

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034180.D
 Acq On : 17 Sep 2019 11:44
 Operator : SY/AP
 Sample : K4098-01DL 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E049-1100DL

Quant Time: Sep 19 11:29:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1150248	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1891674	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2021482	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1967361	11.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.00%

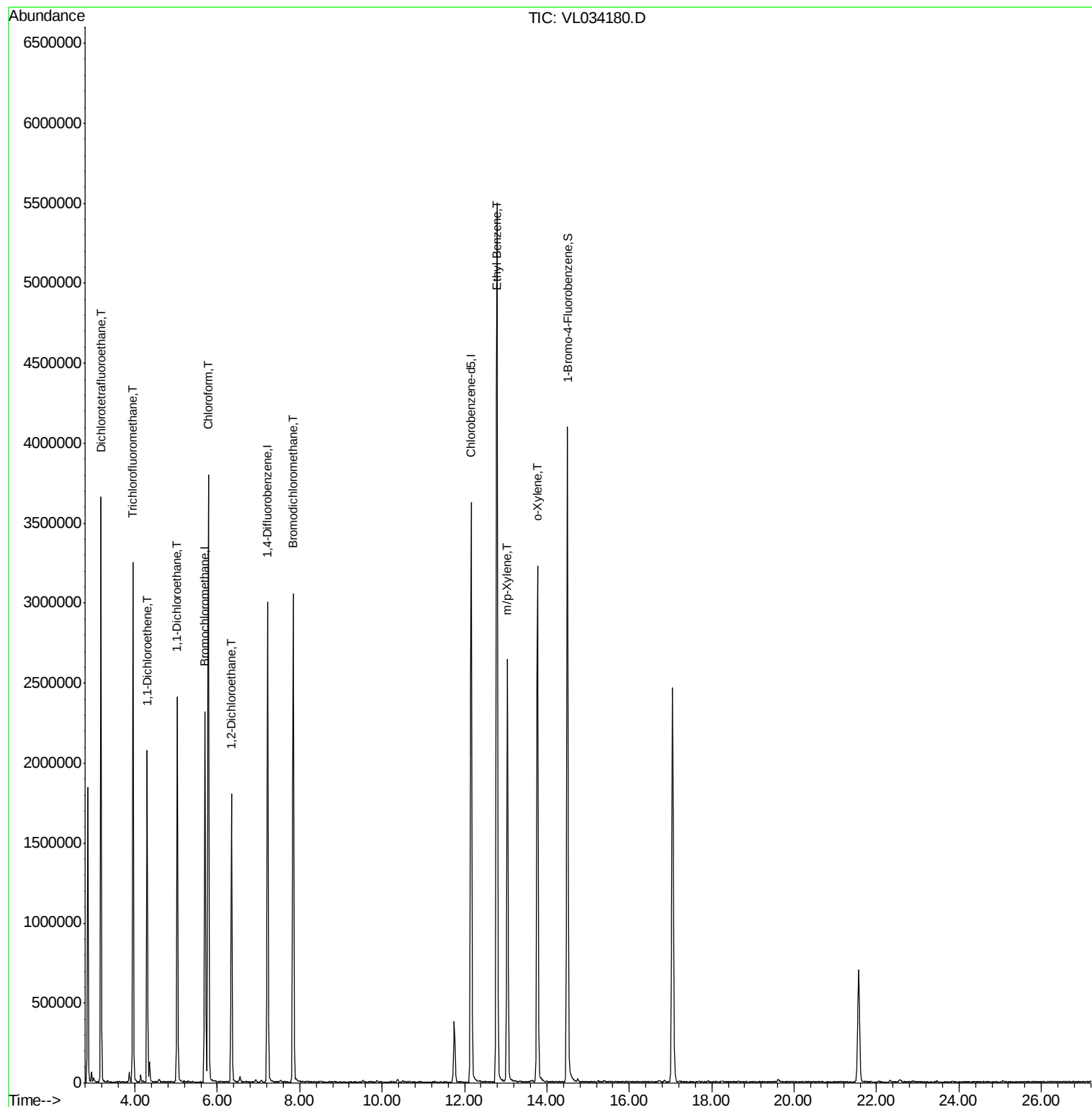
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Dichlorotetrafluoroethane	3.18	85	1405475	9.373	ppbv	99
11) Trichlorofluoromethane	3.95	101	2049756	13.254	ppbv	98
18) 1,1-Dichloroethene	4.29	96	528540	11.973	ppbv	95
24) 1,1-Dichloroethane	5.03	63	2013627	13.164	ppbv	99
29) Chloroform	5.78	83	2555313	14.746	ppbv	94
37) 1,2-Dichloroethane	6.34	62	1489300	10.022	ppbv	99
42) Bromodichloromethane	7.84	83	2019937	11.326	ppbv	97
58) Ethyl Benzene	12.79	91	4856603	14.890	ppbv	96
59) m/p-Xylene	13.04	91	1911957	7.077	ppbv	99
60) o-Xylene	13.77	91	2540124	9.403	ppbv	99

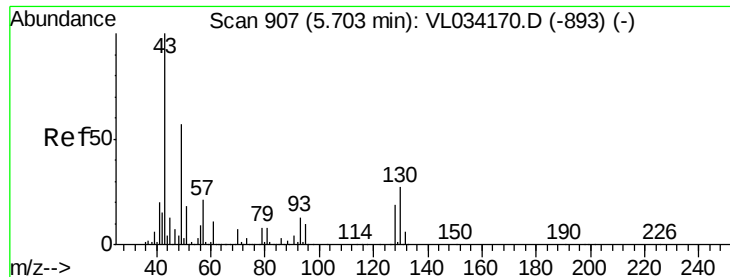
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091719\
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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034180.D

Acq: 17 Sep 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

E049-1100DL

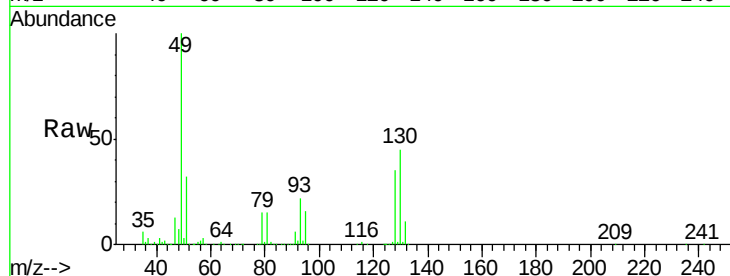
Tot Ion: 49 Resp: 1150248

Ion Ratio Lower Upper

49 100

128 34.6 17.6 52.9

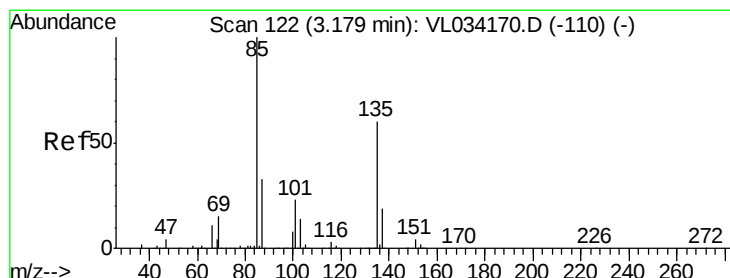
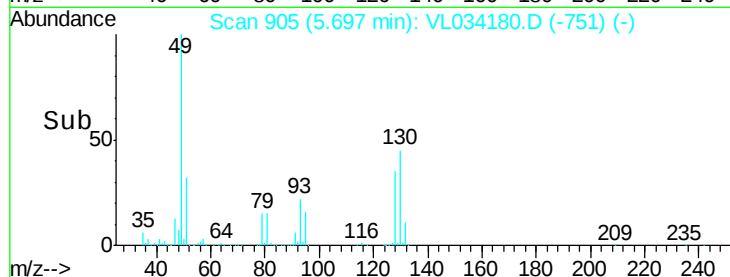
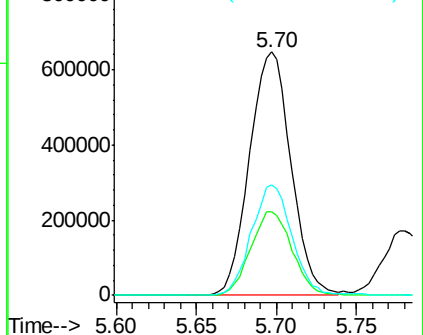
130 44.7 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#8

Dichlorotetrafluoroethane

Concen: 9.373 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL034180.D

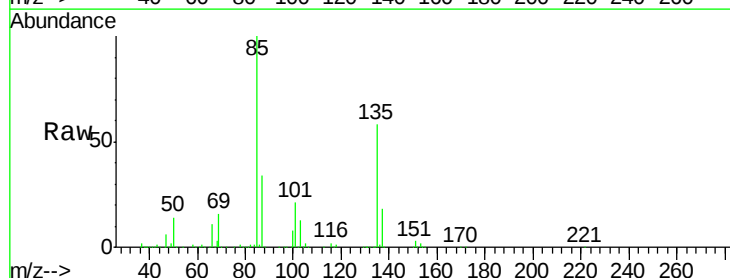
Acq: 17 Sep 2019 11:44

Tgt Ion: 85 Resp: 1405475

Ion Ratio Lower Upper

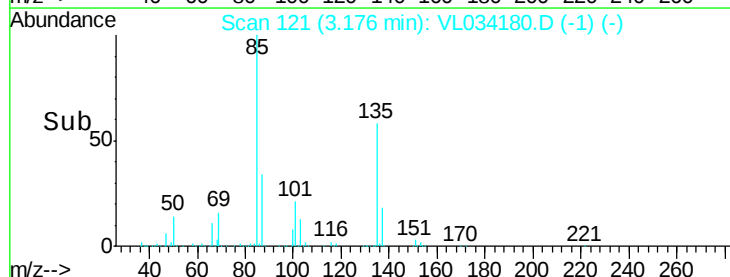
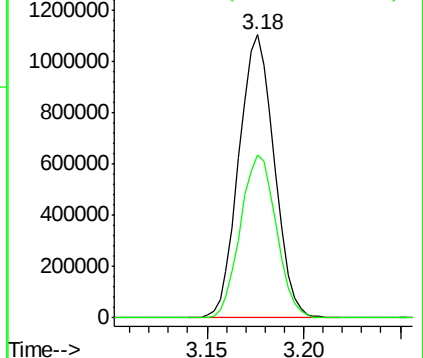
85 100

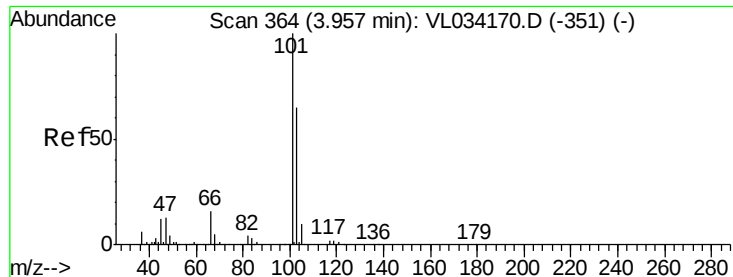
135 58.5 47.3 70.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

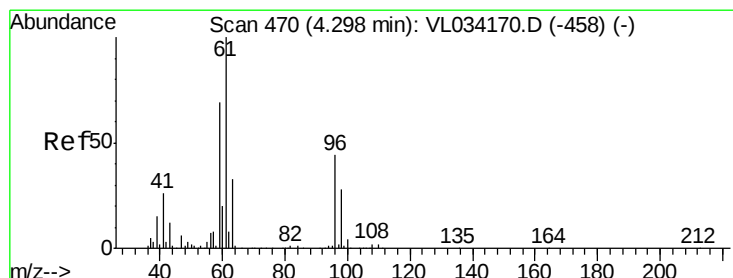
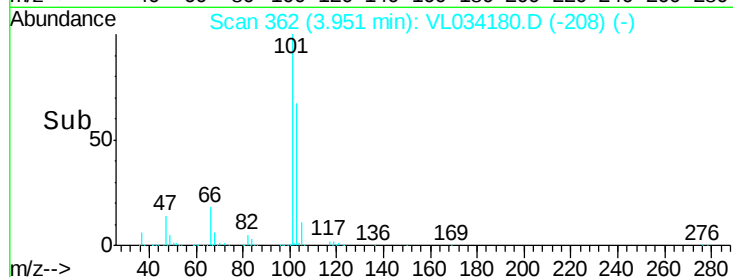
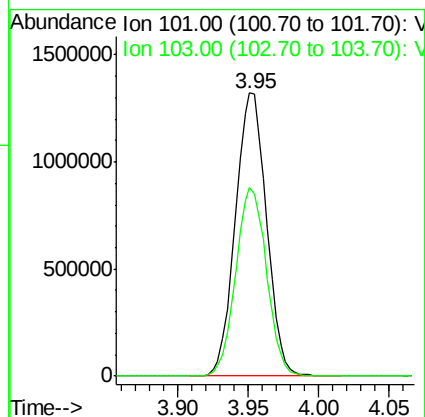
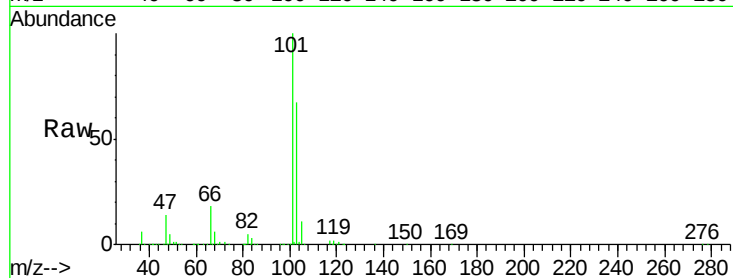




#11
 Trichlorofluoromethane
 Concen: 13.254 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL034180.D
 Acq: 17 Sep 2019 11:44

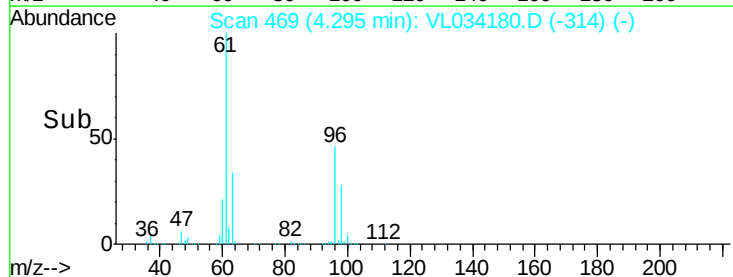
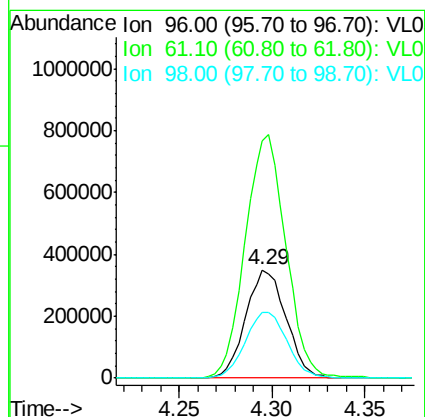
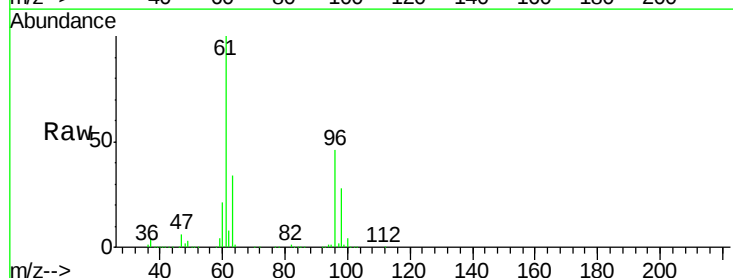
Instrument :
 MSVOA_L
 ClientSampleId :
 E049-1100DL

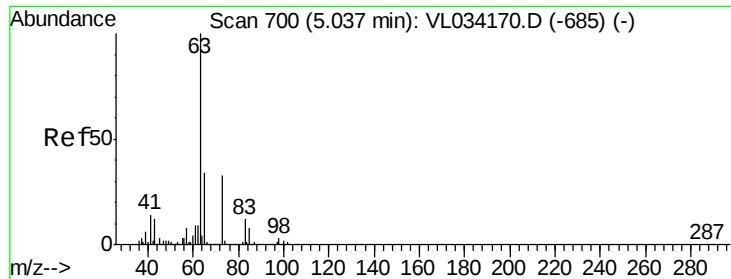
Tot Ion:101 Resp: 2049756
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.1 78.1



#18
 1,1-Dichloroethene
 Concen: 11.973 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL034180.D
 Acq: 17 Sep 2019 11:44

Tgt Ion: 96 Resp: 528540
 Ion Ratio Lower Upper
 96 100
 61 219.5 183.3 274.9
 98 61.3 51.4 77.2





#24

1,1-Dichloroethane

Concen: 13.164 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL034180.D

Acq: 17 Sep 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

E049-1100DL

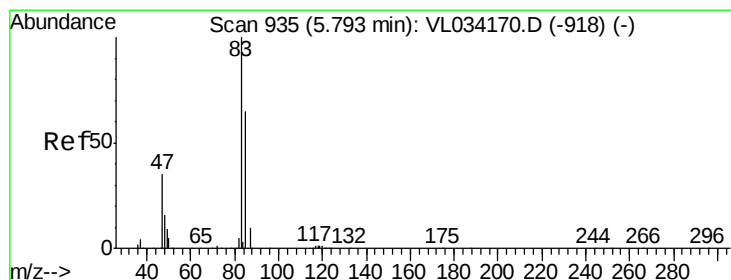
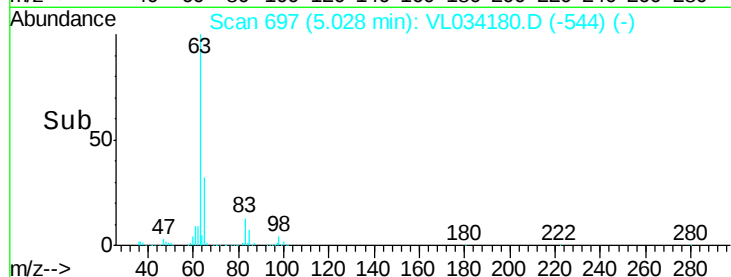
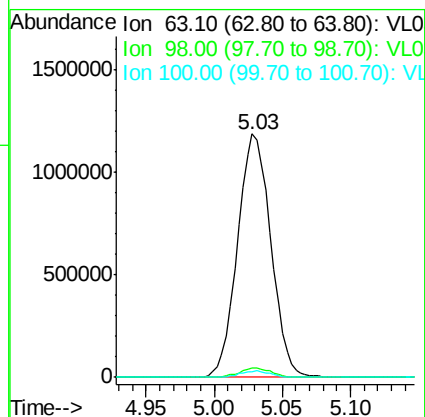
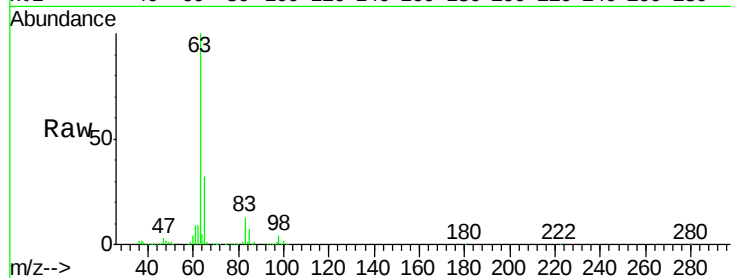
Tot Ion: 63 Resp: 2013627

Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.3

100 2.5 1.0 3.0



#29

Chloroform

Concen: 14.746 ppbv

RT: 5.78 min Scan# 931

Delta R.T. -0.01 min

Lab File: VL034180.D

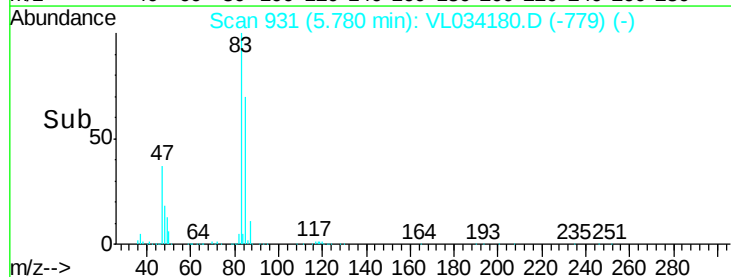
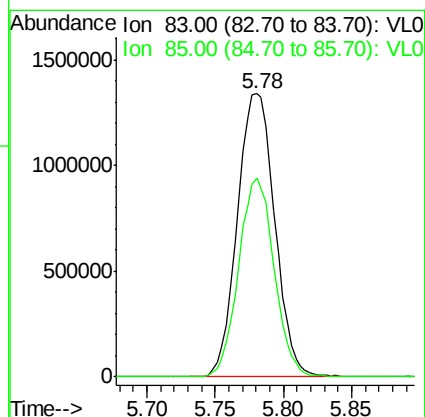
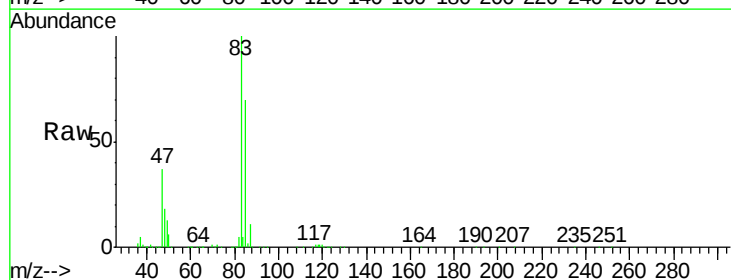
Acq: 17 Sep 2019 11:44

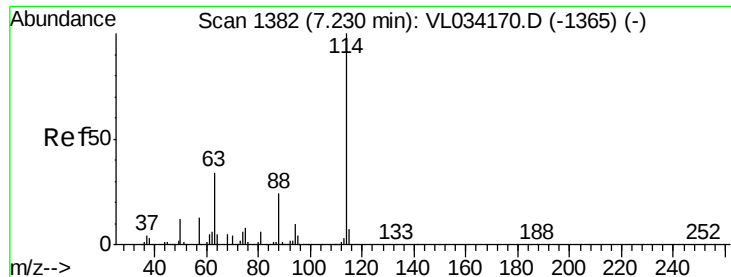
Tgt Ion: 83 Resp: 2555313

Ion Ratio Lower Upper

83 100

85 70.2 52.3 78.5

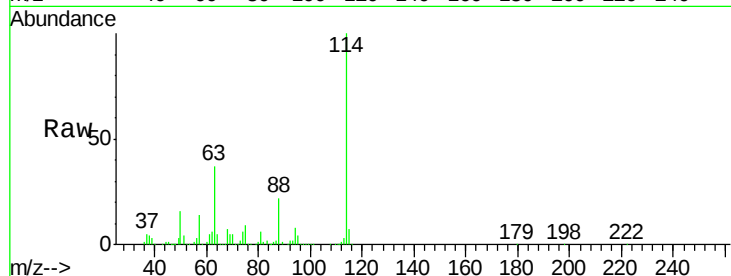




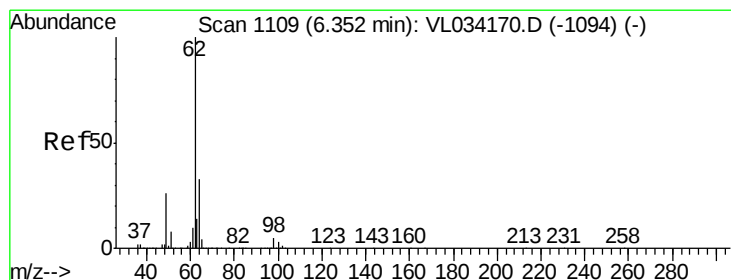
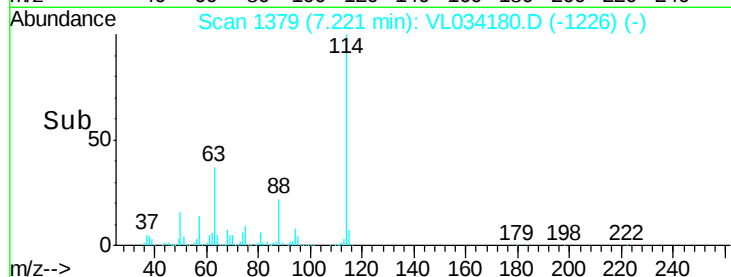
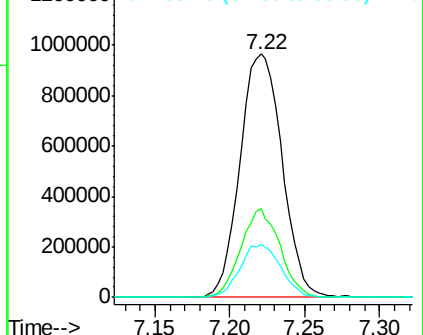
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VL034180.D
 Acq: 17 Sep 2019 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 E049-1100DL

Tot Ion:114 Resp: 1891674
 Ion Ratio Lower Upper
 114 100
 63 33.8 27.8 41.6
 88 21.1 17.1 25.7

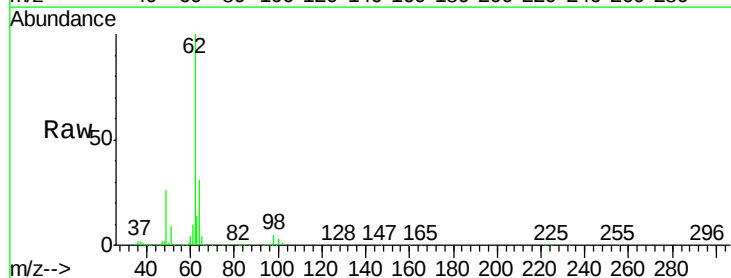


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

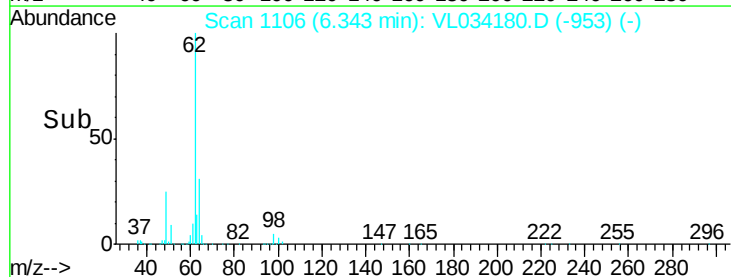
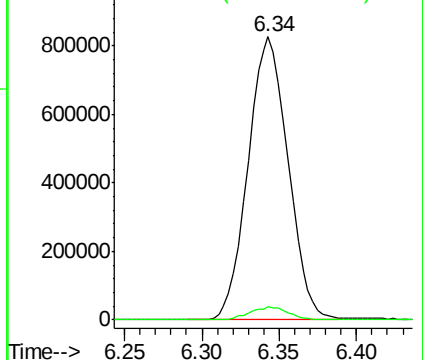


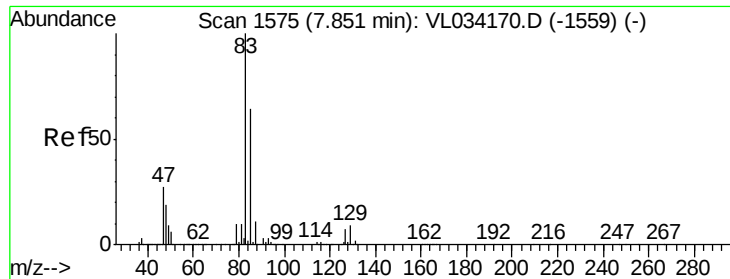
#37
 1,2-Dichloroethane
 Concen: 10.022 ppbv
 RT: 6.34 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VL034180.D
 Acq: 17 Sep 2019 11:44

Tgt Ion: 62 Resp: 1489300
 Ion Ratio Lower Upper
 62 100
 98 4.5 3.8 5.8



Abundance Ion 62.10 (61.80 to 62.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0





#42

Bromodichloromethane

Concen: 11.326 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL034180.D

Acq: 17 Sep 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

E049-1100DL

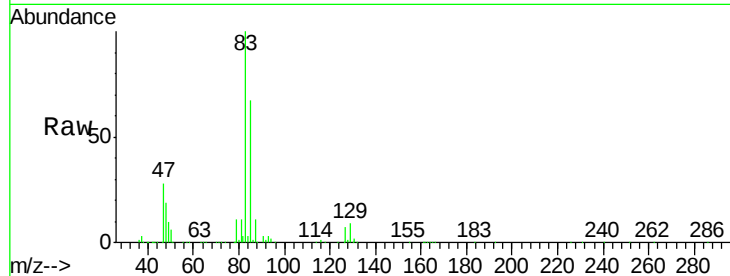
Tot Ion: 83 Resp: 2019937

Ion Ratio Lower Upper

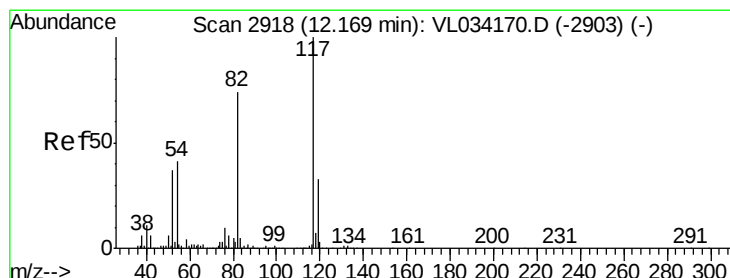
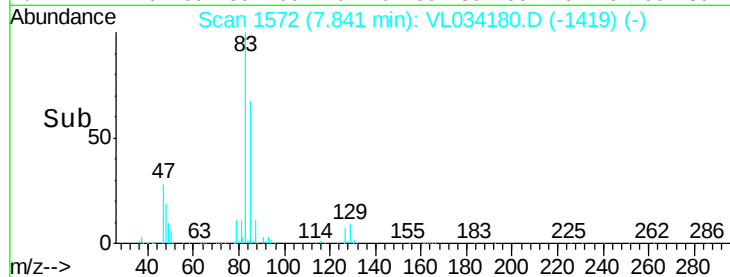
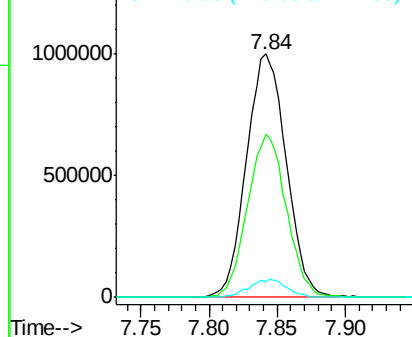
83 100

85 67.1 51.4 77.0

127 6.7 5.5 8.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. -0.01 min

Lab File: VL034180.D

Acq: 17 Sep 2019 11:44

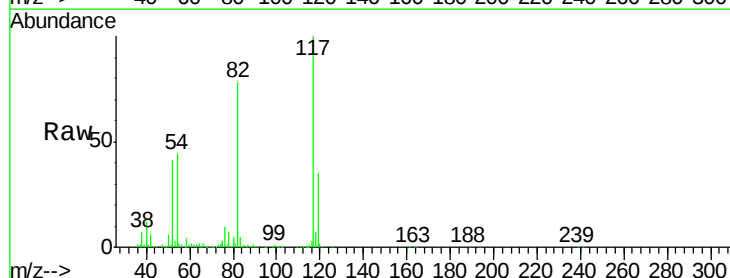
Tgt Ion: 117 Resp: 2021482

Ion Ratio Lower Upper

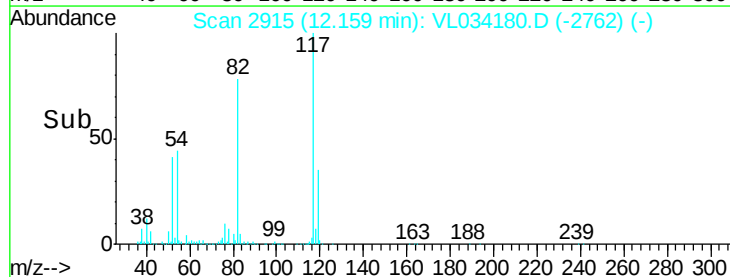
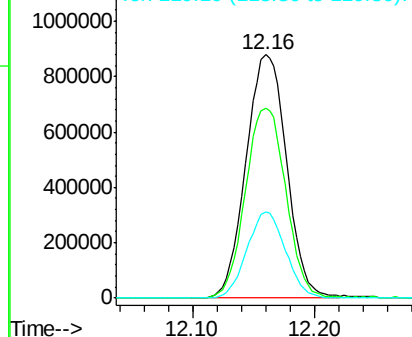
117 100

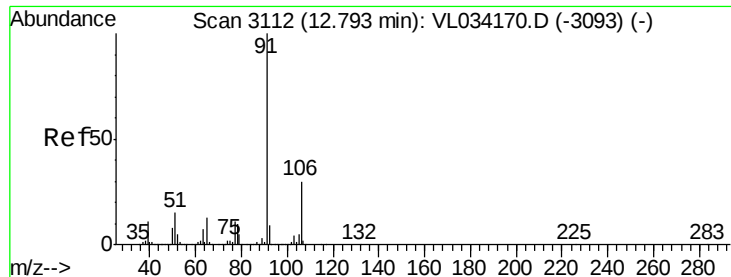
82 78.4 58.2 87.4

119 34.0 23.7 35.5



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

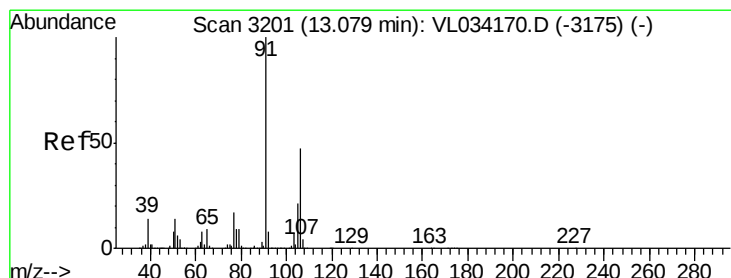
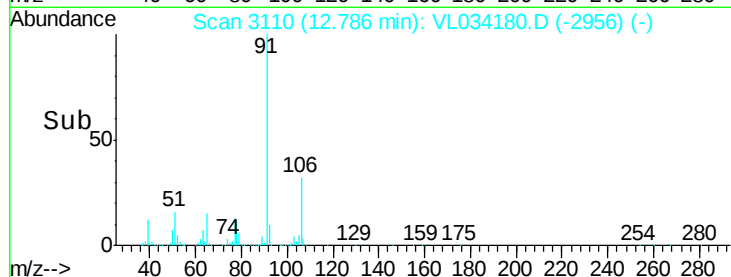
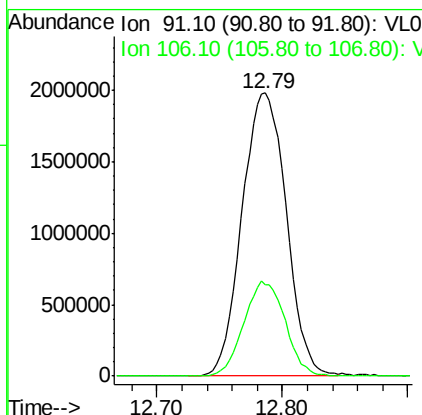
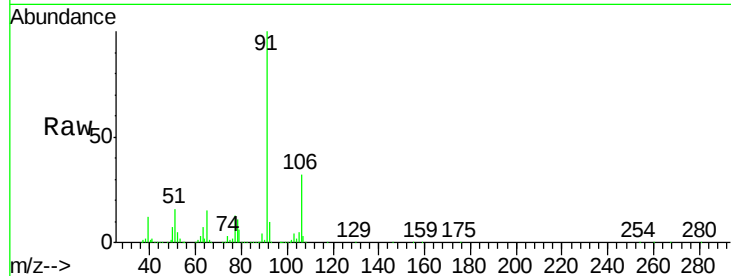




#58
Ethyl Benzene
Concen: 14.890 ppbv
RT: 12.79 min Scan# 3110
Delta R.T. -0.01 min
Lab File: VL034180.D
Acq: 17 Sep 2019 11:44

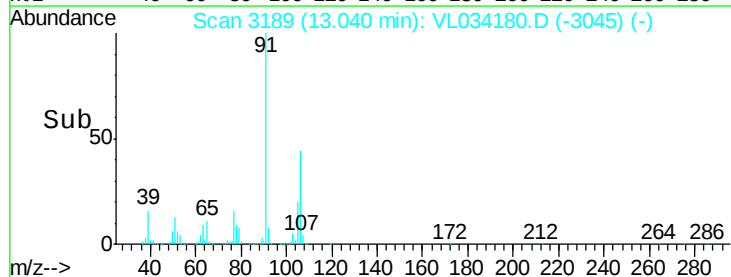
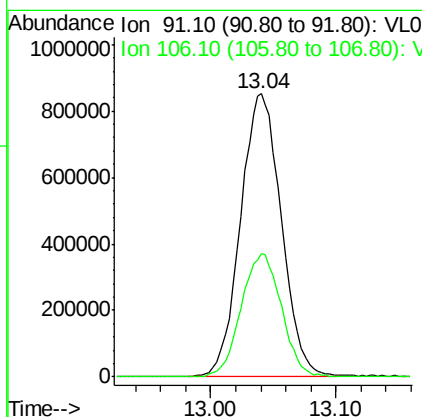
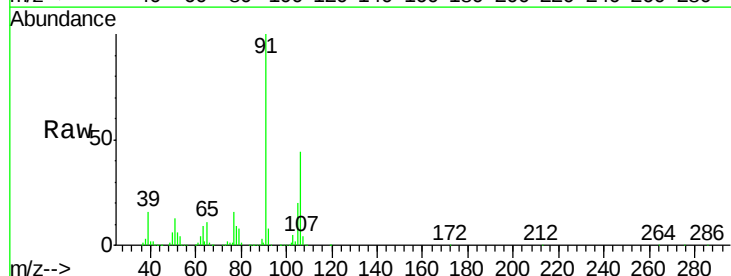
Instrument :
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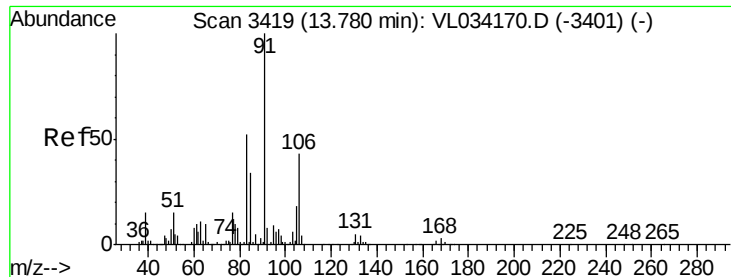
Tot Ion: 91 Resp: 4856603
Ion Ratio Lower Upper
91 100
106 32.4 24.2 36.4



#59
m/p-Xylene
Concen: 7.077 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VL034180.D
Acq: 17 Sep 2019 11:44

Tgt Ion: 91 Resp: 1911957
Ion Ratio Lower Upper
91 100
106 43.6 35.5 53.3

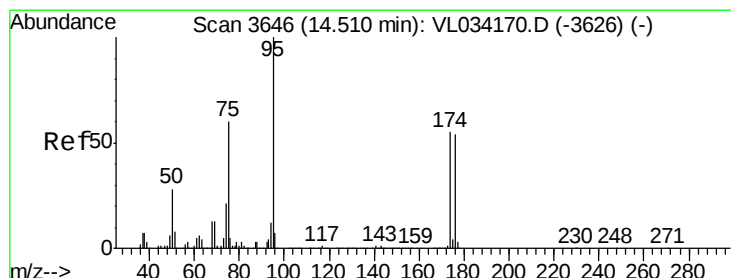
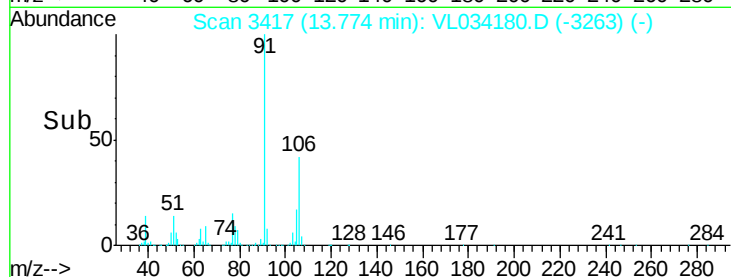
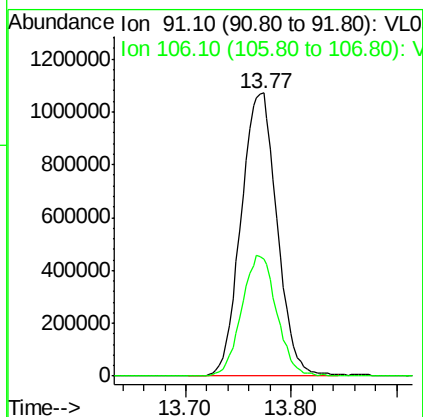
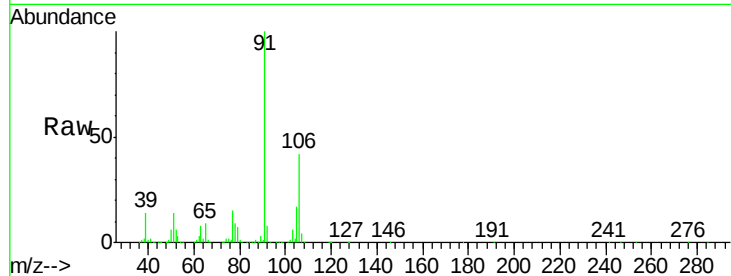




#60
o-Xylene
Concen: 9.403 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034180.D
Acq: 17 Sep 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tot Ion: 91 Resp: 2540124
Ion Ratio Lower Upper
91 100
106 41.8 21.2 63.6



#68
1-Bromo-4-Fluorobenzene
Concen: 11.200 ppbv
RT: 14.50 min Scan# 3643
Delta R.T. -0.01 min
Lab File: VL034180.D
Acq: 17 Sep 2019 11:44

Tgt Ion: 95 Resp: 1967361
Ion Ratio Lower Upper
95 100
174 57.3 45.1 67.7
175 4.0 3.3 4.9

