

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071720\
 Data File : VX017422.D
 Acq On : 17 Jul 2020 16:11
 Operator : JC/SP
 Sample : L3321-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200715084-02-VOADL

Quant Time: Jul 20 01:07:15 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	247566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	422068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	169852	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
35) Dibromofluoromethane	5.47	113	146742	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	8.70	98	531572	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	11.12	95	226592	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	

Target Compounds

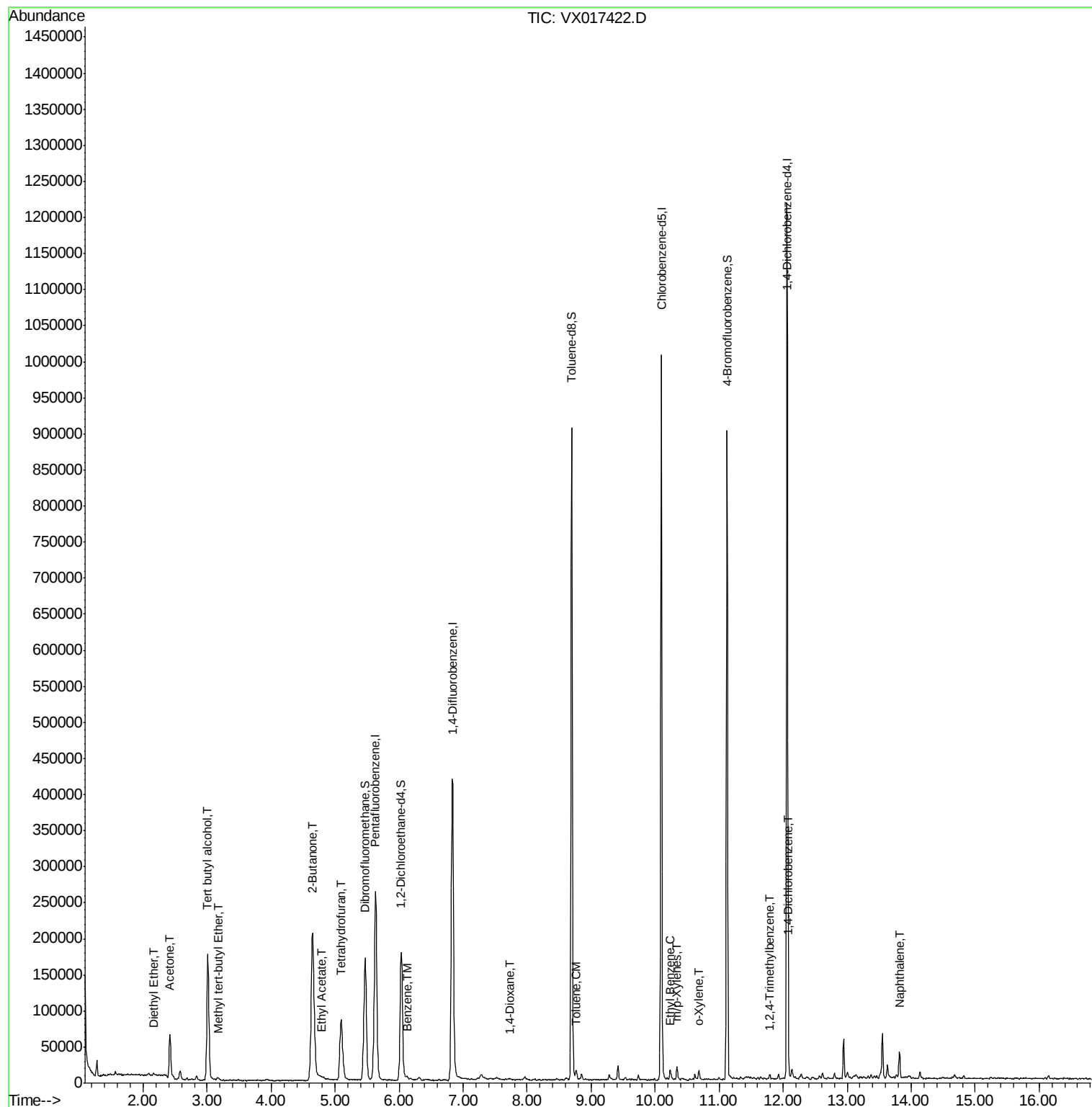
					Qvalue
8) Diethyl Ether	2.17	74	1827	1.313	ug/l 55
11) Tert butyl alcohol	3.01	59	212545	406.008	ug/l 100
16) Acetone	2.42	43	63002	56.835	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	3402	0.445	ug/l # 87
25) 2-Butanone	4.64	43	144565	82.110	ug/l 99
29) Tetrahydrofuran	5.09	42	66257	58.136	ug/l 96
37) Ethyl Acetate	4.80	43	5258m	1.310	ug/l
40) Benzene	6.12	78	5245	0.470	ug/l 97
49) 1,4-Dioxane	7.72	88	728m	11.555	ug/l
52) Toluene	8.77	92	3306	0.462	ug/l 99
67) Ethyl Benzene	10.24	91	6823	0.441	ug/l # 84
68) m/p-Xylenes	10.34	106	4176	0.710	ug/l 100
69) o-Xylene	10.68	106	2374	0.422	ug/l 98
84) 1,2,4-Trimethylbenzene	11.79	105	3008	0.235	ug/l 99
88) 1,4-Dichlorobenzene	12.09	146	3031	0.395	ug/l # 51
95) Naphthalene	13.82	128	21047	1.445	ug/l 98

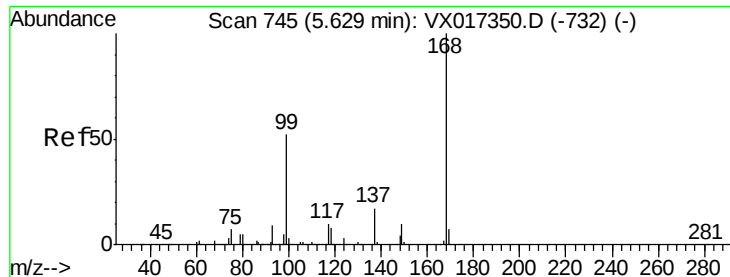
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017422.D

Acq: 17 Jul 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

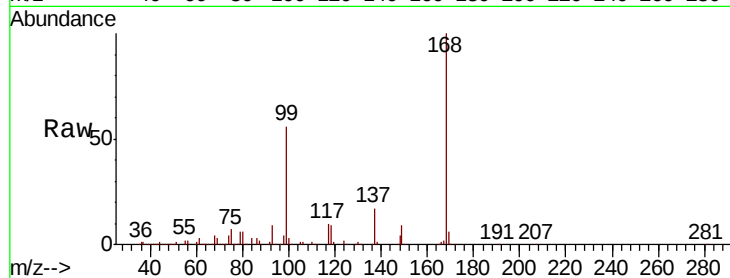
200715084-02-VOADL

Tot Ion:168 Resp: 247566

Ion Ratio Lower Upper

168 100

99 56.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

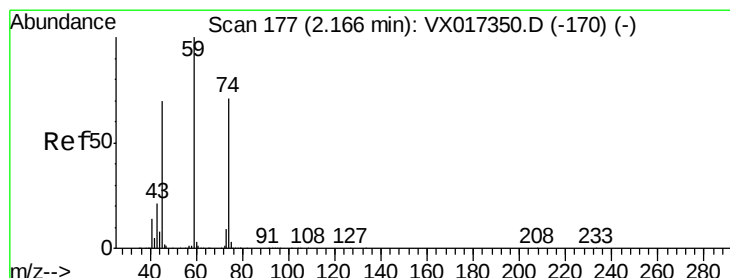
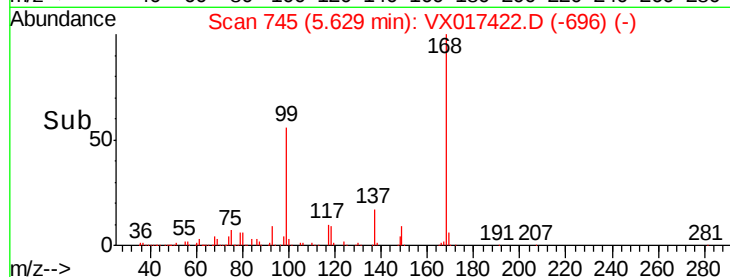
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#8

Diethyl Ether

Concen: 1.313 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017422.D

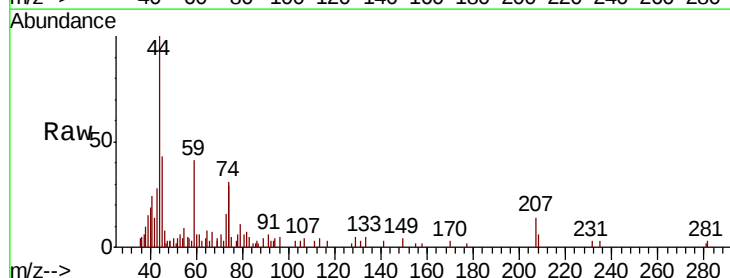
Acq: 17 Jul 2020 16:11

Tgt Ion: 74 Resp: 1827

Ion Ratio Lower Upper

74 100

45 51.2 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2000

1500

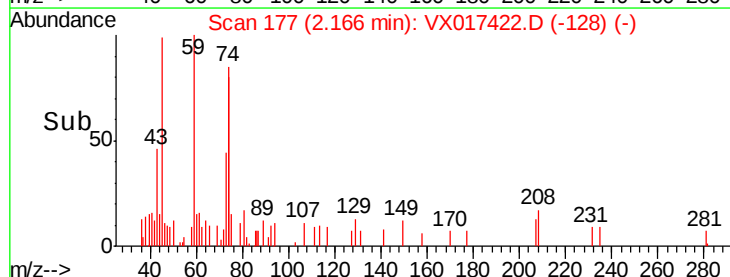
1000

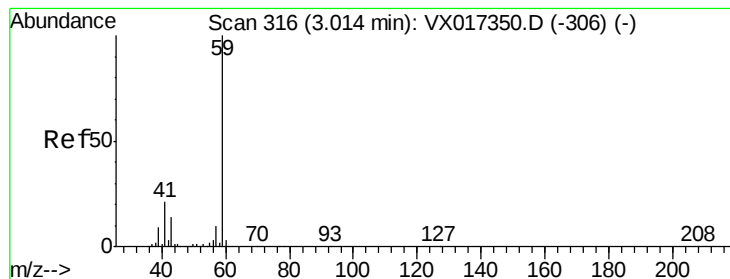
500

0

2.10 2.15 2.20 2.25

Time-->



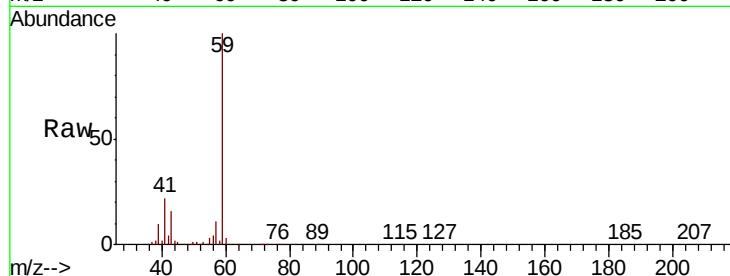


#11

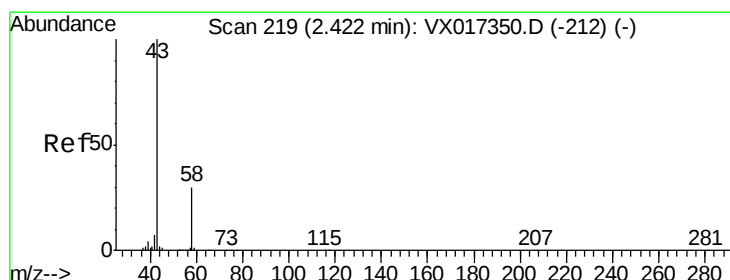
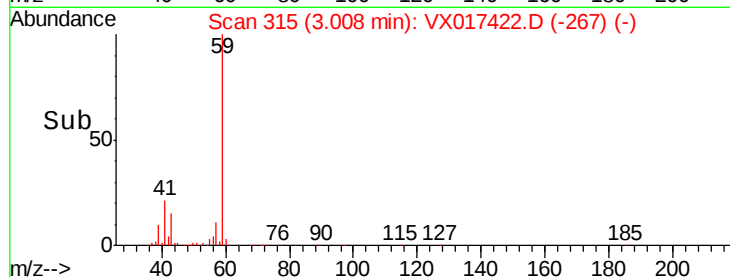
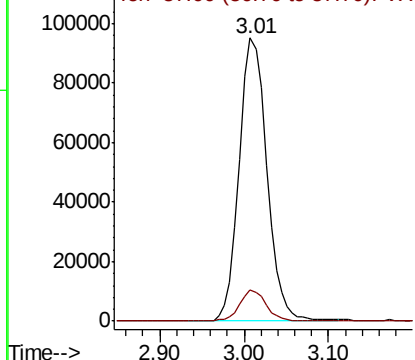
Tert butyl alcohol
 Concen: 406.008 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX017422.D
 Acq: 17 Jul 2020 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 200715084-02-VOADL

Tot Ion: 59 Resp: 212545
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.3 12.5



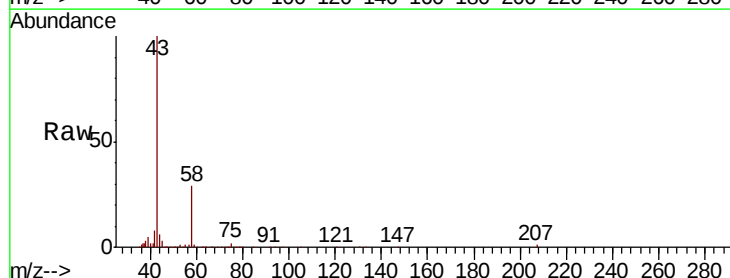
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



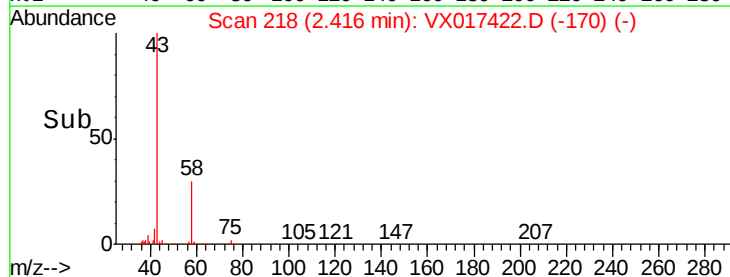
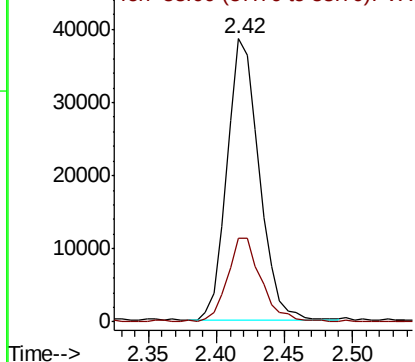
#16

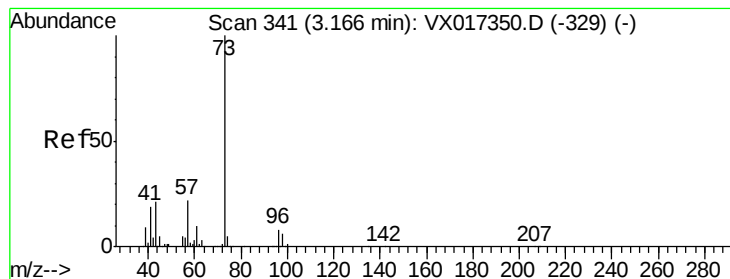
Acetone
 Concen: 56.835 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017422.D
 Acq: 17 Jul 2020 16:11

Tgt Ion: 43 Resp: 63002
 Ion Ratio Lower Upper
 43 100
 58 29.4 24.2 36.2



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



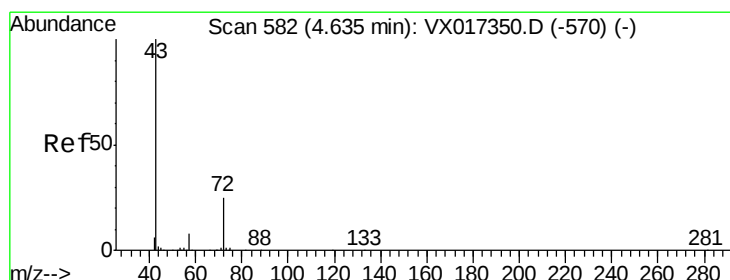
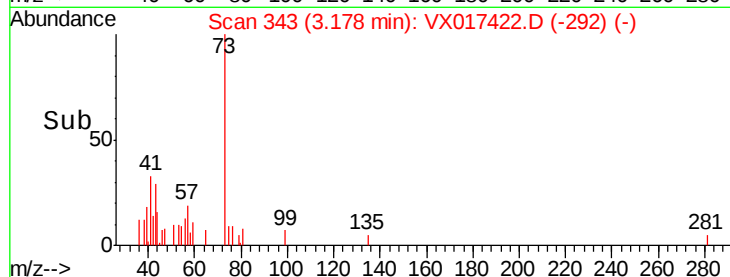
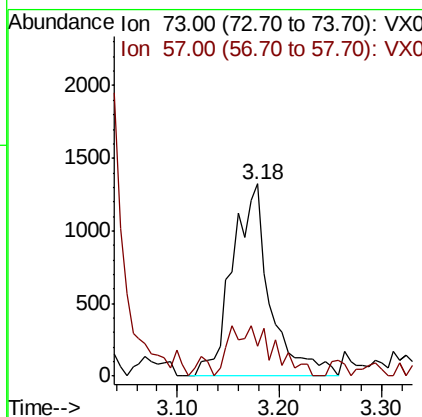
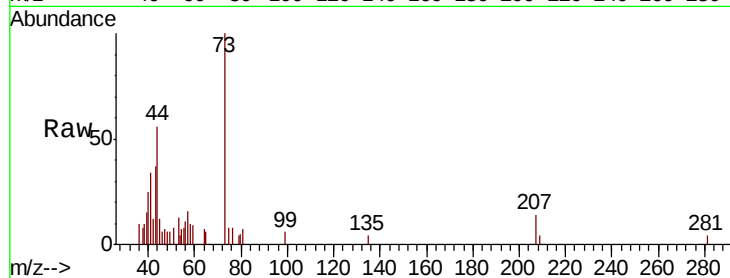


#19

Methyl tert-butyl Ether
 Concen: 0.445 ug/l
 RT: 3.18 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VX017422.D
 Acq: 17 Jul 2020 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 200715084-02-VOADL

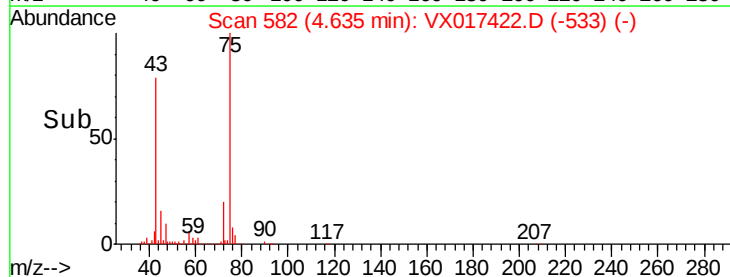
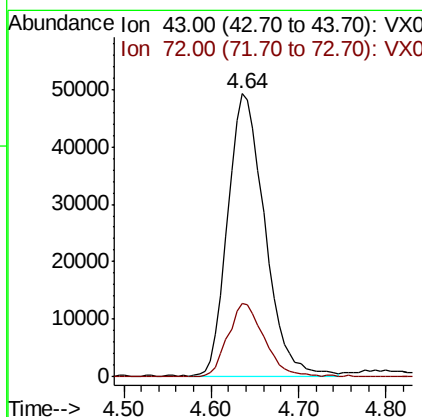
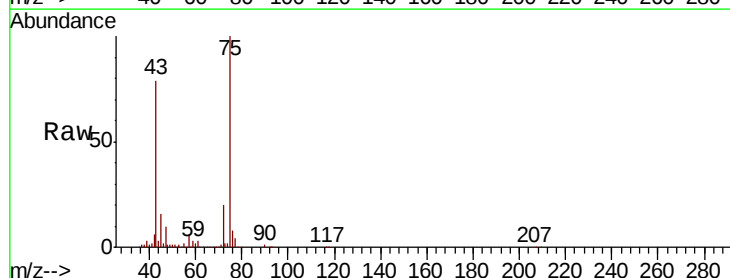
Tot Ion: 73 Resp: 3402
 Ion Ratio Lower Upper
 73 100
 57 15.9 17.5 26.3#

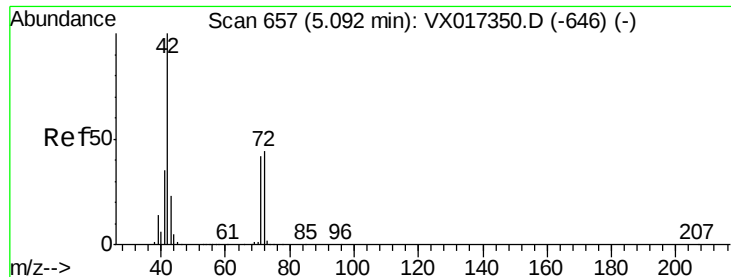


#25

2-Butanone
 Concen: 82.110 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX017422.D
 Acq: 17 Jul 2020 16:11

Tgt Ion: 43 Resp: 144565
 Ion Ratio Lower Upper
 43 100
 72 25.8 20.4 30.6

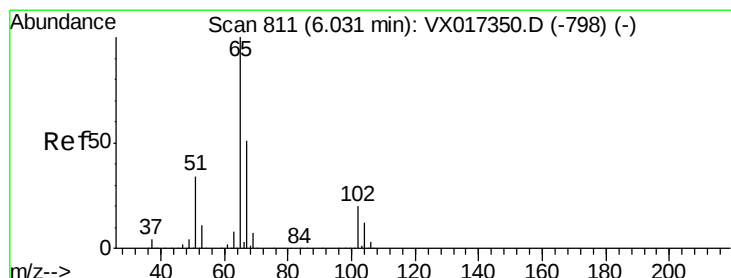
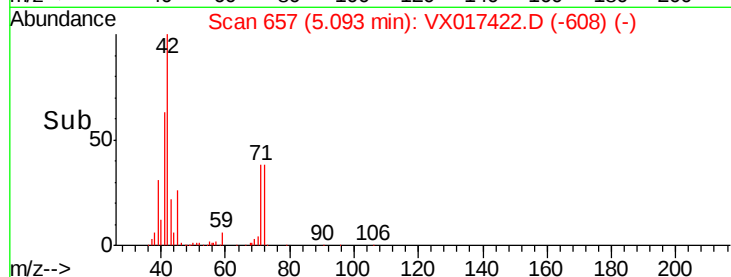
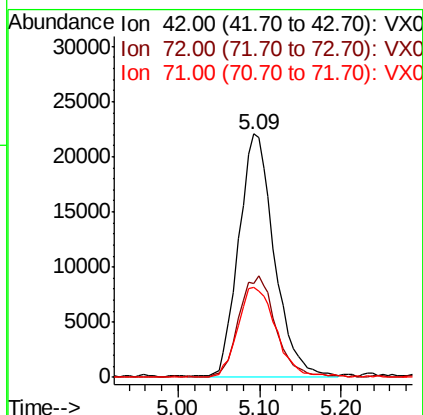
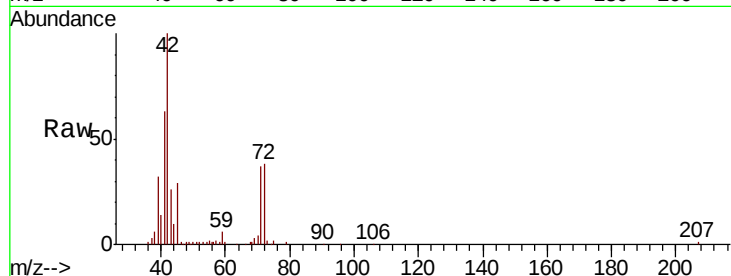




#29
Tetrahydrofuran
Concen: 58.136 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

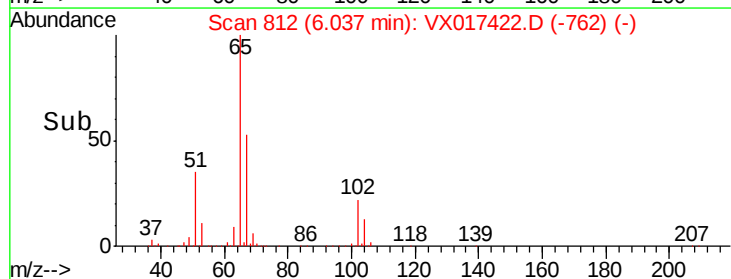
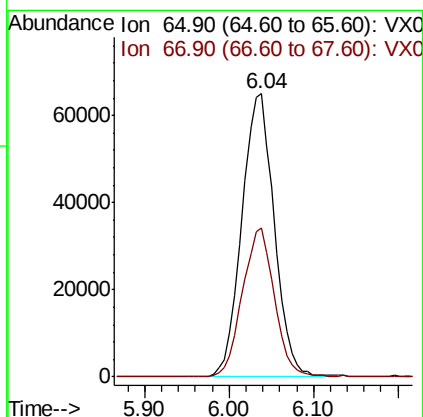
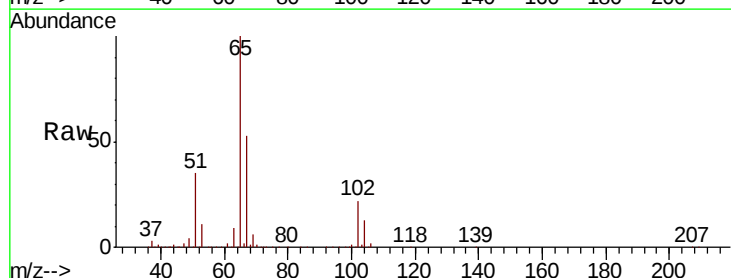
Instrument :
MSVOA_X
ClientSampleId :
200715084-02-VOADL

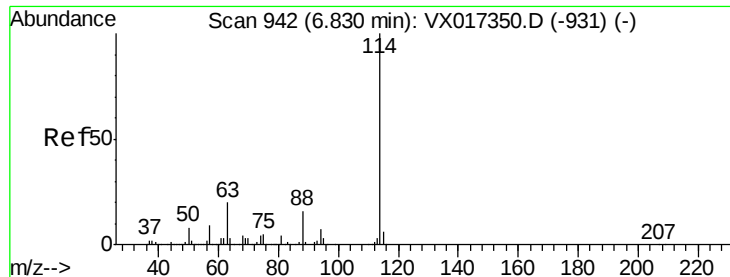
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	37.2	55.8
71	40.1	34.4	51.6



#33
1,2-Dichloroethane-d4
Concen: 54.665 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	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: VX017422.D

Acq: 17 Jul 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

200715084-02-VOADL

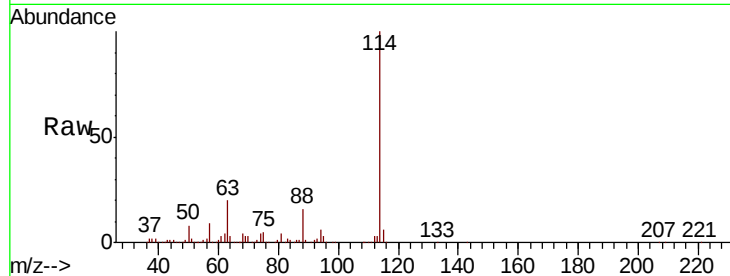
Tot Ion:114 Resp: 422068

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

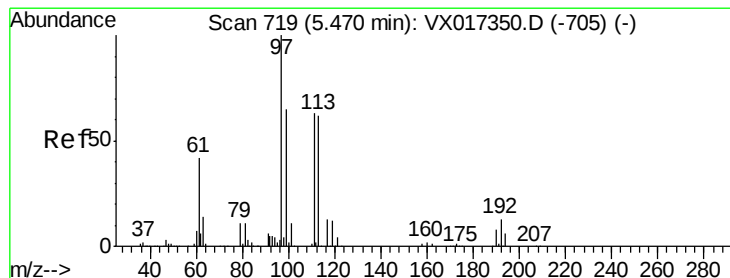
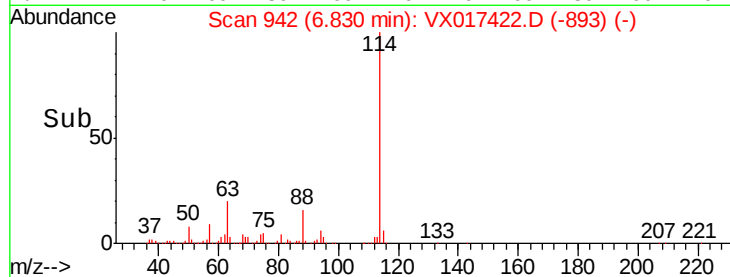
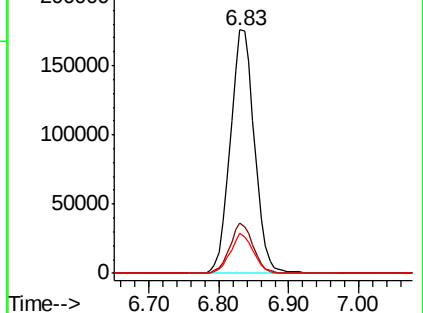
88 16.3 0.0 32.8



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: 51.613 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017422.D

Acq: 17 Jul 2020 16:11

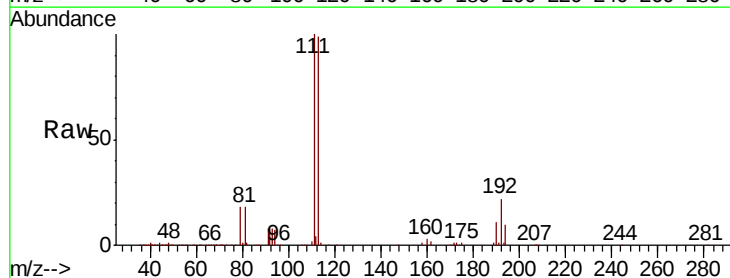
Tgt Ion:113 Resp: 146742

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

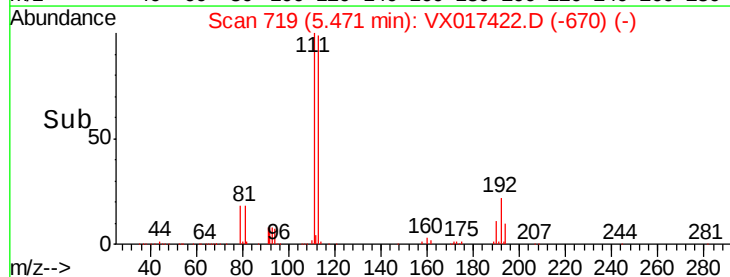
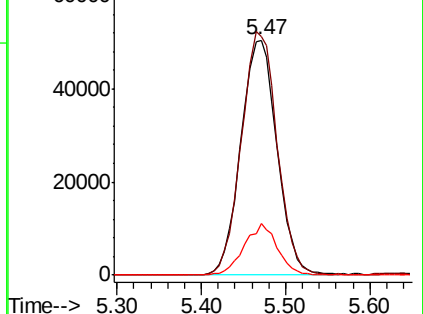
192 20.2 17.2 25.8

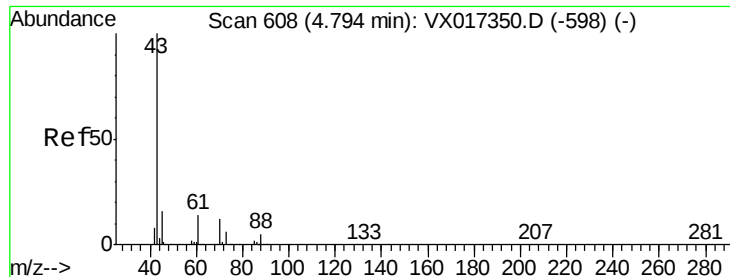


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

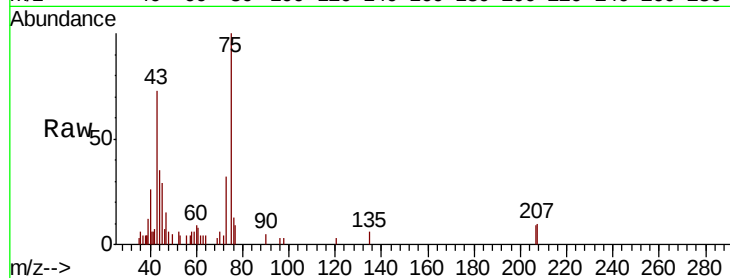




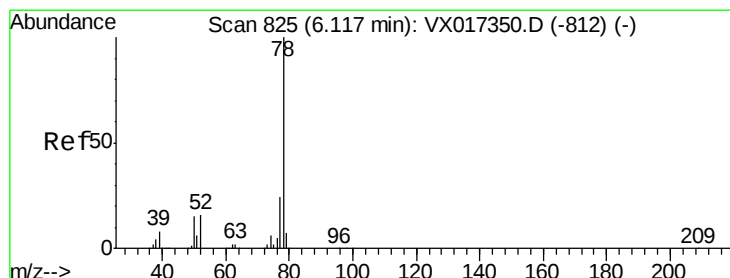
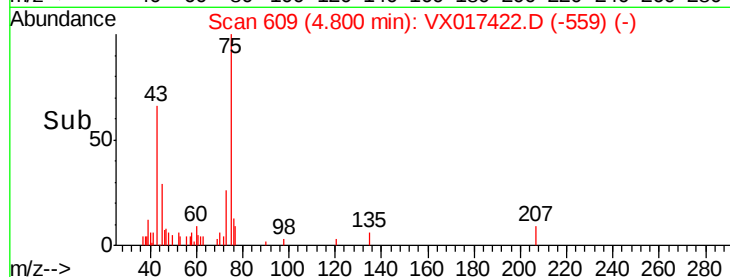
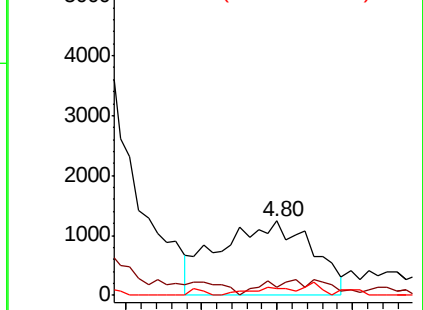
#37
Ethyl Acetate
Concen: 1.310 ug/l m
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

Instrument :
MSVOA_X
ClientSampleId :
200715084-02-VOADL

Tot Ion: 43 Resp: 5258
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 9.0 13.6#

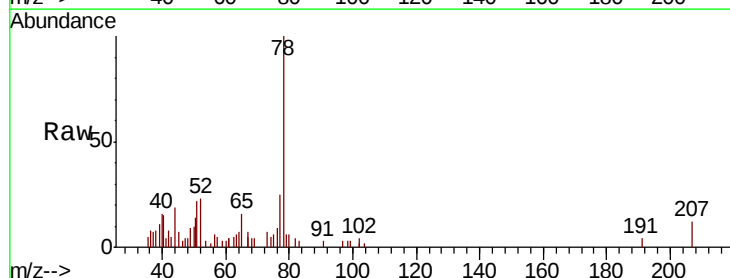


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

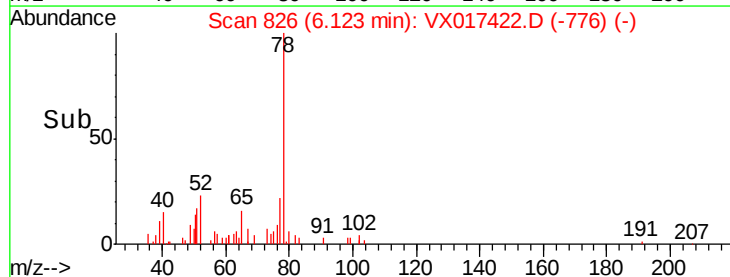
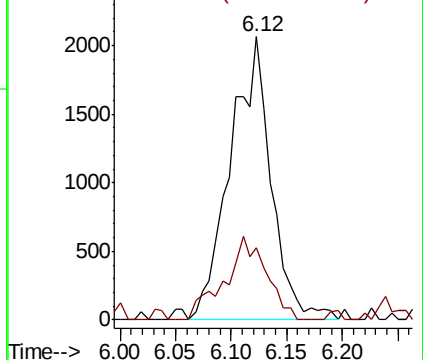


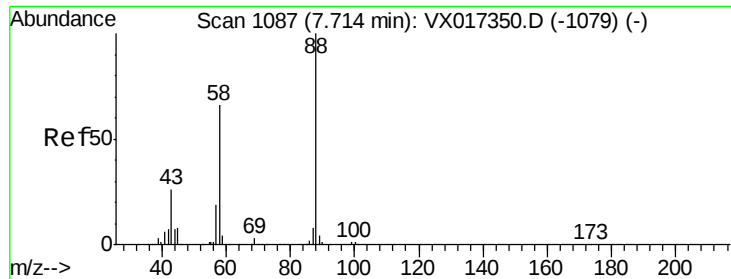
#40
Benzene
Concen: 0.470 ug/l
RT: 6.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

Tgt Ion: 78 Resp: 5245
Ion Ratio Lower Upper
78 100
77 25.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 11.555 ug/l m

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017422.D

Acq: 17 Jul 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

200715084-02-VOADL

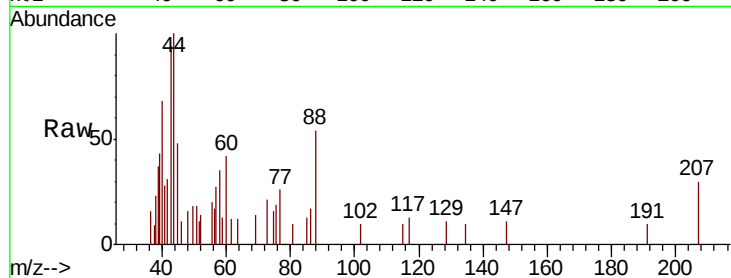
Tot Ion: 88 Resp: 728

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

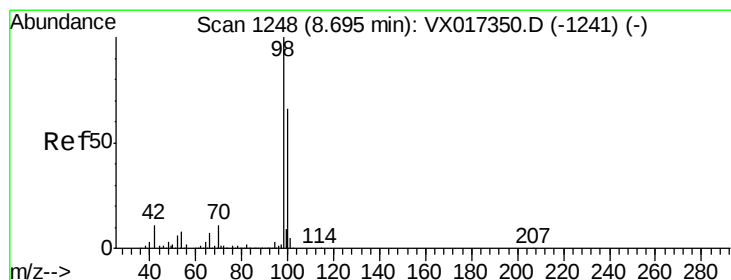
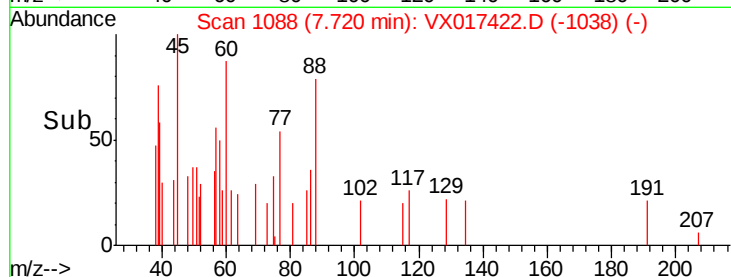
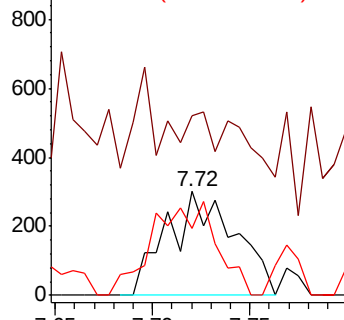
58 0.0 53.9 80.9#



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: 51.833 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017422.D

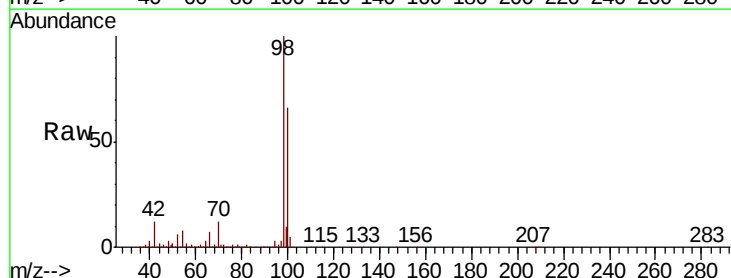
Acq: 17 Jul 2020 16:11

Tgt Ion: 98 Resp: 531572

Ion Ratio Lower Upper

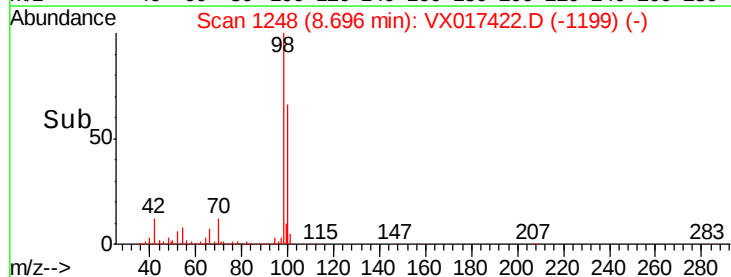
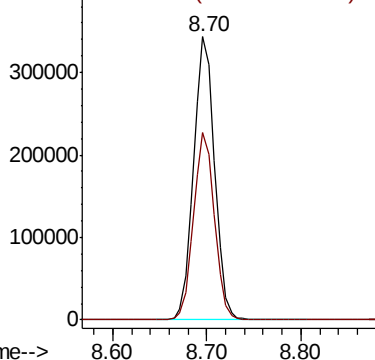
98 100

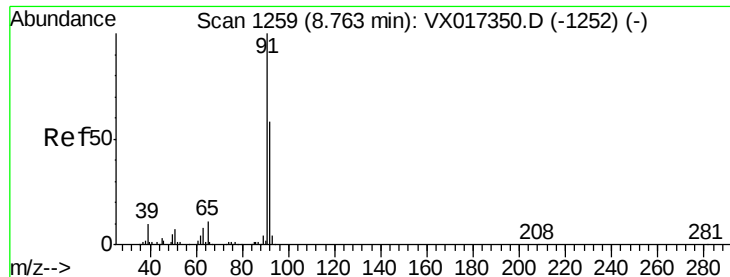
100 65.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.462 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017422.D

Acq: 17 Jul 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

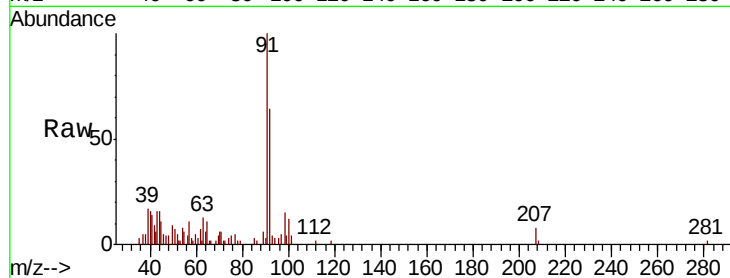
200715084-02-VOADL

Tot Ion: 92 Resp: 3306

Ion Ratio Lower Upper

92 100

91 169.4 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

3000

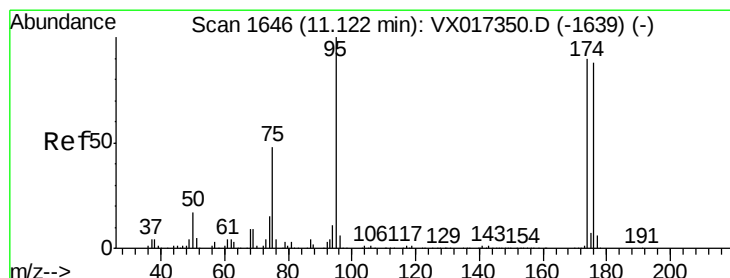
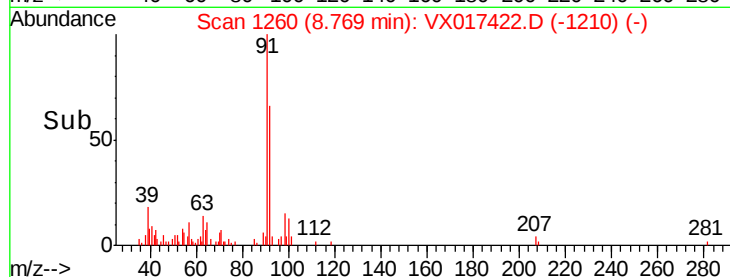
2000

1000

0

8.77

Time-->



#62

4-Bromofluorobenzene

Concen: 55.623 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017422.D

Acq: 17 Jul 2020 16:11

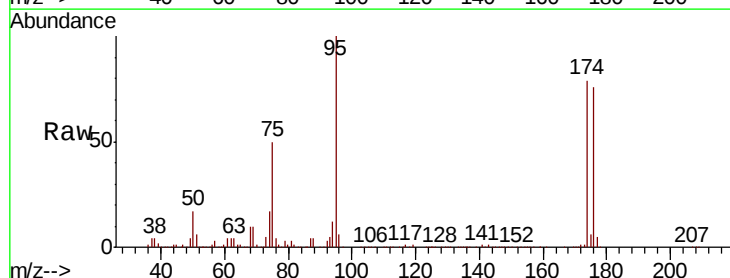
Tgt Ion: 95 Resp: 226592

Ion Ratio Lower Upper

95 100

174 79.8 0.0 175.8

176 76.6 0.0 164.6



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

250000

200000

150000

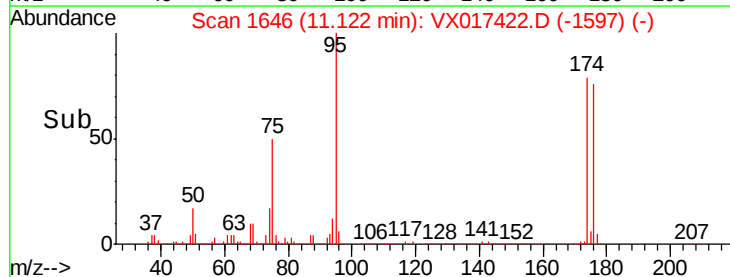
100000

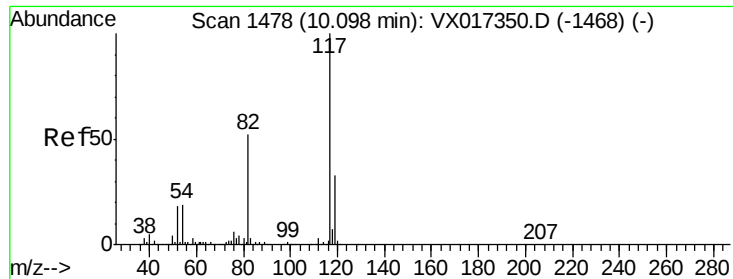
50000

0

11.12

Time-->

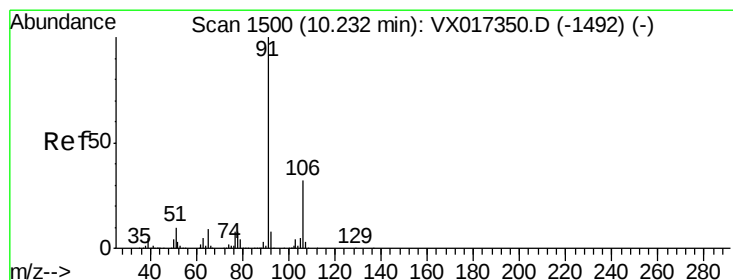
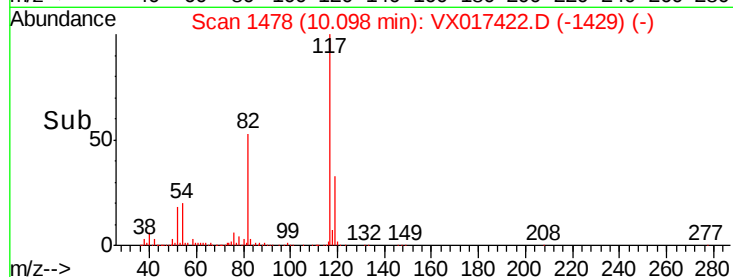
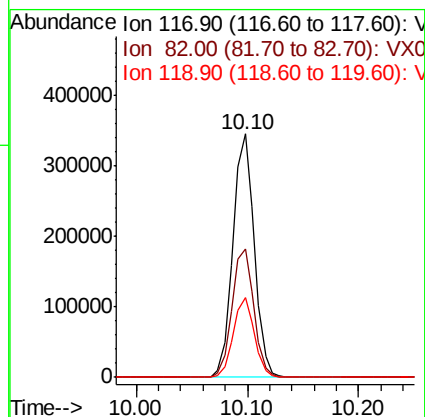
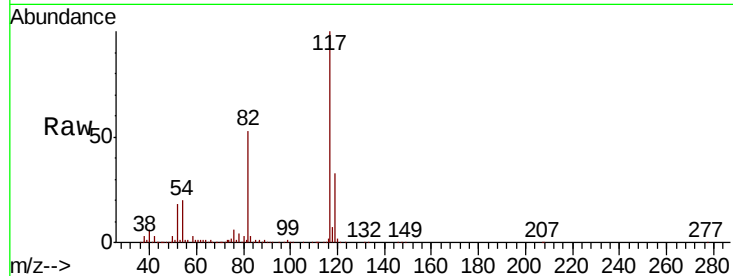




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

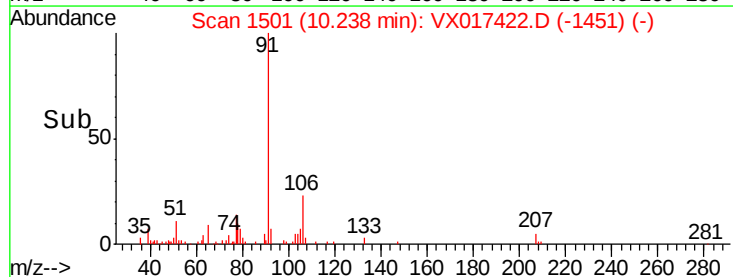
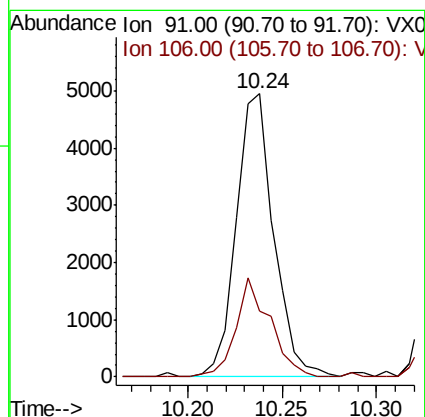
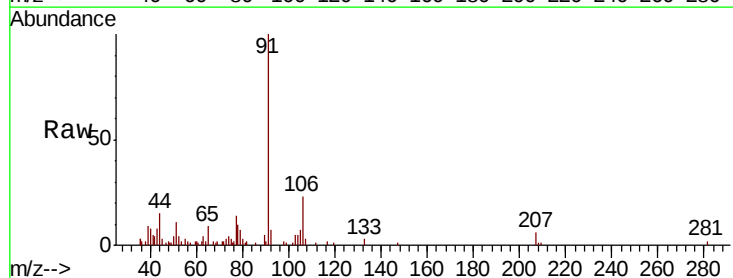
Instrument :
MSVOA_X
ClientSampleId :
200715084-02-VOADL

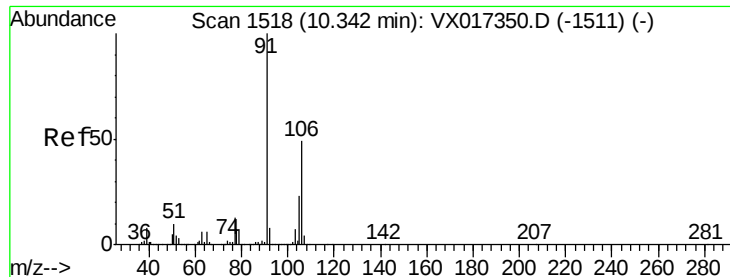
Tot Ion:117 Resp: 456859
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.9 26.3 39.5



#67
Ethyl Benzene
Concen: 0.441 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

Tgt Ion: 91 Resp: 6823
Ion Ratio Lower Upper
91 100
106 23.2 25.7 38.5#

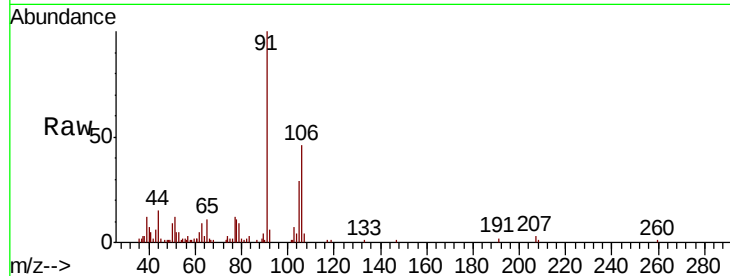




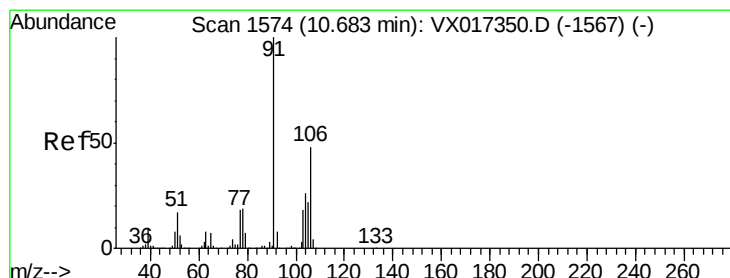
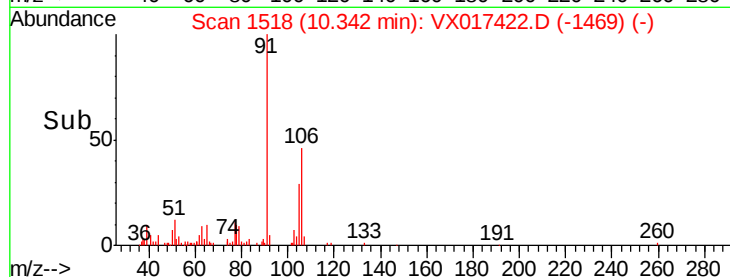
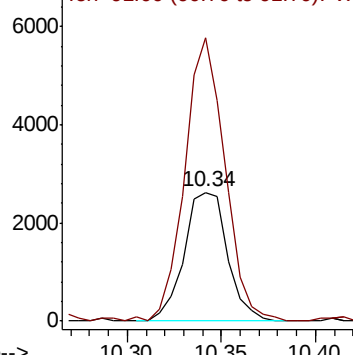
#68
m/p-Xylenes
Concen: 0.710 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

Instrument :
MSVOA_X
ClientSampleId :
200715084-02-VOADL

Tot Ion:106 Resp: 4176
Ion Ratio Lower Upper
106 100
91 203.6 162.5 243.7

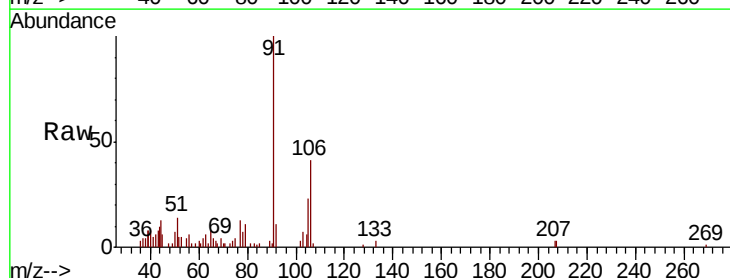


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

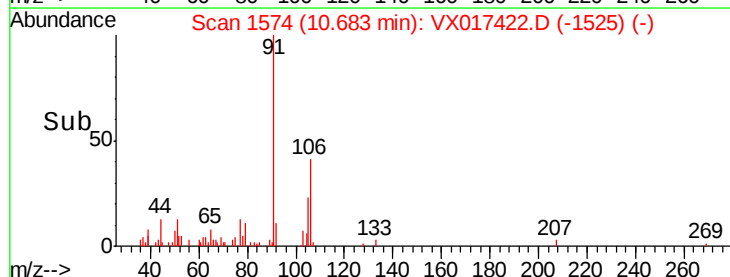
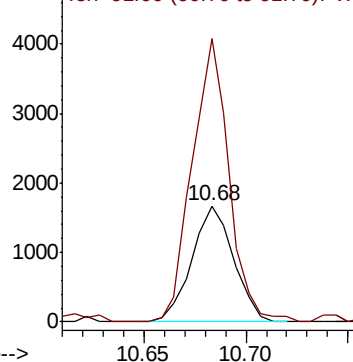


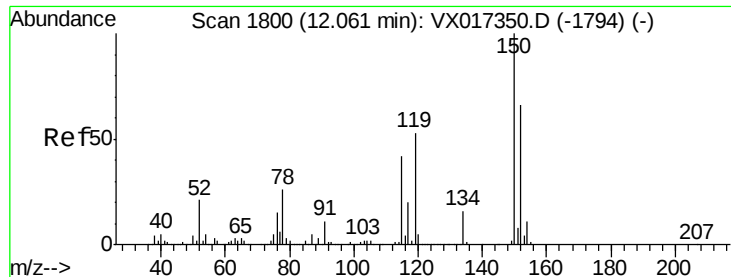
#69
o-Xylene
Concen: 0.422 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017422.D
Acq: 17 Jul 2020 16:11

Tgt Ion:106 Resp: 2374
Ion Ratio Lower Upper
106 100
91 215.5 106.1 318.1



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: VX017422.D

Acq: 17 Jul 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

200715084-02-VOADL

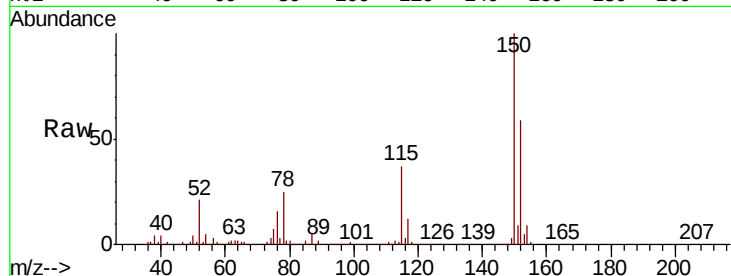
Tot Ion:152 Resp: 237770

Ion Ratio Lower Upper

152 100

115 59.3 39.9 119.7

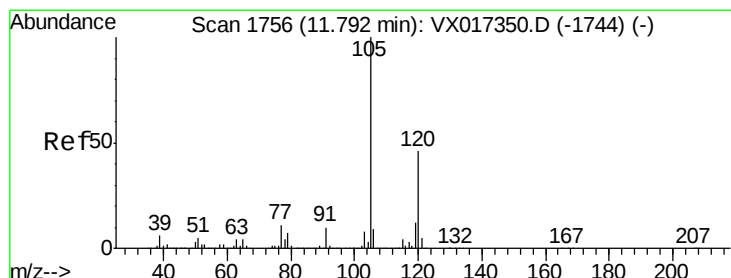
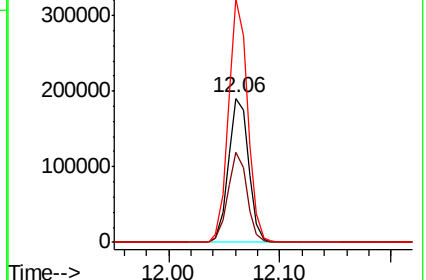
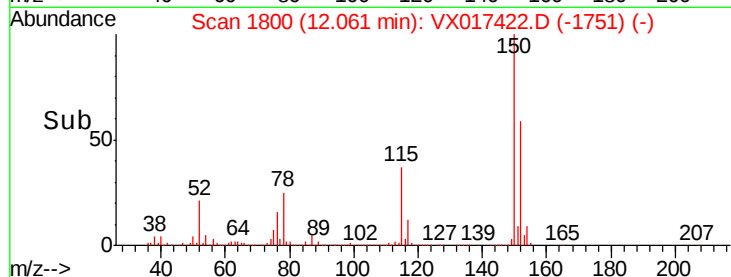
150 160.5 0.0 343.4



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



#84

1,2,4-Trimethylbenzene

Concen: 0.235 ug/l

RT: 11.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VX017422.D

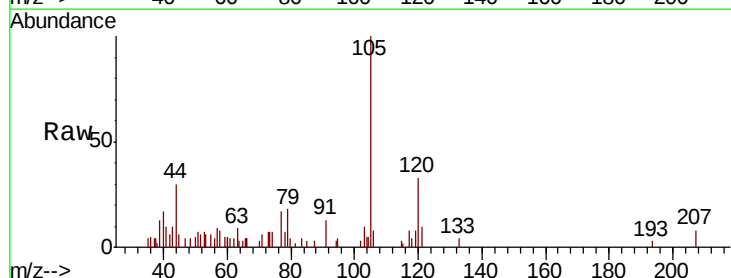
Acq: 17 Jul 2020 16:11

Tgt Ion:105 Resp: 3008

Ion Ratio Lower Upper

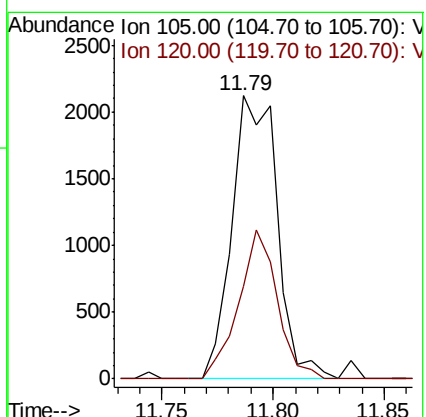
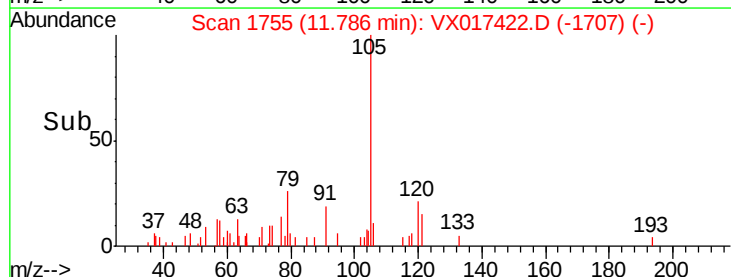
105 100

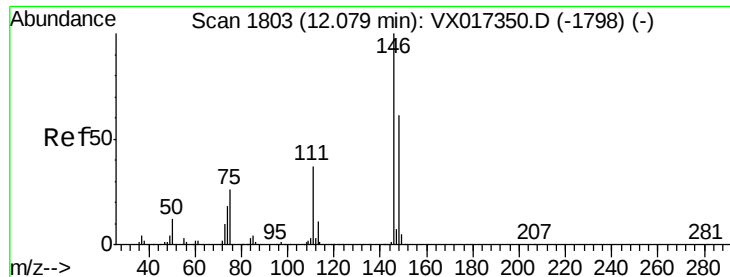
120 44.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

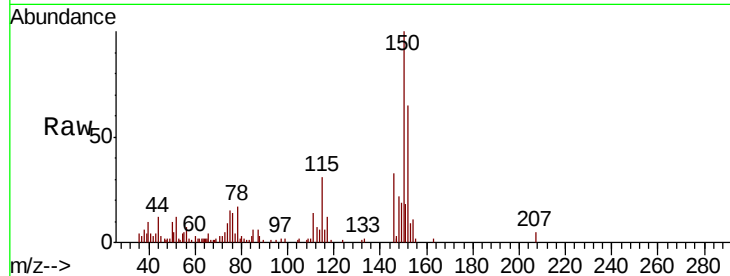




#88
 1,4-Dichlorobenzene
 Concen: 0.395 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017422.D
 Acq: 17 Jul 2020 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 200715084-02-VOADL

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	96.1	31.9	95.9#

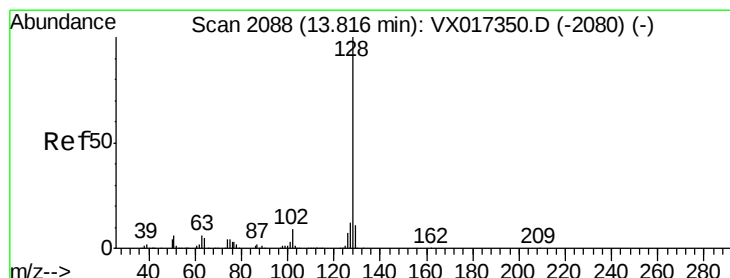
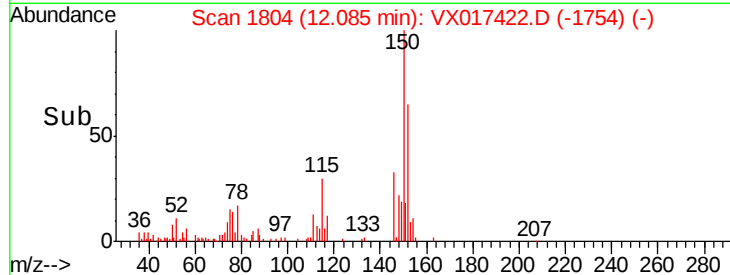
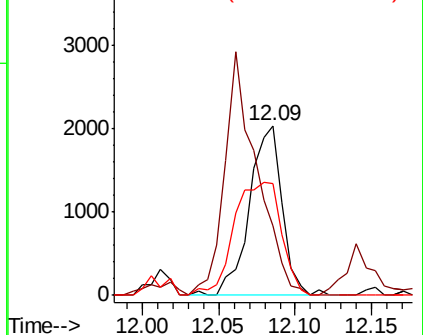


Abundance

Ion 145.90 (145.60 to 146.60): V

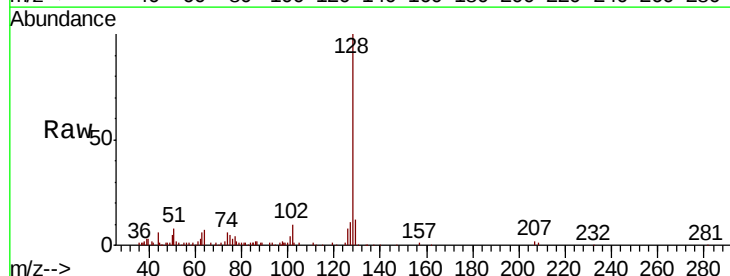
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95
 Naphthalene
 Concen: 1.445 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017422.D
 Acq: 17 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	12.7	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

