

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035783.D
 Acq On : 16 Oct 2020 12:39
 Operator : SY/AP
 Sample : VL1016ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 03:21:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1226242	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4480651	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4508016	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3372714	9.98	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

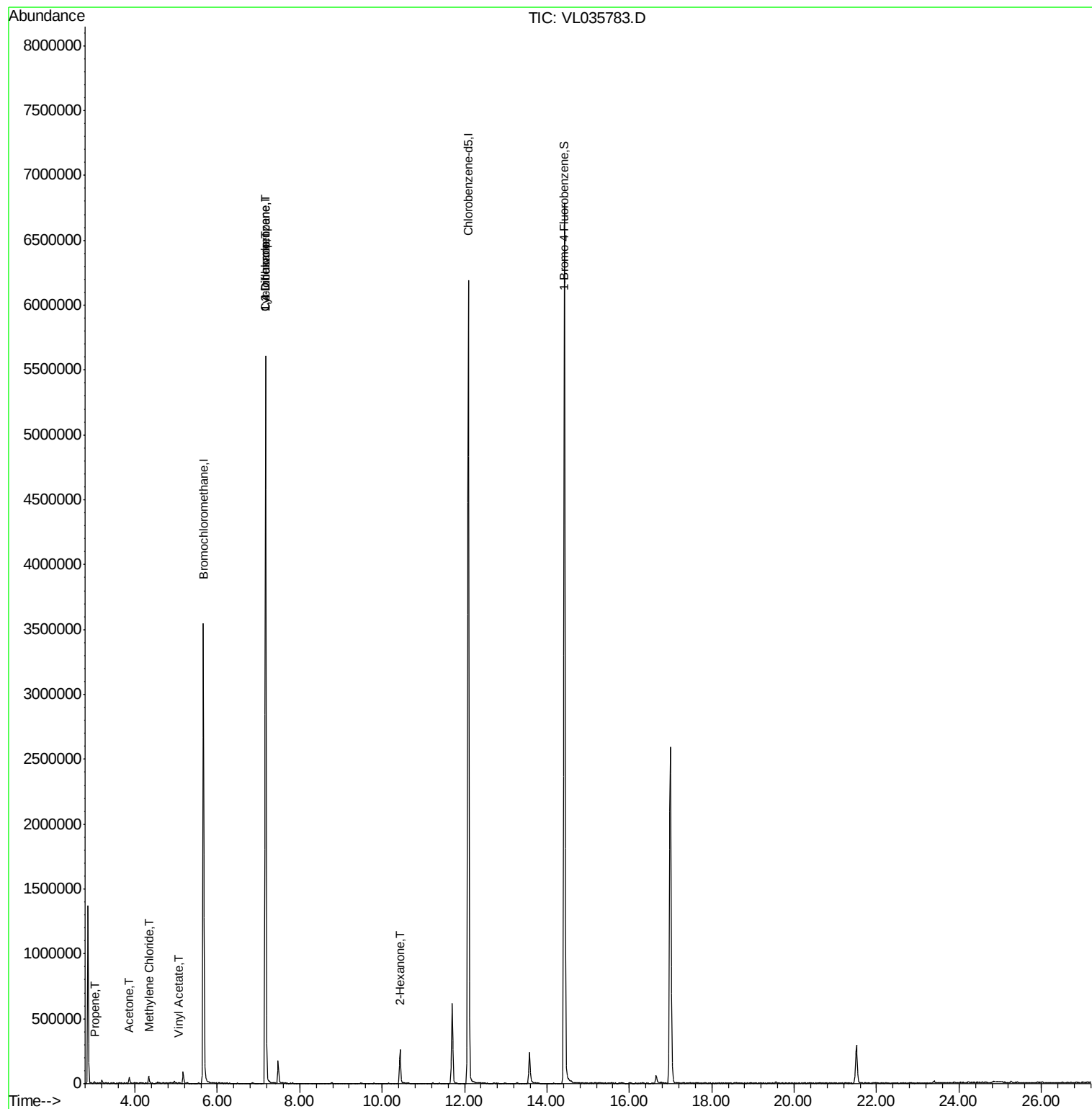
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2692	0.056	ppbv #	15
15) Acetone	3.86	43	34391	0.261	ppbv #	24
20) Methylene Chloride	4.34	84	22035	0.227	ppbv	98
23) Vinyl Acetate	5.06	43	5610	0.035	ppbv #	88
30) Cyclohexane	7.16	84	6671	0.052	ppbv #	7
39) 1,2-Dichloropropane	7.17	63	895838	8.465	ppbv #	31
51) 2-Hexanone	10.43	43	42406	0.243	ppbv #	44

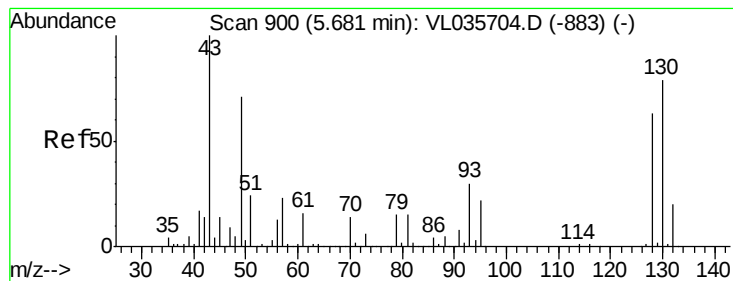
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Instrument :

MSVOA_L

ClientSampleId :

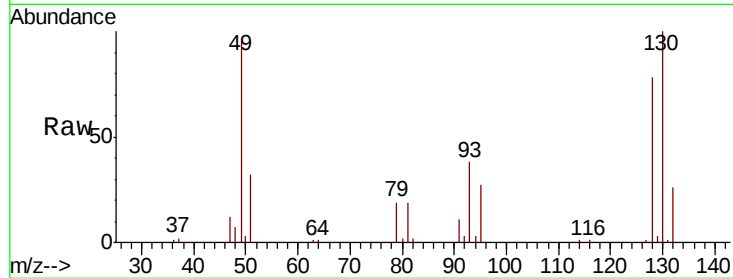
Tot Ion: 49 Resp: 1226242

Ion Ratio Lower Upper

49 100

128 83.0 43.1 129.4

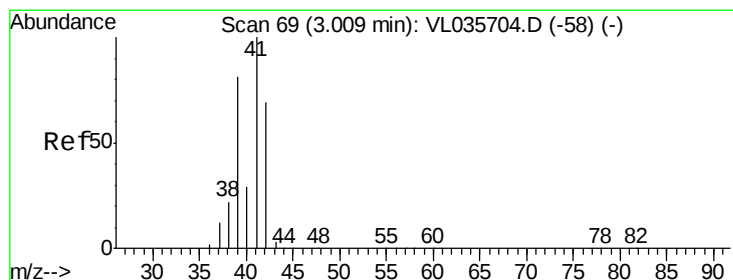
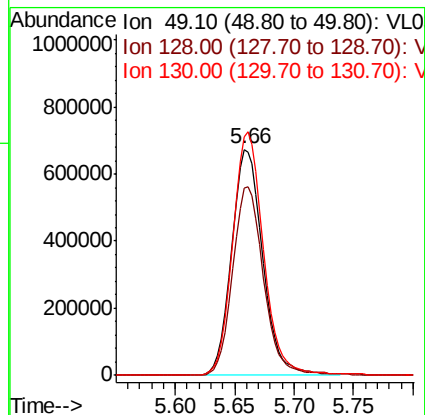
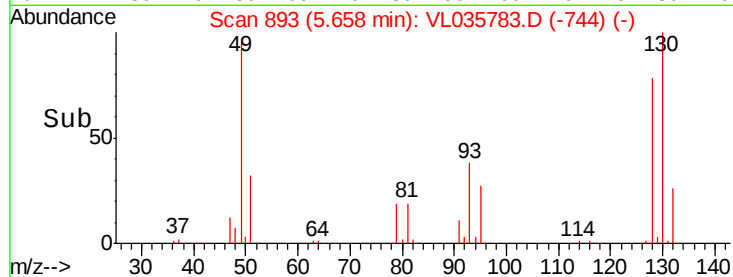
130 107.0 54.9 164.7



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



#9

Propene

Concen: 0.056 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035783.D

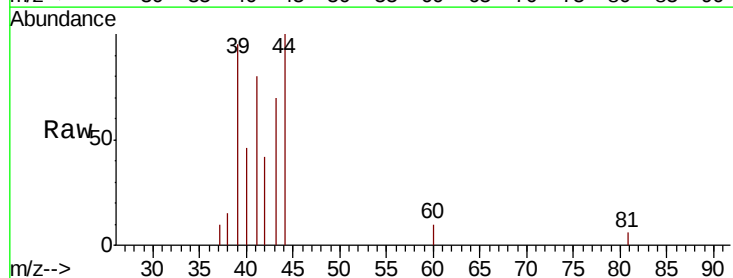
Acq: 16 Oct 2020 12:39

Tgt Ion: 41 Resp: 2692

Ion Ratio Lower Upper

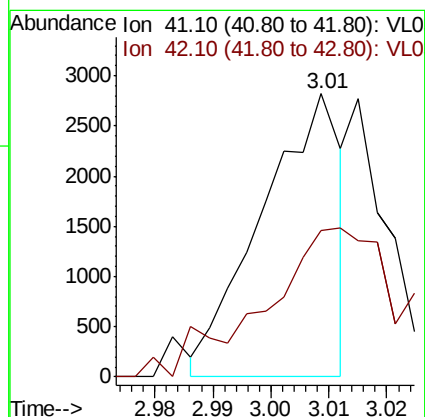
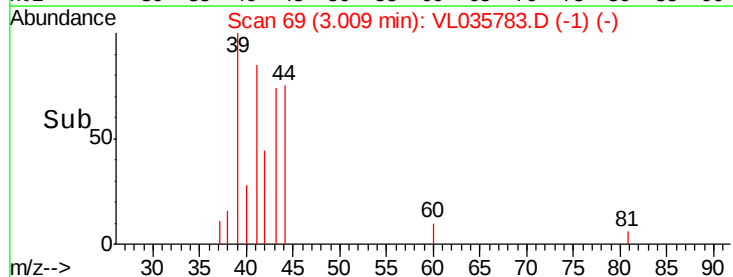
41 100

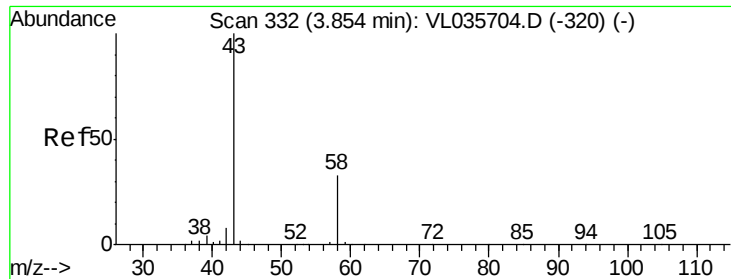
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.261 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Instrument :

MSVOA_L

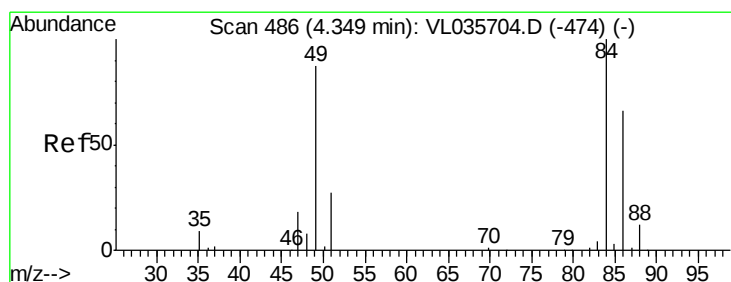
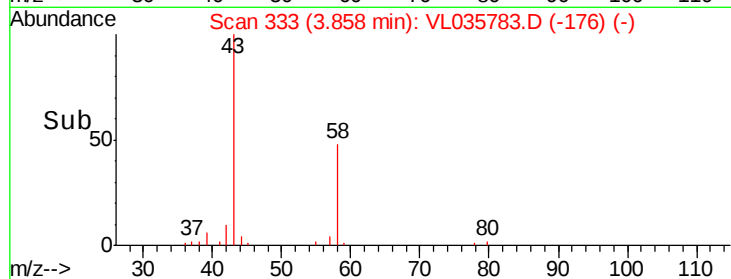
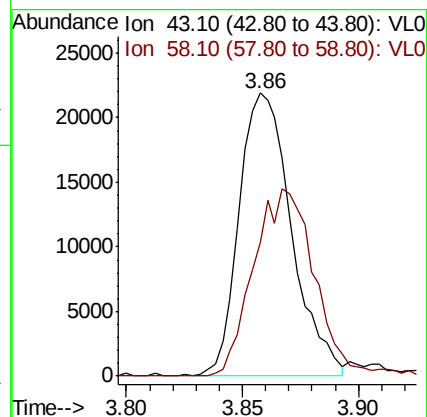
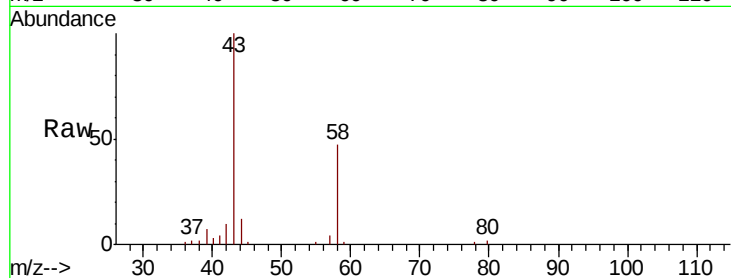
ClientSampled :

Tot Ion: 43 Resp: 34391

Ion Ratio Lower Upper

43 100

58 77.5 27.3 40.9#



#20

Methylene Chloride

Concen: 0.227 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Tgt Ion: 84 Resp: 22035

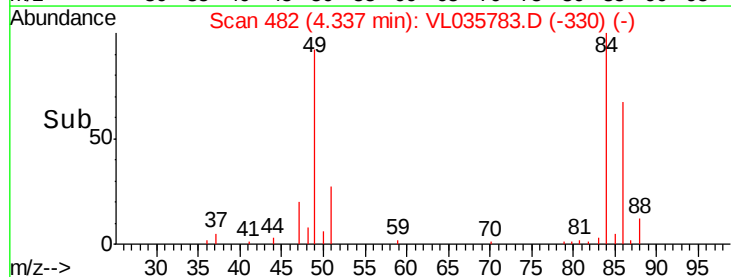
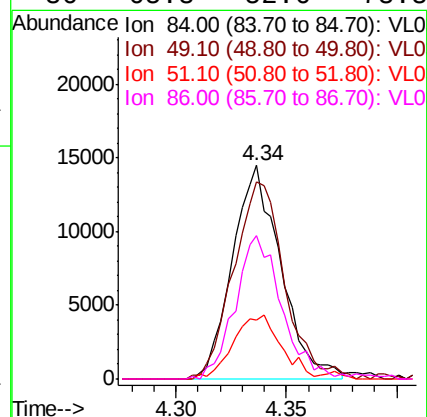
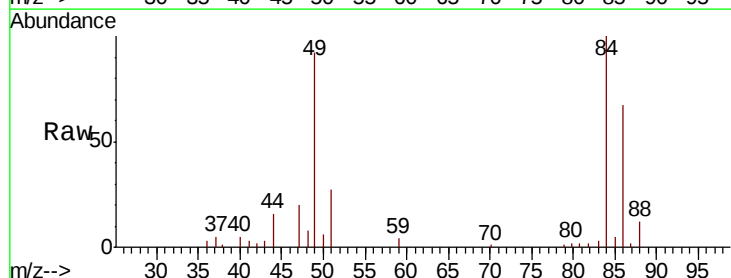
Ion Ratio Lower Upper

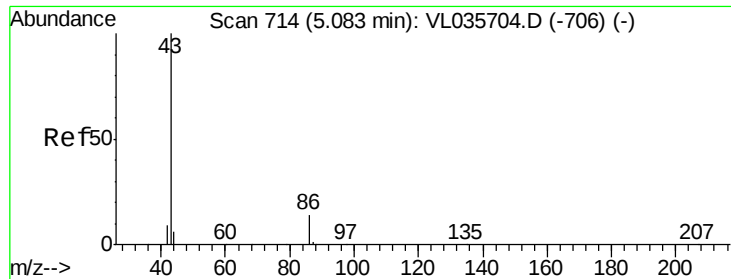
84 100

49 90.5 69.8 104.6

51 27.5 21.8 32.8

86 65.8 52.6 78.8





#23

Vinyl Acetate

Concen: 0.035 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 5610

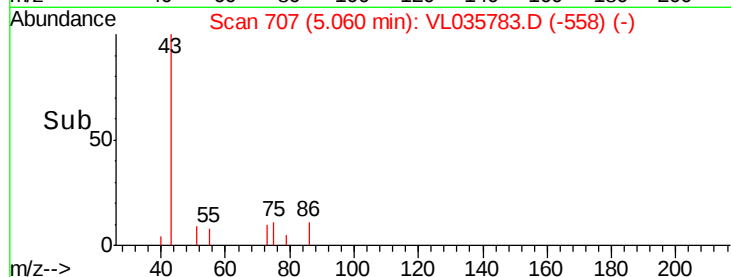
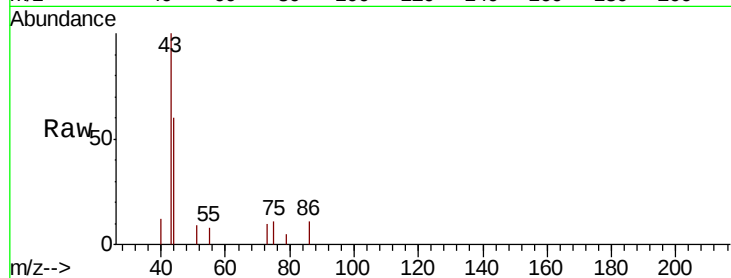
Ion Ratio Lower Upper

43 100

86 10.6 9.7 14.5

42 0.0 7.9 11.9#

44 4.2 4.8 7.2#

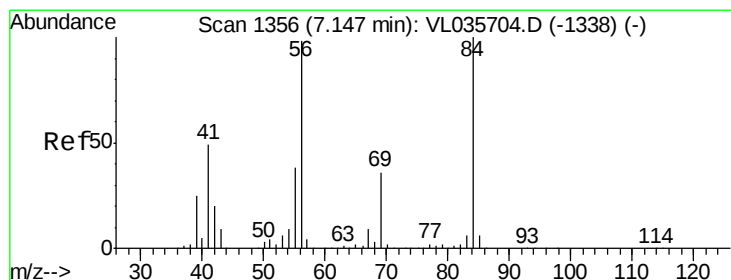
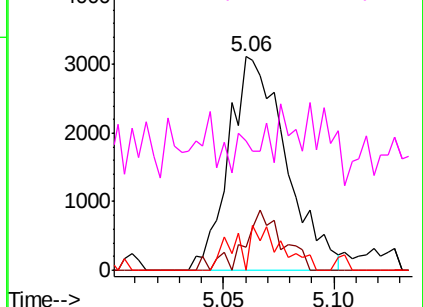


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#30

Cyclohexane

Concen: 0.052 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

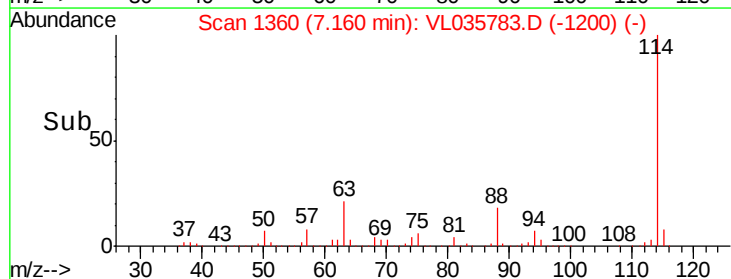
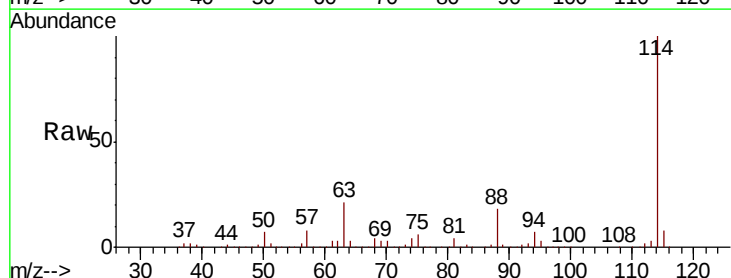
Tgt Ion: 84 Resp: 6671

Ion Ratio Lower Upper

84 100

56 0.0 84.6 127.0#

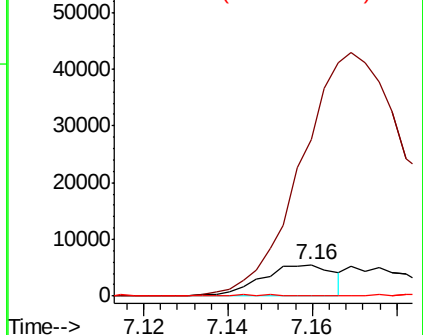
41 0.0 41.1 61.7#

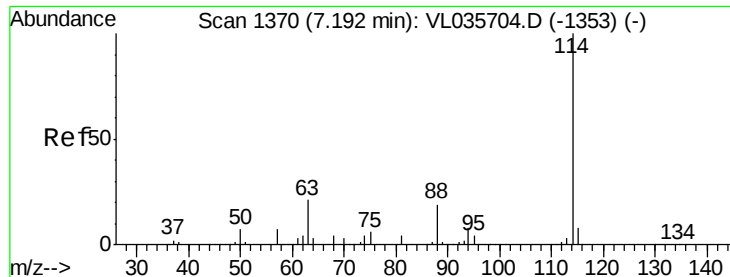


Abundance Ion 84.20 (83.90 to 84.90): VL0

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# 1364

Delta R.T. -0.02 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Instrument :

MSVOA_L

ClientSampleId :

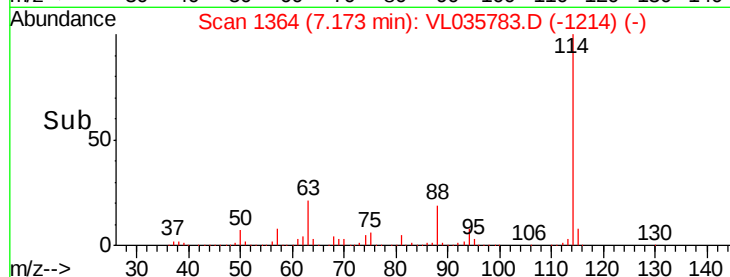
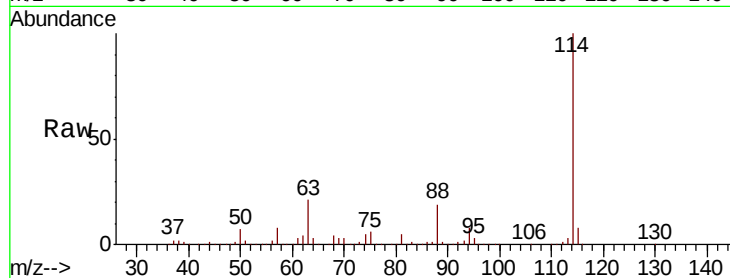
Tot Ion:114 Resp: 4480651

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

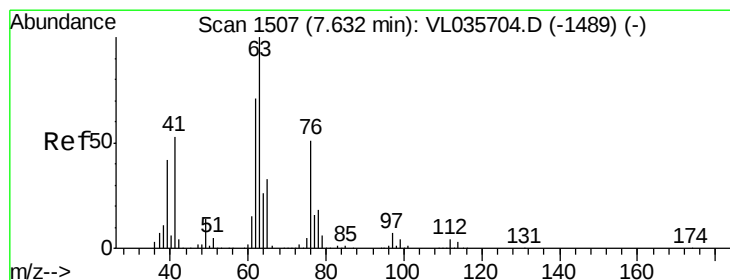
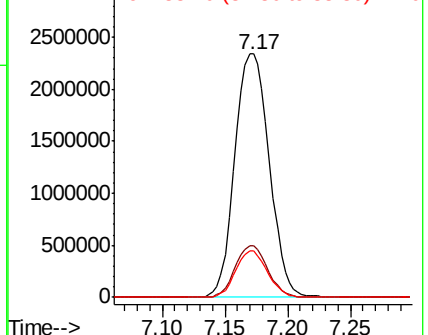
88 17.7 14.1 21.1



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: 8.465 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.46 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

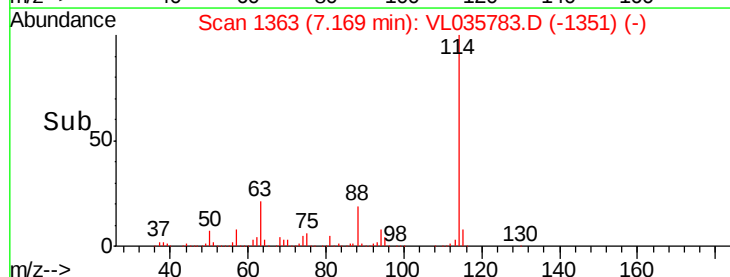
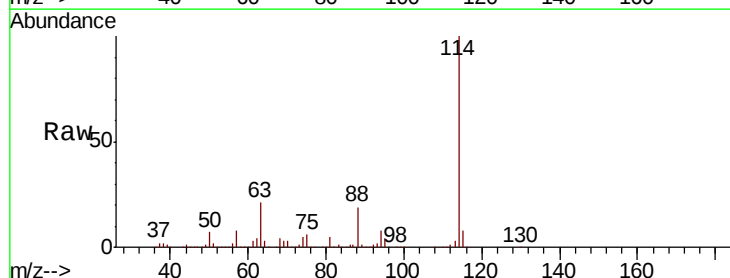
Tgt Ion: 63 Resp: 895838

Ion Ratio Lower Upper

63 100

41 0.0 42.6 63.8#

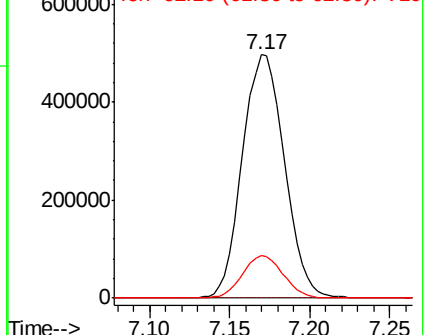
62 17.6 56.5 84.7#

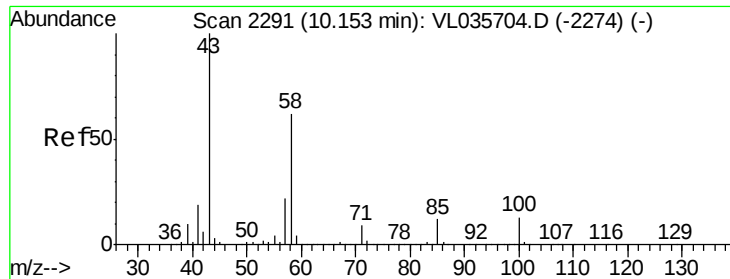


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

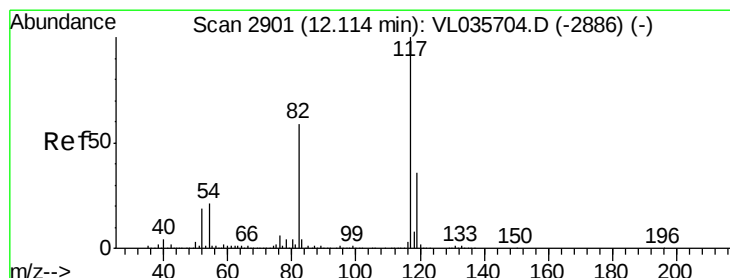
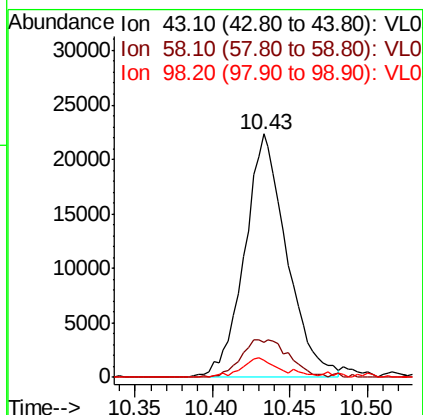
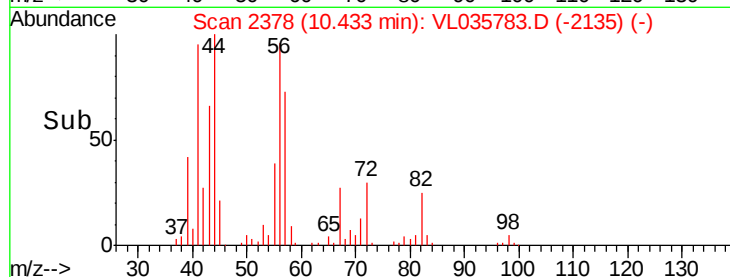
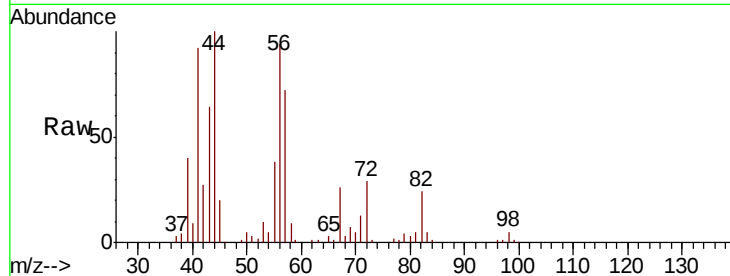




#51
2-Hexanone
Concen: 0.243 ppbv
RT: 10.43 min Scan# 2378
Delta R.T. 0.28 min
Lab File: VL035783.D
Acq: 16 Oct 2020 12:39

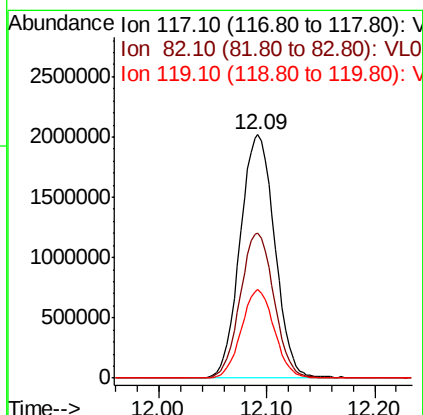
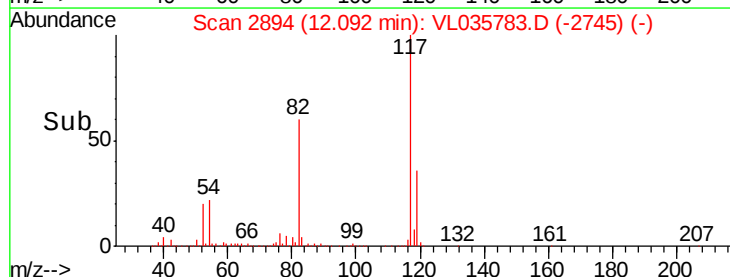
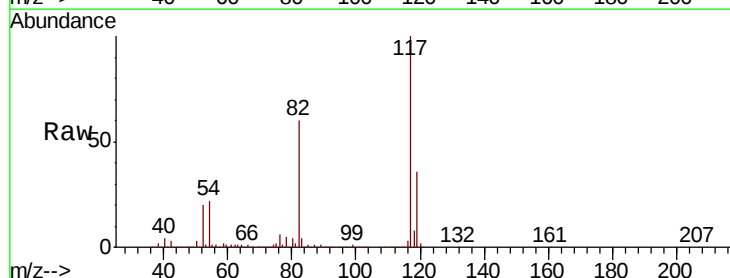
Instrument :
MSVOA_L
ClientSampleId :

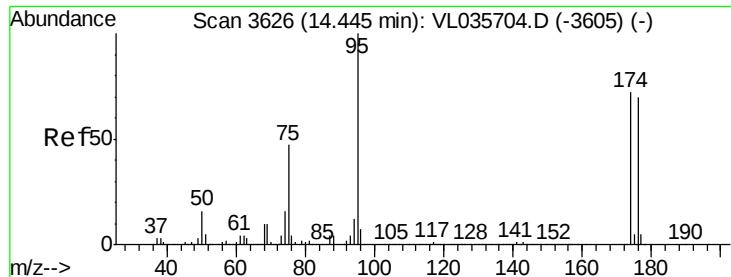
Tot Ion: 43 Resp: 42406
Ion Ratio Lower Upper
43 100
58 17.9 48.7 73.1#
98 8.7 0.7 1.1#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035783.D
Acq: 16 Oct 2020 12:39

Tgt Ion: 117 Resp: 4508016
Ion Ratio Lower Upper
117 100
82 58.5 46.1 69.1
119 34.7 28.0 42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.984 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.02 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 3372714

Ion Ratio Lower Upper

95 100

174 76.7 59.6 89.4

175 5.5 4.2 6.4

