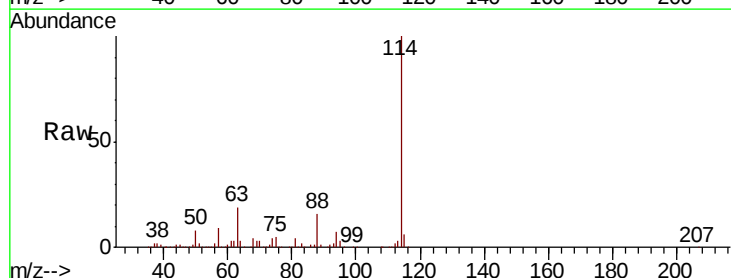
Tgt Ion: 114 Resp: 378844

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

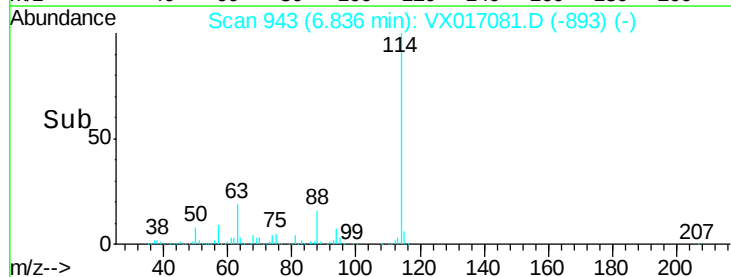
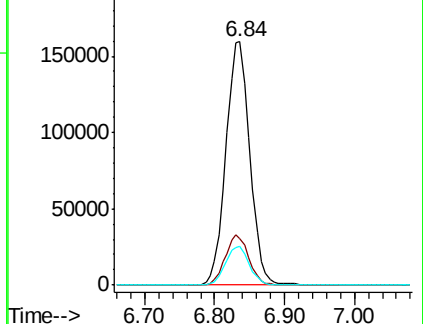
88 16.2 0.0 32.4

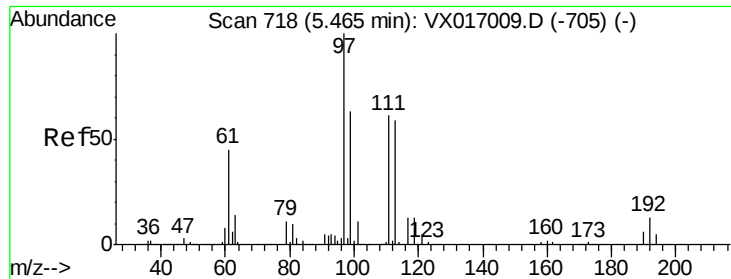


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

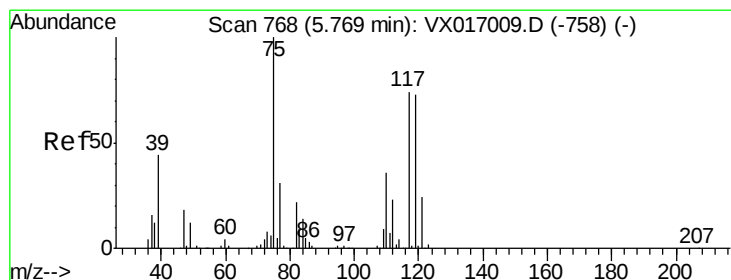
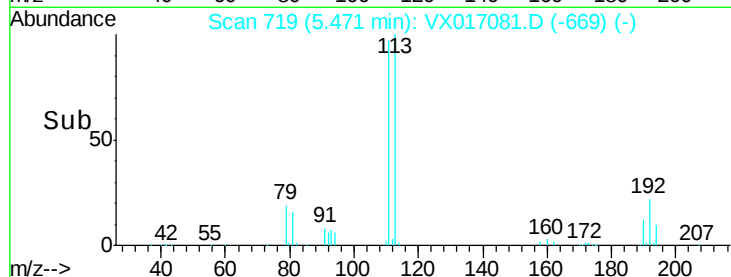
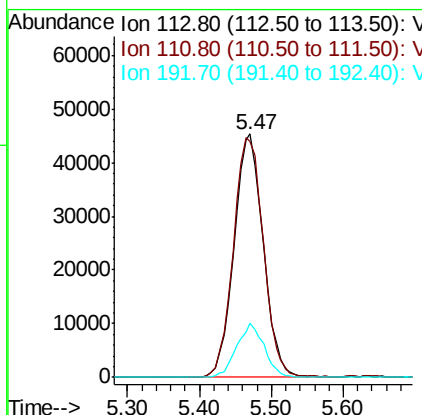
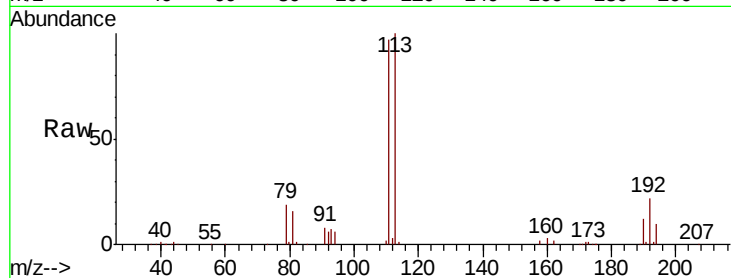




#35
 Dibromofluoromethane
 Concen: 53.137 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017081.D
 Acq: 01 Jul 2020 06:03

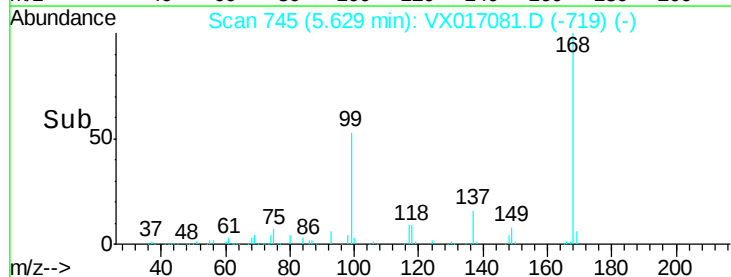
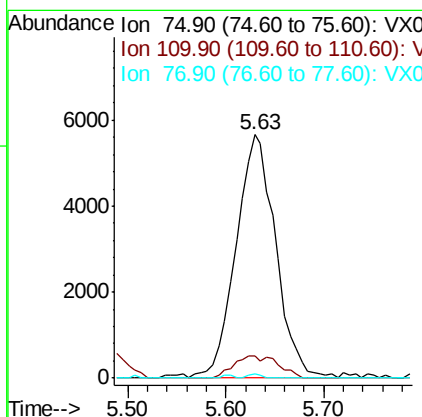
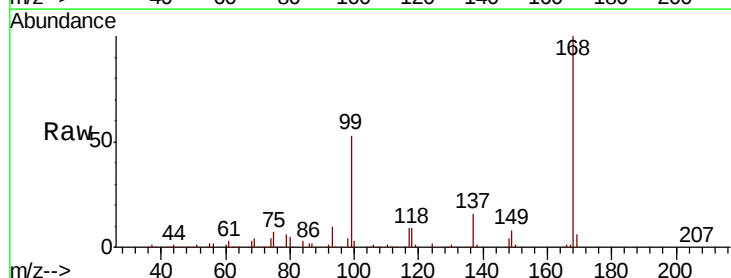
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#17

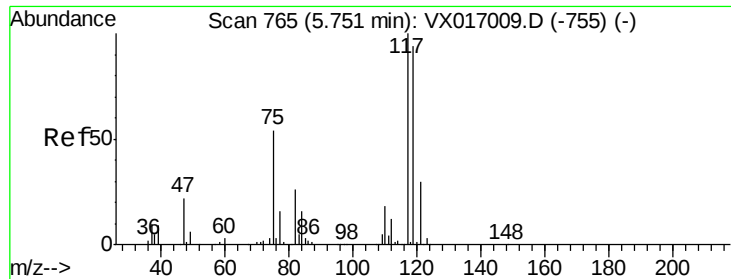
Tot Ion:113 Resp: 127340
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 21.0 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.436 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017081.D
 Acq: 01 Jul 2020 06:03

Tgt Ion: 75 Resp: 15885
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.1#
 77 0.5 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.520 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#17

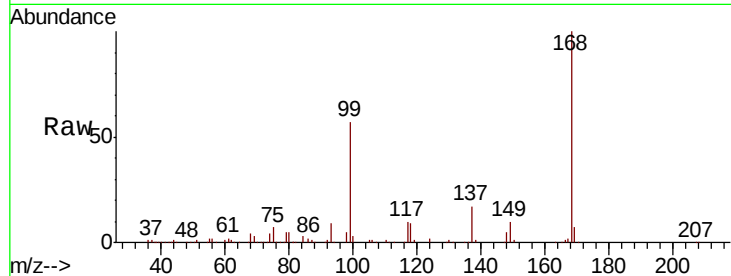
Tot Ion:117 Resp: 21771

Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.0#

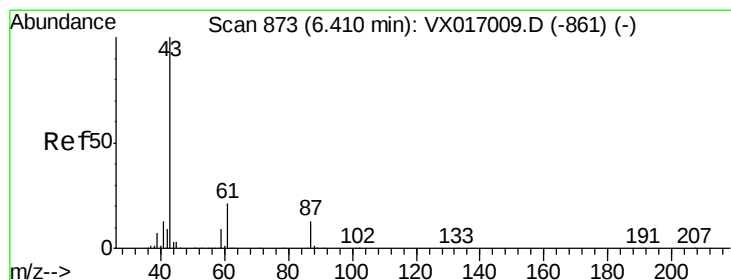
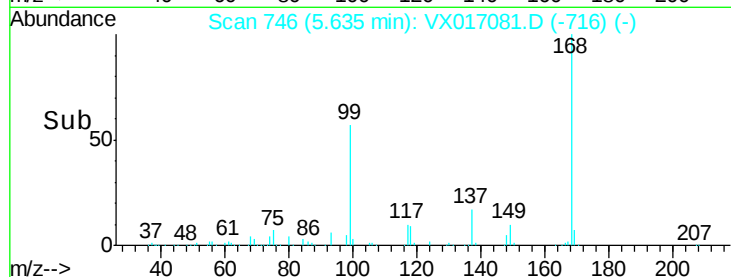
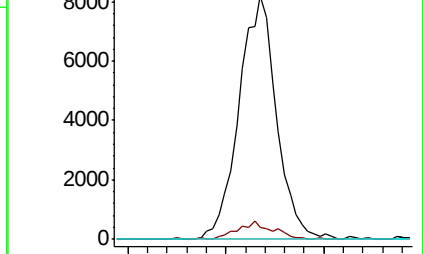
121 0.0 23.8 35.6#



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: 11.387 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

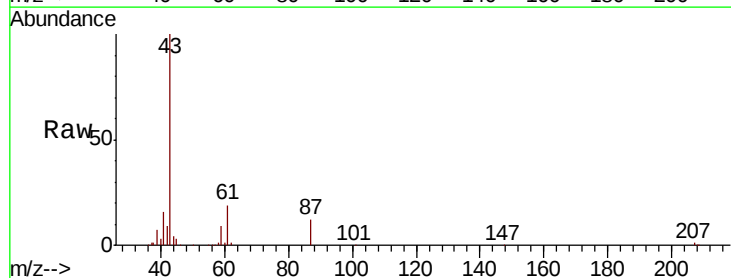
Tgt Ion: 43 Resp: 68739

Ion Ratio Lower Upper

43 100

61 21.0 16.2 24.2

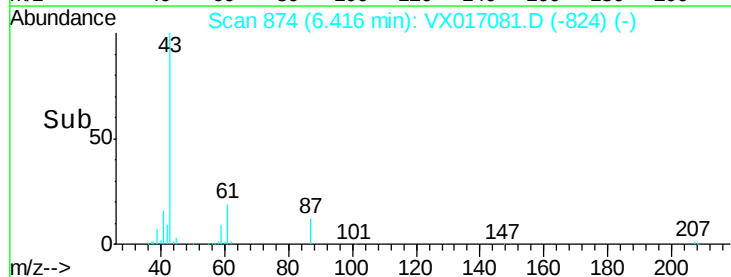
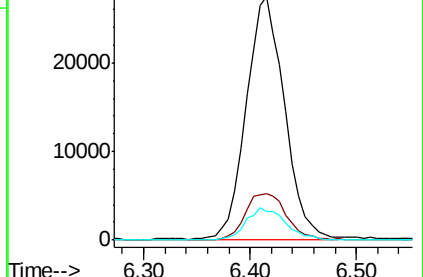
87 13.8 10.7 16.1

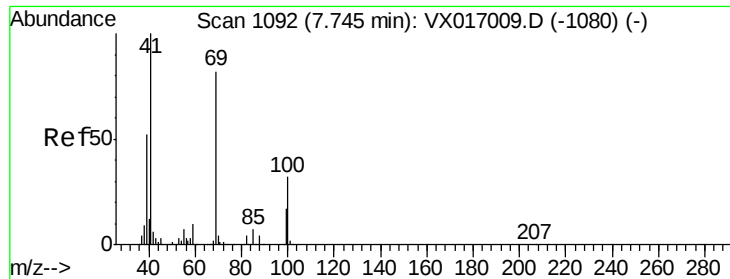


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

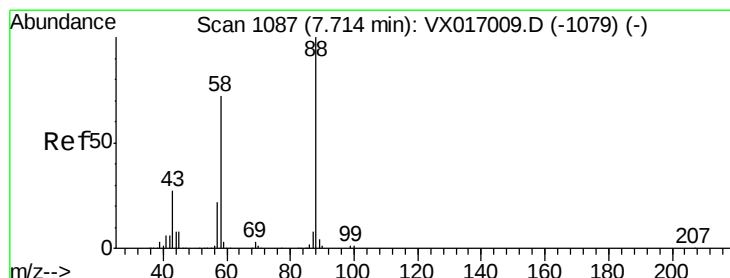
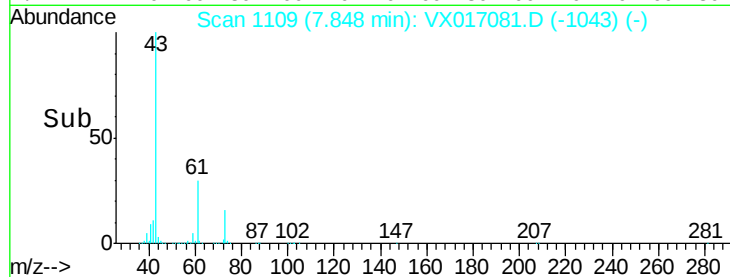
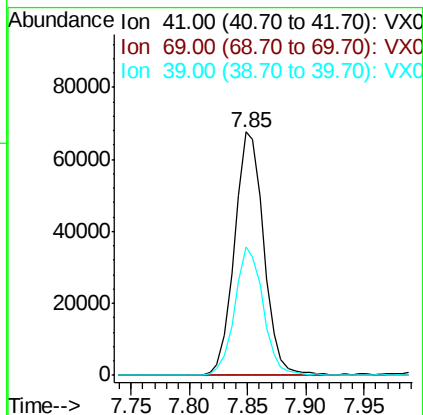
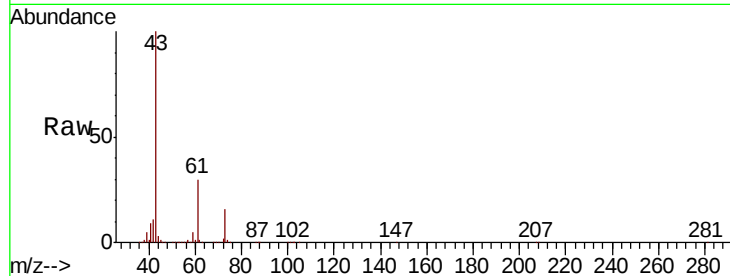




#48
Methvl methacrvlate
Concen: 41.106 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

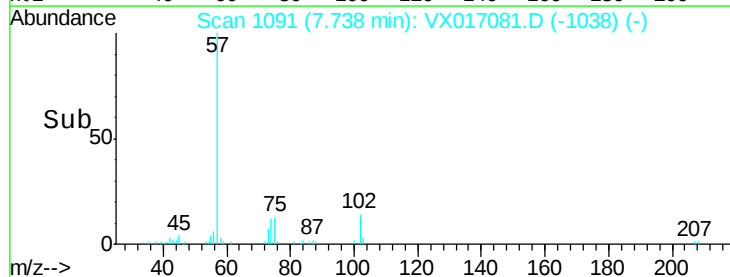
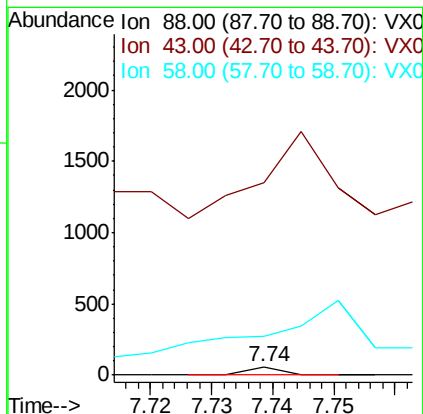
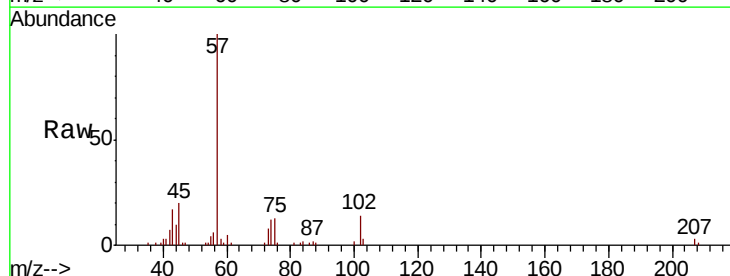
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#17

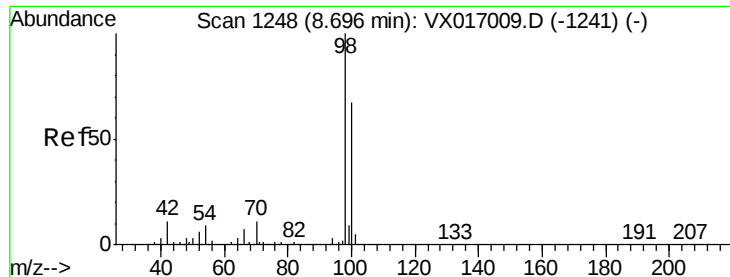
Tot Ion: 41 Resp: 117893
Ion Ratio Lower Upper
41 100
69 0.2 65.8 98.8#
39 51.7 42.5 63.7



#49
1,4-Dioxane
Concen: 0.339 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 3695.5 54.8 82.2#

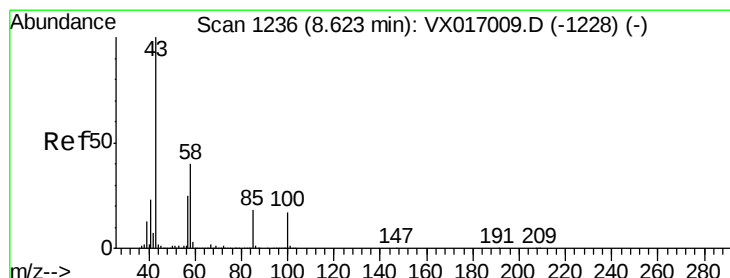
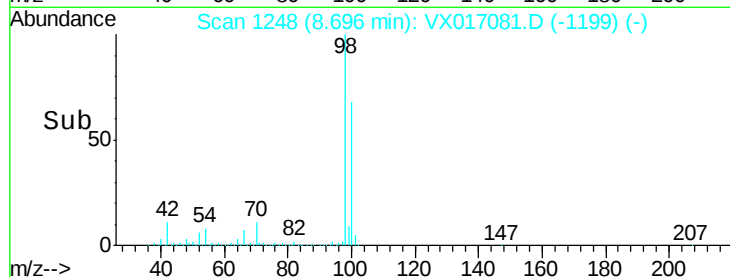
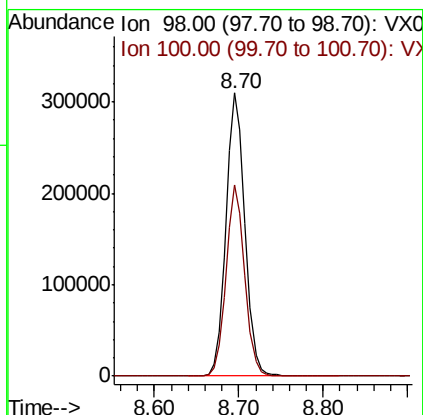
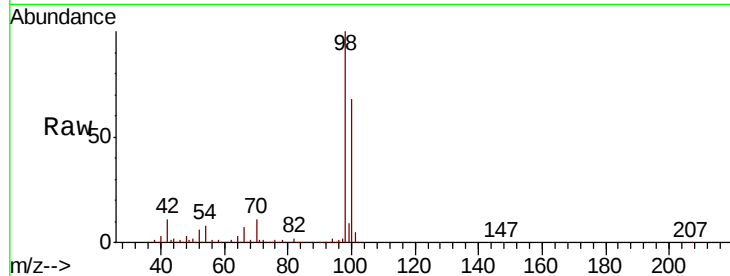




#50
Toluene-d8
Concen: 53.935 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

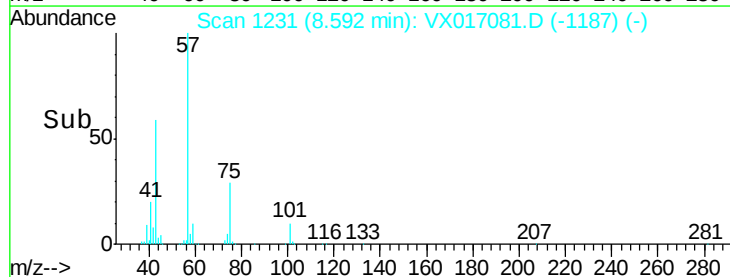
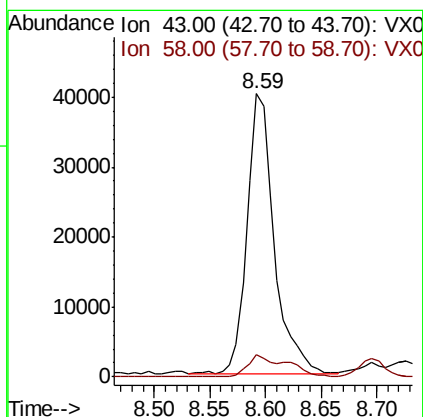
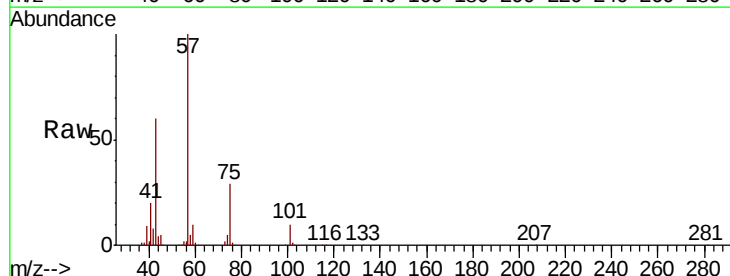
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#17

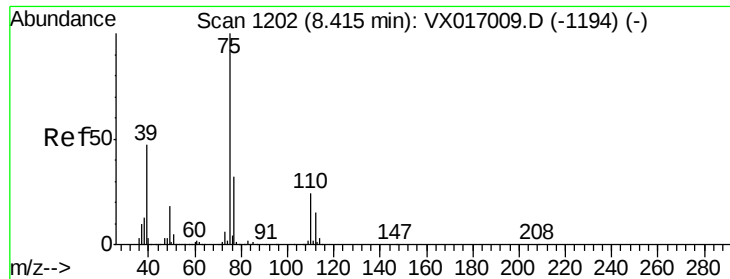
Tot Ion: 98 Resp: 477948
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 18.870 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Tgt Ion: 43 Resp: 67905
Ion Ratio Lower Upper
43 100
58 7.1 31.9 47.9#





#54

cis-1,3-Dichloropropene

Concen: 6.553 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#17

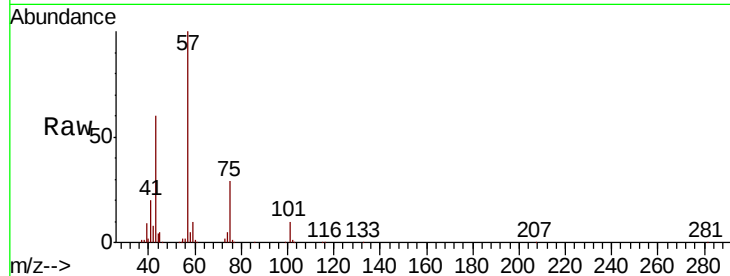
Tot Ion: 75 Resp: 29465

Ion Ratio Lower Upper

75 100

77 0.8 25.2 37.8#

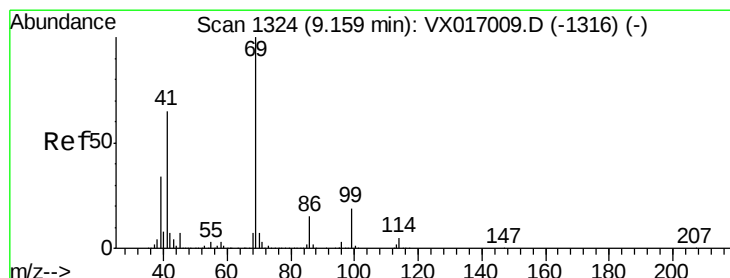
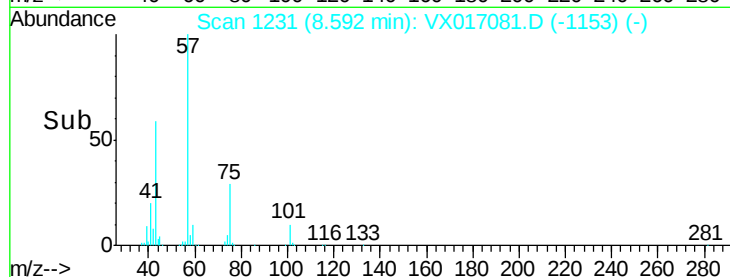
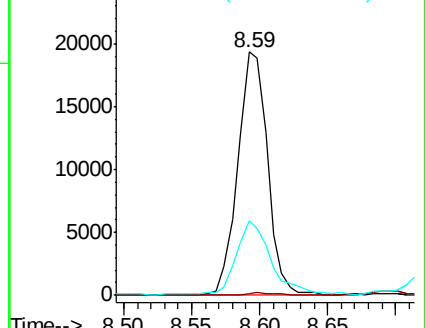
39 29.3 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#56

Ethyl methacrylate

Concen: 0.413 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

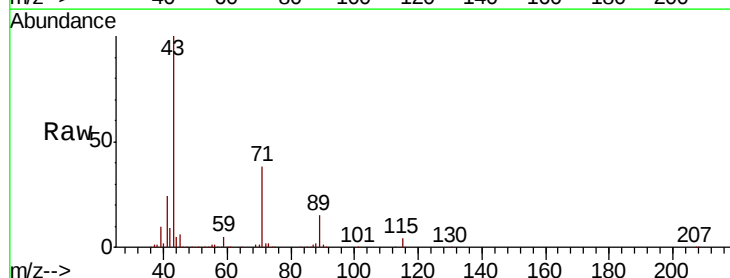
Tgt Ion: 69 Resp: 1579

Ion Ratio Lower Upper

69 100

41 3624.8 53.6 80.4#

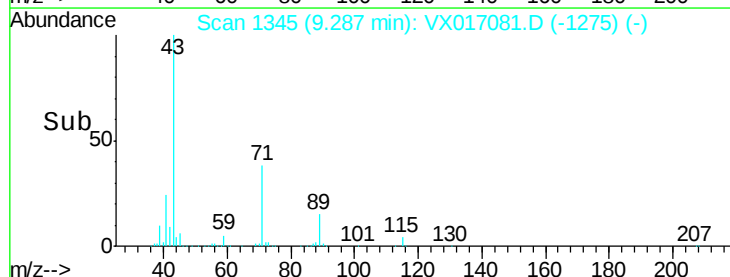
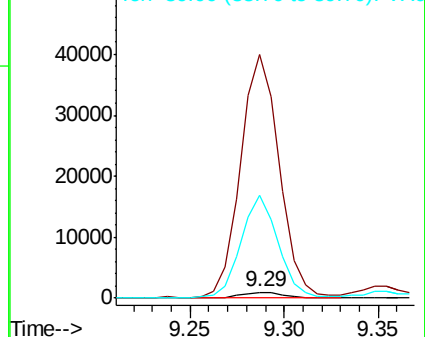
39 1469.9 28.2 42.2#

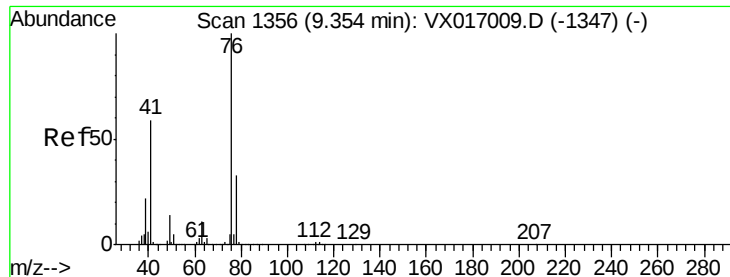


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 1.209 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

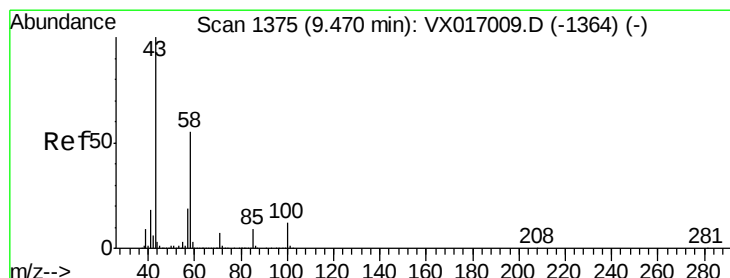
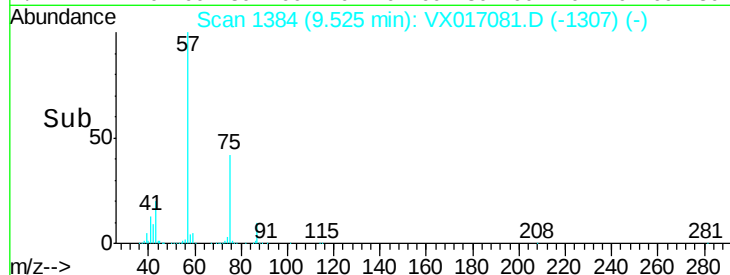
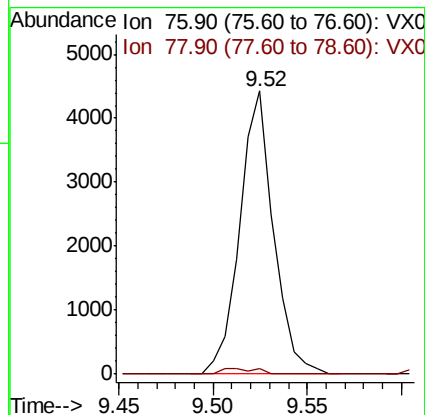
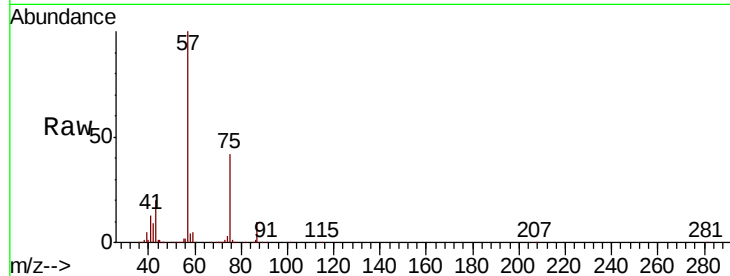
PB129852ZHE#17

Tot Ion: 76 Resp: 5489

Ion Ratio Lower Upper

76 100

78 2.0 25.9 38.9#



#59

2-Hexanone

Concen: 28.802 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX017081.D

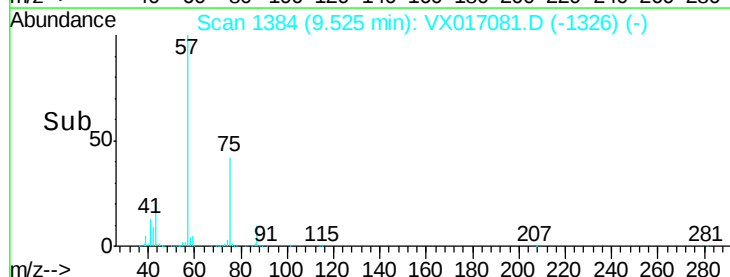
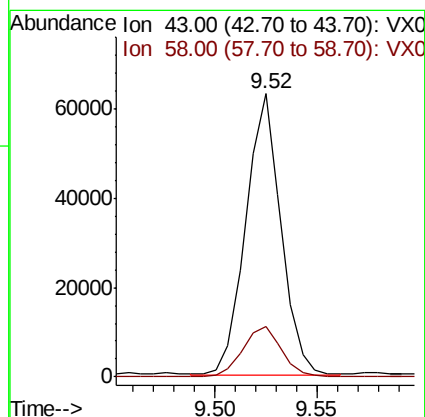
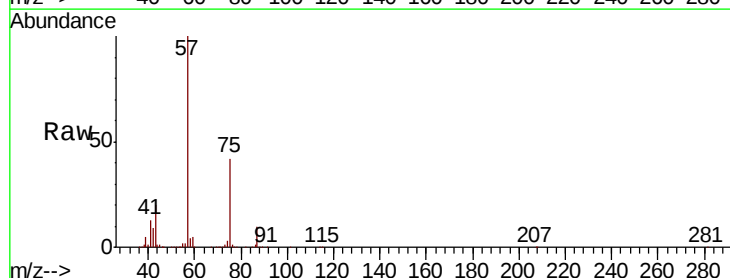
Acq: 01 Jul 2020 06:03

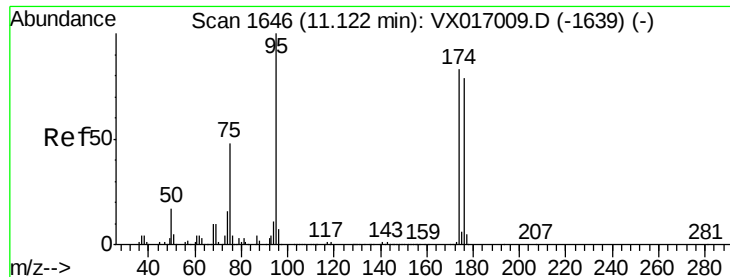
Tgt Ion: 43 Resp: 75695

Ion Ratio Lower Upper

43 100

58 19.9 27.9 83.6#

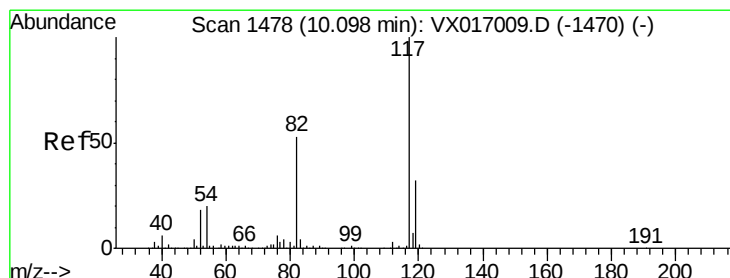
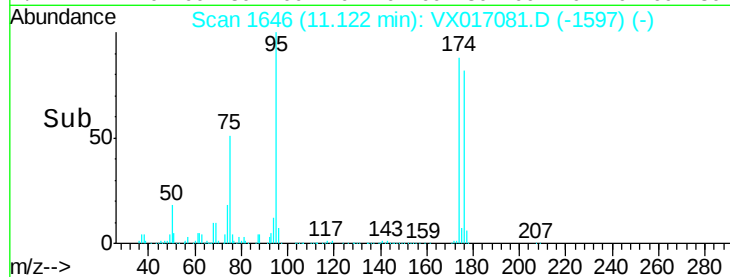
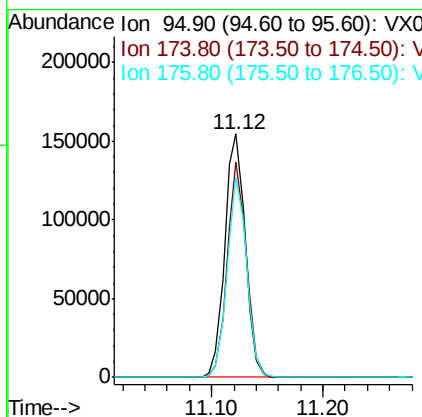
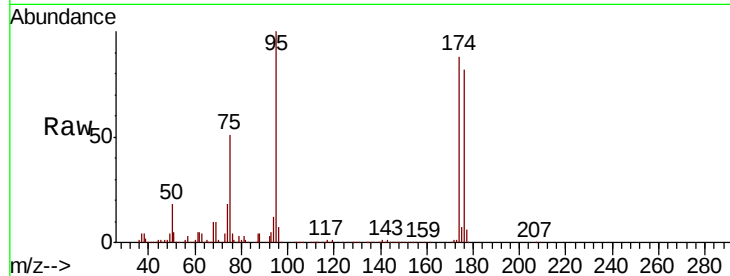




#62
4-Bromofluorobenzene
Concen: 56.539 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

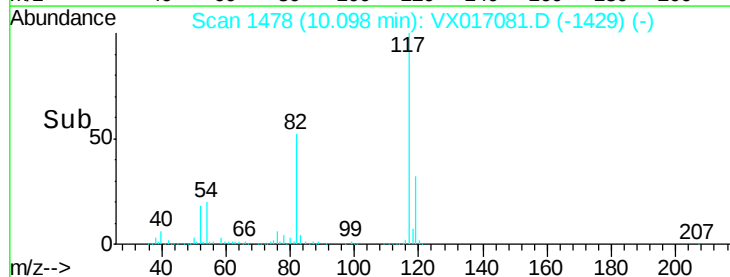
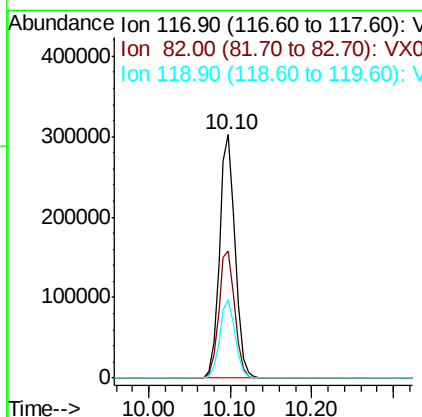
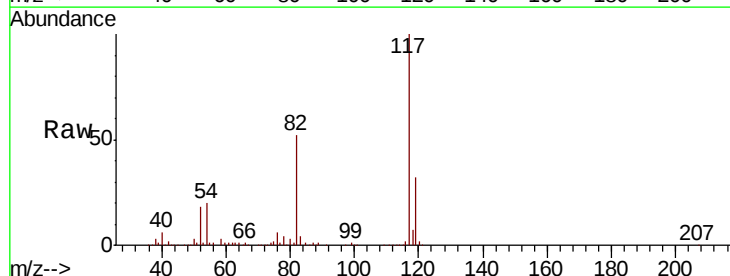
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#17

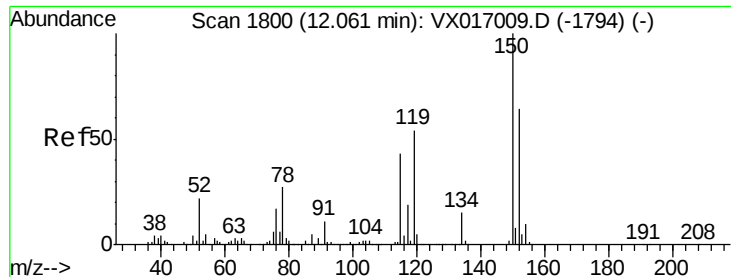
Tot Ion	95	Resp	195857
Ion Ratio	100		
Lower		0.0	164.0
Upper		0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Tgt Ion	117	Resp	404544
Ion Ratio	100		
Lower		42.6	63.8
Upper		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: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#17

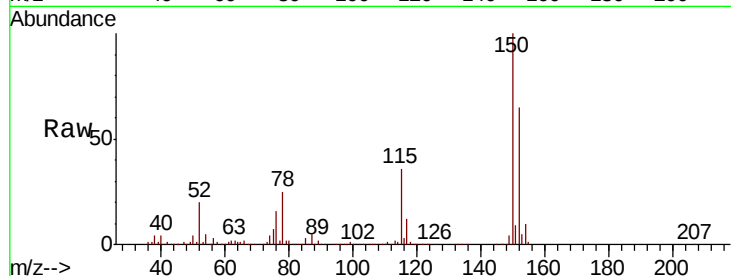
Tot Ion:152 Resp: 208782

Ion Ratio Lower Upper

152 100

115 56.0 40.9 122.7

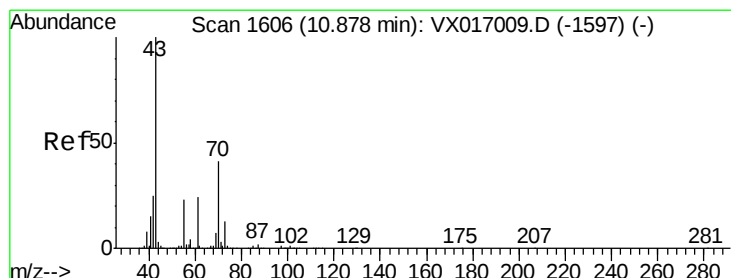
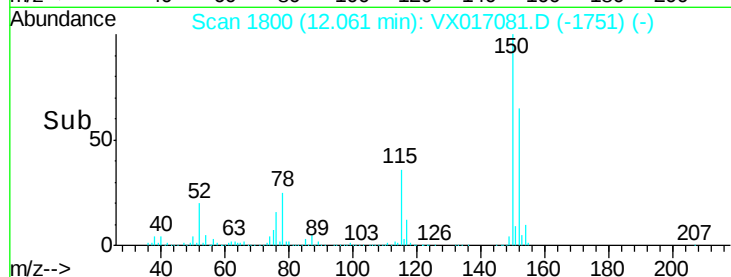
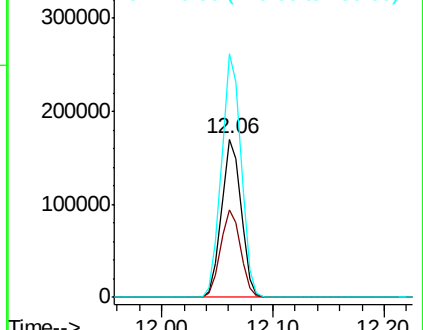
150 153.7 0.0 351.6



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: 0.460 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

Tgt Ion: 43 Resp: 2685

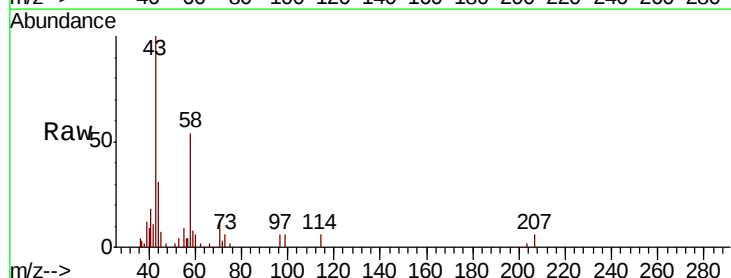
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.2#

55 17.5 19.2 28.8#

61 0.0 19.6 29.4#

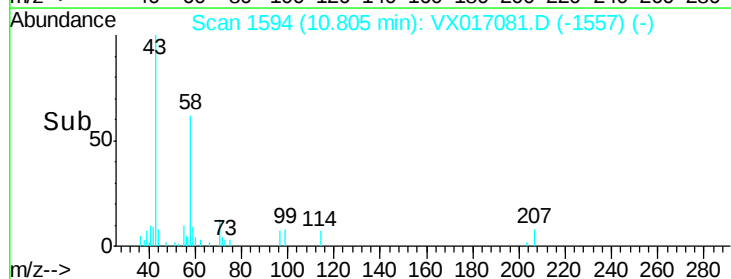
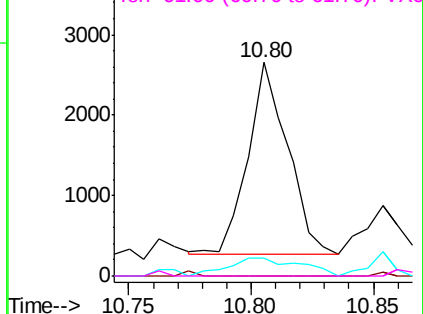


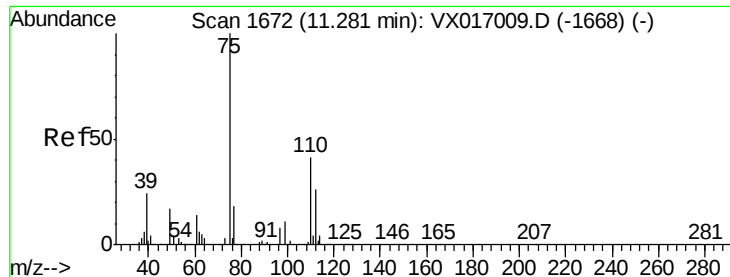
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.867 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017081.D

Acq: 01 Jul 2020 06:03

Instrument :

MSVOA_X

ClientSampleId :

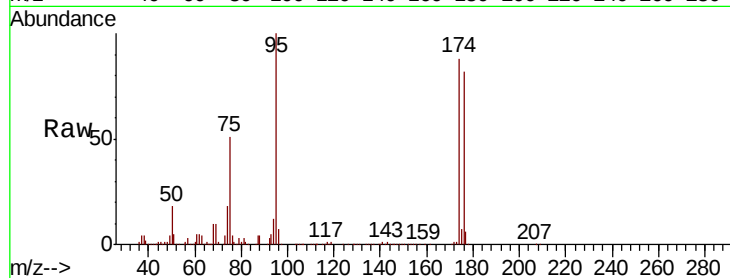
PB129852ZHE#17

Tot Ion: 75 Resp: 97988

Ion Ratio Lower Upper

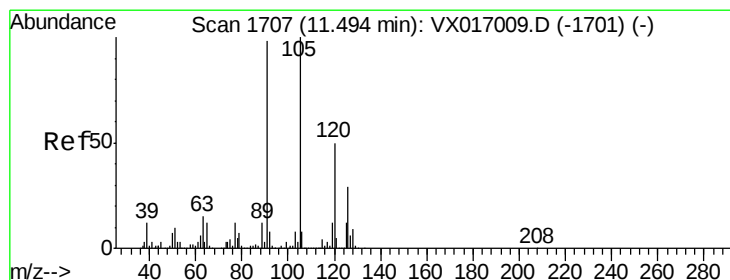
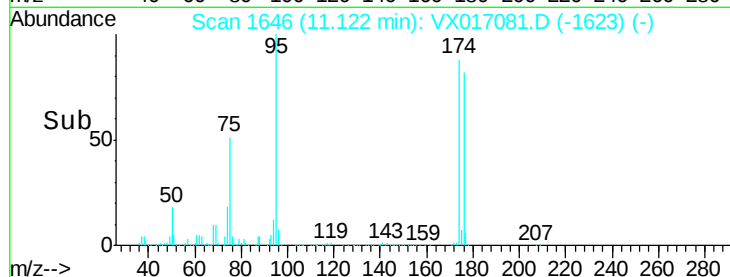
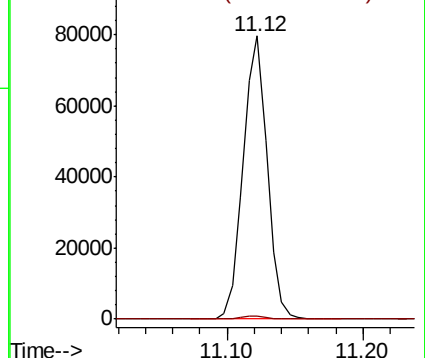
75 100

77 1.3 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: 0.543 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017081.D

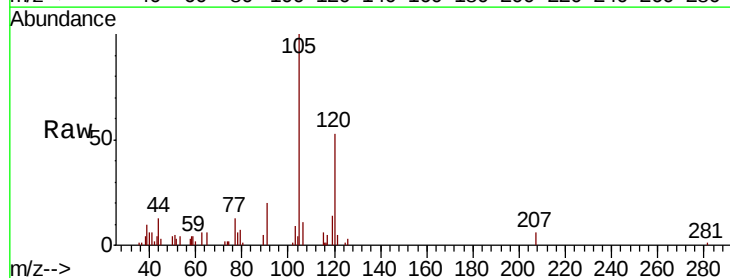
Acq: 01 Jul 2020 06:03

Tgt Ion: 105 Resp: 6164

Ion Ratio Lower Upper

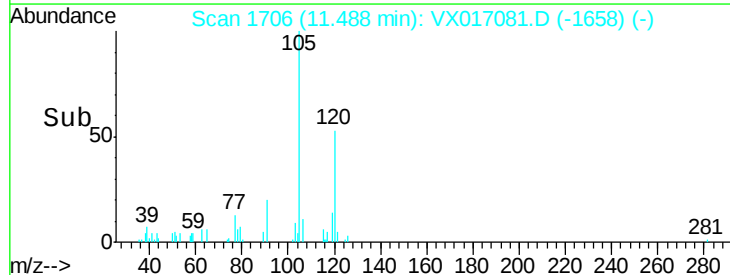
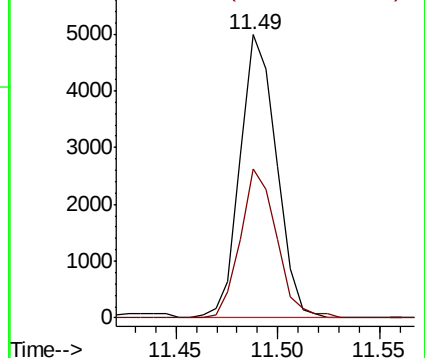
105 100

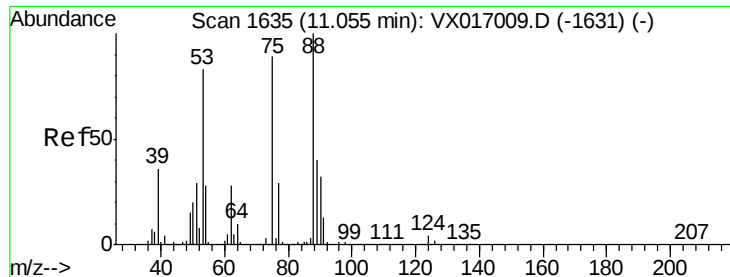
120 52.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

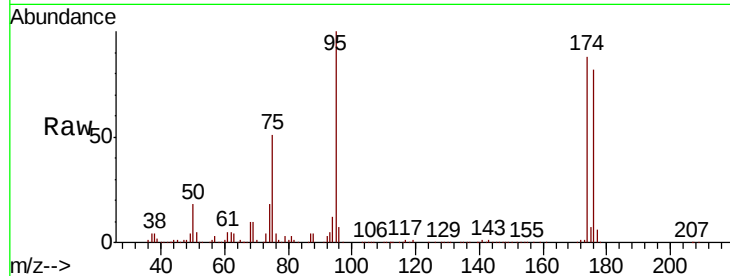




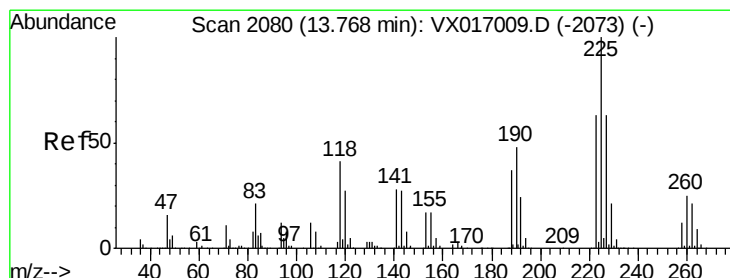
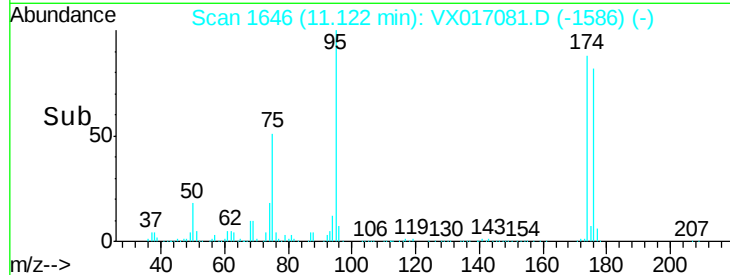
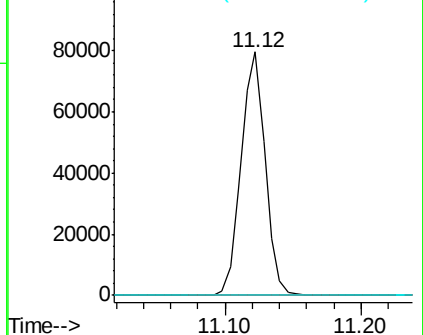
#81
trans-1,4-Dichloro-2-butene
Concen: 61.807 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#17

Tot Ion: 75 Resp: 97988
Ion Ratio Lower Upper
75 100
53 0.2 72.4 108.6#
89 0.0 37.0 55.4#

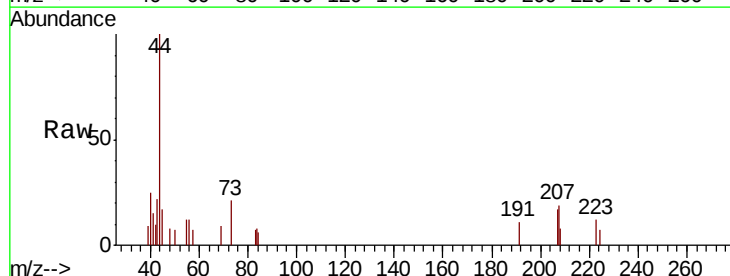


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#94
Hexachlorobutadiene
Concen: 0.869 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX017081.D
Acq: 01 Jul 2020 06:03

Tgt Ion: 225 Resp: 42
Ion Ratio Lower Upper
225 100
223 159.5 32.5 97.5#
227 0.0 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

