

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008691.D
 Acq On : 05 Apr 2019 18:56
 Operator : JC/SP
 Sample : K2275-05DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0711DL

Quant Time: Apr 06 03:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344186	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	141882	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
35) Dibromofluoromethane	5.50	113	103232	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	8.71	98	434057	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	149003	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

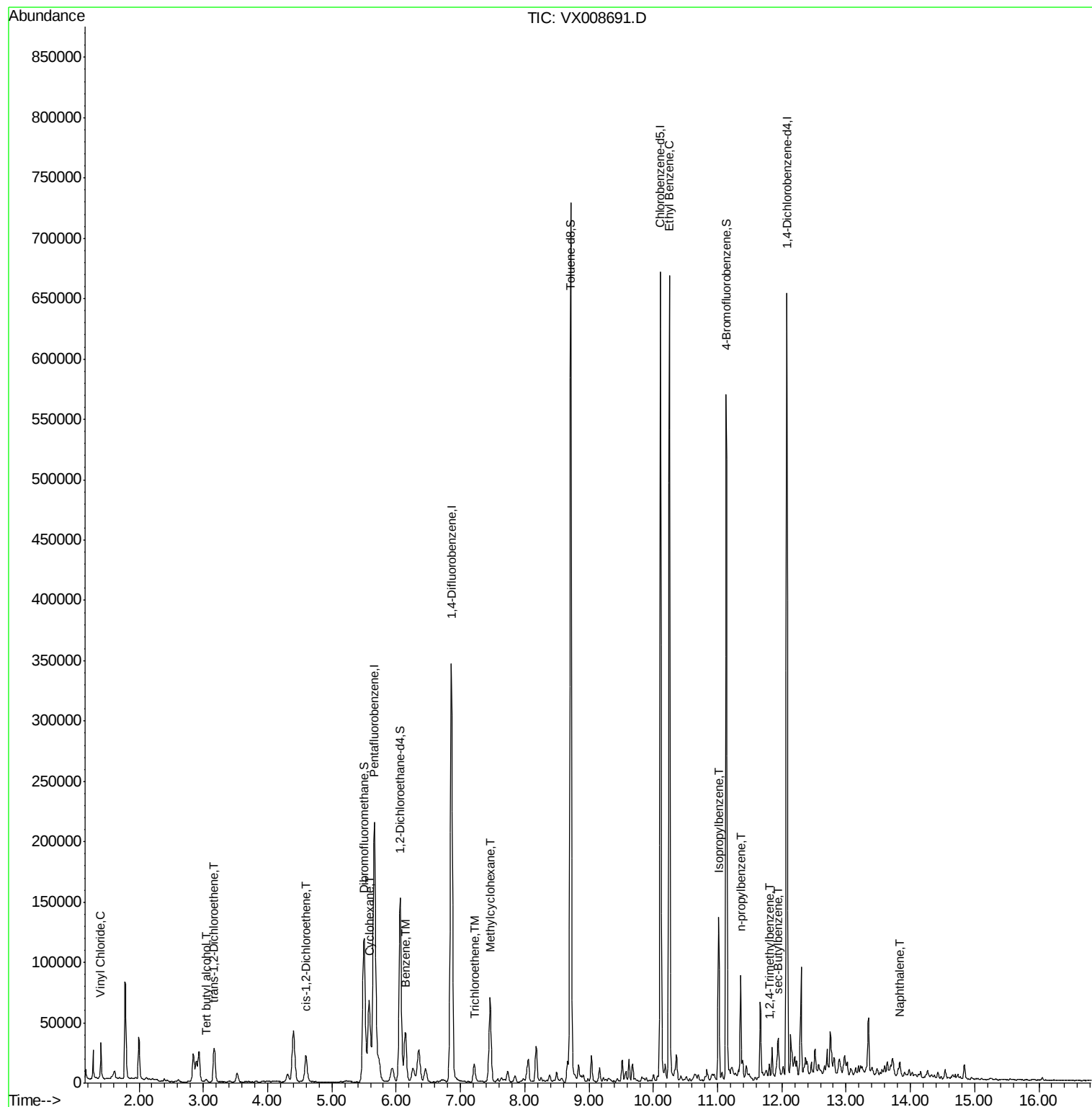
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	13160	4.109	ug/l	100
11) Tert butyl alcohol	3.04	59	2264	3.221	ug/l #	72
21) trans-1,2-Dichloroethene	3.17	96	4549	1.767	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	13204	4.462	ug/l	90
31) Cyclohexane	5.57	56	48809	9.409	ug/l	98
39) Methylcyclohexane	7.46	83	29262	6.296	ug/l	99
40) Benzene	6.14	78	47816	4.266	ug/l	97
44) Trichloroethene	7.21	130	5807	2.224	ug/l	93
67) Ethyl Benzene	10.25	91	377087	30.440	ug/l	99
73) Isopropylbenzene	11.02	105	68467	6.298	ug/l	100
78) n-propylbenzene	11.36	91	49283	3.893	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	5030	0.544	ug/l	95
85) sec-Butylbenzene	11.94	105	10313	0.989	ug/l	81
95) Naphthalene	13.83	128	6530	0.605	ug/l #	78

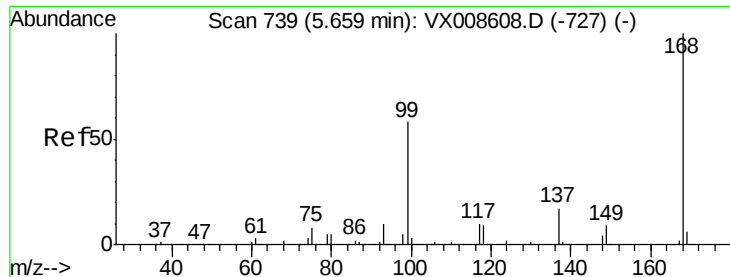
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

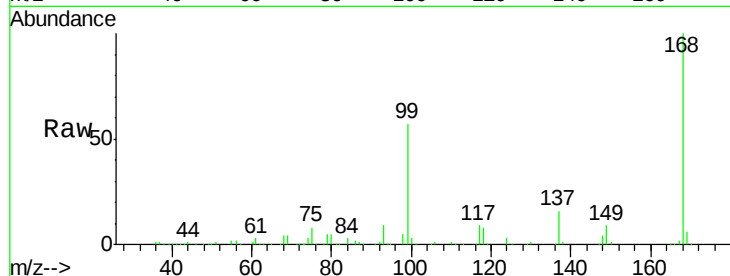
S8-0711DL

Tgt Ion:168 Resp: 205843

Ion Ratio Lower Upper

168 100

99 57.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

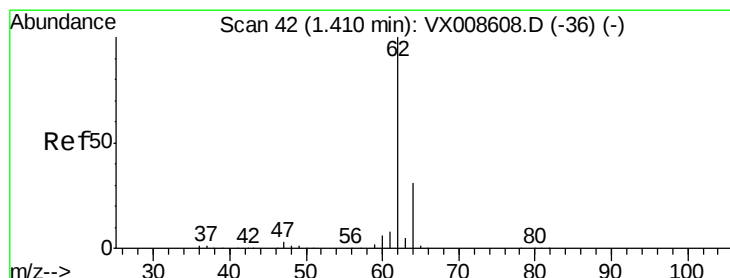
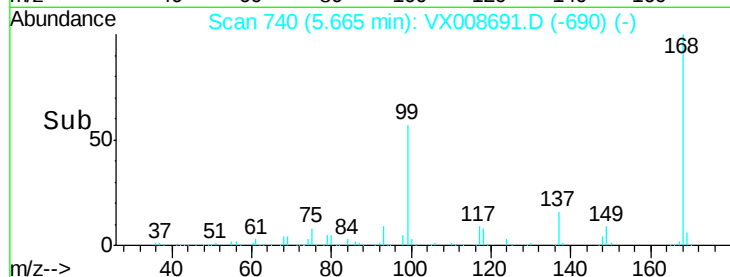
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 4.109 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008691.D

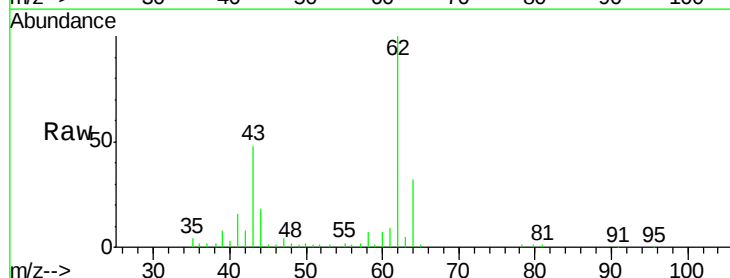
Acq: 05 Apr 2019 18:56

Tgt Ion: 62 Resp: 13160

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

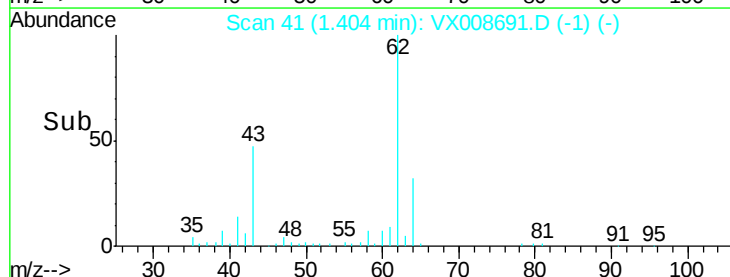
1.40

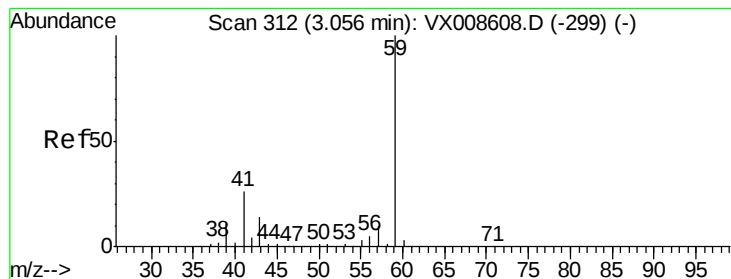
10000

5000

0

Time--> 1.35 1.40 1.45 1.50



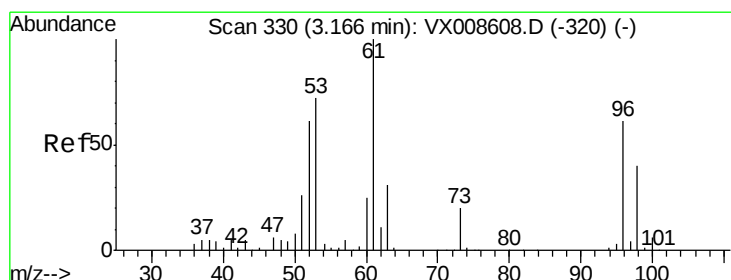
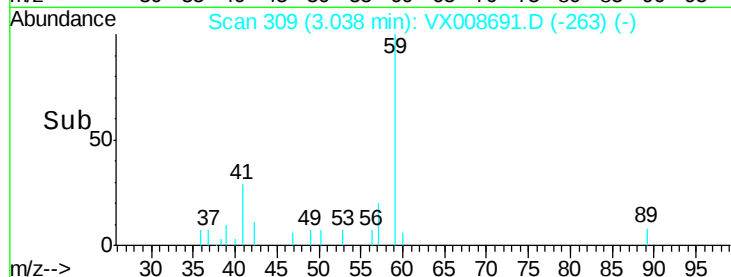
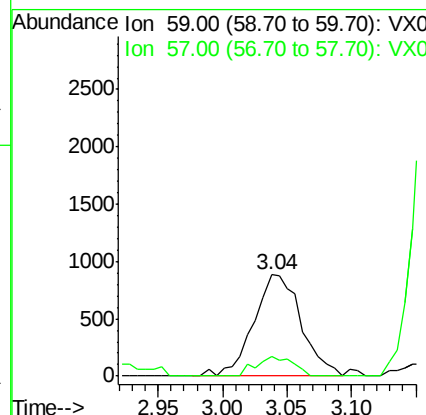
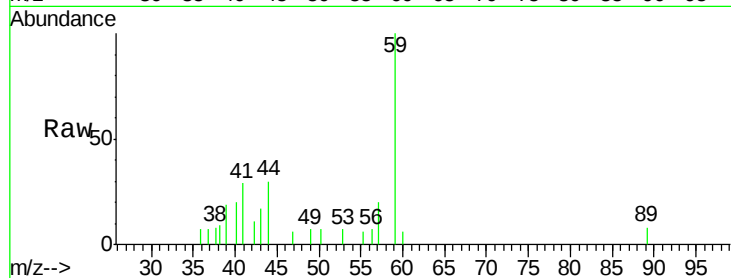


#11

Tert butyl alcohol
Concen: 3.221 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008691.D
Acq: 05 Apr 2019 18:56

Instrument :
MSVOA_X
ClientSampled :
S8-0711DL

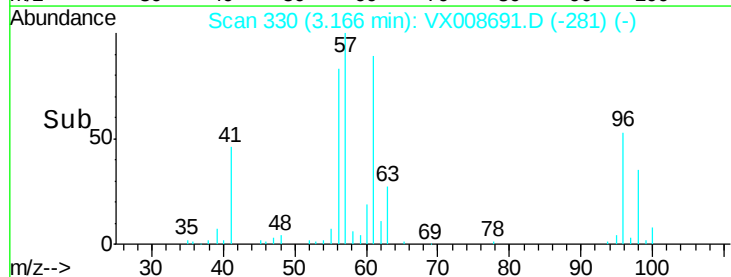
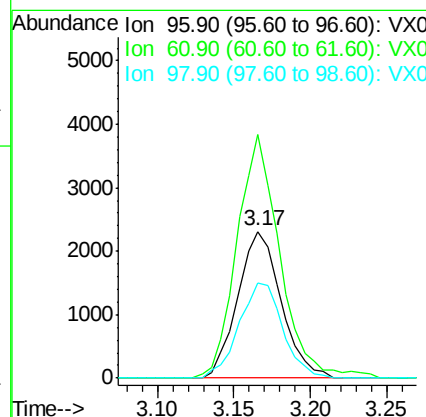
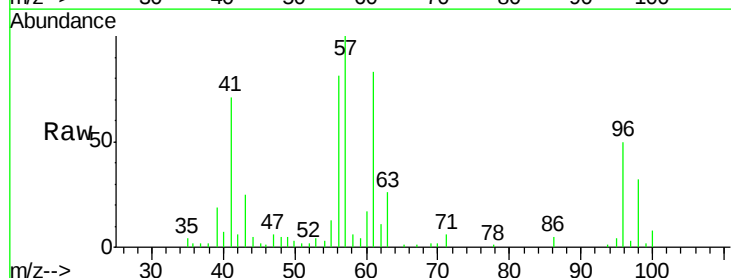
Tgt Ion: 59 Resp: 2264
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

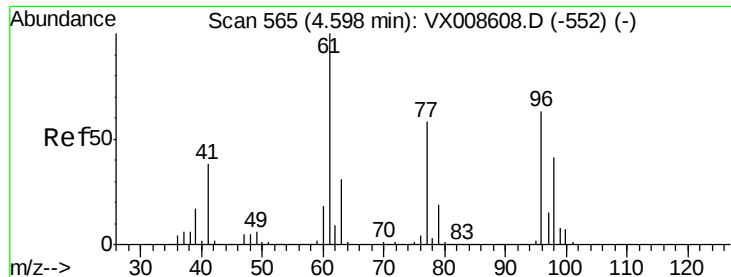


#21

trans-1,2-Dichloroethene
Concen: 1.767 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008691.D
Acq: 05 Apr 2019 18:56

Tgt Ion: 96 Resp: 4549
Ion Ratio Lower Upper
96 100
61 165.9 132.1 198.1
98 65.2 52.2 78.2



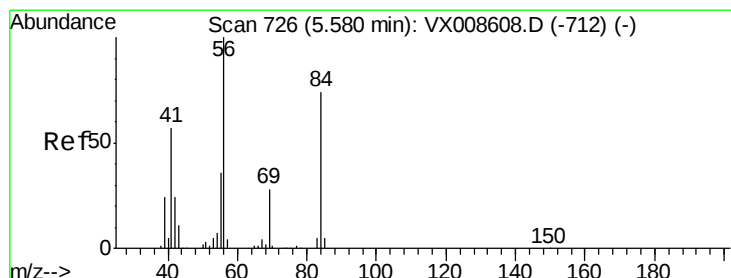
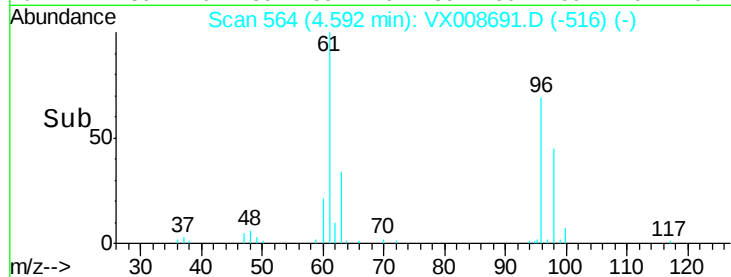
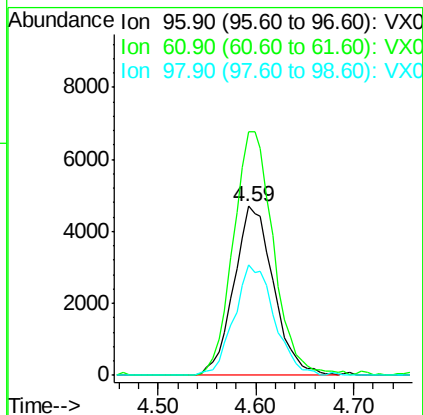
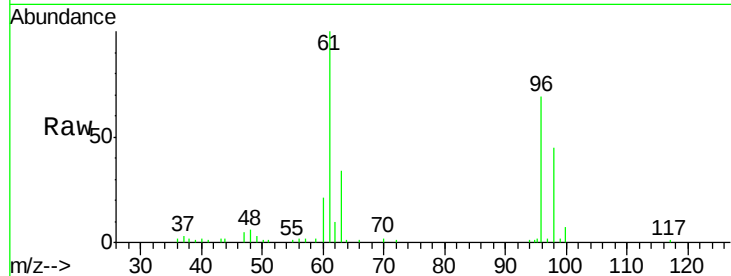


#27

cis-1,2-Dichloroethene
 Concen: 4.462 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008691.D
 Acq: 05 Apr 2019 18:56

Instrument :
 MSVOA_X
 ClientSampled :
 S8-0711DL

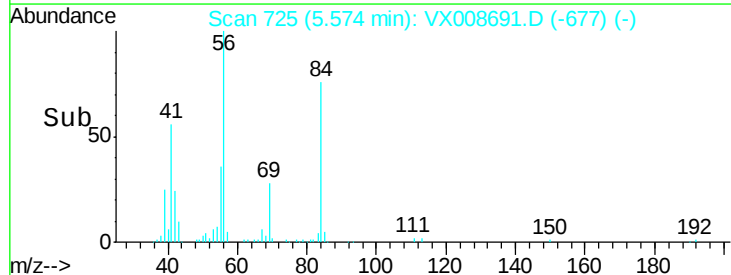
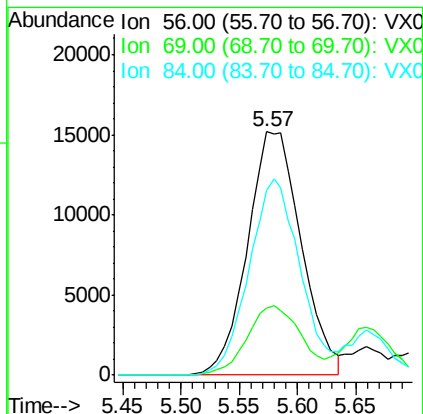
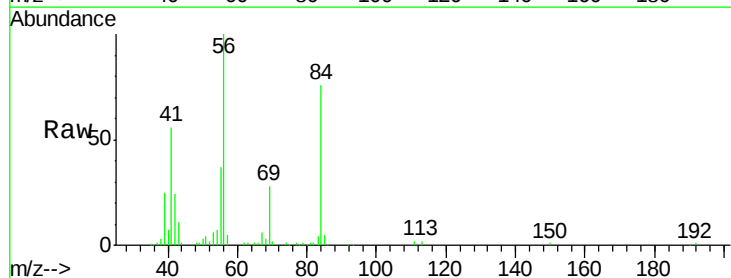
Tgt Ion: 96 Resp: 13204
 Ion Ratio Lower Upper
 96 100
 61 146.1 0.0 327.6
 98 65.6 0.0 128.6

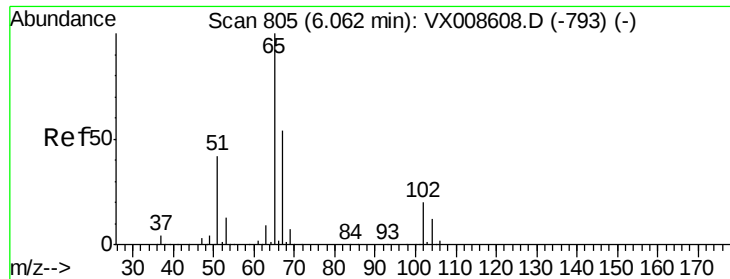


#31

Cyclohexane
 Concen: 9.409 ug/l
 RT: 5.57 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: VX008691.D
 Acq: 05 Apr 2019 18:56

Tgt Ion: 56 Resp: 48809
 Ion Ratio Lower Upper
 56 100
 69 27.6 22.6 33.8
 84 75.9 59.3 88.9





#33

1,2-Dichloroethane-d4

Concen: 47.257 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

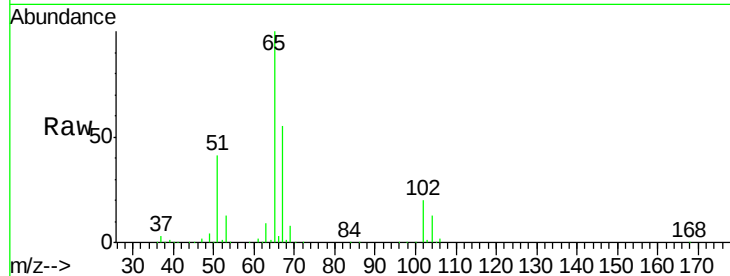
S8-0711DL

Tgt Ion: 65 Resp: 141882

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

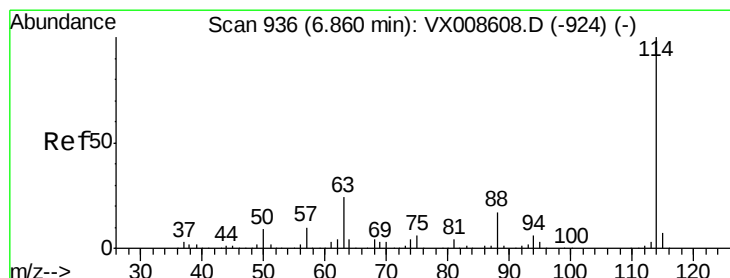
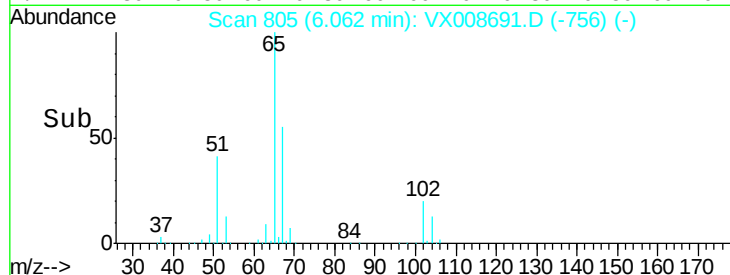
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

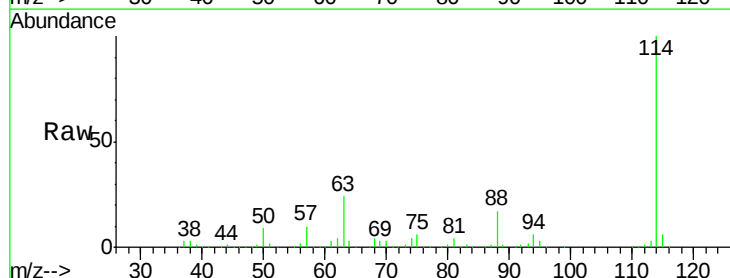
Tgt Ion: 114 Resp: 344186

Ion Ratio Lower Upper

114 100

63 23.6 0.0 47.2

88 16.7 0.0 34.0



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

200000

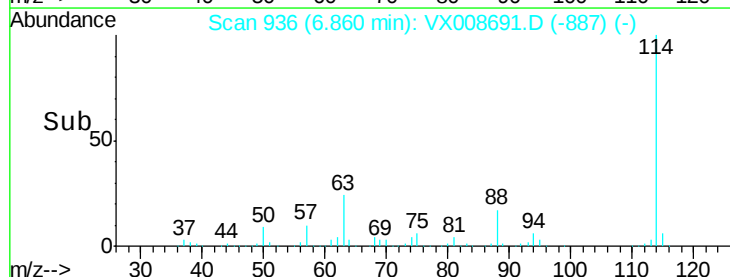
150000

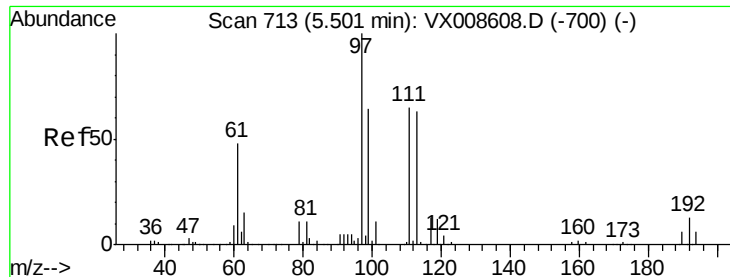
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.911 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

S8-0711DL

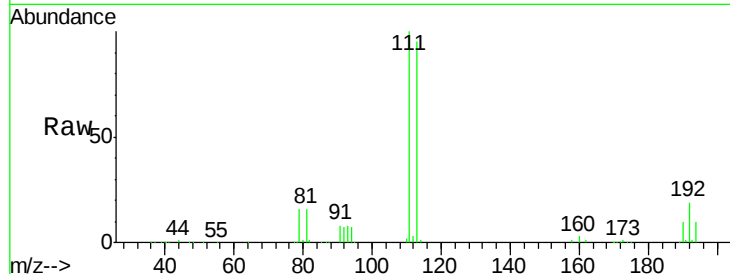
Tgt Ion:113 Resp: 103232

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

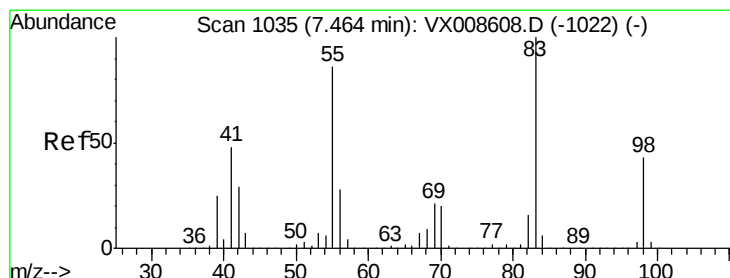
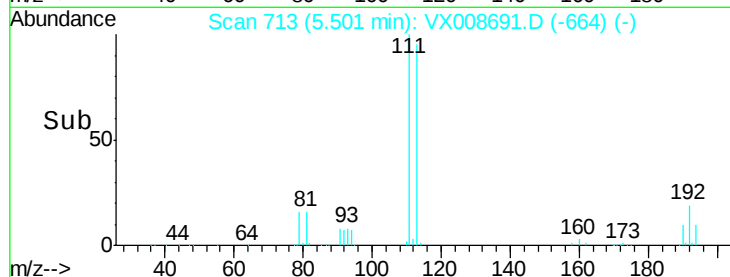
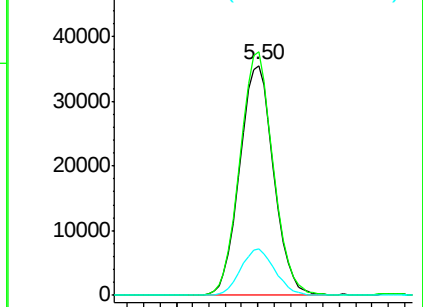
192 20.3 16.1 24.1



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



#39

Methylcyclohexane

Concen: 6.296 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

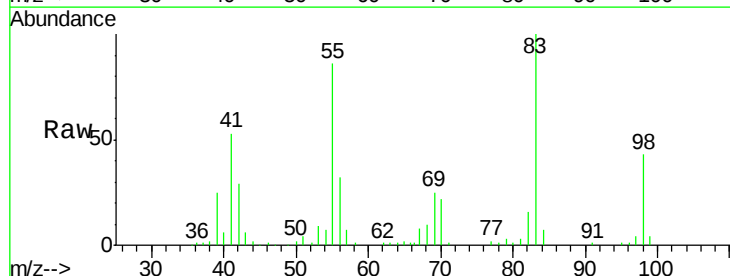
Tgt Ion: 83 Resp: 29262

Ion Ratio Lower Upper

83 100

55 85.7 69.0 103.6

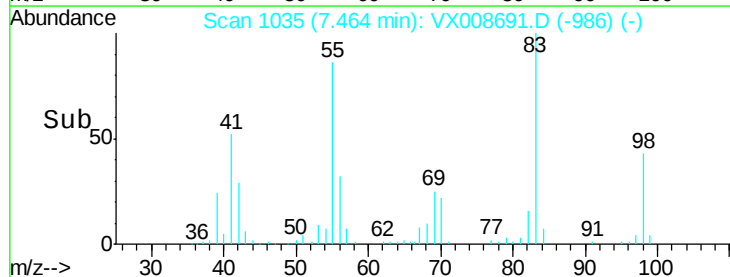
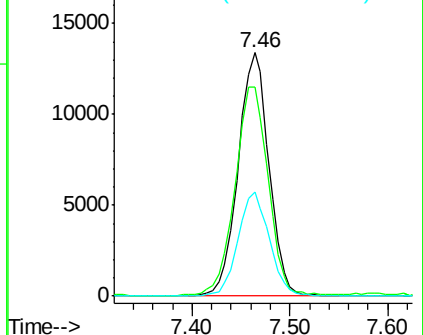
98 42.9 34.4 51.6

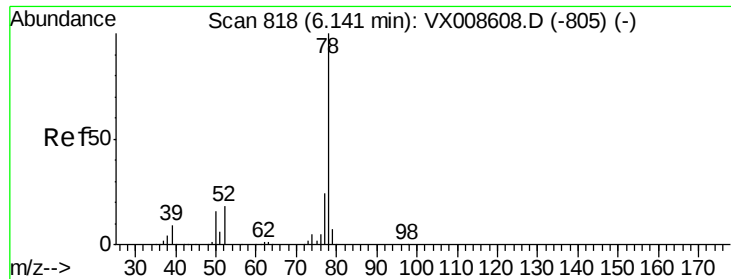


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 4.266 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

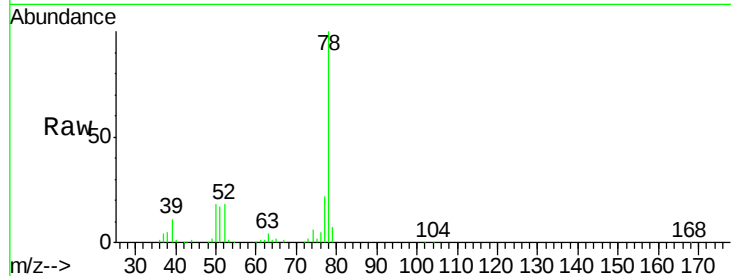
S8-0711DL

Tgt Ion: 78 Resp: 47816

Ion Ratio Lower Upper

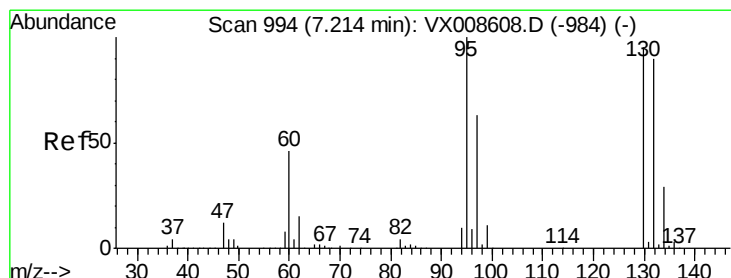
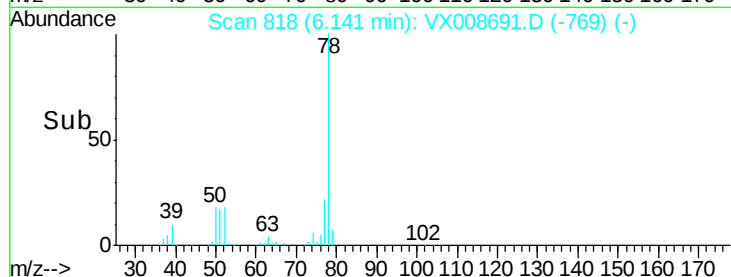
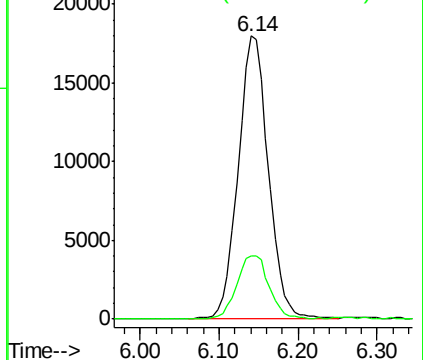
78 100

77 22.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 2.224 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008691.D

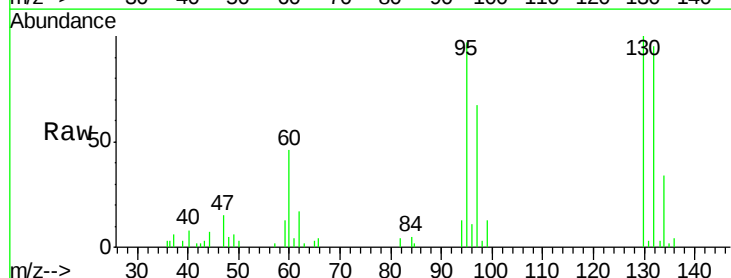
Acq: 05 Apr 2019 18:56

Tgt Ion: 130 Resp: 5807

Ion Ratio Lower Upper

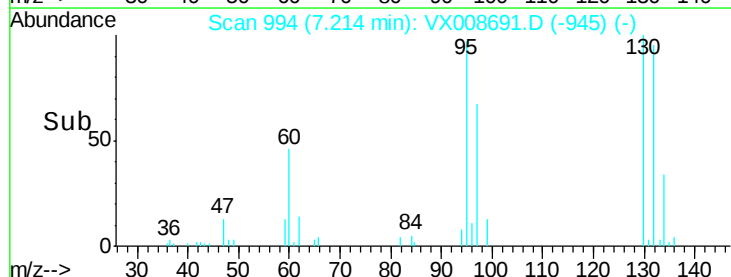
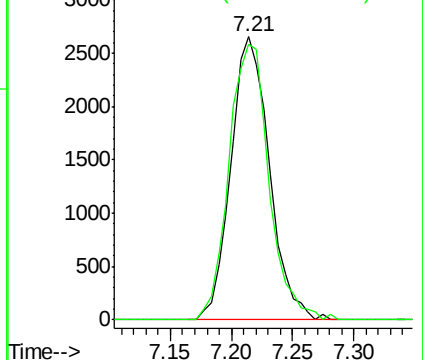
130 100

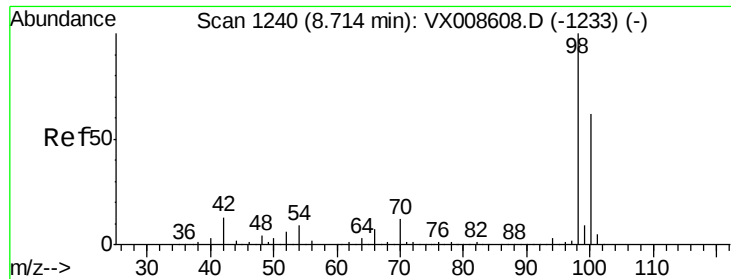
95 97.4 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.538 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

Instrument :

MSVOA_X

ClientSampleID :

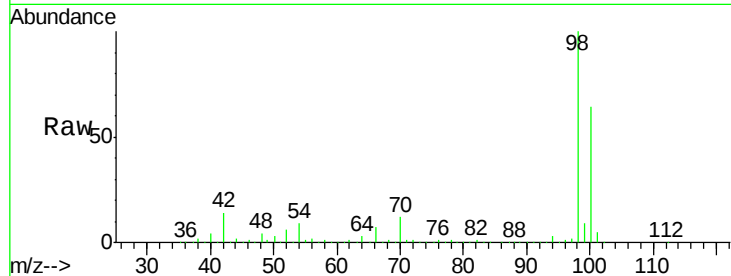
S8-0711DL

Tgt Ion: 98 Resp: 434057

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

300000

250000

200000

150000

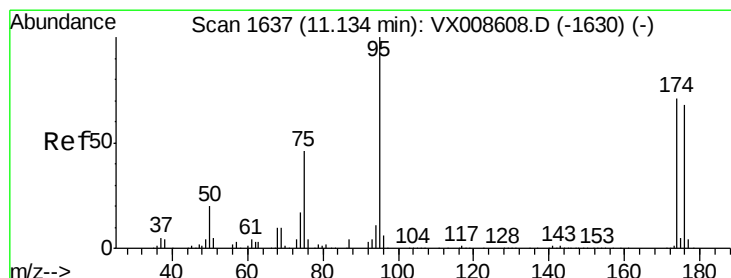
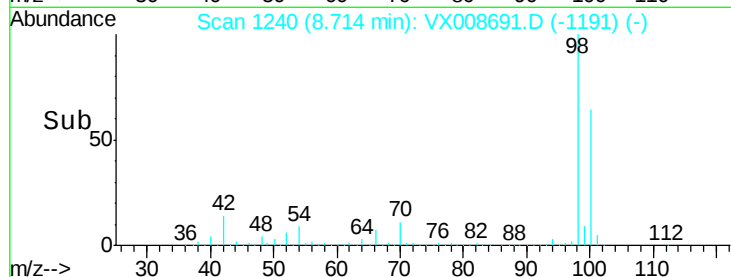
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 47.954 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

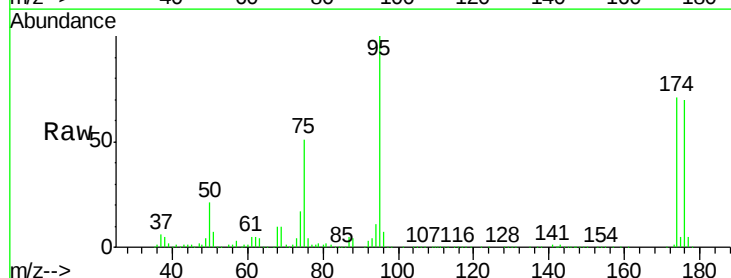
Tgt Ion: 95 Resp: 149003

Ion Ratio Lower Upper

95 100

174 77.1 0.0 151.8

176 75.0 0.0 145.8



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

11.13

150000

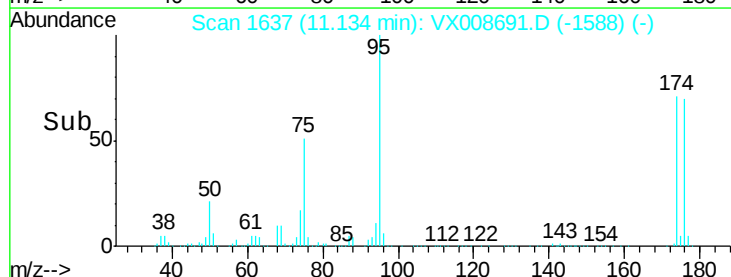
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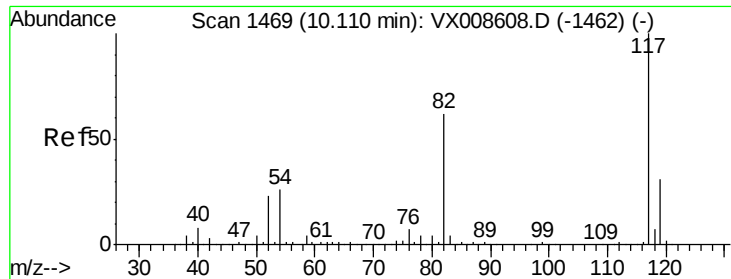
50000

0

Time-->

11.10 11.20

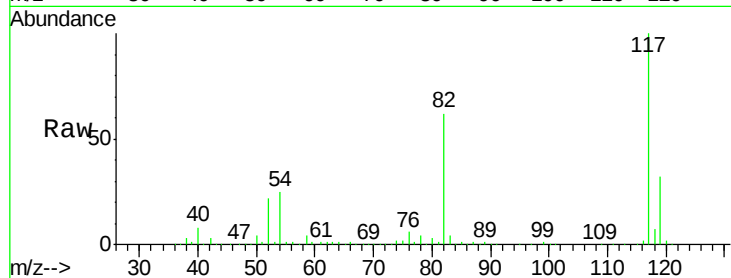




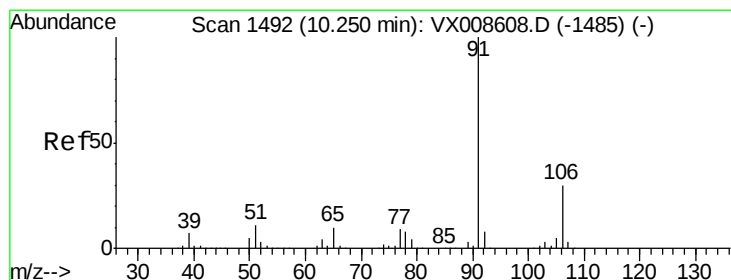
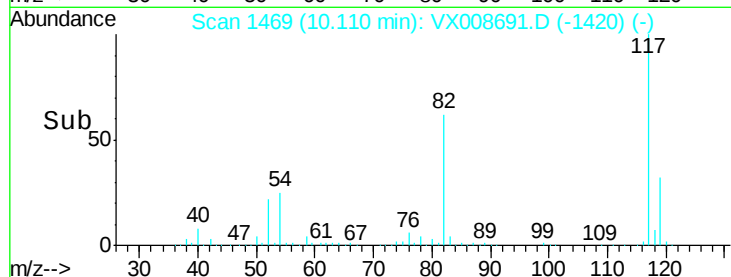
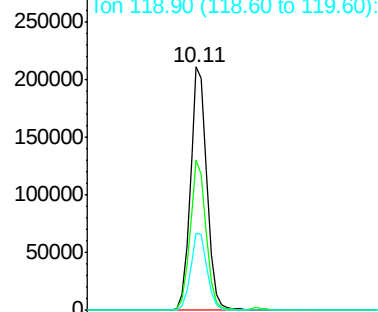
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008691.D
Acq: 05 Apr 2019 18:56

Instrument :
MSVOA_X
ClientSampled :
S8-0711DL

Tgt Ion: 117 Resp: 299706
Ion Ratio Lower Upper
117 100
82 61.6 49.6 74.4
119 31.8 25.0 37.4

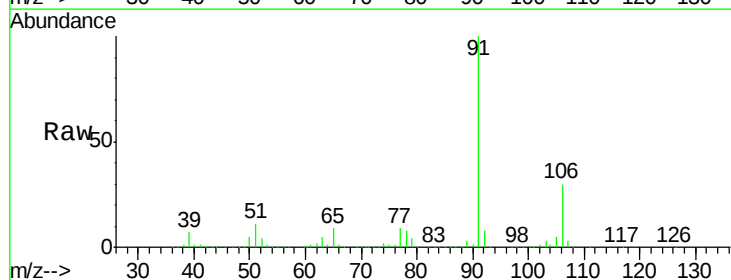


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

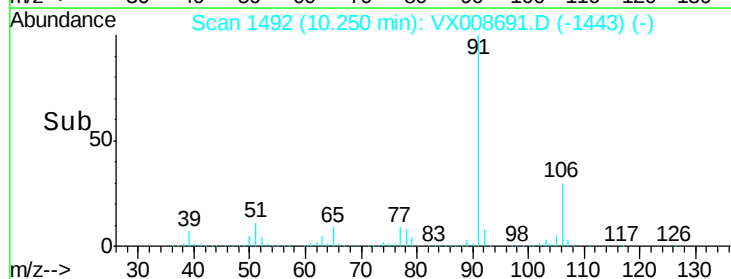
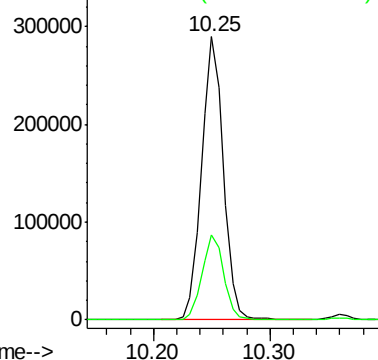


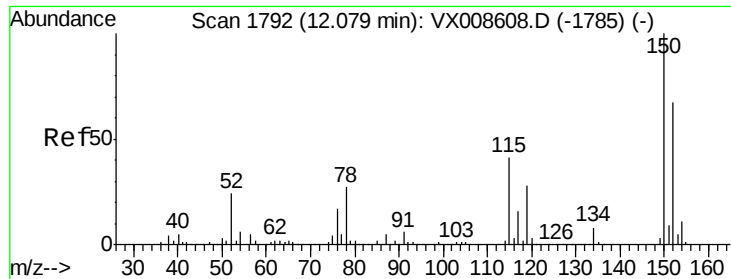
#67
Ethyl Benzene
Concen: 30.440 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008691.D
Acq: 05 Apr 2019 18:56

Tgt Ion: 91 Resp: 377087
Ion Ratio Lower Upper
91 100
106 30.0 23.7 35.5



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

S8-0711DL

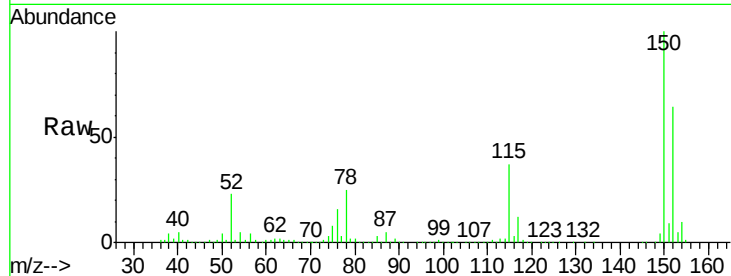
Tgt Ion:152 Resp: 131176

Ion Ratio Lower Upper

152 100

115 60.4 43.5 130.5

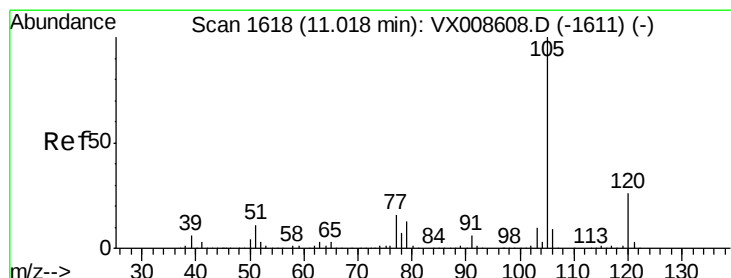
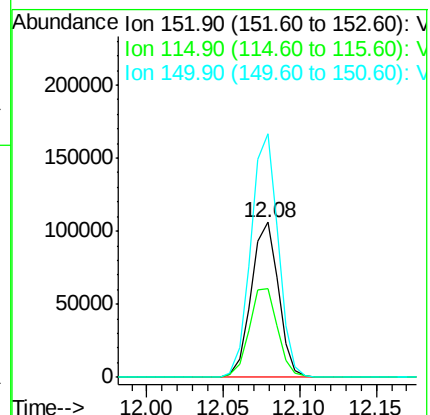
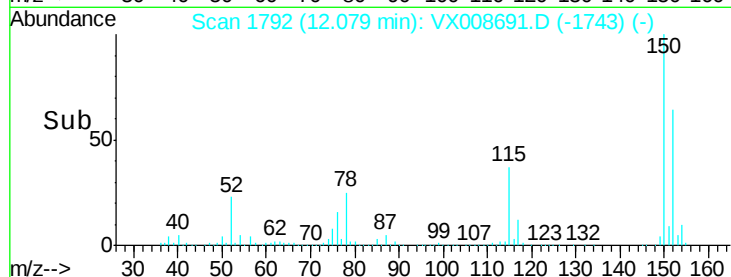
150 157.5 0.0 348.8



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: 6.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008691.D

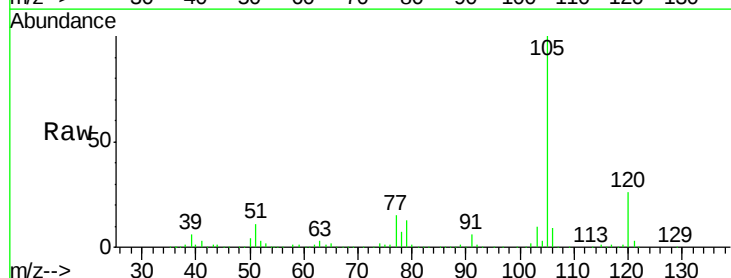
Acq: 05 Apr 2019 18:56

Tgt Ion:105 Resp: 68467

Ion Ratio Lower Upper

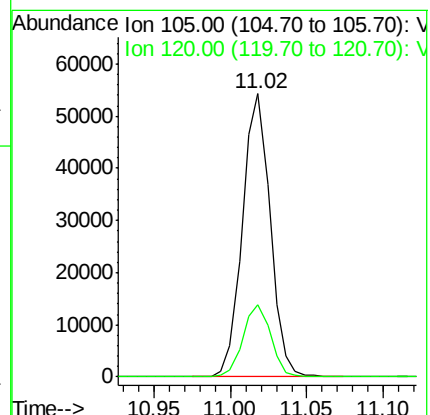
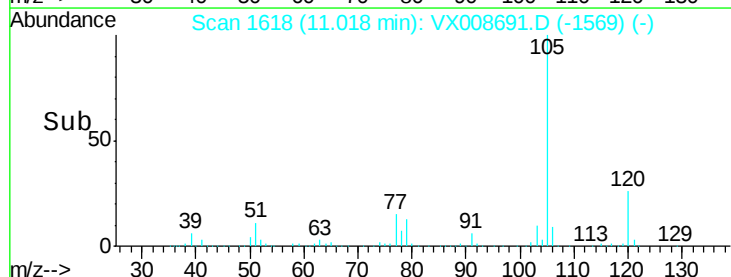
105 100

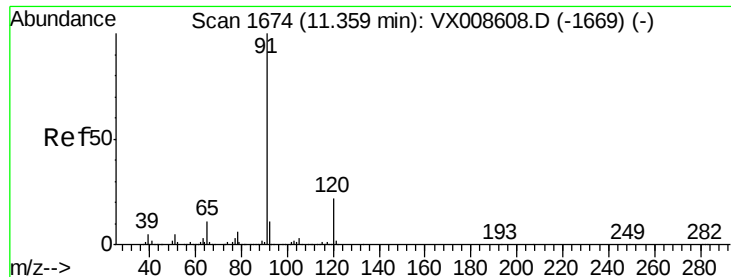
120 25.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.893 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008691.D

Acq: 05 Apr 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

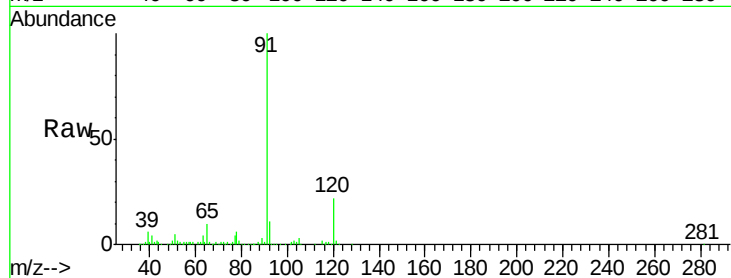
S8-0711DL

Tgt Ion: 91 Resp: 49283

Ion Ratio Lower Upper

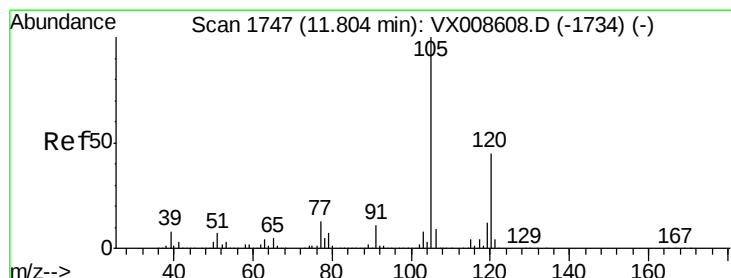
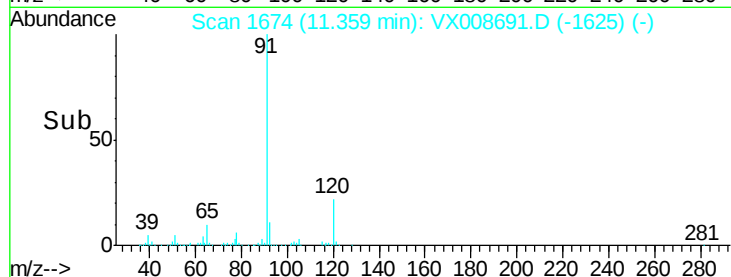
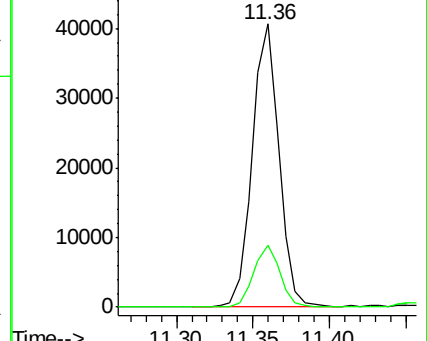
91 100

120 21.6 10.9 32.7



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: 0.544 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008691.D

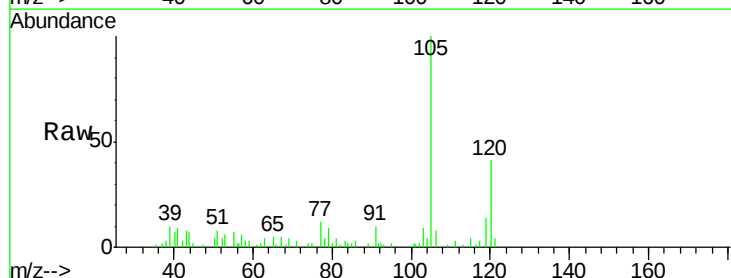
Acq: 05 Apr 2019 18:56

Tgt Ion: 105 Resp: 5030

Ion Ratio Lower Upper

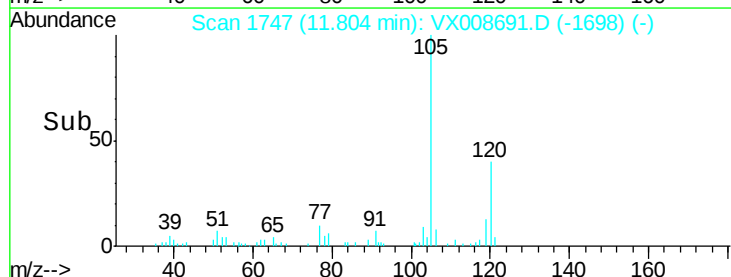
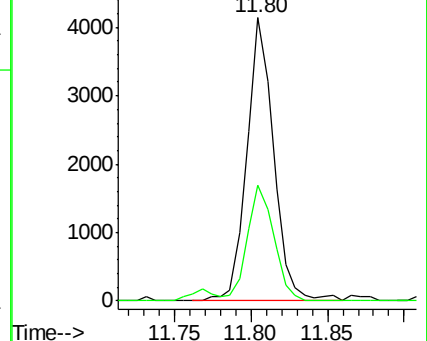
105 100

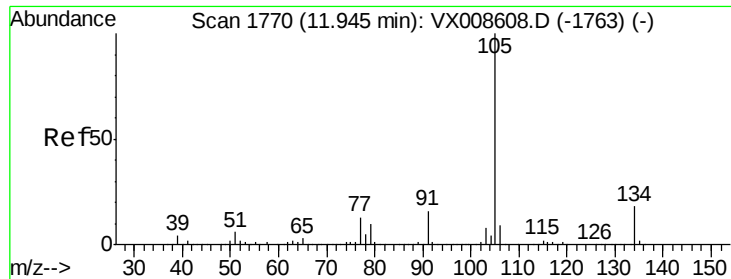
120 40.4 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

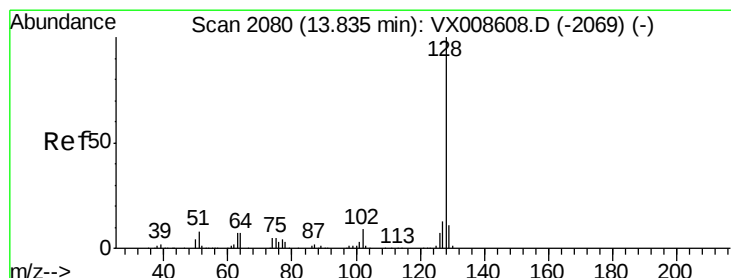
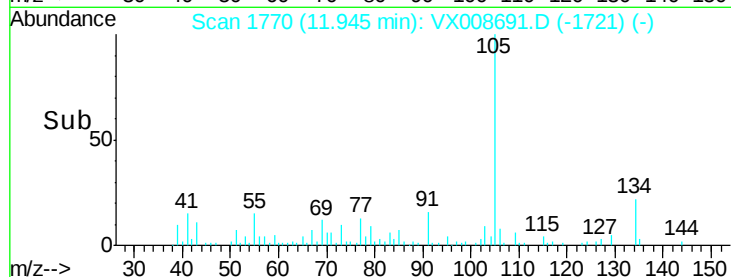
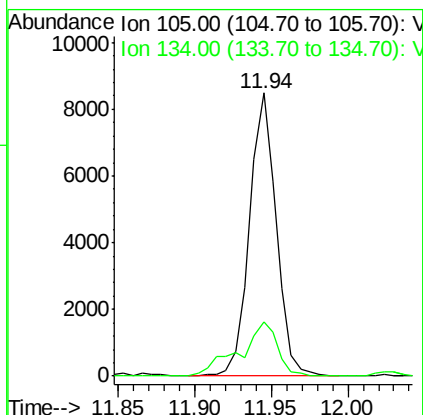
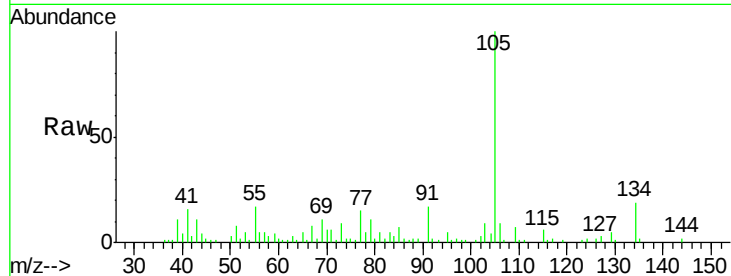




#85
 sec-Butylbenzene
 Concen: 0.989 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008691.D
 Acq: 05 Apr 2019 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0711DL

Tgt Ion:105 Resp: 10313
 Ion Ratio Lower Upper
 105 100
 134 27.3 9.4 28.2



#95
 Naphthalene
 Concen: 0.605 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX008691.D
 Acq: 05 Apr 2019 18:56

Tgt Ion:128 Resp: 6530
 Ion Ratio Lower Upper
 128 100
 127 18.6 10.4 15.6#
 129 23.0 8.6 13.0#

