

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035715.D
 Acq On : 23 Sep 2020 12:23
 Operator : SY/AP
 Sample : L4079-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1DL

Quant Time: Sep 24 11:29:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1271072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4657227	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4650627	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3510774	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

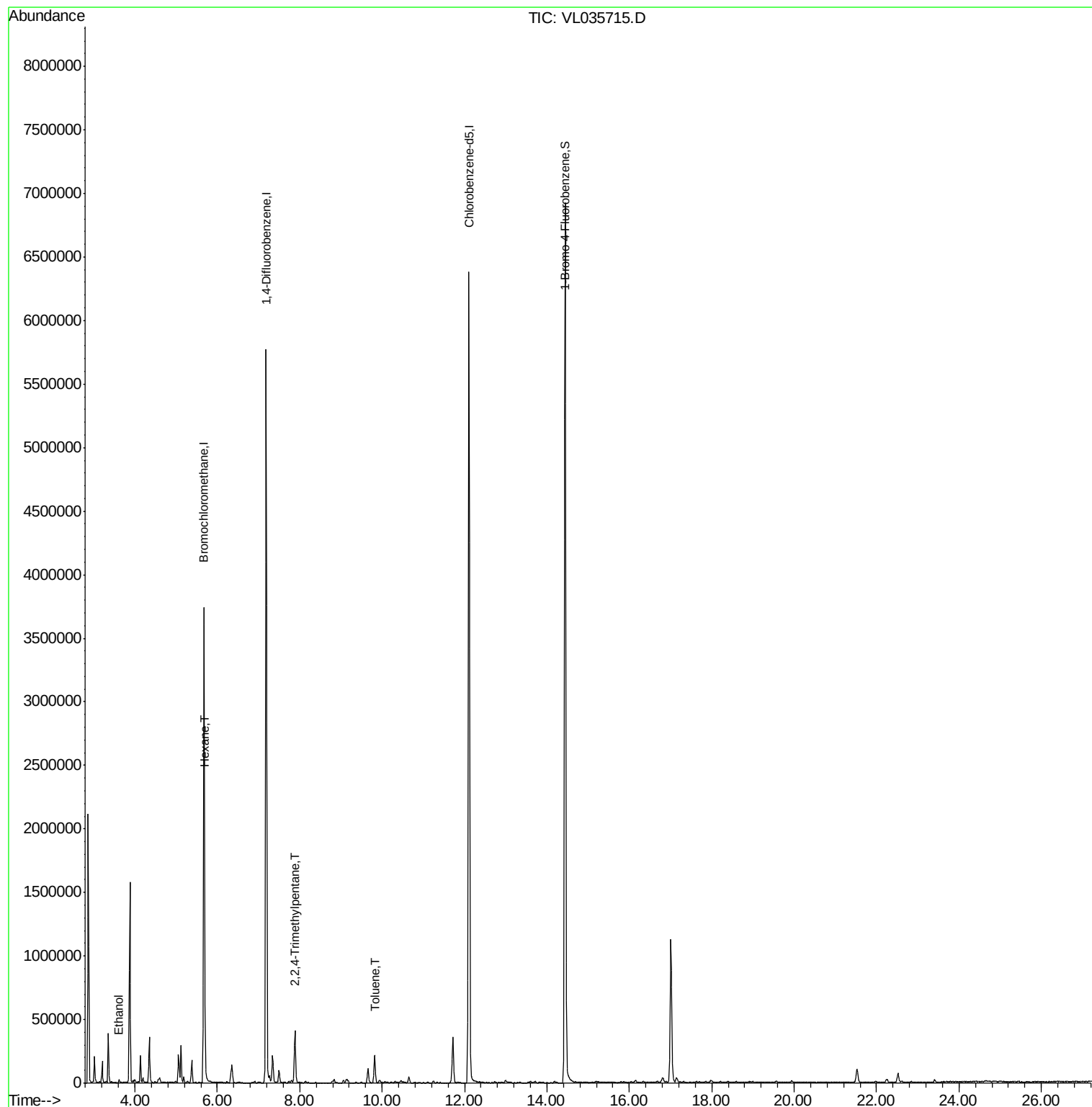
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	21256	1.736	ppbv	97
26) Hexane	5.70	57	67668	0.502	ppbv #	50
44) 2,2,4-Trimethylpentane	7.89	57	355689	0.817	ppbv	95
53) Toluene	9.82	91	37443	0.105	ppbv	96

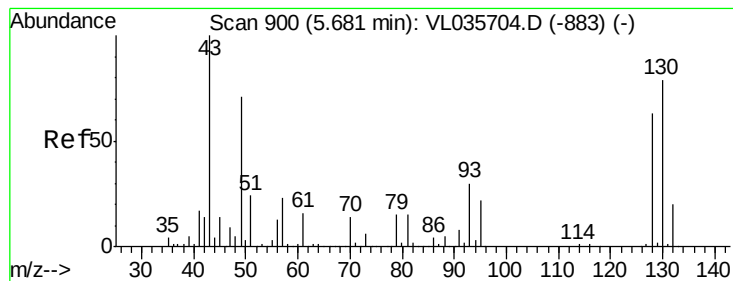
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035715.D

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Instrument :

MSVOA_L

ClientSampleId :

B-1DL

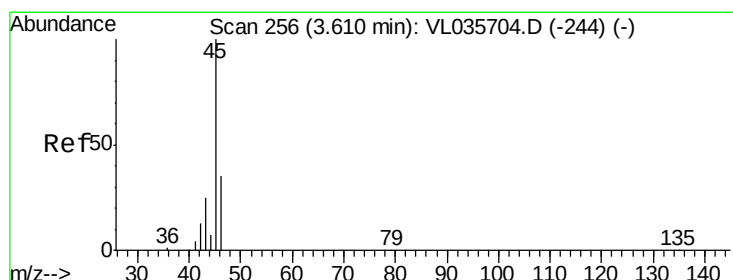
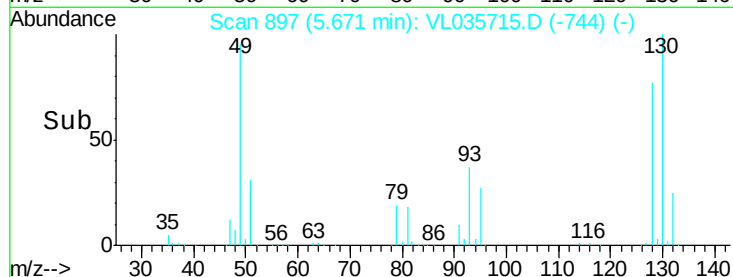
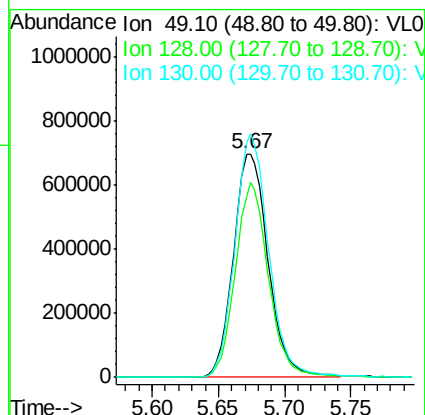
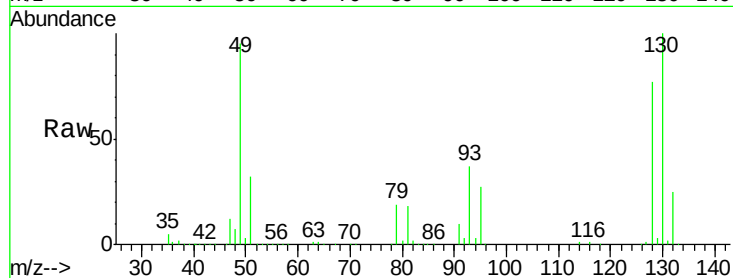
Tot Ion: 49 Resp: 1271072

Ion Ratio Lower Upper

49 100

128 83.7 43.1 129.4

130 106.7 54.9 164.7



#13

Ethanol

Concen: 1.736 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035715.D

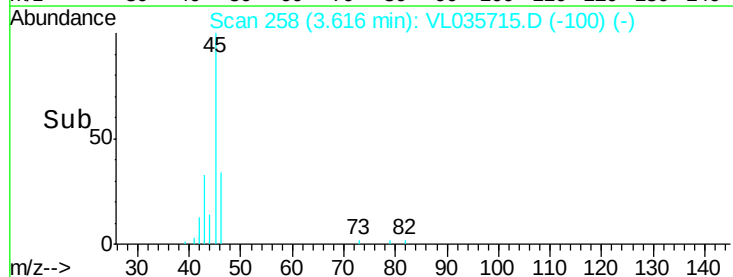
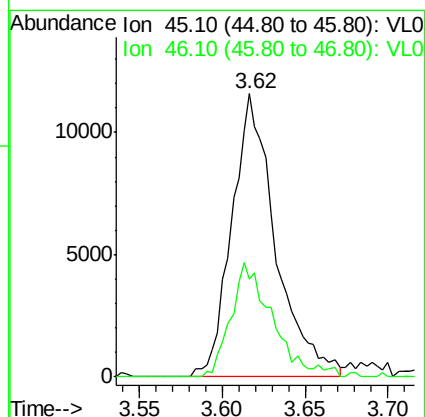
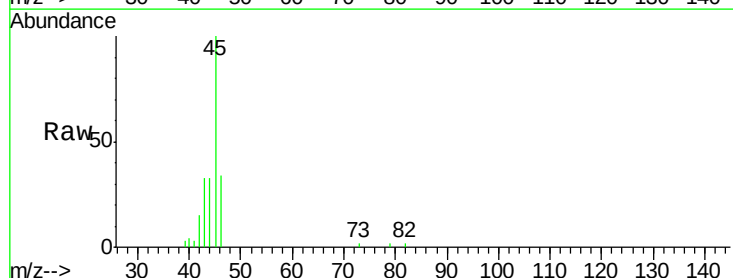
Acq: 23 Sep 2020 12:23

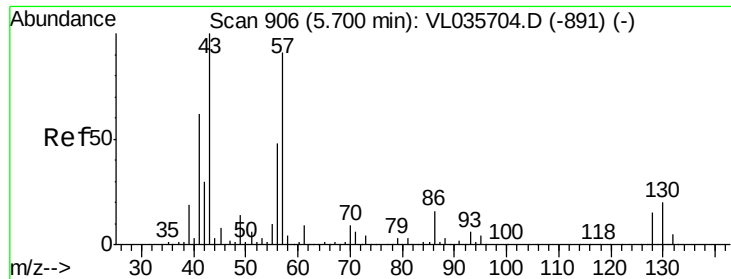
Tgt Ion: 45 Resp: 21256

Ion Ratio Lower Upper

45 100

46 38.7 14.7 58.7

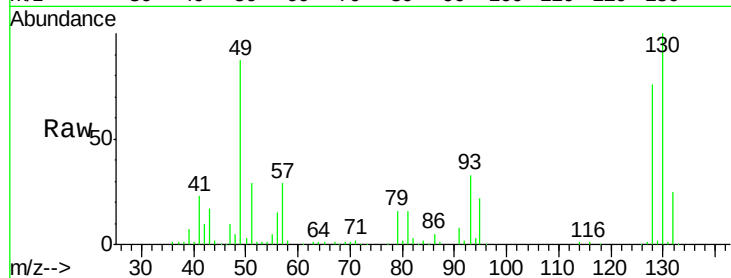




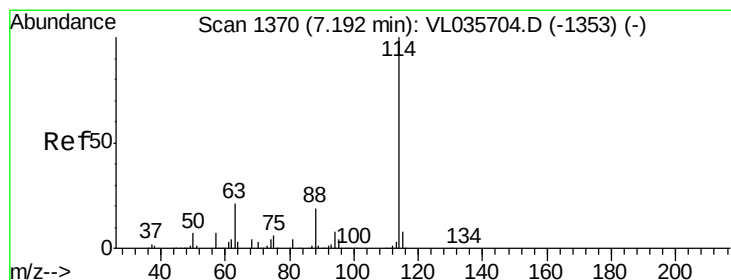
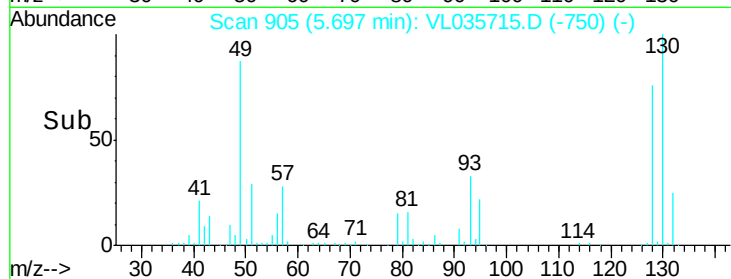
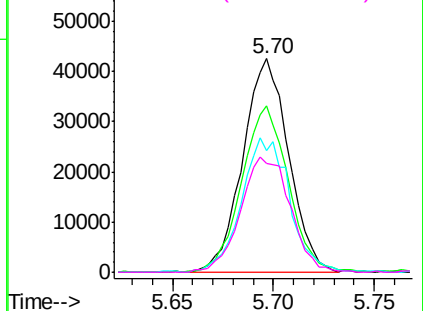
#26
Hexane
Concen: 0.502 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035715.D
Acq: 23 Sep 2020 12:23

Instrument :
MSVOA_L
ClientSampleId :
B-1DL

Tot Ion: 57 Resp: 67668
Ion Ratio Lower Upper
57 100
41 80.1 57.9 86.9
43 66.4 143.8 215.6#
56 58.4 43.0 64.6

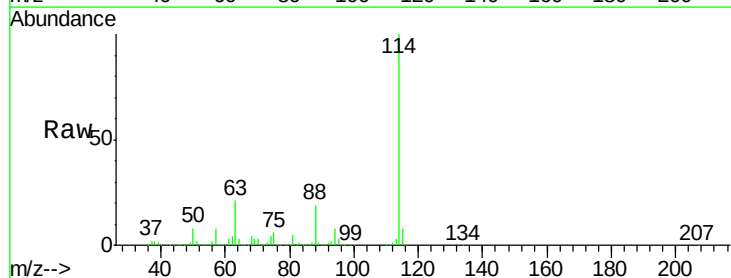


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

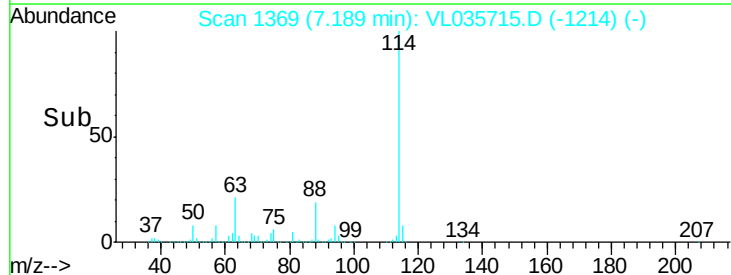
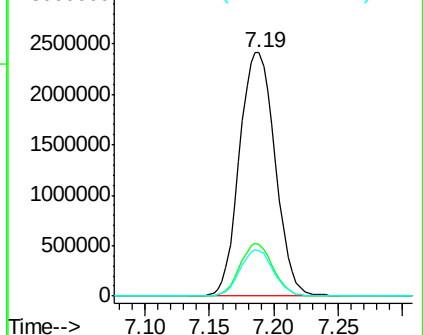


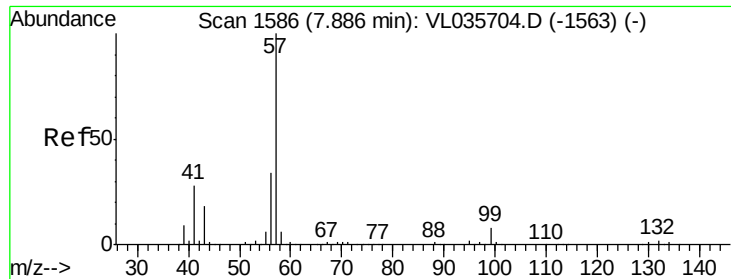
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035715.D
Acq: 23 Sep 2020 12:23

Tgt Ion: 114 Resp: 4657227
Ion Ratio Lower Upper
114 100
63 20.2 16.1 24.1
88 17.8 14.1 21.1



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

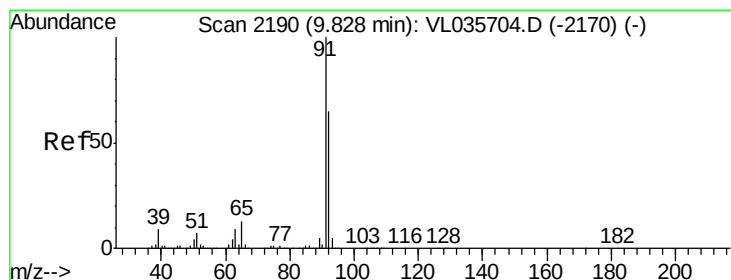
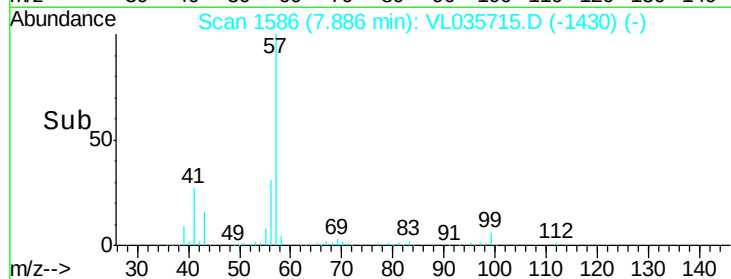
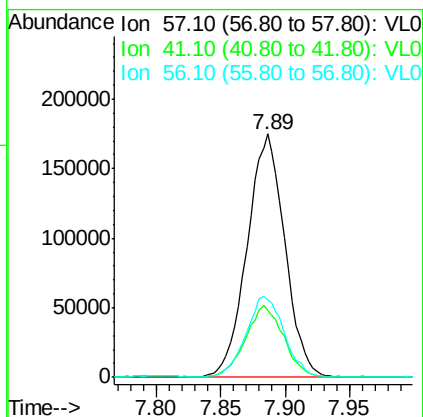
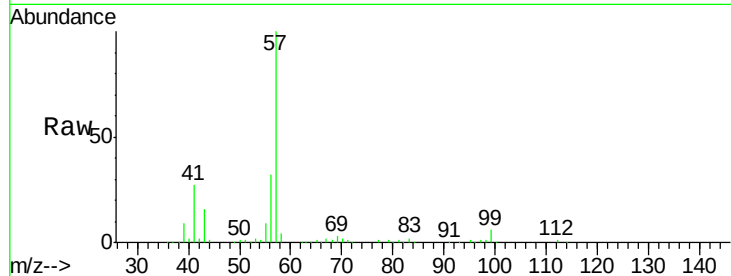




#44
 2,2,4-Trimethylpentane
 Concen: 0.817 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VL035715.D
 Acq: 23 Sep 2020 12:23

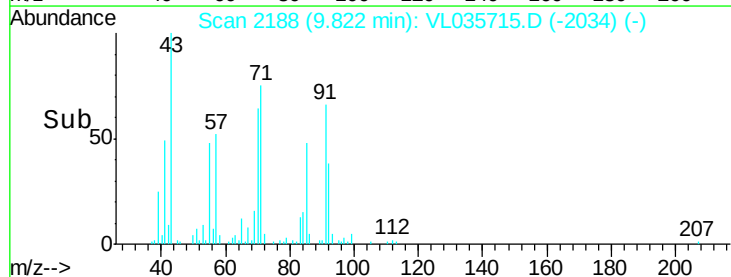
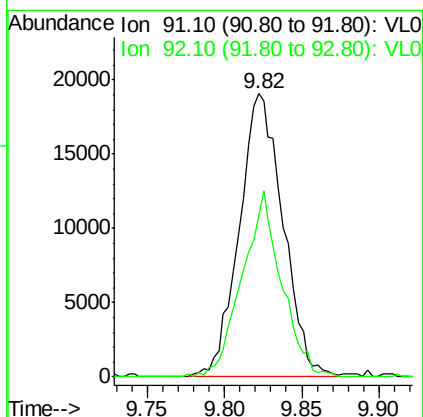
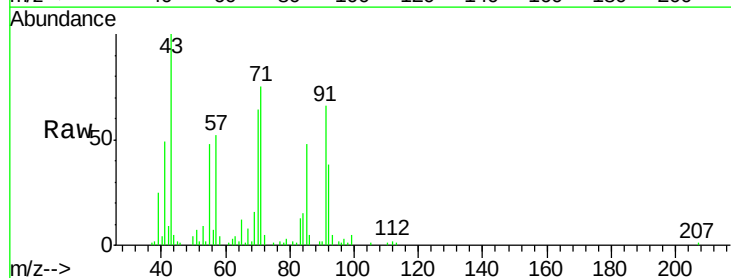
Instrument :
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 ClientSampleId :
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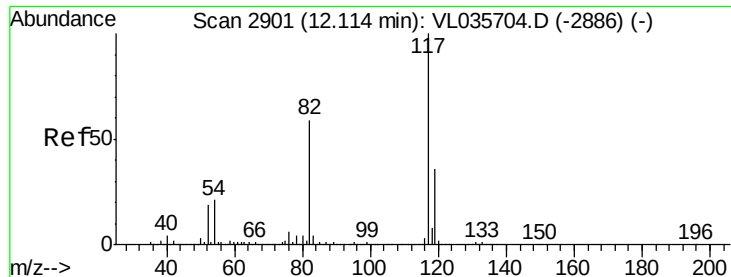
Tot Ion	57	Resp	355689
Ion	Ratio	Lower	Upper
57	100		
41	29.8	21.2	31.8
56	34.1	25.8	38.8



#53
 Toluene
 Concen: 0.105 ppbv
 RT: 9.82 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: VL035715.D
 Acq: 23 Sep 2020 12:23

Tgt Ion	91	Resp	37443
Ion	Ratio	Lower	Upper
91	100		
92	59.4	50.0	75.0

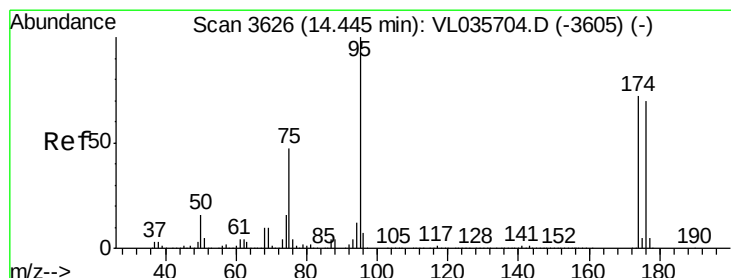
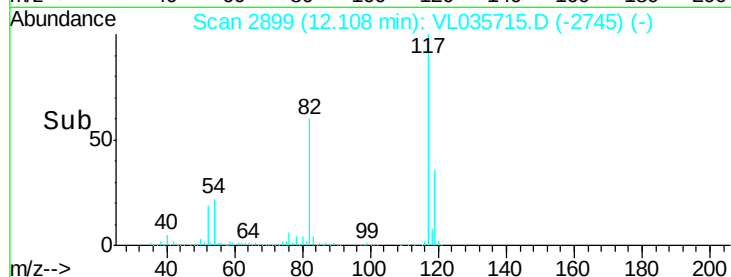
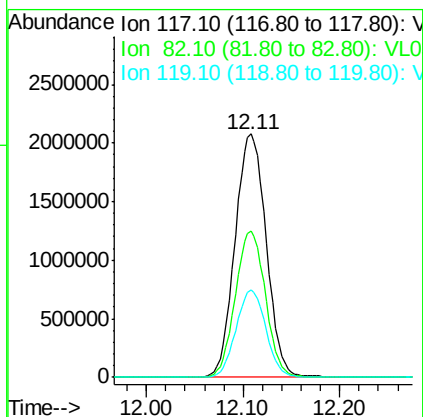
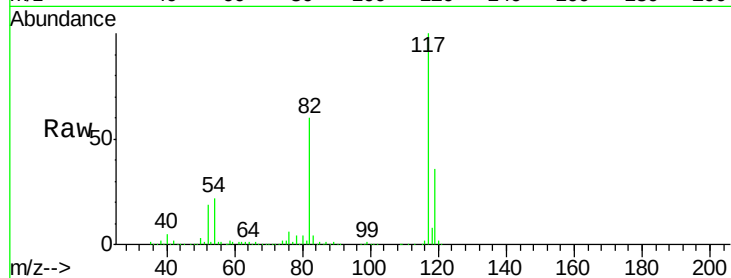




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035715.D
Acq: 23 Sep 2020 12:23

Instrument :
MSVOA_L
ClientSampleId :
B-1DL

Tot Ion:117 Resp: 4650627
Ion Ratio Lower Upper
117 100
82 58.5 46.1 69.1
119 34.6 28.0 42.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.074 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL035715.D
Acq: 23 Sep 2020 12:23

Tgt Ion: 95 Resp: 3510774
Ion Ratio Lower Upper
95 100
174 75.5 59.6 89.4
175 5.5 4.2 6.4

