

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016891.D
 Acq On : 19 Jun 2020 19:39
 Operator : JC/SP
 Sample : L3020-25
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB_061720

Quant Time: Jun 22 05:41:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	247745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	397088	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	407845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215422	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	142517	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	5.46	113	123464	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.70	98	561058	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
62) 4-Bromofluorobenzene	11.12	95	217727	55.92	ug/l	0.00
Spiked Amount			Recovery	=	111.84%	

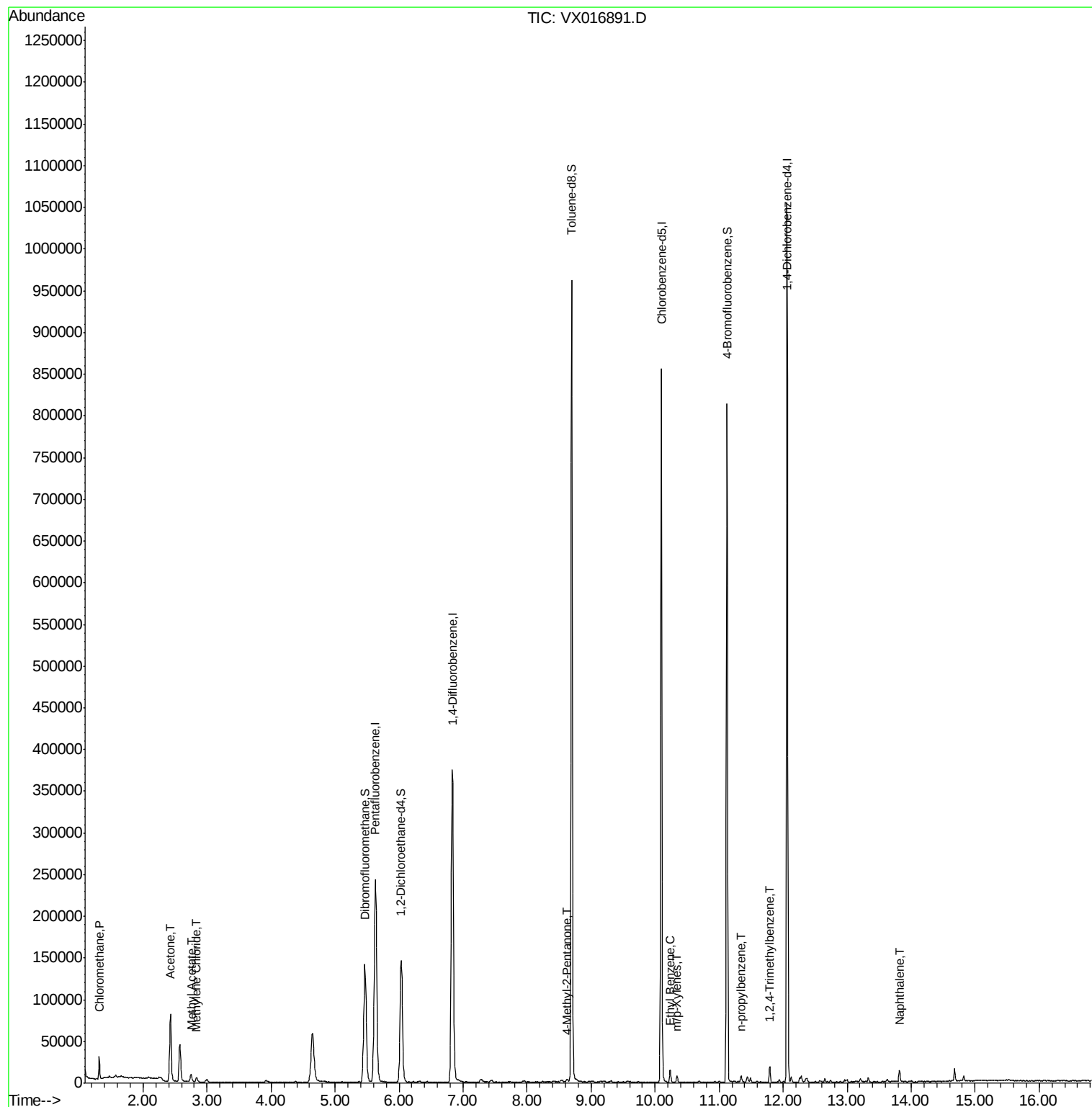
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	16227	5.264	ug/l	97
16) Acetone	2.42	43	15747	14.558	ug/l	99
18) Methyl Acetate	2.75	43	10163	3.695	ug/l	100
20) Methylene Chloride	2.84	84	2935	1.132	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	2292	0.674	ug/l	99
67) Ethyl Benzene	10.24	91	8041	0.577	ug/l	100
68) m/p-Xylenes	10.34	106	1895	0.349	ug/l	97
78) n-propylbenzene	11.34	91	4064	0.263	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	8015	0.650	ug/l	91
95) Naphthalene	13.82	128	9515	0.723	ug/l	98

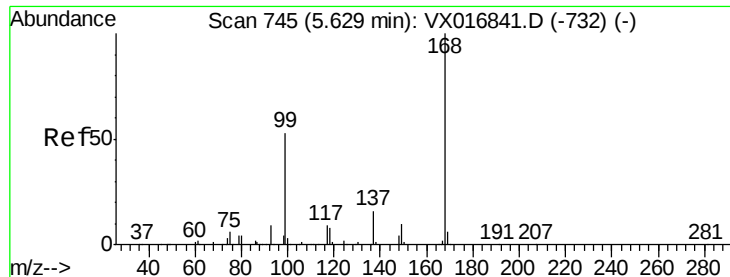
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 22 05:41:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 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: VX016891.D

Acq: 19 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

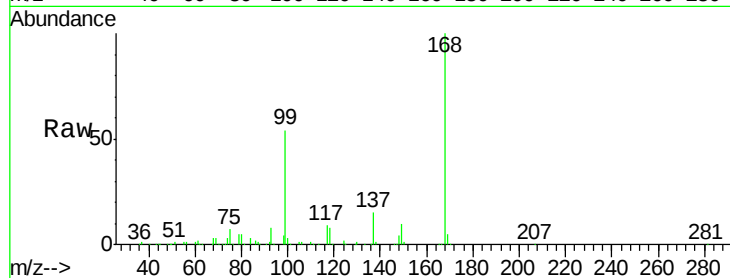
FB_061720

Tot Ion:168 Resp: 247745

Ion Ratio Lower Upper

168 100

99 53.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

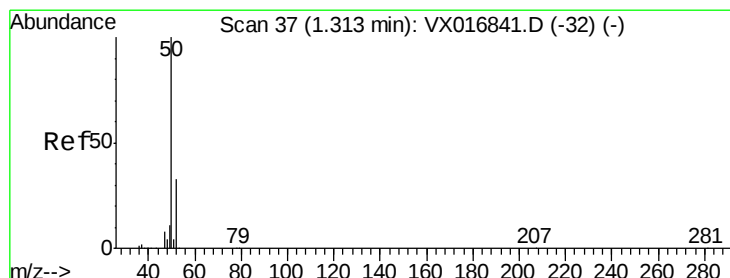
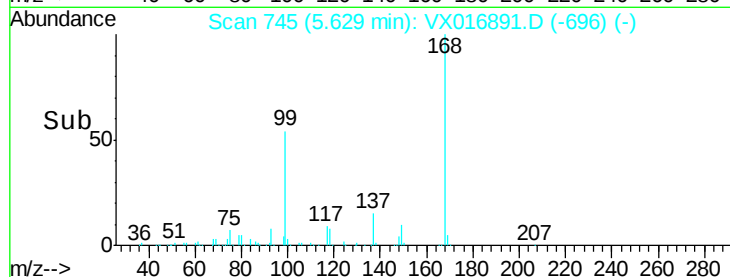
40000

20000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 5.264 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016891.D

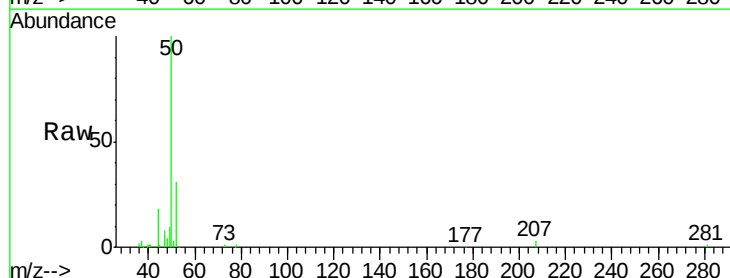
Acq: 19 Jun 2020 19:39

Tgt Ion: 50 Resp: 16227

Ion Ratio Lower Upper

50 100

52 30.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

20000

15000

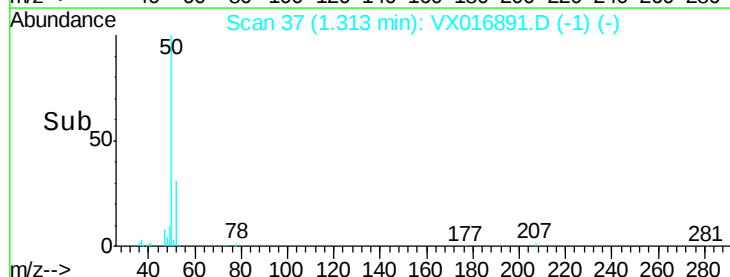
10000

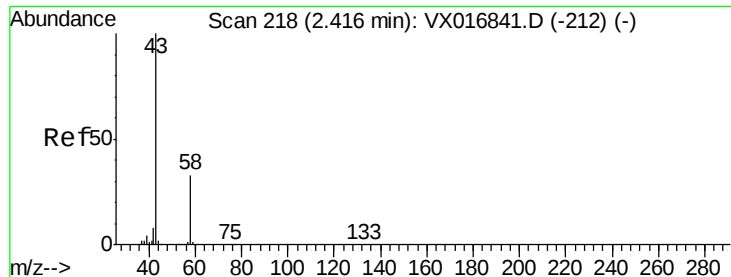
5000

0

1.25 1.30 1.35

Time-->





#16

Acetone

Concen: 14.558 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016891.D

Acq: 19 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampled :

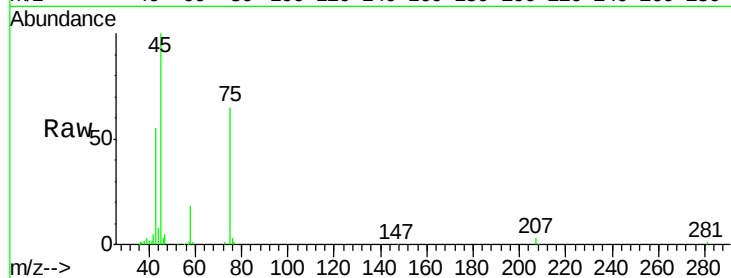
FB_061720

Tot Ion: 43 Resp: 15747

Ion Ratio Lower Upper

43 100

58 32.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

10000

8000

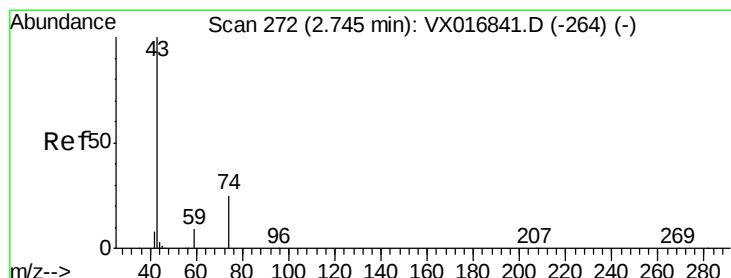
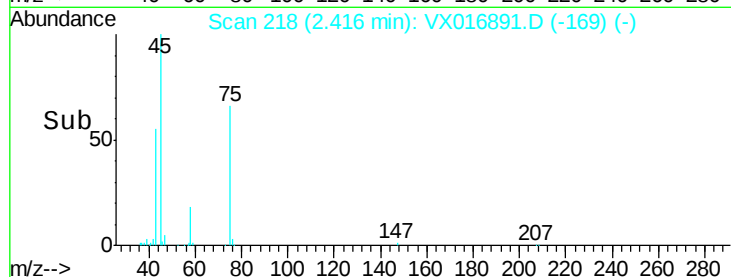
6000

4000

2000

0

Time--> 2.30 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 3.695 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016891.D

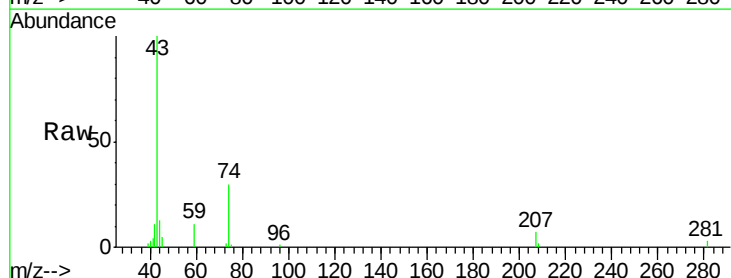
Acq: 19 Jun 2020 19:39

Tgt Ion: 43 Resp: 10163

Ion Ratio Lower Upper

43 100

74 27.5 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

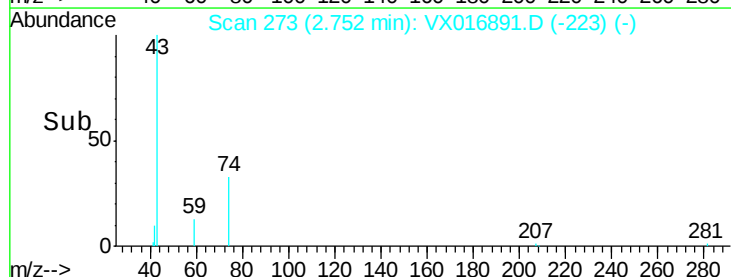
6000

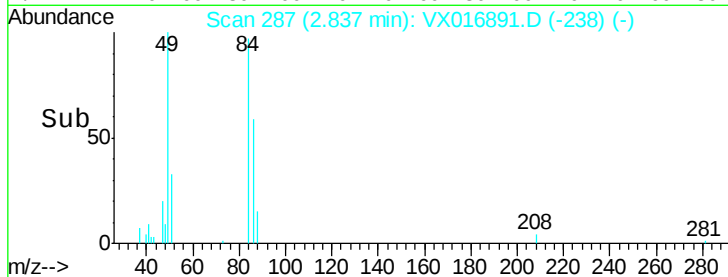
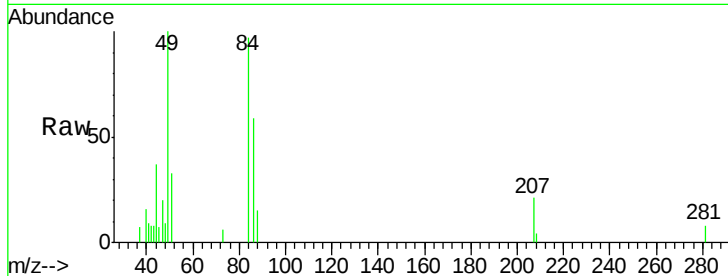
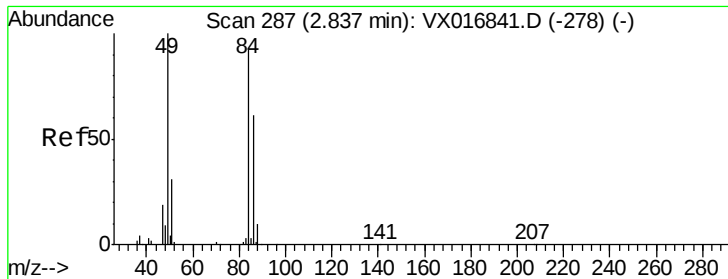
4000

2000

0

Time--> 2.70 2.75 2.80

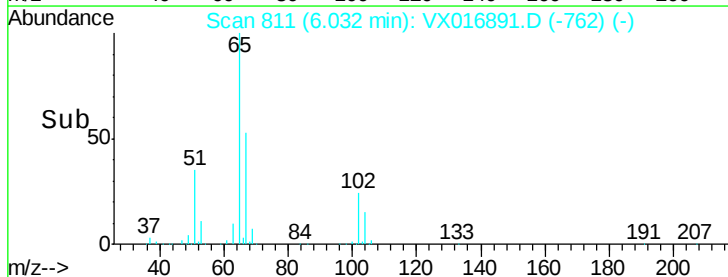
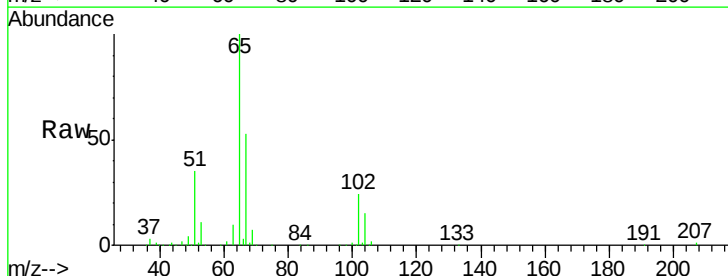
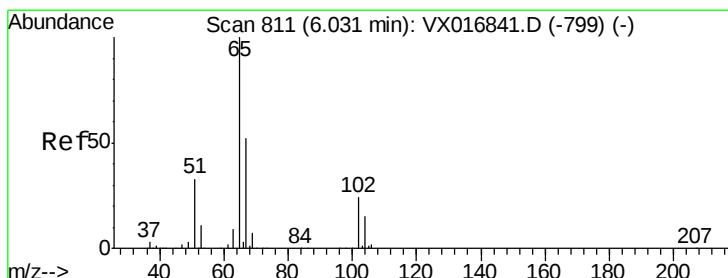
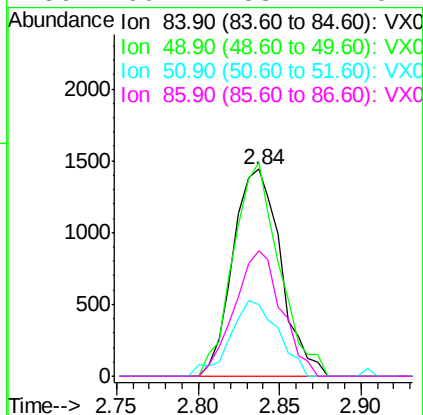




#20
Methvlene Chloride
Concen: 1.132 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016891.D
Acq: 19 Jun 2020 19:39

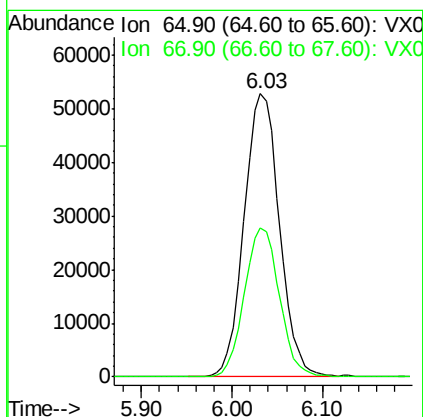
Instrument :
MSVOA_X
ClientSampleId :
FB_061720

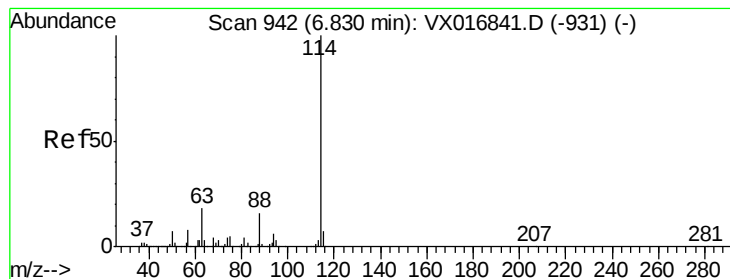
Tot Ion:	84	Resp:	2935
Ion	Ratio	Lower	Upper
84	100		
49	103.2	86.6	129.8
51	34.4	27.1	40.7
86	60.4	53.1	79.7



#33
1,2-Dichloroethane-d4
Concen: 47.831 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016891.D
Acq: 19 Jun 2020 19:39

Tgt Ion:	65	Resp:	142517
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016891.D

Acq: 19 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

FB_061720

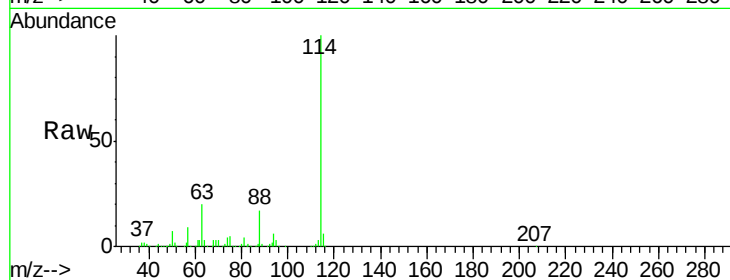
Tot Ion:114 Resp: 397088

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.0

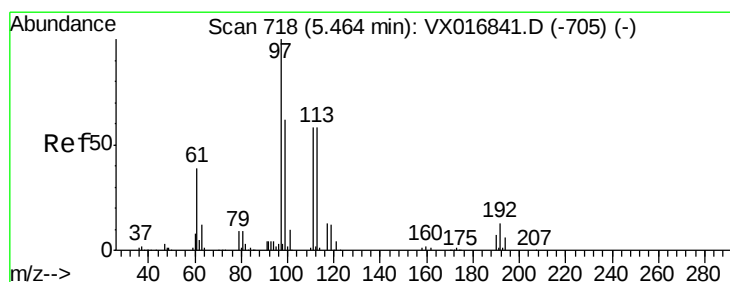
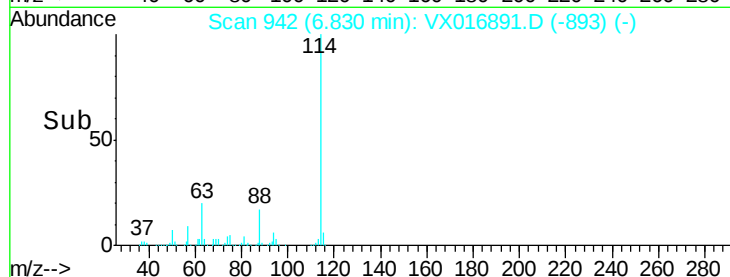
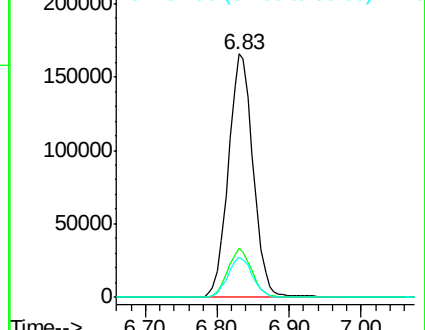
88 16.6 0.0 32.0



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: 48.605 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016891.D

Acq: 19 Jun 2020 19:39

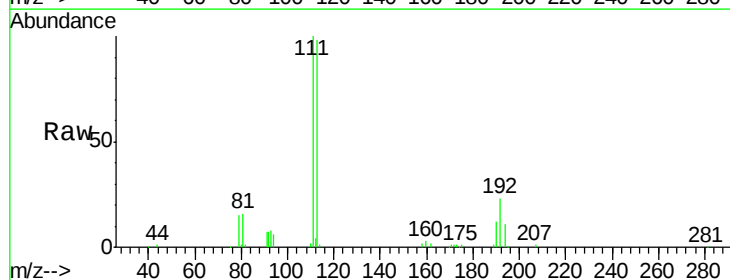
Tgt Ion:113 Resp: 123464

Ion Ratio Lower Upper

113 100

111 102.4 81.0 121.4

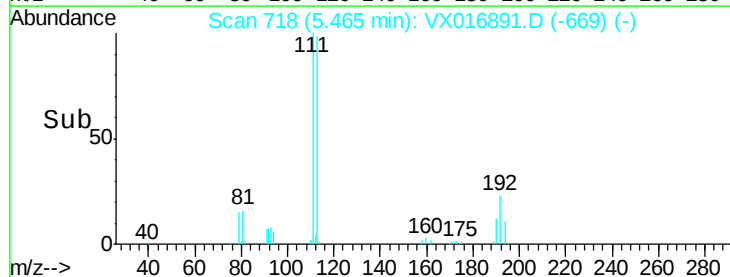
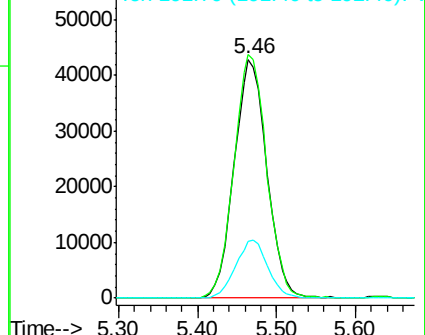
192 23.9 18.5 27.7

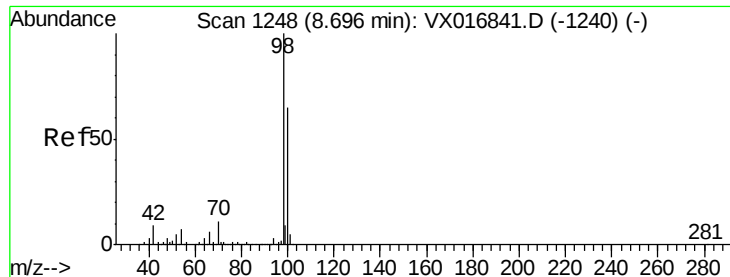


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

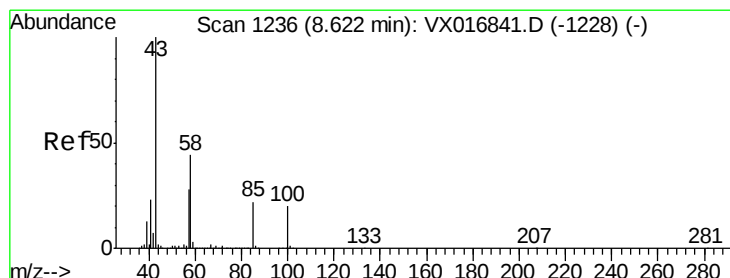
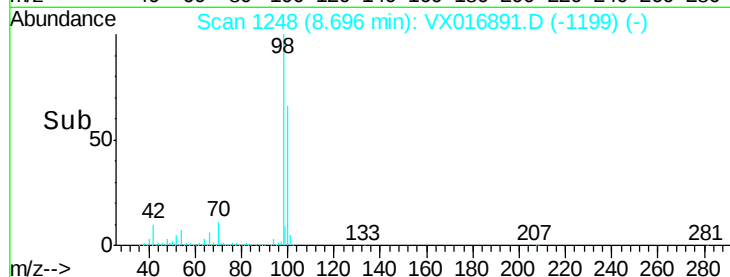
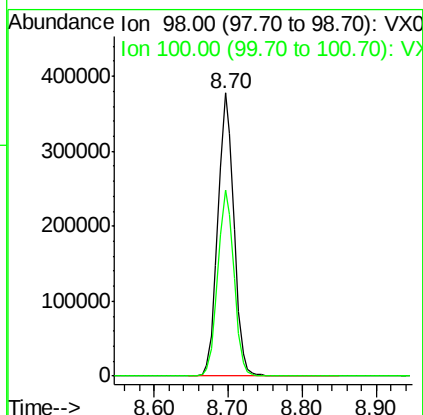
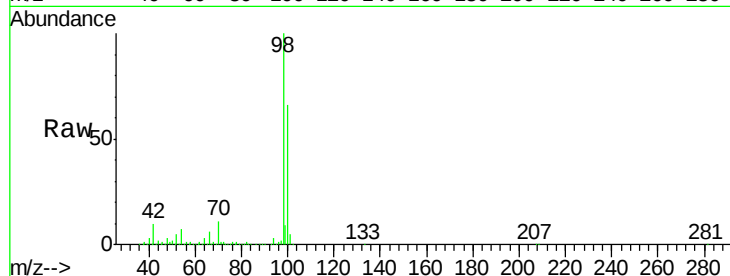




#50
Toluene-d8
Concen: 55.207 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016891.D
Acq: 19 Jun 2020 19:39

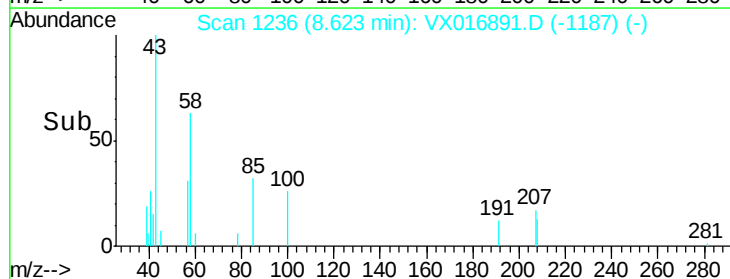
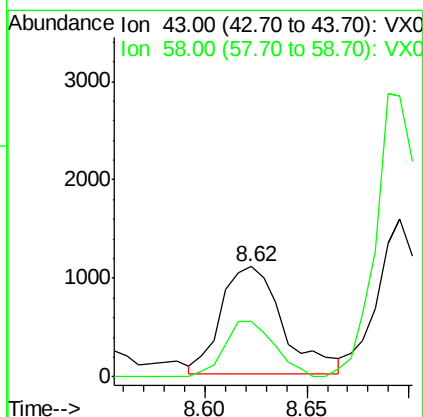
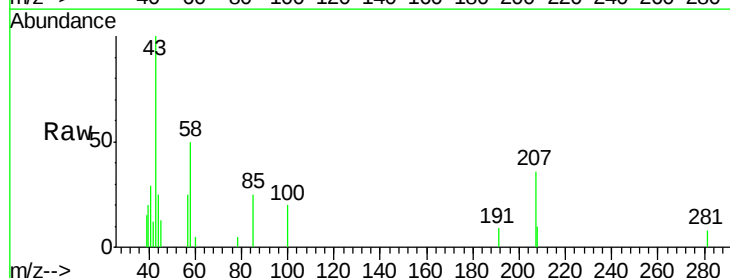
Instrument :
MSVOA_X
ClientSampled :
FB_061720

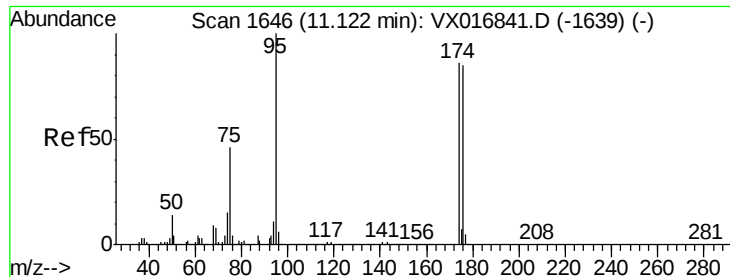
Tot Ion: 98 Resp: 561058
Ion Ratio Lower Upper
98 100
100 66.3 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.674 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016891.D
Acq: 19 Jun 2020 19:39

Tgt Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
58 42.2 34.3 51.5





#62

4-Bromofluorobenzene

Concen: 55.916 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016891.D

Acq: 19 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

FB_061720

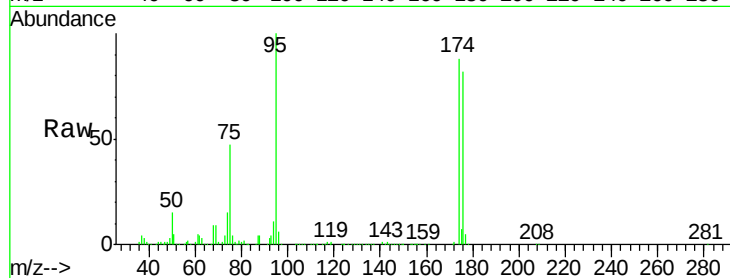
Tot Ion: 95 Resp: 217727

Ion Ratio Lower Upper

95 100

174 85.6 0.0 174.2

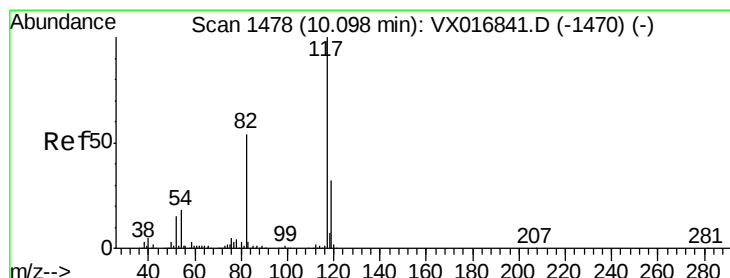
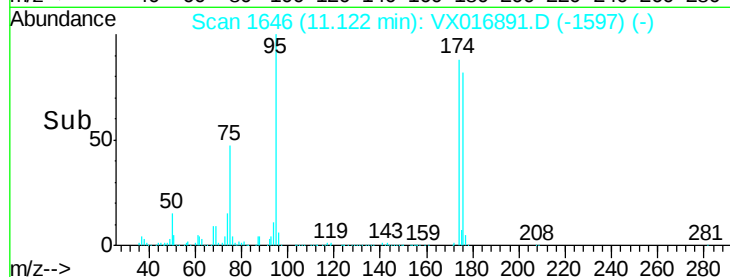
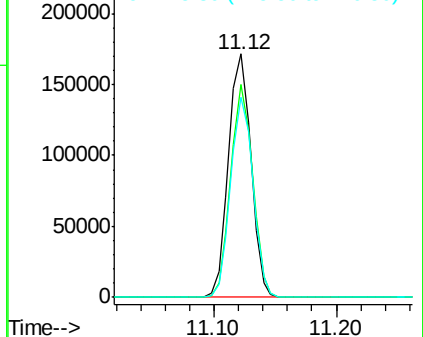
176 82.0 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016891.D

Acq: 19 Jun 2020 19:39

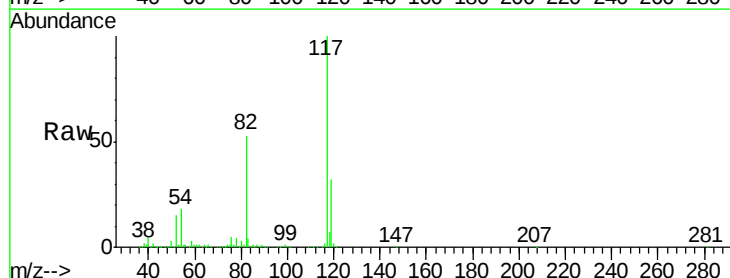
Tgt Ion: 117 Resp: 407845

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

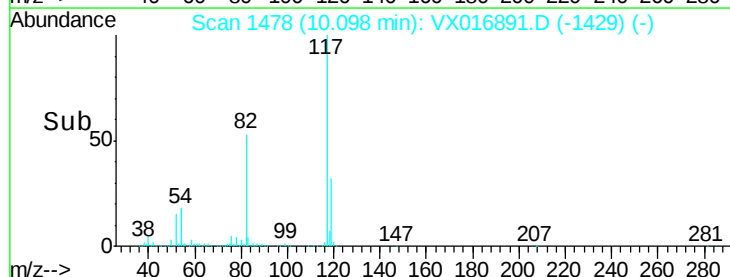
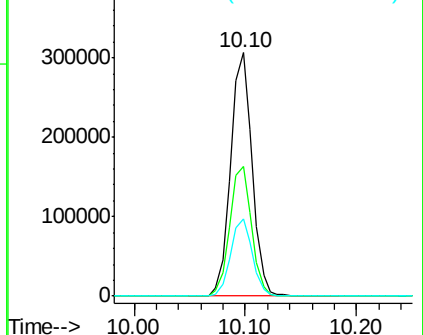
119 31.8 25.7 38.5

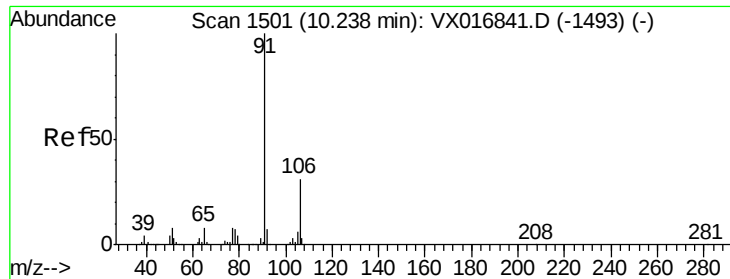


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.577 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016891.D

Acq: 19 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

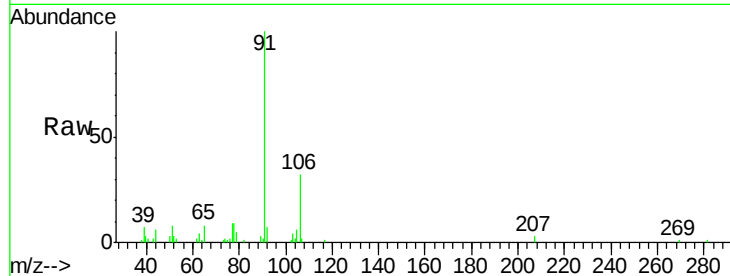
FB_061720

Tot Ion: 91 Resp: 8041

Ion Ratio Lower Upper

91 100

106 31.6 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016891.D (-1452) (-)

Ion 106.00 (105.70 to 106.70): VX016891.D (-1452) (-)

10.24

6000

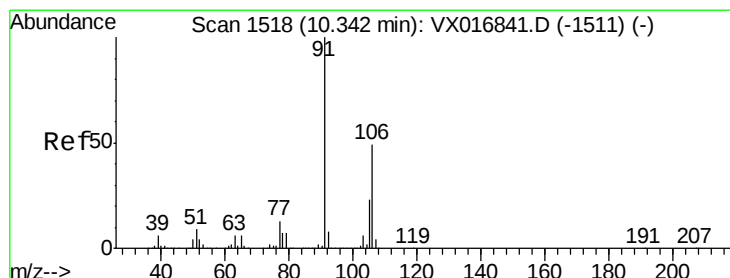
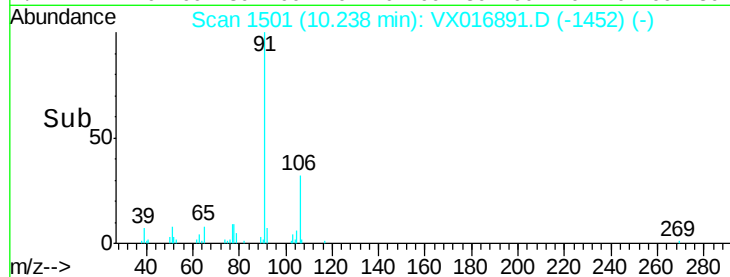
4000

2000

0

Time-->

10.20 10.25



#68

m/p-Xylenes

Concen: 0.349 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016891.D

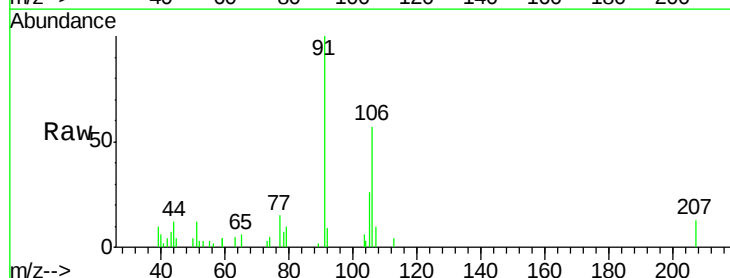
Acq: 19 Jun 2020 19:39

Tgt Ion: 106 Resp: 1895

Ion Ratio Lower Upper

106 100

91 197.5 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VX016891.D (-1469) (-)

Ion 91.00 (90.70 to 91.70): VX016891.D (-1469) (-)

10.34

2500

2000

1500

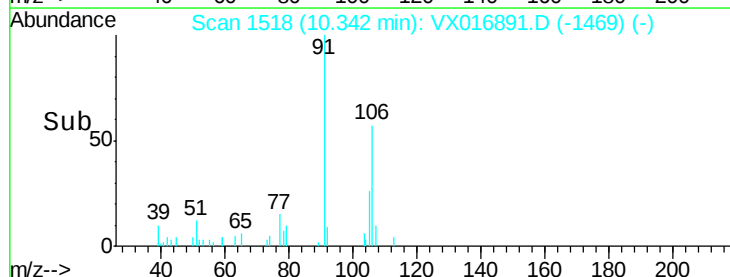
1000

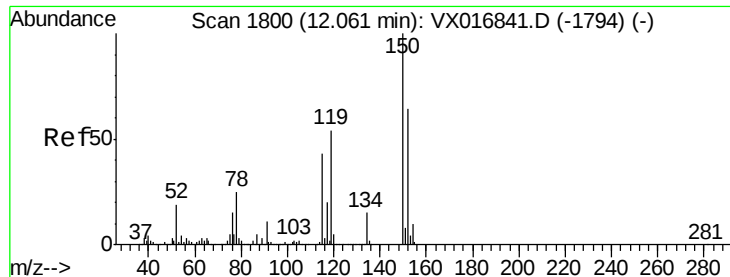
500

0

Time-->

10.30 10.35 10.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016891.D

Acq: 19 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

FB_061720

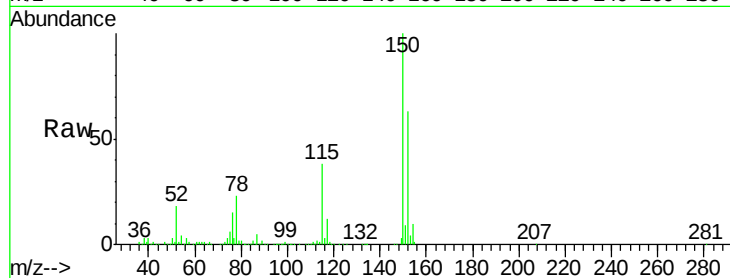
Tot Ion:152 Resp: 215422

Ion Ratio Lower Upper

152 100

115 58.7 40.9 122.8

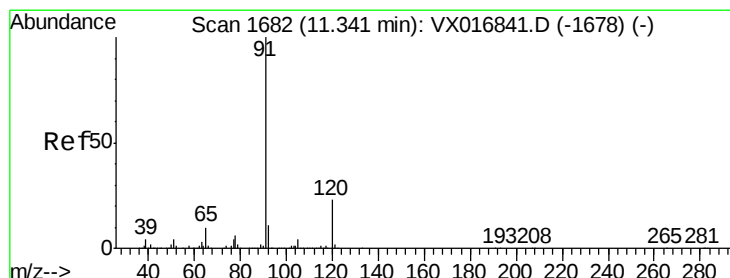
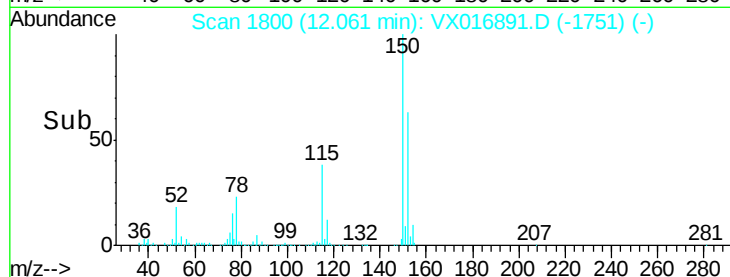
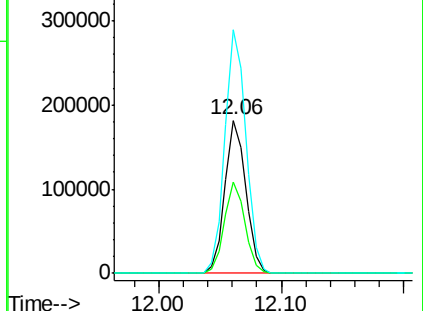
150 159.6 0.0 344.2



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: 0.263 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016891.D

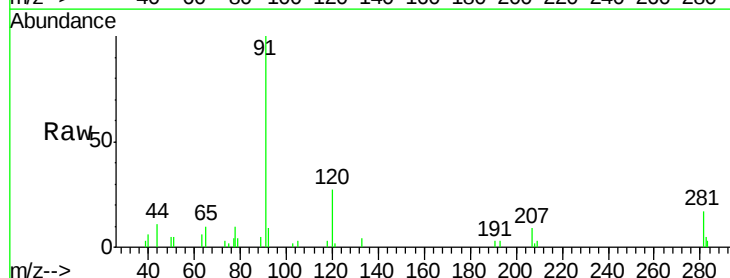
Acq: 19 Jun 2020 19:39

Tgt Ion: 91 Resp: 4064

Ion Ratio Lower Upper

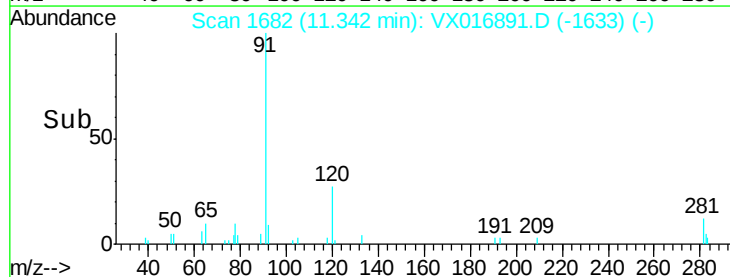
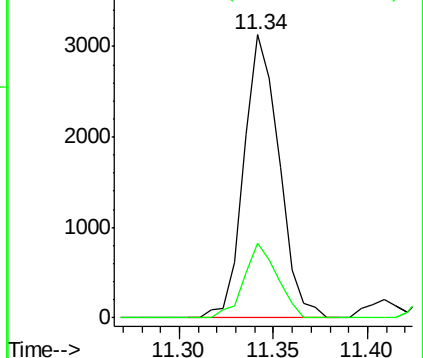
91 100

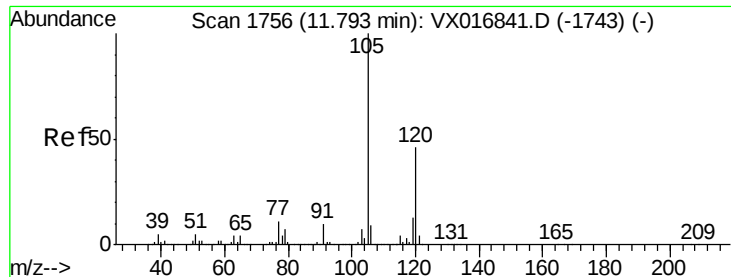
120 24.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

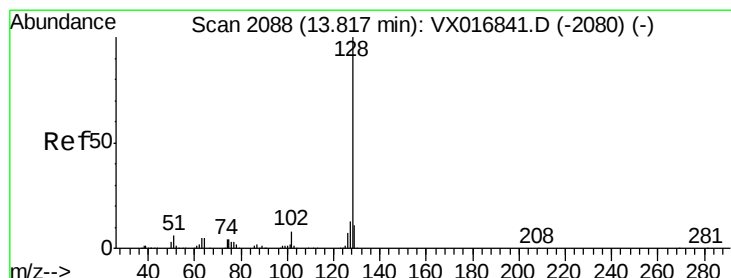
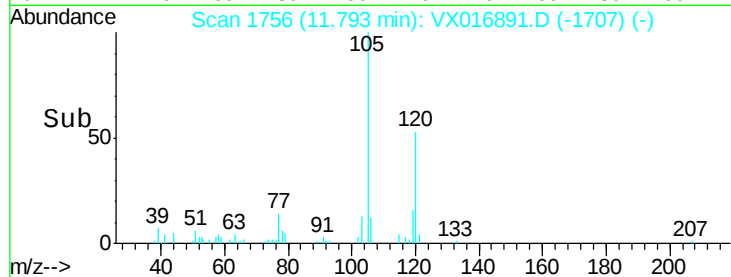
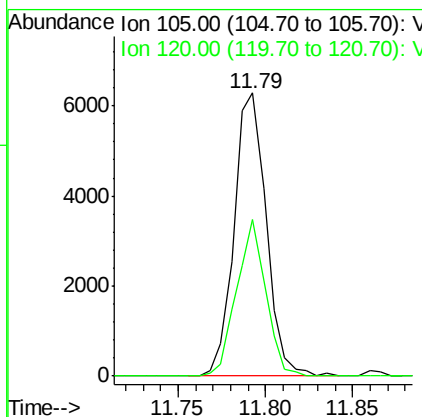
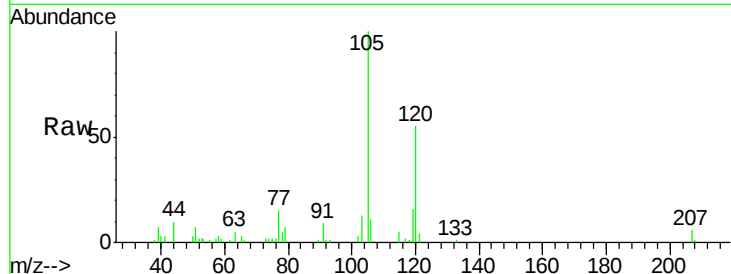




#84
 1,2,4-Trimethylbenzene
 Concen: 0.650 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX016891.D
 Acq: 19 Jun 2020 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 FB_061720

Tot Ion:105 Resp: 8015
 Ion Ratio Lower Upper
 105 100
 120 50.3 22.3 66.9



#95
 Naphthalene
 Concen: 0.723 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX016891.D
 Acq: 19 Jun 2020 19:39

Tgt Ion:128 Resp: 9515
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.4 15.6
 129 10.6 8.6 13.0

