

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013664.D
 Acq On : 27 Nov 2019 20:08
 Operator : JC/SP
 Sample : K6027-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1A

Quant Time: Dec 02 06:20:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	692505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1088529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	982751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	457644	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	391300	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	5.49	113	324711	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	8.71	98	1311331	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.13	95	448702	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	

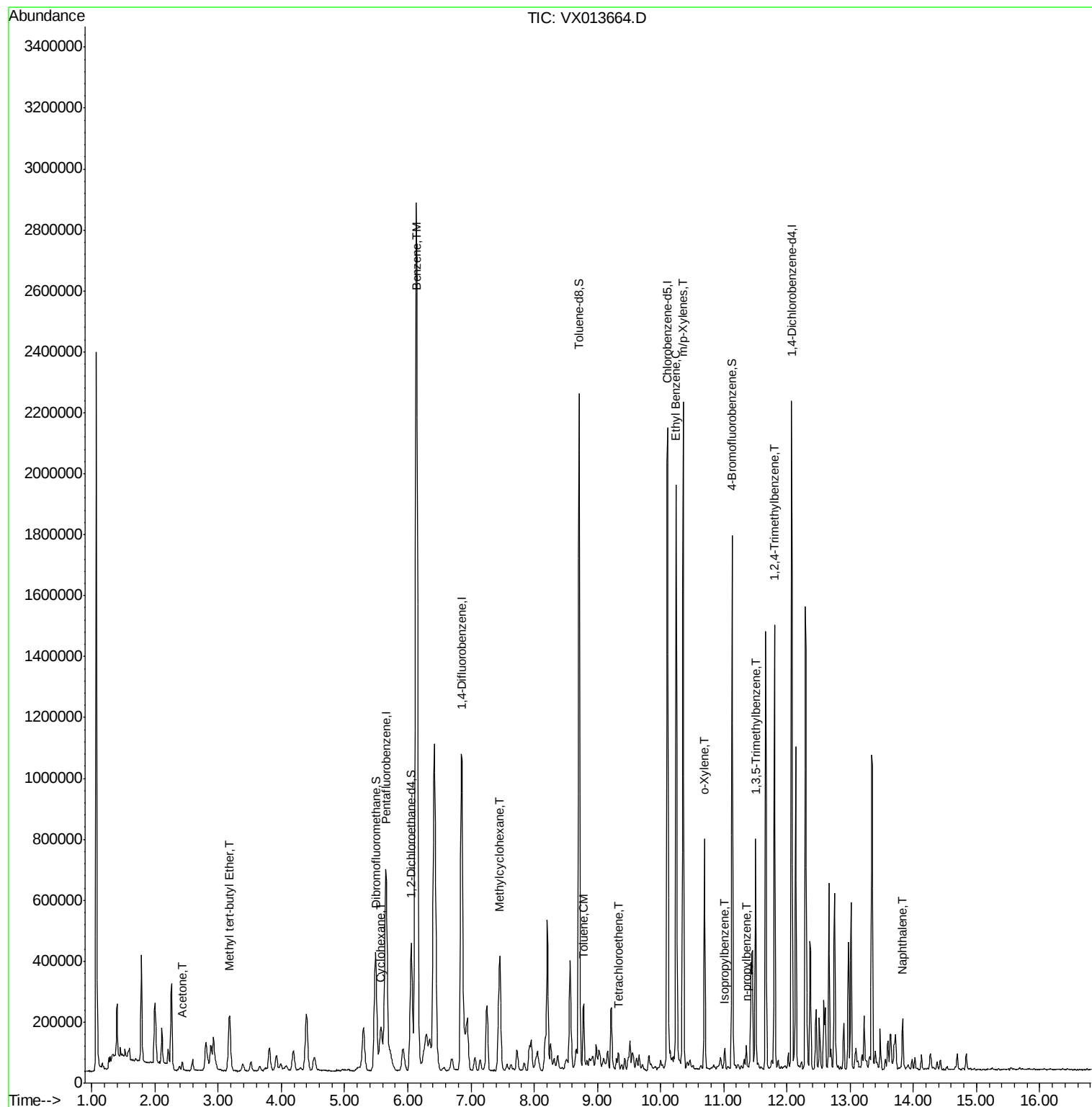
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	30844	7.772	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	154171	7.062	ug/l #	68
31) Cyclohexane	5.57	56	101944	8.585	ug/l	94
39) Methylcyclohexane	7.45	83	161180	13.196	ug/l	92
40) Benzene	6.14	78	3453472	114.754	ug/l	99
52) Toluene	8.78	92	80468	4.304	ug/l	100
64) Tetrachloroethene	9.33	164	12345	1.684	ug/l	88
67) Ethyl Benzene	10.24	91	1138575	32.473	ug/l	99
68) m/p-Xylenes	10.35	106	509942	37.988	ug/l	100
69) o-Xylene	10.70	106	162321	12.398	ug/l	98
73) Isopropylbenzene	11.01	105	32227	1.004	ug/l	97
78) n-propylbenzene	11.35	91	42003	1.172	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	322268	12.249	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	665738	24.932	ug/l	99
95) Naphthalene	13.83	128	104741	3.379	ug/l	97

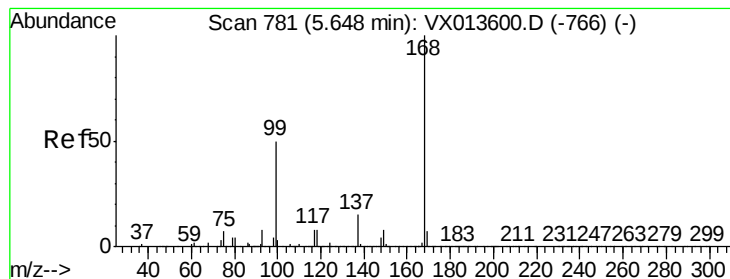
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

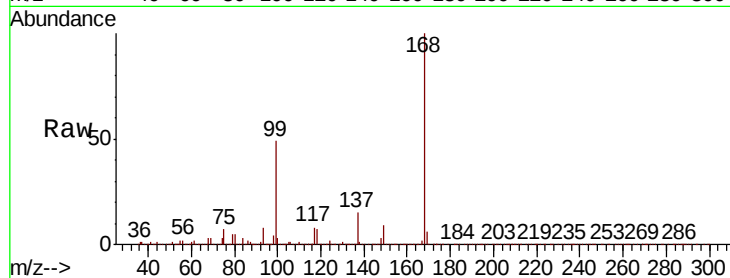
MW-1A

Tot Ion:168 Resp: 692505

Ion Ratio Lower Upper

168 100

99 48.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

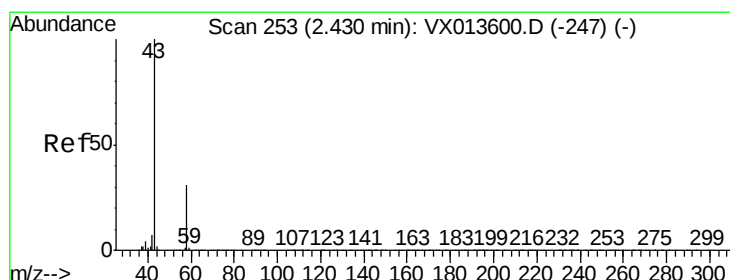
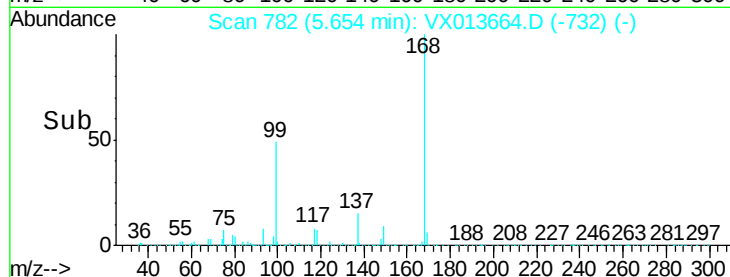
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.772 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013664.D

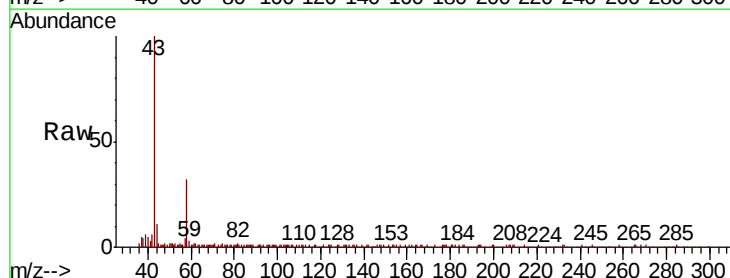
Acq: 27 Nov 2019 20:08

Tgt Ion: 43 Resp: 30844

Ion Ratio Lower Upper

43 100

58 30.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

15000

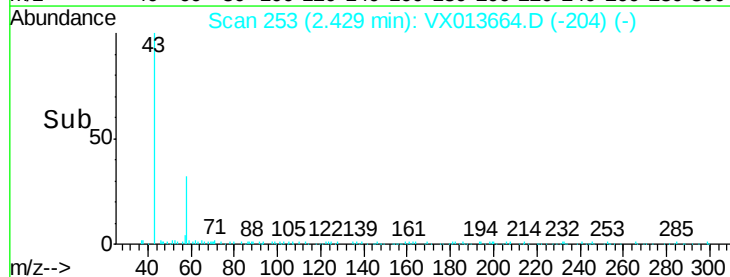
10000

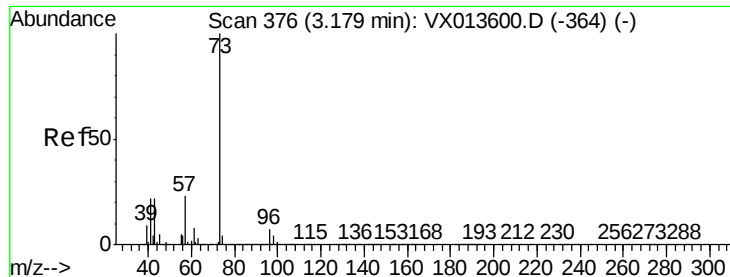
5000

0

Time-->

2.35 2.40 2.45 2.50

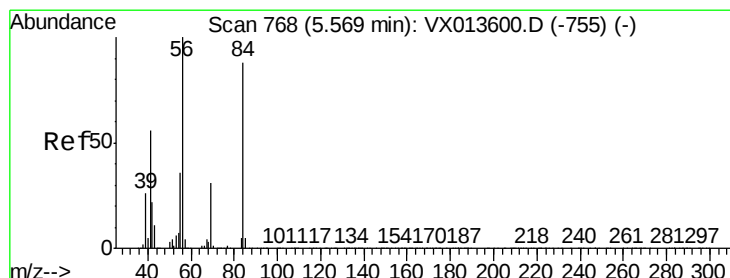
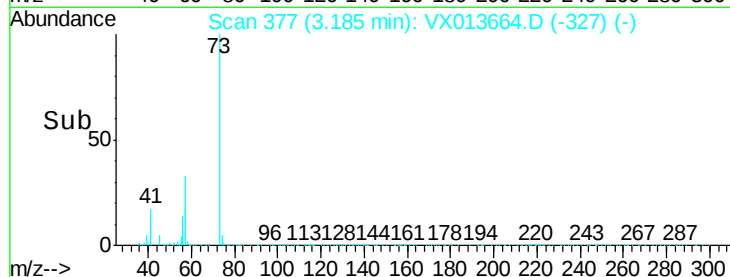
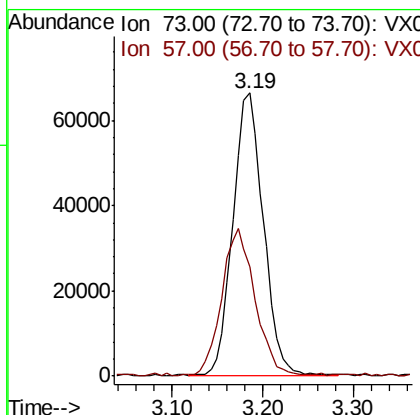
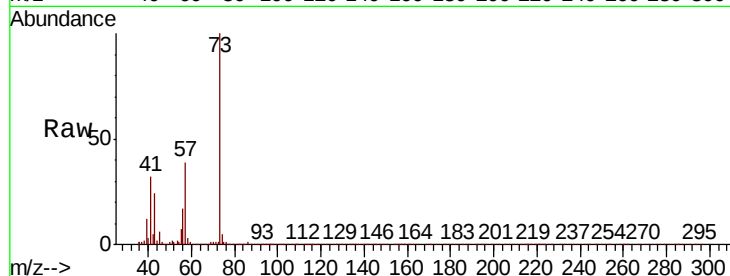




#19
Methvl tert-butvl Ether
Concen: 7.062 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013664.D
Acq: 27 Nov 2019 20:08

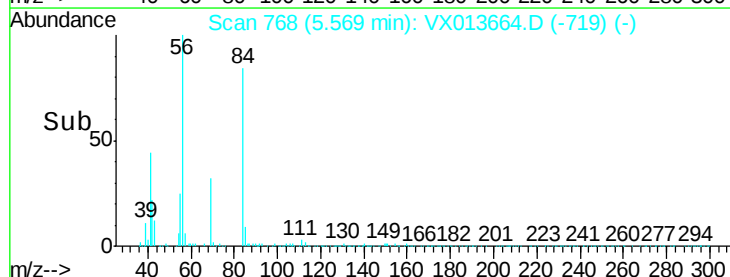
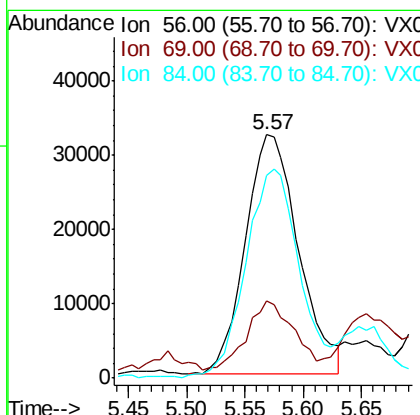
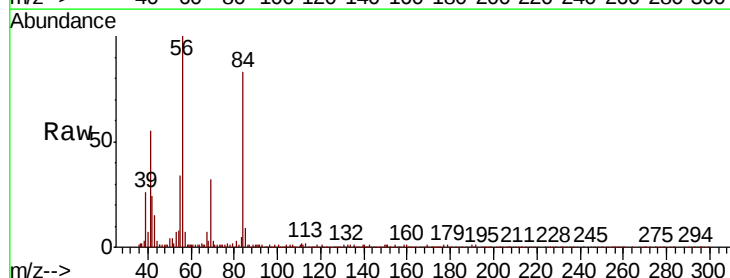
Instrument :
MSVOA_X
ClientSampleId :
MW-1A

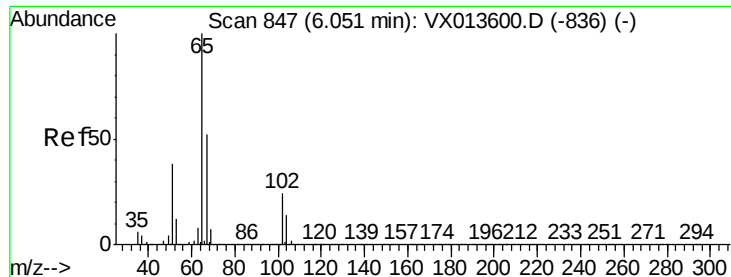
Tot Ion: 73 Resp: 154171
Ion Ratio Lower Upper
73 100
57 38.4 18.3 27.5#



#31
Cyclohexane
Concen: 8.585 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013664.D
Acq: 27 Nov 2019 20:08

Tgt Ion: 56 Resp: 101944
Ion Ratio Lower Upper
56 100
69 25.6 24.6 36.8
84 83.3 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 48.679 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

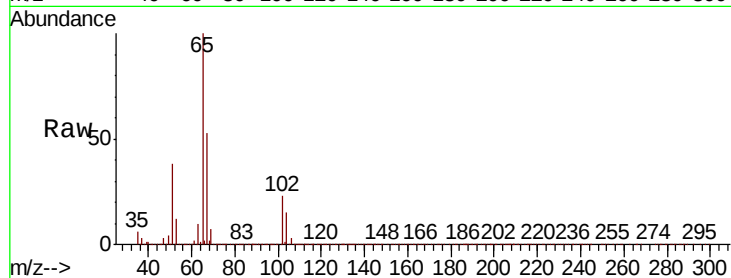
MW-1A

Tot Ion: 65 Resp: 391300

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

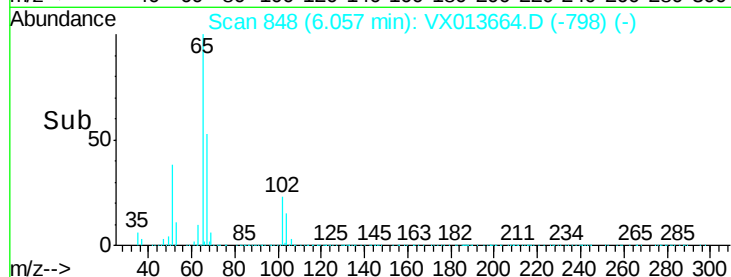
100000

50000

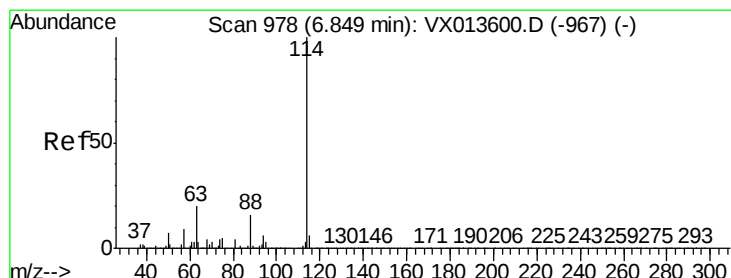
0

6.06

6.00 6.10 6.20



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

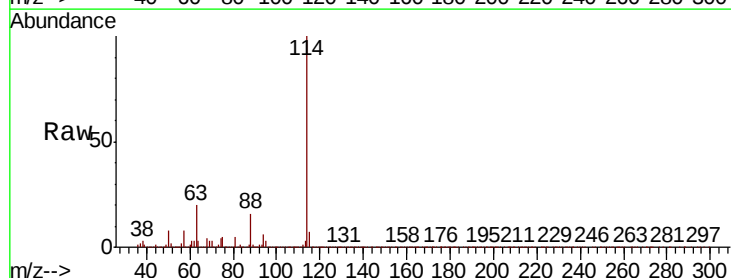
Tgt Ion: 114 Resp: 1088529

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 15.9 0.0 31.4



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

600000

500000

400000

300000

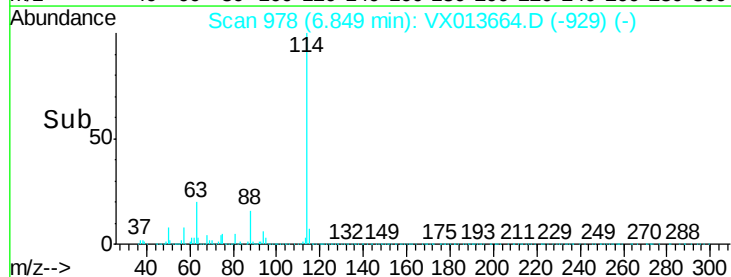
200000

100000

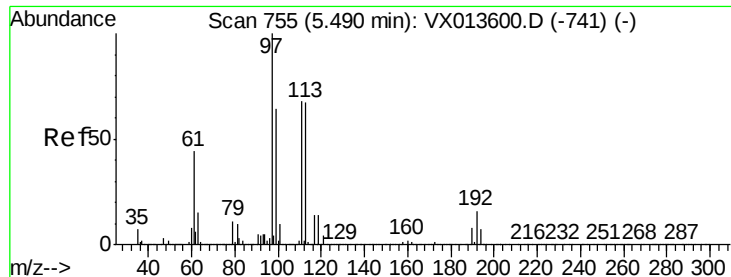
0

6.85

6.70 6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 48.252 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

MW-1A

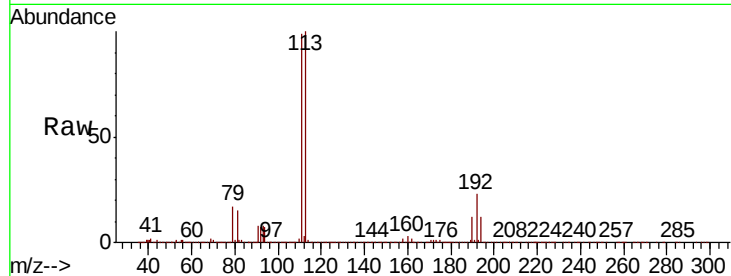
Tot Ion:113 Resp: 324711

Ion Ratio Lower Upper

113 100

111 104.1 83.6 125.4

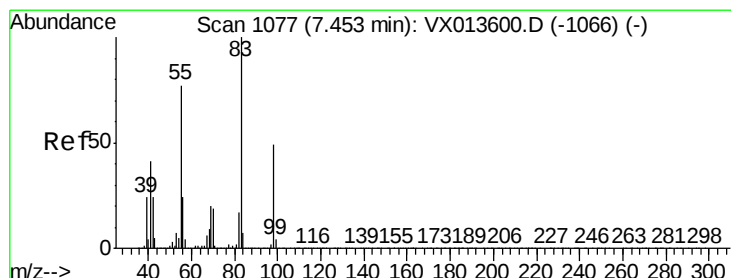
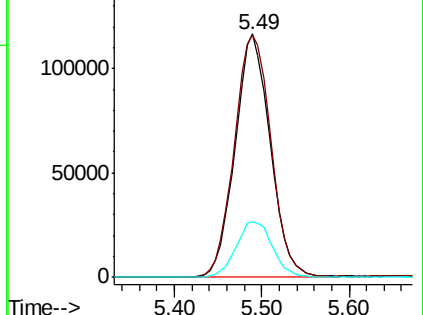
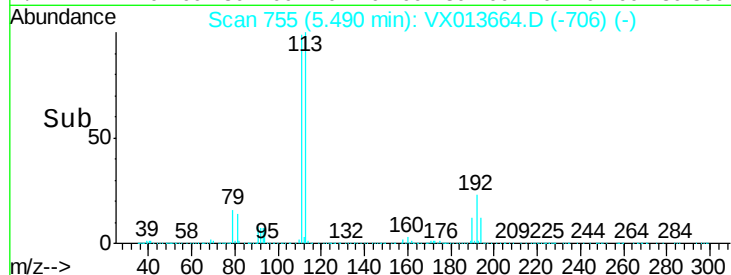
192 23.8 19.2 28.8



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: 13.196 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

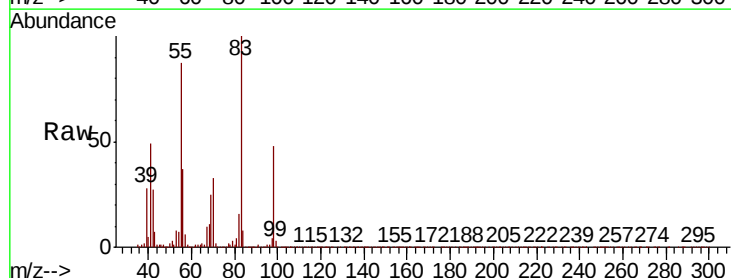
Tgt Ion: 83 Resp: 161180

Ion Ratio Lower Upper

83 100

55 87.0 61.9 92.9

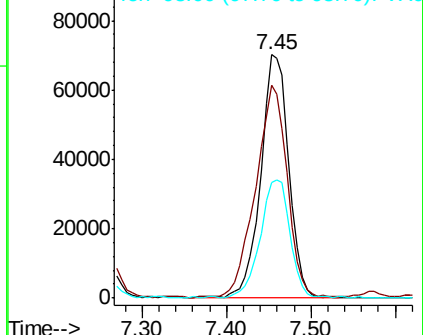
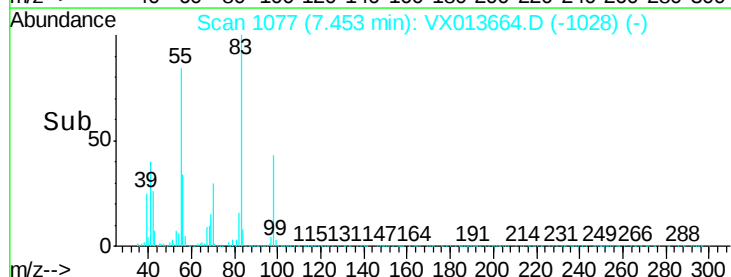
98 47.3 39.4 59.0

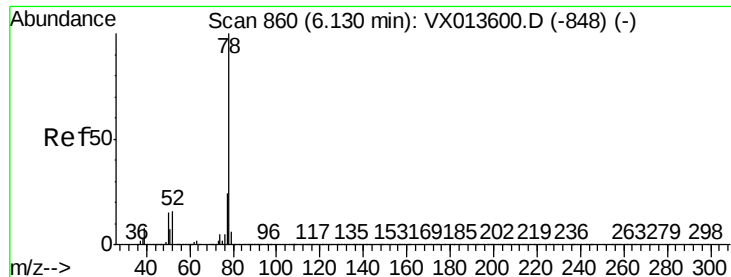


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 114.754 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

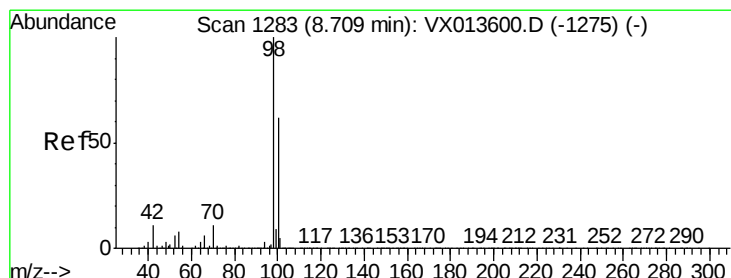
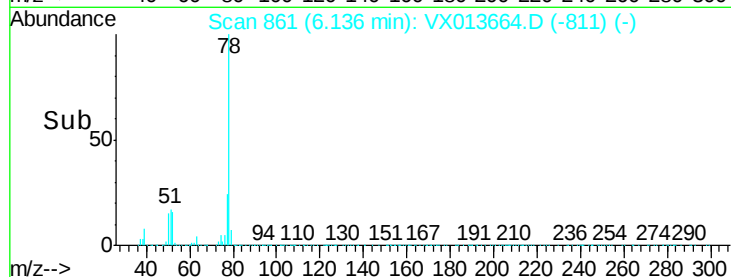
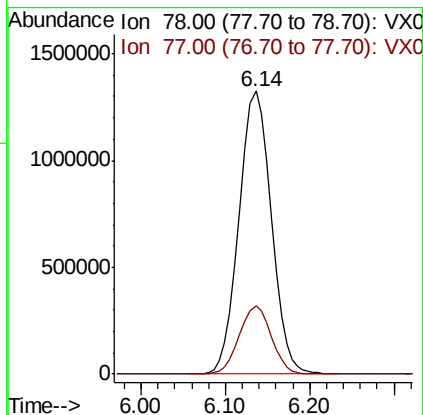
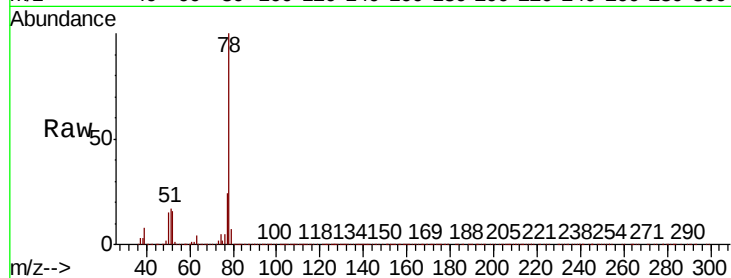
MW-1A

Tot Ion: 78 Resp: 3453472

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



#50

Toluene-d8

Concen: 50.015 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013664.D

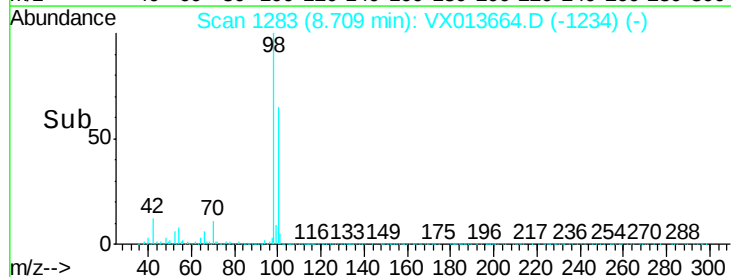
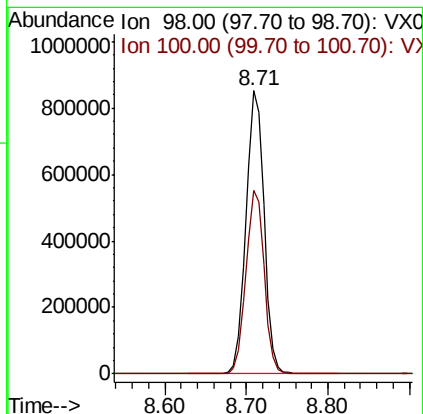
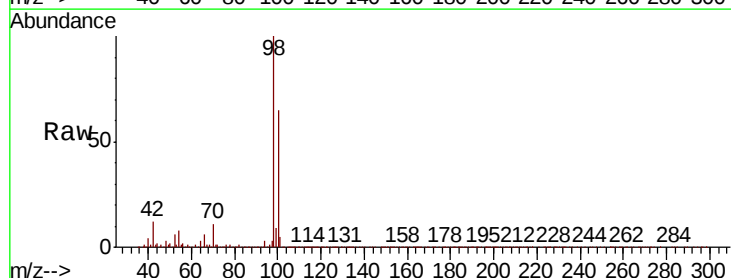
Acq: 27 Nov 2019 20:08

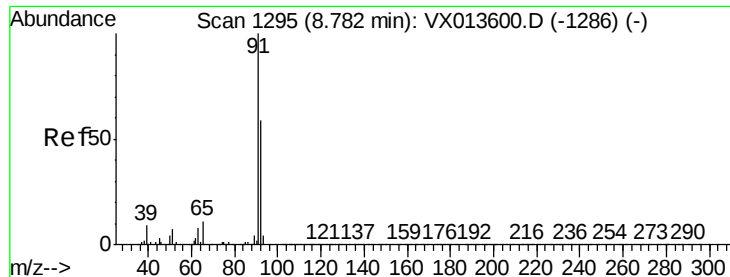
Tgt Ion: 98 Resp: 1311331

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7





#52

Toluene

Concen: 4.304 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

Instrument :

MSVOA_X

ClientSampled :

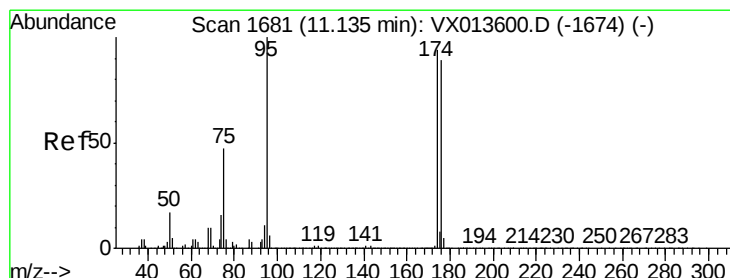
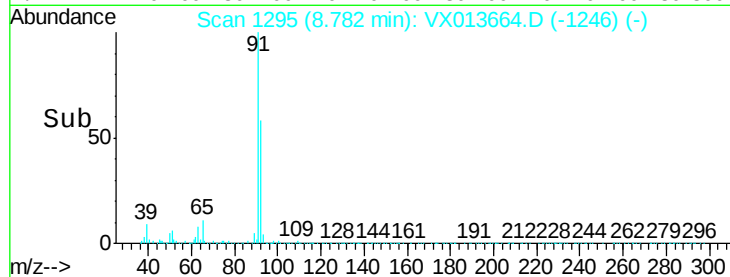
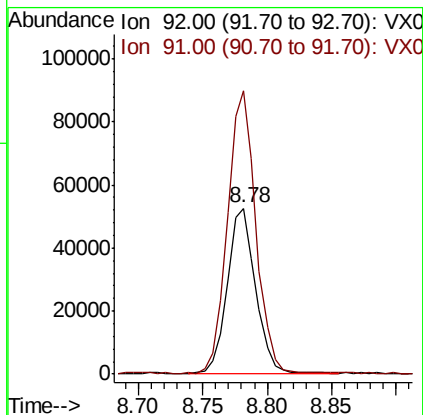
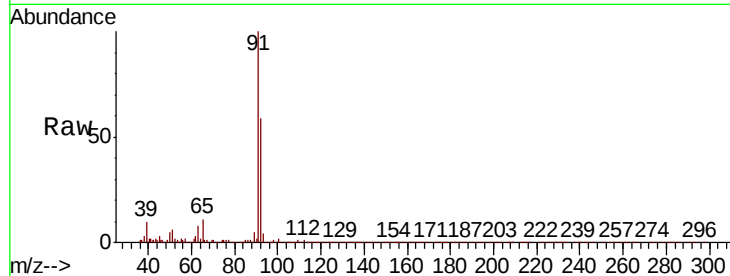
MW-1A

Tot Ion: 92 Resp: 80468

Ion Ratio Lower Upper

92 100

91 170.6 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 47.459 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

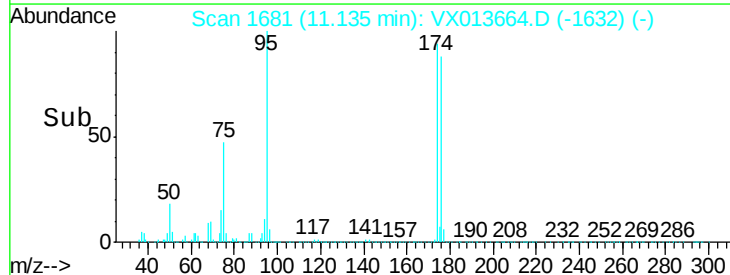
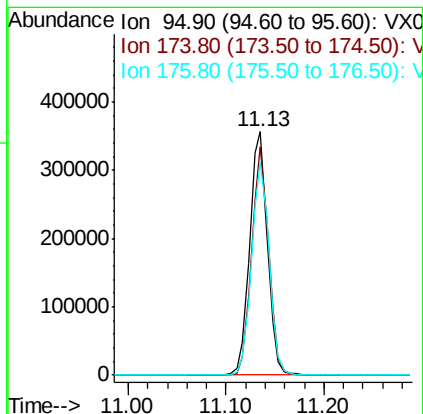
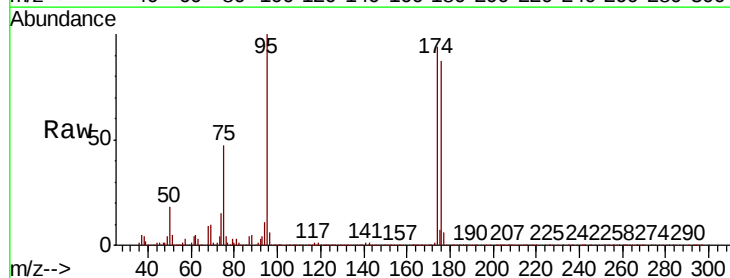
Tgt Ion: 95 Resp: 448702

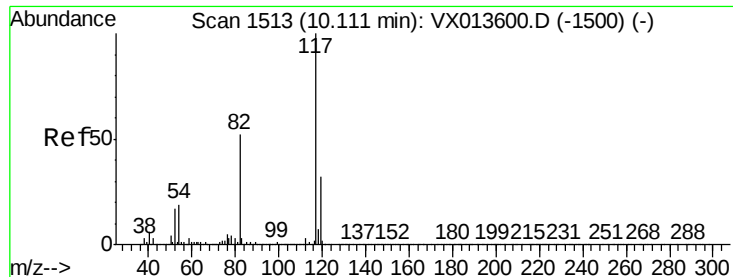
Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

176 86.6 0.0 173.6

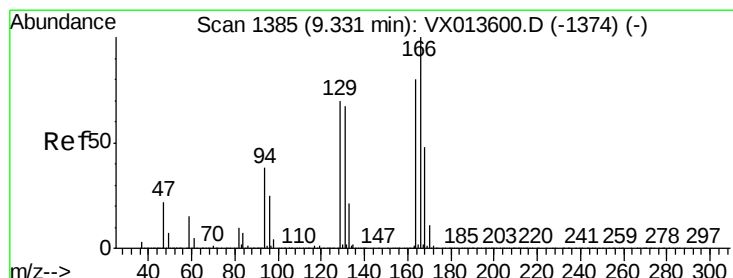
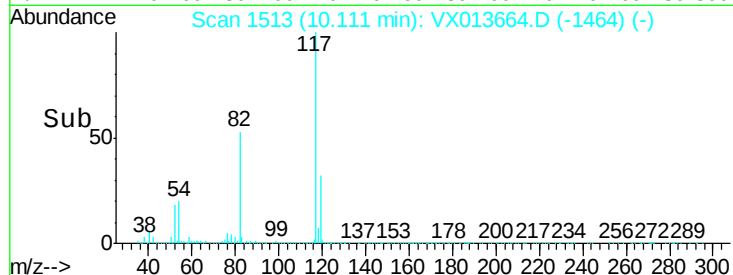
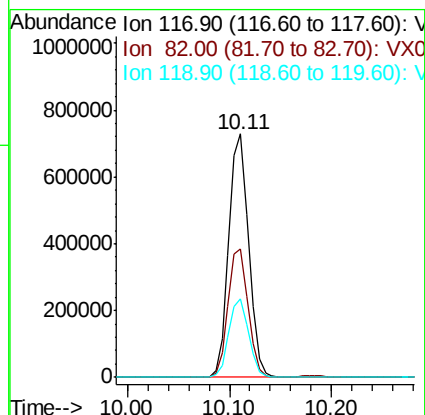
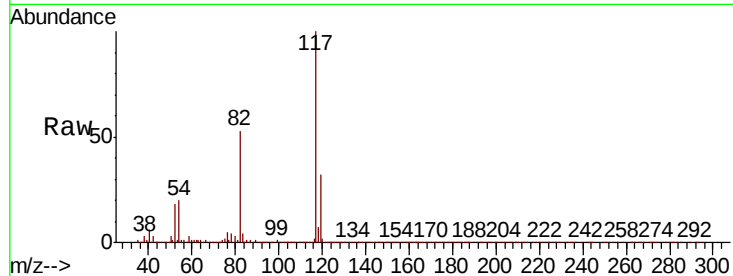




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013664.D
Acq: 27 Nov 2019 20:08

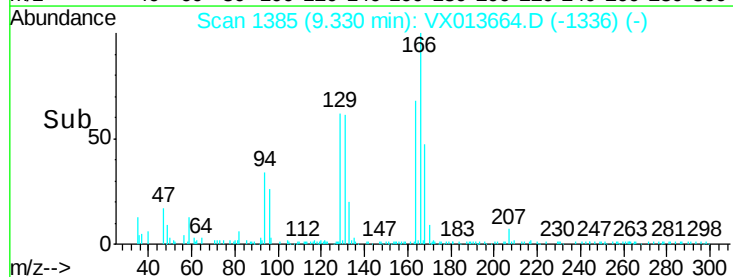
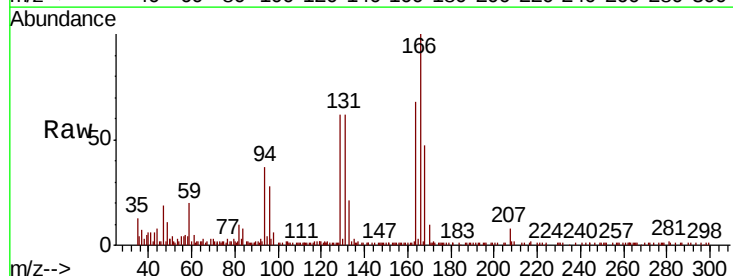
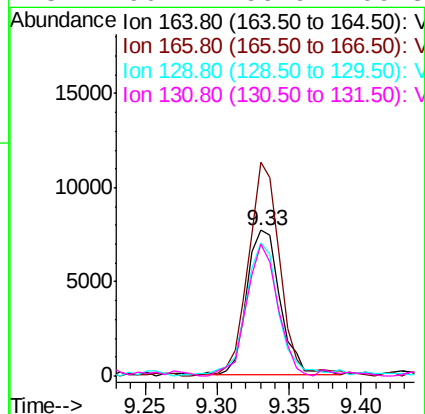
Instrument :
MSVOA_X
ClientSampleId :
MW-1A

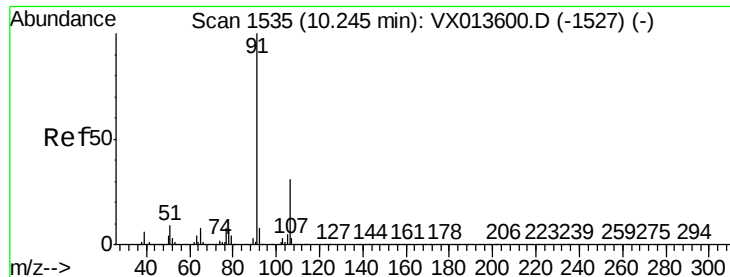
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.8
119	32.2	25.8	38.8



#64
Tetrachloroethene
Concen: 1.684 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013664.D
Acq: 27 Nov 2019 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	147.1	99.7	149.5
129	91.2	70.1	105.1
131	90.1	66.9	100.3





#67

Ethyl Benzene

Concen: 32.473 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

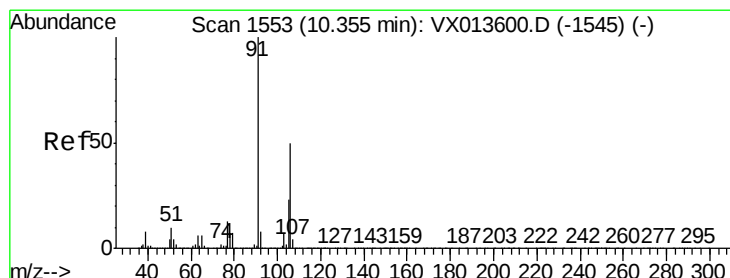
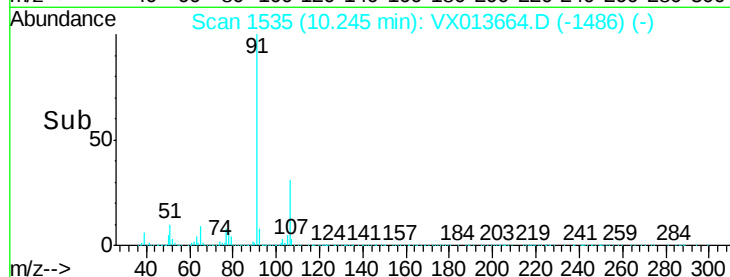
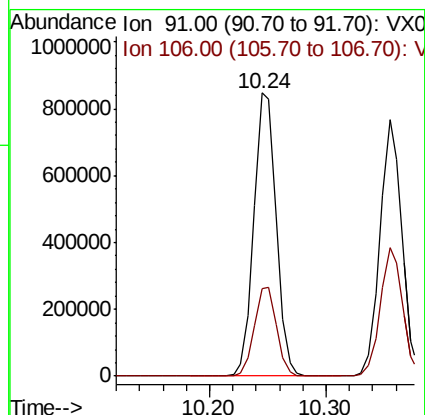
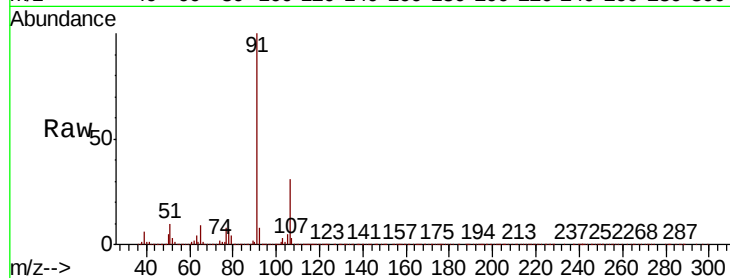
MW-1A

Tot Ion: 91 Resp: 1138575

Ion Ratio Lower Upper

91 100

106 31.0 24.5 36.7



#68

m/p-Xylenes

Concen: 37.988 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013664.D

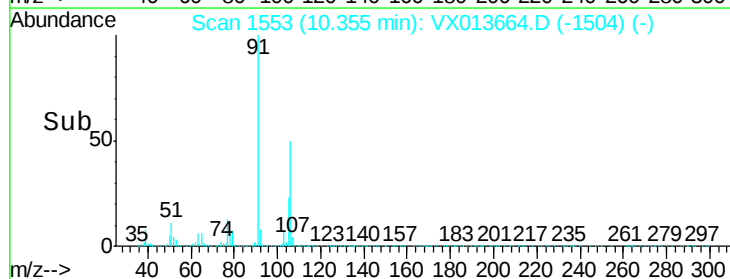
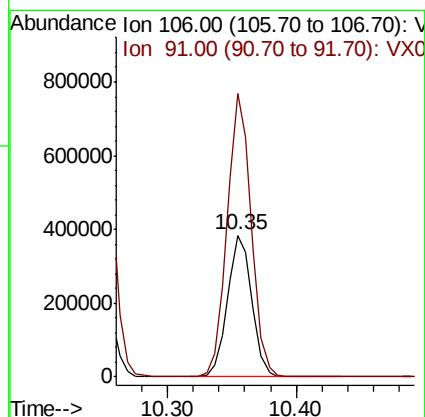
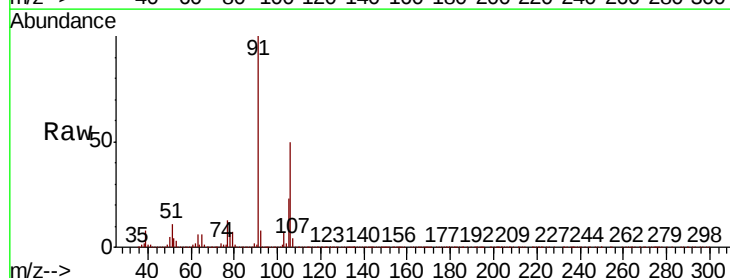
Acq: 27 Nov 2019 20:08

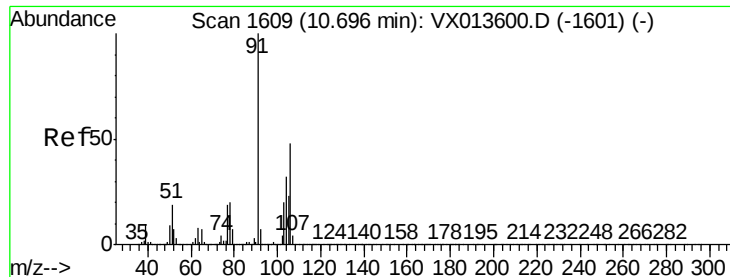
Tgt Ion: 106 Resp: 509942

Ion Ratio Lower Upper

106 100

91 198.1 159.0 238.4

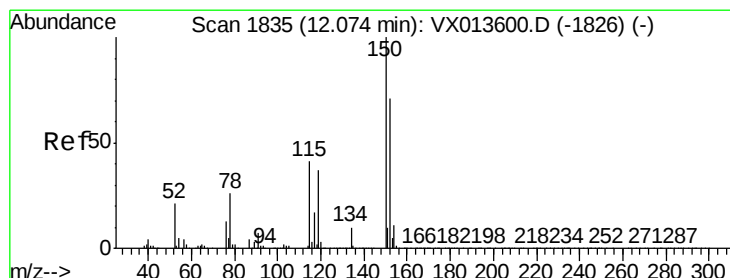
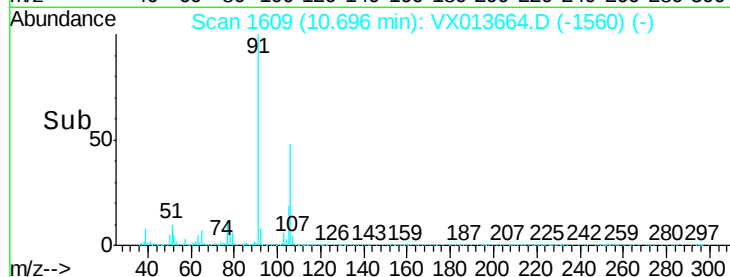
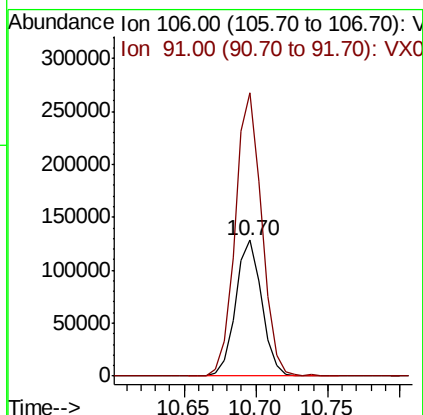
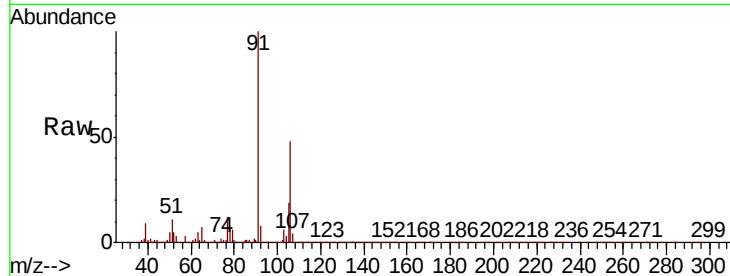




#69
o-Xylene
Concen: 12.398 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013664.D
Acq: 27 Nov 2019 20:08

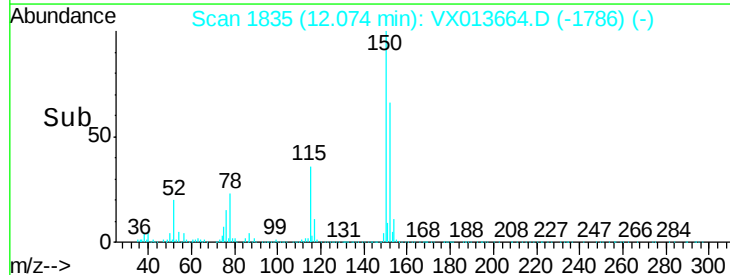
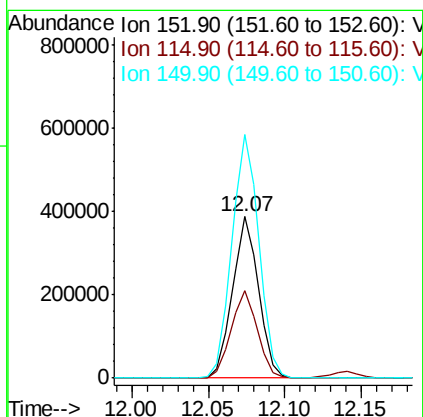
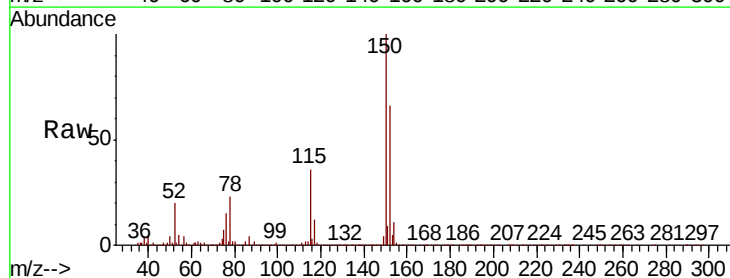
Instrument :
MSVOA_X
ClientSampleId :
MW-1A

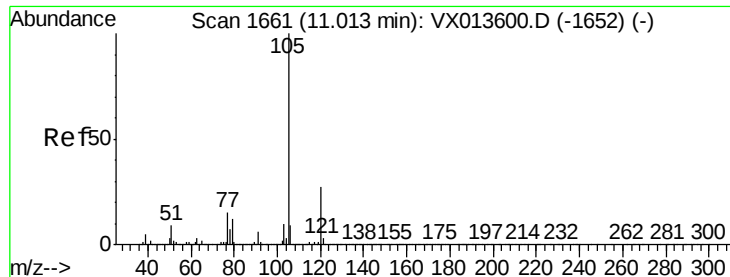
Tot Ion:106 Resp: 162321
Ion Ratio Lower Upper
106 100
91 210.5 104.1 312.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013664.D
Acq: 27 Nov 2019 20:08

Tgt Ion:152 Resp: 457644
Ion Ratio Lower Upper
152 100
115 54.5 38.4 115.1
150 156.1 0.0 346.8





#73

Isopropylbenzene

Concen: 1.004 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013664.D

Acq: 27 Nov 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

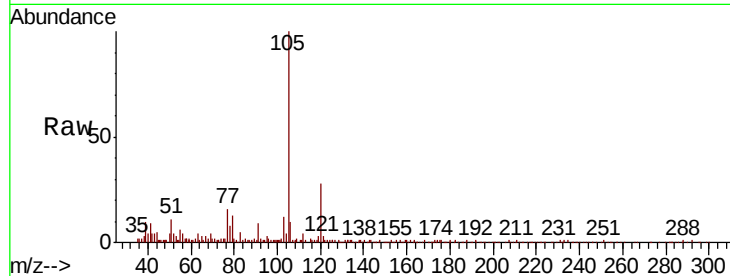
MW-1A

Tot Ion:105 Resp: 32227

Ion Ratio Lower Upper

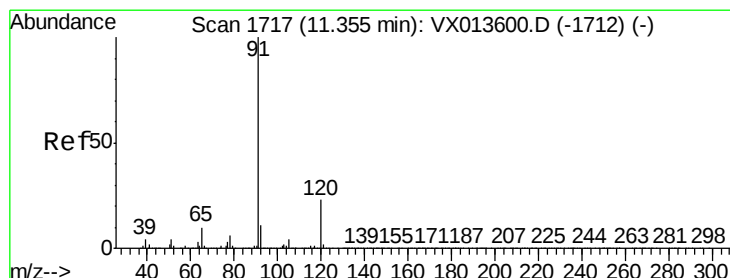
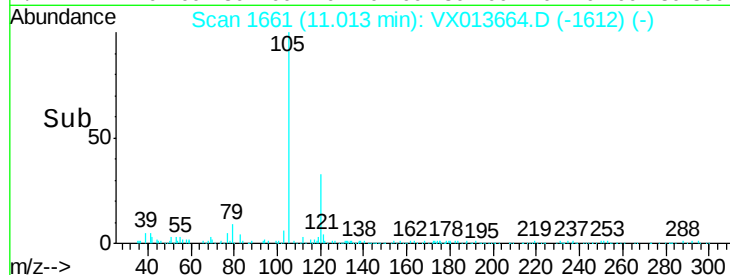
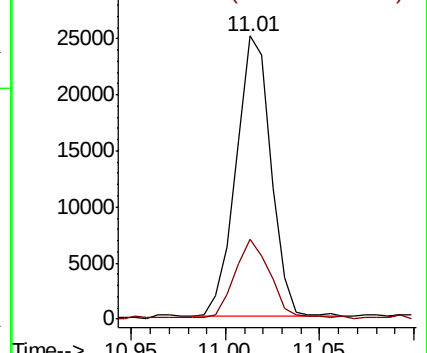
105 100

120 28.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.172 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013664.D

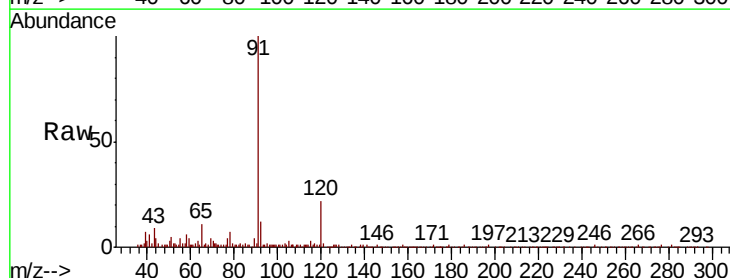
Acq: 27 Nov 2019 20:08

Tgt Ion: 91 Resp: 42003

Ion Ratio Lower Upper

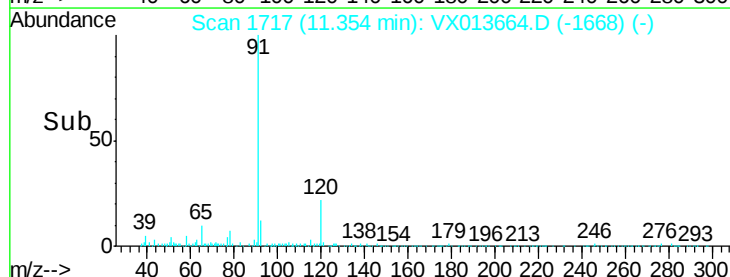
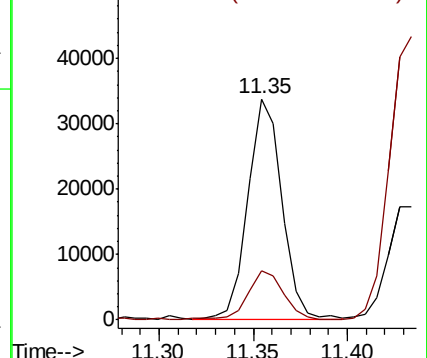
91 100

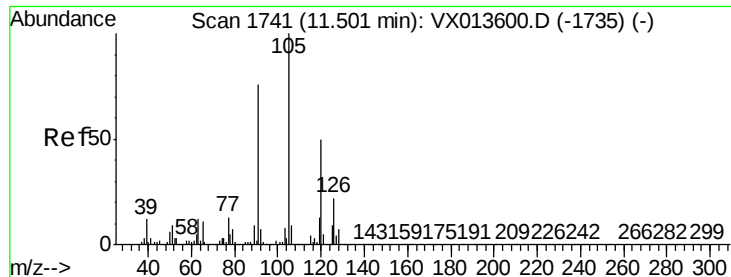
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

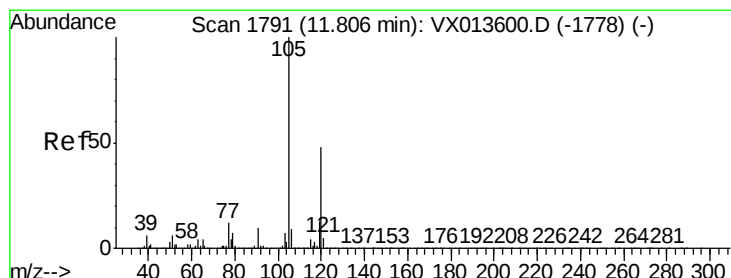
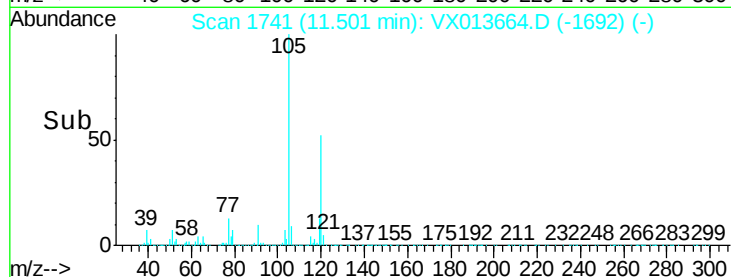
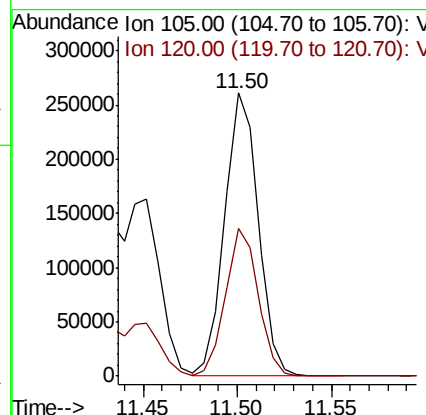
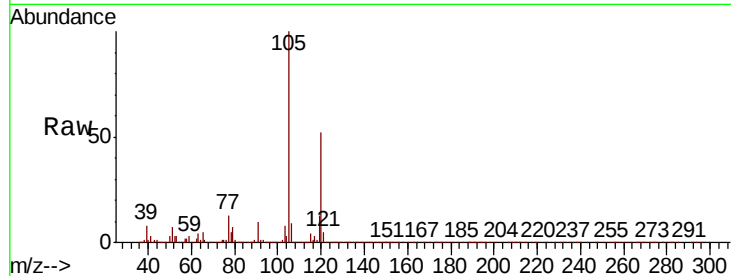




#80
 1,3,5-Trimethylbenzene
 Concen: 12.249 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013664.D
 Acq: 27 Nov 2019 20:08

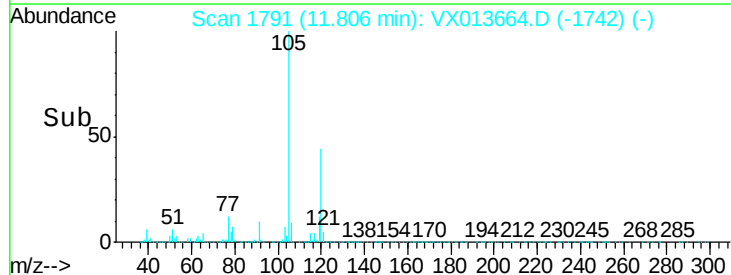
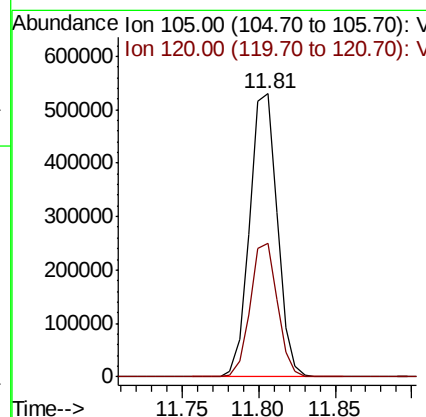
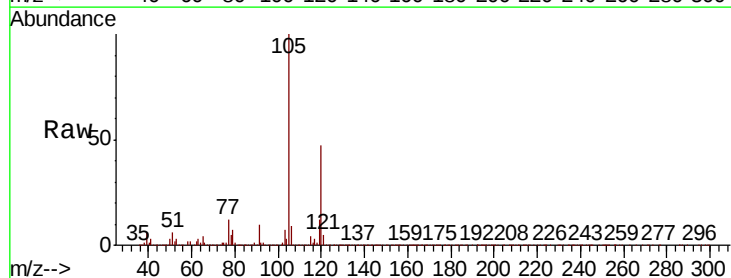
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1A

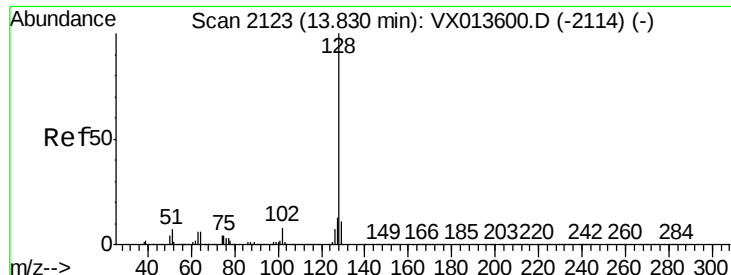
Tot Ion:105 Resp: 322268
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.3 75.9



#84
 1,2,4-Trimethylbenzene
 Concen: 24.932 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013664.D
 Acq: 27 Nov 2019 20:08

Tgt Ion:105 Resp: 665738
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.1 69.3

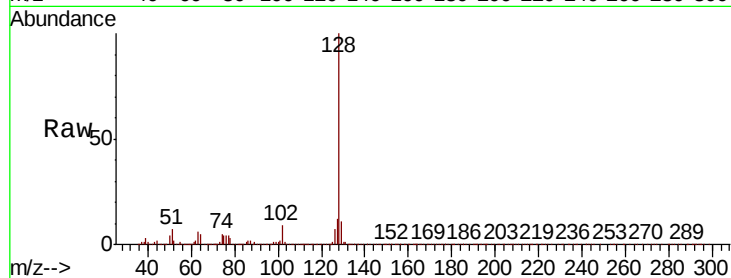




#95
Naphthalene
Concen: 3.379 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013664.D
Acq: 27 Nov 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
MW-1A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	12.9	8.7	13.1



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

