

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035693.D
 Acq On : 21 Sep 2020 19:38
 Operator : SY/AP
 Sample : L3983-07DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL2

Quant Time: Sep 22 03:52:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1016743	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3794337	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3882562	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2843598	10.31	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

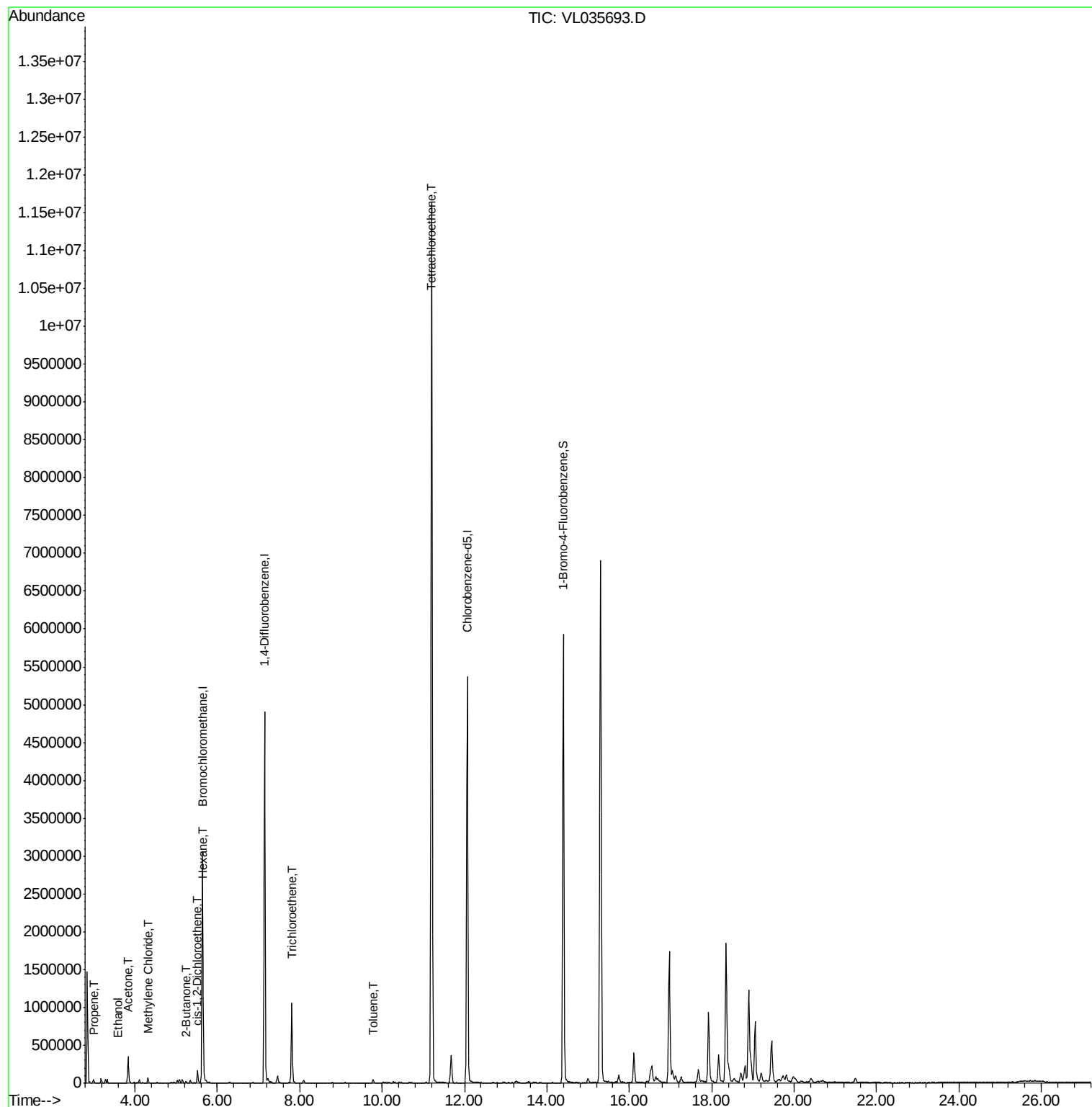
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	12375	0.285	ppbv	88
13) Ethanol	3.59	45	1939	0.180	ppbv	91
15) Acetone	3.83	43	337022	3.005	ppbv	99
20) Methylene Chloride	4.32	84	26878	0.322	ppbv #	84
26) Hexane	5.66	57	21012	0.187	ppbv #	43
31) cis-1,2-Dichloroethene	5.52	61	79348	0.689	ppbv	97
34) 2-Butanone	5.24	43	21386	0.190	ppbv	89
38) Trichloroethene	7.81	130	357724	2.507	ppbv	97
52) Tetrachloroethene	11.20	164	3281710	22.871	ppbv	93
53) Toluene	9.78	91	41026	0.133	ppbv	97

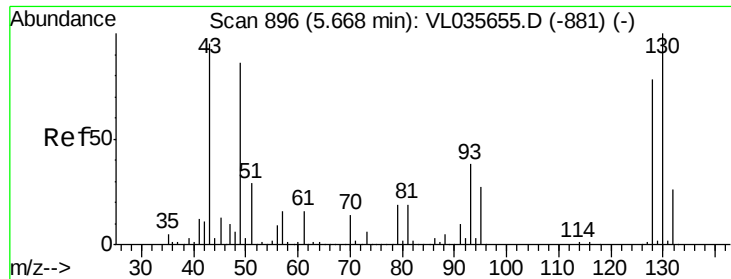
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

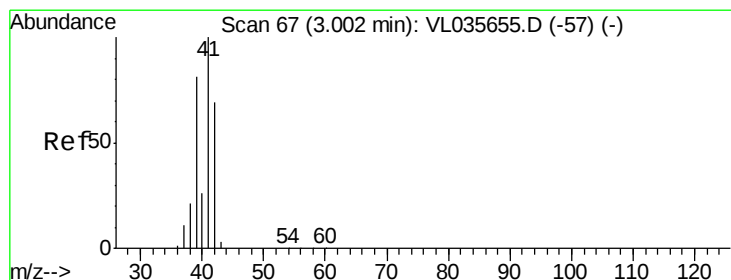
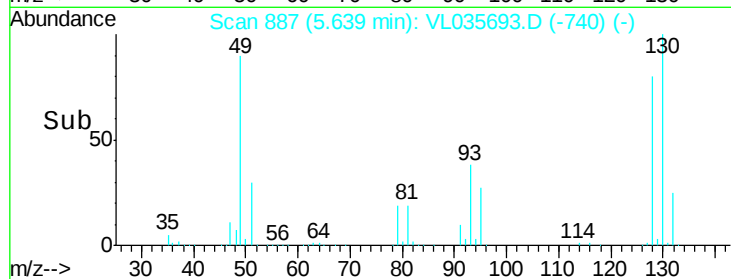
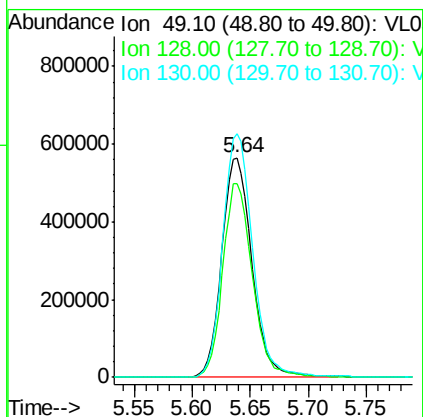
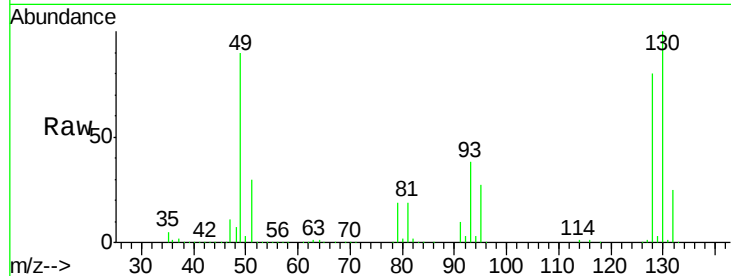




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.03 min
 Lab File: VL035693.D
 Acq: 21 Sep 2020 19:38

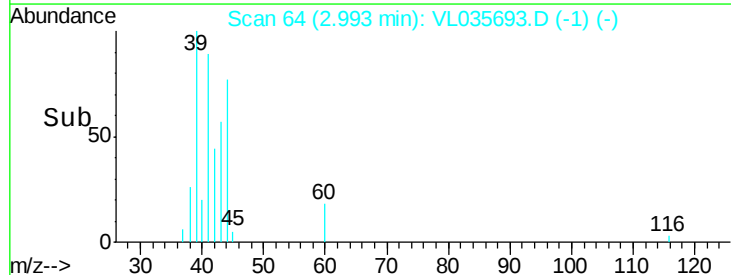
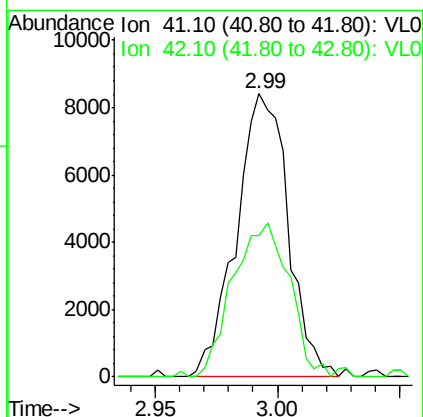
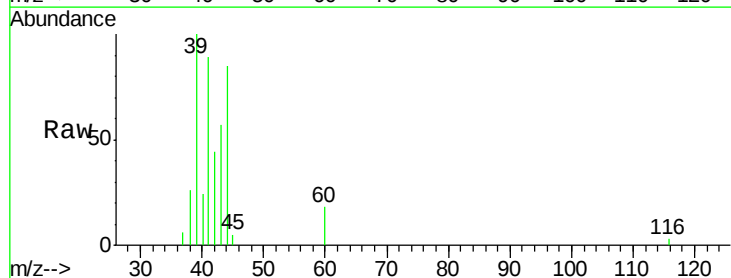
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL2

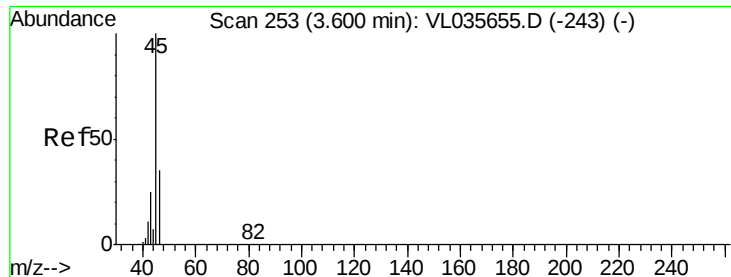
Tot Ion: 49 Resp: 1016743
 Ion Ratio Lower Upper
 49 100
 128 87.5 50.0 150.1
 130 110.8 64.4 193.2



#9
 Propene
 Concen: 0.285 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. -0.00 min
 Lab File: VL035693.D
 Acq: 21 Sep 2020 19:38

Tgt Ion: 41 Resp: 12375
 Ion Ratio Lower Upper
 41 100
 42 60.3 56.3 84.5





#13

Ethanol

Concen: 0.180 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.00 min

Lab File: VL035693.D

Acq: 21 Sep 2020 19:38

Instrument :

MSVOA_L

ClientSampleId :

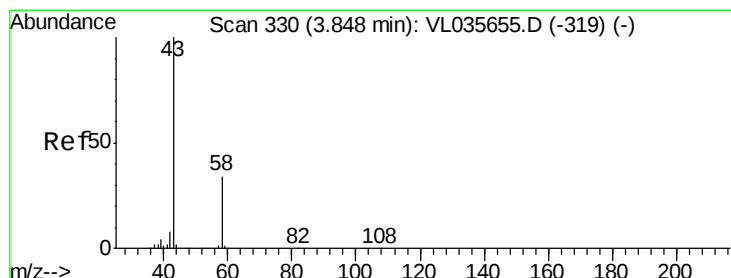
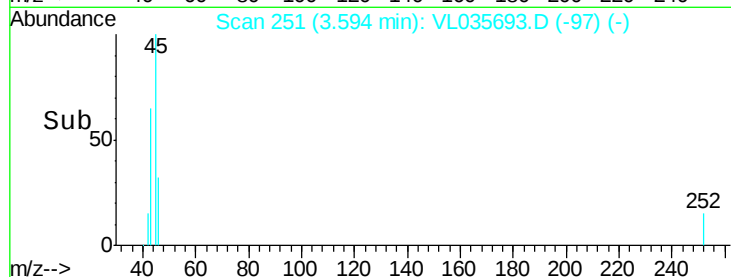
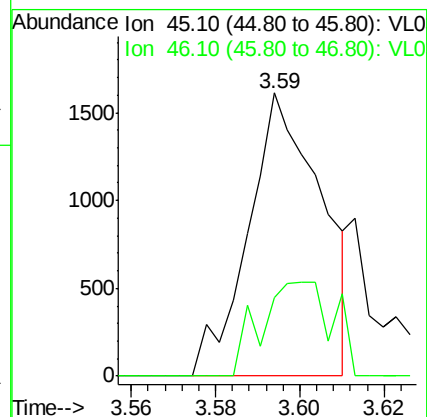
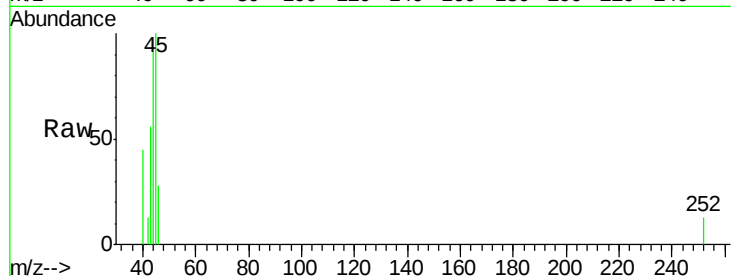
SV-10DL2

Tot Ion: 45 Resp: 1939

Ion Ratio Lower Upper

45 100

46 32.7 15.2 60.6



#15

Acetone

Concen: 3.005 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL035693.D

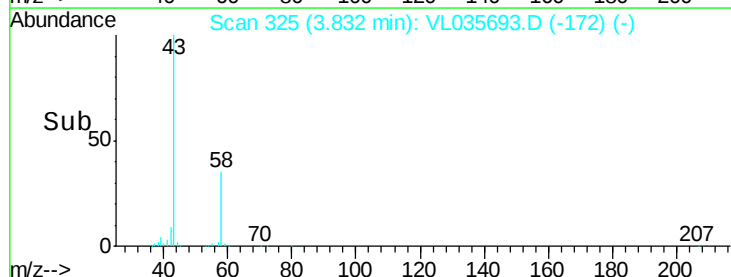
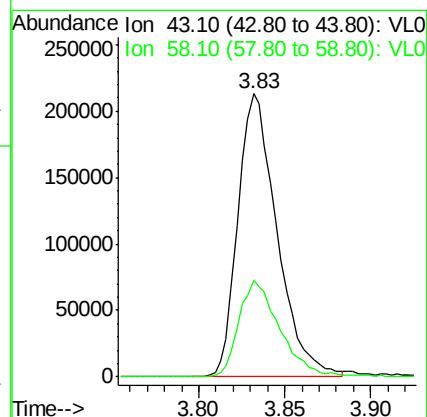
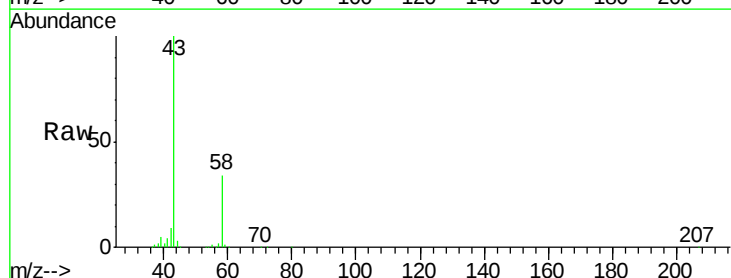
Acq: 21 Sep 2020 19:38

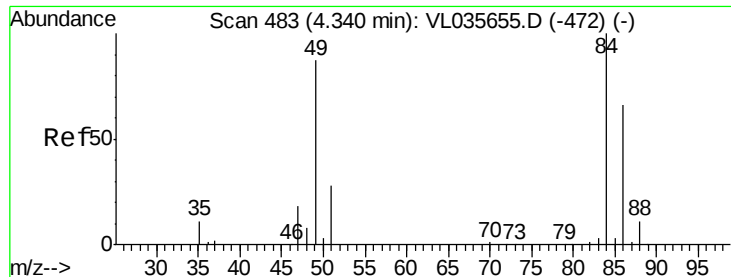
Tgt Ion: 43 Resp: 337022

Ion Ratio Lower Upper

43 100

58 36.1 28.4 42.6

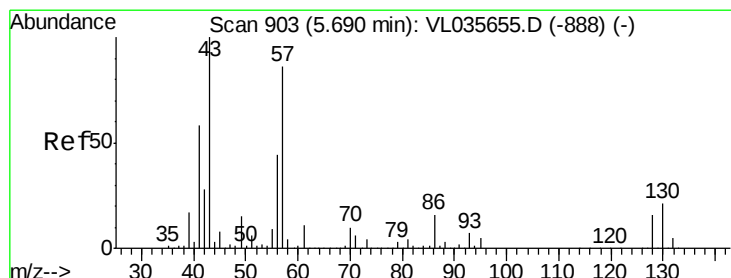
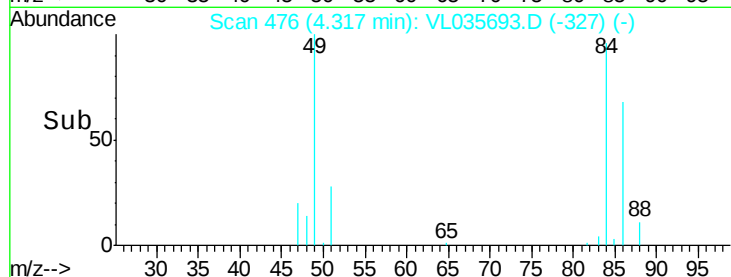
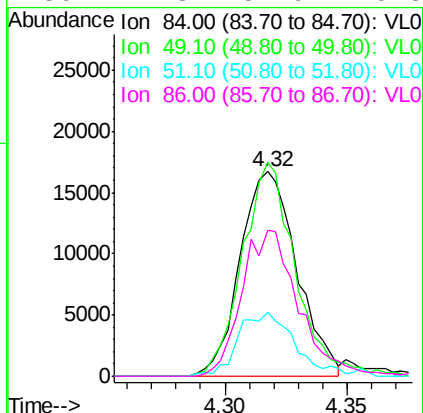
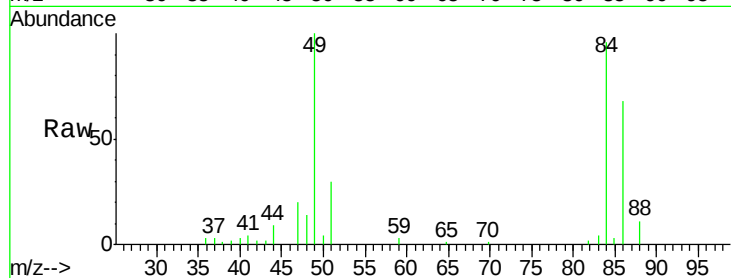




#20
Methvlene Chloride
Concen: 0.322 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.02 min
Lab File: VL035693.D
Acq: 21 Sep 2020 19:38

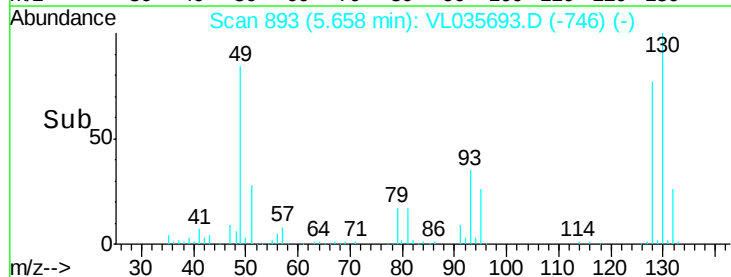
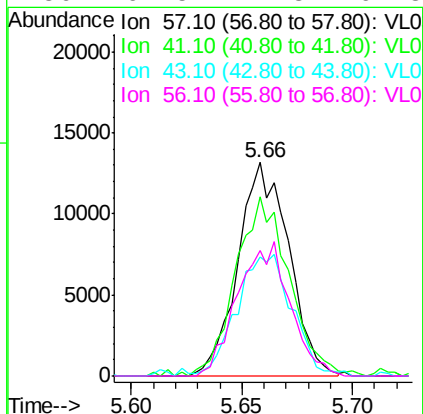
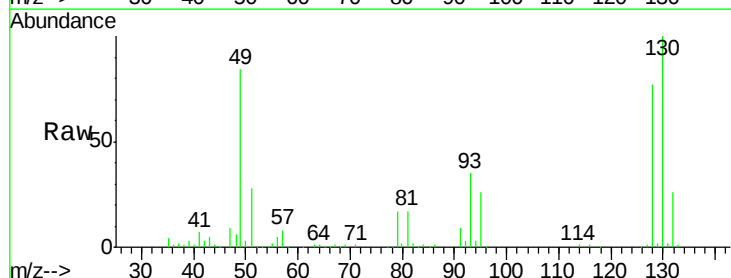
Instrument :
MSVOA_L
ClientSampleId :
SV-10DL2

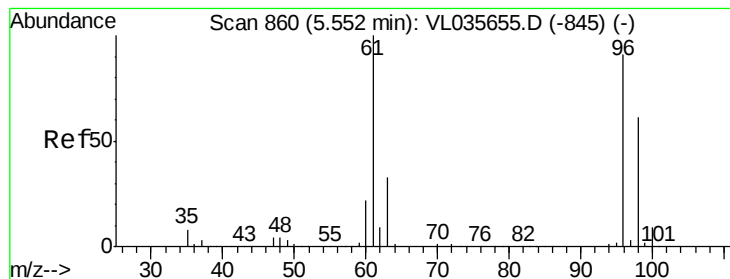
Tot Ion:	84	Resp:	26878
Ion	Ratio	Lower	Upper
84	100		
49	104.5	65.4	98.0#
51	31.3	21.5	32.3
86	71.3	52.9	79.3



#26
Hexane
Concen: 0.187 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035693.D
Acq: 21 Sep 2020 19:38

Tgt Ion:	57	Resp:	21012
Ion	Ratio	Lower	Upper
57	100		
41	89.2	55.9	83.9#
43	63.3	141.8	212.8#
56	64.5	41.8	62.8#





#31

cis-1,2-Dichloroethene

Concen: 0.689 ppbv

RT: 5.52 min Scan# 850

Delta R.T. -0.03 min

Lab File: VL035693.D

Acq: 21 Sep 2020 19:38

Instrument :

MSVOA_L

ClientSampleId :

SV-10DL2

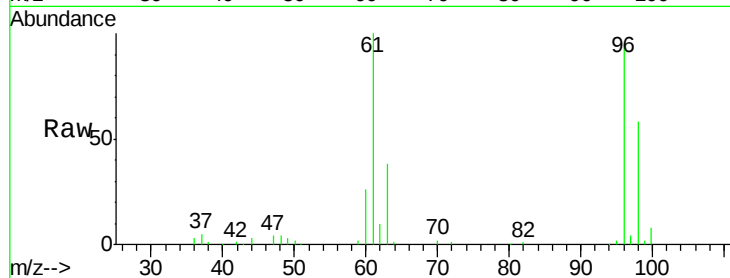
Tot Ion: 61 Resp: 79348

Ion Ratio Lower Upper

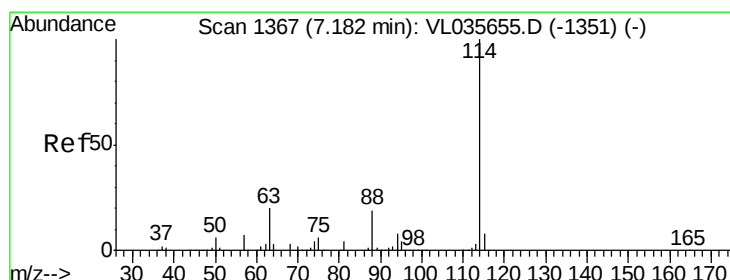
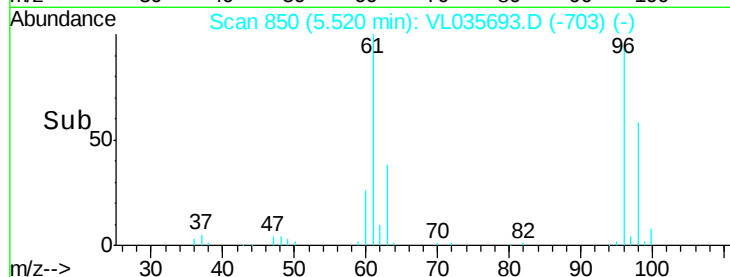
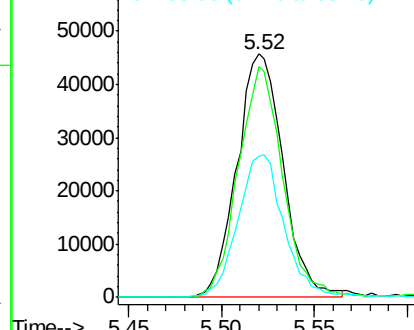
61 100

96 94.7 74.4 111.6

98 57.6 49.2 73.8



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.03 min

Lab File: VL035693.D

Acq: 21 Sep 2020 19:38

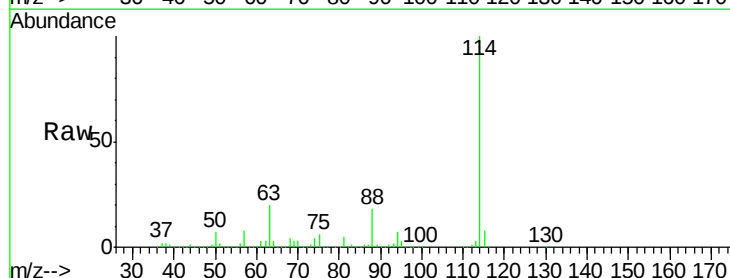
Tgt Ion: 114 Resp: 3794337

Ion Ratio Lower Upper

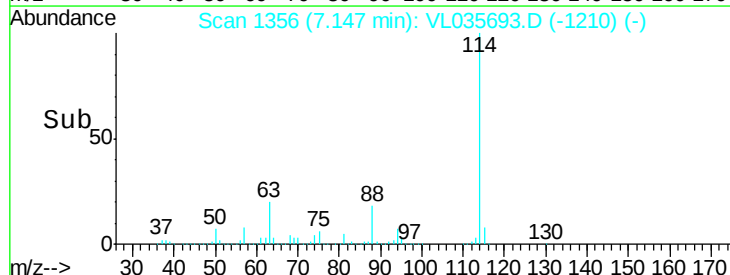
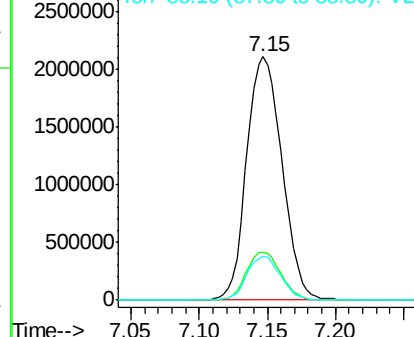
114 100

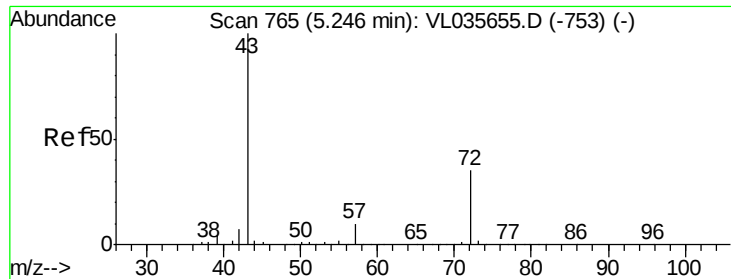
63 19.5 14.7 22.1

88 17.2 13.4 20.2



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





#34

2-Butanone

Concen: 0.190 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL035693.D

Acq: 21 Sep 2020 19:38

Instrument :

MSVOA_L

ClientSampleId :

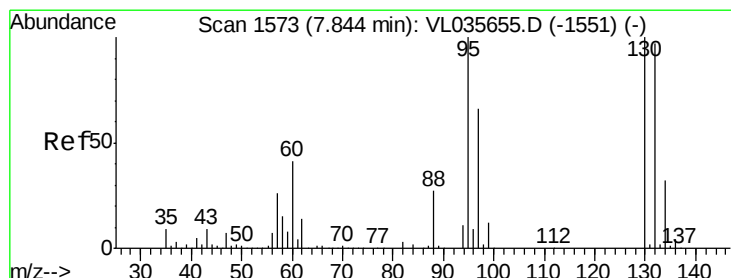
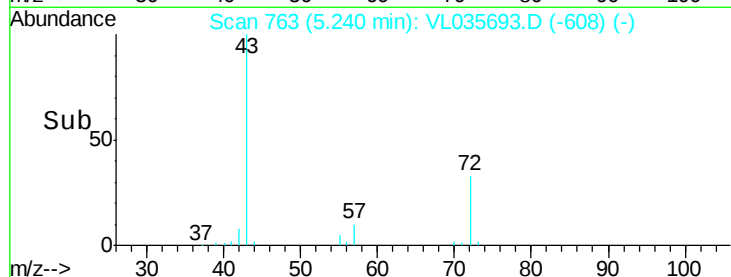
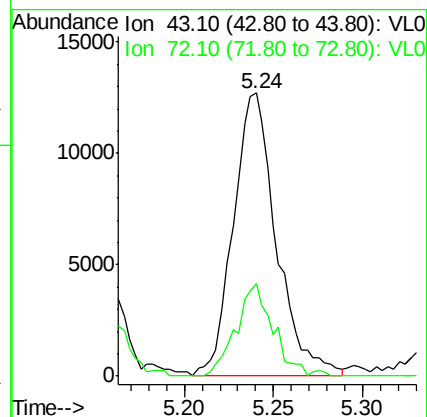
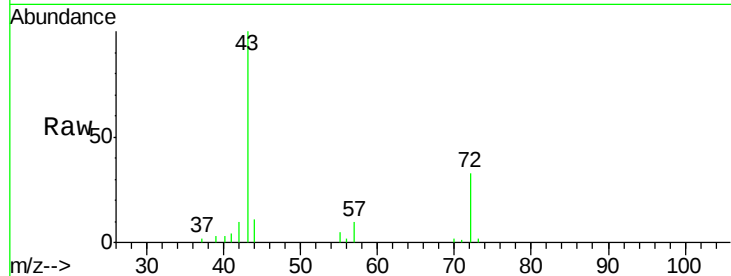
SV-10DL2

Tot Ion: 43 Resp: 21386

Ion Ratio Lower Upper

43 100

72 28.3 27.7 41.5



#38

Trichloroethene

Concen: 2.507 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.03 min

Lab File: VL035693.D

Acq: 21 Sep 2020 19:38

Tgt Ion:130 Resp: 357724

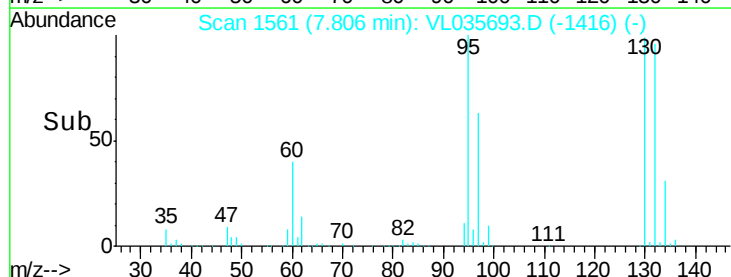
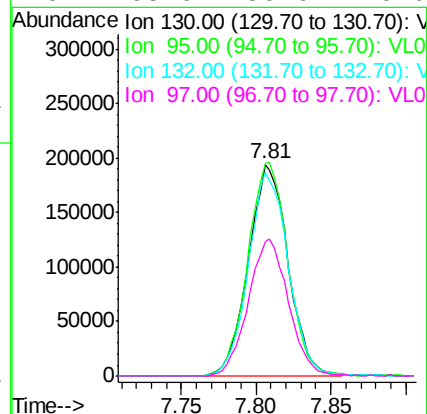
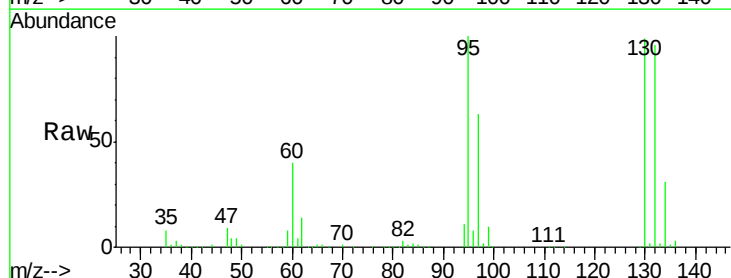
Ion Ratio Lower Upper

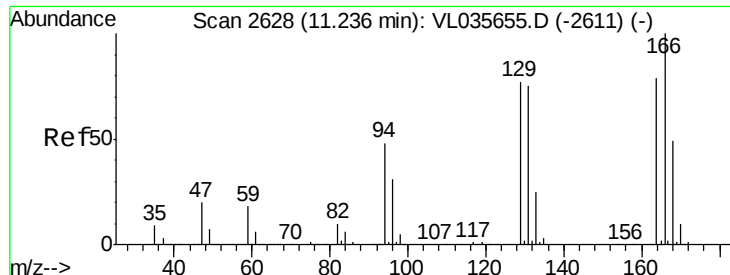
130 100

95 100.6 74.6 112.0

132 96.1 77.6 116.4

97 63.6 50.6 76.0





#52

Tetrachloroethene

Concen: 22.871 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.03 min

Lab File: VL035693.D

Acq: 21 Sep 2020 19:38

Instrument :

MSVOA_L

ClientSampleId :

SV-10DL2

Tot Ion:164 Resp: 3281710

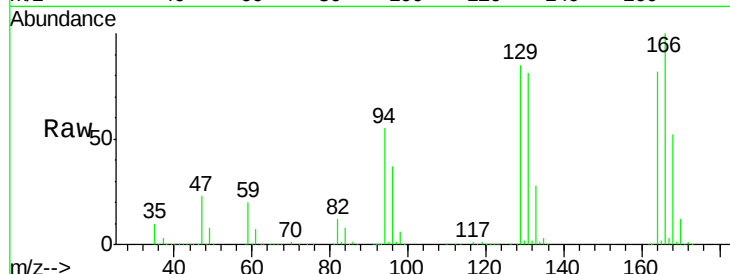
Ion Ratio Lower Upper

164 100

166 122.2 100.9 151.3

129 103.6 75.3 112.9

131 99.0 73.0 109.4

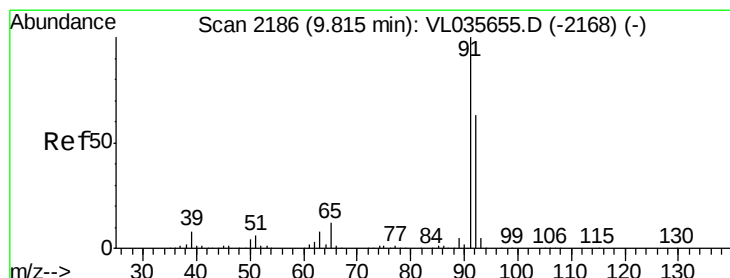
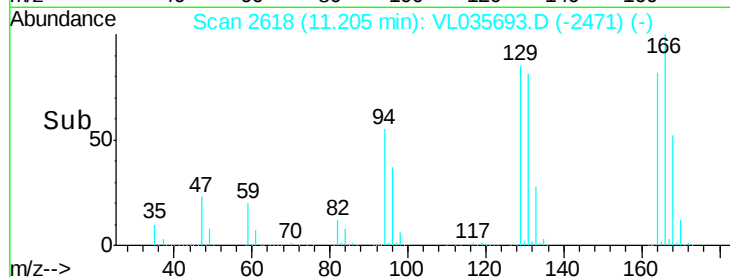
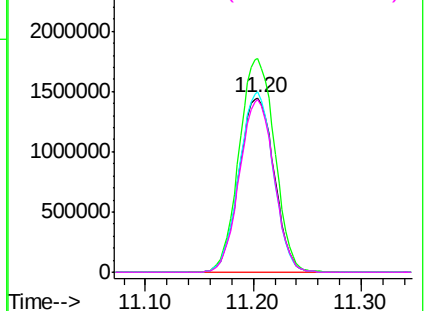


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.133 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035693.D

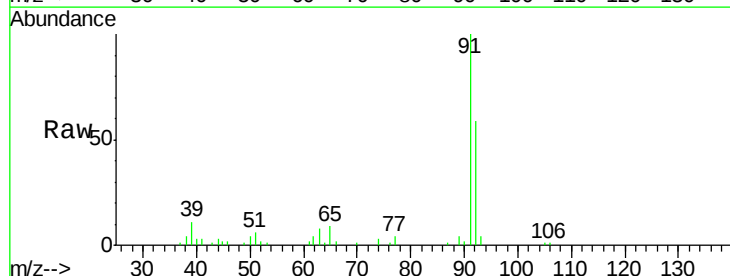
Acq: 21 Sep 2020 19:38

Tgt Ion: 91 Resp: 41026

Ion Ratio Lower Upper

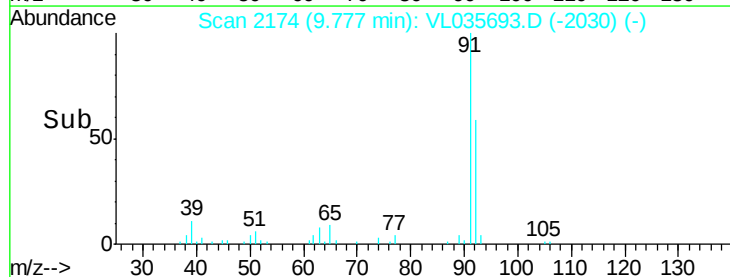
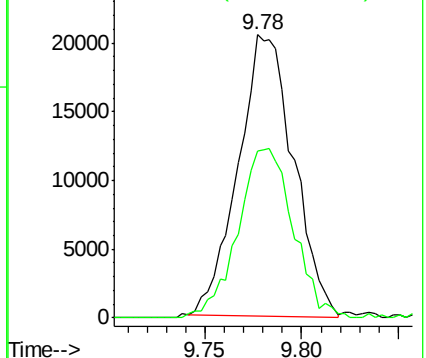
91 100

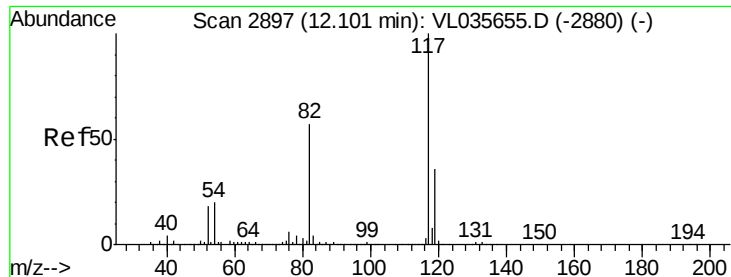
92 60.3 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

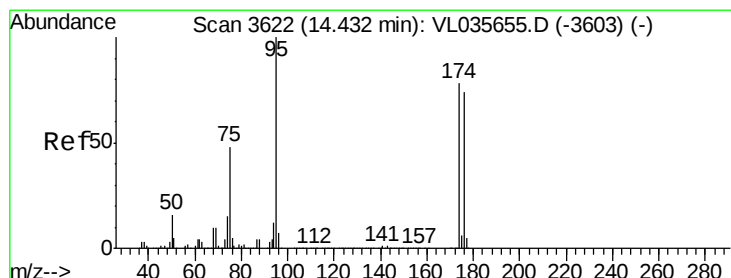
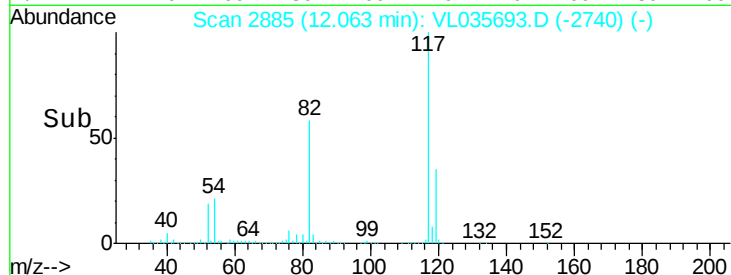
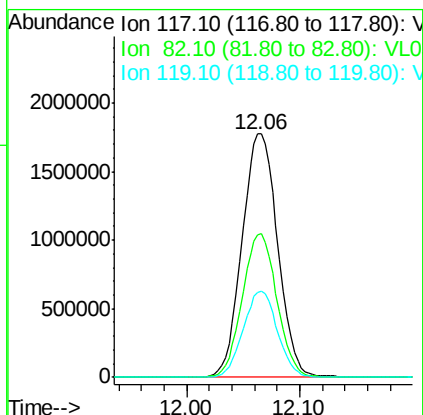
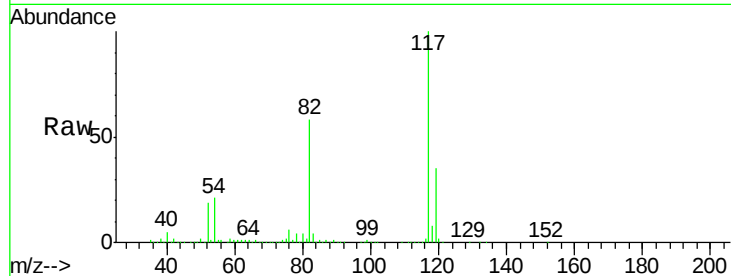




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL035693.D
Acq: 21 Sep 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
SV-10DL2

Tot Ion:117 Resp: 3882562
Ion Ratio Lower Upper
117 100
82 57.8 41.6 62.4
119 34.2 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.313 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL035693.D
Acq: 21 Sep 2020 19:38

Tgt Ion: 95 Resp: 2843598
Ion Ratio Lower Upper
95 100
174 77.2 69.6 104.4
175 5.6 5.1 7.7

