

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\
 Data File : VX011532.D
 Acq On : 13 Aug 2019 13:44
 Operator : JC/SP
 Sample : K4279-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671DL

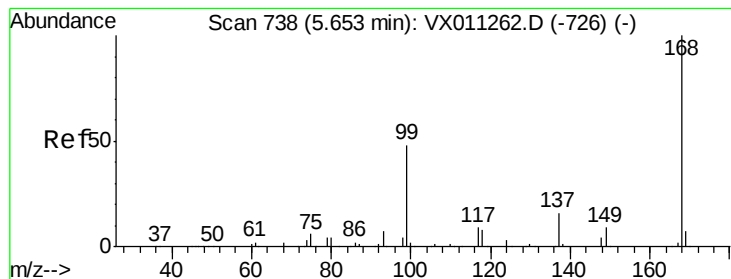
Quant Time: Aug 14 11:44:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	195433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288903	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135301	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	106257	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
35) Dibromofluoromethane	5.49	113	85048	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
50) Toluene-d8	8.71	98	340301	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.13	95	122193	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	71534	28.224	ug/l	94
39) Methylcyclohexane	7.46	83	62569	20.927	ug/l	98
40) Benzene	6.13	78	163283	21.693	ug/l	95
67) Ethyl Benzene	10.25	91	314614	33.115	ug/l	99
68) m/p-Xylenes	10.36	106	52352	14.246	ug/l	98
73) Isopropylbenzene	11.02	105	23694	2.561	ug/l	99
78) n-propylbenzene	11.36	91	23550	2.288	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	37148	4.796	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	230741	29.918	ug/l	100
95) Naphthalene	13.83	128	23914	2.707	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

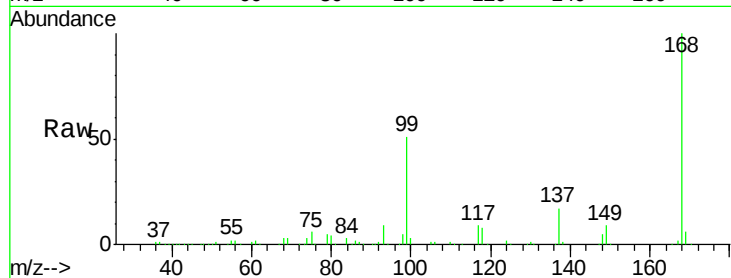
Z3-0671DL

Tot Ion:168 Resp: 195433

Ion Ratio Lower Upper

168 100

99 51.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

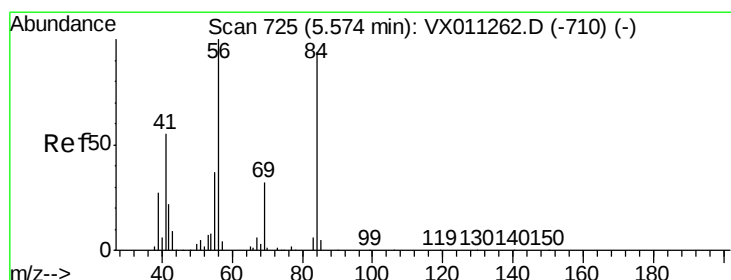
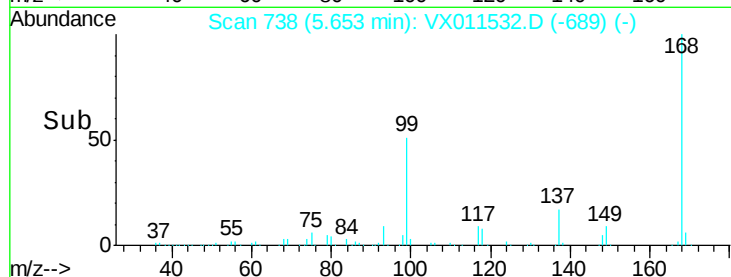
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 28.224 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

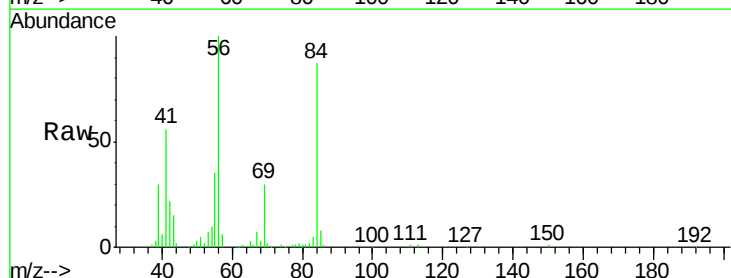
Tgt Ion: 56 Resp: 71534

Ion Ratio Lower Upper

56 100

69 29.3 25.5 38.3

84 87.4 75.0 112.4



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

5.57

30000

25000

20000

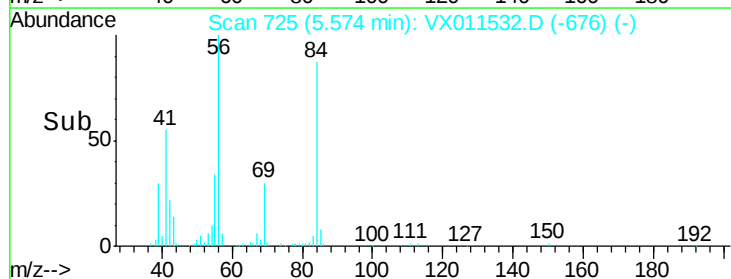
15000

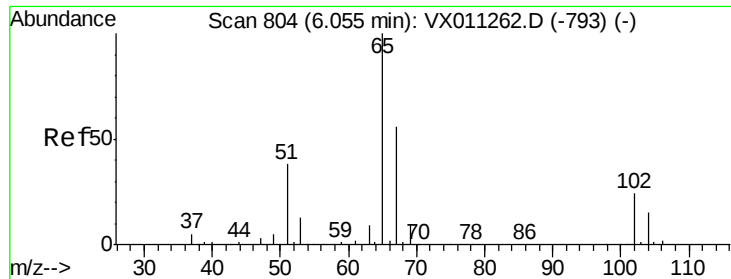
10000

5000

0

Time--> 5.50 5.60





#33

1,2-Dichloroethane-d4

Concen: 53.989 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

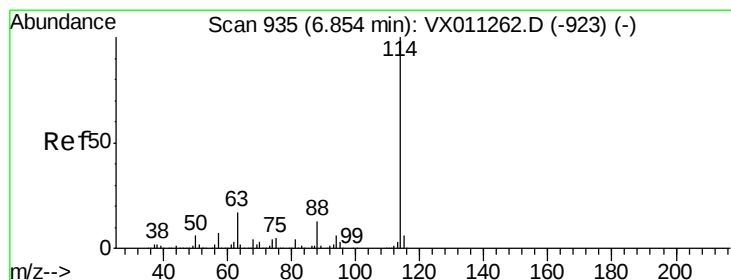
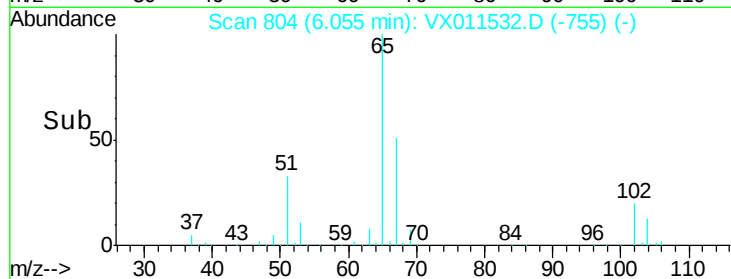
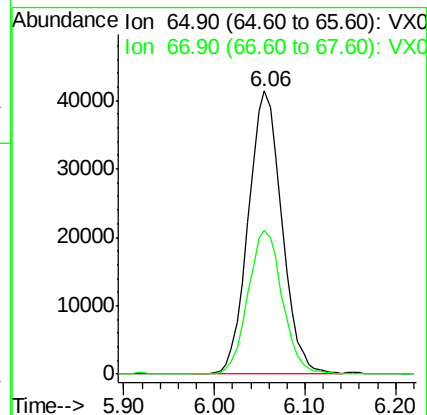
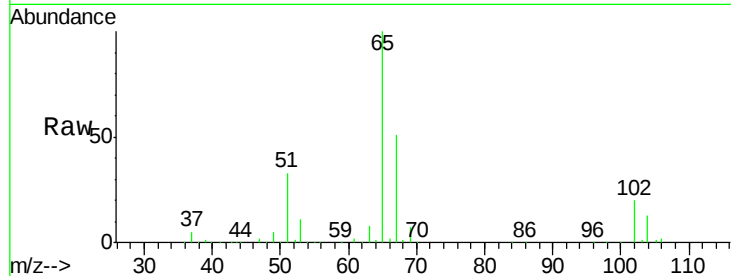
Z3-0671DL

Tot Ion: 65 Resp: 106257

Ion Ratio Lower Upper

65 100

67 51.8 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

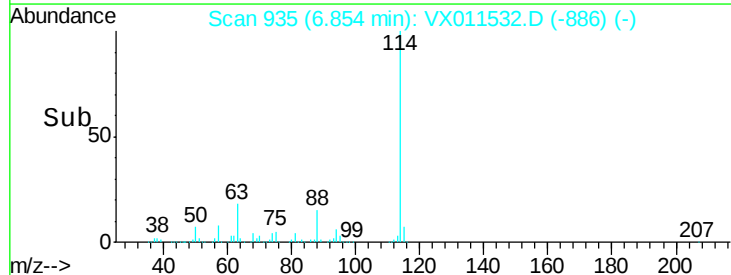
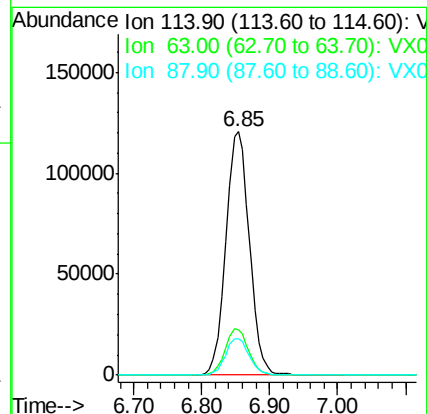
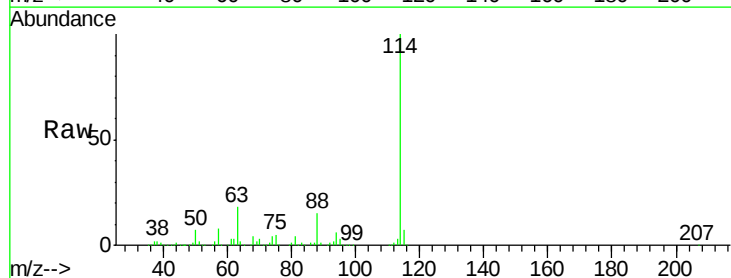
Tgt Ion: 114 Resp: 288903

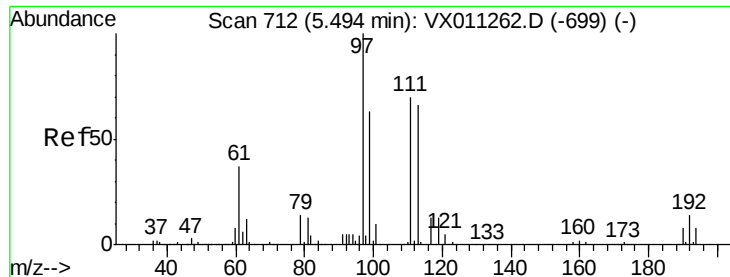
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 15.2 0.0 26.4





#35

Dibromofluoromethane

Concen: 45.090 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671DL

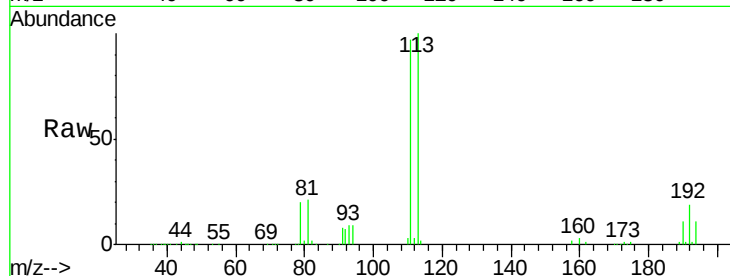
Tot Ion:113 Resp: 85048

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

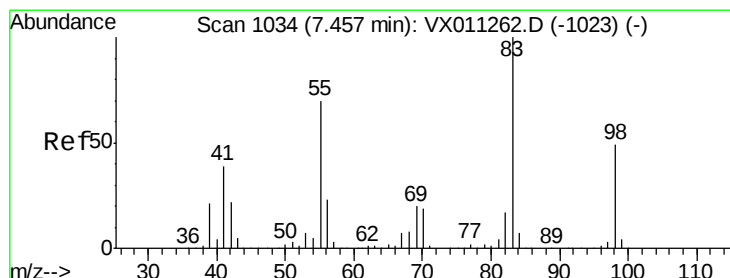
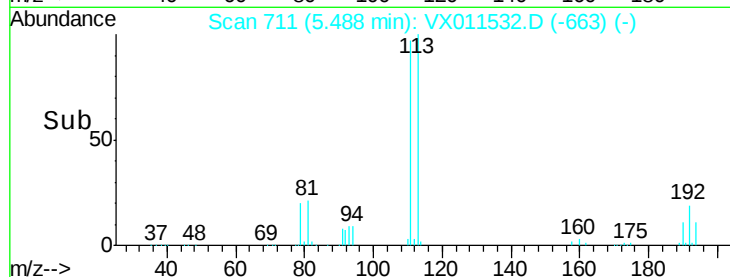
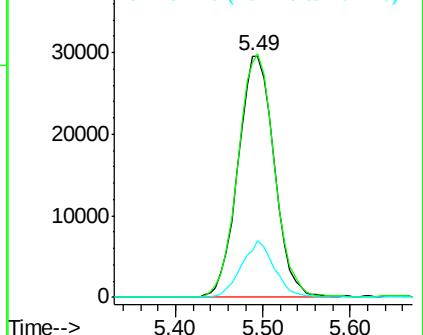
192 21.4 17.8 26.8



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: 20.927 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

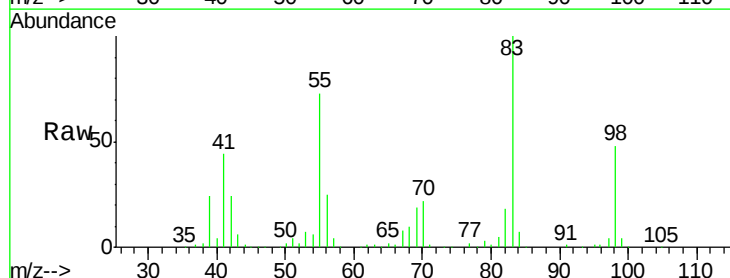
Tgt Ion: 83 Resp: 62569

Ion Ratio Lower Upper

83 100

55 72.9 56.1 84.1

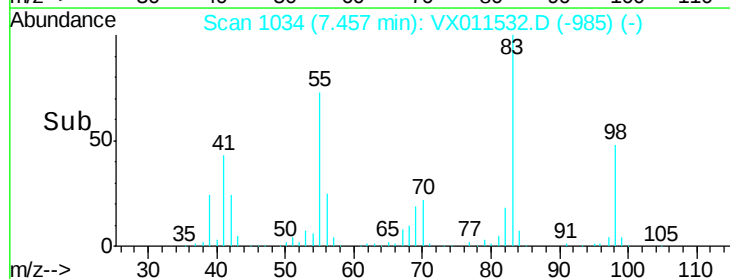
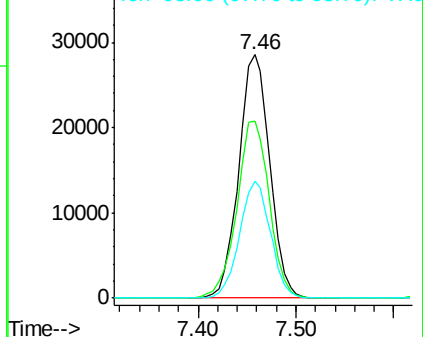
98 48.1 39.0 58.4

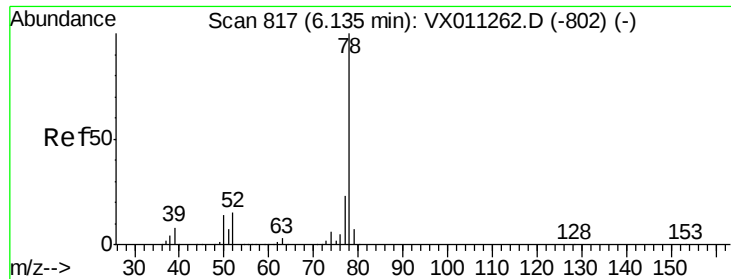


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 21.693 ug/l

RT: 6.13 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

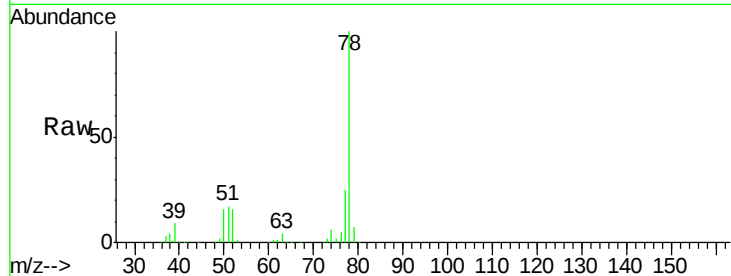
Z3-0671DL

Tot Ion: 78 Resp: 163283

Ion Ratio Lower Upper

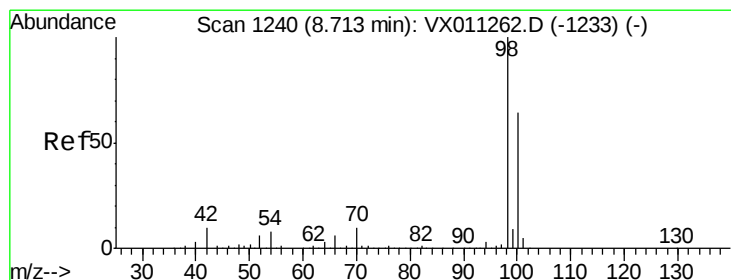
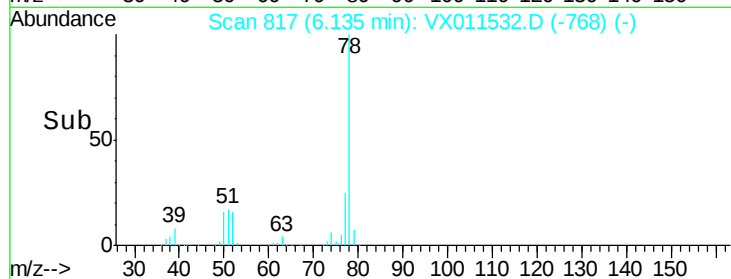
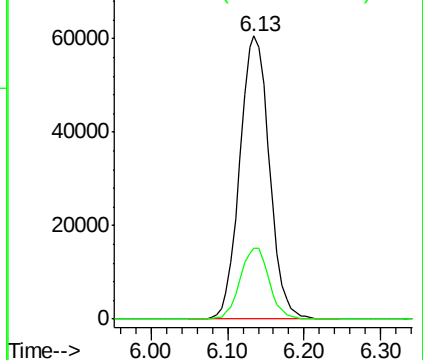
78 100

77 25.2 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.797 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011532.D

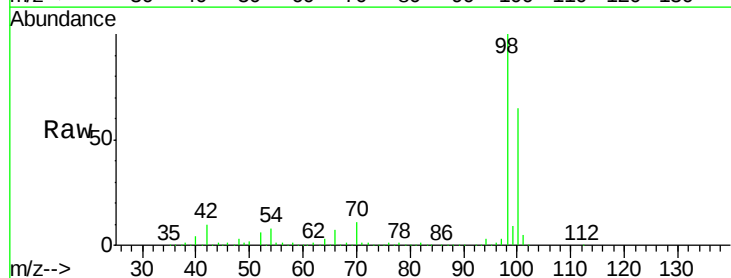
Acq: 13 Aug 2019 13:44

Tgt Ion: 98 Resp: 340301

Ion Ratio Lower Upper

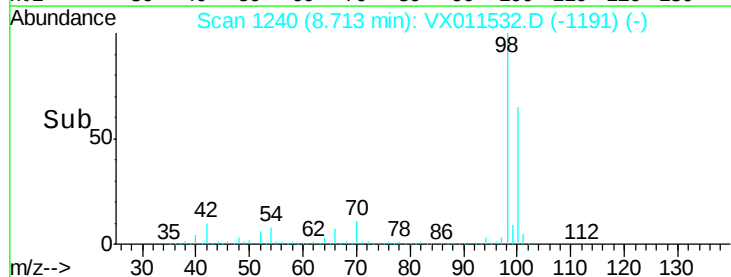
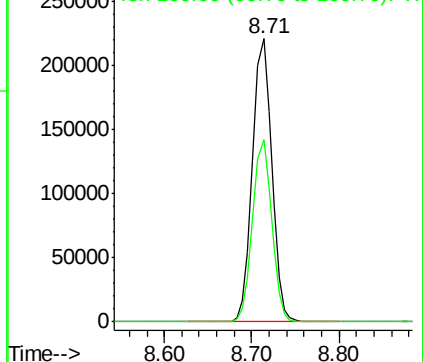
98 100

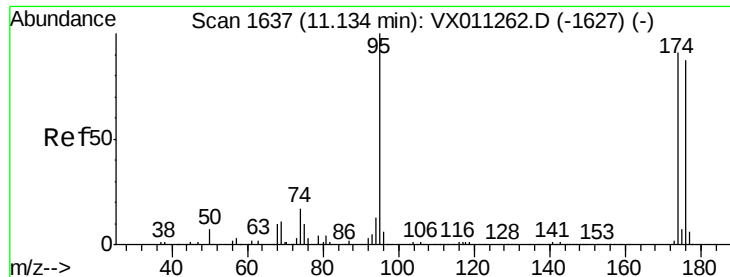
100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.070 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671DL

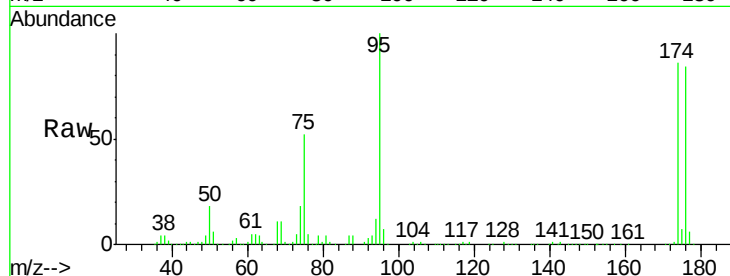
Tot Ion: 95 Resp: 122193

Ion Ratio Lower Upper

95 100

174 88.6 0.0 191.2

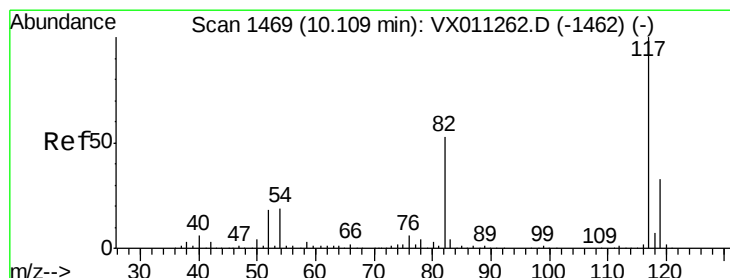
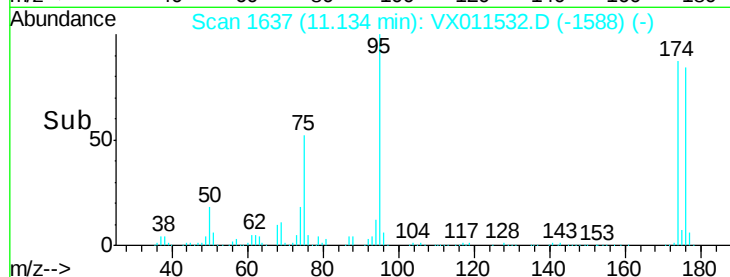
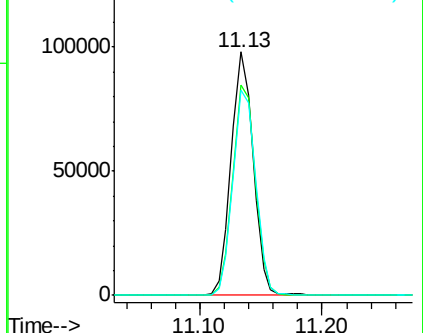
176 87.1 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011262.D (-1627) (-)

Ion 173.80 (173.50 to 174.50): VX011262.D (-1627) (-)

Ion 175.80 (175.50 to 176.50): VX011262.D (-1627) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

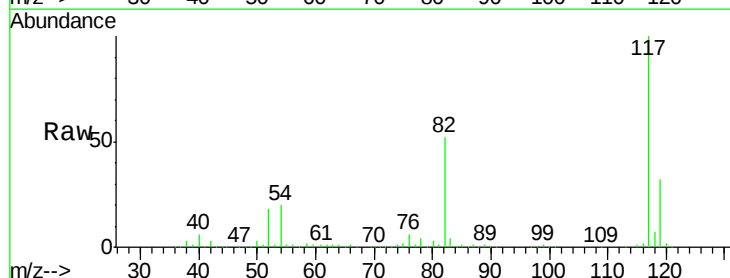
Tgt Ion: 117 Resp: 264581

Ion Ratio Lower Upper

117 100

82 51.5 42.2 63.2

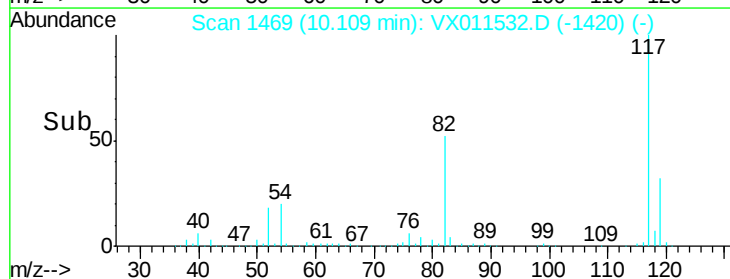
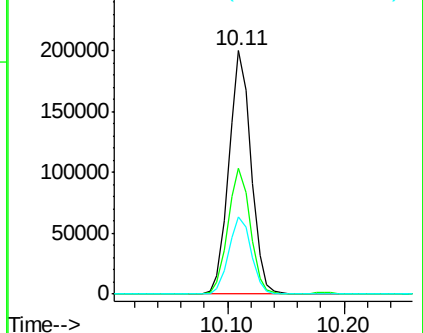
119 31.7 26.6 39.8

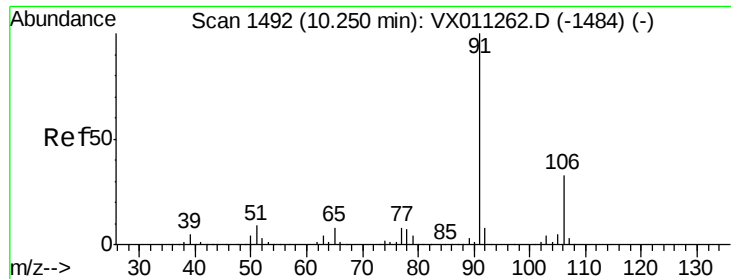


Abundance Ion 116.90 (116.60 to 117.60): VX011262.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011262.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011262.D (-1462) (-)

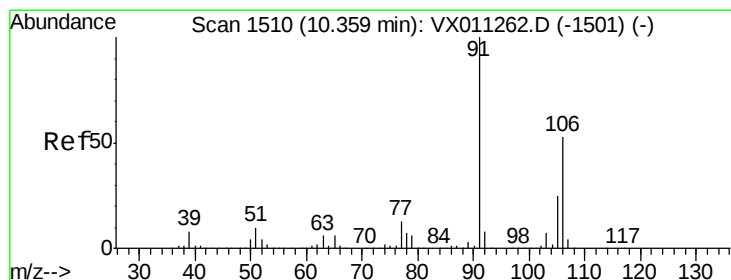
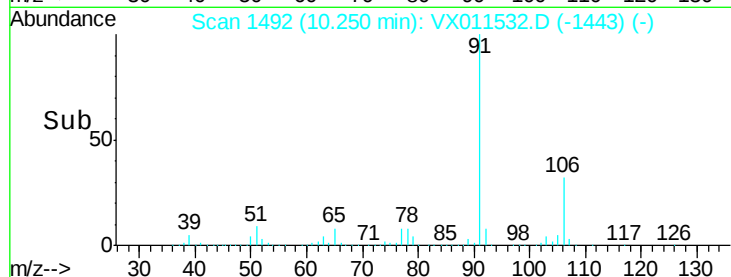
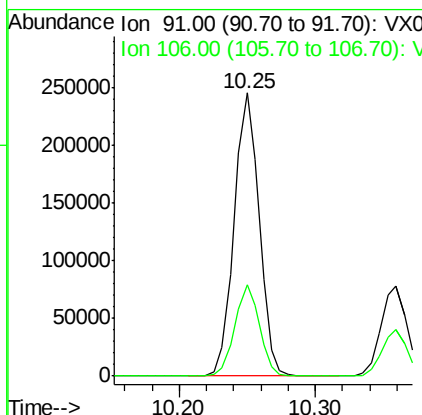
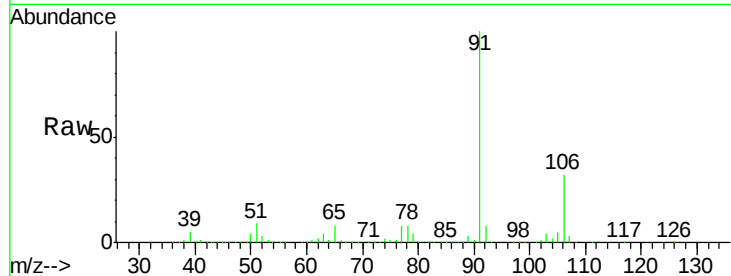




#67
Ethyl Benzene
Concen: 33.115 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011532.D
Acq: 13 Aug 2019 13:44

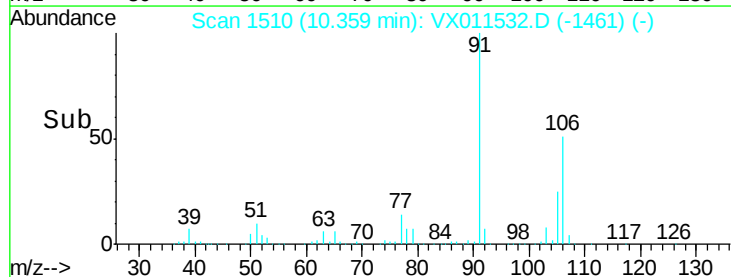
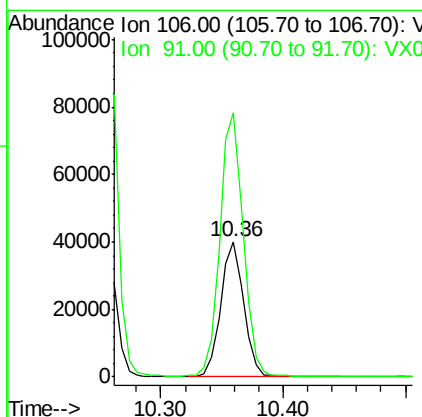
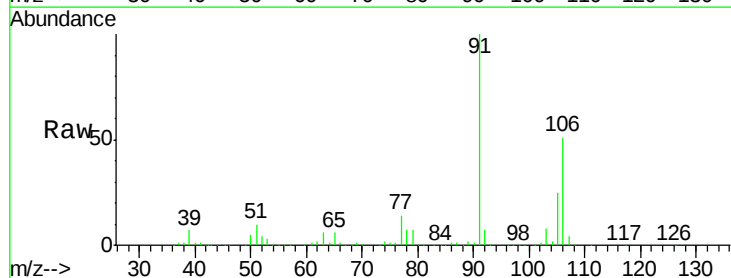
Instrument :
MSVOA_X
ClientSampled :
Z3-0671DL

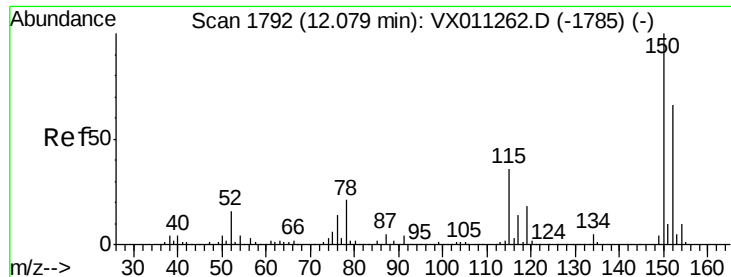
Tot Ion: 91 Resp: 314614
Ion Ratio Lower Upper
91 100
106 32.3 26.2 39.4



#68
m/p-Xylenes
Concen: 14.246 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011532.D
Acq: 13 Aug 2019 13:44

Tgt Ion: 106 Resp: 52352
Ion Ratio Lower Upper
106 100
91 197.7 155.9 233.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671DL

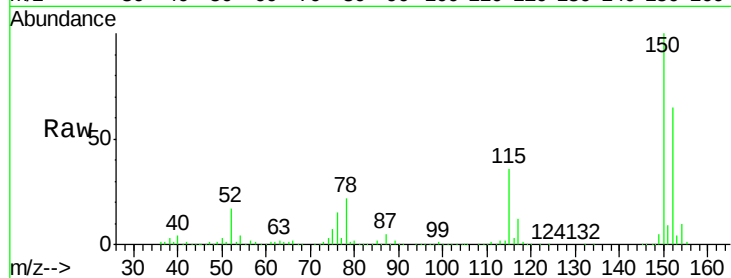
Tot Ion:152 Resp: 135301

Ion Ratio Lower Upper

152 100

115 56.0 40.0 119.9

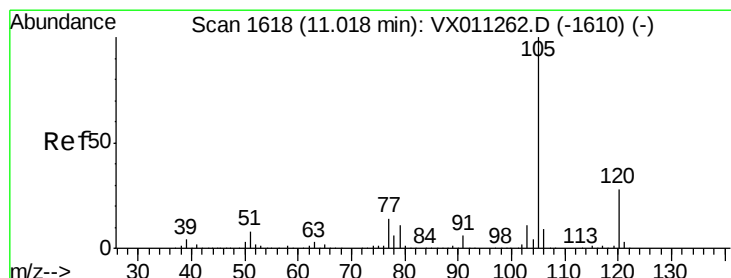
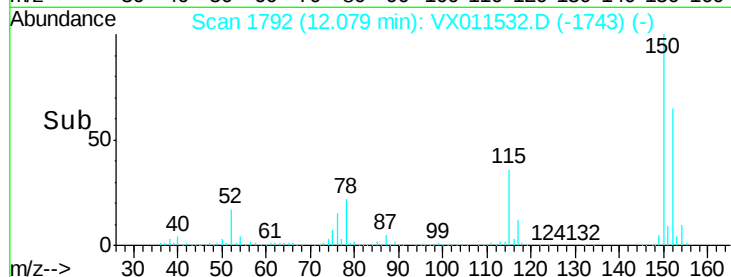
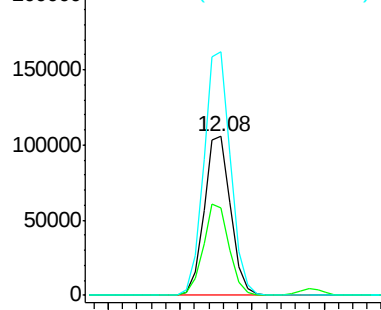
150 155.3 0.0 350.4



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: 2.561 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011532.D

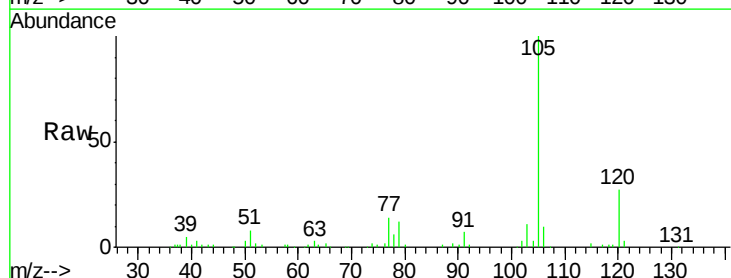
Acq: 13 Aug 2019 13:44

Tgt Ion:105 Resp: 23694

Ion Ratio Lower Upper

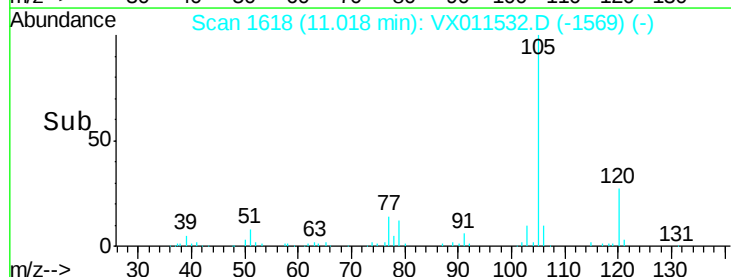
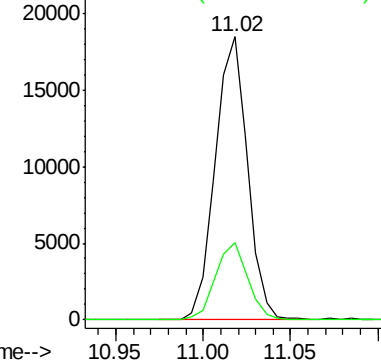
105 100

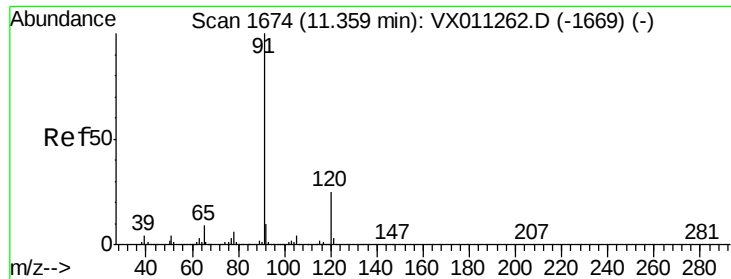
120 27.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

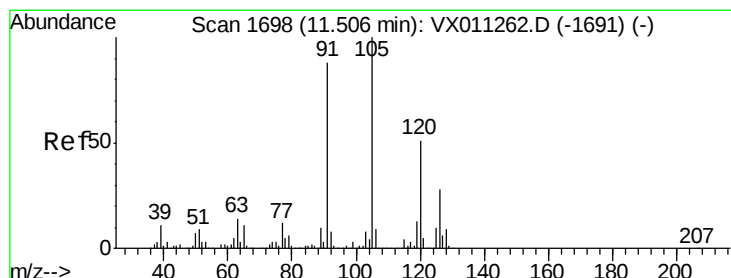
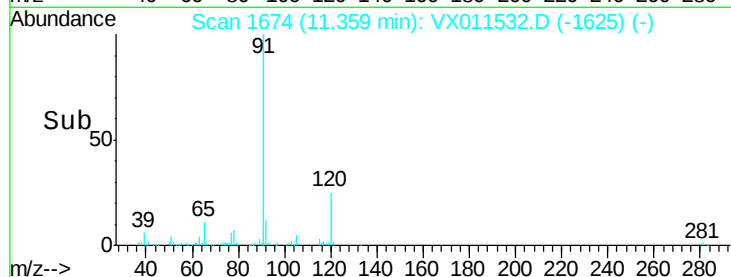
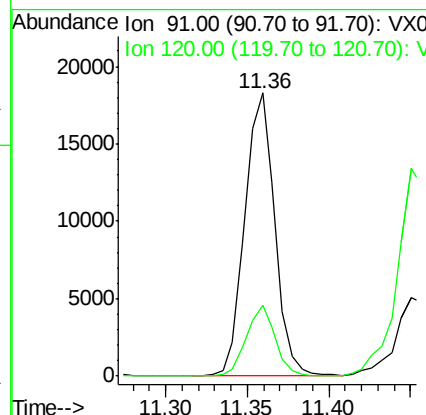
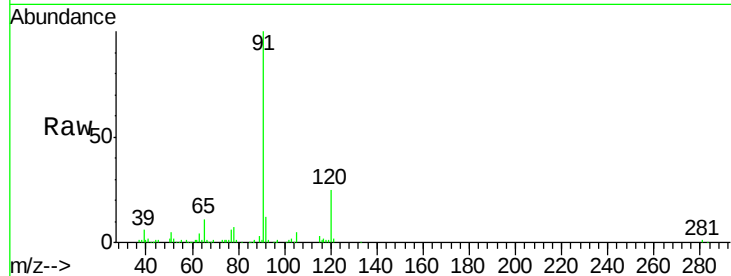




#78
n-propylbenzene
Concen: 2.288 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011532.D
Acq: 13 Aug 2019 13:44

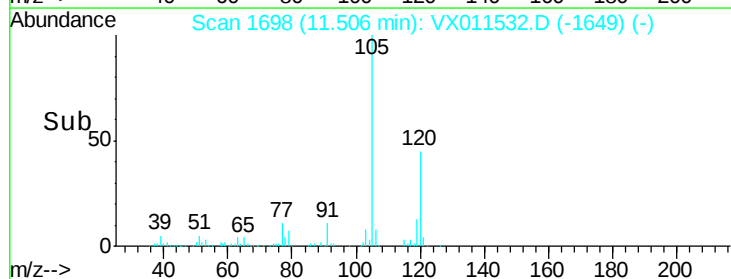
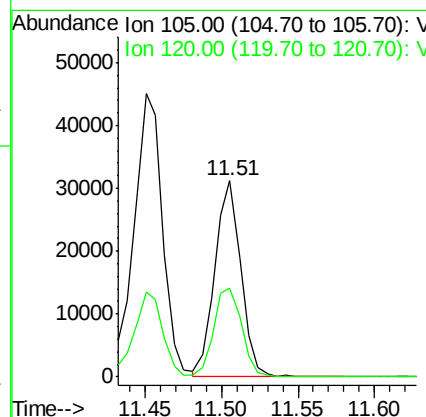
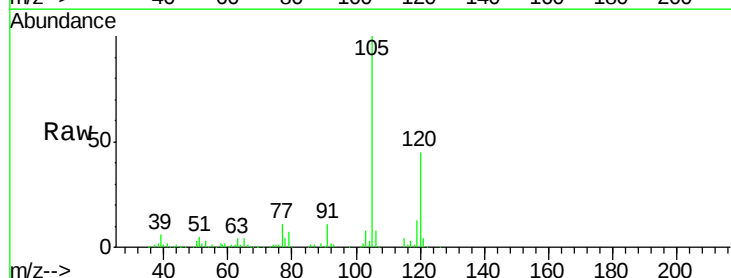
Instrument :
MSVOA_X
ClientSampled :
Z3-0671DL

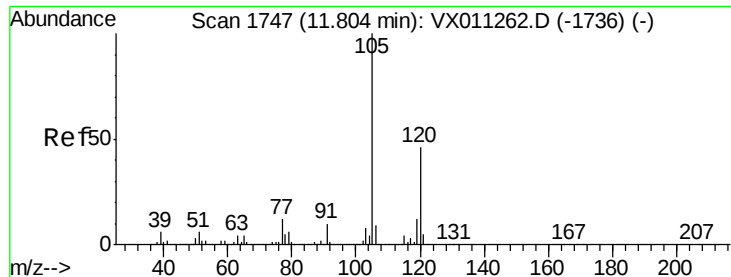
Tot Ion: 91 Resp: 23550
Ion Ratio Lower Upper
91 100
120 24.1 12.4 37.0



#80
1,3,5-Trimethylbenzene
Concen: 4.796 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011532.D
Acq: 13 Aug 2019 13:44

Tgt Ion: 105 Resp: 37148
Ion Ratio Lower Upper
105 100
120 48.7 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 29.918 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

Instrument :

MSVOA_X

ClientSampled :

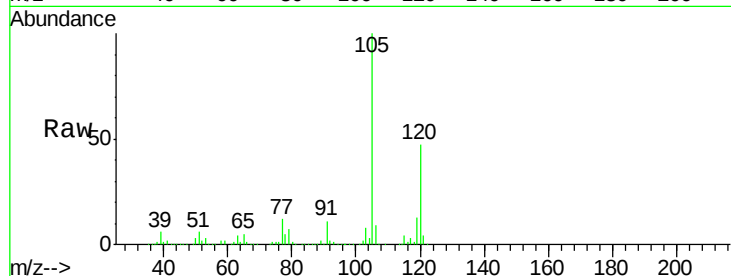
Z3-0671DL

Tot Ion:105 Resp: 230741

Ion Ratio Lower Upper

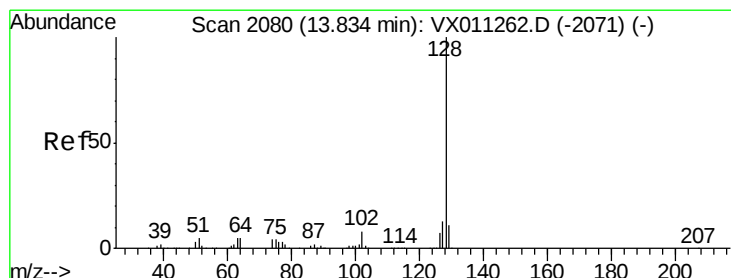
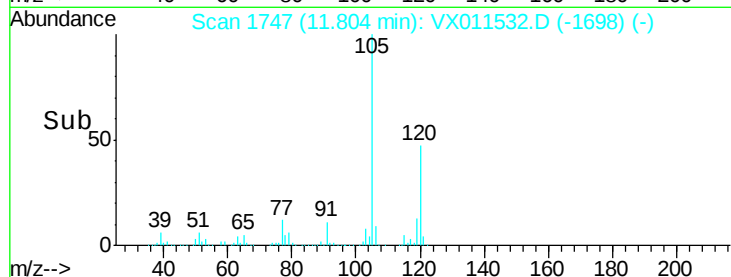
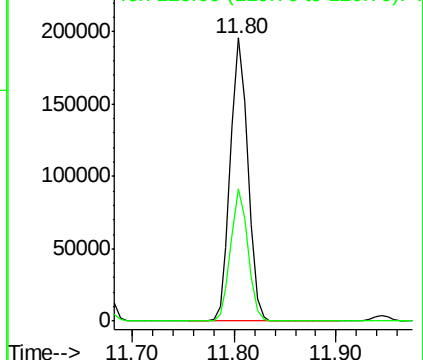
105 100

120 46.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.707 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011532.D

Acq: 13 Aug 2019 13:44

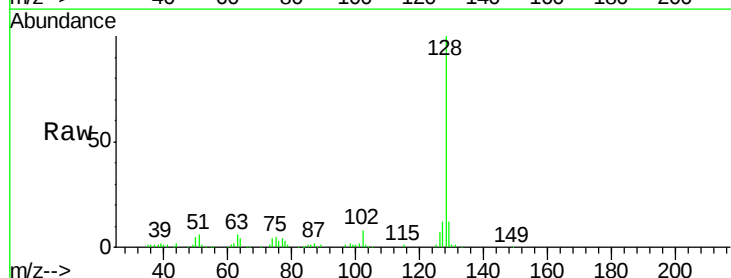
Tgt Ion:128 Resp: 23914

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 13.0 8.9 13.3



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

