

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071620\
 Data File : VX017406.D
 Acq On : 16 Jul 2020 21:01
 Operator : JC/SP
 Sample : L3334-03 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I-LDC-4

Quant Time: Jul 17 01:03:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	246600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	432580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	458275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242622	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	171848	55.52	ug/l	0.00
Spiked Amount						
			Recovery	=	111.04%	
35) Dibromofluoromethane	5.46	113	152003	52.16	ug/l	0.00
Spiked Amount						
			Recovery	=	104.32%	
50) Toluene-d8	8.70	98	538147	51.20	ug/l	0.00
Spiked Amount						
			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.12	95	219596	52.60	ug/l	0.00
Spiked Amount						
			Recovery	=	105.20%	

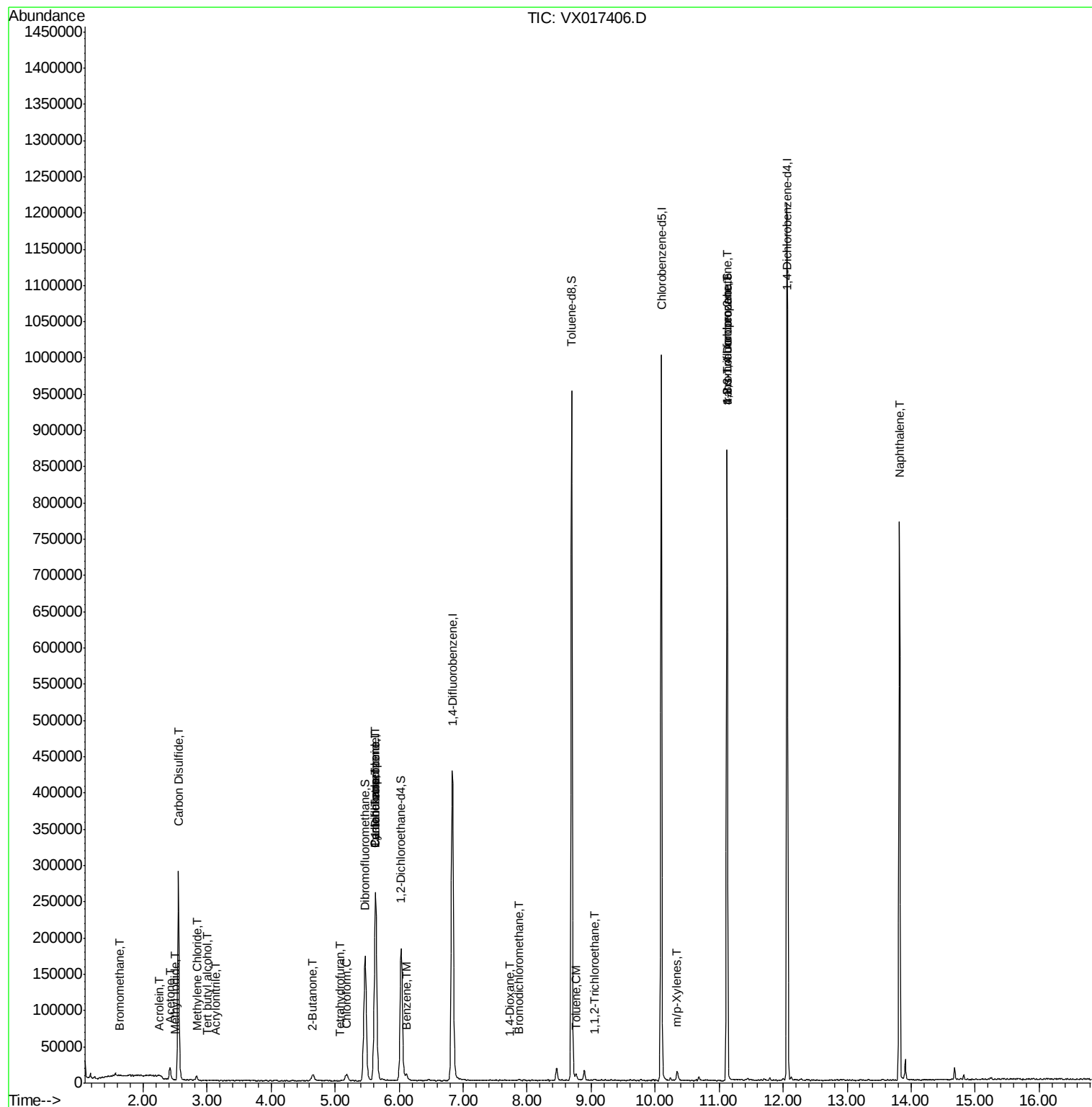
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	854	0.564	ug/l #	62
10) Methyl Iodide	2.50	142	259	2.457	ug/l #	66
11) Tert butyl alcohol	3.01	59	161	0.309	ug/l #	1
13) Acrolein	2.26	56	474	1.658	ug/l #	60
15) Acrylonitrile	3.13	53	323	0.256	ug/l #	36
16) Acetone	2.42	43	16971	15.370	ug/l	99
17) Carbon Disulfide	2.55	76	358632	54.782	ug/l	100
20) Methylene Chloride	2.84	84	2907	1.079	ug/l #	82
25) 2-Butanone	4.65	43	2879	1.642	ug/l #	71
29) Tetrahydrofuran	5.08	42	230	0.203	ug/l #	31
30) Chloroform	5.18	83	11404	2.435	ug/l	88
31) Cyclohexane	5.62	56	5483	1.539	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19084	4.796	ug/l #	50
38) Carbon Tetrachloride	5.63	117	24643	5.290	ug/l #	19
40) Benzene	6.12	78	9686	0.847	ug/l #	89
47) Bromodichloromethane	7.87	83	1100	0.249	ug/l #	64
49) 1,4-Dioxane	7.72	88	23	0.356	ug/l #	1
52) Toluene	8.77	92	2513	0.342	ug/l	91
55) 1,1,2-Trichloroethane	9.06	97	1178	0.385	ug/l #	16
68) m/p-Xylenes	10.34	106	2318	0.393	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	107883	24.064	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	107883	61.044	ug/l #	11
95) Naphthalene	13.82	128	447527	30.110	ug/l	100

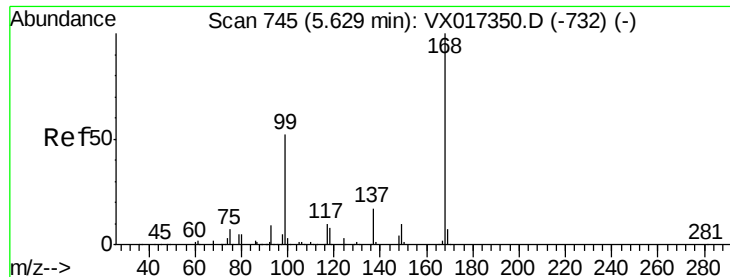
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071620\
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Quant Time: Jul 17 01:03:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

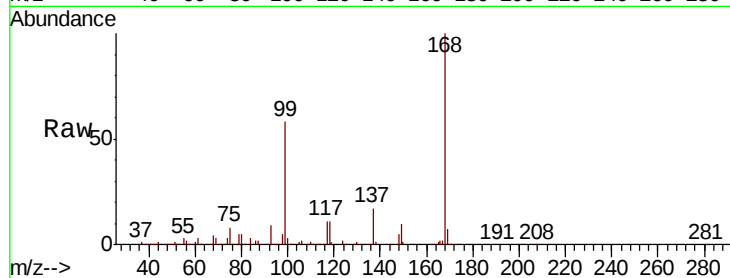
I-LDC-4

Tot Ion:168 Resp: 246600

Ion Ratio Lower Upper

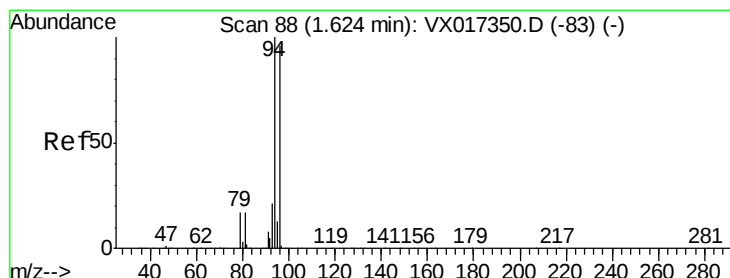
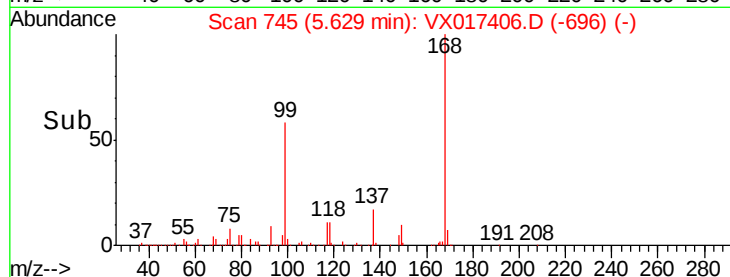
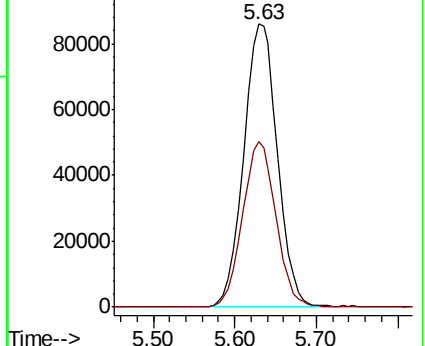
168 100

99 58.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.564 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017406.D

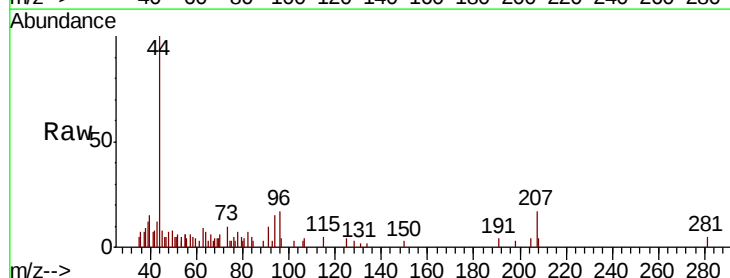
Acq: 16 Jul 2020 21:01

Tgt Ion: 94 Resp: 854

Ion Ratio Lower Upper

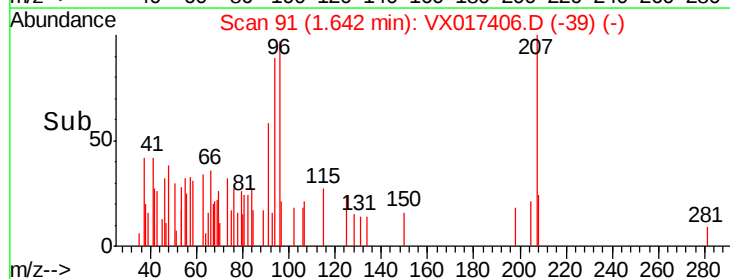
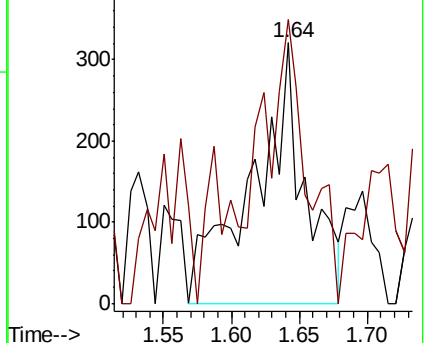
94 100

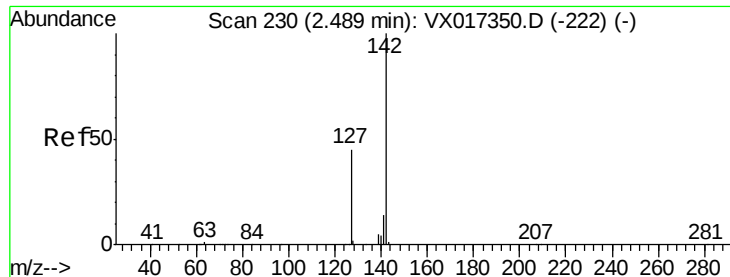
96 132.7 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

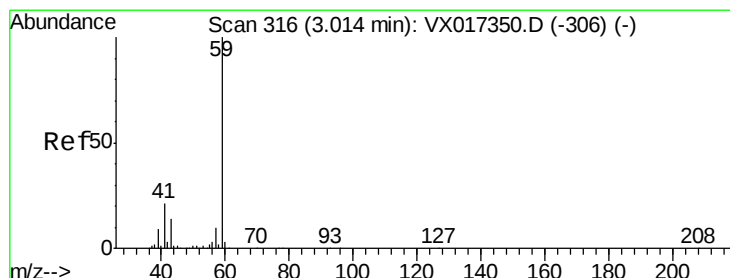
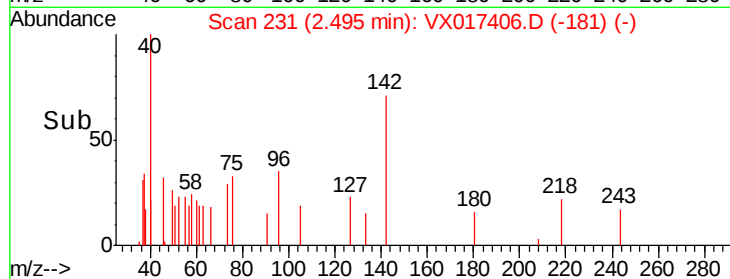
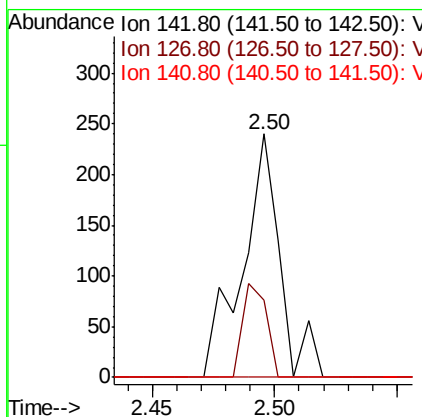
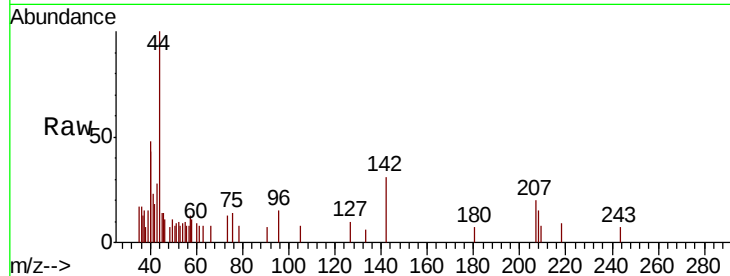




#10
Methyl Iodide
Concen: 2.457 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

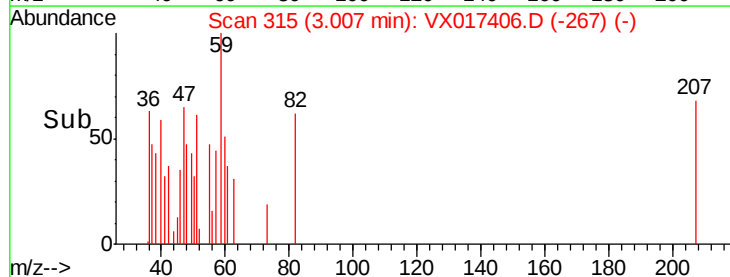
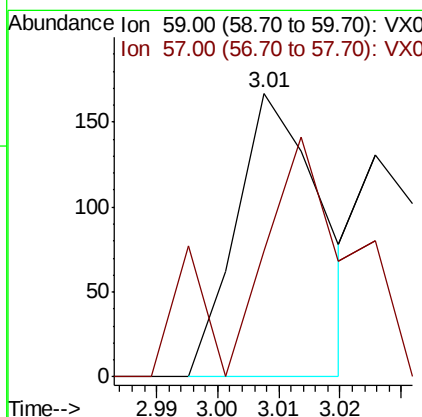
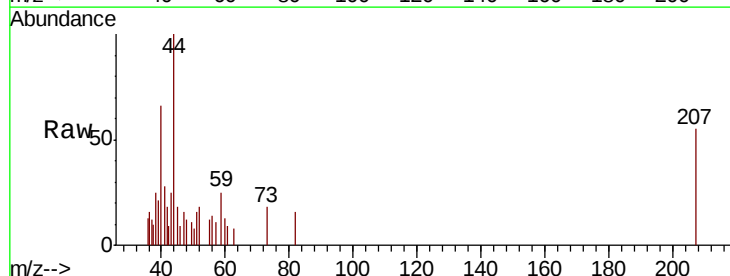
Instrument :
MSVOA_X
ClientSampled :
I-LDC-4

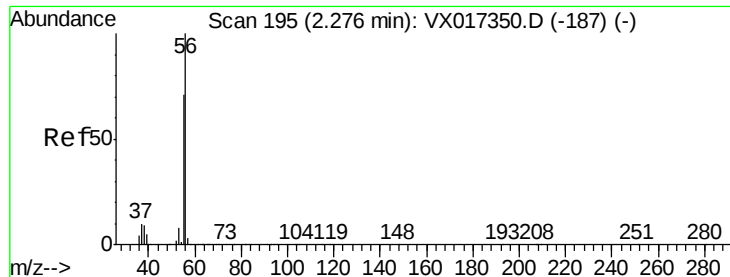
Tot Ion:142 Resp: 259
Ion Ratio Lower Upper
142 100
127 23.9 36.8 55.2#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.309 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 100.0 8.3 12.5#





#13

Acrolein

Concen: 1.658 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.02 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

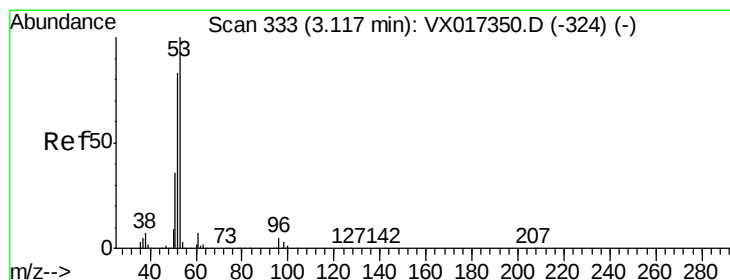
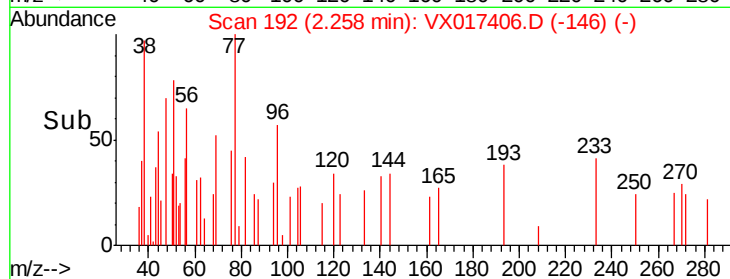
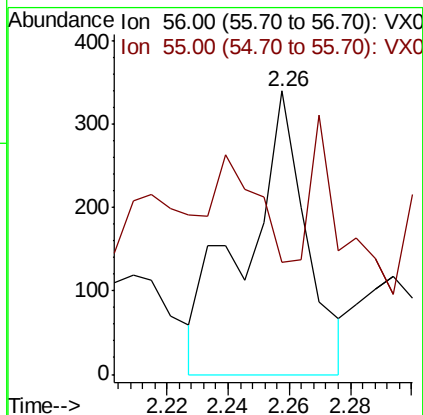
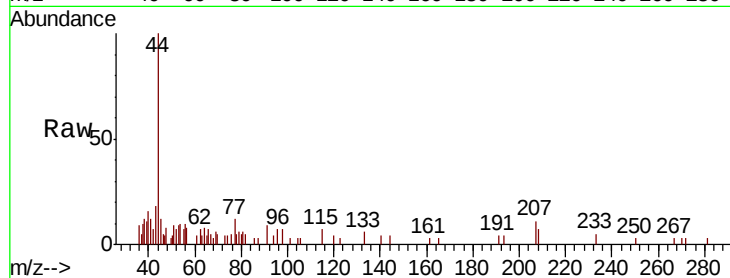
I-LDC-4

Tot Ion: 56 Resp: 474

Ion Ratio Lower Upper

56 100

55 38.2 57.1 85.7#



#15

Acrylonitrile

Concen: 0.256 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

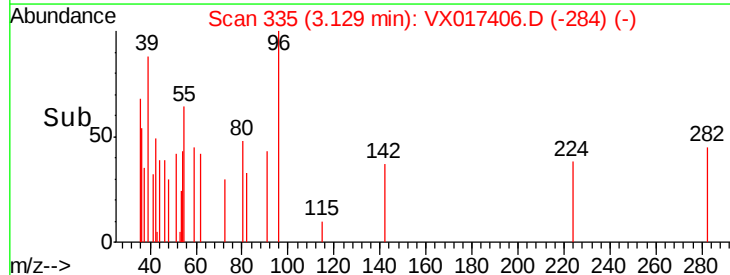
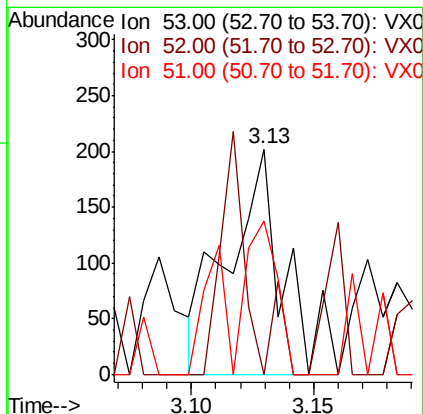
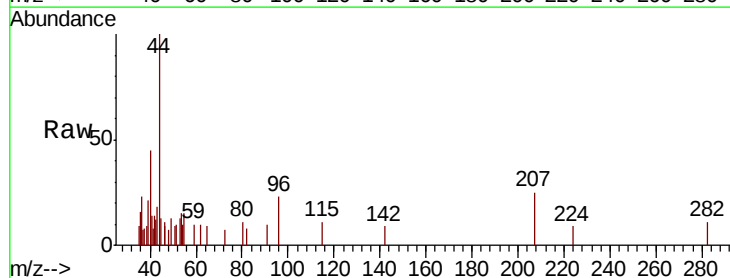
Tgt Ion: 53 Resp: 323

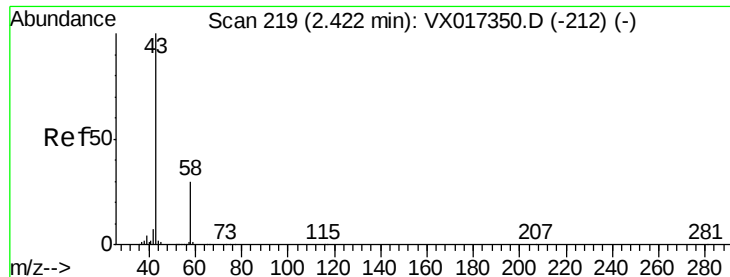
Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

51 38.1 29.2 43.8





#16

Acetone

Concen: 15.370 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampled :

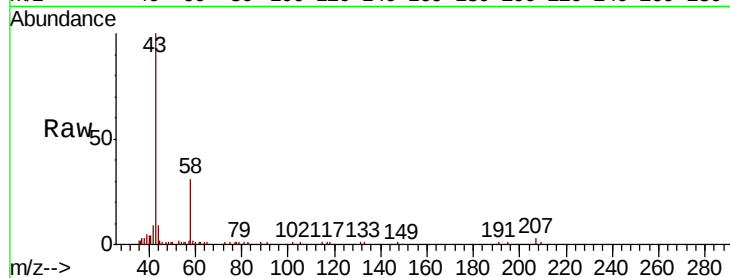
I-LDC-4

Tot Ion: 43 Resp: 16971

Ion Ratio Lower Upper

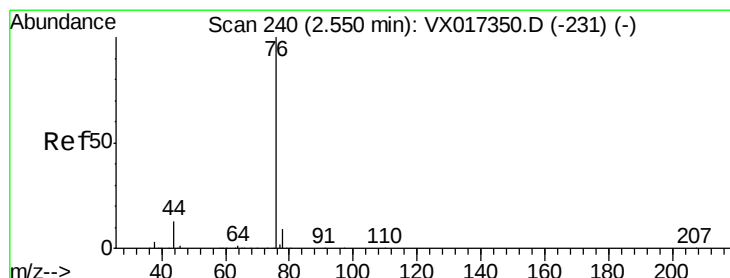
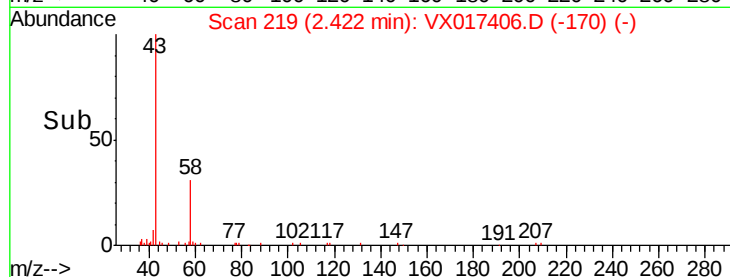
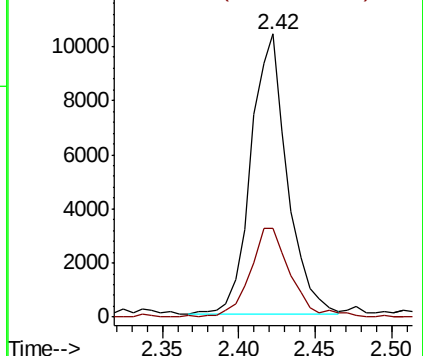
43 100

58 30.7 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 54.782 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017406.D

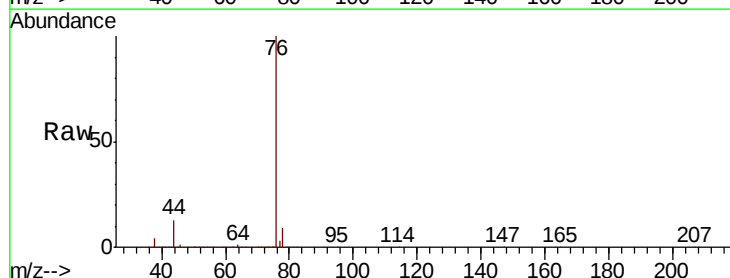
Acq: 16 Jul 2020 21:01

Tgt Ion: 76 Resp: 358632

Ion Ratio Lower Upper

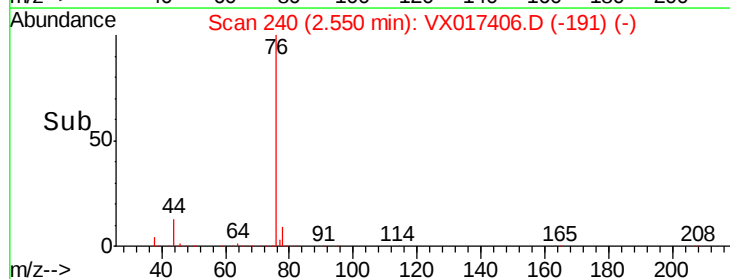
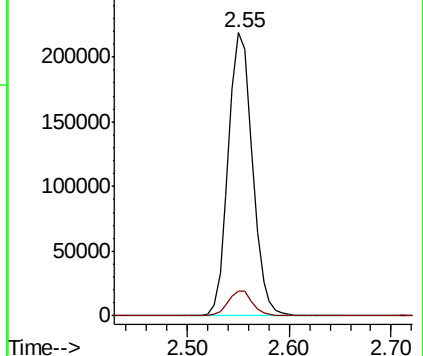
76 100

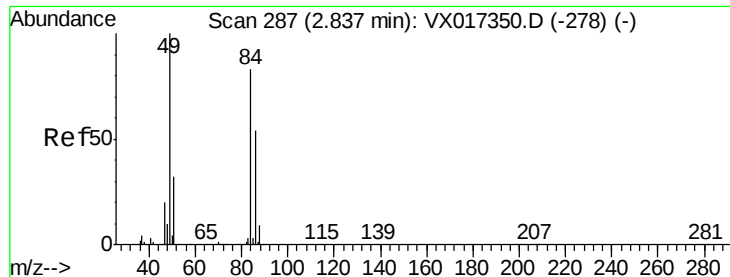
78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

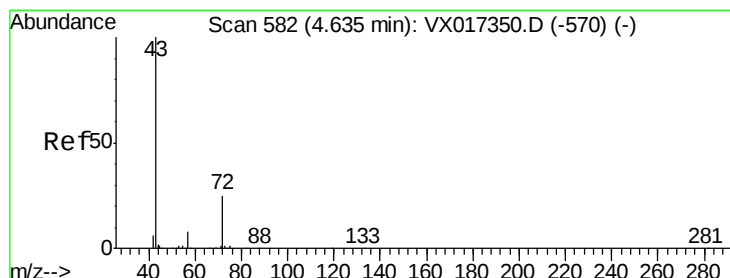
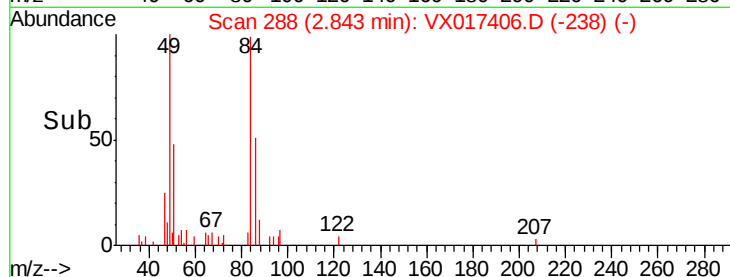
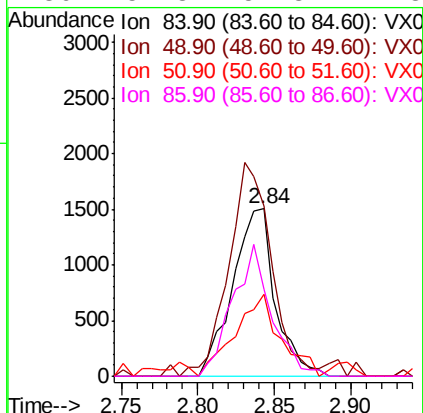
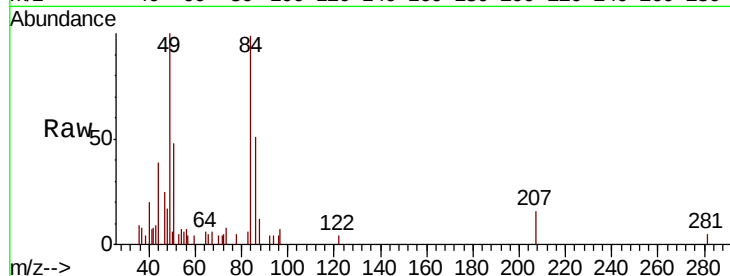




#20
Methvlene Chloride
Concen: 1.079 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

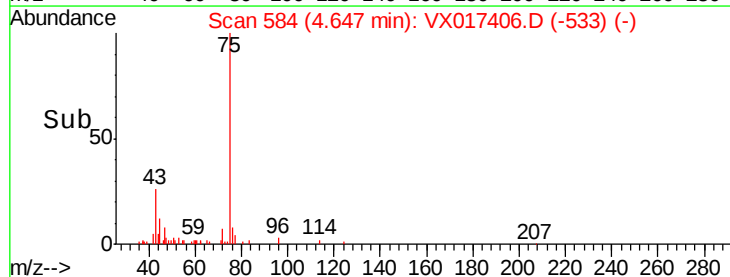
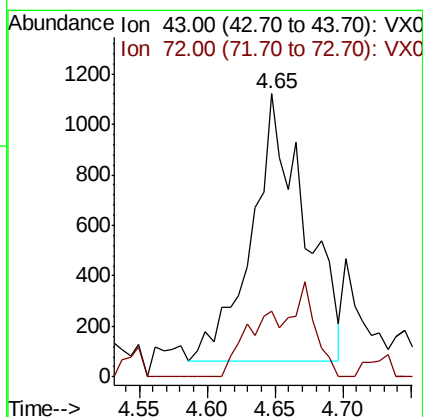
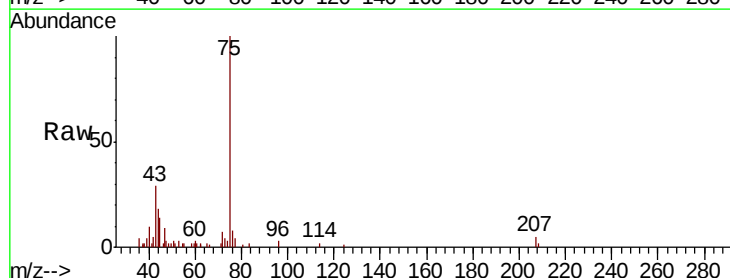
Instrument :
MSVOA_X
ClientSampleId :
I-LDC-4

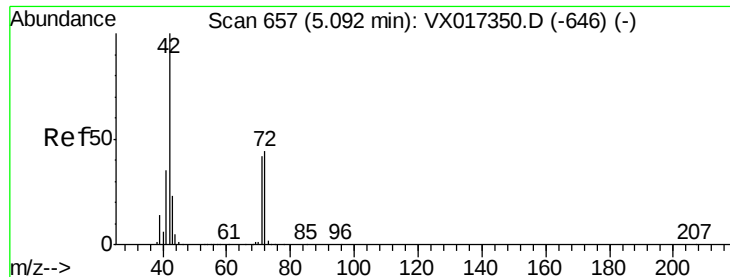
Tot Ion: 84 Resp: 2907
Ion Ratio Lower Upper
84 100
49 95.9 95.8 143.8
51 43.7 31.0 46.4
86 51.8 51.8 77.8#



#25
2-Butanone
Concen: 1.642 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
72 40.1 20.4 30.6#

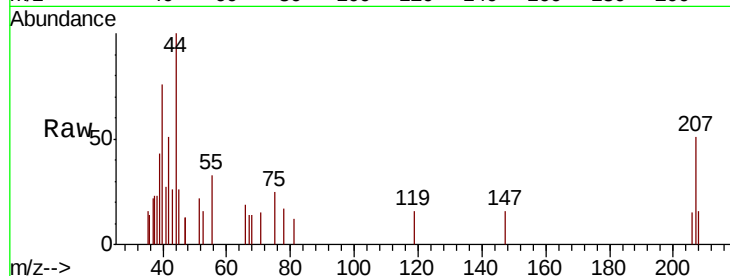




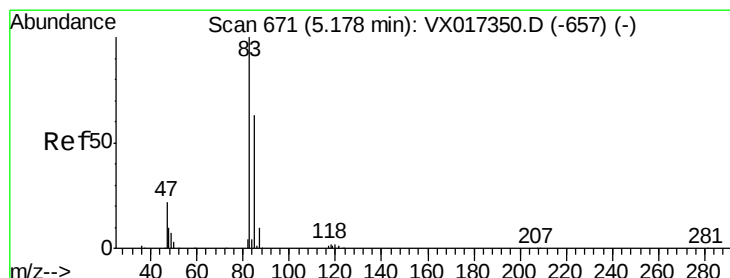
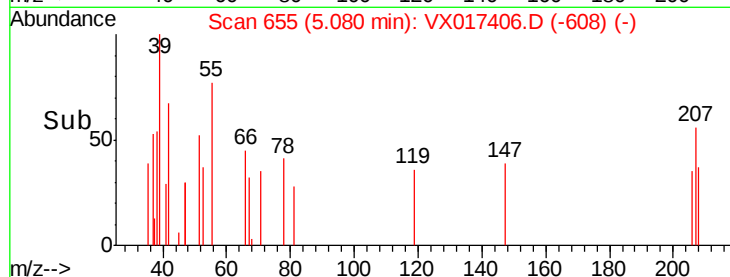
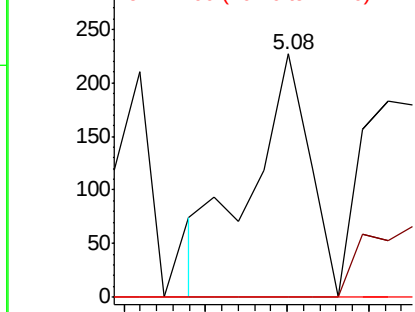
#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

Instrument :
MSVOA_X
ClientSampled :
I-LDC-4

Tot Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 37.2 55.8#
71 0.0 34.4 51.6#

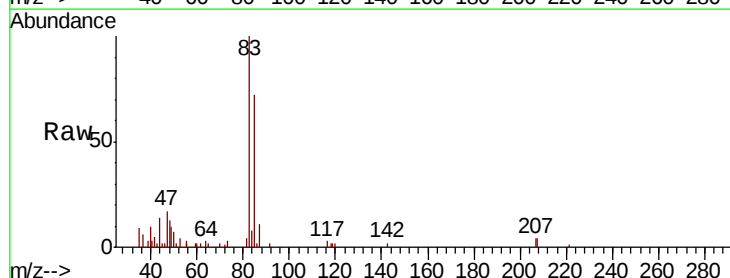


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

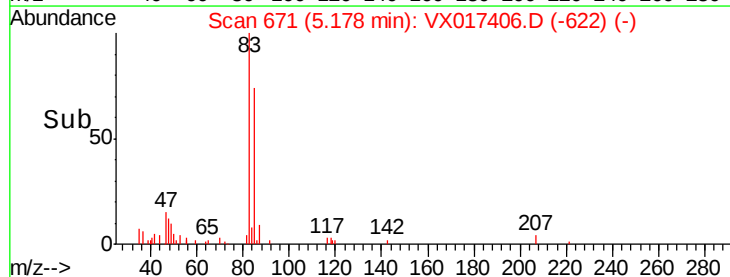
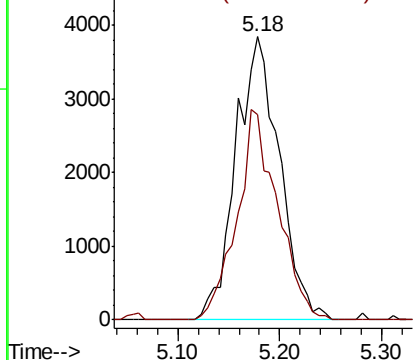


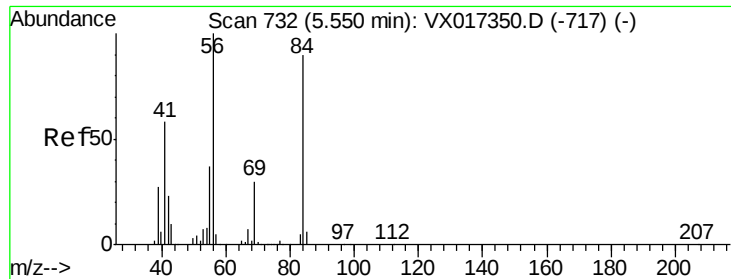
#30
Chloroform
Concen: 2.435 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

Tgt Ion: 83 Resp: 11404
Ion Ratio Lower Upper
83 100
85 72.4 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

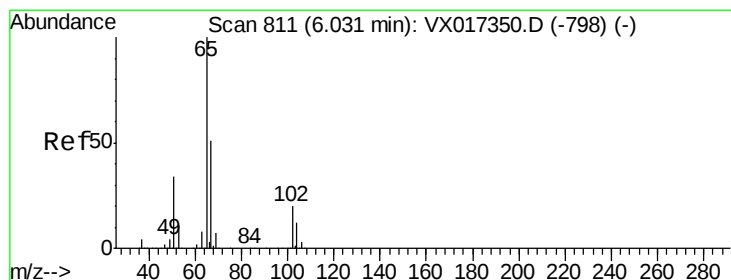
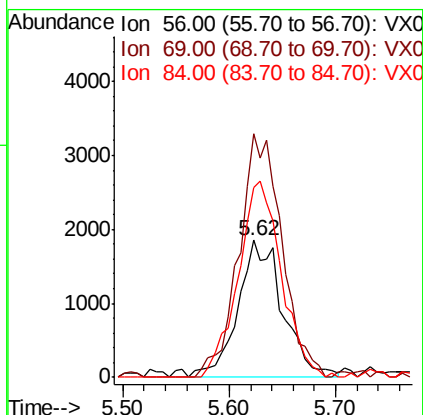
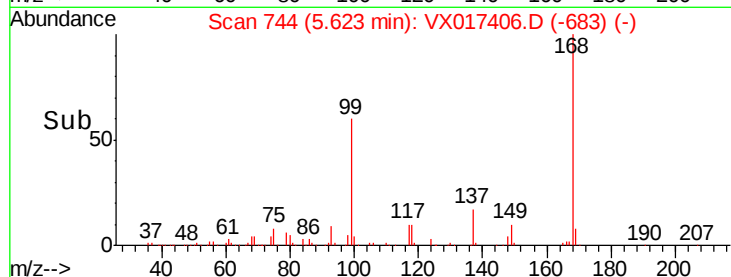
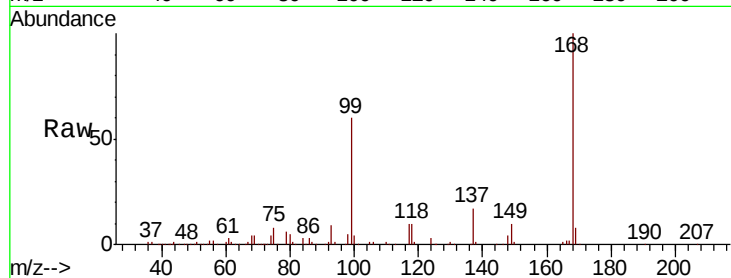




#31
Cyclohexane
Concen: 1.539 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

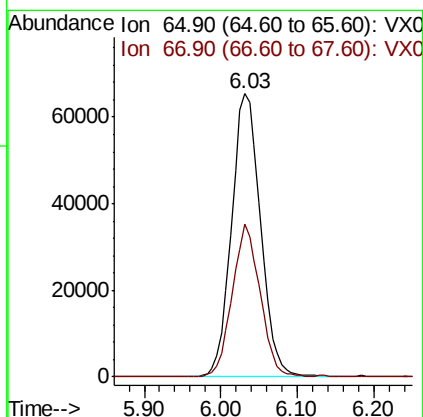
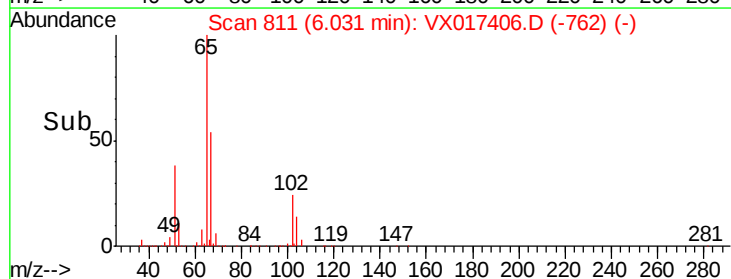
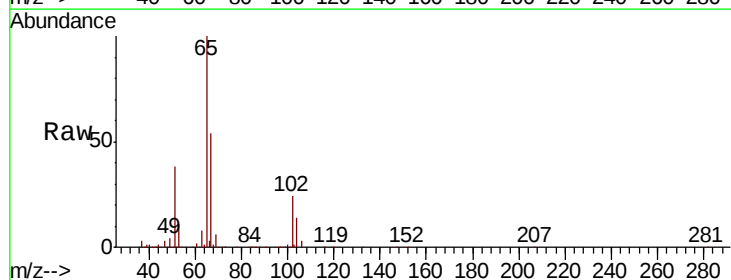
Instrument :
MSVOA_X
ClientSampled :
I-LDC-4

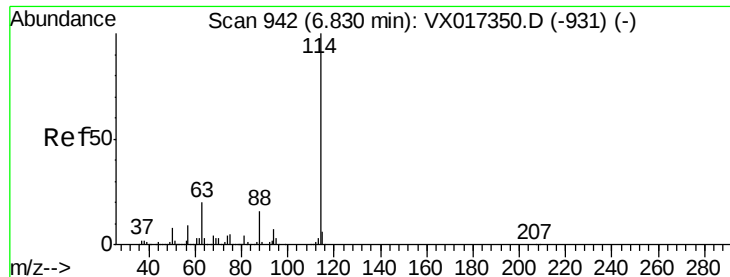
Tot Ion: 56 Resp: 5483
Ion Ratio Lower Upper
56 100
69 177.9 23.7 35.5#
84 138.5 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 55.524 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

Tgt Ion: 65 Resp: 171848
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

I-LDC-4

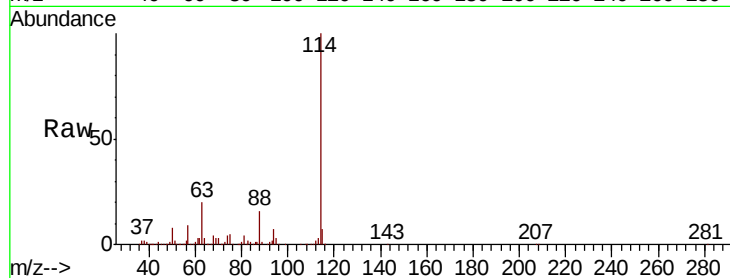
Tot Ion:114 Resp: 432580

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

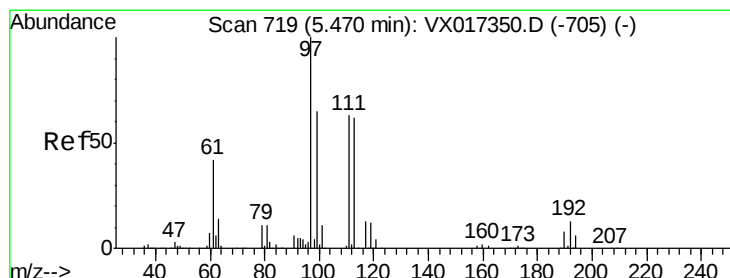
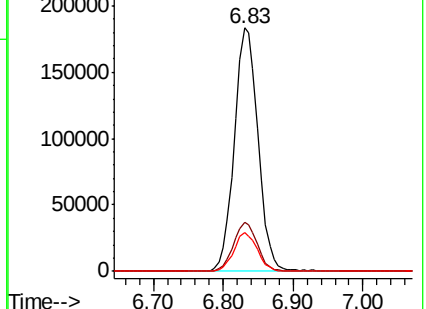
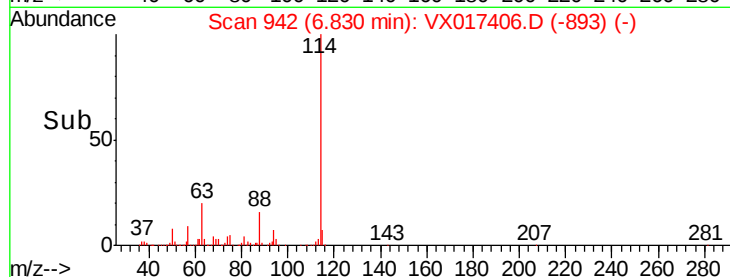
88 15.8 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.164 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

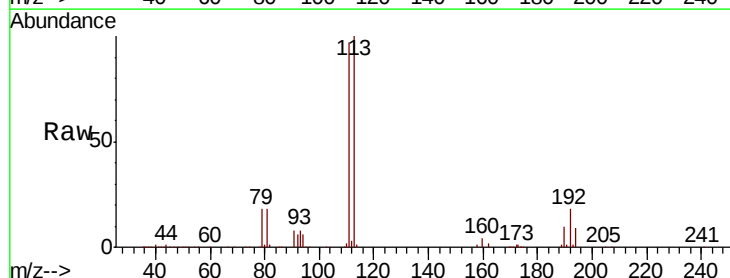
Tgt Ion:113 Resp: 152003

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

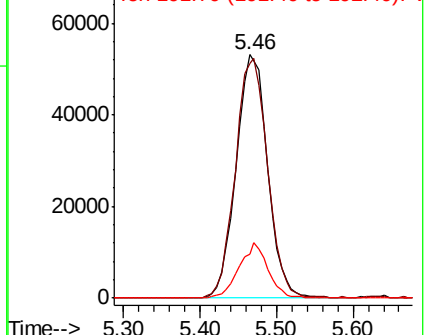
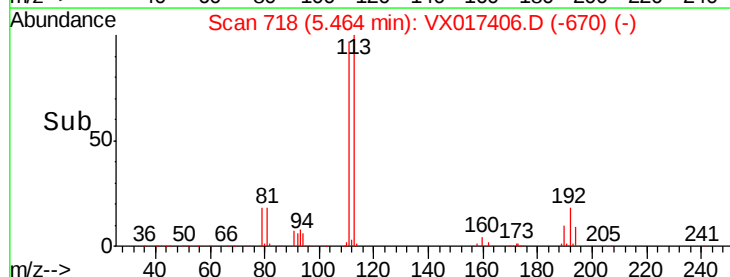
192 20.8 17.2 25.8

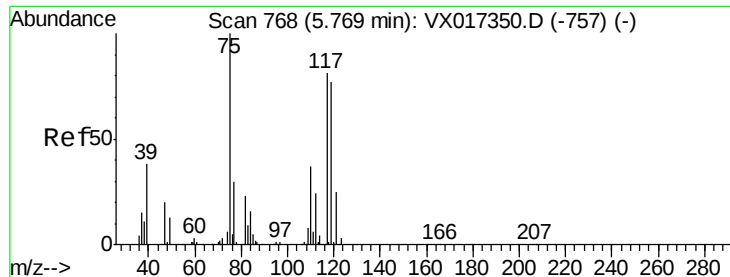


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

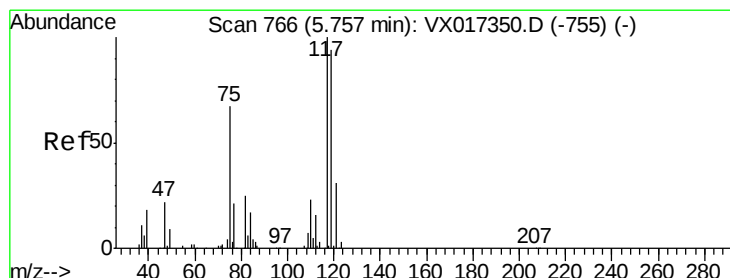
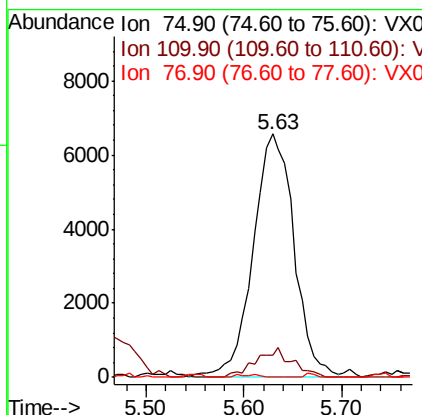
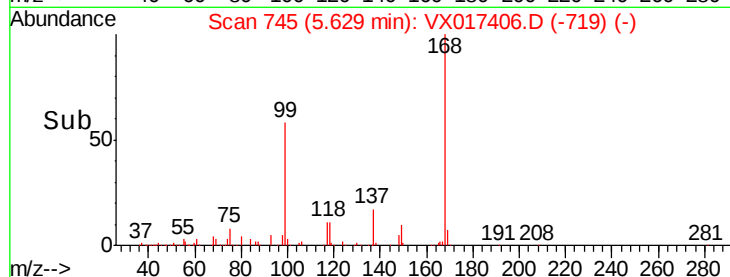
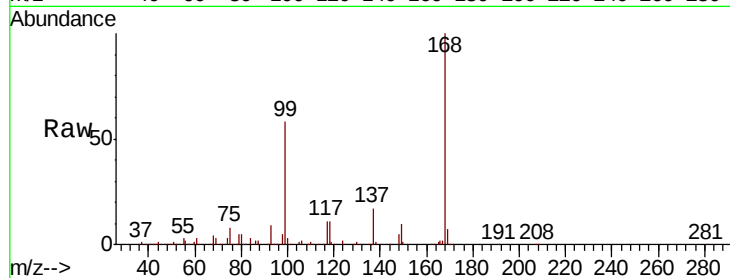




#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017406.D
 Acq: 16 Jul 2020 21:01

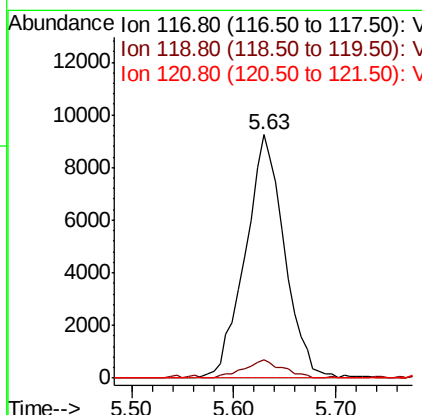
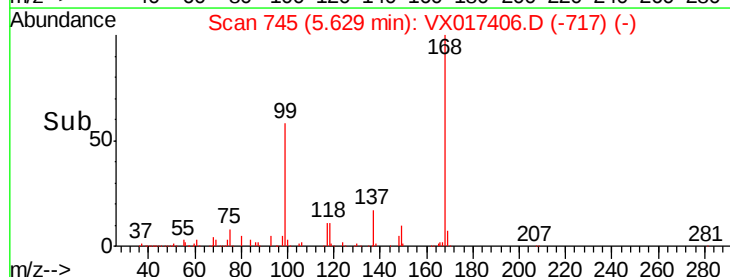
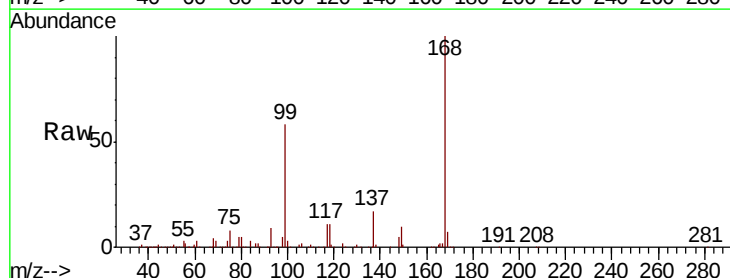
Instrument :
 MSVOA_X
 ClientSampleId :
 I-LDC-4

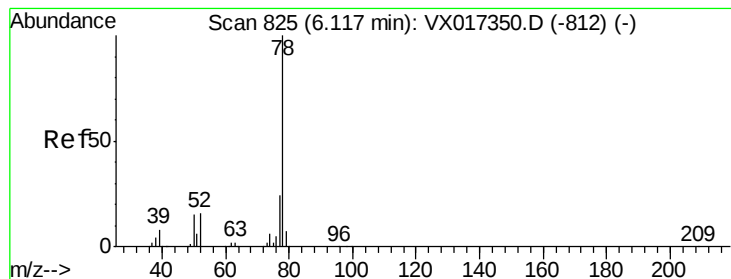
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.6	55.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.290 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017406.D
 Acq: 16 Jul 2020 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	74.7	112.1#
121	0.0	24.5	36.7#





#40

Benzene

Concen: 0.847 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

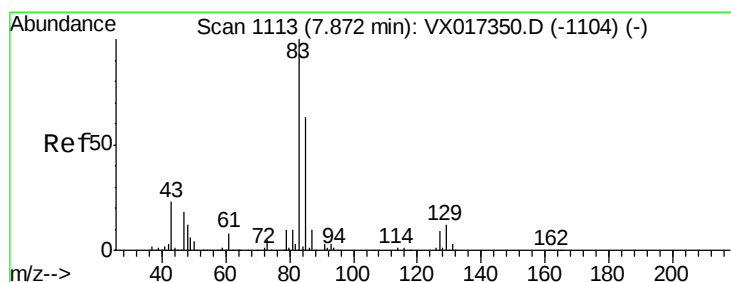
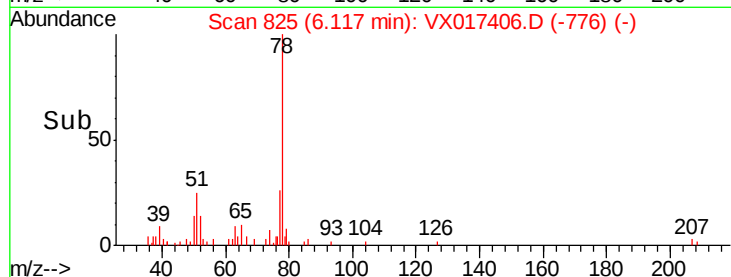
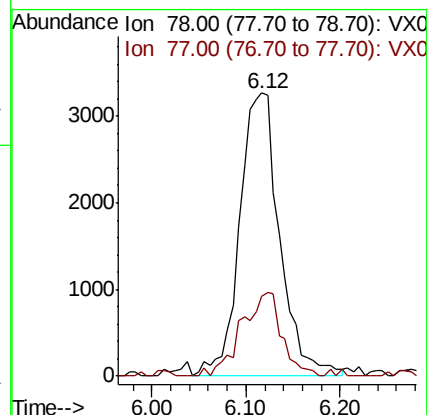
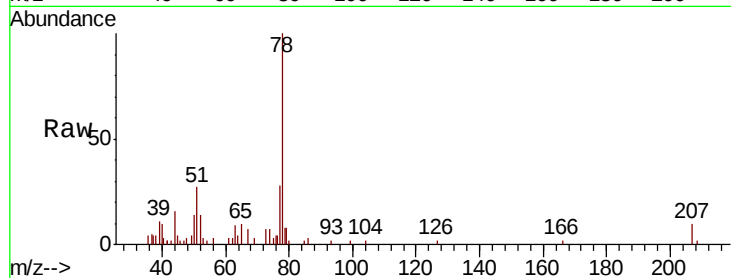
I-LDC-4

Tot Ion: 78 Resp: 9686

Ion Ratio Lower Upper

78 100

77 29.0 18.9 28.3#



#47

Bromodichloromethane

Concen: 0.249 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

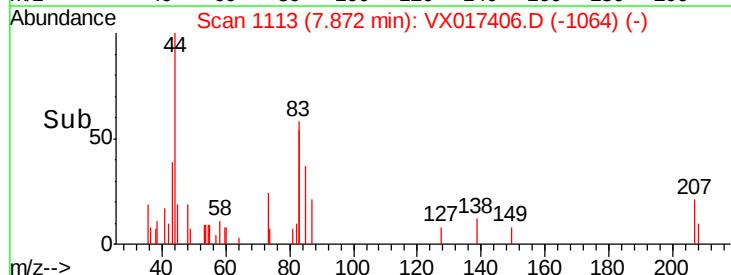
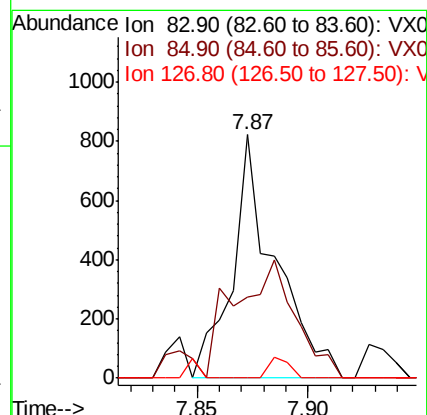
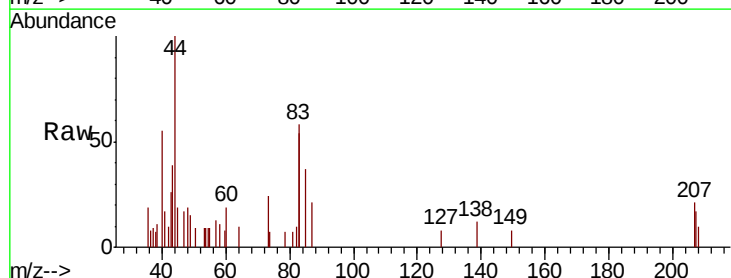
Tgt Ion: 83 Resp: 1100

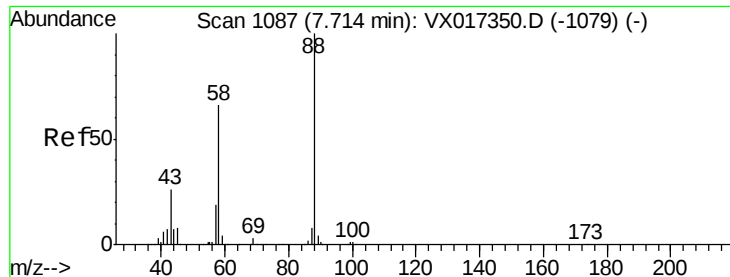
Ion Ratio Lower Upper

83 100

85 33.4 50.2 75.4#

127 0.0 7.1 10.7#

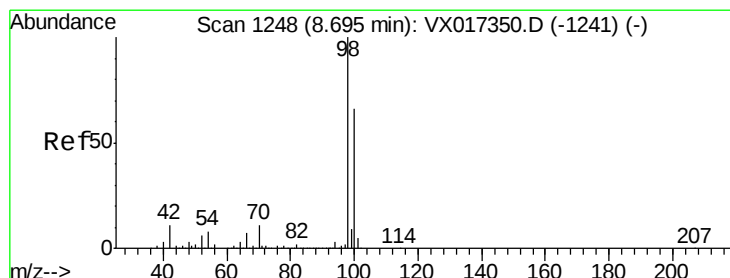
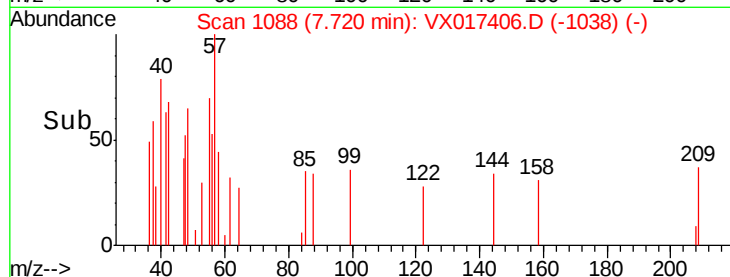
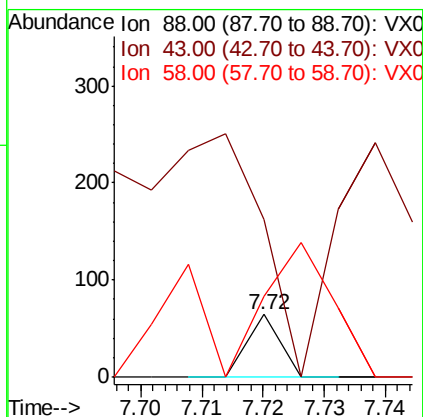
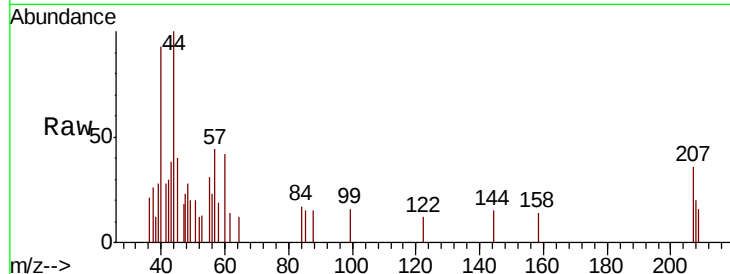




#49
1,4-Dioxane
Concen: 0.356 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

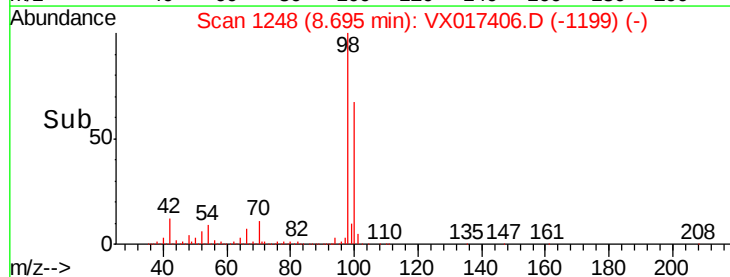
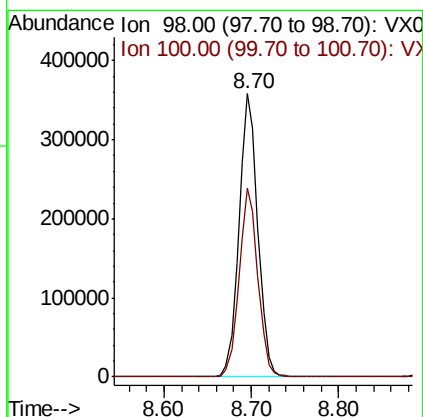
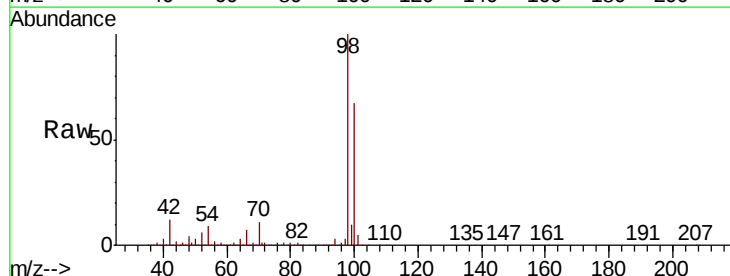
Instrument :
MSVOA_X
ClientSampleId :
I-LDC-4

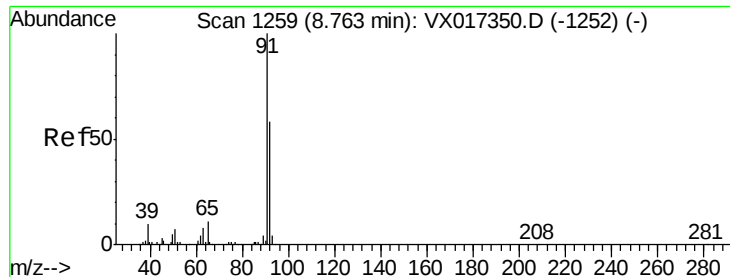
Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1169.6 25.6 38.4#
58 465.2 53.9 80.9#



#50
Toluene-d8
Concen: 51.199 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017406.D
Acq: 16 Jul 2020 21:01

Tgt Ion: 98 Resp: 538147
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.2





#52

Toluene

Concen: 0.342 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

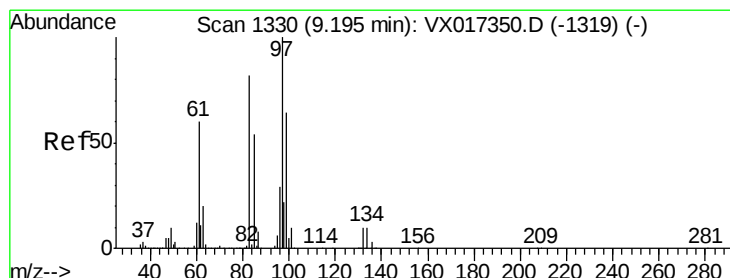
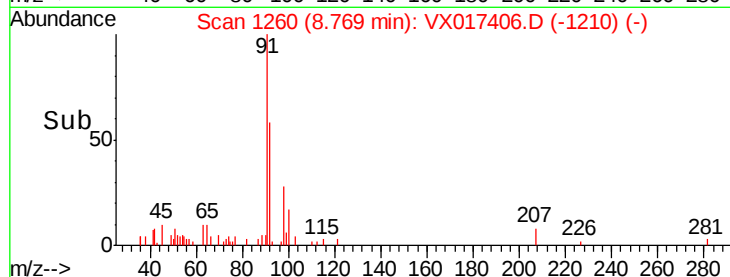
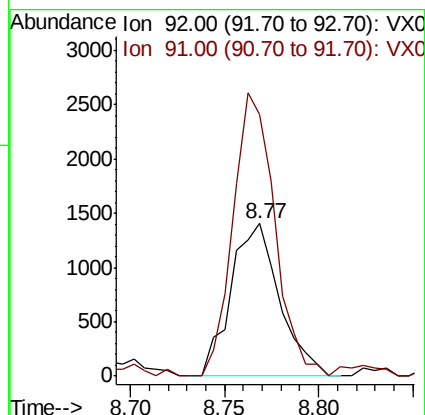
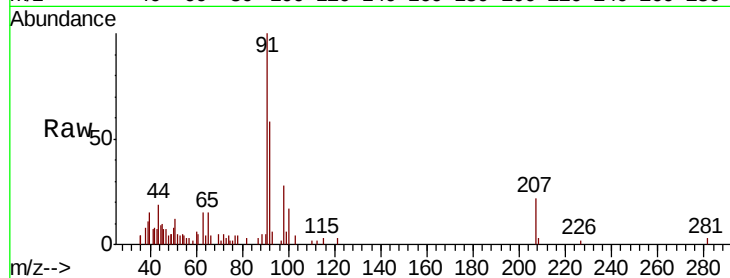
I-LDC-4

Tot Ion: 92 Resp: 2513

Ion Ratio Lower Upper

92 100

91 159.1 136.7 205.1



#55

1,1,2-Trichloroethane

Concen: 0.385 ug/l

RT: 9.06 min Scan# 1307

Delta R.T. -0.14 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Tgt Ion: 97 Resp: 1178

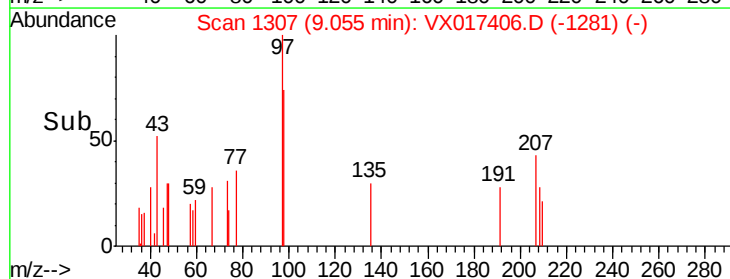
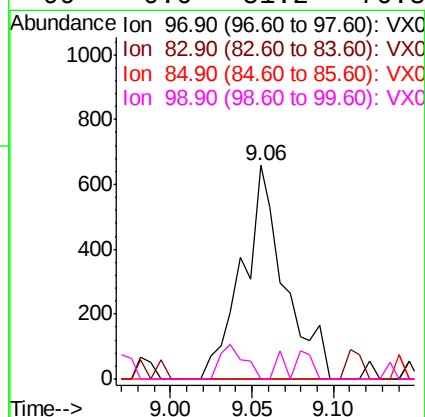
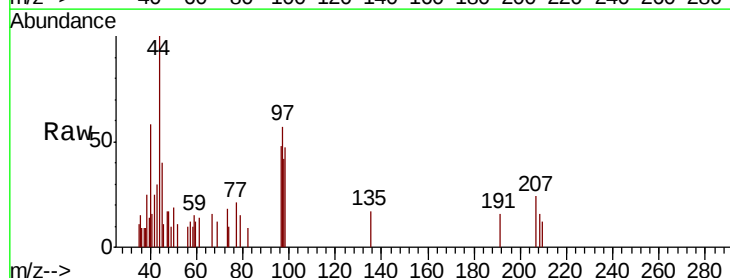
Ion Ratio Lower Upper

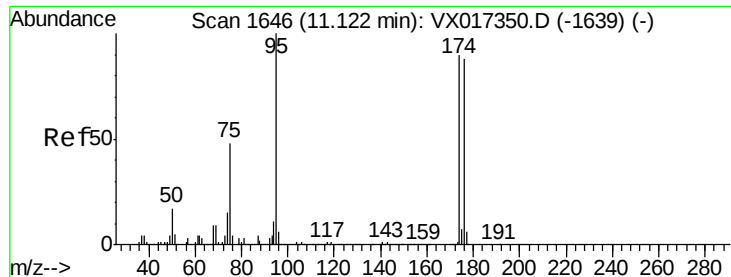
97 100

83 0.0 65.8 98.6#

85 0.0 42.8 64.2#

99 0.0 51.2 76.8#





#62

4-Bromofluorobenzene

Concen: 52.596 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

I-LDC-4

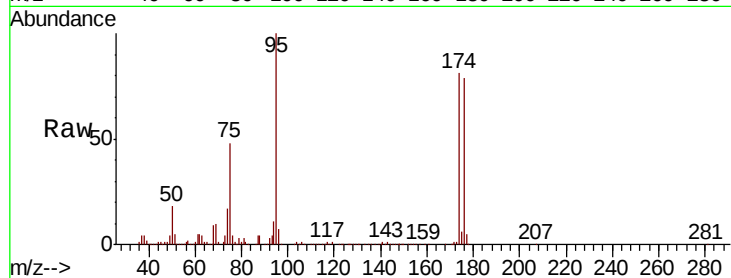
Tot Ion: 95 Resp: 219596

Ion Ratio Lower Upper

95 100

174 82.4 0.0 175.8

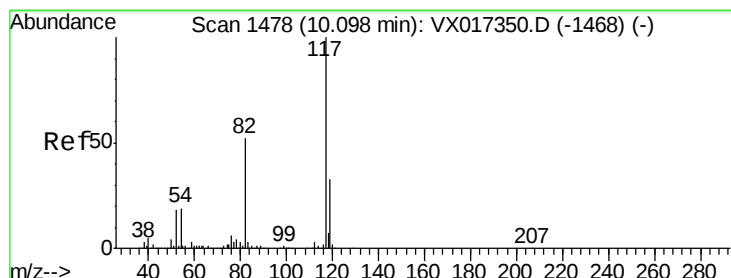
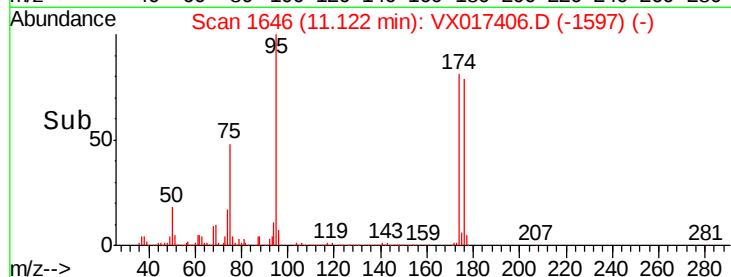
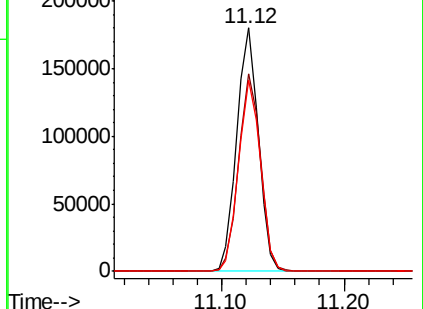
176 79.8 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX017350.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017350.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017350.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

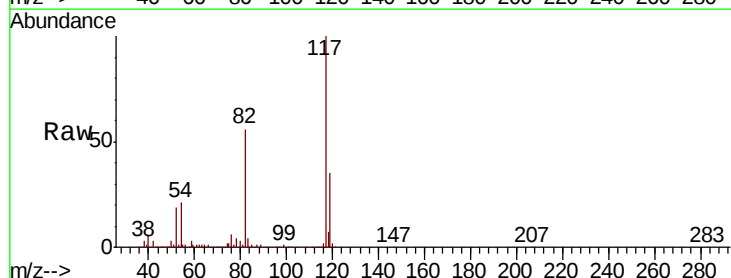
Tgt Ion: 117 Resp: 458275

Ion Ratio Lower Upper

117 100

82 56.2 42.0 63.0

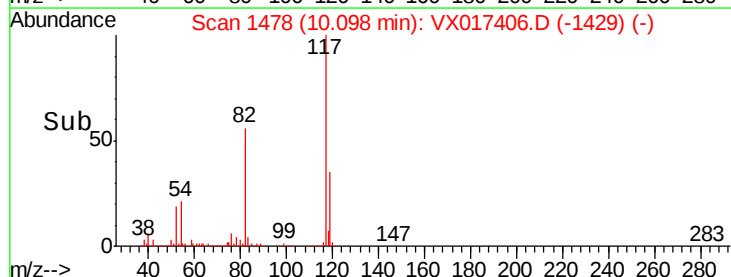
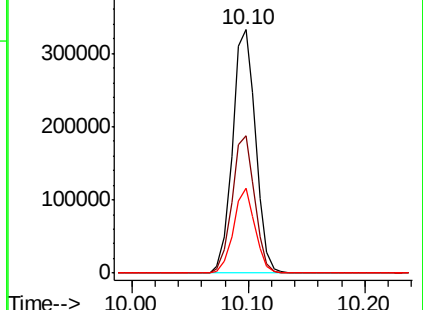
119 35.0 26.3 39.5

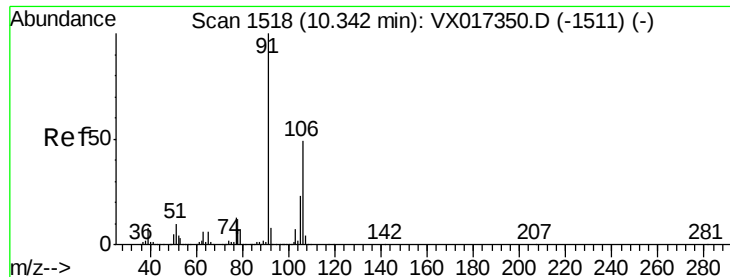


Abundance Ion 116.90 (116.60 to 117.60): VX017350.D (-1468) (-)

Ion 82.00 (81.70 to 82.70): VX017350.D (-1468) (-)

Ion 118.90 (118.60 to 119.60): VX017350.D (-1468) (-)





#68

m/p-Xvlenes

Concen: 0.393 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

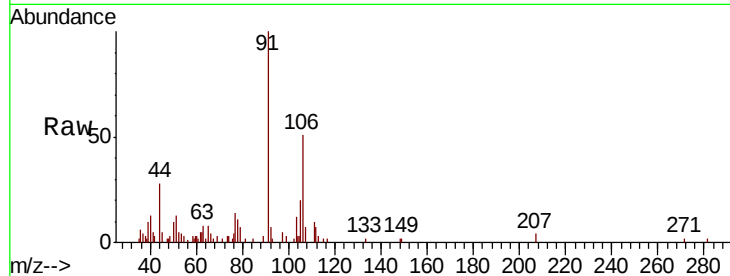
I-LDC-4

Tot Ion:106 Resp: 2318

Ion Ratio Lower Upper

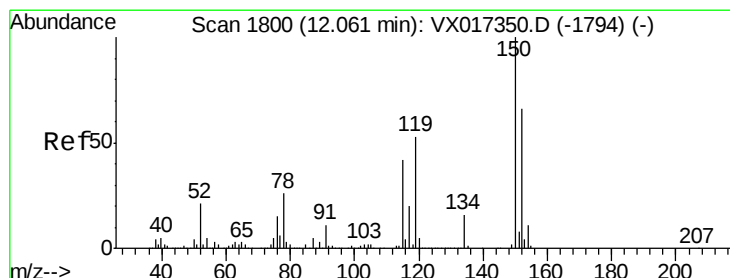
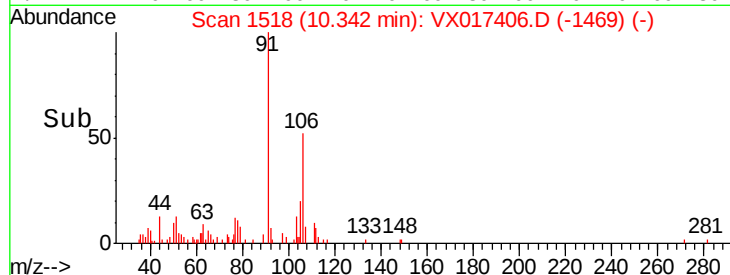
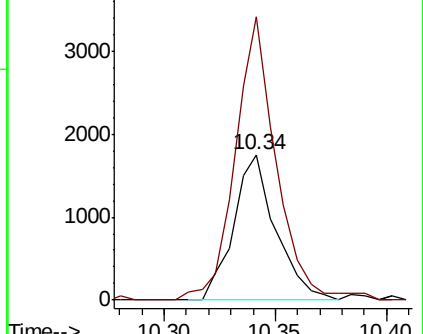
106 100

91 189.0 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

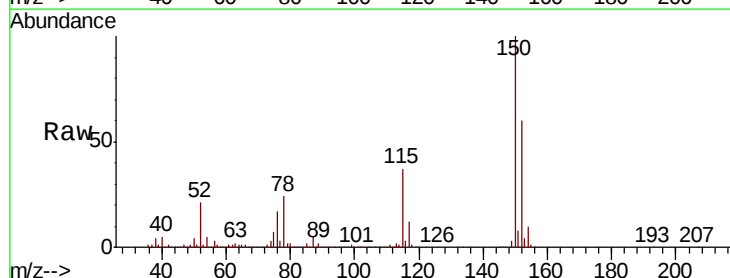
Tgt Ion:152 Resp: 242622

Ion Ratio Lower Upper

152 100

115 58.9 39.9 119.7

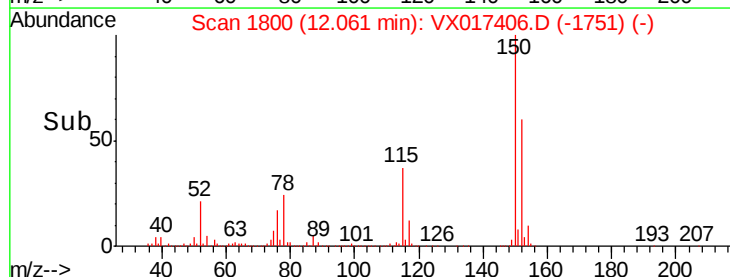
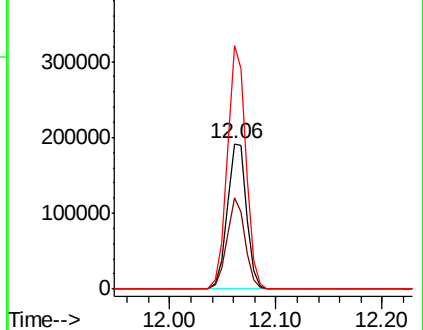
150 161.9 0.0 343.4

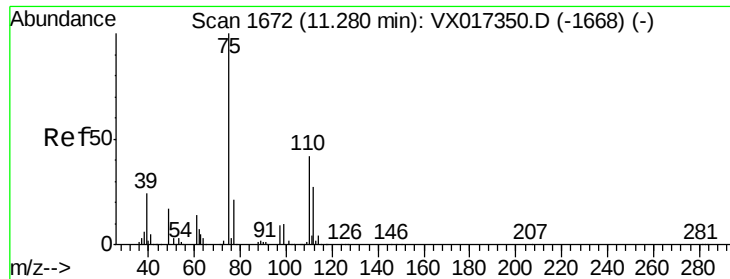


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.064 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

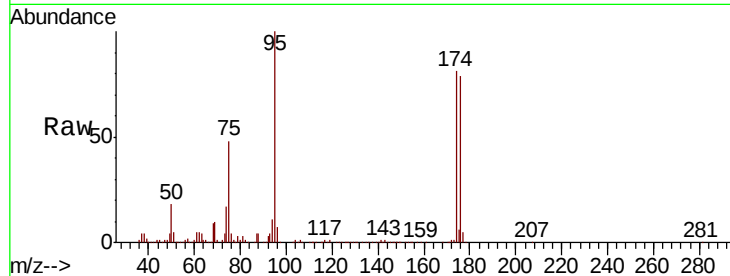
I-LDC-4

Tot Ion: 75 Resp: 107883

Ion Ratio Lower Upper

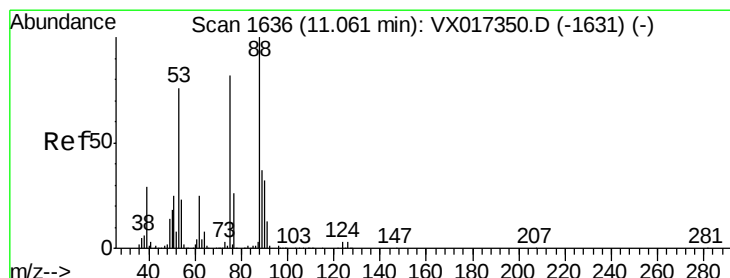
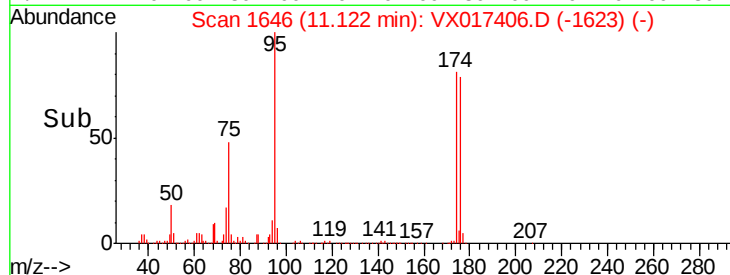
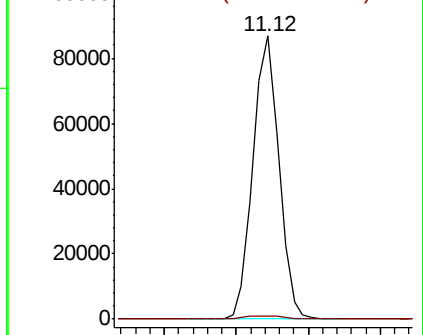
75 100

77 1.6 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 61.044 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

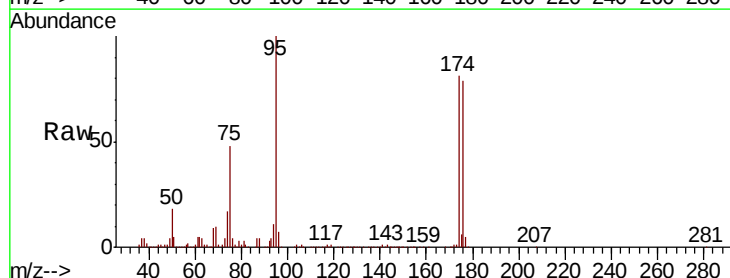
Tgt Ion: 75 Resp: 107883

Ion Ratio Lower Upper

75 100

53 0.4 76.5 114.7#

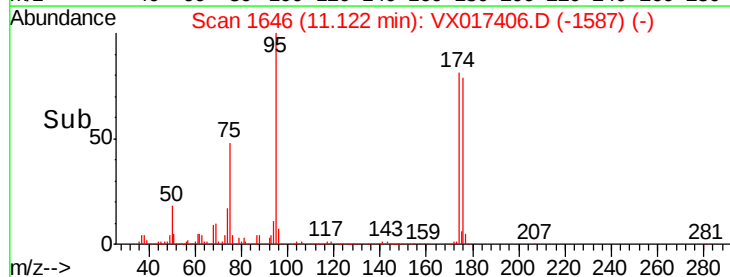
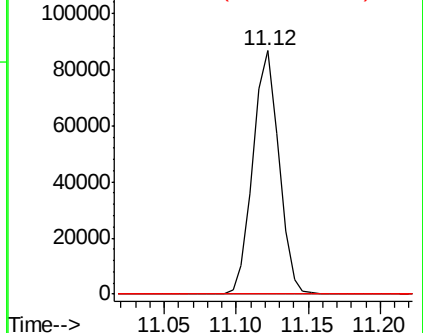
89 0.1 38.1 57.1#

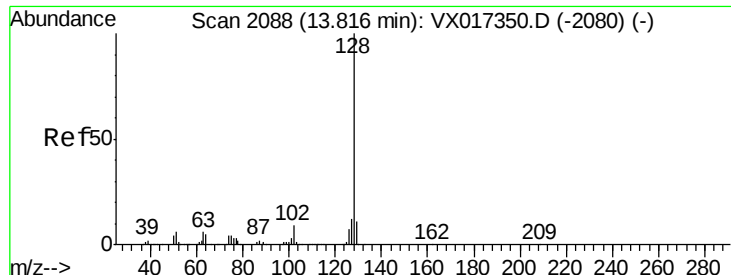


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 30.110 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017406.D

Acq: 16 Jul 2020 21:01

Instrument :

MSVOA_X

ClientSampleId :

I-LDC-4

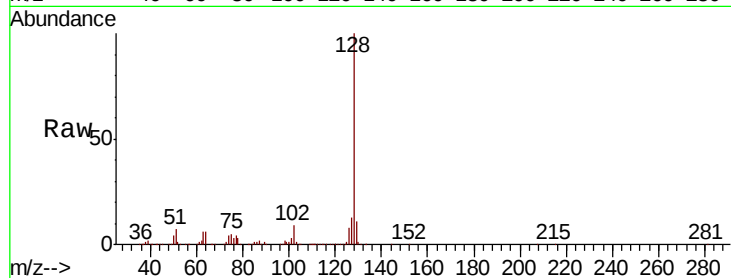
Tot Ion:128 Resp: 447527

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.2 8.9 13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

