

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016466.D
 Acq On : 27 May 2020 23:17
 Operator : JC/SP
 Sample : L2757-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0AP4

Quant Time: May 28 04:54:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	345956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	566240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	549534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	284810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	201812	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	5.47	113	166006	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	8.70	98	690582	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.12	95	307711	58.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.36%	

Target Compounds

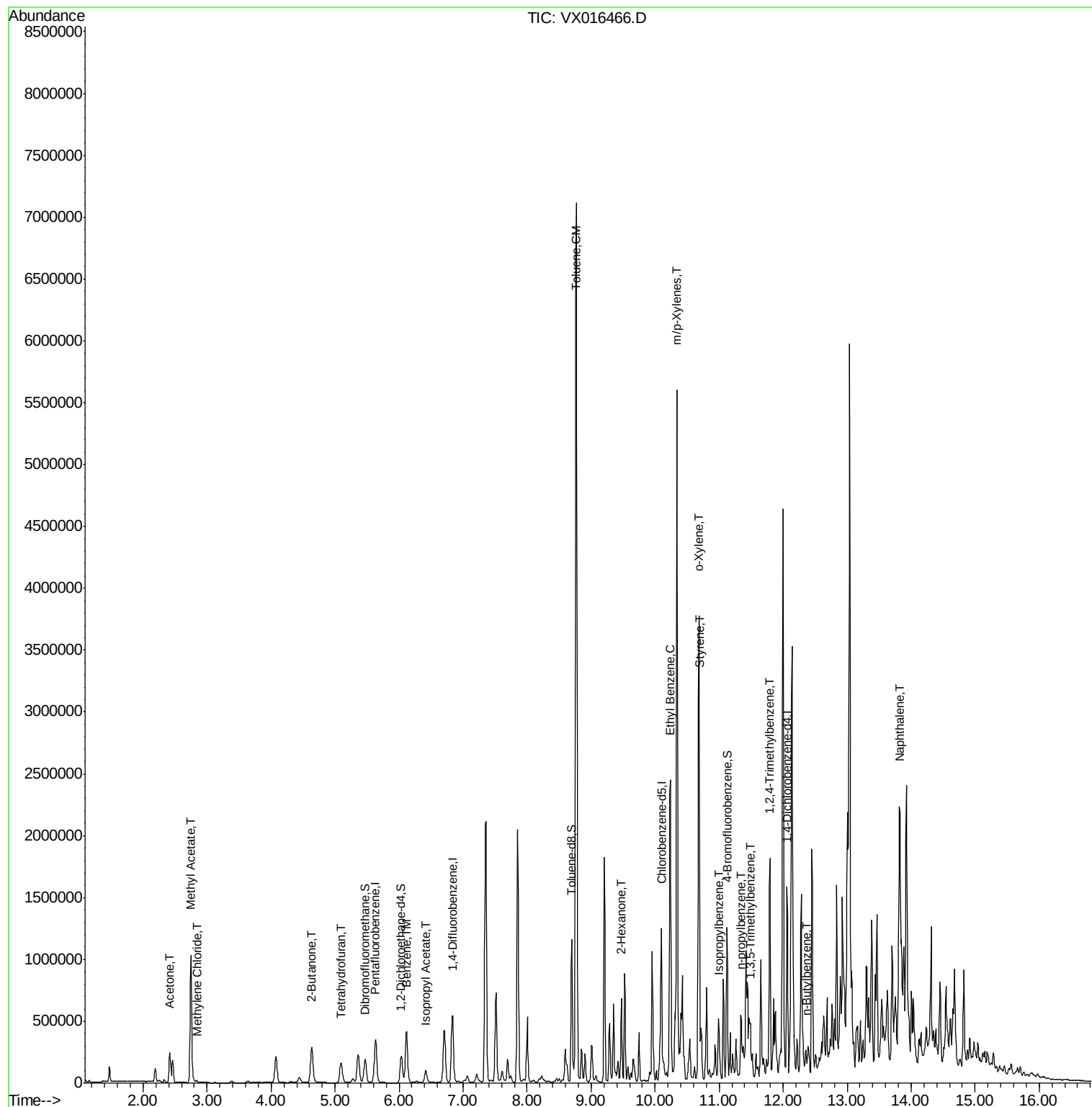
						Qvalue
16) Acetone	2.42	43	247113	131.281	ug/l	100
18) Methyl Acetate	2.75	43	1205801	249.763	ug/l	99
20) Methylene Chloride	2.83	84	7066	1.814	ug/l	90
25) 2-Butanone	4.64	43	516737	162.011	ug/l	98
29) Tetrahydrofuran	5.09	42	151999	73.765	ug/l	100
40) Benzene	6.12	78	499197	31.267	ug/l	99
43) Isopropyl Acetate	6.42	43	120137	11.966	ug/l	98
52) Toluene	8.77	92	2701102	268.294	ug/l	98
59) 2-Hexanone	9.47	43	341163	70.176	ug/l	99
67) Ethyl Benzene	10.24	91	1430420	71.711	ug/l	99
68) m/p-Xylenes	10.34	106	1275421	172.453	ug/l	100
69) o-Xylene	10.68	106	751606	104.937	ug/l	97
70) Styrene	10.70	104	194025	15.760	ug/l #	45
73) Isopropylbenzene	11.00	105	58436	2.961	ug/l	100
78) n-propylbenzene	11.34	91	207306	9.403	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	174893	10.614	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	668320	40.106	ug/l	100
89) n-Butylbenzene	12.37	91	36796	2.670	ug/l #	59
95) Naphthalene	13.82	128	957032	48.385	ug/l #	97

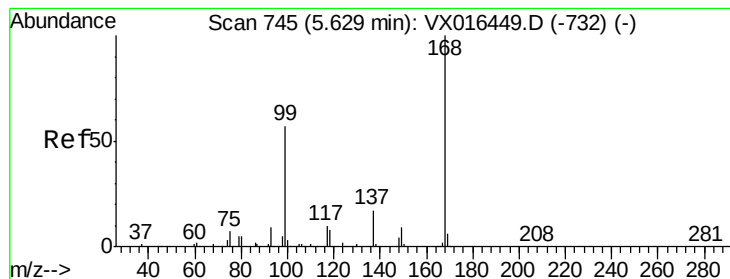
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

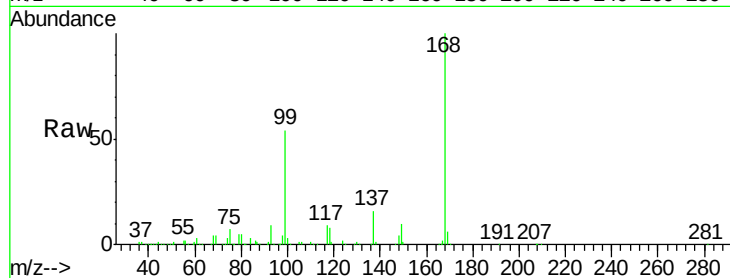
C0AP4

Tot Ion:168 Resp: 345956

Ion Ratio Lower Upper

168 100

99 54.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

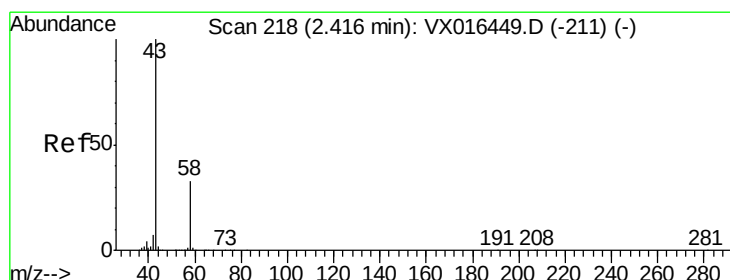
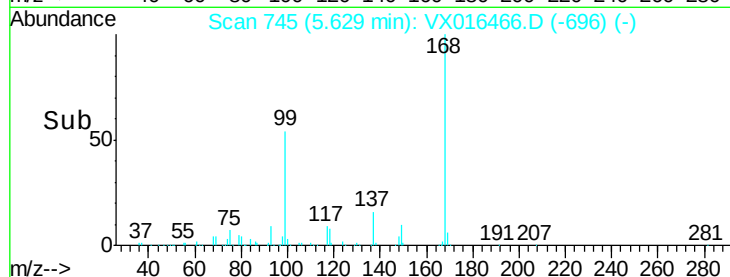
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 131.281 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016466.D

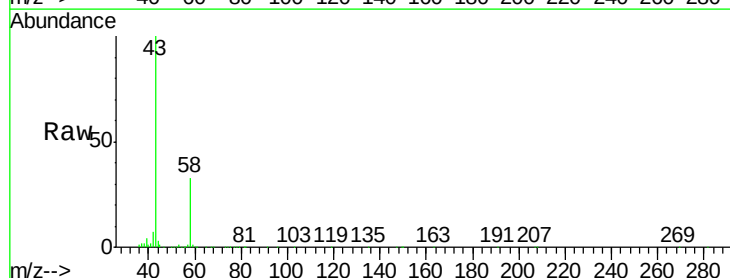
Acq: 27 May 2020 23:17

Tgt Ion: 43 Resp: 247113

Ion Ratio Lower Upper

43 100

58 32.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

150000

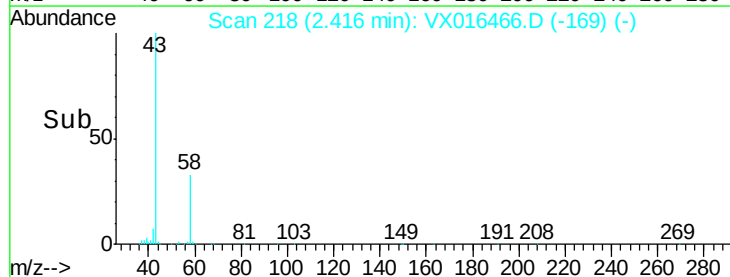
100000

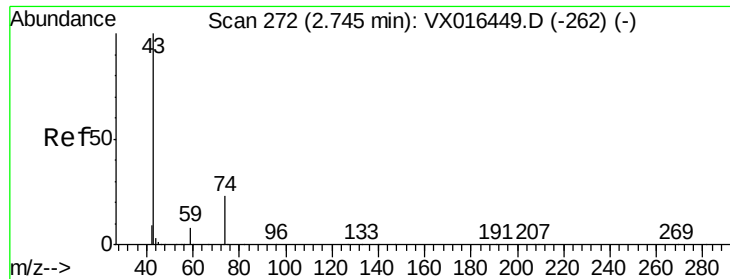
50000

0

Time-->

2.30 2.40 2.50

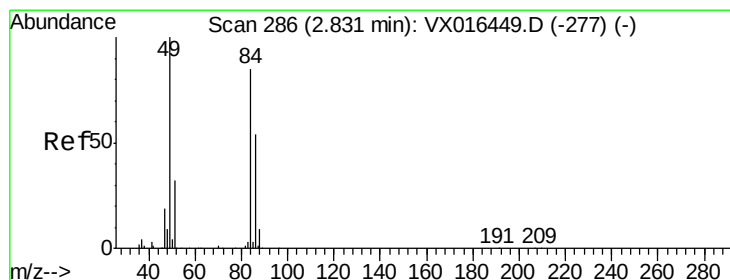
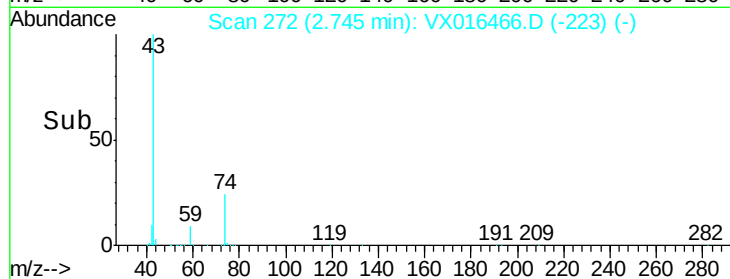
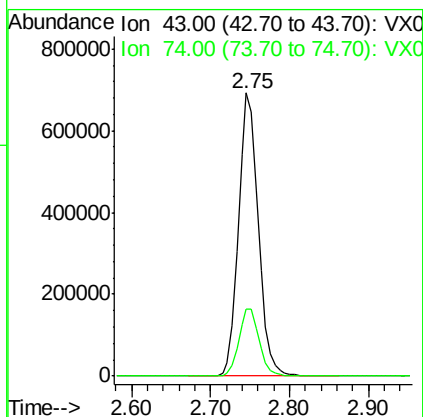
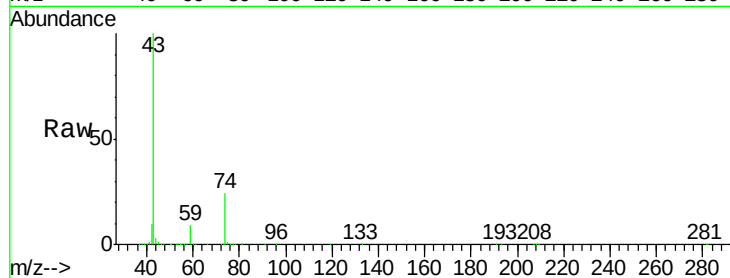




#18
Methvl Acetate
Concen: 249.763 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX016466.D
Acq: 27 May 2020 23:17

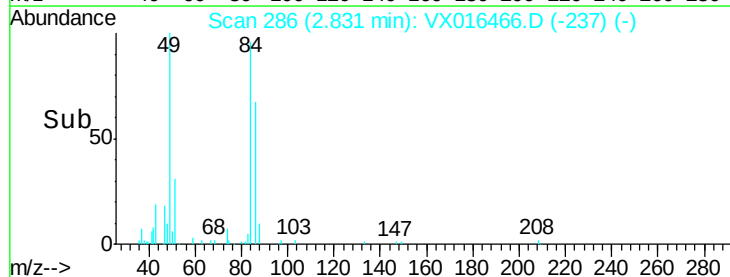
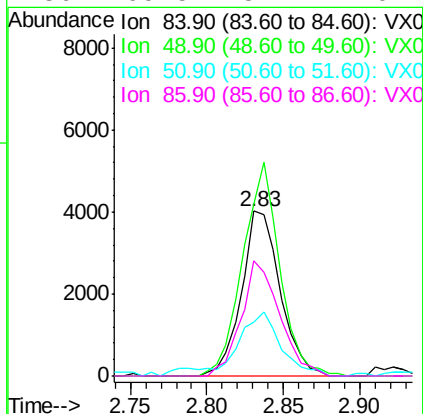
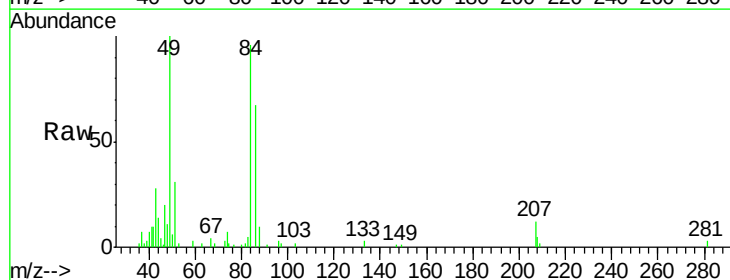
Instrument :
MSVOA_X
ClientSampleId :
C0AP4

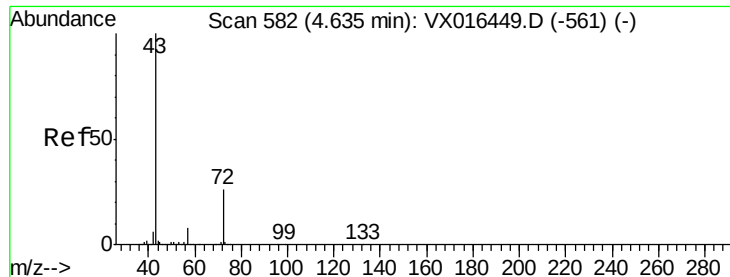
Tot Ion: 43 Resp: 1205801
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5



#20
Methylene Chloride
Concen: 1.814 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX016466.D
Acq: 27 May 2020 23:17

Tgt Ion: 84 Resp: 7066
Ion Ratio Lower Upper
84 100
49 104.2 94.5 141.7
51 32.8 30.2 45.4
86 69.5 51.1 76.7





#25

2-Butanone

Concen: 162.011 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

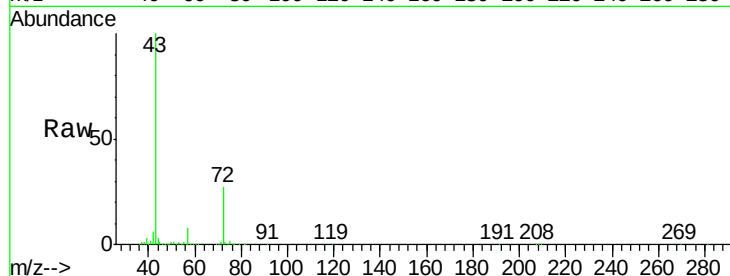
C0AP4

Tot Ion: 43 Resp: 516737

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.64

200000

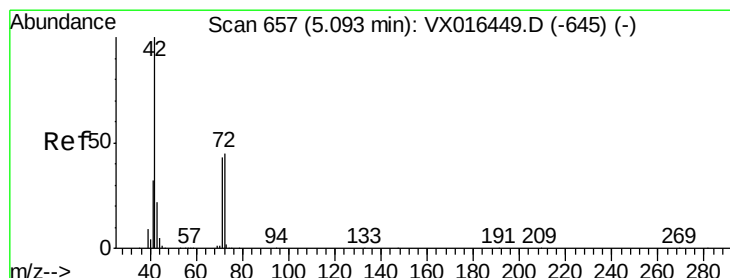
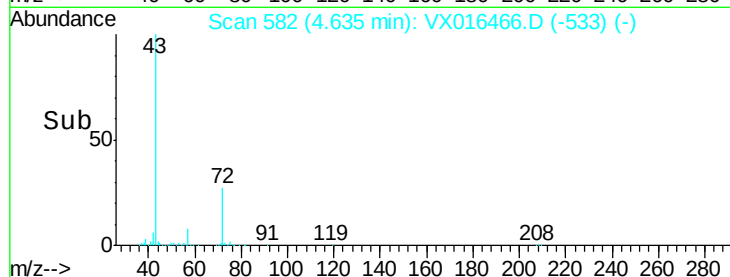
150000

100000

50000

0

Time-->



#29

Tetrahydrofuran

Concen: 73.765 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

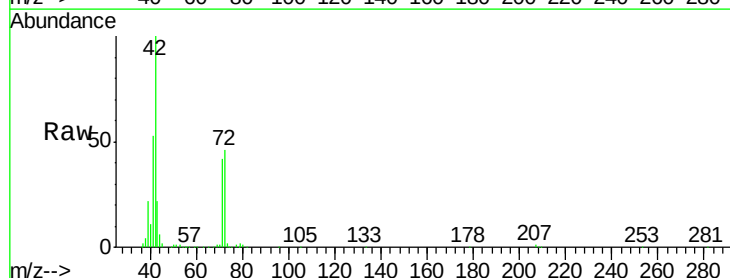
Tgt Ion: 42 Resp: 151999

Ion Ratio Lower Upper

42 100

72 46.3 37.0 55.4

71 42.2 34.1 51.1



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

5.09

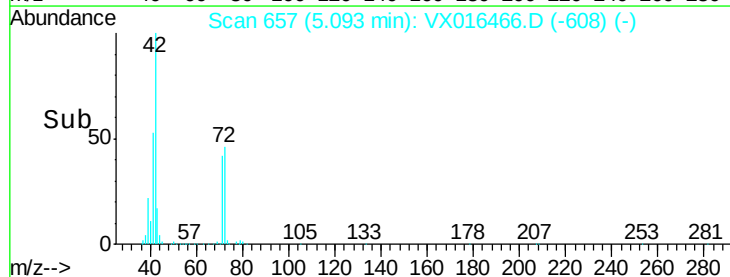
60000

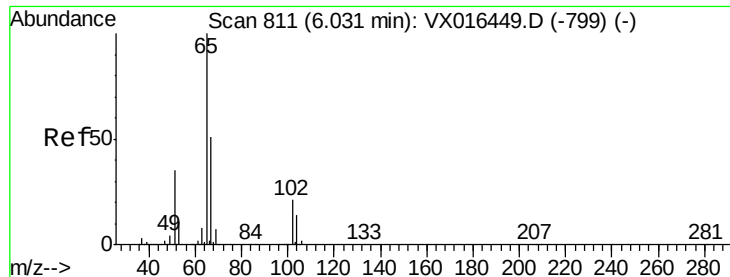
40000

20000

0

Time-->

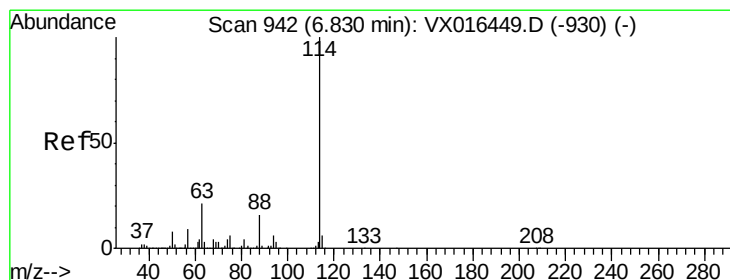
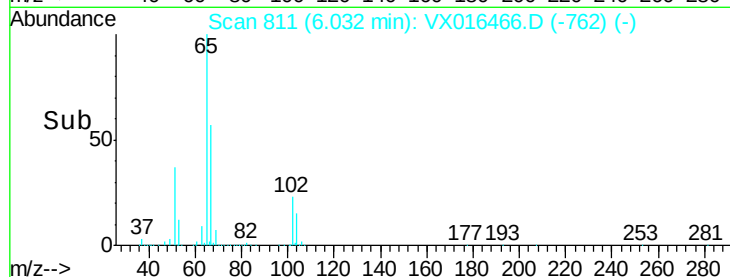
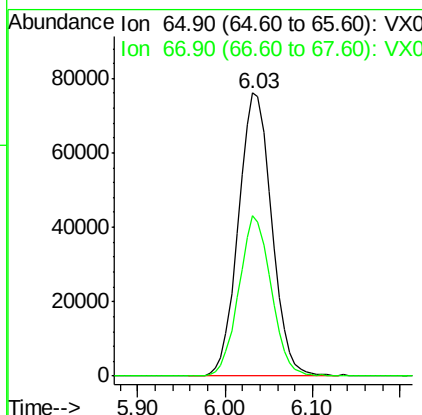
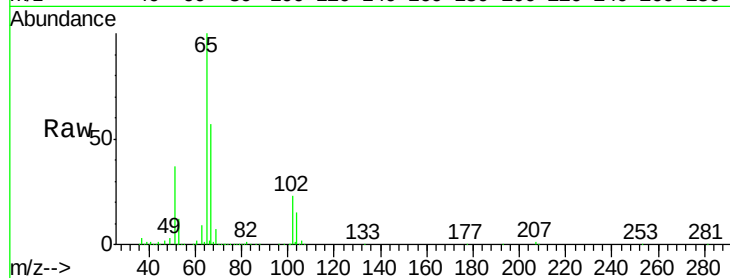




#33
 1,2-Dichloroethane-d4
 Concen: 46.973 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016466.D
 Acq: 27 May 2020 23:17

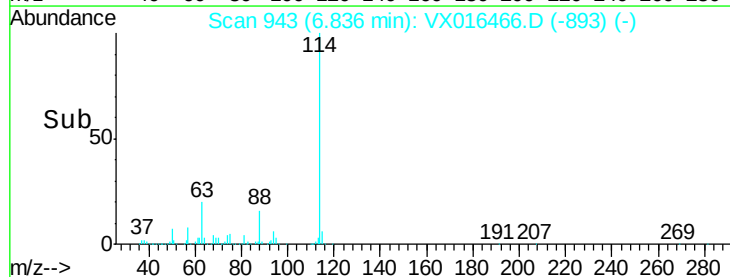
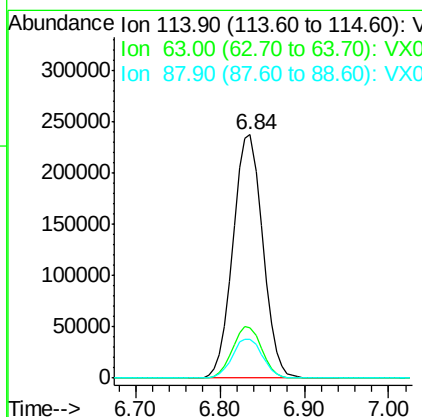
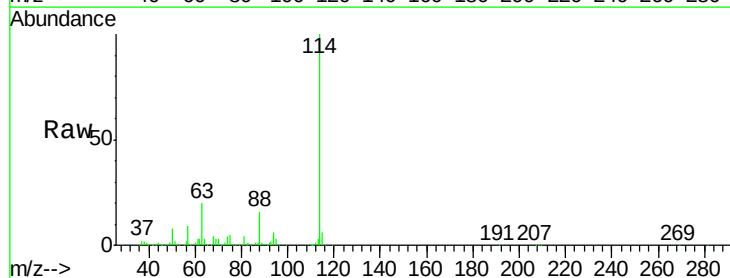
Instrument :
 MSVOA_X
 ClientSampleId :
 C0AP4

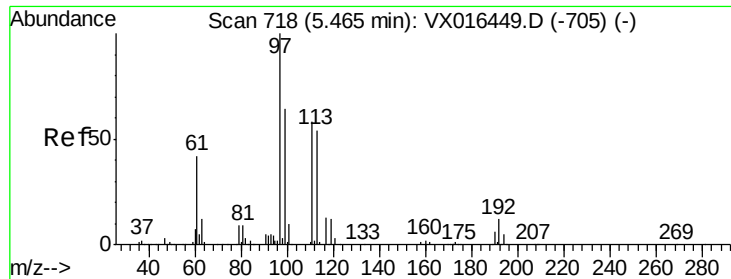
Tot Ion: 65 Resp: 201812
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016466.D
 Acq: 27 May 2020 23:17

Tgt Ion: 114 Resp: 566240
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.6
 88 16.1 0.0 32.8

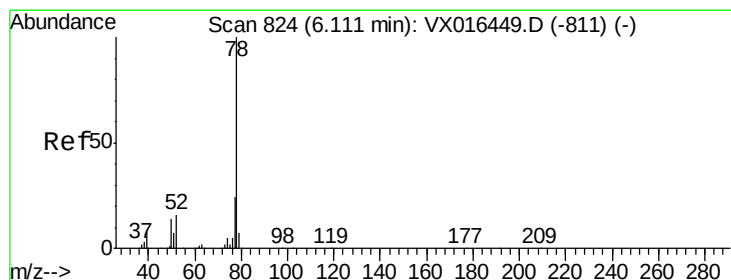
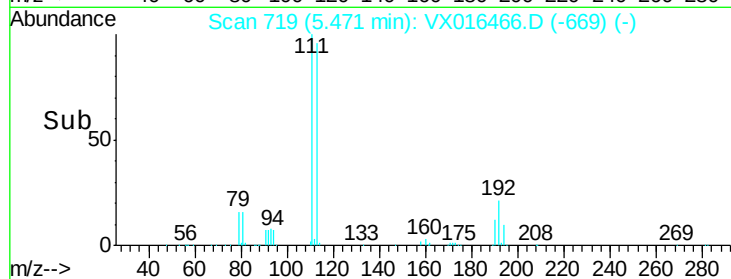
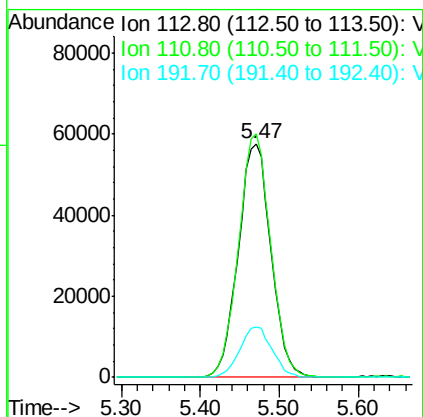
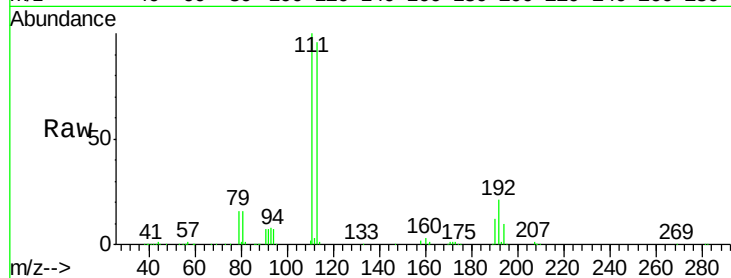




#35
 Dibromofluoromethane
 Concen: 47.613 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016466.D
 Acq: 27 May 2020 23:17

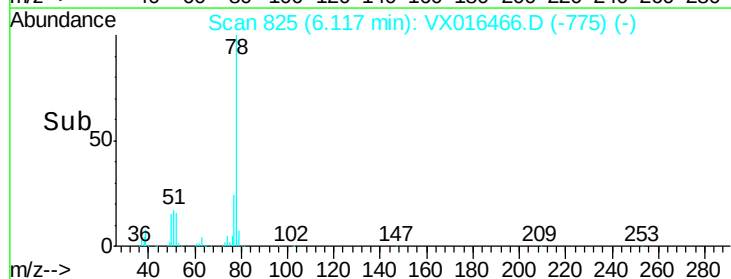
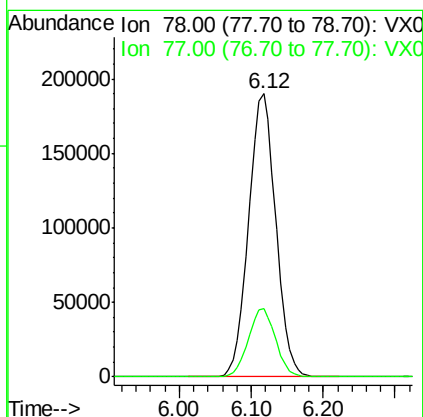
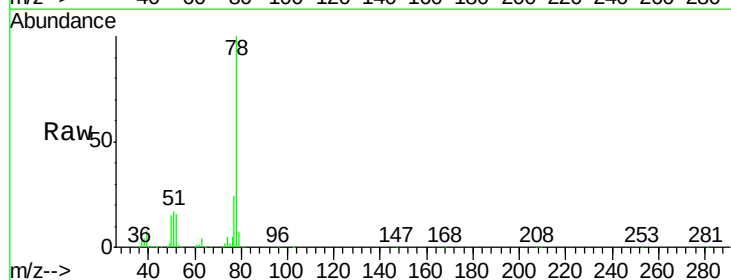
Instrument :
 MSVOA_X
 ClientSampleId :
 C0AP4

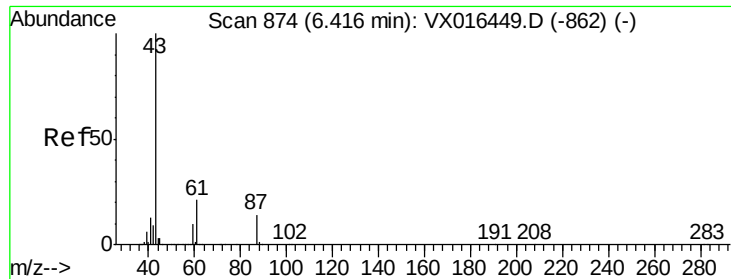
Tot Ion:113 Resp: 166006
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.6
 192 21.7 17.7 26.5



#40
 Benzene
 Concen: 31.267 ug/l
 RT: 6.12 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VX016466.D
 Acq: 27 May 2020 23:17

Tgt Ion: 78 Resp: 499197
 Ion Ratio Lower Upper
 78 100
 77 24.0 18.9 28.3





#43

Isopropyl Acetate

Concen: 11.966 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

C0AP4

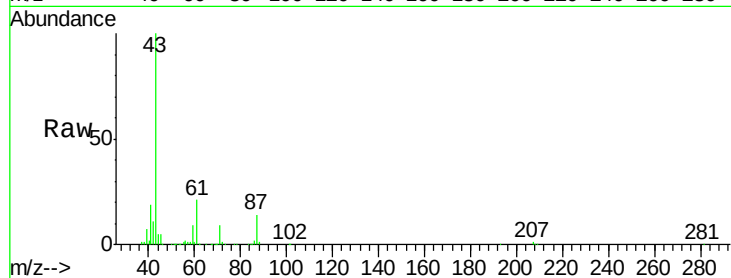
Tot Ion: 43 Resp: 120137

Ion Ratio Lower Upper

43 100

61 20.2 16.8 25.2

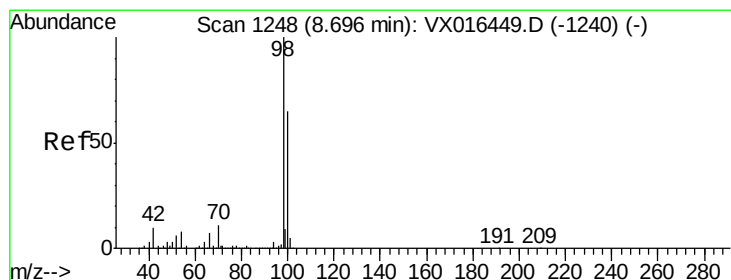
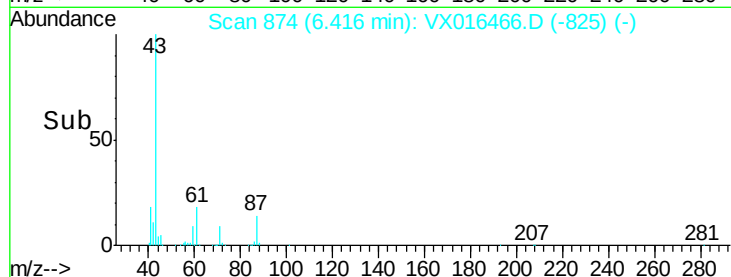
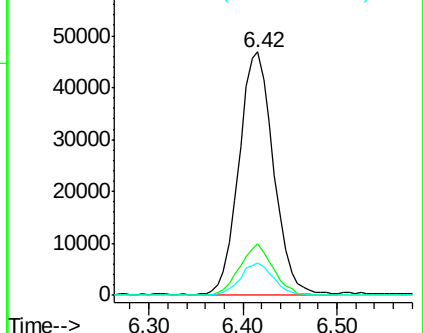
87 12.9 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 50.888 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016466.D

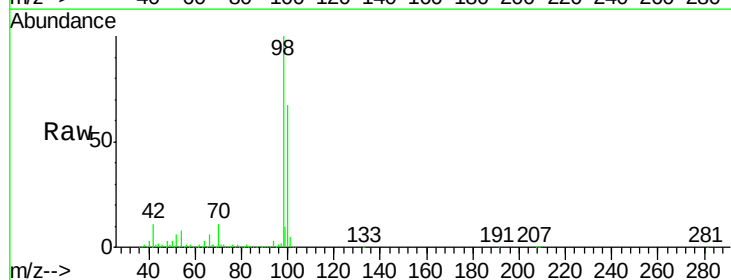
Acq: 27 May 2020 23:17

Tgt Ion: 98 Resp: 690582

Ion Ratio Lower Upper

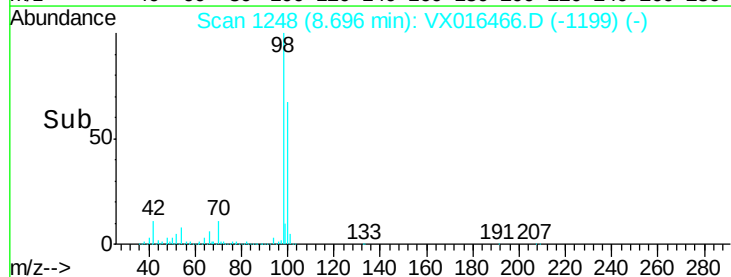
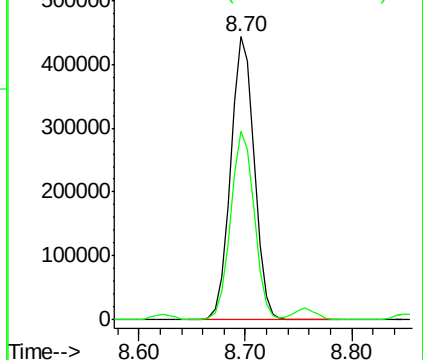
98 100

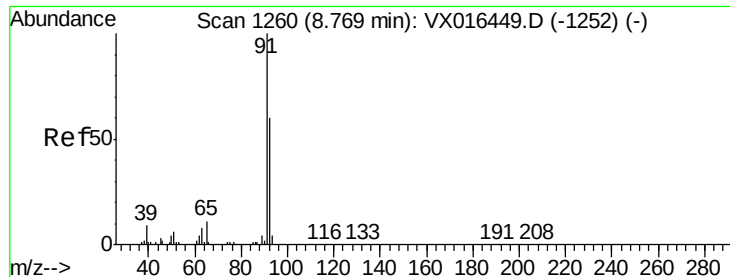
100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 268.294 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

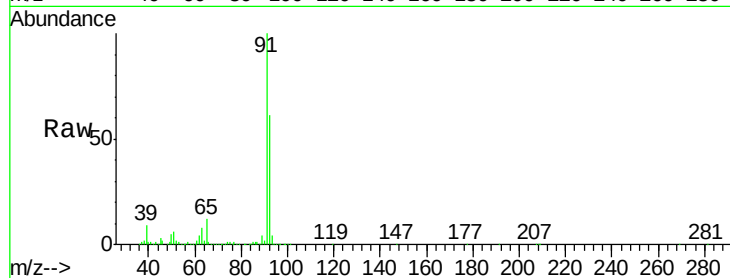
C0AP4

Tot Ion: 92 Resp: 2701102

Ion Ratio Lower Upper

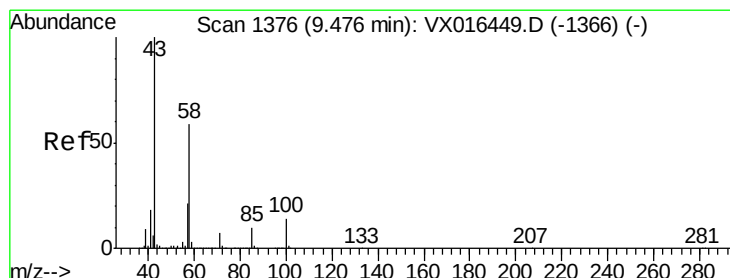
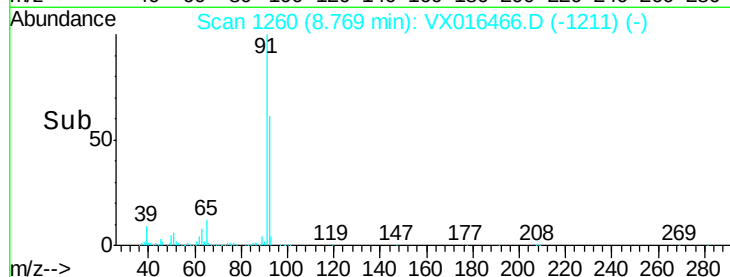
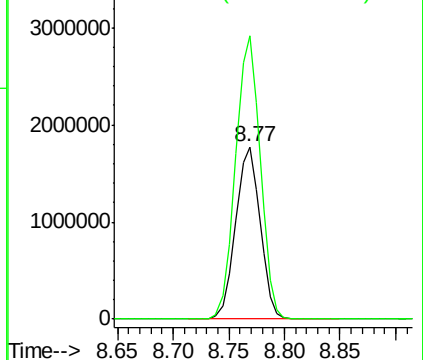
92 100

91 165.9 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 70.176 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VX016466.D

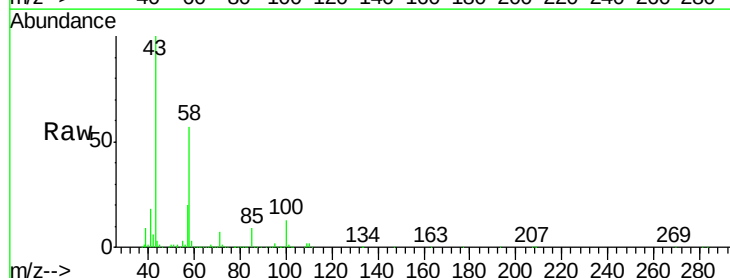
Acq: 27 May 2020 23:17

Tgt Ion: 43 Resp: 341163

Ion Ratio Lower Upper

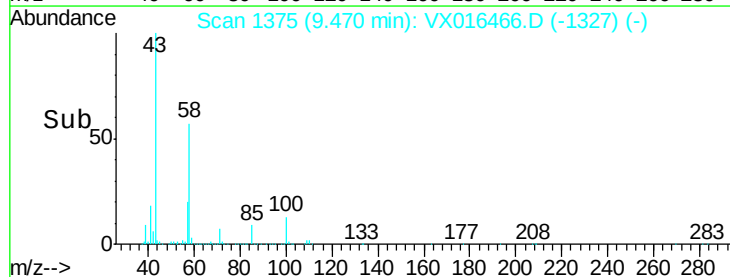
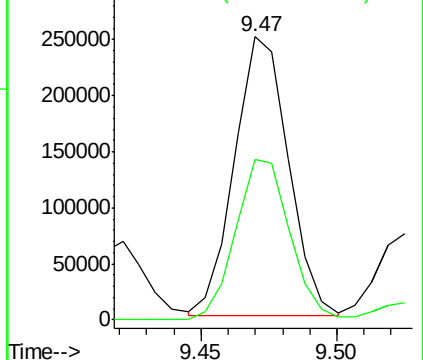
43 100

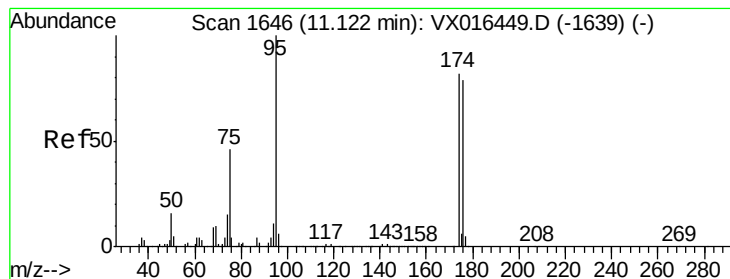
58 58.2 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 58.683 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampled :

C0AP4

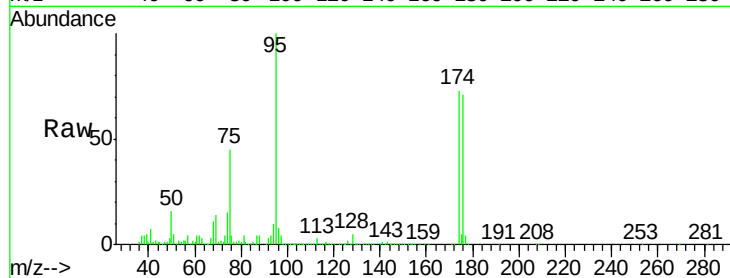
Tot Ion: 95 Resp: 307711

Ion Ratio Lower Upper

95 100

174 74.4 0.0 163.0

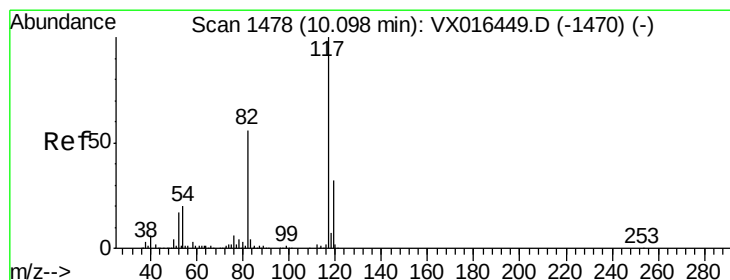
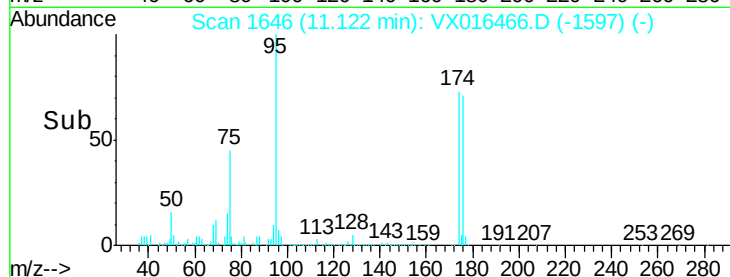
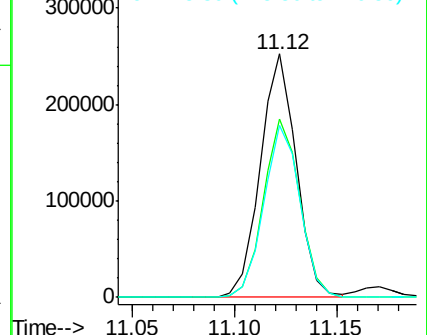
176 71.7 0.0 156.8



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: VX016466.D

Acq: 27 May 2020 23:17

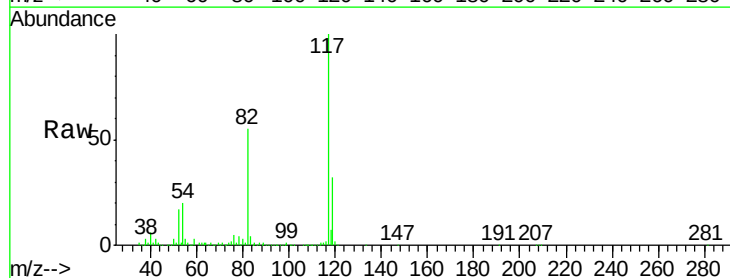
Tgt Ion: 117 Resp: 549534

Ion Ratio Lower Upper

117 100

82 55.2 45.0 67.6

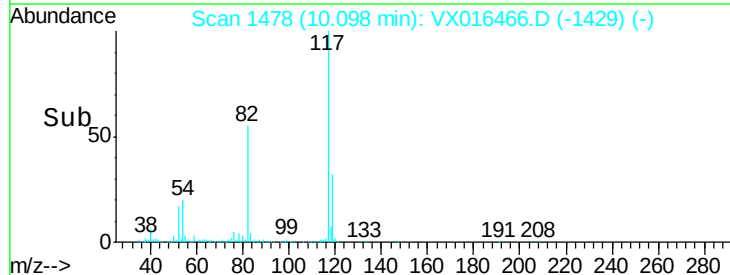
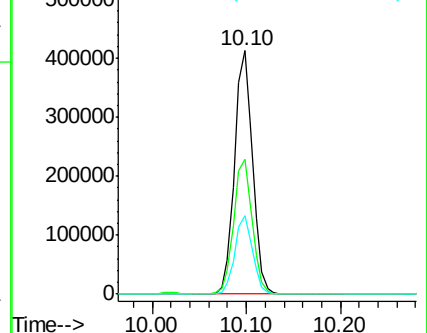
119 32.2 25.8 38.8

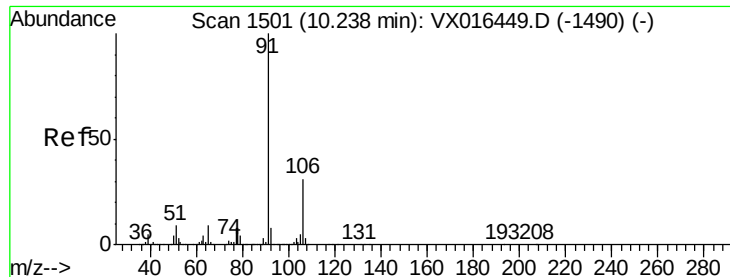


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 71.711 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

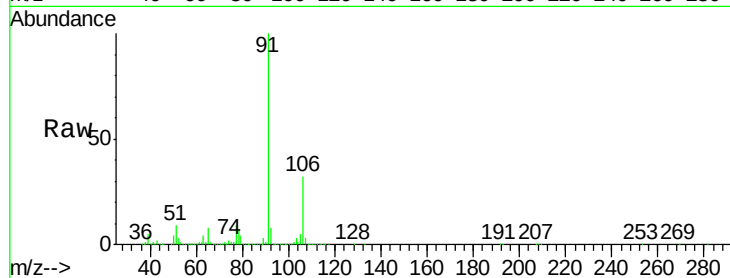
C0AP4

Tot Ion: 91 Resp: 1430420

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX016466.D (-1452) (-)

Ion 106.00 (105.70 to 106.70): VX016466.D (-1452) (-)

2000000

1500000

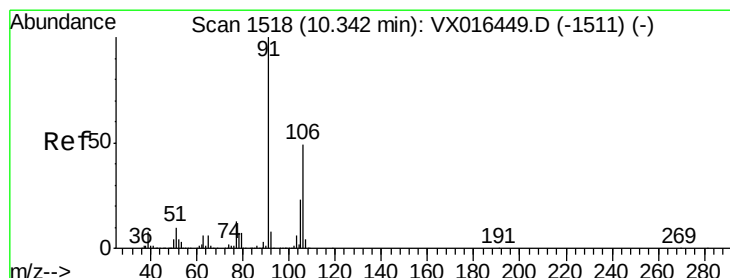
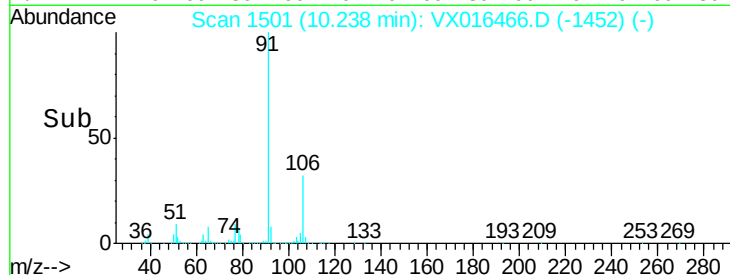
1000000

500000

0

10.15 10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 172.453 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016466.D

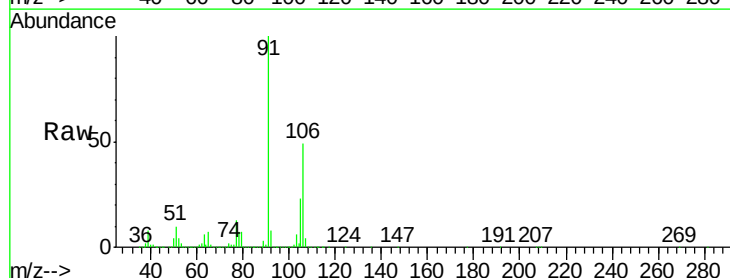
Acq: 27 May 2020 23:17

Tgt Ion: 106 Resp: 1275421

Ion Ratio Lower Upper

106 100

91 204.2 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VX016466.D (-1469) (-)

Ion 91.00 (90.70 to 91.70): VX016466.D (-1469) (-)

2000000

1500000

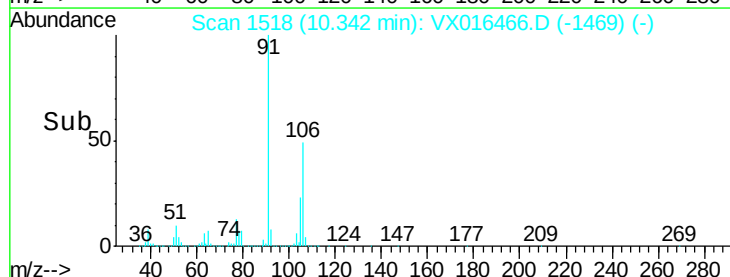
1000000

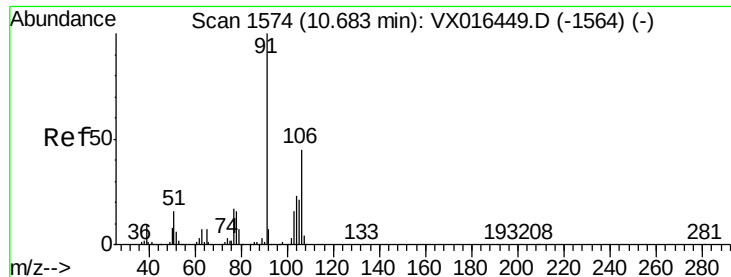
500000

0

10.30 10.40

Time-->

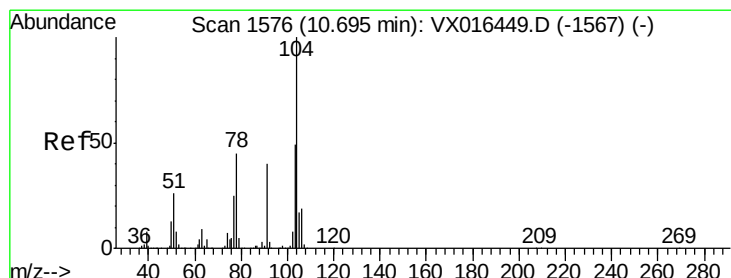
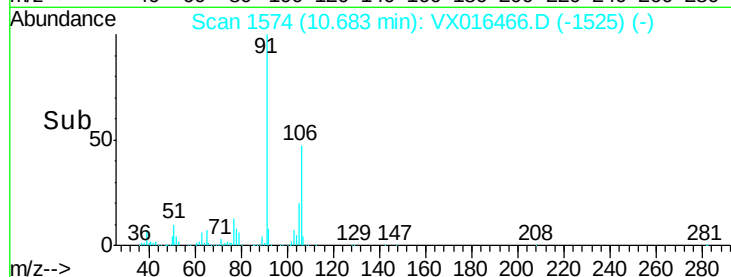
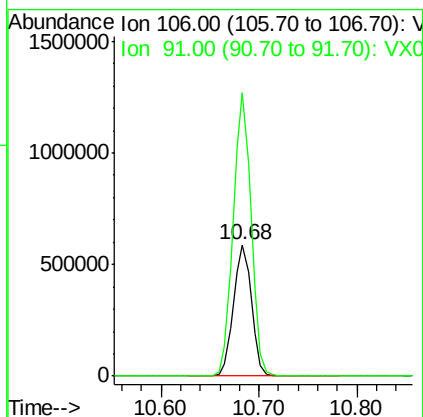
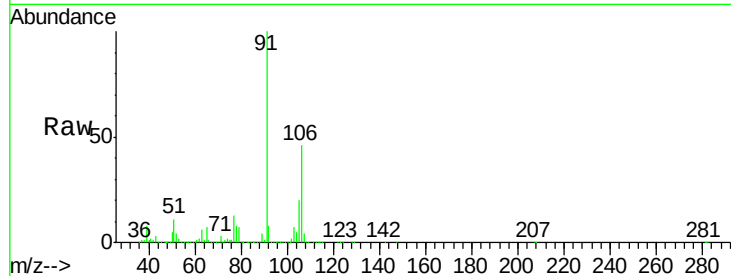




#69
o-Xylene
Concen: 104.937 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016466.D
Acq: 27 May 2020 23:17

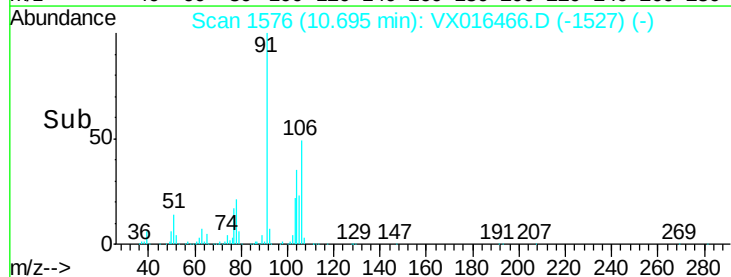
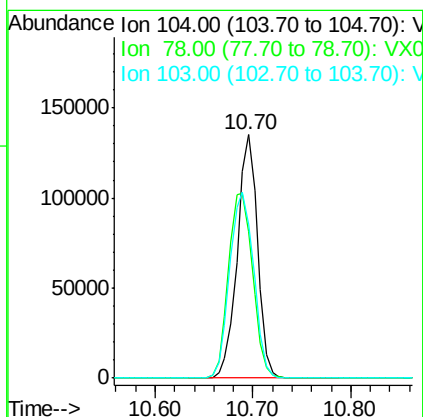
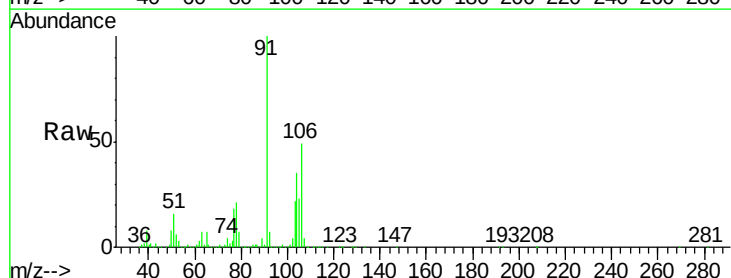
Instrument :
MSVOA_X
ClientSampled :
C0AP4

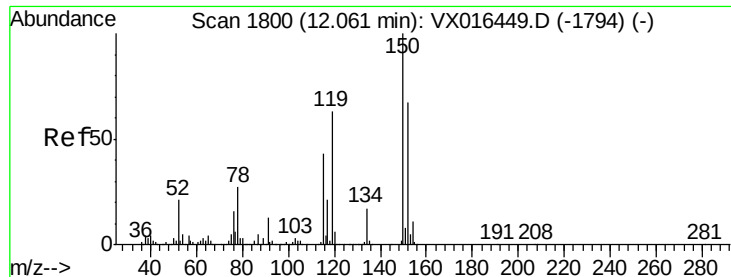
Tot Ion:106 Resp: 751606
Ion Ratio Lower Upper
106 100
91 214.5 109.6 328.8



#70
Styrene
Concen: 15.760 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016466.D
Acq: 27 May 2020 23:17

Tgt Ion:104 Resp: 194025
Ion Ratio Lower Upper
104 100
78 90.6 40.2 60.2#
103 90.4 43.1 64.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

C0AP4

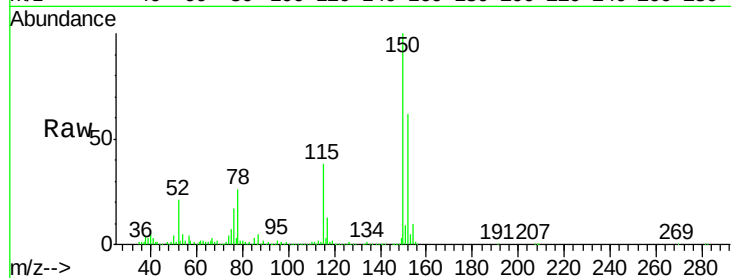
Tot Ion:152 Resp: 284810

Ion Ratio Lower Upper

152 100

115 59.2 39.9 119.6

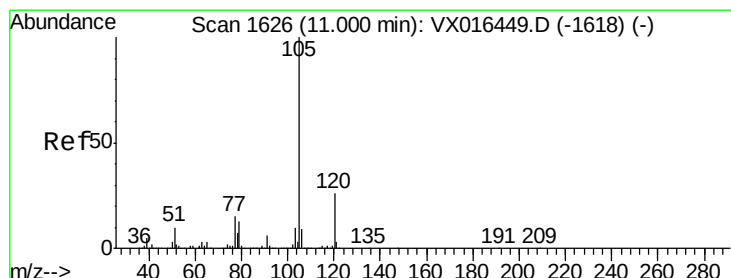
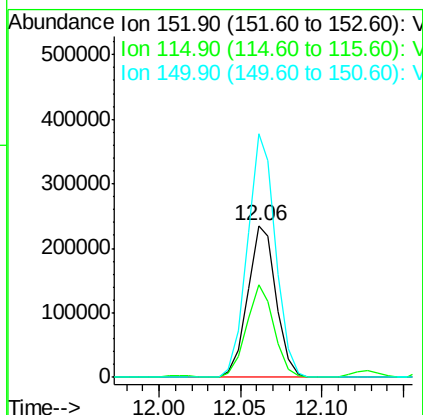
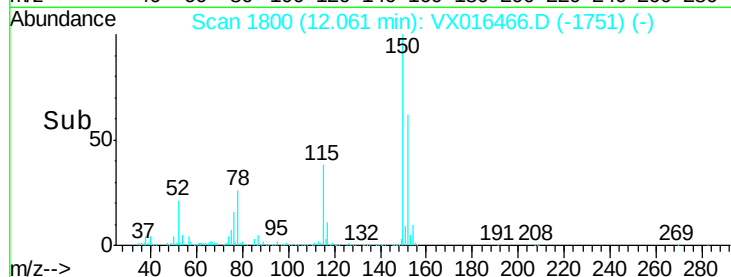
150 158.8 0.0 341.0



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



#73

Isopropylbenzene

Concen: 2.961 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016466.D

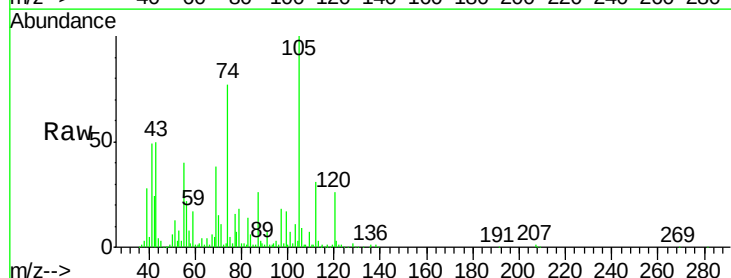
Acq: 27 May 2020 23:17

Tgt Ion:105 Resp: 58436

Ion Ratio Lower Upper

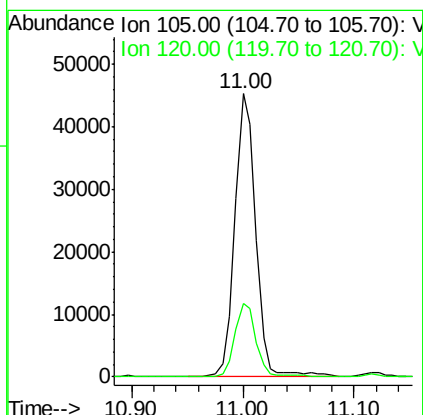
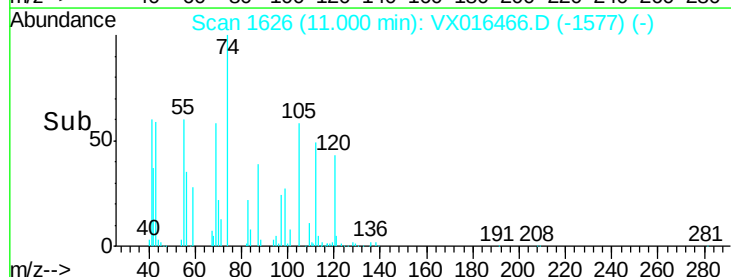
105 100

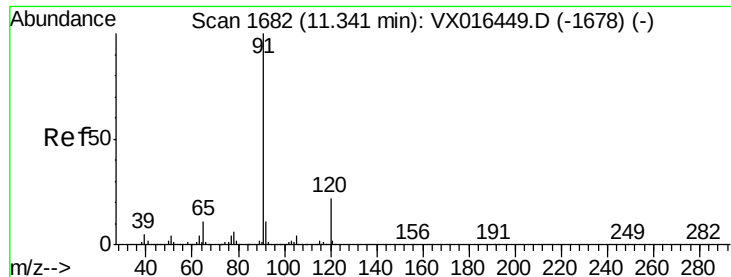
120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

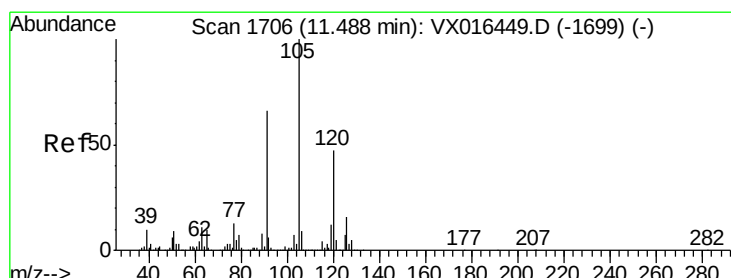
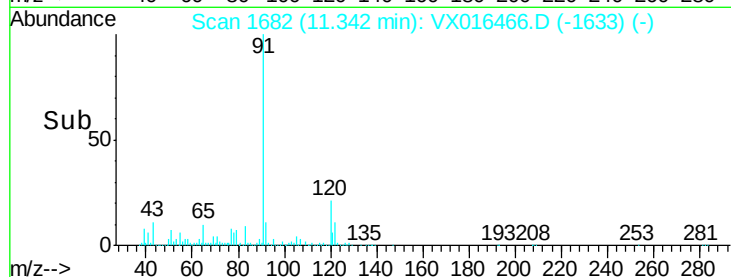
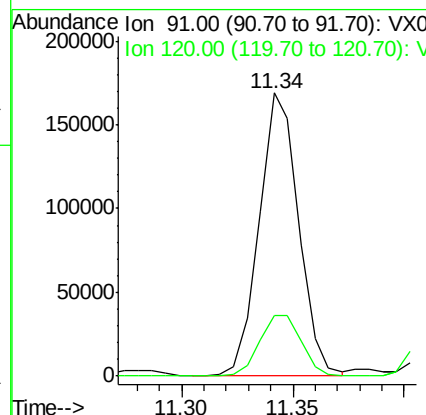
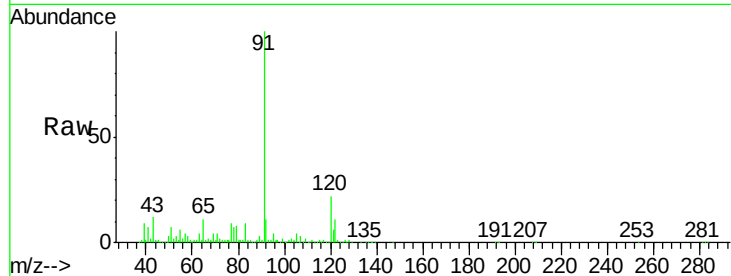




#78
n-propylbenzene
Concen: 9.403 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX016466.D
Acq: 27 May 2020 23:17

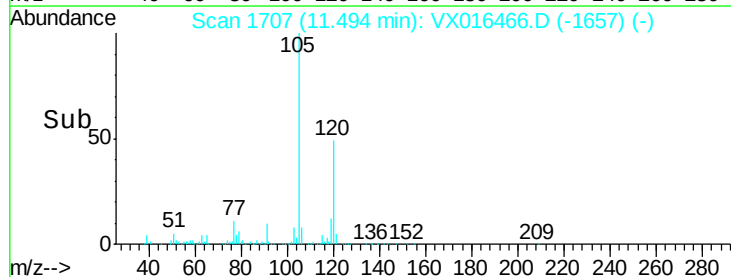
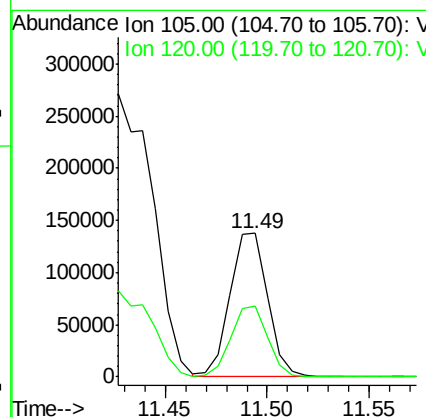
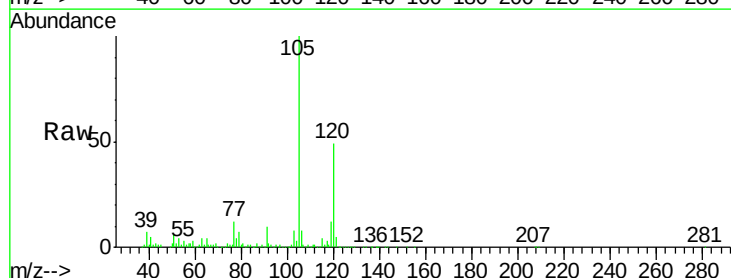
Instrument :
MSVOA_X
ClientSampleId :
C0AP4

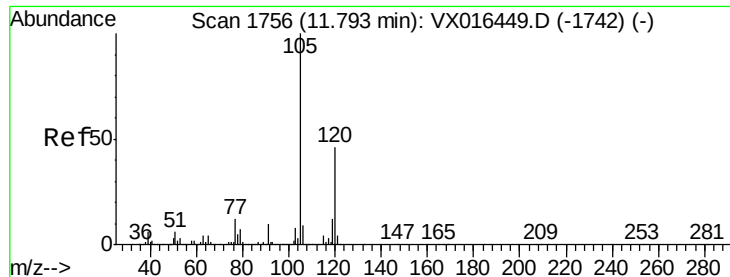
Tot Ion: 91 Resp: 207306
Ion Ratio Lower Upper
91 100
120 23.1 11.6 34.7



#80
1,3,5-Trimethylbenzene
Concen: 10.614 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX016466.D
Acq: 27 May 2020 23:17

Tgt Ion: 105 Resp: 174893
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 40.106 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

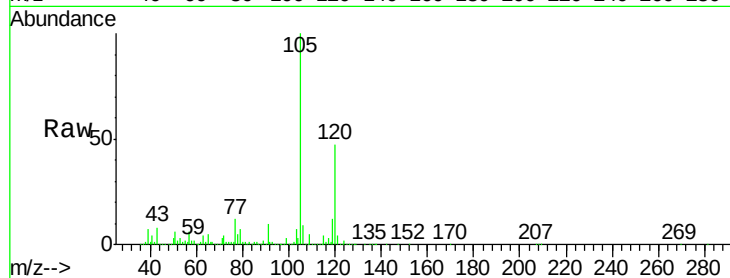
C0AP4

Tot Ion:105 Resp: 668320

Ion Ratio Lower Upper

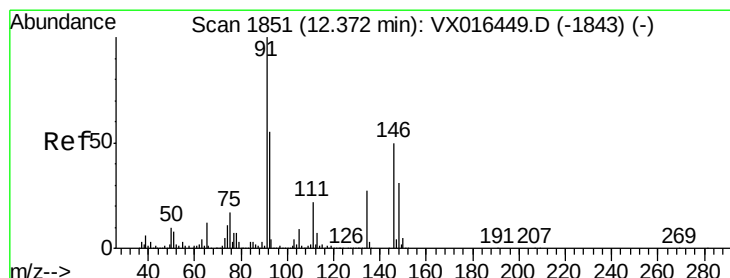
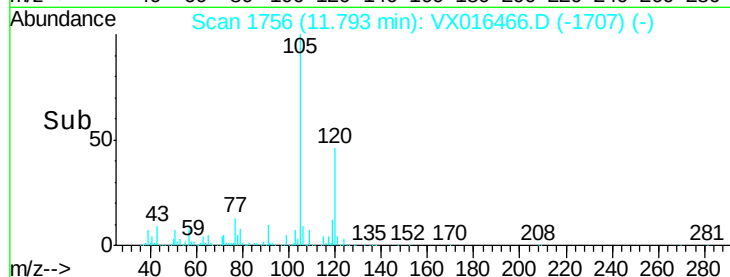
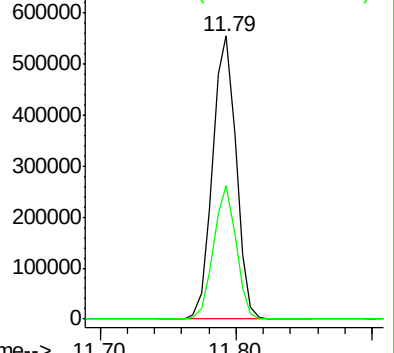
105 100

120 45.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 2.670 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

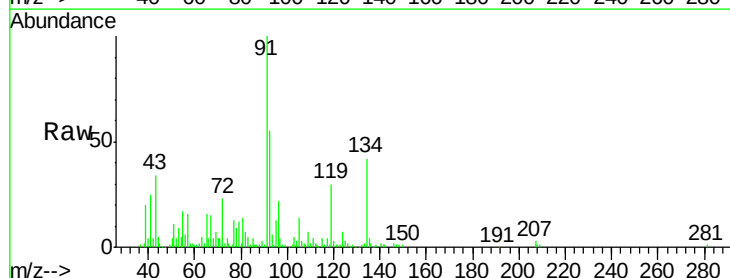
Tgt Ion: 91 Resp: 36796

Ion Ratio Lower Upper

91 100

92 43.1 27.2 81.5

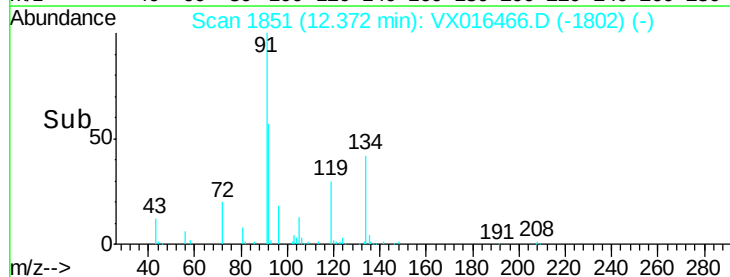
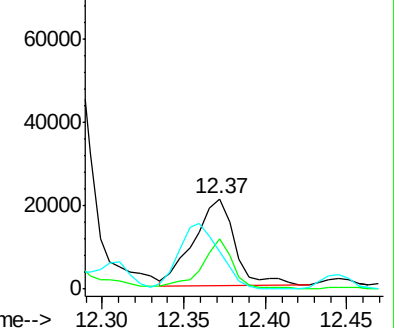
134 74.8 13.1 39.3#

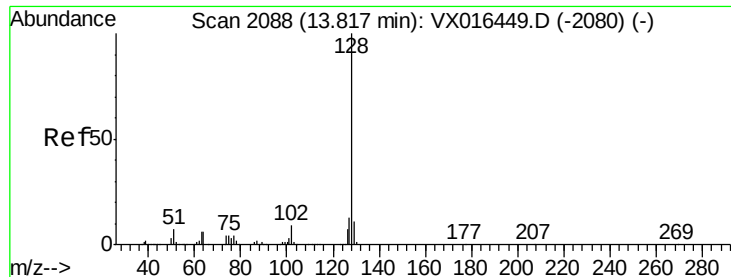


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 48.385 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016466.D

Acq: 27 May 2020 23:17

Instrument :

MSVOA_X

ClientSampleId :

C0AP4

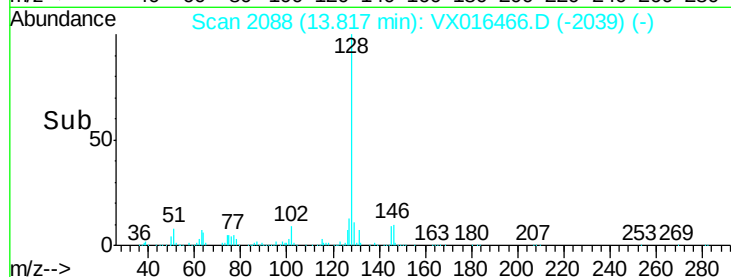
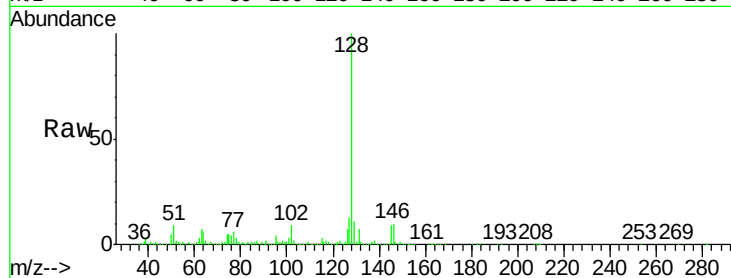
Tot Ion:128 Resp: 957032

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 13.0 8.6 13.0#



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

