

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035787.D
 Acq On : 16 Oct 2020 15:53
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 03:23:33 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	5.66	49	1128116	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4083582	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4019834	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3018131	10.02	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

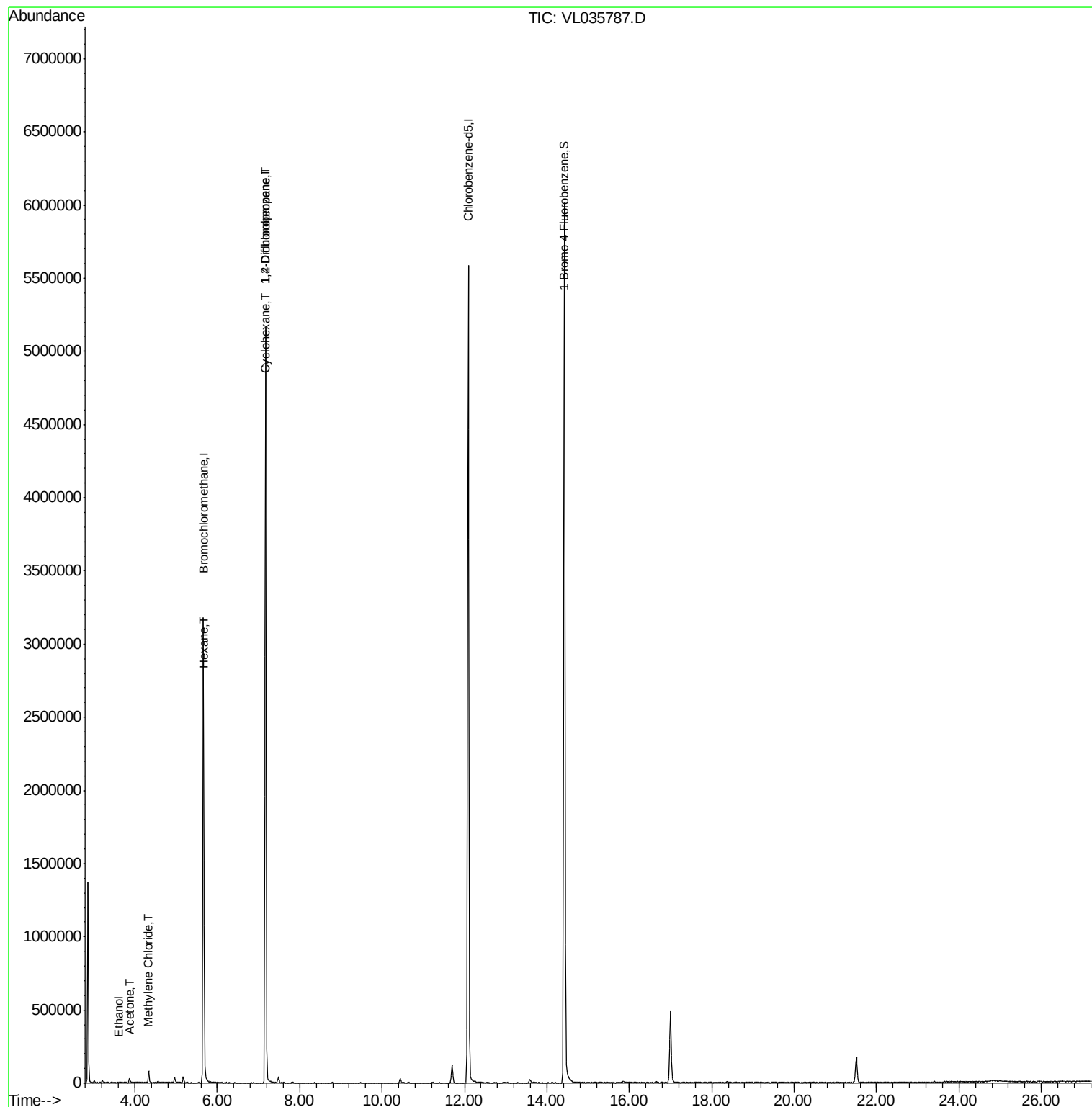
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	895	0.082	ppbv #	38
15) Acetone	3.86	43	22486	0.185	ppbv #	41
20) Methylene Chloride	4.33	84	34117	0.383	ppbv	94
26) Hexane	5.68	57	3857	0.032	ppbv #	47
30) Cyclohexane	7.15	84	7893	0.067	ppbv #	7
39) 1,2-Dichloropropane	7.17	63	814794	8.448	ppbv #	30

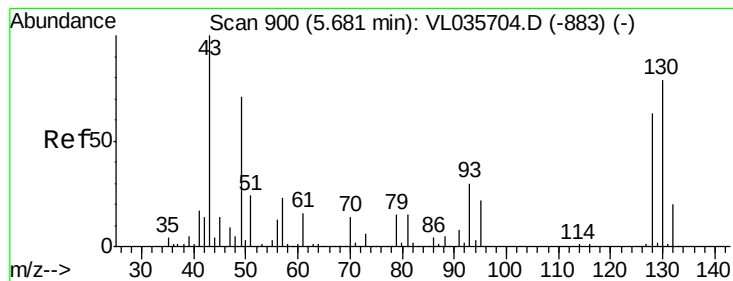
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035787.D

Acq: 16 Oct 2020 15:53

Instrument :

MSVOA_L

ClientSampleId :

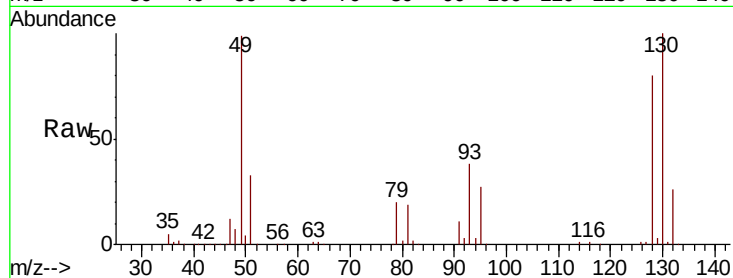
Tot Ion: 49 Resp: 1128116

Ion Ratio Lower Upper

49 100

128 81.4 43.1 129.4

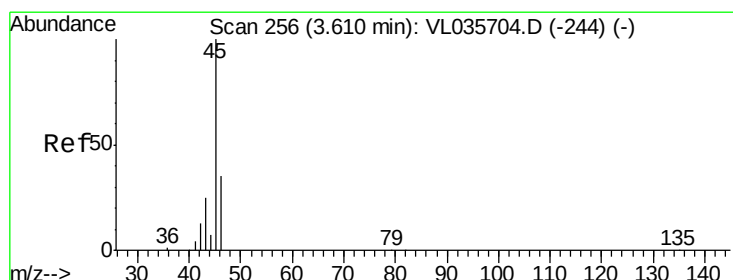
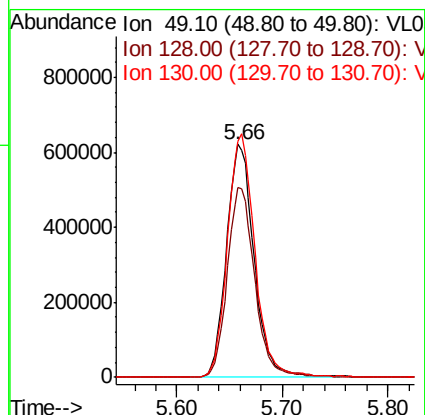
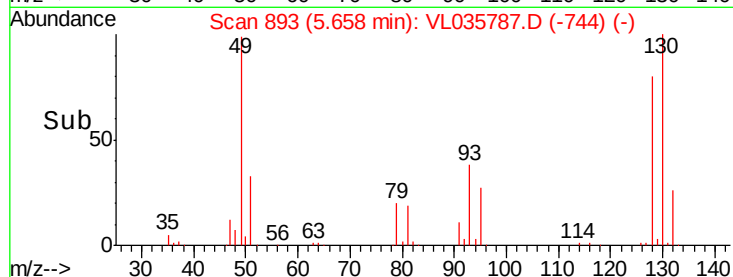
130 104.0 54.9 164.7



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



#13

Ethanol

Concen: 0.082 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035787.D

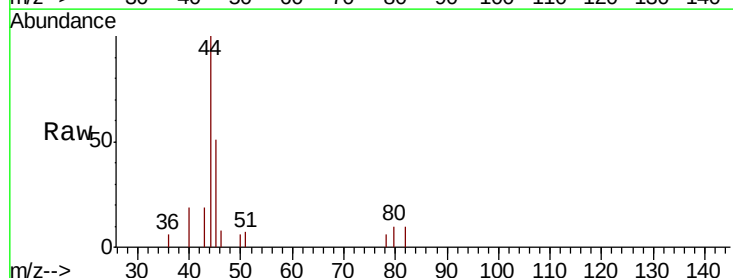
Acq: 16 Oct 2020 15:53

Tgt Ion: 45 Resp: 895

Ion Ratio Lower Upper

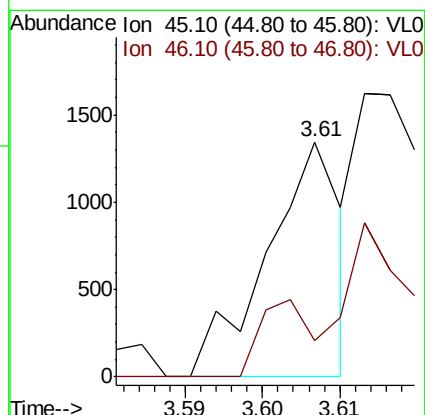
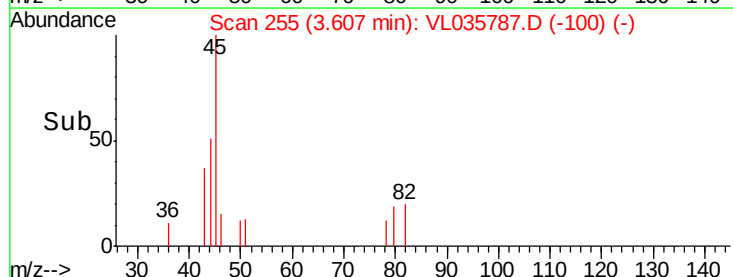
45 100

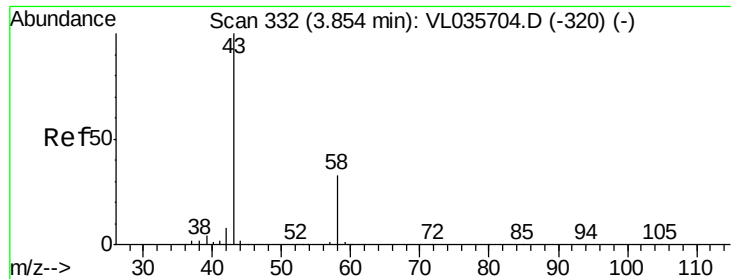
46 0.0 14.7 58.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.185 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035787.D

Acq: 16 Oct 2020 15:53

Instrument :

MSVOA_L

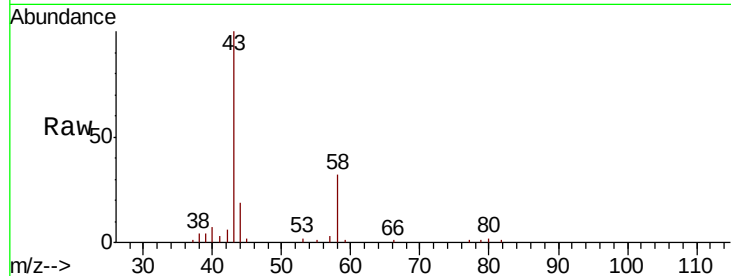
ClientSampleId :

Tot Ion: 43 Resp: 22486

Ion Ratio Lower Upper

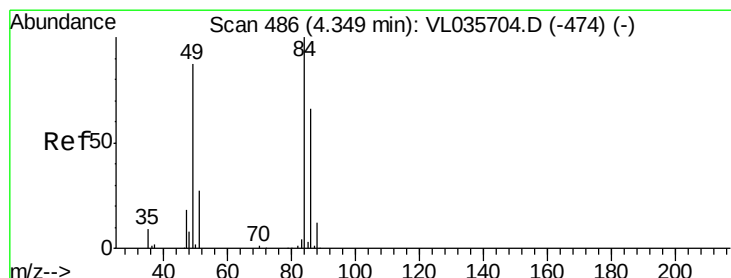
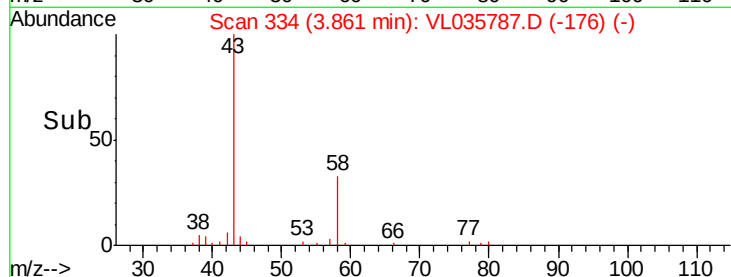
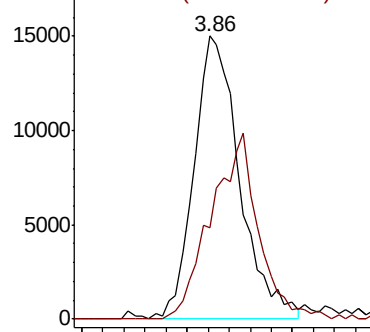
43 100

58 67.9 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.383 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035787.D

Acq: 16 Oct 2020 15:53

Tgt Ion: 84 Resp: 34117

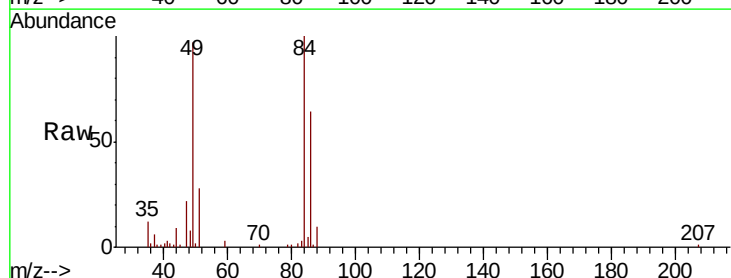
Ion Ratio Lower Upper

84 100

49 96.1 69.8 104.6

51 28.3 21.8 32.8

86 64.0 52.6 78.8

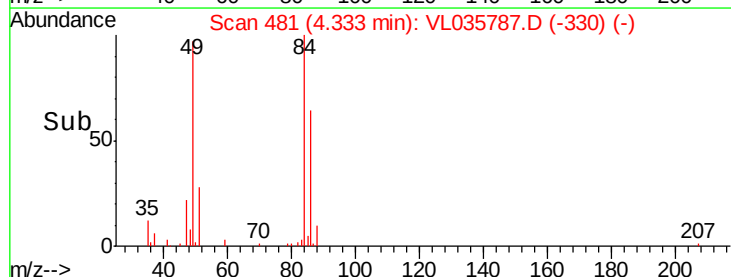
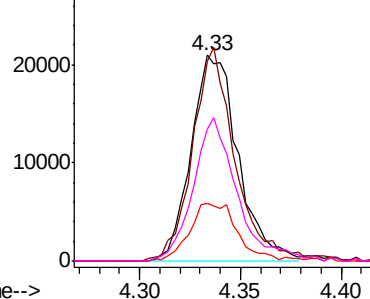


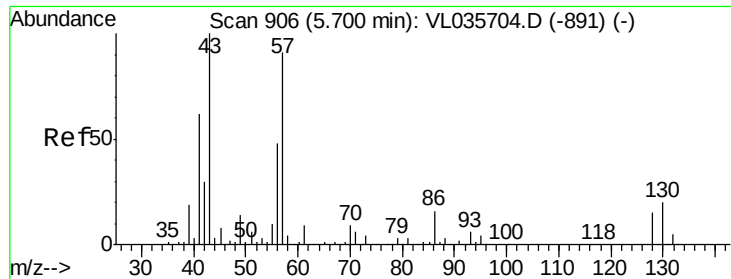
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#26

Hexane

Concen: 0.032 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL035787.D

Acq: 16 Oct 2020 15:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 3857

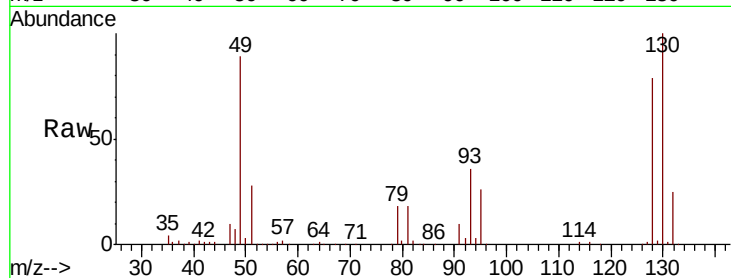
Ion Ratio Lower Upper

57 100

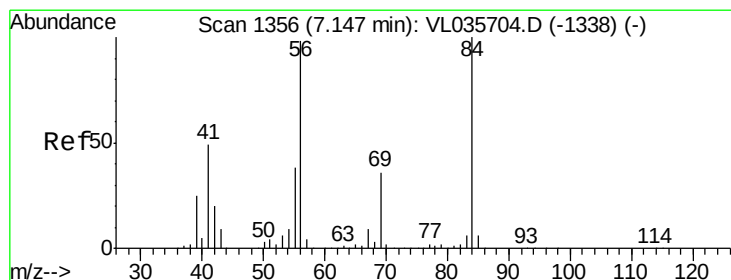
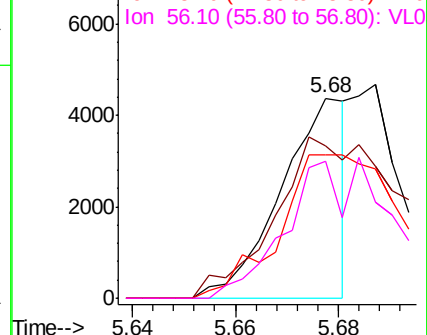
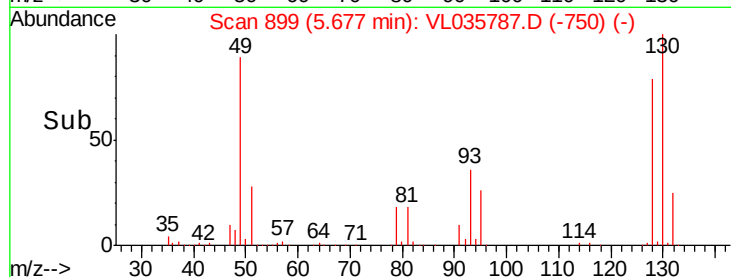
41 156.4 57.9 86.9#

43 140.0 143.8 215.6#

56 0.0 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



#30

Cyclohexane

Concen: 0.067 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VL035787.D

Acq: 16 Oct 2020 15:53

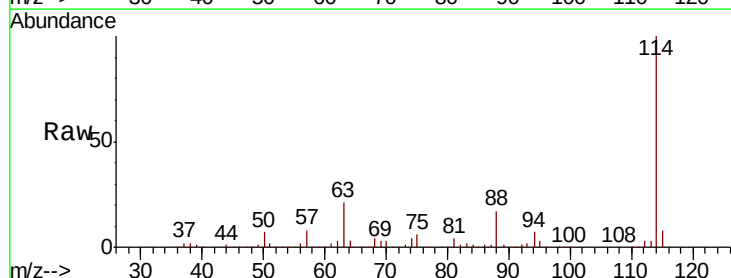
Tgt Ion: 84 Resp: 7893

Ion Ratio Lower Upper

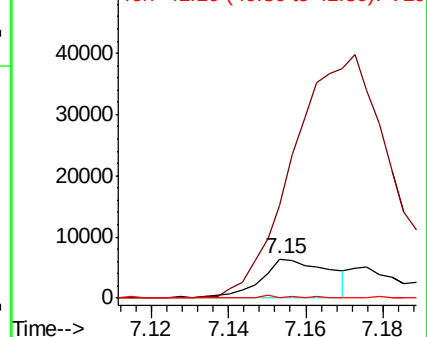
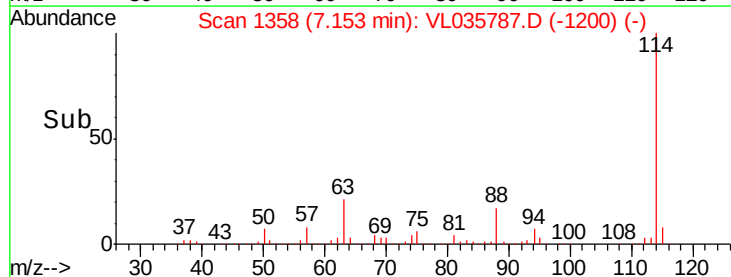
84 100

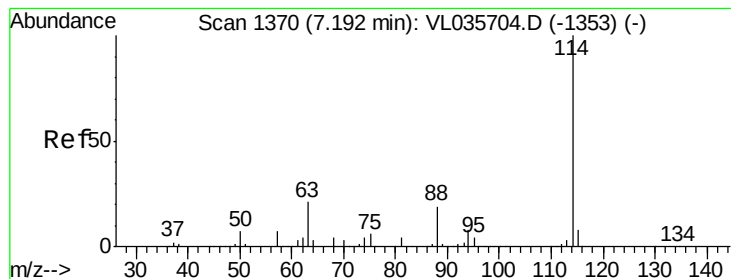
56 0.0 84.6 127.0#

41 0.0 41.1 61.7#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VL035787.D

Acq: 16 Oct 2020 15:53

Instrument :

MSVOA_L

ClientSampleId :

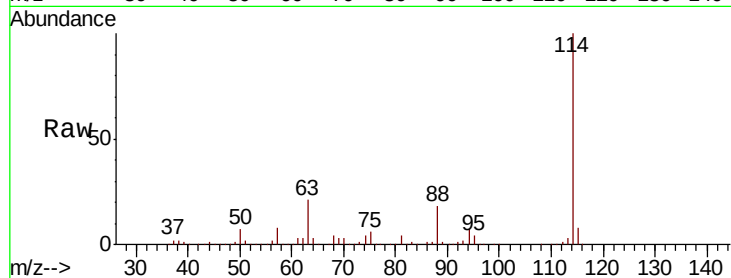
Tot Ion:114 Resp: 4083582

Ion Ratio Lower Upper

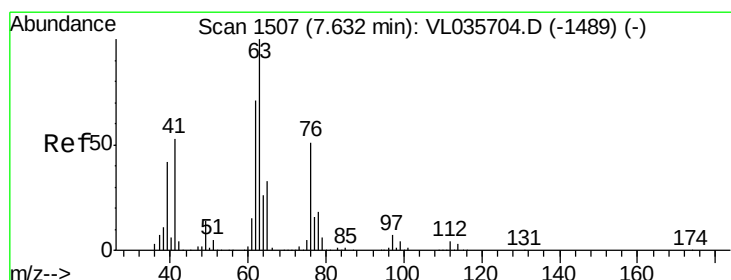
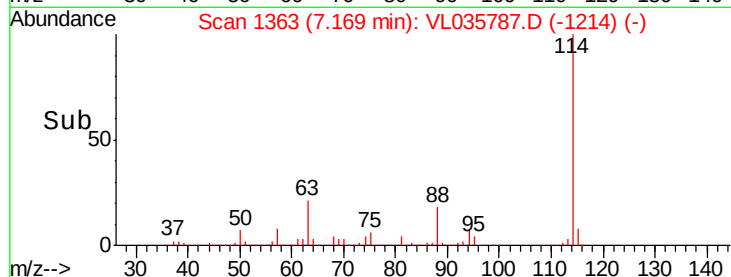
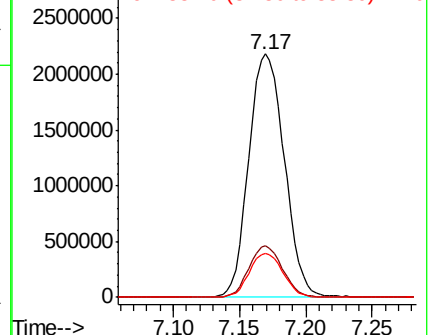
114 100

63 20.1 16.1 24.1

88 17.4 14.1 21.1



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



#39

1,2-Dichloropropane

Concen: 8.448 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.46 min

Lab File: VL035787.D

Acq: 16 Oct 2020 15:53

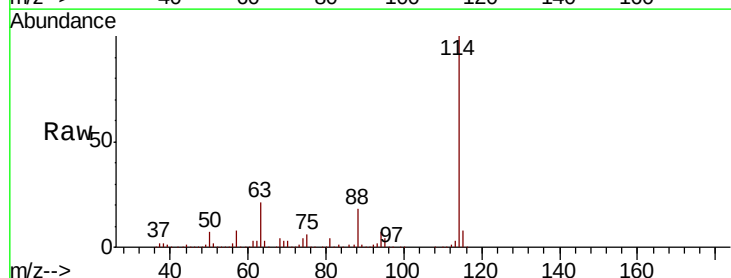
Tgt Ion: 63 Resp: 814794

Ion Ratio Lower Upper

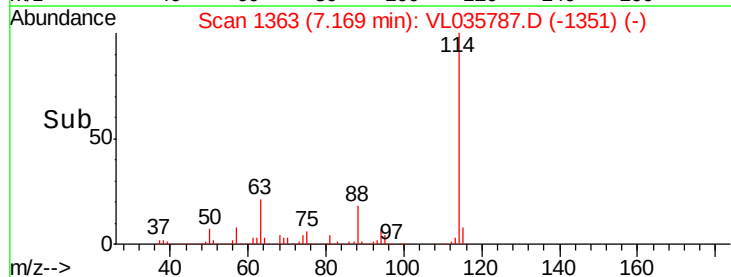
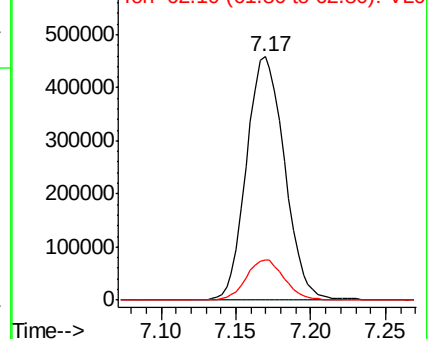
63 100

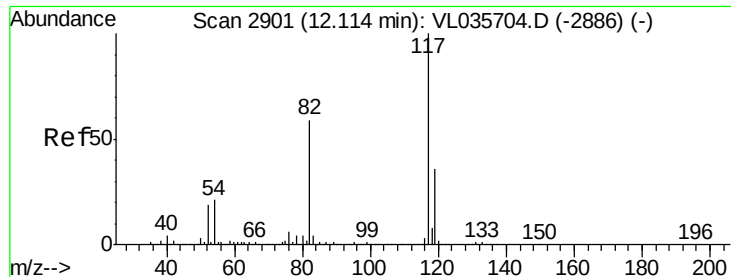
41 0.0 42.6 63.8#

62 16.5 56.5 84.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0

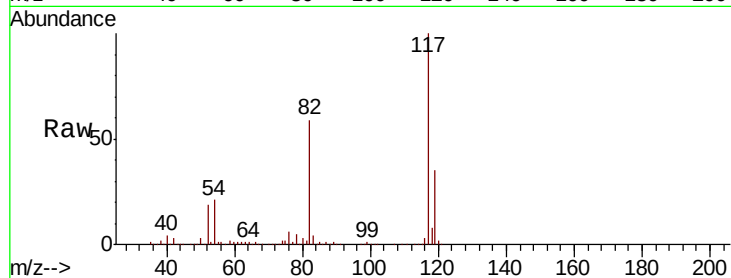




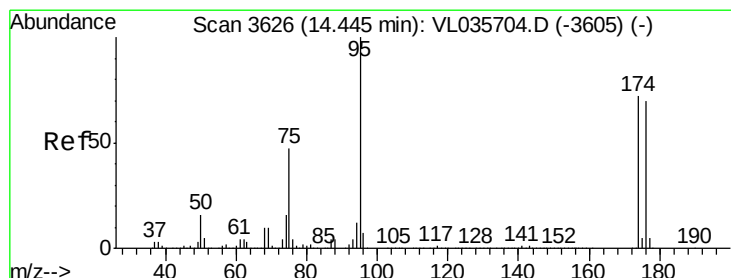
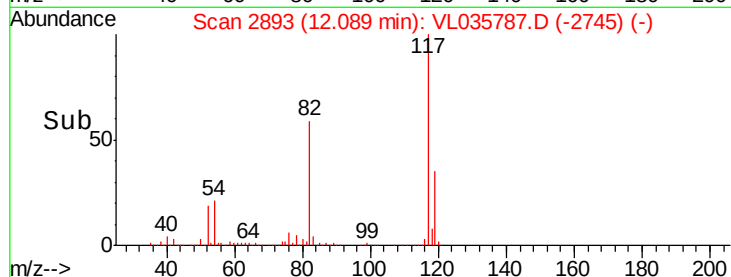
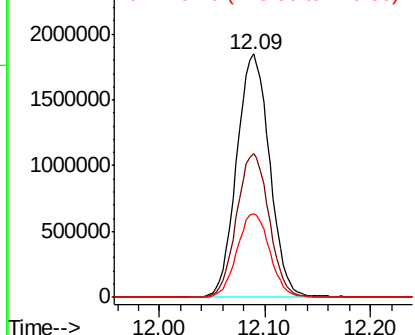
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035787.D
Acq: 16 Oct 2020 15:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4019834
Ion Ratio Lower Upper
117 100
82 58.7 46.1 69.1
119 34.2 28.0 42.0

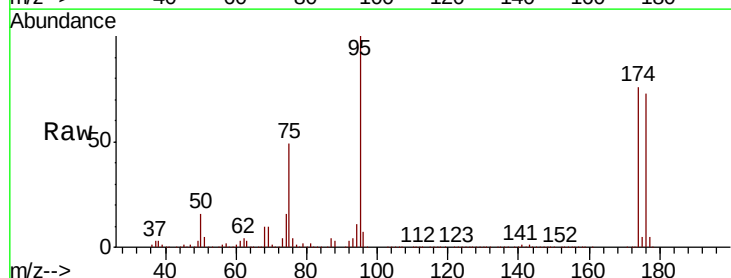


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.020 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.02 min
Lab File: VL035787.D
Acq: 16 Oct 2020 15:53

Tgt Ion: 95 Resp: 3018131
Ion Ratio Lower Upper
95 100
174 76.7 59.6 89.4
175 5.5 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

