

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017317.D
 Acq On : 09 Jul 2020 18:50
 Operator : JC/SP
 Sample : L3217-11 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-NHS

Quant Time: Jul 10 07:27:21 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	262847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	432106	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	457085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249521	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	169335	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
35) Dibromofluoromethane	5.46	113	144956	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	8.70	98	531903	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.12	95	229951	58.20	ug/l	0.00
Spiked Amount			Recovery	=	116.40%	

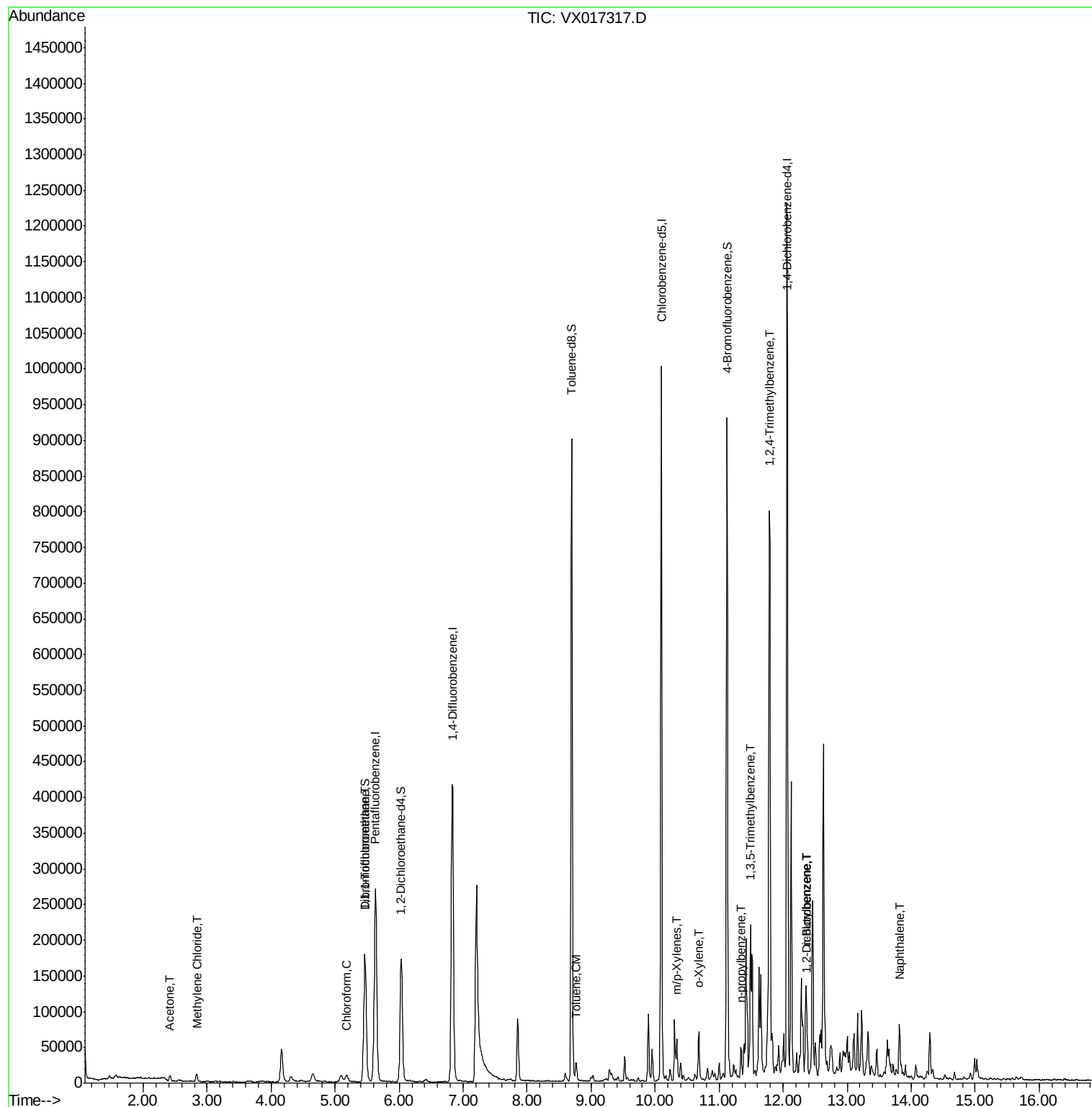
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	8376	6.910	ug/l	89
20) Methylene Chloride	2.84	84	4933	1.007	ug/l #	90
30) Chloroform	5.17	83	10198	1.966	ug/l	91
32) 1,1,1-Trichloroethane	5.47	97	9992	2.091	ug/l	98
52) Toluene	8.77	92	8965	1.197	ug/l	97
68) m/p-Xylenes	10.34	106	12005	1.985	ug/l	98
69) o-Xylene	10.68	106	12883	2.239	ug/l	98
78) n-propylbenzene	11.34	91	24638	1.333	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	72871	5.375	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	294591	21.419	ug/l	98
89) n-Butylbenzene	12.37	91	18290	1.407	ug/l #	35
91) 1,2-Dichlorobenzene	12.38	146	10738	1.408	ug/l	93
95) Naphthalene	13.82	128	42884	2.710	ug/l	99

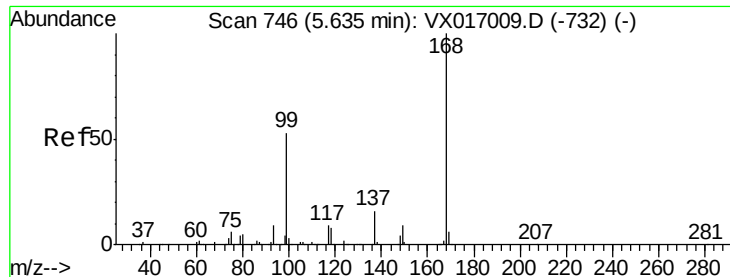
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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E3-41-NHS

Quant Time: Jul 10 07:27:21 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: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

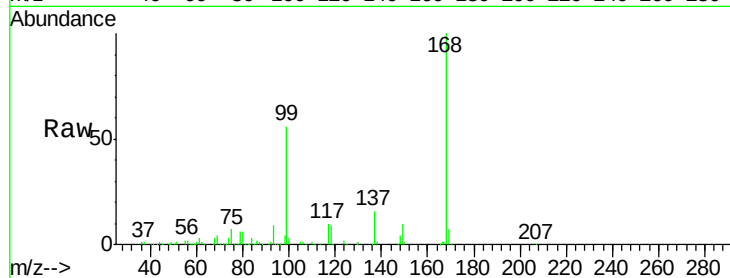
E3-41-NHS

Tot Ion:168 Resp: 262847

Ion Ratio Lower Upper

168 100

99 55.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

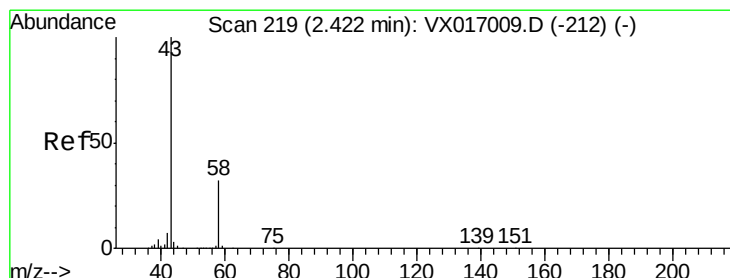
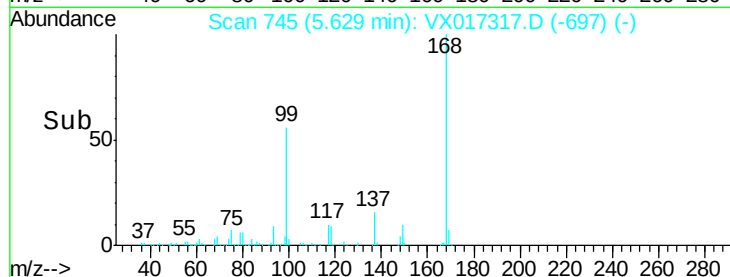
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 6.910 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017317.D

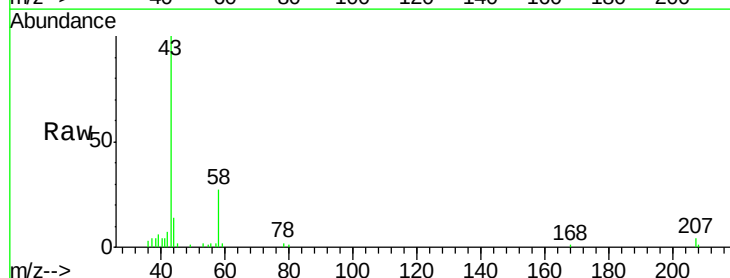
Acq: 09 Jul 2020 18:50

Tgt Ion: 43 Resp: 8376

Ion Ratio Lower Upper

43 100

58 25.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

6000

5000

4000

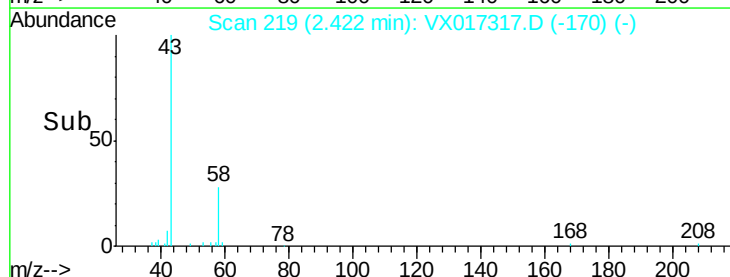
3000

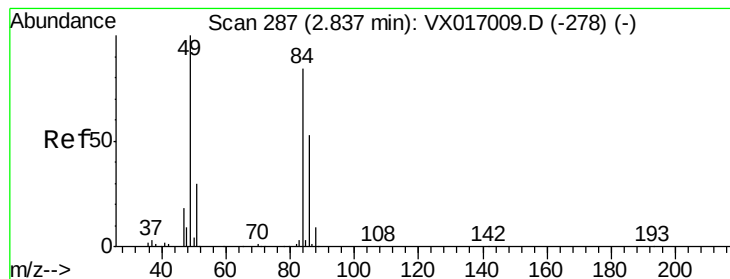
2000

1000

0

Time-->





#20

Methvlene Chloride

Concen: 1.007 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

E3-41-NHS

Tot Ion: 84 Resp: 4933

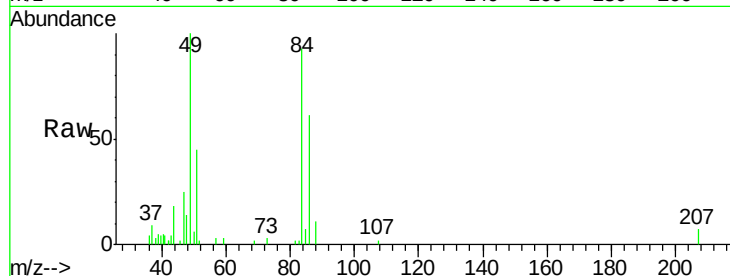
Ion Ratio Lower Upper

84 100

49 107.5 94.7 142.1

51 48.3 28.6 42.8#

86 65.6 50.5 75.7

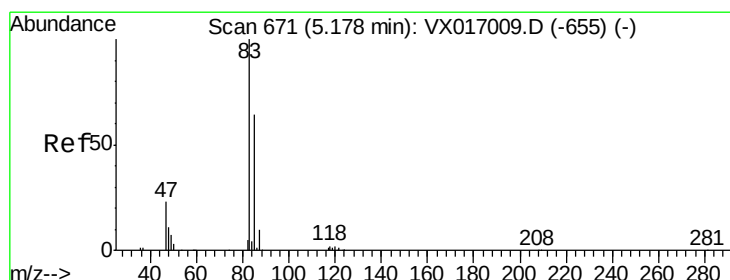
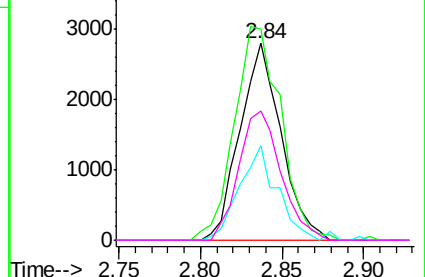
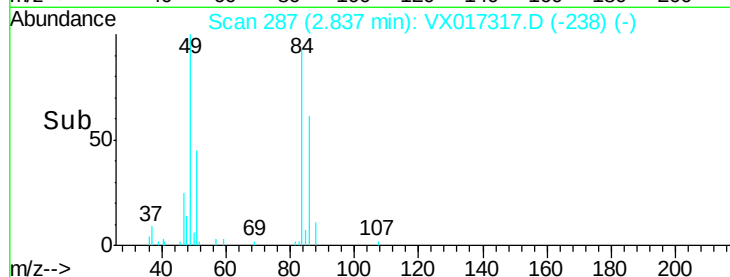


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#30

Chloroform

Concen: 1.966 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017317.D

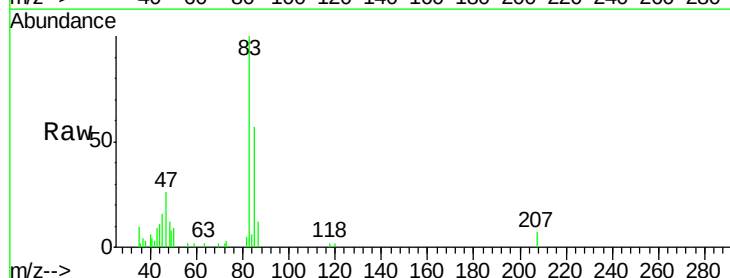
Acq: 09 Jul 2020 18:50

Tgt Ion: 83 Resp: 10198

Ion Ratio Lower Upper

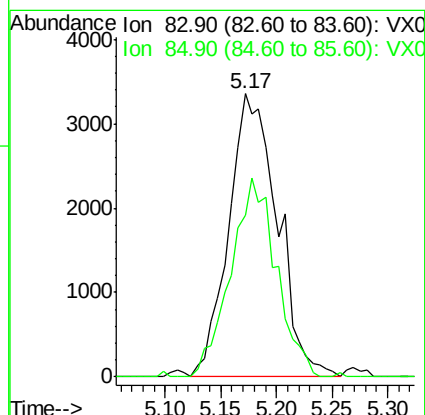
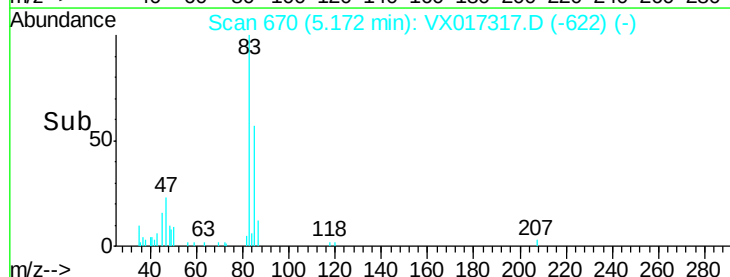
83 100

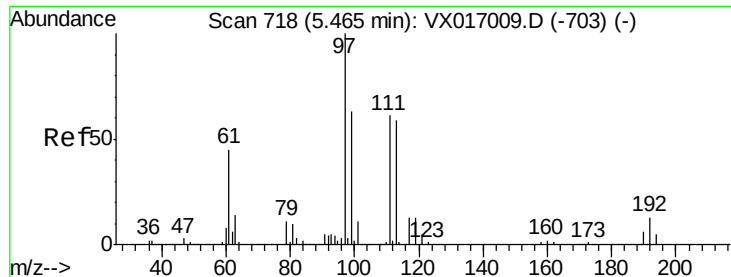
85 57.1 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 2.091 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

E3-41-NHS

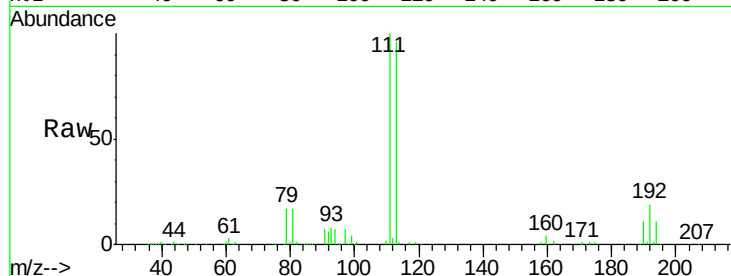
Tot Ion: 97 Resp: 9992

Ion Ratio Lower Upper

97 100

99 63.1 50.8 76.2

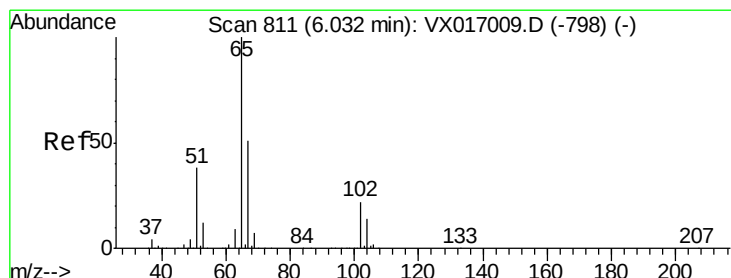
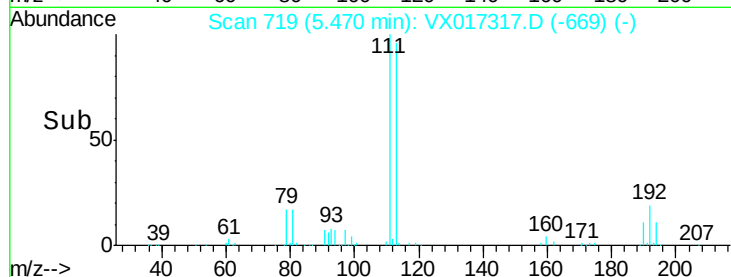
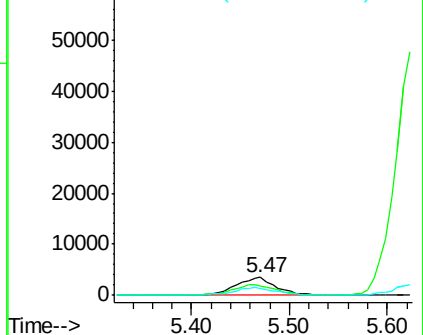
61 44.7 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.258 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017317.D

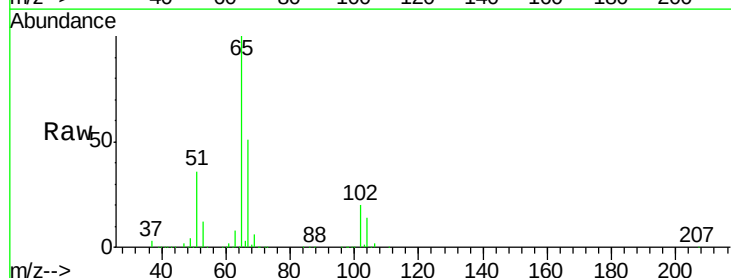
Acq: 09 Jul 2020 18:50

Tgt Ion: 65 Resp: 169335

Ion Ratio Lower Upper

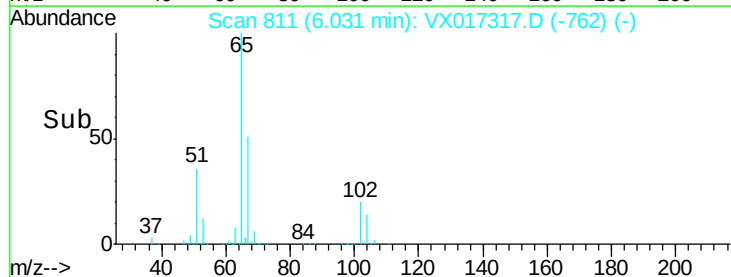
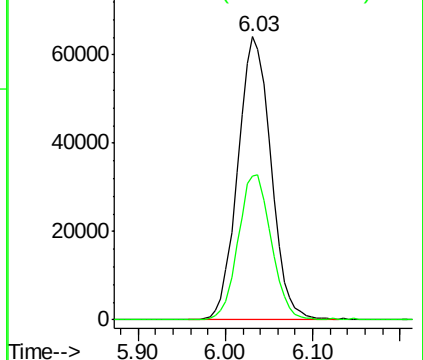
65 100

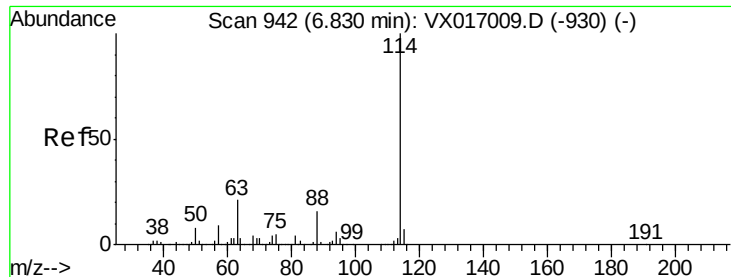
67 51.0 0.0 103.8



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: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

E3-41-NHS

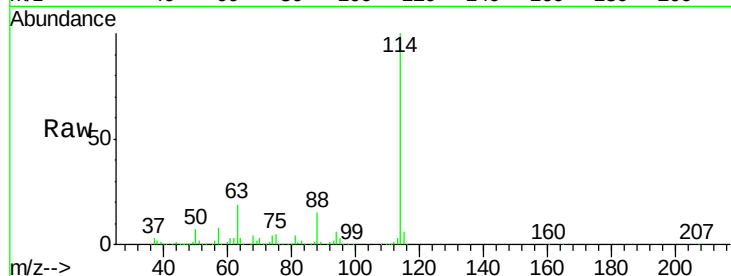
Tot Ion:114 Resp: 432106

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

88 15.3 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

250000

200000

150000

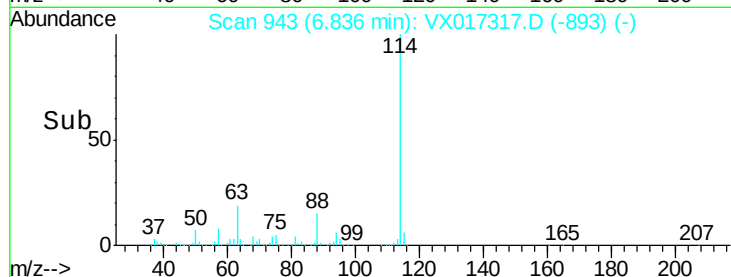
100000

50000

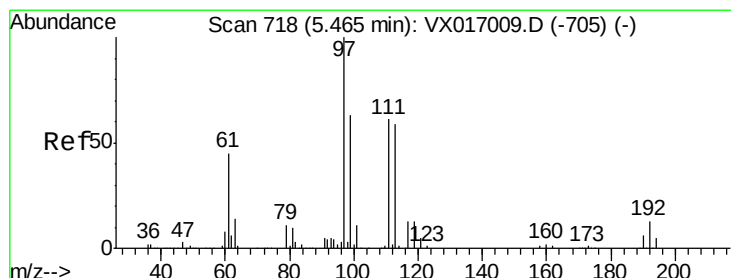
0

6.84

6.70 6.80 6.90



Time-->



#35

Dibromofluoromethane

Concen: 53.032 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

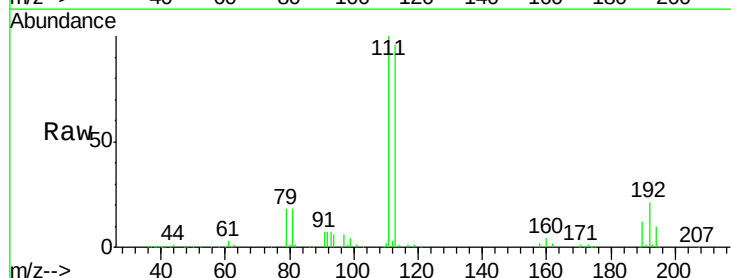
Tgt Ion:113 Resp: 144956

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

192 21.2 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

60000

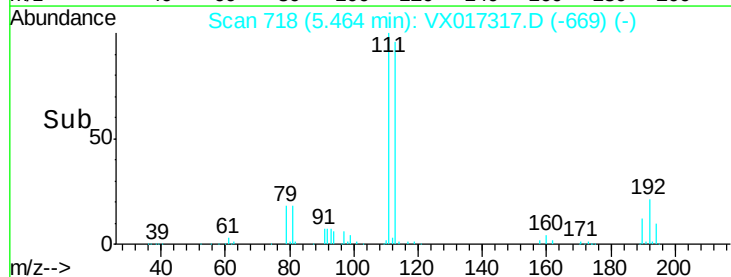
40000

20000

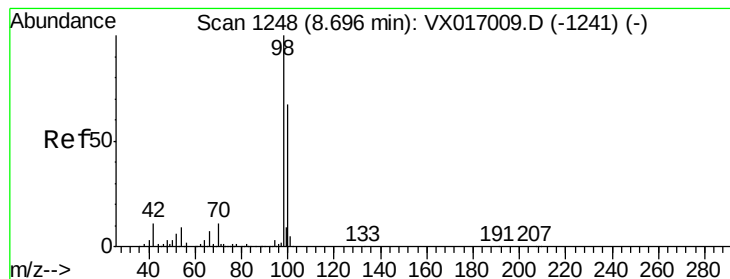
0

5.46

5.30 5.40 5.50 5.60



Time-->



#50

Toluene-d8

Concen: 52.625 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

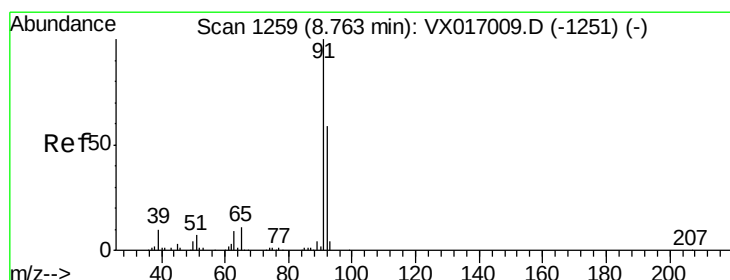
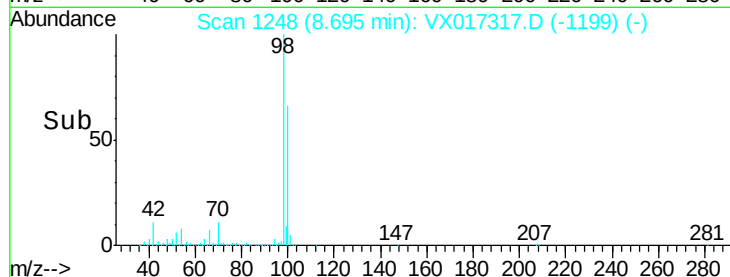
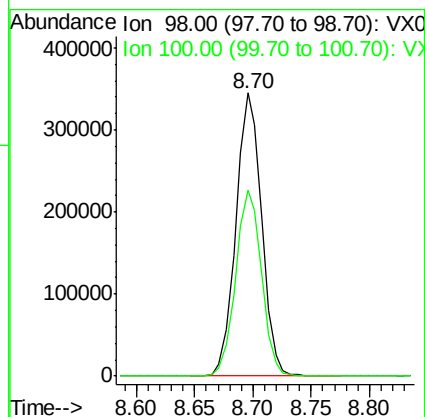
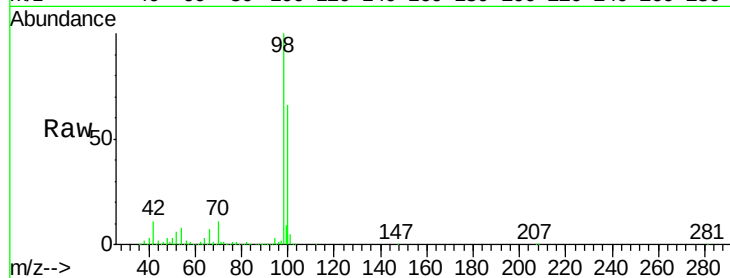
E3-41-NHS

Tot Ion: 98 Resp: 531903

Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.6



#52

Toluene

Concen: 1.197 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017317.D

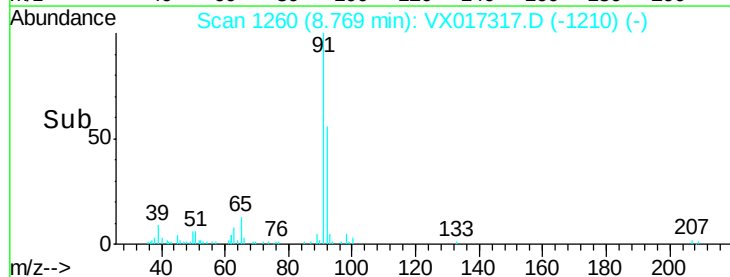
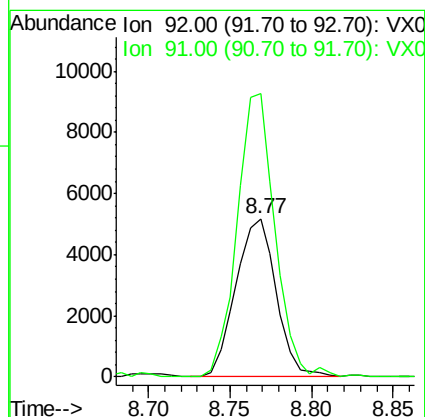
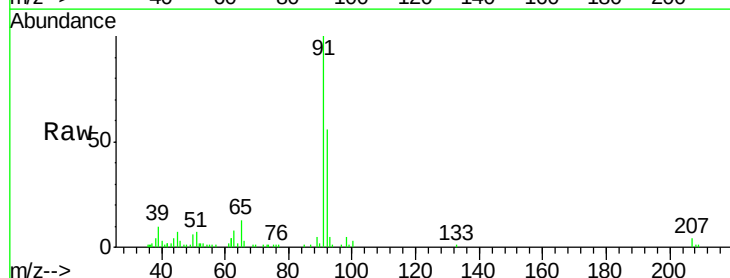
Acq: 09 Jul 2020 18:50

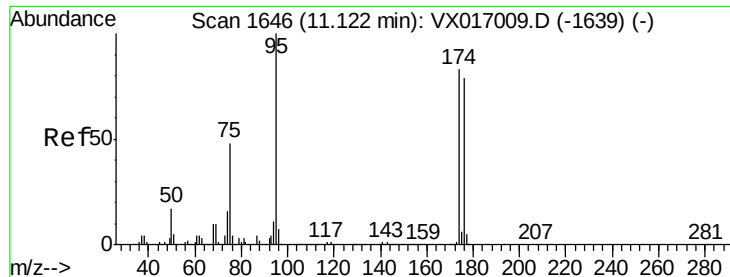
Tgt Ion: 92 Resp: 8965

Ion Ratio Lower Upper

92 100

91 167.4 136.9 205.3





#62

4-Bromofluorobenzene

Concen: 58.199 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

E3-41-NHS

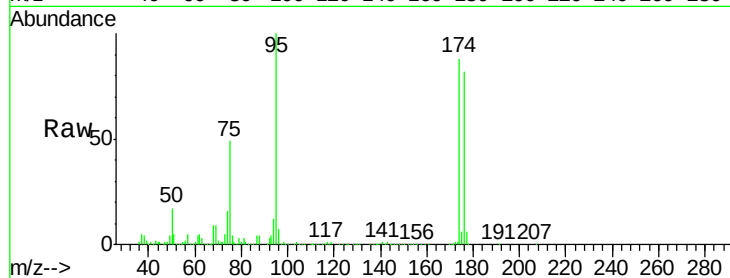
Tot Ion: 95 Resp: 229951

Ion Ratio Lower Upper

95 100

174 84.6 0.0 164.0

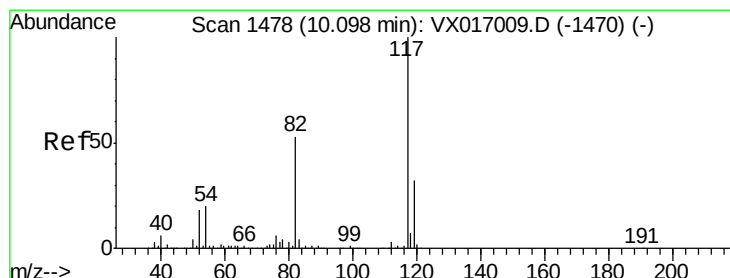
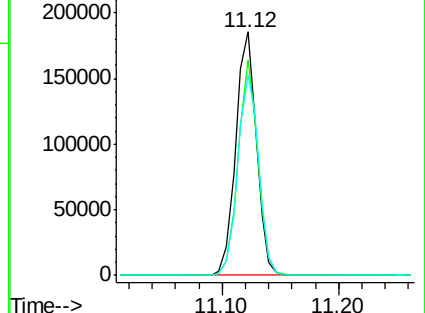
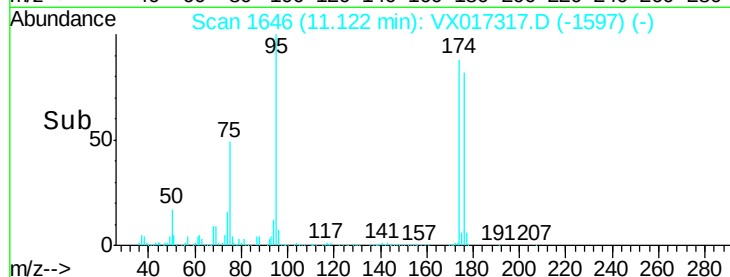
176 83.1 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017317.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017317.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017317.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

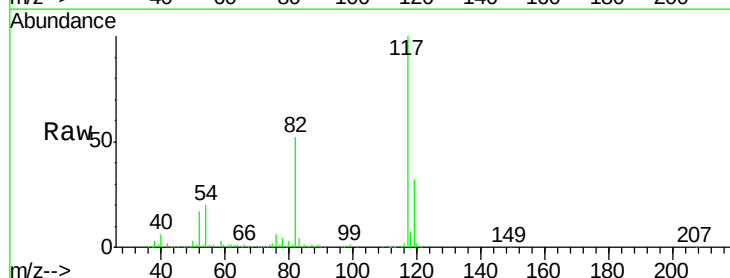
Tgt Ion: 117 Resp: 457085

Ion Ratio Lower Upper

117 100

82 51.9 42.6 63.8

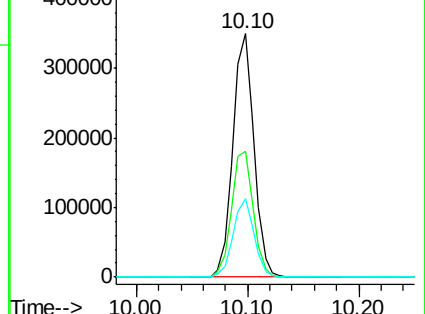
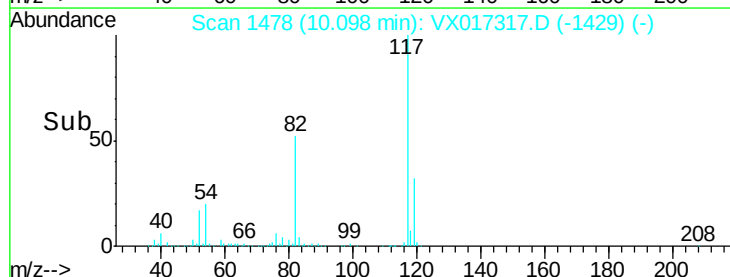
119 32.2 25.4 38.2

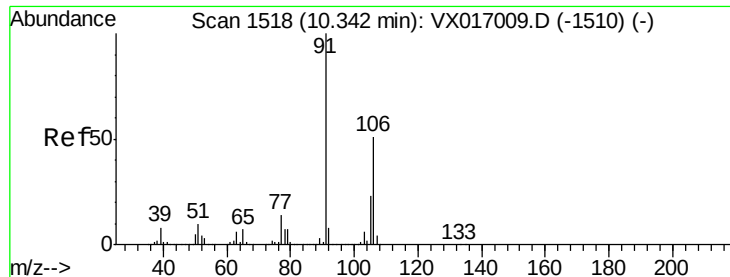


Abundance Ion 116.90 (116.60 to 117.60): VX017317.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017317.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017317.D (-1429) (-)





#68

m/p-Xylenes

Concen: 1.985 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

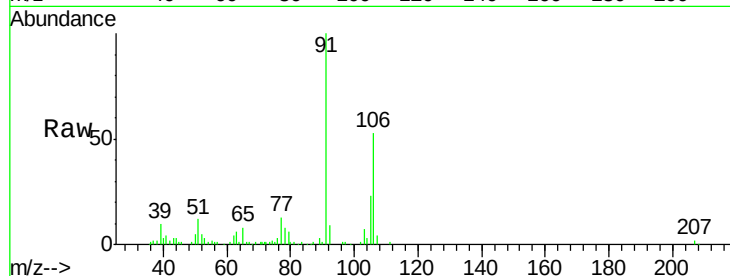
E3-41-NHS

Tot Ion:106 Resp: 12005

Ion Ratio Lower Upper

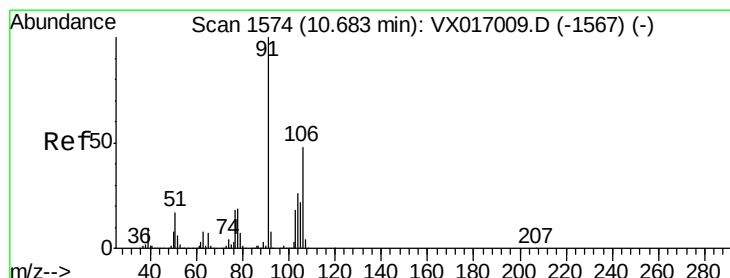
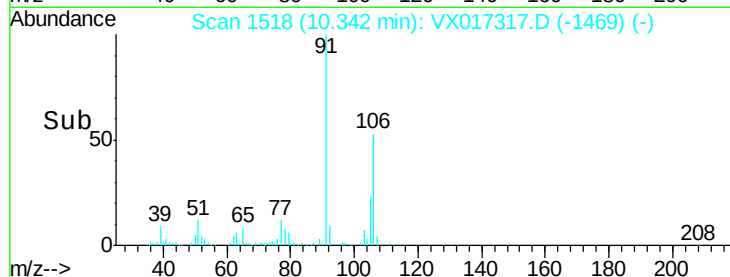
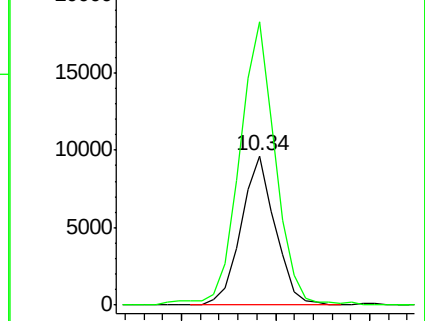
106 100

91 201.1 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 2.239 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017317.D

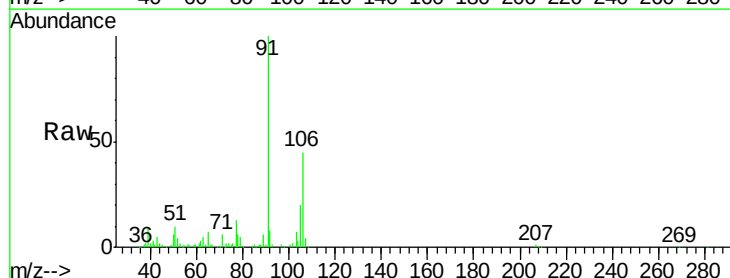
Acq: 09 Jul 2020 18:50

Tgt Ion:106 Resp: 12883

Ion Ratio Lower Upper

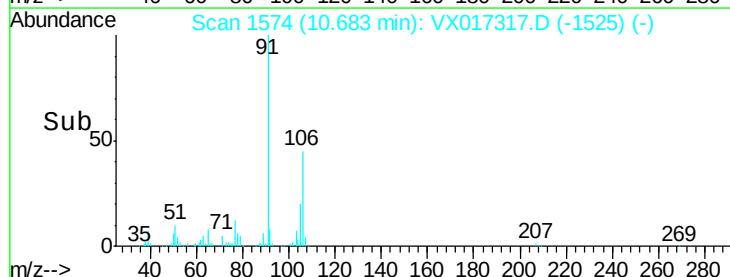
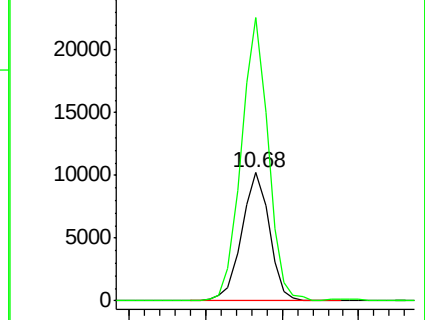
106 100

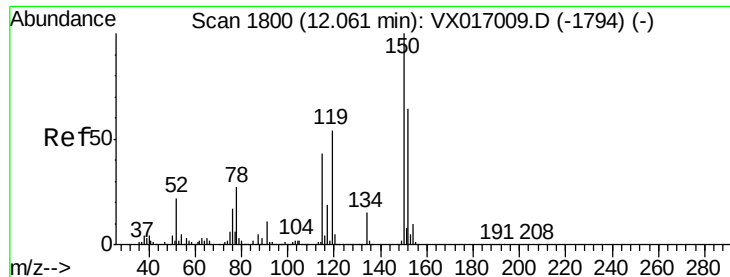
91 213.7 105.6 316.7



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: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

E3-41-NHS

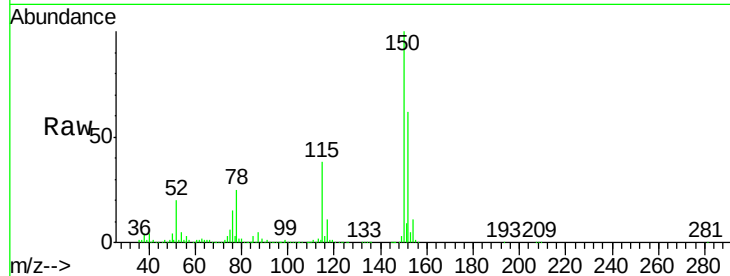
Tot Ion:152 Resp: 249521

Ion Ratio Lower Upper

152 100

115 57.6 40.9 122.7

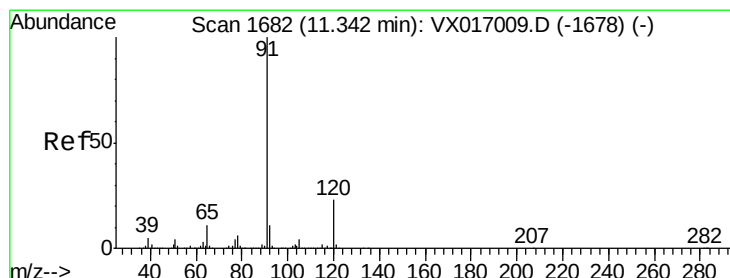
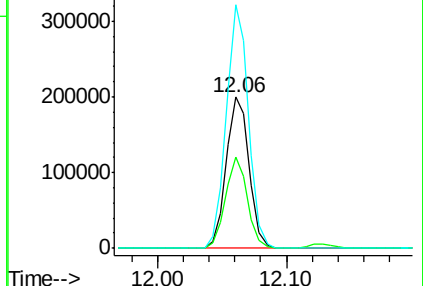
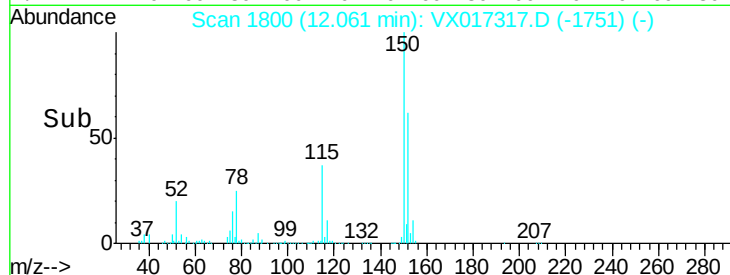
150 155.8 0.0 351.6



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



#78

n-propylbenzene

Concen: 1.333 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017317.D

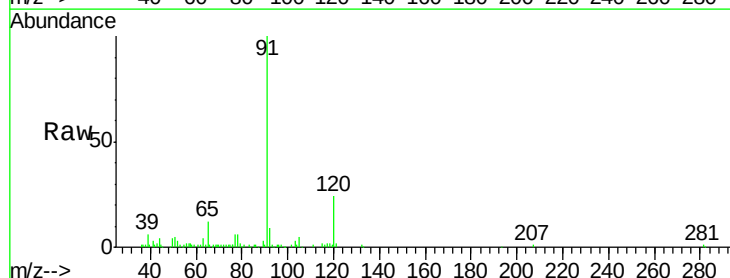
Acq: 09 Jul 2020 18:50

Tgt Ion: 91 Resp: 24638

Ion Ratio Lower Upper

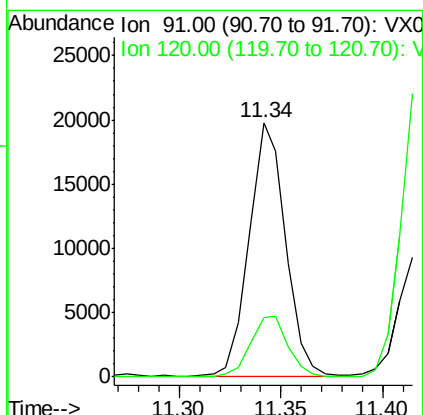
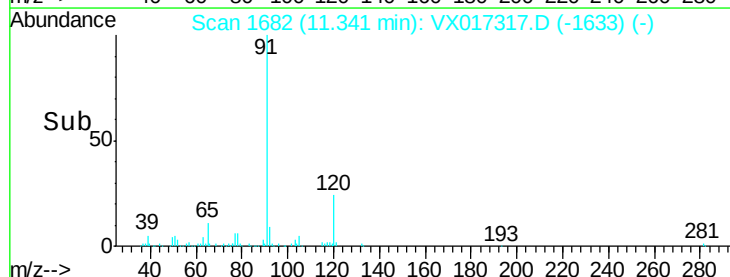
91 100

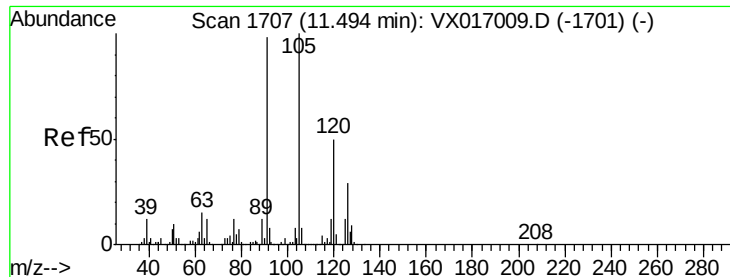
120 24.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 5.375 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

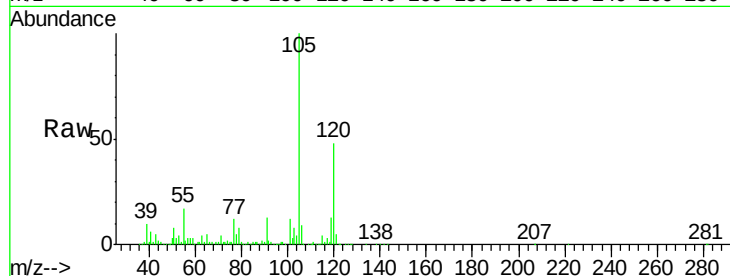
E3-41-NHS

Tot Ion:105 Resp: 72871

Ion Ratio Lower Upper

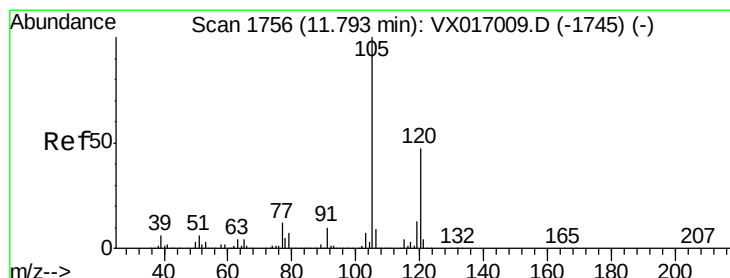
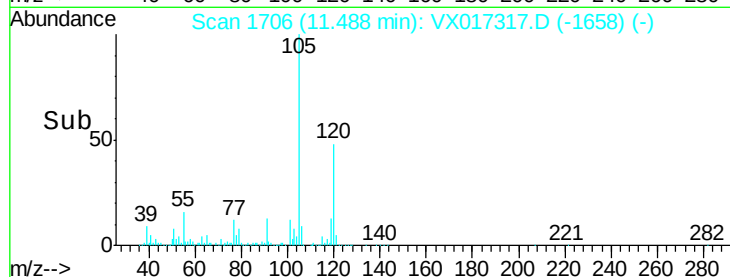
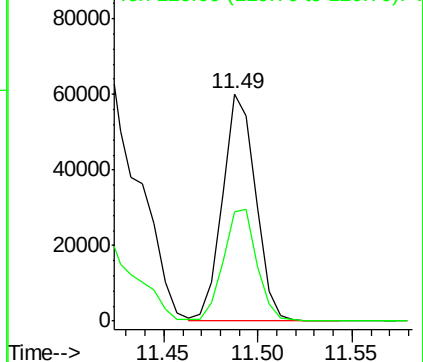
105 100

120 50.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.419 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017317.D

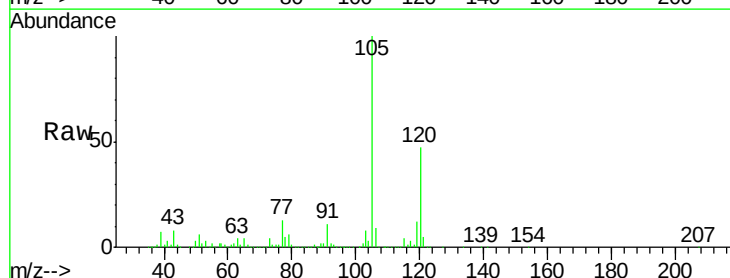
Acq: 09 Jul 2020 18:50

Tgt Ion:105 Resp: 294591

Ion Ratio Lower Upper

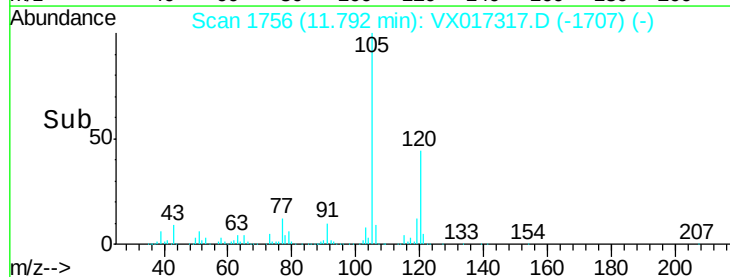
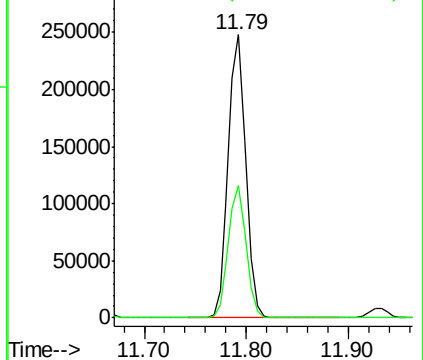
105 100

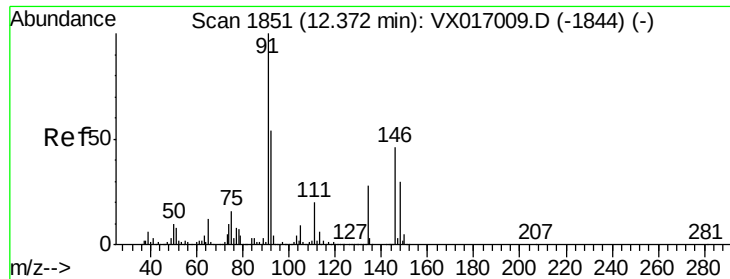
120 47.2 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 1.407 ug/l

RT: 12.37 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

E3-41-NHS

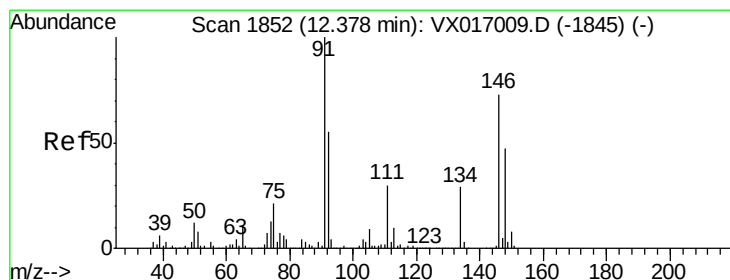
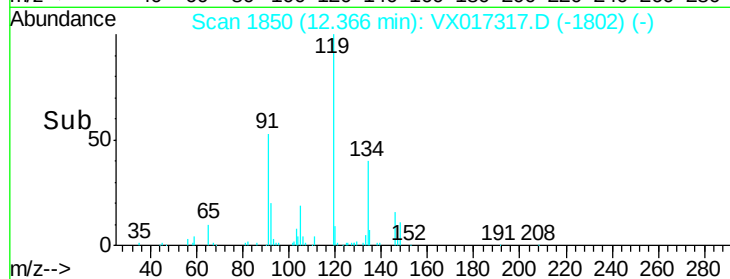
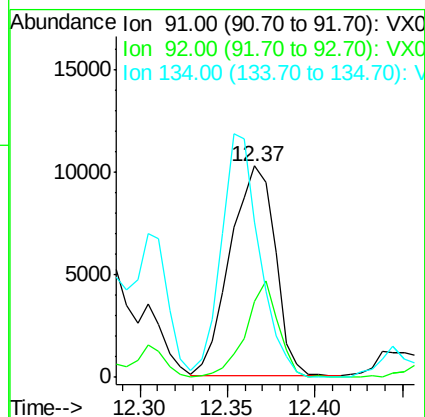
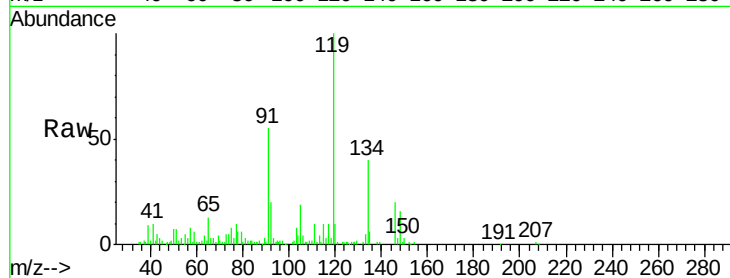
Tot Ion: 91 Resp: 18290

Ion Ratio Lower Upper

91 100

92 33.5 27.2 81.6

134 98.5 13.6 40.7#



#91

1,2-Dichlorobenzene

Concen: 1.408 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

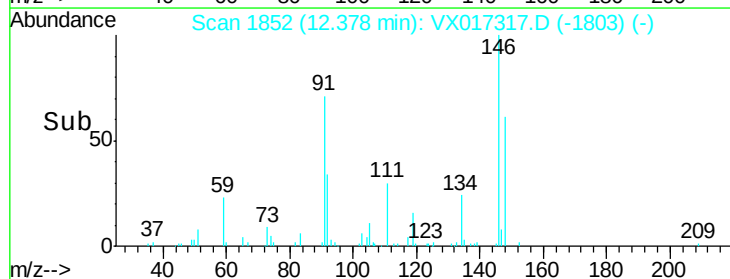
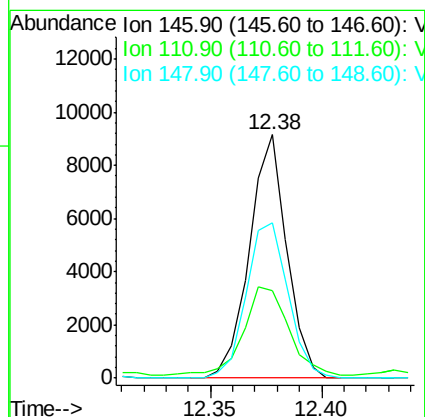
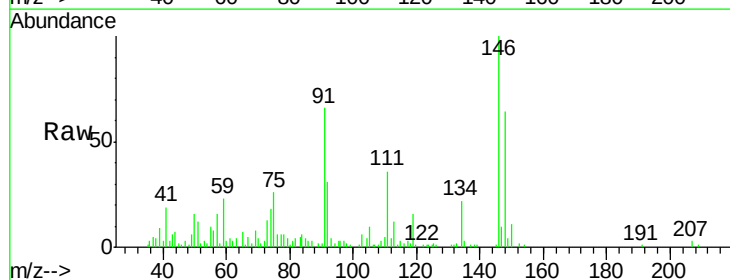
Tgt Ion: 146 Resp: 10738

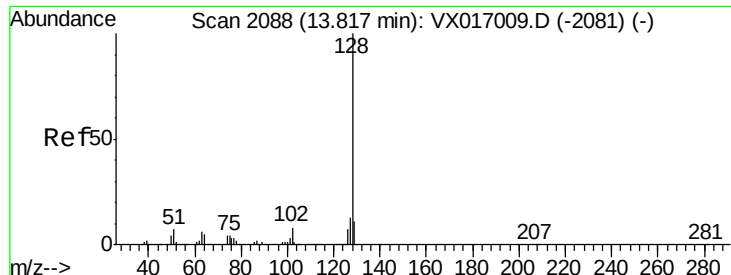
Ion Ratio Lower Upper

146 100

111 43.6 20.6 61.9

148 71.4 32.4 97.2





#95
Naphthalene
Concen: 2.710 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017317.D
Acq: 09 Jul 2020 18:50

Instrument :
MSVOA_X
ClientSampleId :
E3-41-NHS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.8	8.7	13.1

