

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016527.D
 Acq On : 01 Jun 2020 14:36
 Operator : JC/SP
 Sample : L2804-03DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 32388DL

Quant Time: Jun 02 06:01:50 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	283201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	461470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	449465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	243095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	165368	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	5.47	113	134805	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	8.70	98	572163	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.12	95	231525	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	

Target Compounds

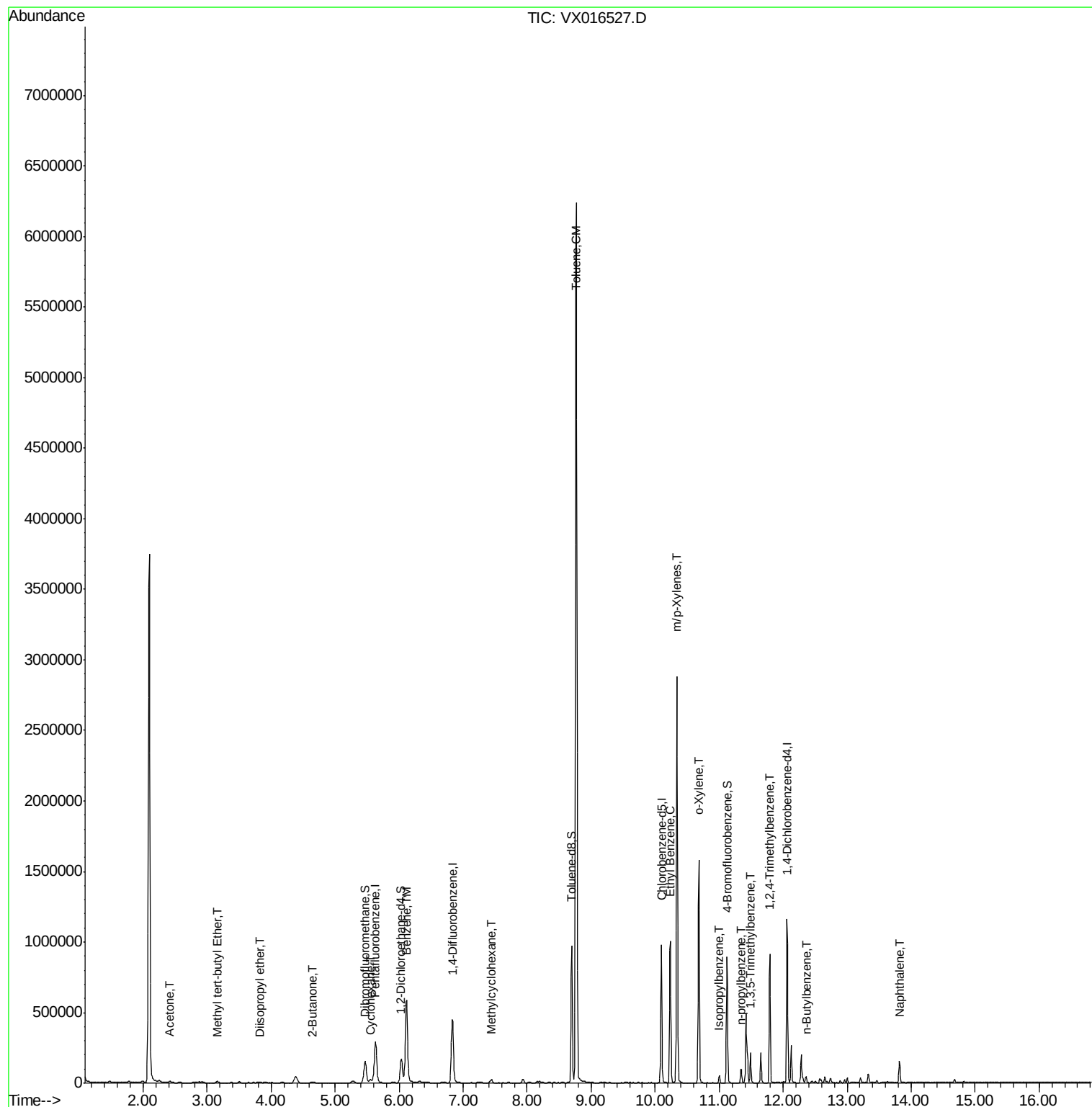
						Qvalue
16) Acetone	2.42	43	12088	7.845	ug/l	93
19) Methyl tert-butyl Ether	3.17	73	5799	0.593	ug/l #	1
22) Diisopropyl ether	3.83	45	7418	0.771	ug/l #	78
25) 2-Butanone	4.64	43	4373	1.675	ug/l #	87
31) Cyclohexane	5.56	56	15927	3.258	ug/l	91
39) Methylcyclohexane	7.45	83	12010	2.531	ug/l	96
40) Benzene	6.12	78	718518	55.222	ug/l	100
52) Toluene	8.77	92	2418252	294.732	ug/l	98
67) Ethyl Benzene	10.24	91	588273	36.058	ug/l	100
68) m/p-Xylenes	10.34	106	668257	110.474	ug/l	100
69) o-Xylene	10.68	106	340735	58.164	ug/l	98
73) Isopropylbenzene	11.00	105	25686	1.525	ug/l	98
78) n-propylbenzene	11.34	91	62060	3.298	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	95072	6.760	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	401583	28.234	ug/l	99
89) n-Butylbenzene	12.37	91	6563	0.558	ug/l #	23
95) Naphthalene	13.82	128	91032	5.392	ug/l	99

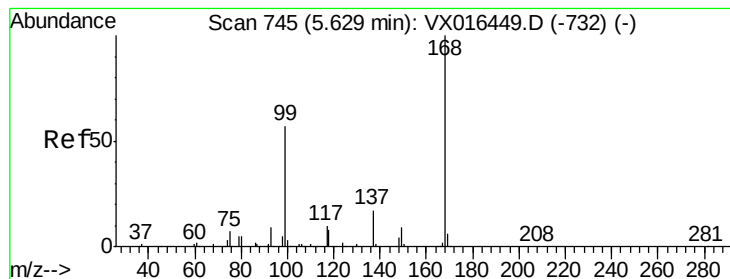
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 02 06:01:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 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: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

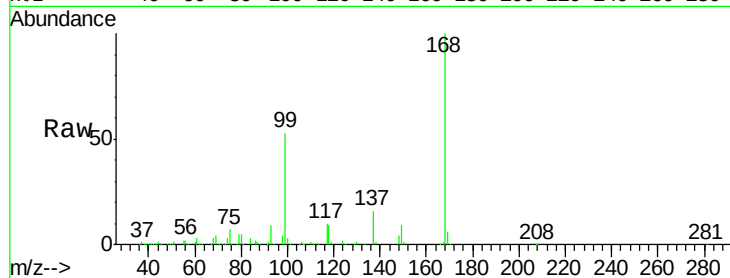
32388DL

Tot Ion:168 Resp: 283201

Ion Ratio Lower Upper

168 100

99 53.3 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

120000

100000

80000

60000

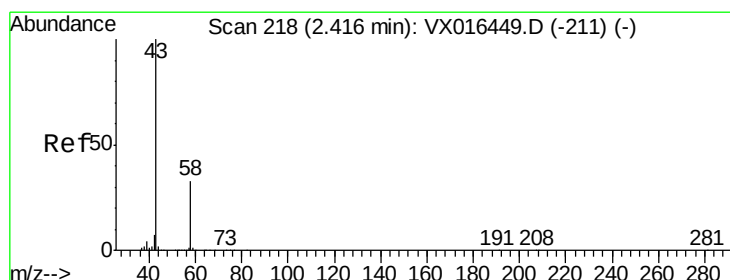
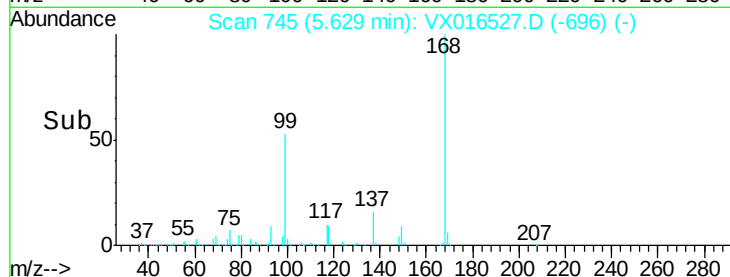
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.845 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016527.D

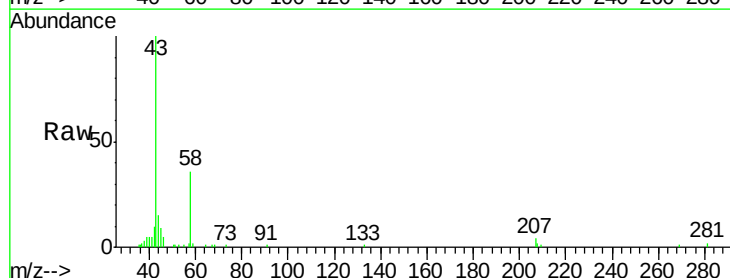
Acq: 01 Jun 2020 14:36

Tgt Ion: 43 Resp: 12088

Ion Ratio Lower Upper

43 100

58 36.7 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

8000

6000

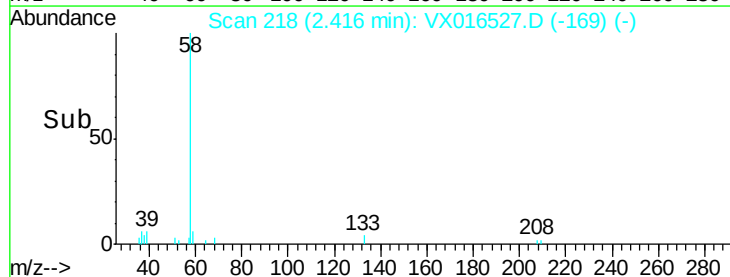
4000

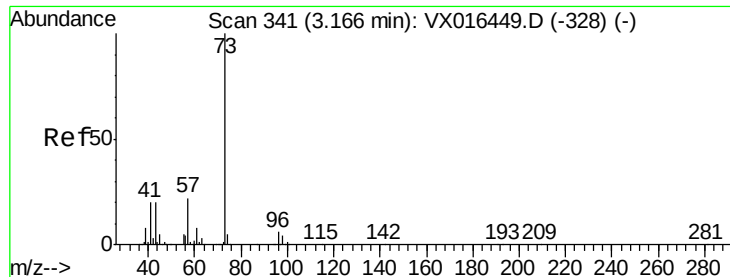
2000

0

Time-->

2.35 2.40 2.45 2.50



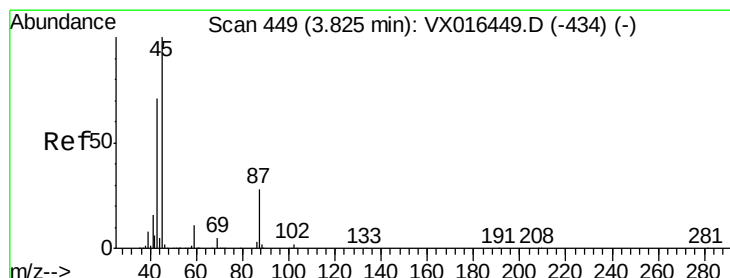
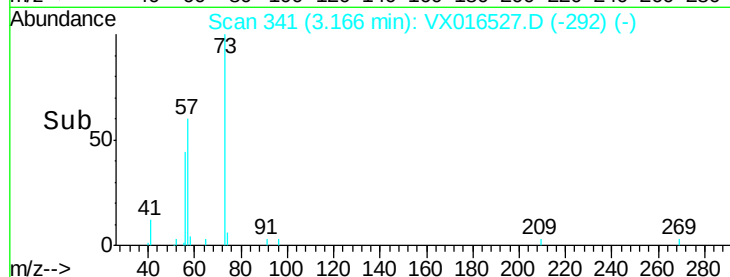
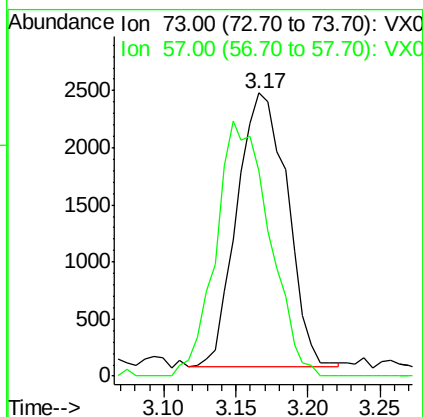
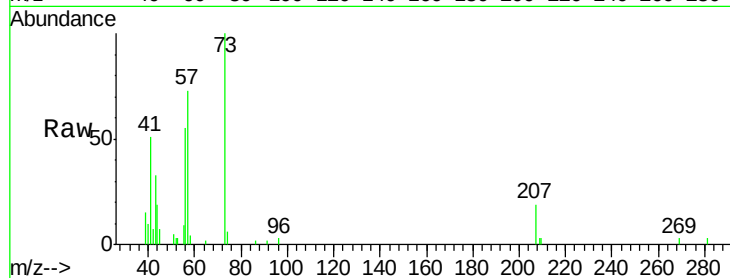


#19

Methyl tert-butyl Ether
 Concen: 0.593 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016527.D
 Acq: 01 Jun 2020 14:36

Instrument :
 MSVOA_X
 ClientSampled :
 32388DL

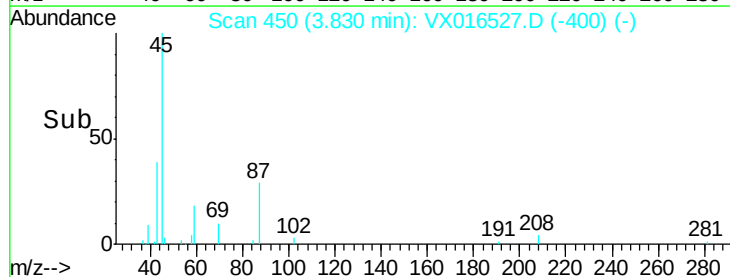
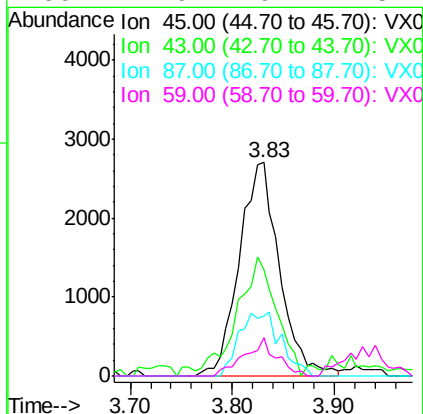
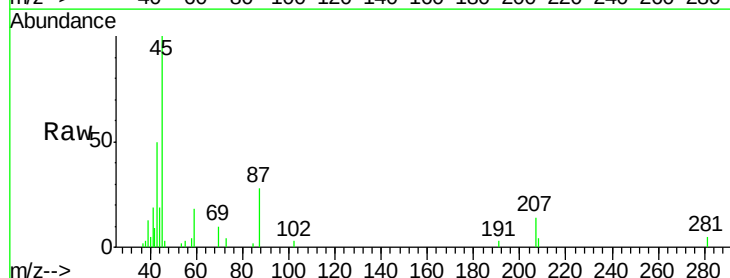
Tot Ion: 73 Resp: 5799
 Ion Ratio Lower Upper
 73 100
 57 75.2 17.8 26.6#

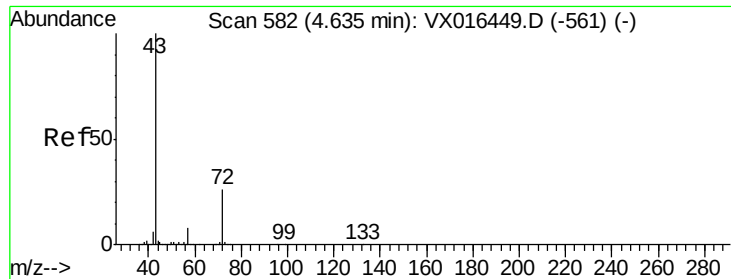


#22

Diisopropyl ether
 Concen: 0.771 ug/l
 RT: 3.83 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VX016527.D
 Acq: 01 Jun 2020 14:36

Tgt Ion: 45 Resp: 7418
 Ion Ratio Lower Upper
 45 100
 43 45.8 57.0 85.6#
 87 28.0 22.5 33.7
 59 17.9 9.1 13.7#





#25

2-Butanone

Concen: 1.675 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

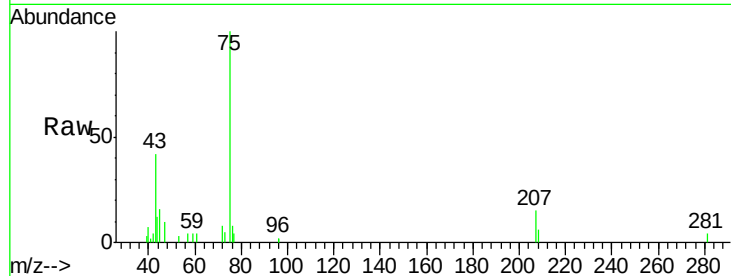
32388DL

Tot Ion: 43 Resp: 4373

Ion Ratio Lower Upper

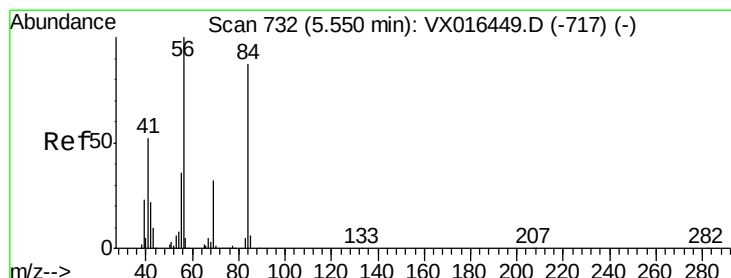
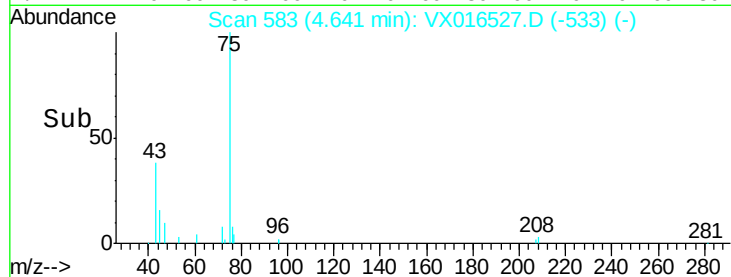
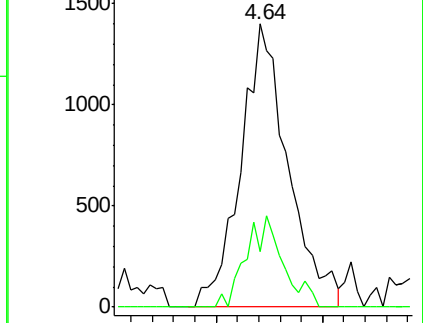
43 100

72 19.4 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 3.258 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

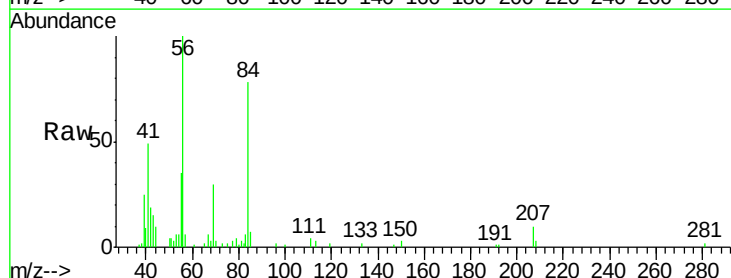
Tgt Ion: 56 Resp: 15927

Ion Ratio Lower Upper

56 100

69 30.1 25.7 38.5

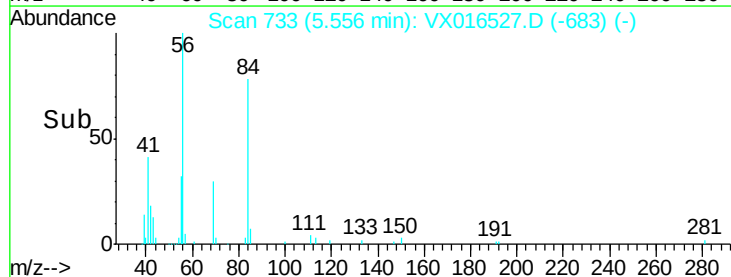
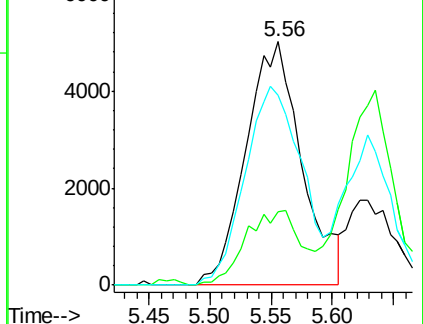
84 77.9 70.0 105.0

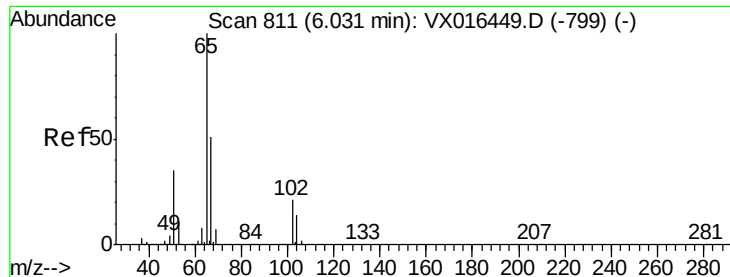


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

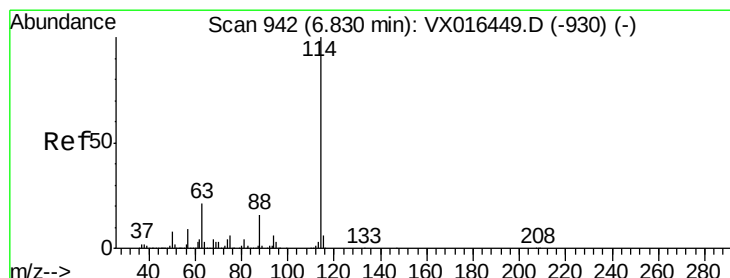
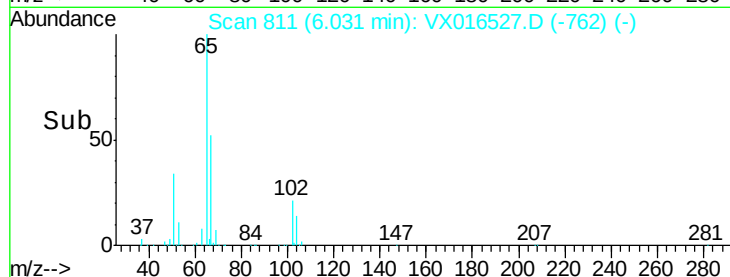
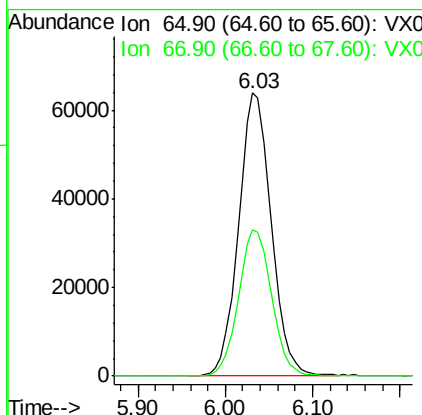
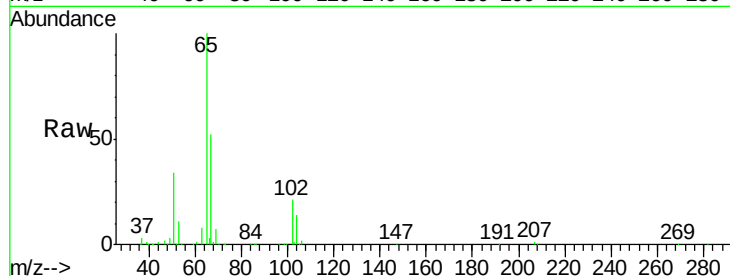




#33
 1,2-Dichloroethane-d4
 Concen: 47.020 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016527.D
 Acq: 01 Jun 2020 14:36

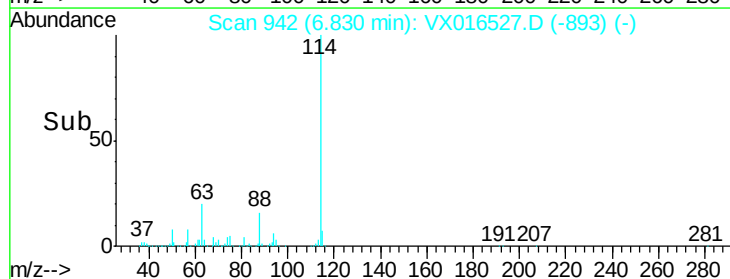
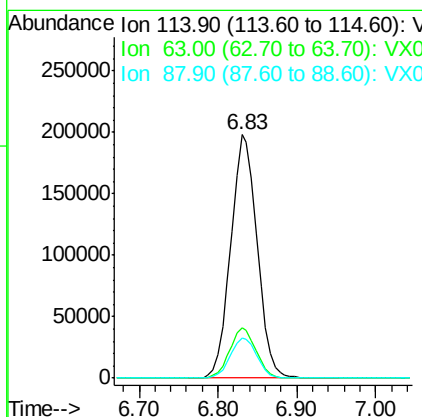
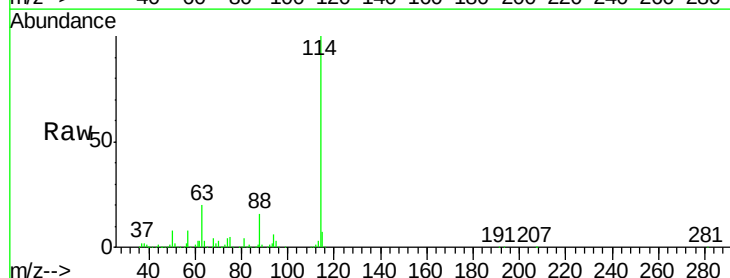
Instrument :
 MSVOA_X
 ClientSampleId :
 32388DL

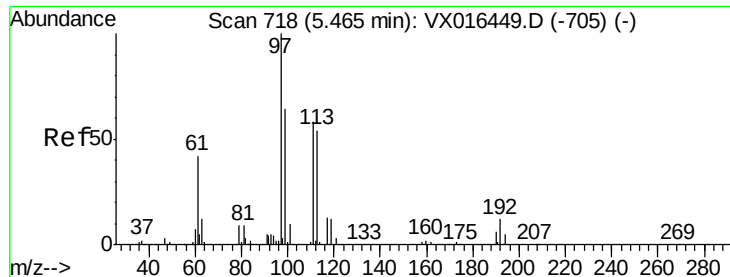
Tot Ion: 65 Resp: 165368
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016527.D
 Acq: 01 Jun 2020 14:36

Tgt Ion: 114 Resp: 461470
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.442 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

32388DL

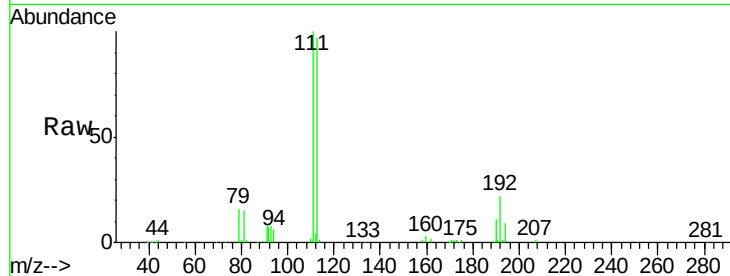
Tot Ion:113 Resp: 134805

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

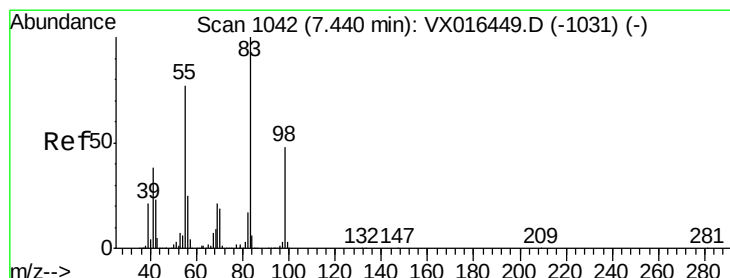
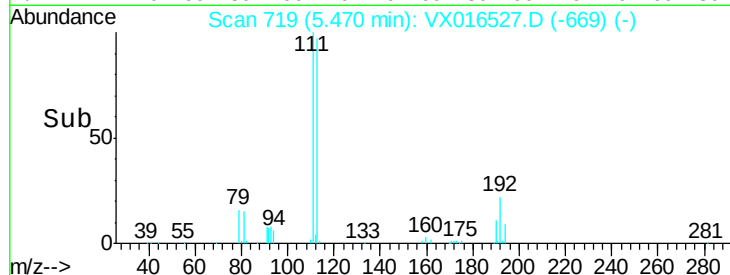
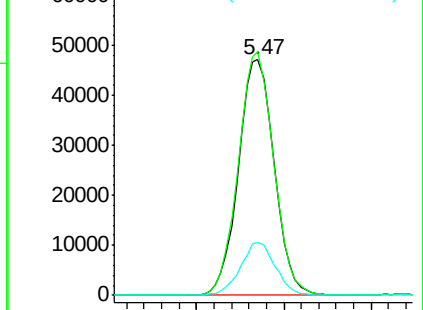
192 21.9 17.7 26.5



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



#39

Methylcyclohexane

Concen: 2.531 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

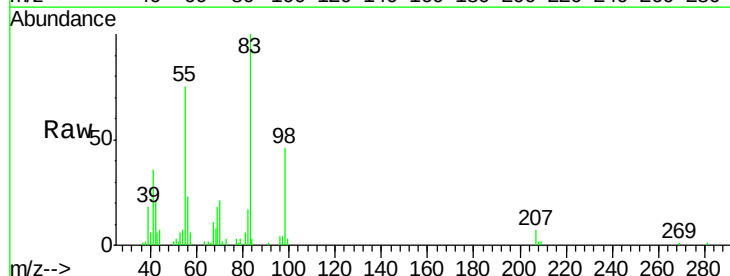
Tgt Ion: 83 Resp: 12010

Ion Ratio Lower Upper

83 100

55 72.6 61.7 92.5

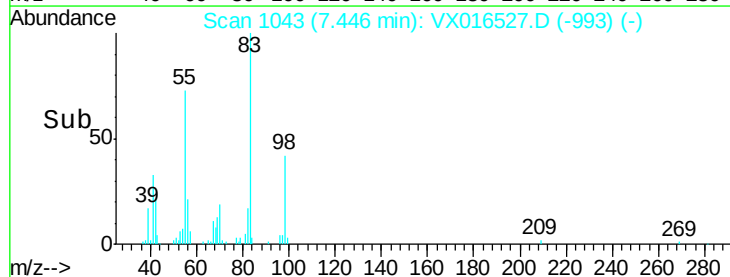
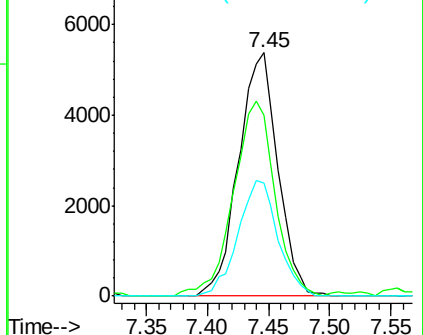
98 46.4 38.7 58.1

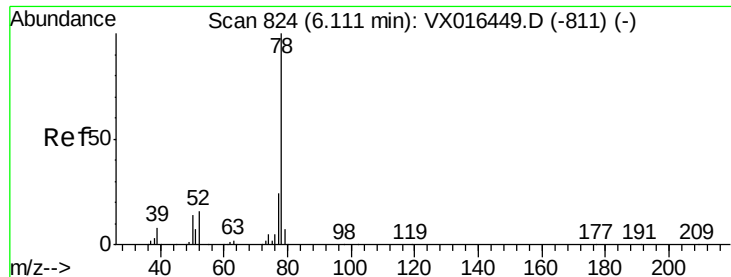


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 55.222 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampled :

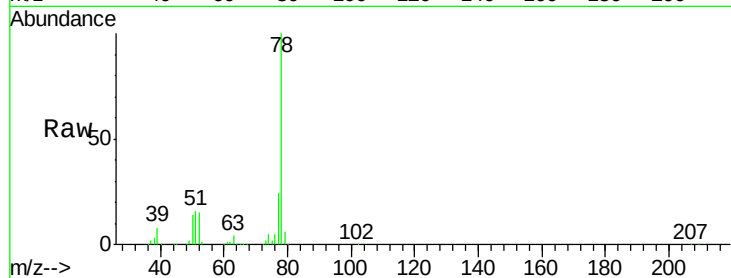
32388DL

Tot Ion: 78 Resp: 718518

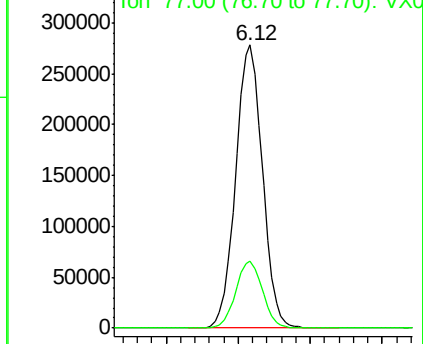
Ion Ratio Lower Upper

78 100

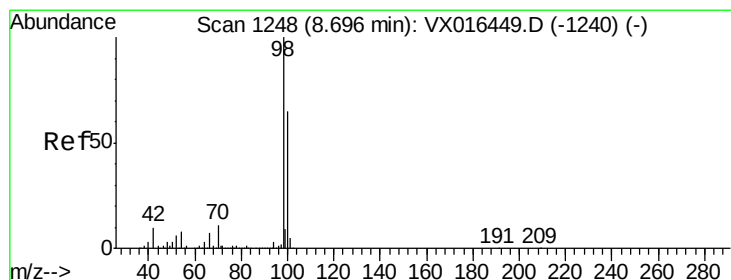
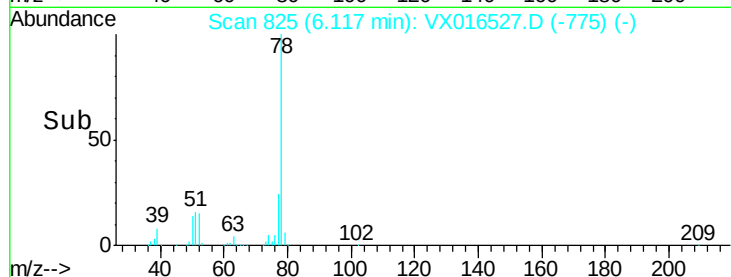
77 23.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.734 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016527.D

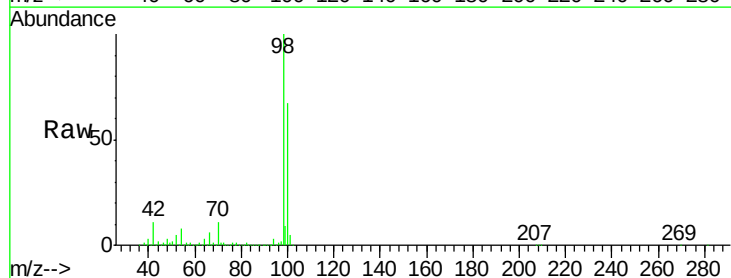
Acq: 01 Jun 2020 14:36

Tgt Ion: 98 Resp: 572163

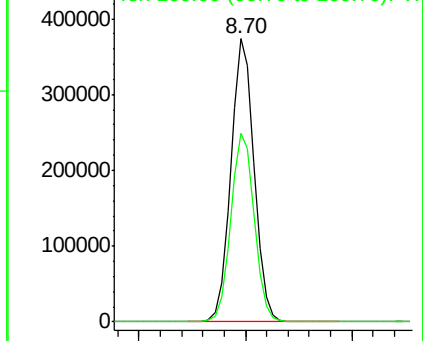
Ion Ratio Lower Upper

98 100

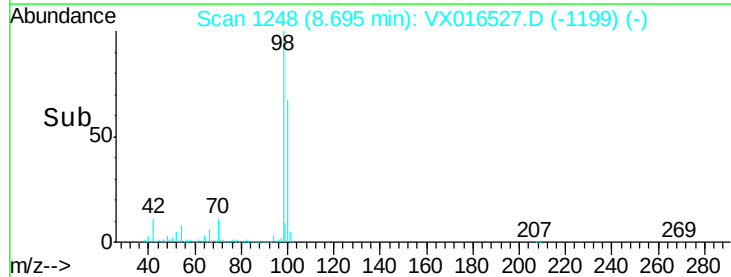
100 67.1 53.8 80.6

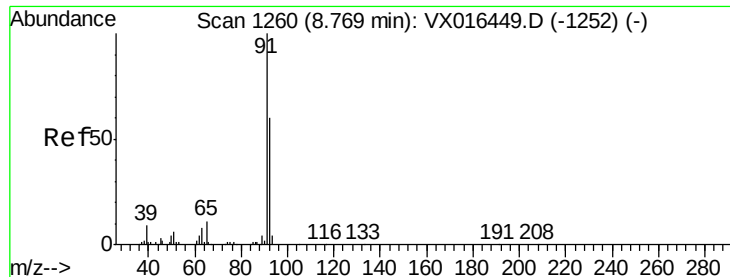


Abundance Ion 98.00 (97.70 to 98.70): VX0



Time-->





#52

Toluene

Concen: 294.732 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

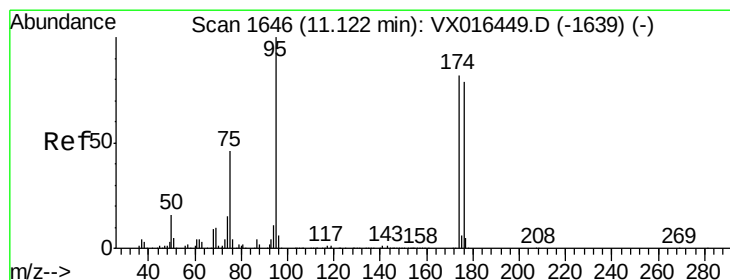
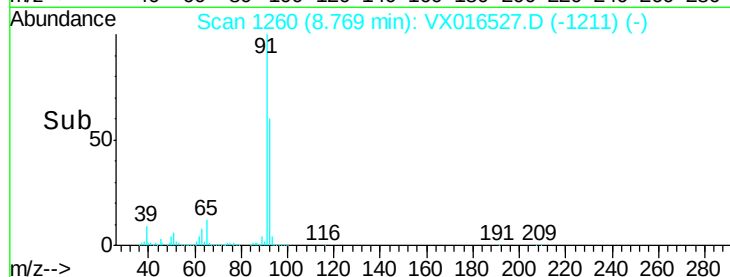
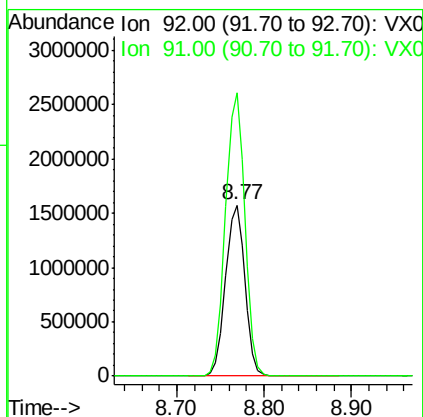
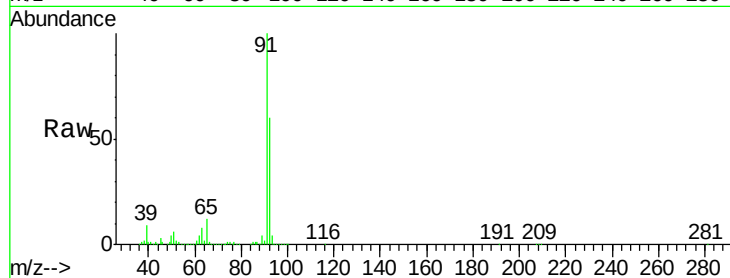
32388DL

Tot Ion: 92 Resp: 2418252

Ion Ratio Lower Upper

92 100

91 166.1 135.0 202.4



#62

4-Bromofluorobenzene

Concen: 54.178 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

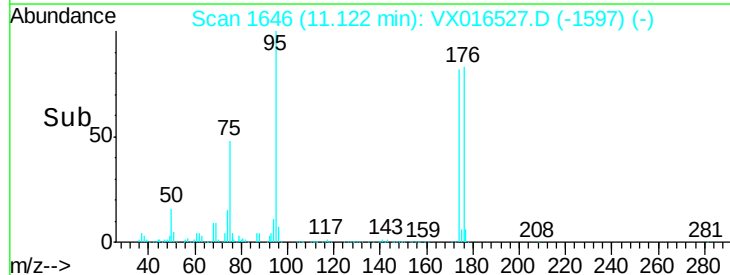
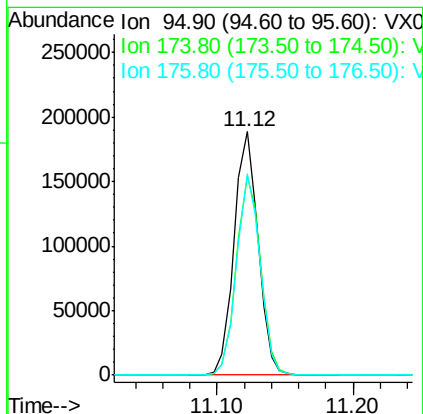
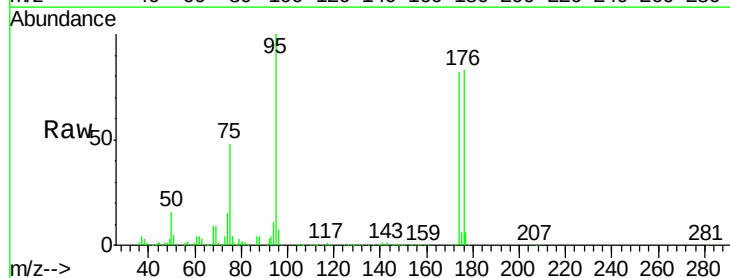
Tgt Ion: 95 Resp: 231525

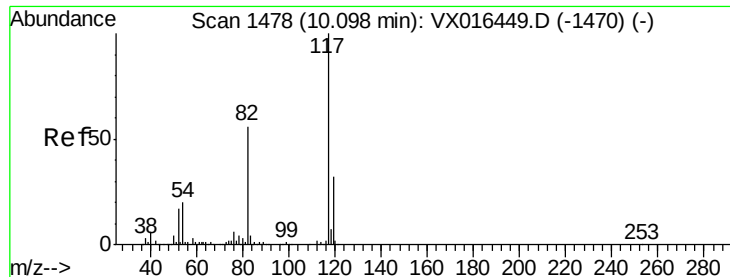
Ion Ratio Lower Upper

95 100

174 82.9 0.0 163.0

176 81.1 0.0 156.8

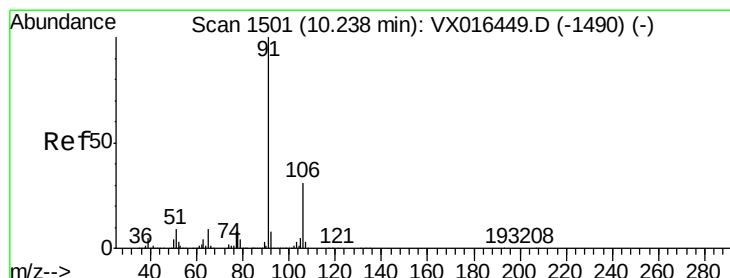
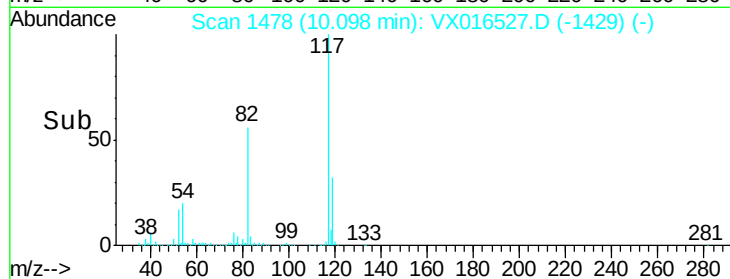
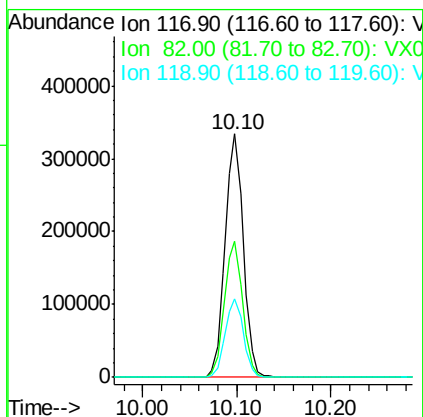
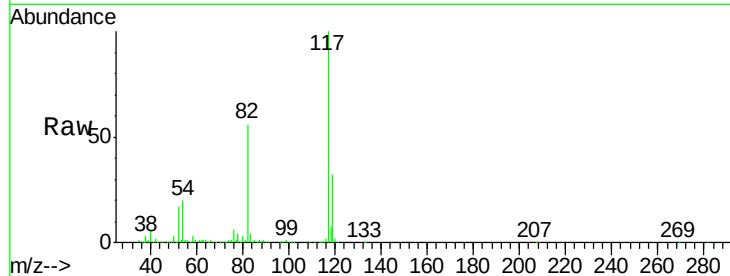




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016527.D
Acq: 01 Jun 2020 14:36

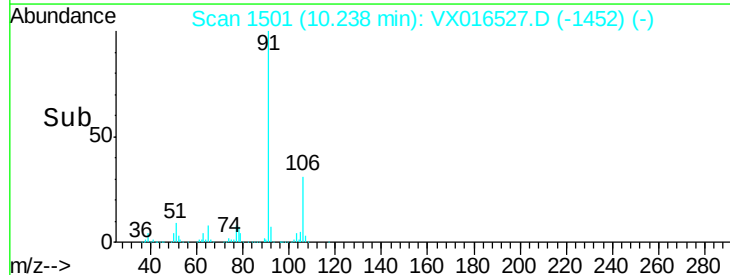
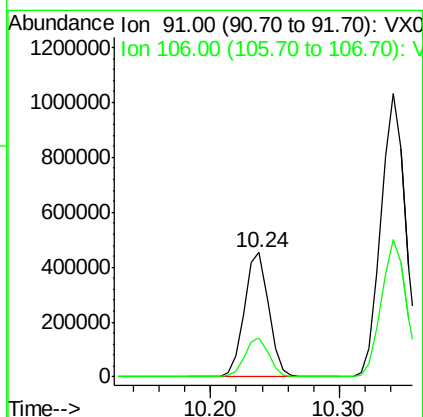
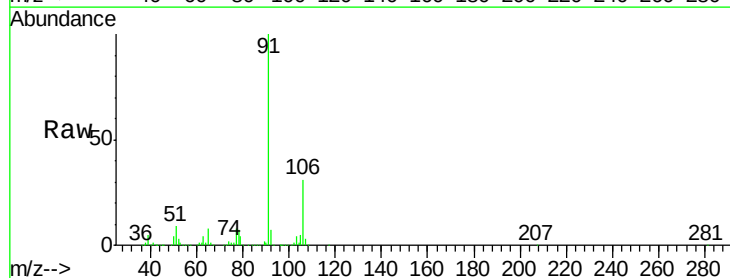
Instrument :
MSVOA_X
ClientSampleId :
32388DL

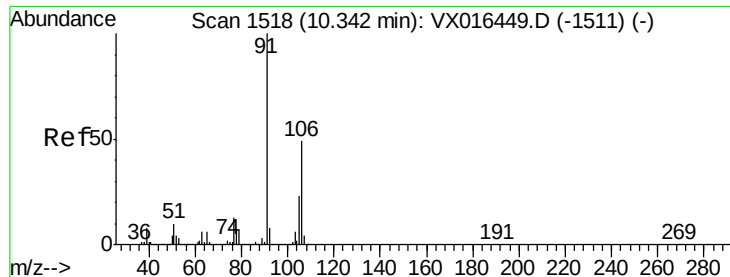
Tot Ion:117 Resp: 449465
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.6
119 32.4 25.8 38.8



#67
Ethyl Benzene
Concen: 36.058 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016527.D
Acq: 01 Jun 2020 14:36

Tgt Ion: 91 Resp: 588273
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

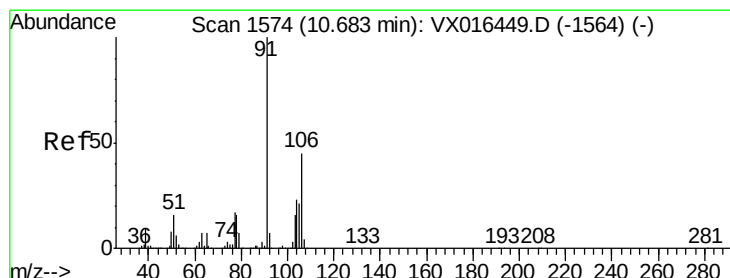
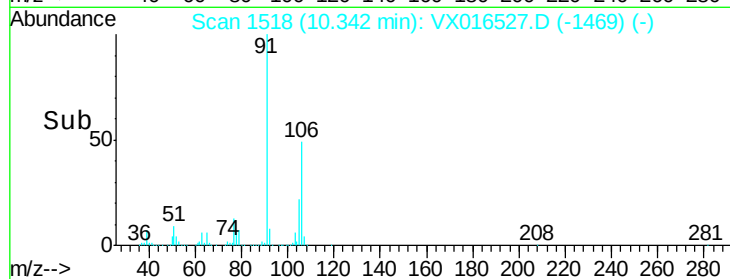
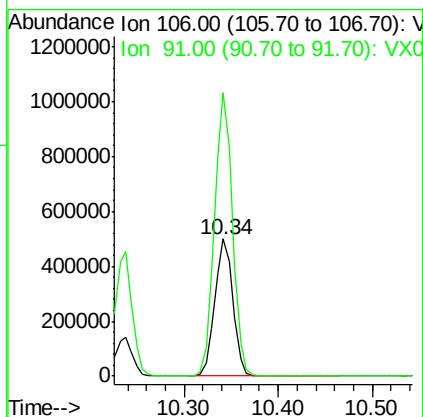
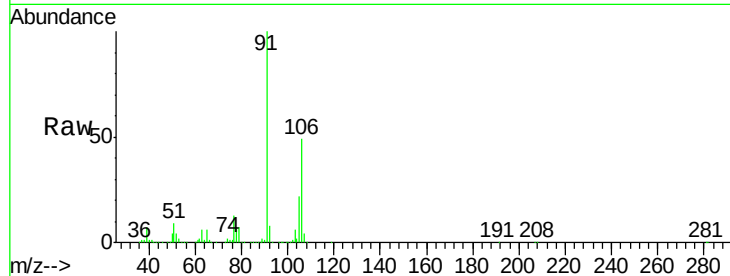




#68
m/p-Xylenes
Concen: 110.474 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016527.D
Acq: 01 Jun 2020 14:36

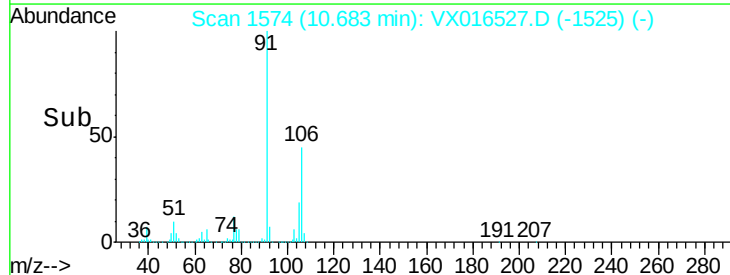
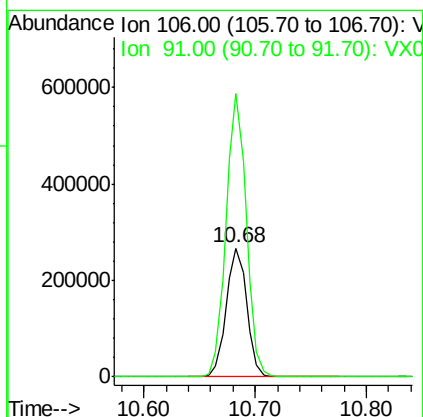
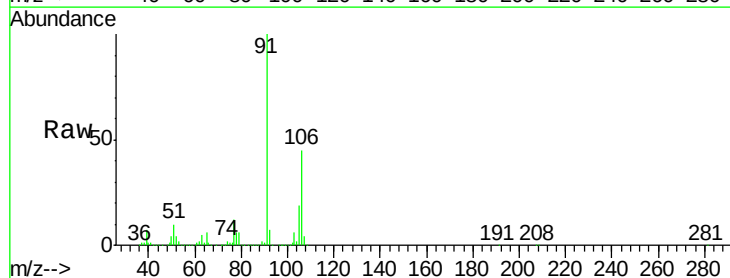
Instrument :
MSVOA_X
ClientSampled :
32388DL

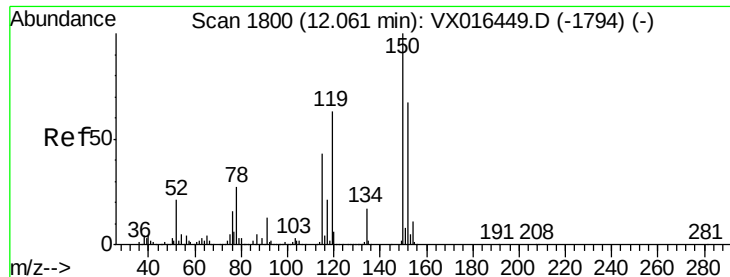
Tot Ion:106 Resp: 668257
Ion Ratio Lower Upper
106 100
91 204.6 163.8 245.8



#69
o-Xylene
Concen: 58.164 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016527.D
Acq: 01 Jun 2020 14:36

Tgt Ion:106 Resp: 340735
Ion Ratio Lower Upper
106 100
91 216.4 109.6 328.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

32388DL

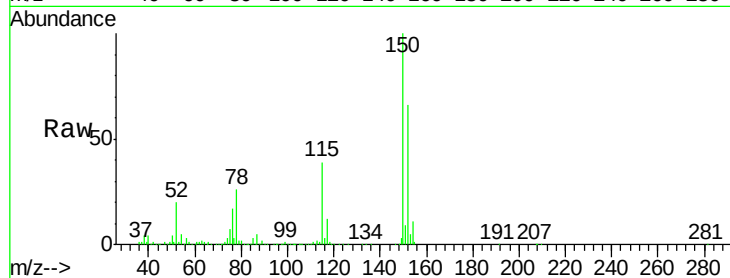
Tot Ion:152 Resp: 243095

Ion Ratio Lower Upper

152 100

115 58.4 39.9 119.6

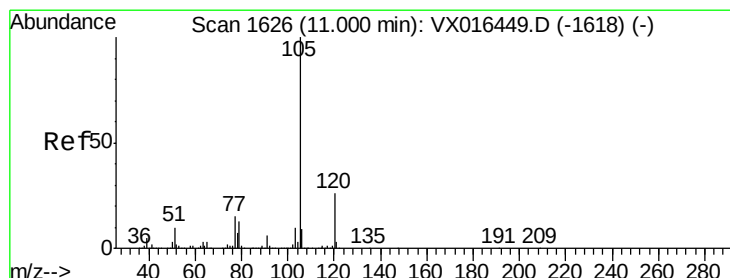
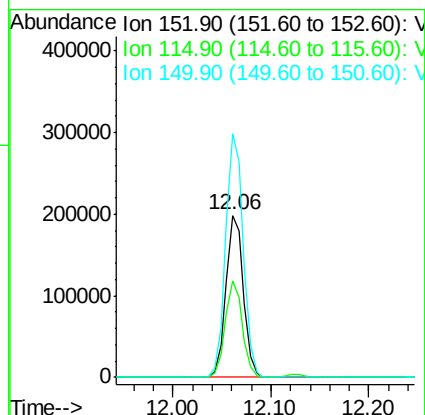
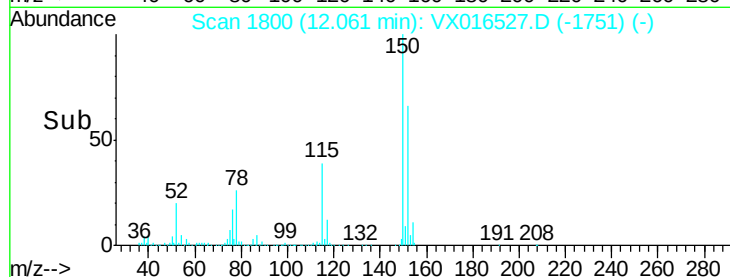
150 152.0 0.0 341.0



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: 1.525 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016527.D

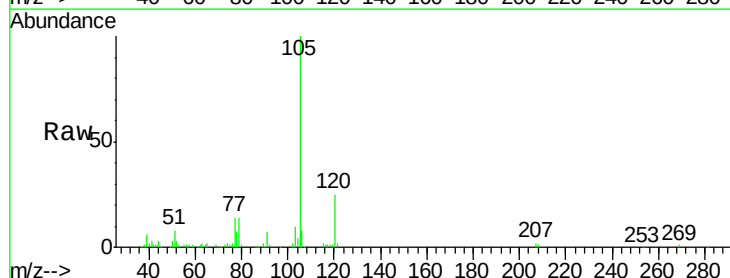
Acq: 01 Jun 2020 14:36

Tgt Ion:105 Resp: 25686

Ion Ratio Lower Upper

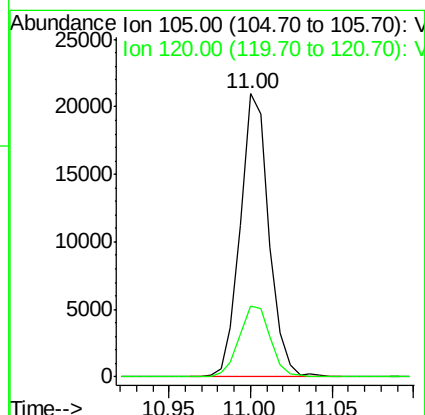
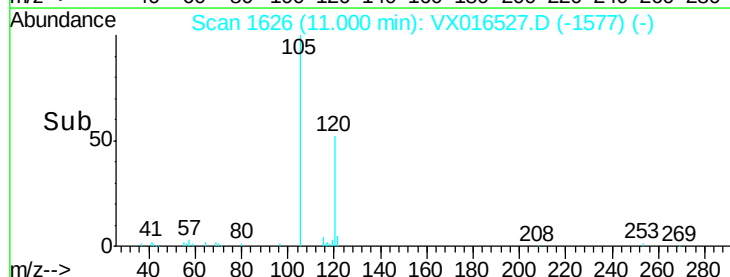
105 100

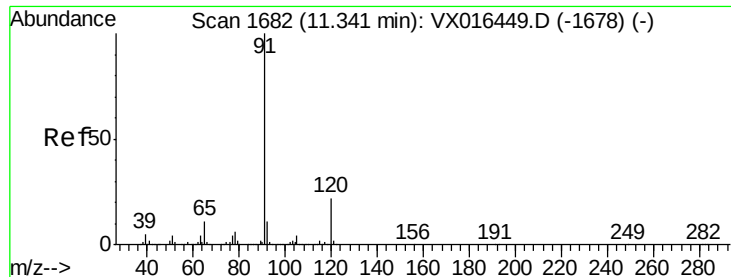
120 27.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.298 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

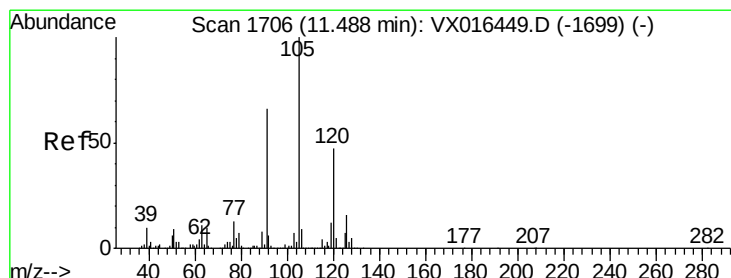
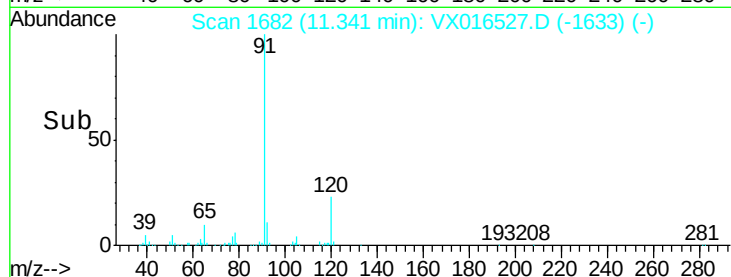
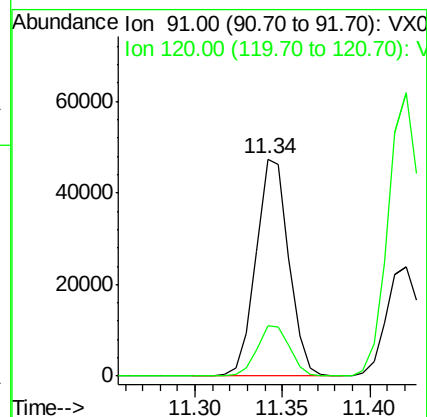
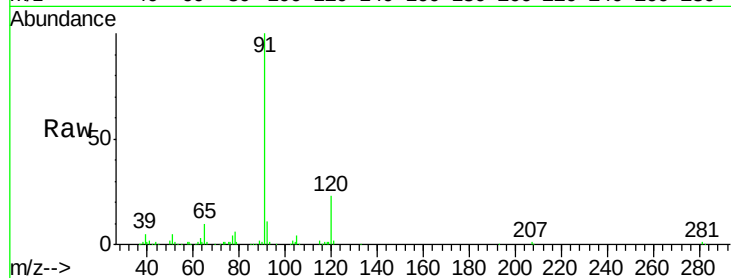
32388DL

Tot Ion: 91 Resp: 62060

Ion Ratio Lower Upper

91 100

120 22.9 11.6 34.7



#80

1,3,5-Trimethylbenzene

Concen: 6.760 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016527.D

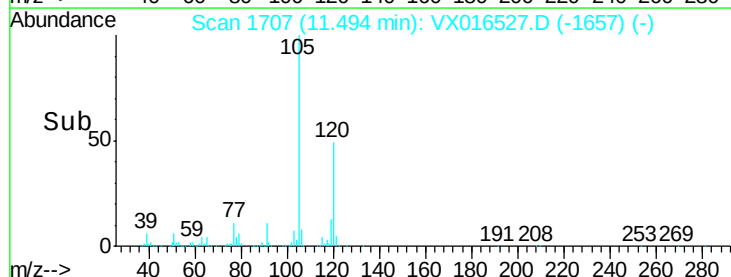
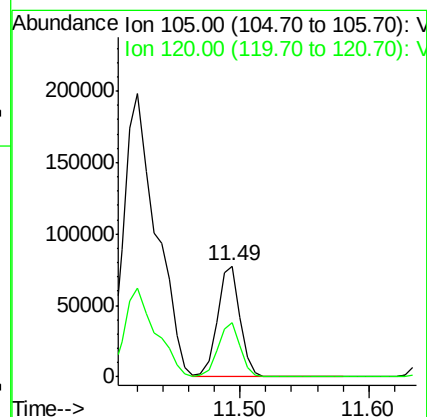
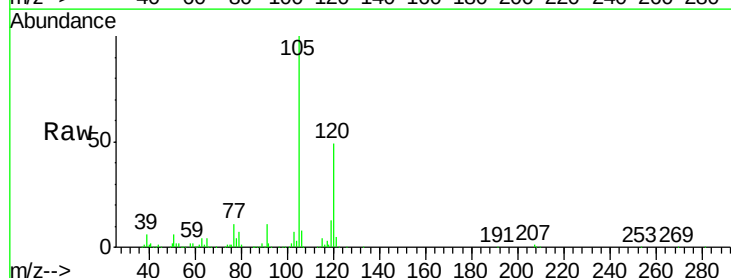
Acq: 01 Jun 2020 14:36

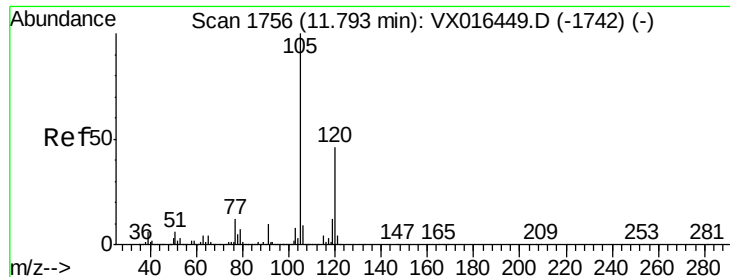
Tgt Ion: 105 Resp: 95072

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8

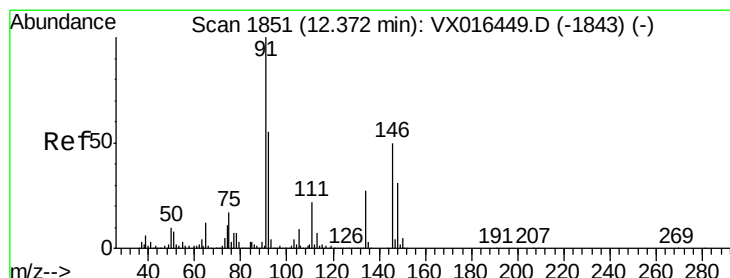
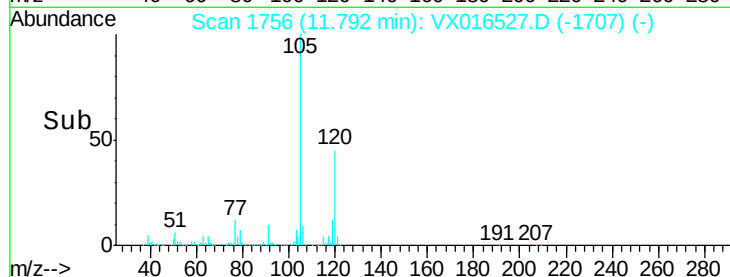
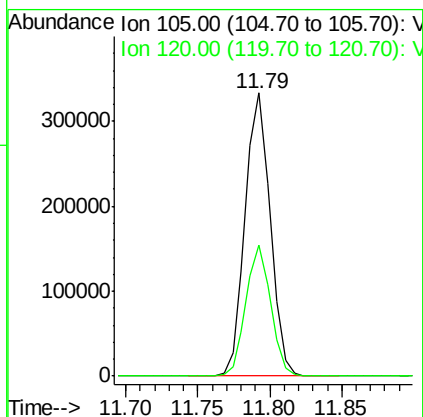
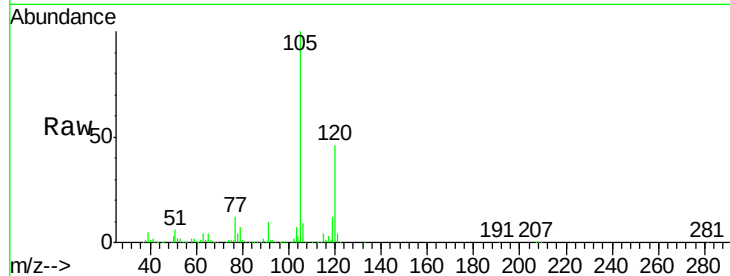




#84
 1,2,4-Trimethylbenzene
 Concen: 28.234 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016527.D
 Acq: 01 Jun 2020 14:36

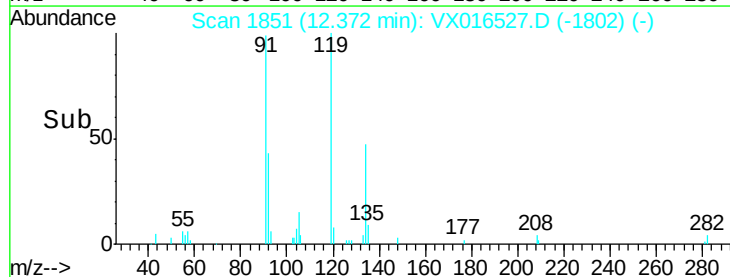
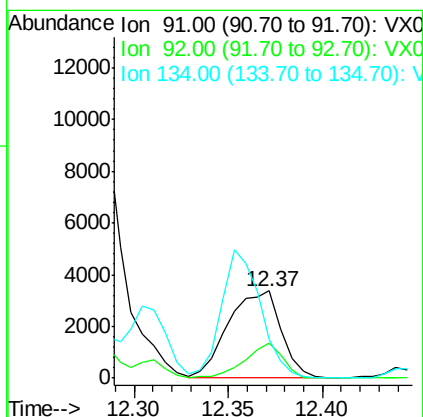
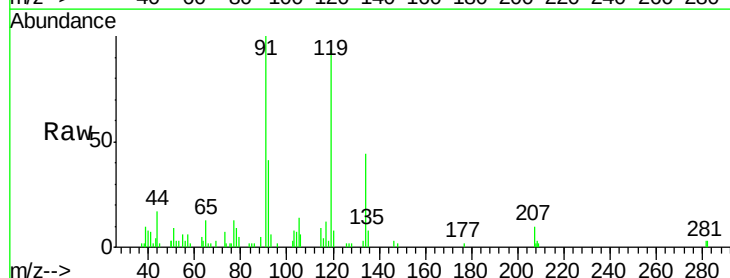
Instrument :
 MSVOA_X
 ClientSampleId :
 32388DL

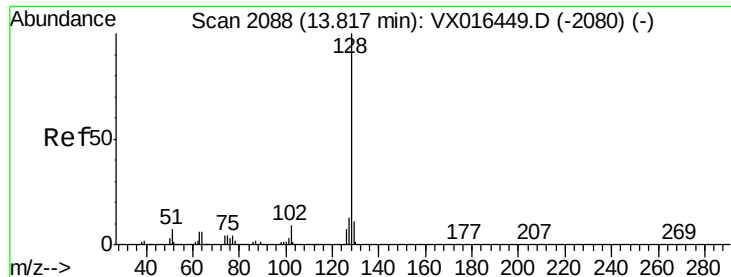
Tot Ion:105 Resp: 401583
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.7



#89
 n-Butylbenzene
 Concen: 0.558 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016527.D
 Acq: 01 Jun 2020 14:36

Tgt Ion: 91 Resp: 6563
 Ion Ratio Lower Upper
 91 100
 92 28.5 27.2 81.5
 134 108.6 13.1 39.3#





#95

Naphthalene

Concen: 5.392 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016527.D

Acq: 01 Jun 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

32388DL

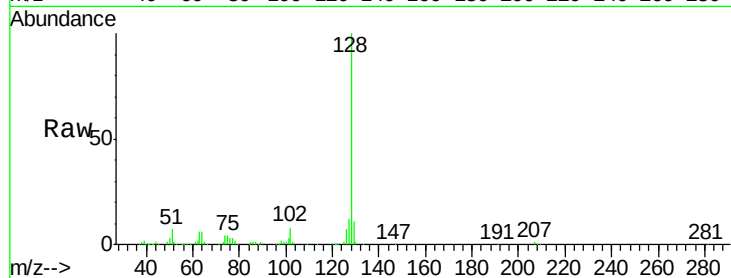
Tot Ion:128 Resp: 91032

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 11.0 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

