

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034179.D
 Acq On : 17 Sep 2019 11:05
 Operator : SY/AP
 Sample : K4098-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E049-1100

Quant Time: Sep 19 11:28:17 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	1139962	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1928320	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2116796	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	2092305	11.38	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.80%

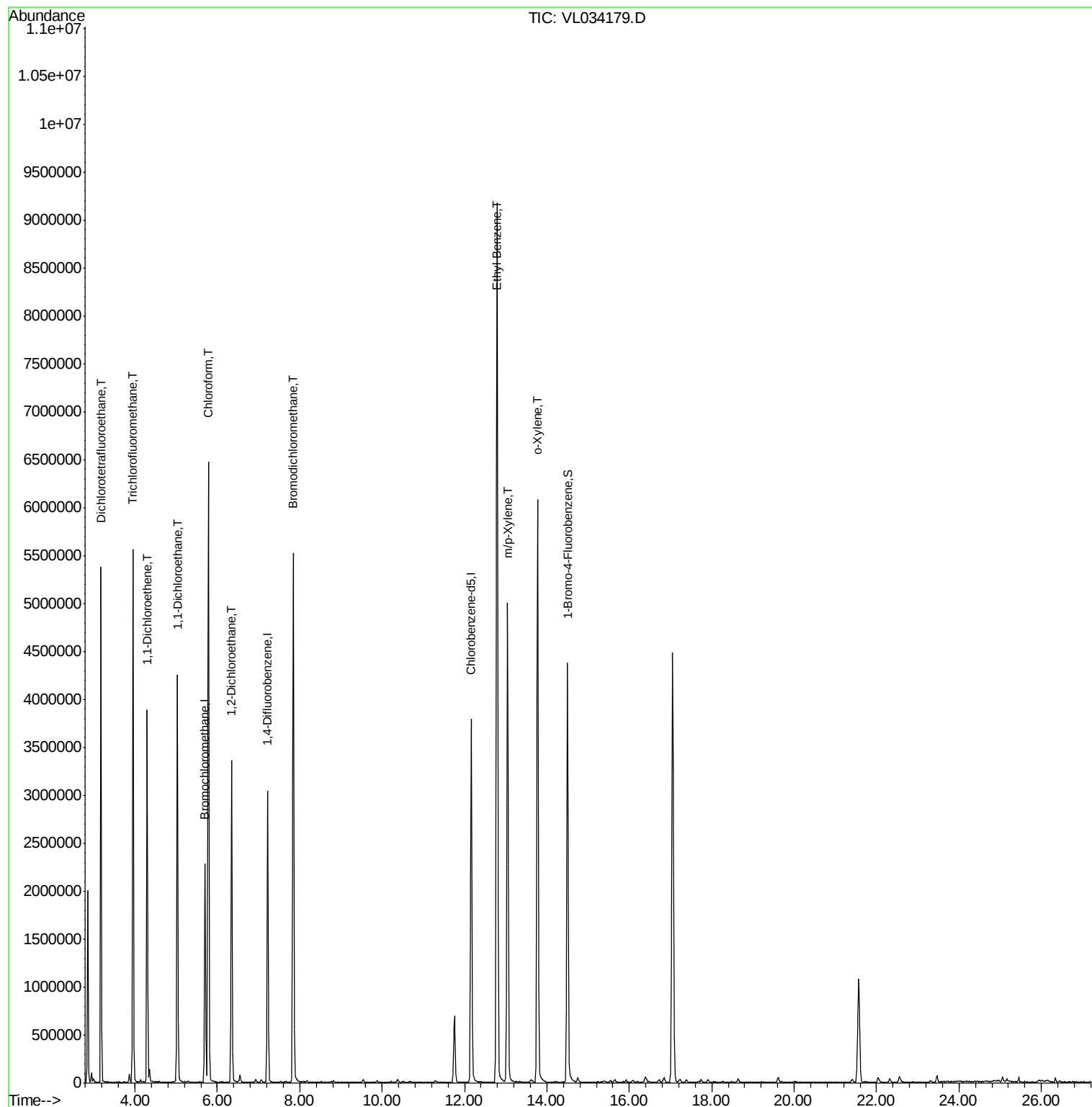
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Dichlorotetrafluoroethane	3.18	85	2081685	14.007	ppbv	100
11) Trichlorofluoromethane	3.95	101	3556122	23.201	ppbv	90
18) 1,1-Dichloroethene	4.30	96	1055558	24.127	ppbv	87
24) 1,1-Dichloroethane	5.03	63	3589518	23.678	ppbv #	96
29) Chloroform	5.78	83	4431850	25.806	ppbv	92
37) 1,2-Dichloroethane	6.35	62	2816207	18.591	ppbv	100
42) Bromodichloromethane	7.84	83	3754380	20.652	ppbv	95
58) Ethyl Benzene	12.79	91	7860107	23.013	ppbv #	78
59) m/p-Xylene	13.04	91	3695195	13.062	ppbv	100
60) o-Xylene	13.77	91	4709975	16.650	ppbv	97

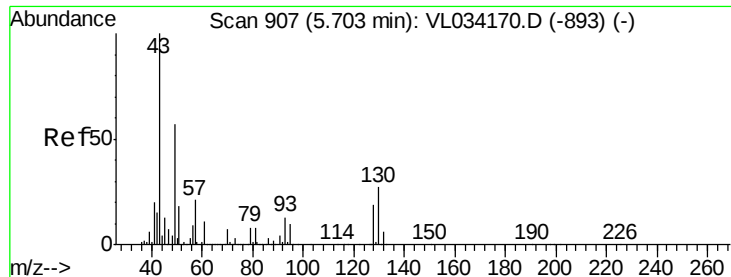
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VL034179.D

Acq: 17 Sep 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

E049-1100

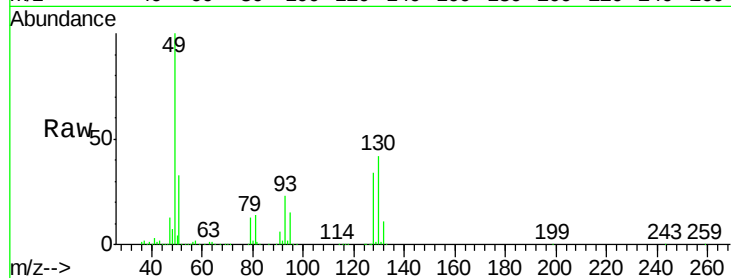
Tot Ion: 49 Resp: 1139962

Ion	Ratio	Lower	Upper
49	100		
128	34.6	17.6	52.9
130	43.9	22.3	66.9

49 100

128 34.6 17.6 52.9

130 43.9 22.3 66.9



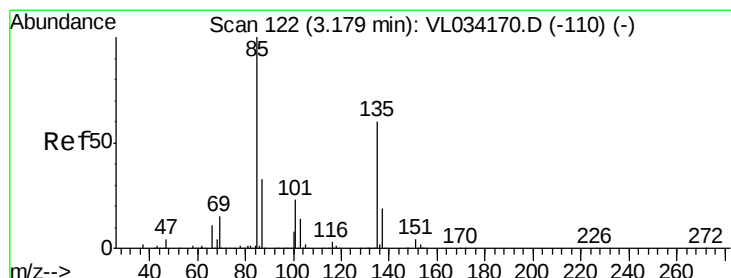
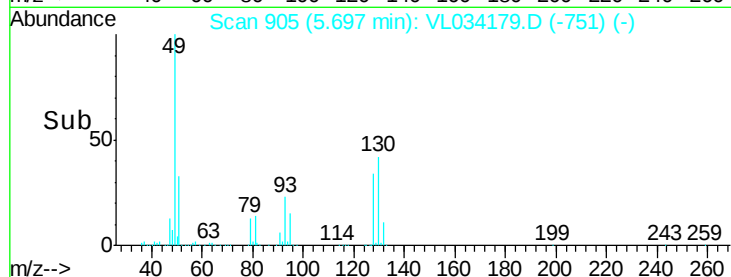
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.70

Time-->



#8

Dichlorotetrafluoroethane

Concen: 14.007 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL034179.D

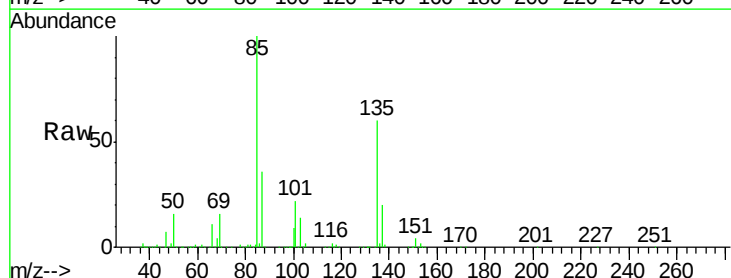
Acq: 17 Sep 2019 11:05

Tgt Ion: 85 Resp: 2081685

Ion	Ratio	Lower	Upper
85	100		
135	59.3	47.3	70.9

85 100

135 59.3 47.3 70.9

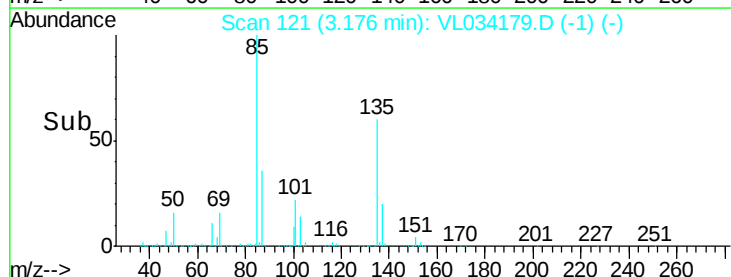


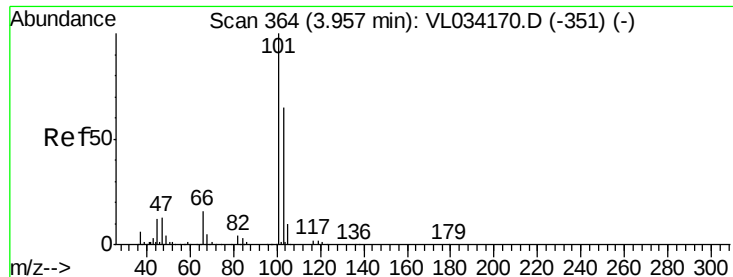
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

Time-->



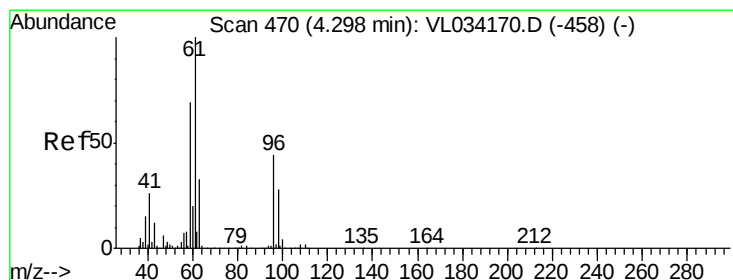
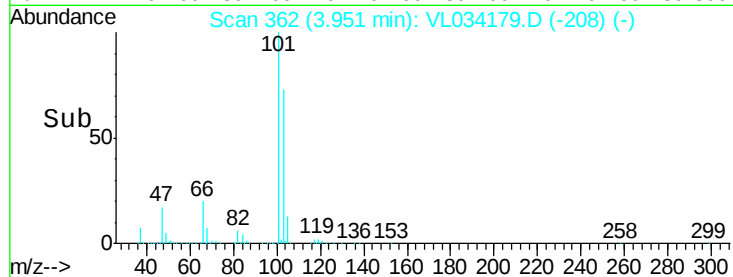
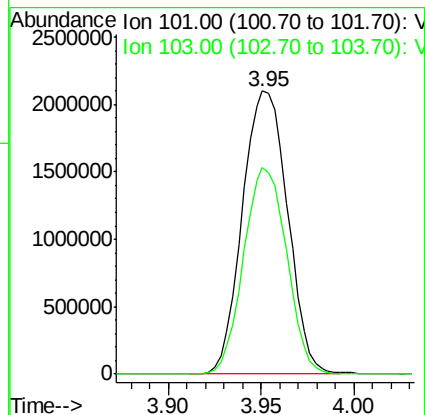
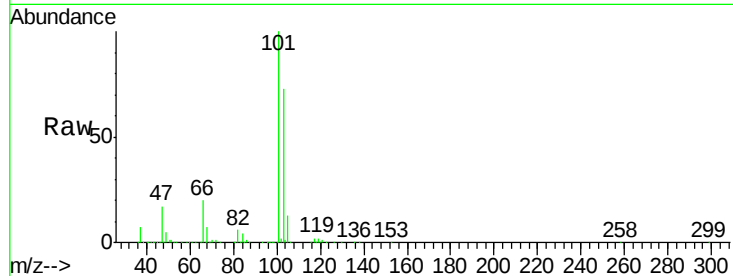


#11

Trichlorofluoromethane
Concen: 23.201 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL034179.D
Acq: 17 Sep 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
E049-1100

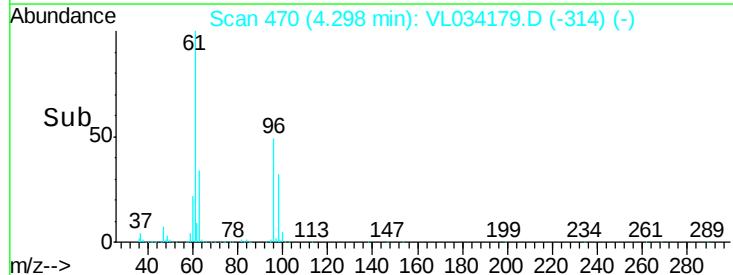
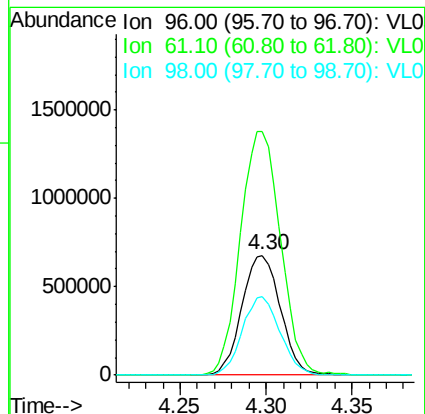
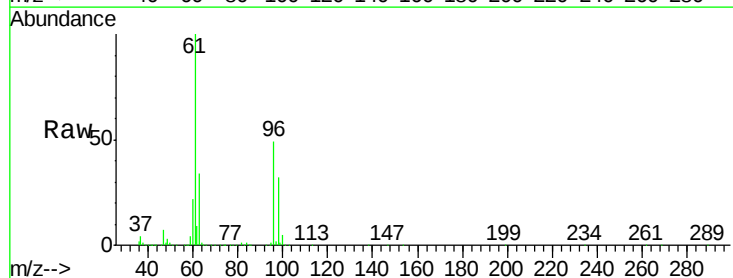
Tot Ion:101 Resp: 3556122
Ion Ratio Lower Upper
101 100
103 73.0 52.1 78.1

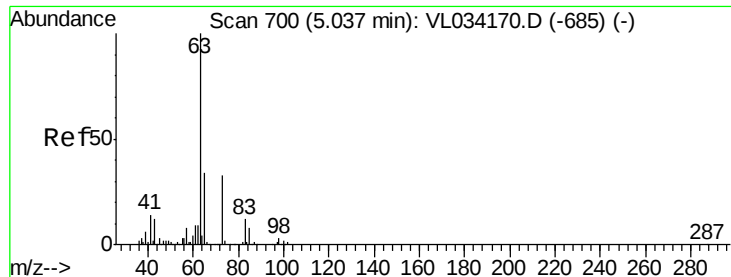


#18

1,1-Dichloroethene
Concen: 24.127 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL034179.D
Acq: 17 Sep 2019 11:05

Tgt Ion: 96 Resp: 1055558
Ion Ratio Lower Upper
96 100
61 203.0 183.3 274.9
98 65.7 51.4 77.2





#24

1,1-Dichloroethane

Concen: 23.678 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL034179.D

Acq: 17 Sep 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

E049-1100

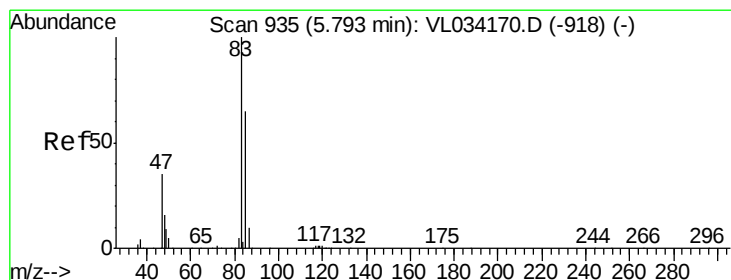
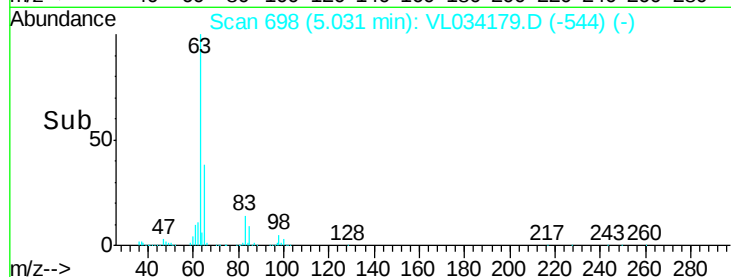
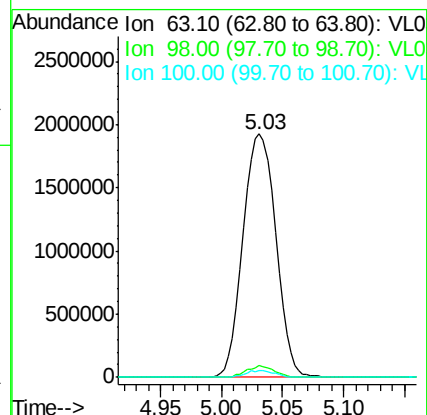
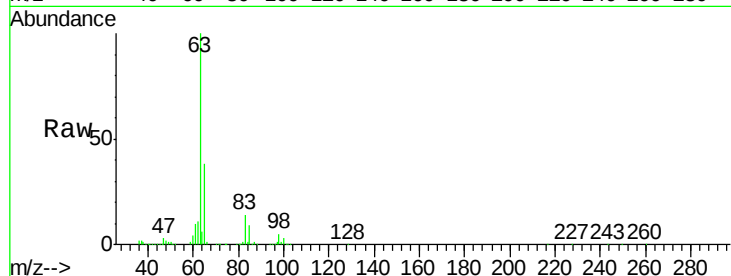
Tot Ion: 63 Resp: 3589518

Ion Ratio Lower Upper

63 100

98 4.8 1.8 5.3

100 3.0 1.0 3.0#



#29

Chloroform

Concen: 25.806 ppbv

RT: 5.78 min Scan# 932

Delta R.T. -0.01 min

Lab File: VL034179.D

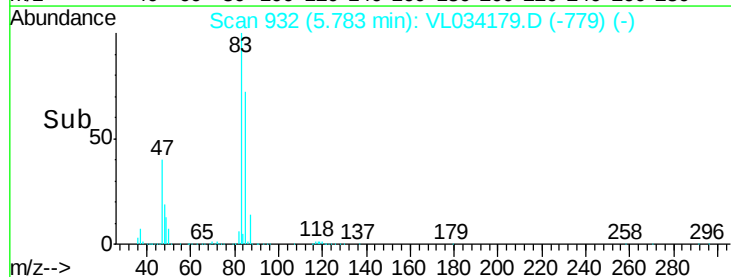
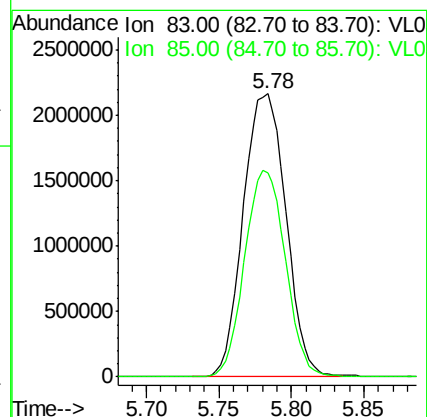
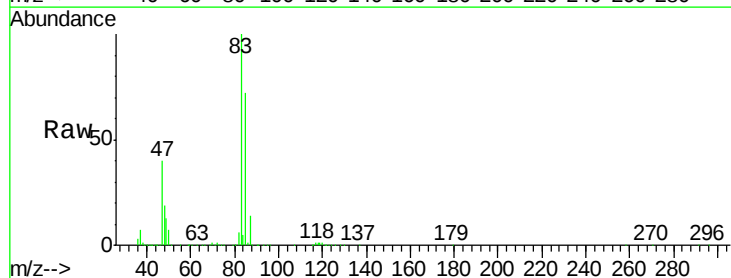
Acq: 17 Sep 2019 11:05

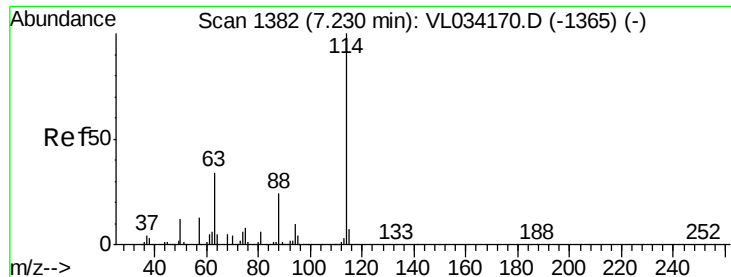
Tgt Ion: 83 Resp: 4431850

Ion Ratio Lower Upper

83 100

85 72.1 52.3 78.5

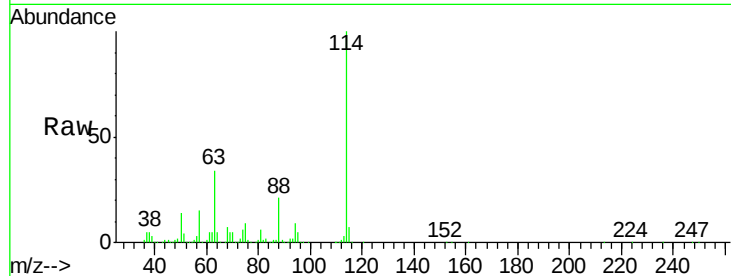




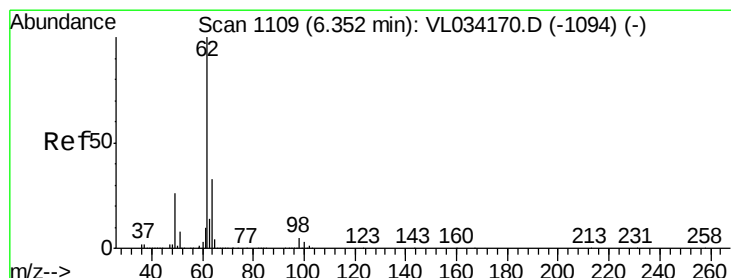
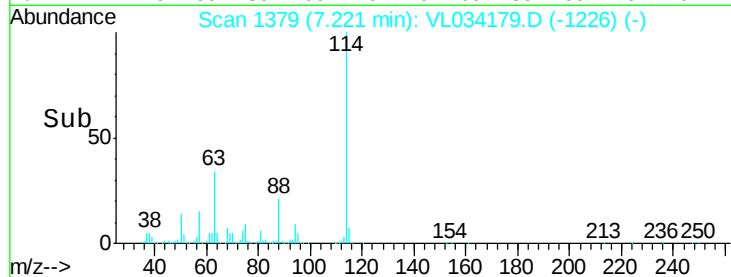
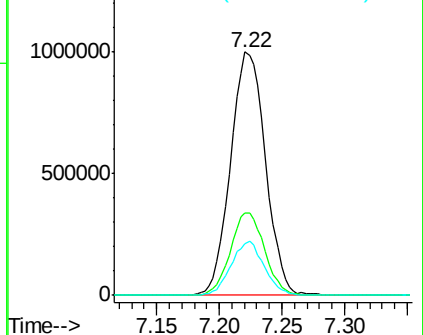
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VL034179.D
 Acq: 17 Sep 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 E049-1100

Tot Ion:114 Resp: 1928320
 Ion Ratio Lower Upper
 114 100
 63 33.3 27.8 41.6
 88 21.1 17.1 25.7

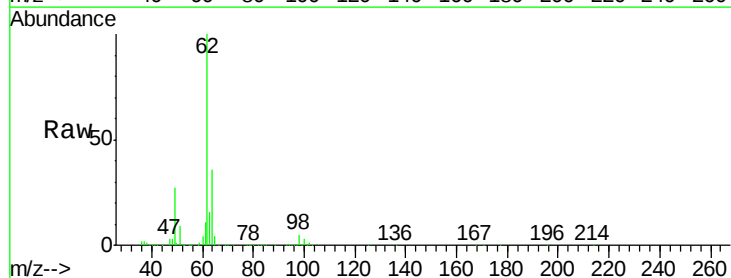


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

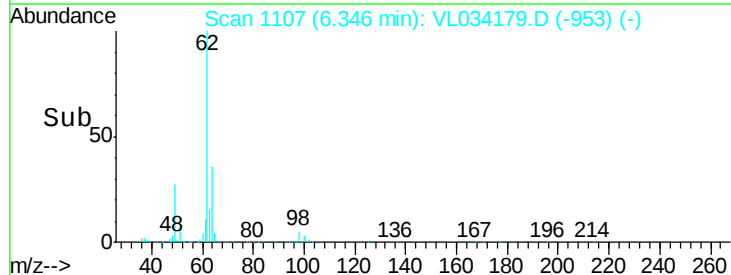
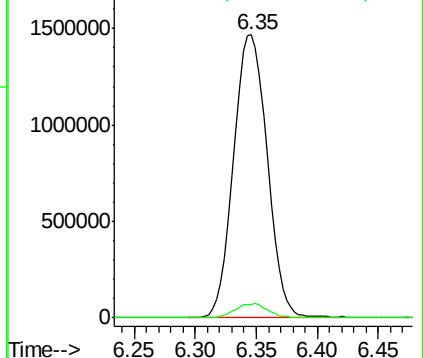


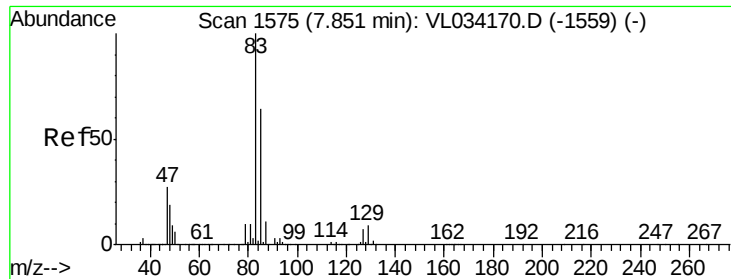
#37
 1,2-Dichloroethane
 Concen: 18.591 ppbv
 RT: 6.35 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VL034179.D
 Acq: 17 Sep 2019 11:05

Tgt Ion: 62 Resp: 2816207
 Ion Ratio Lower Upper
 62 100
 98 4.9 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: 20.652 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL034179.D

Acq: 17 Sep 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

E049-1100

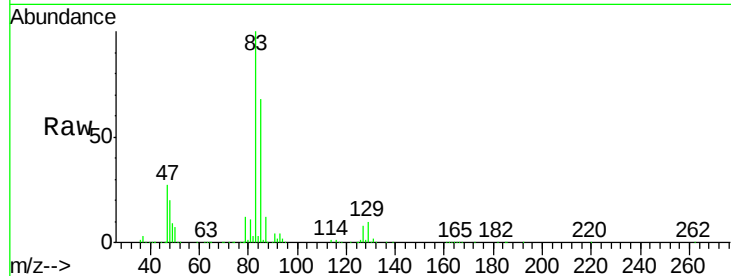
Tot Ion: 83 Resp: 3754380

Ion Ratio Lower Upper

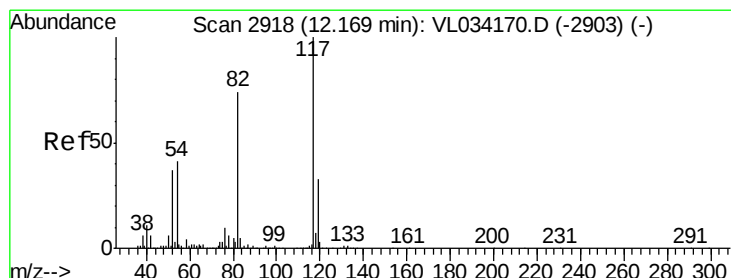
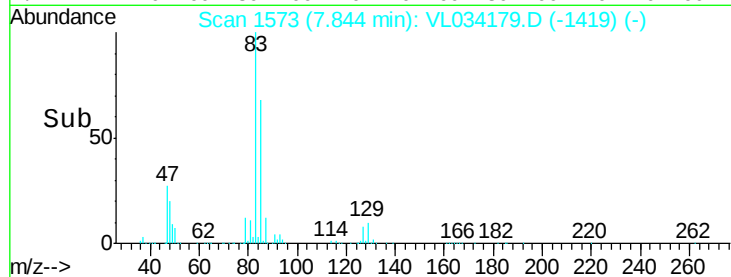
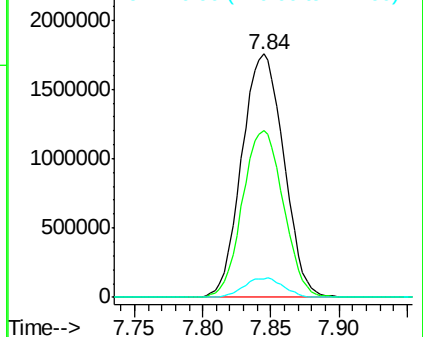
83 100

85 68.3 51.4 77.0

127 7.7 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# 2916

Delta R.T. -0.01 min

Lab File: VL034179.D

Acq: 17 Sep 2019 11:05

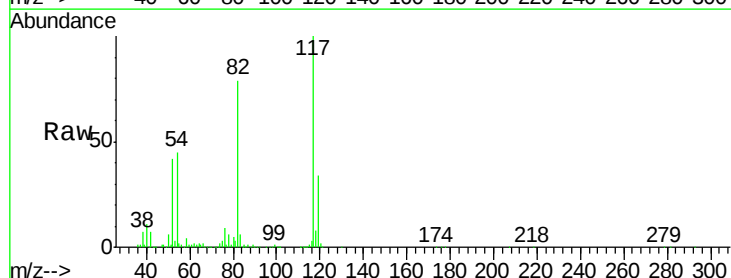
Tgt Ion: 117 Resp: 2116796

Ion Ratio Lower Upper

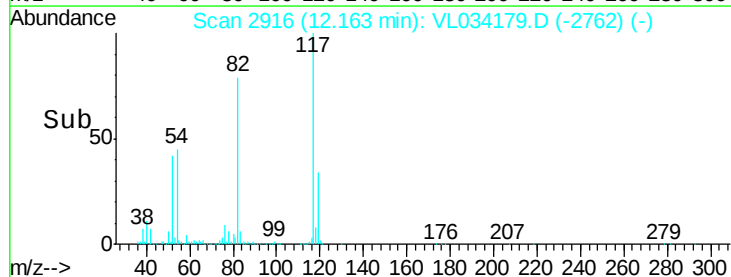
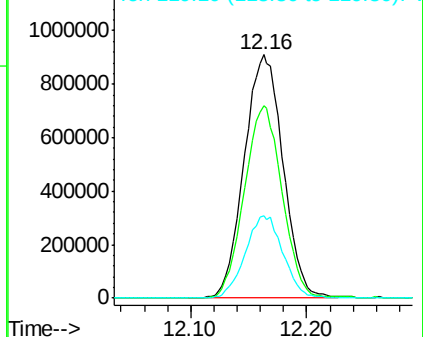
117 100

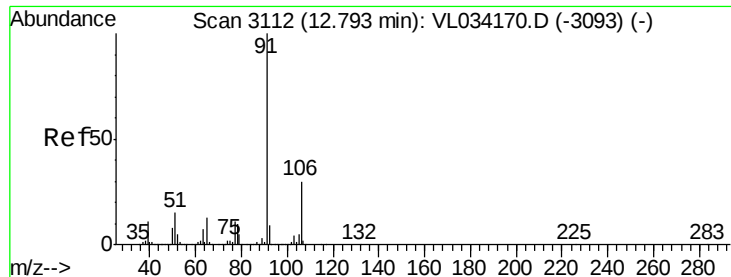
82 77.5 58.2 87.4

119 33.1 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: 23.013 ppbv

RT: 12.79 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VL034179.D

Acq: 17 Sep 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

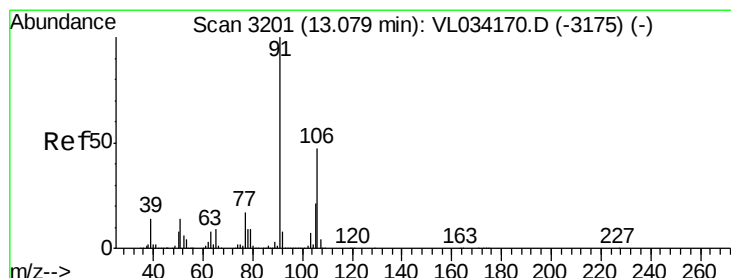
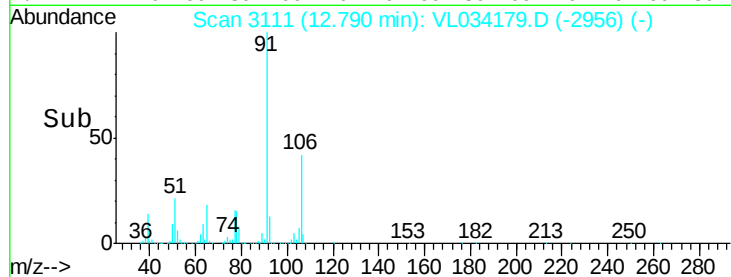
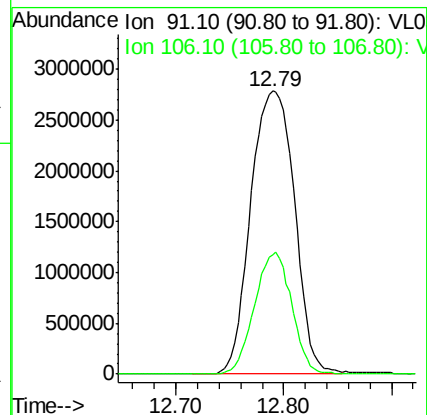
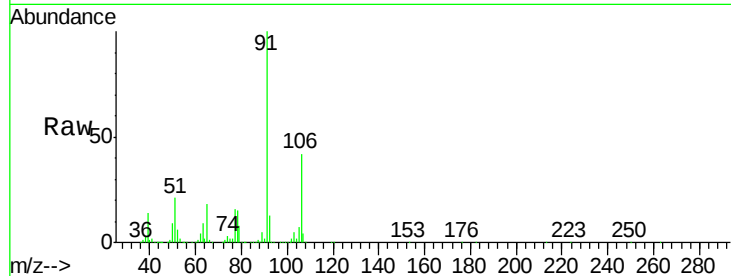
E049-1100

Tot Ion: 91 Resp: 7860107

Ion Ratio Lower Upper

91 100

106 42.4 24.2 36.4#



#59

m/p-Xylene

Concen: 13.062 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VL034179.D

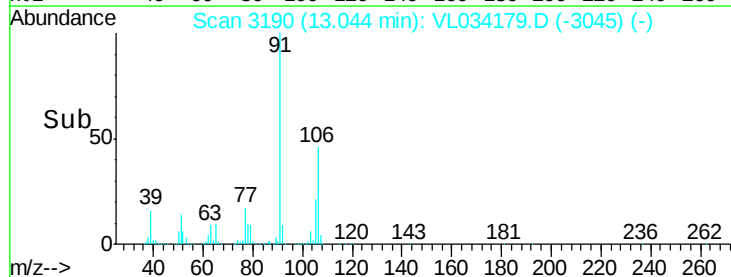
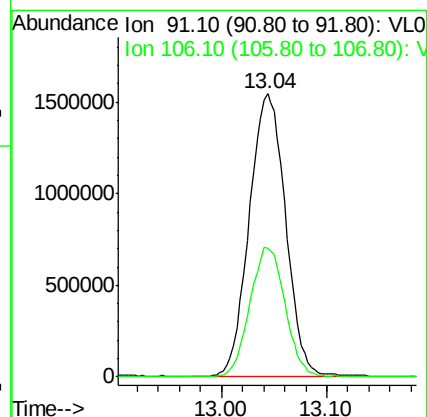
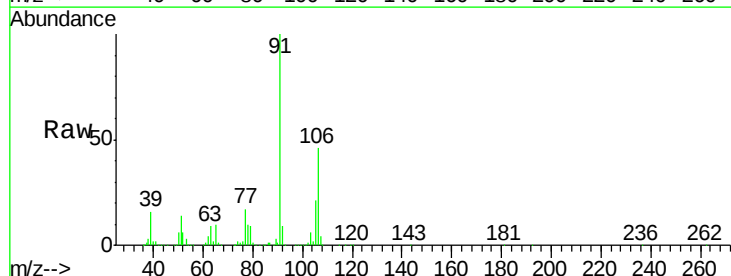
Acq: 17 Sep 2019 11:05

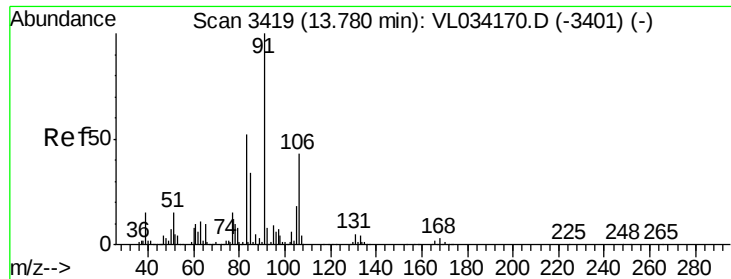
Tgt Ion: 91 Resp: 3695195

Ion Ratio Lower Upper

91 100

106 44.6 35.5 53.3

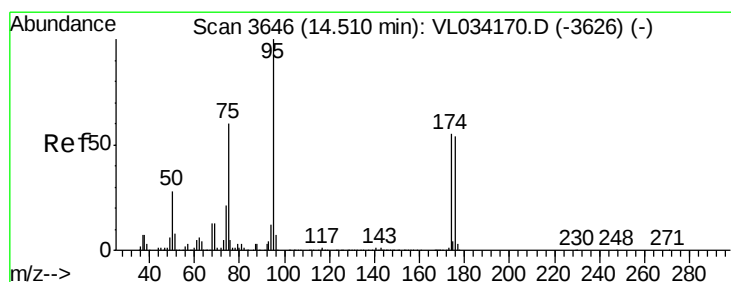
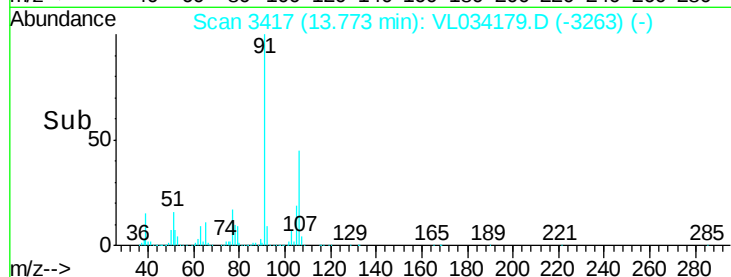
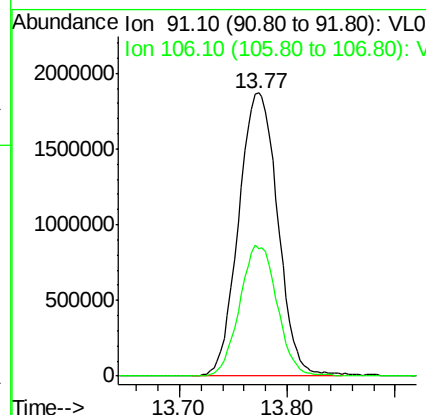
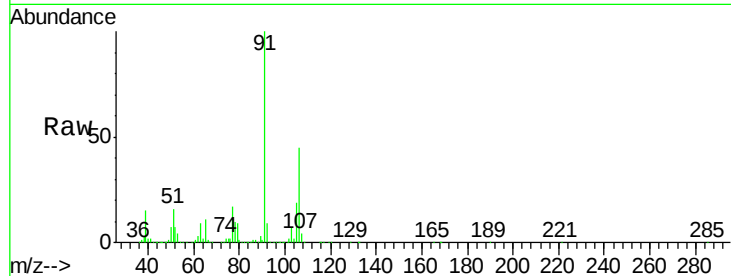




#60
o-Xylene
Concen: 16.650 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034179.D
Acq: 17 Sep 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
E049-1100

Tot Ion: 91 Resp: 4709975
Ion Ratio Lower Upper
91 100
106 44.5 21.2 63.6



#68
1-Bromo-4-Fluorobenzene
Concen: 11.375 ppbv
RT: 14.50 min Scan# 3642
Delta R.T. -0.01 min
Lab File: VL034179.D
Acq: 17 Sep 2019 11:05

Tgt Ion: 95 Resp: 2092305
Ion Ratio Lower Upper
95 100
174 58.7 45.1 67.7
175 4.3 3.3 4.9

