

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035206.D
 Acq On : 16 Jul 2020 23:00
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 17 04:11:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1008691	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2423490	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	2265926	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1894291	10.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

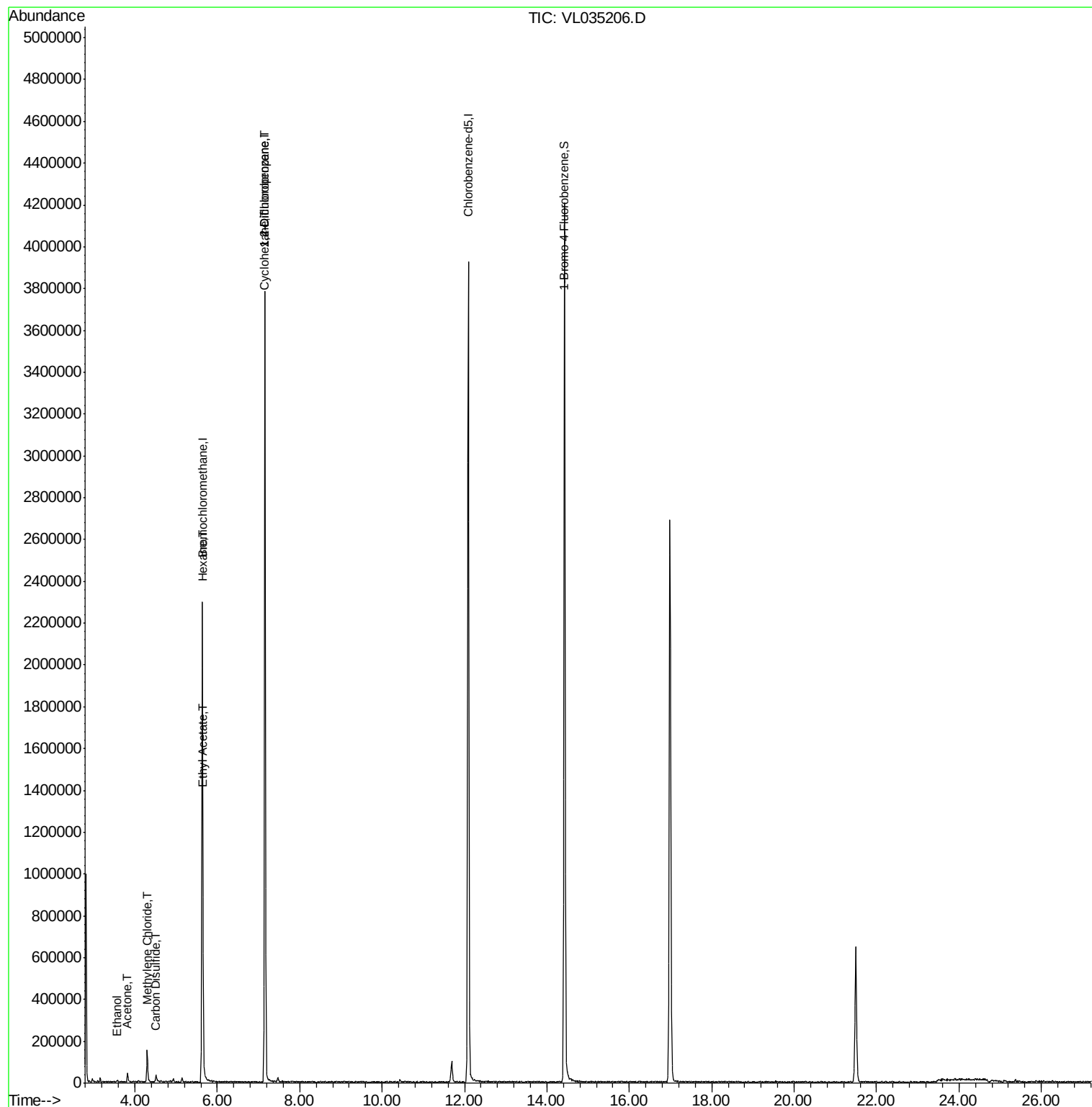
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.56	45	711	0.053	ppbv #	35
15) Acetone	3.82	43	34851	0.255	ppbv #	70
20) Methylene Chloride	4.30	84	47802	0.804	ppbv #	87
25) Ethyl Acetate	5.66	43	7931	0.037	ppbv #	82
26) Hexane	5.65	57	7339	0.079	ppbv #	1
27) Carbon Disulfide	4.51	76	27241	0.209	ppbv #	45
30) Cyclohexane	7.14	84	5168	0.075	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	663140	9.507	ppbv #	22

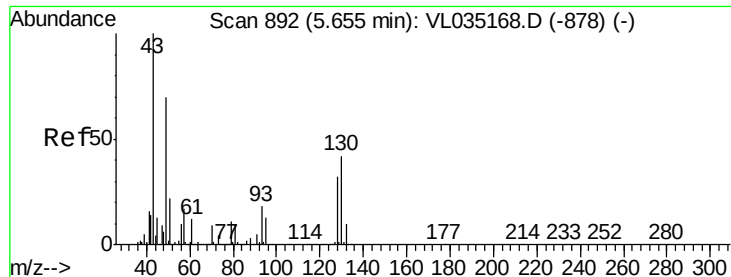
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL035206.D

Acq: 16 Jul 2020 23:00

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MSVOA_L

ClientSampleId :

VIBLK

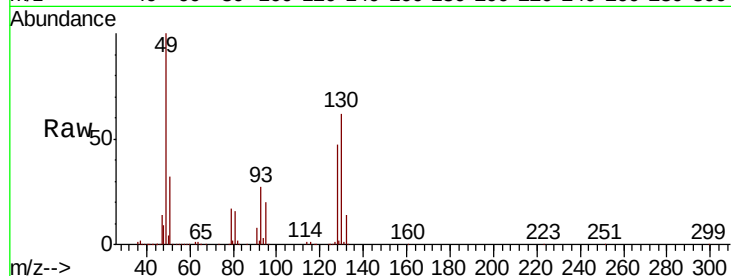
Tot Ion: 49 Resp: 1008691

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

130 62.7 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.64

600000

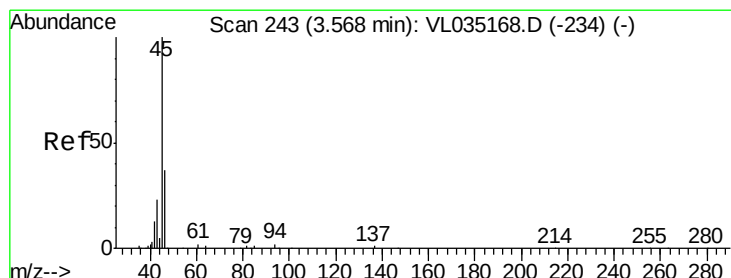
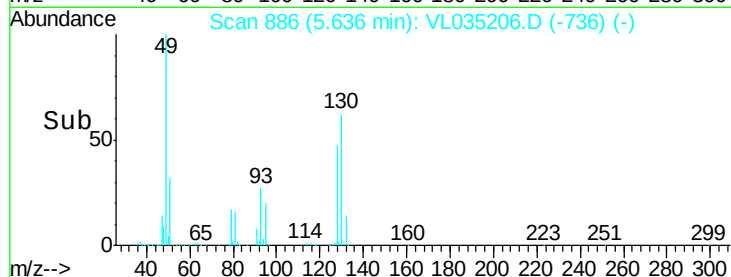
400000

200000

0

Time-->

5.55 5.60 5.65 5.70



#13

Ethanol

Concen: 0.053 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL035206.D

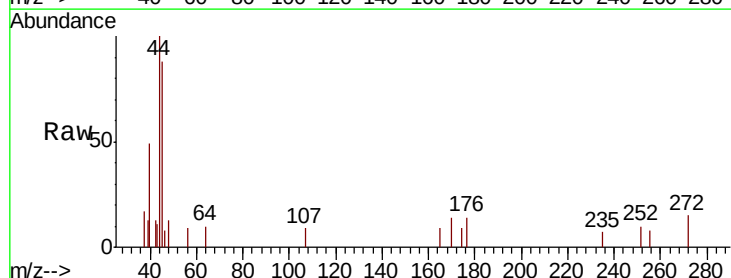
Acq: 16 Jul 2020 23:00

Tgt Ion: 45 Resp: 711

Ion Ratio Lower Upper

45 100

46 0.0 16.2 65.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

4000

3000

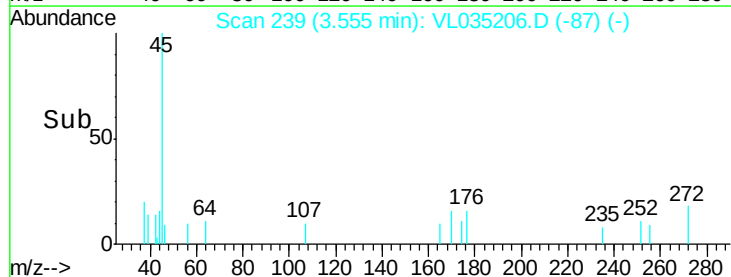
2000

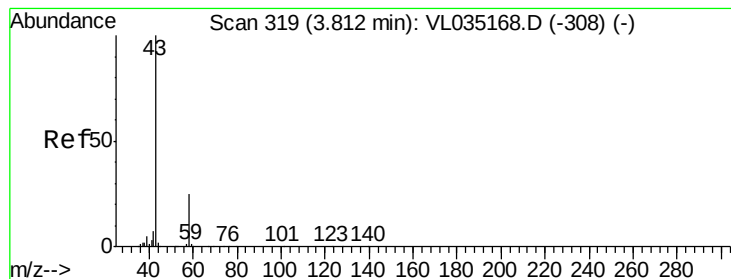
1000

0

Time-->

3.55 3.56 3.56 3.56





#15

Acetone

Concen: 0.255 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.01 min

Lab File: VL035206.D

Acq: 16 Jul 2020 23:00

Instrument :

MSVOA_L

ClientSampled :

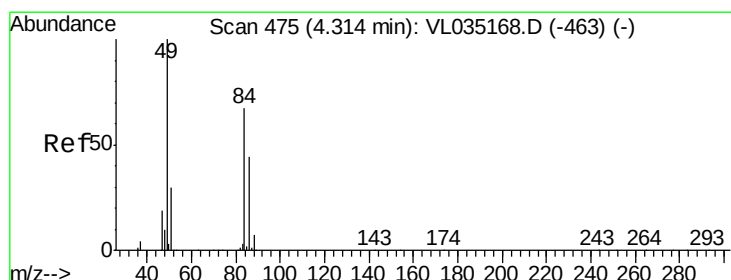
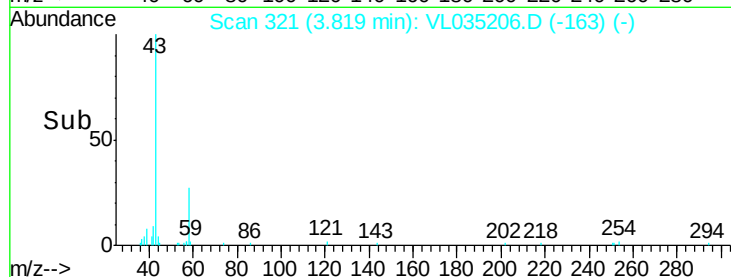
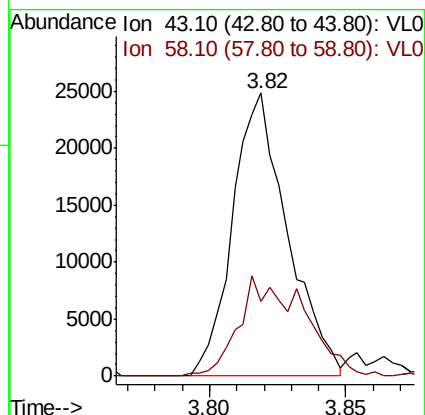
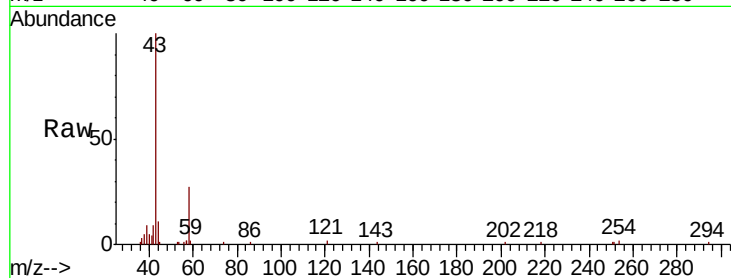
VIBLK

Tot Ion: 43 Resp: 34851

Ion Ratio Lower Upper

43 100

58 42.0 21.3 31.9#



#20

Methylene Chloride

Concen: 0.804 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.02 min

Lab File: VL035206.D

Acq: 16 Jul 2020 23:00

Tgt Ion: 84 Resp: 47802

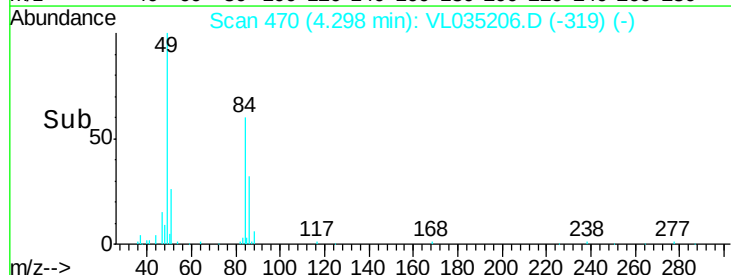
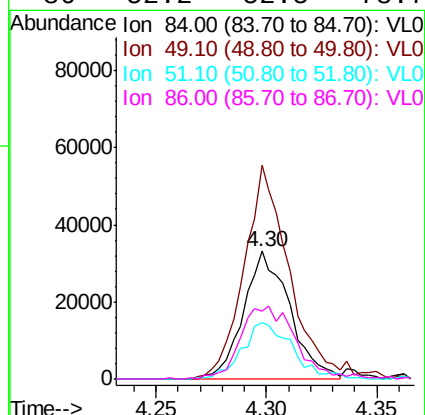
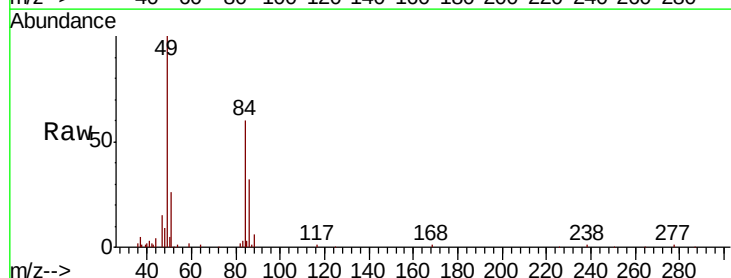
Ion Ratio Lower Upper

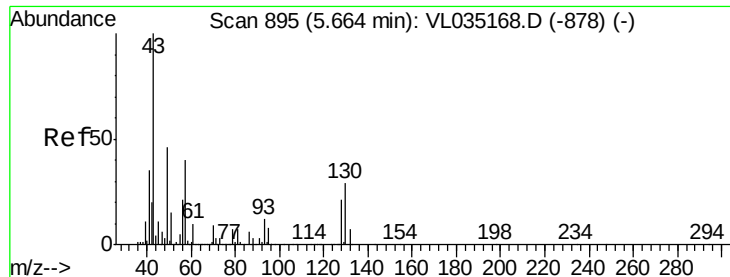
84 100

49 167.6 119.4 179.0

51 43.9 36.6 55.0

86 52.2 52.5 78.7#

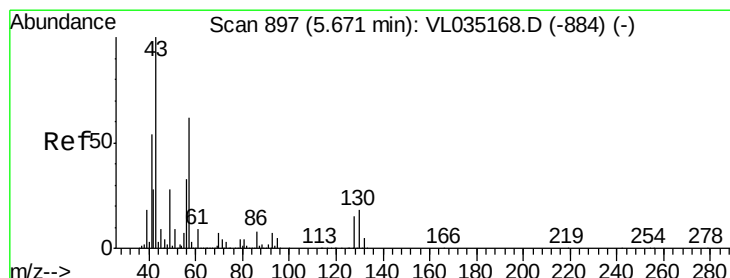
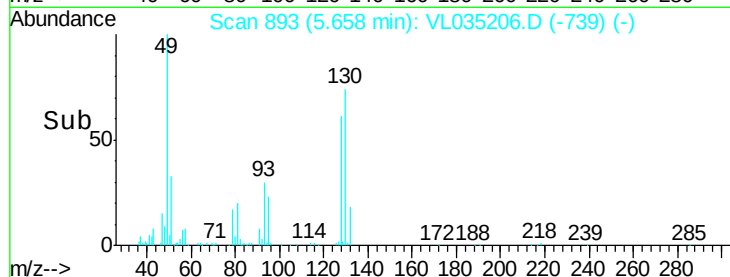
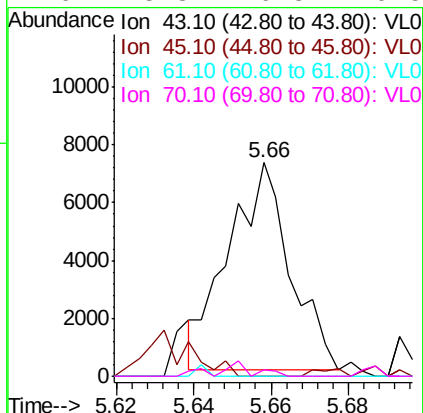
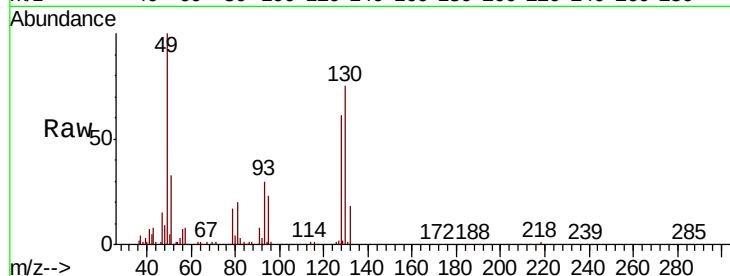




#25
Ethyl Acetate
Concen: 0.037 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035206.D
Acq: 16 Jul 2020 23:00

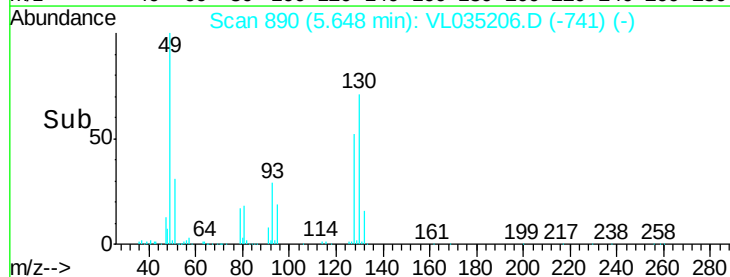
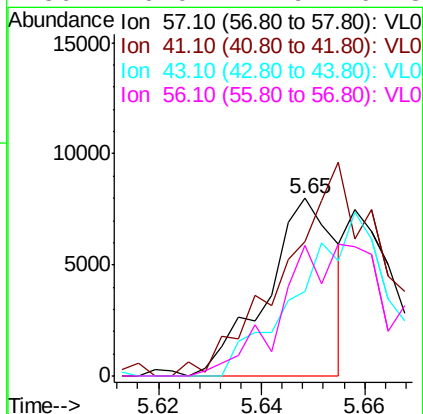
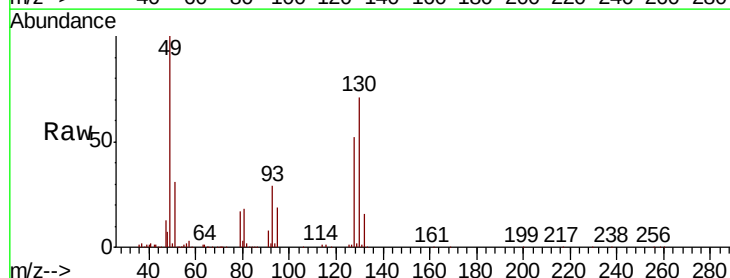
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

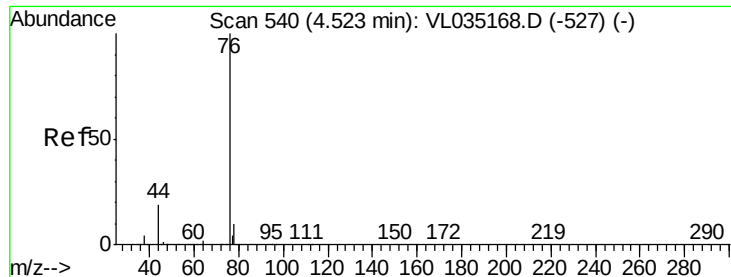
Tot Ion:	43	Resp:	7931
Ion	Ratio	Lower	Upper
43	100		
45	15.6	8.5	12.7#
61	0.0	8.1	12.1#
70	3.8	6.3	9.5#



#26
Hexane
Concen: 0.079 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL035206.D
Acq: 16 Jul 2020 23:00

Tgt Ion:	57	Resp:	7339
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.9	109.3#
43	0.0	179.5	269.3#
56	0.0	42.9	64.3#





#27

Carbon Disulfide

Concen: 0.209 ppbv

RT: 4.51 min Scan# 536

Delta R.T. -0.01 min

Lab File: VL035206.D

Acq: 16 Jul 2020 23:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

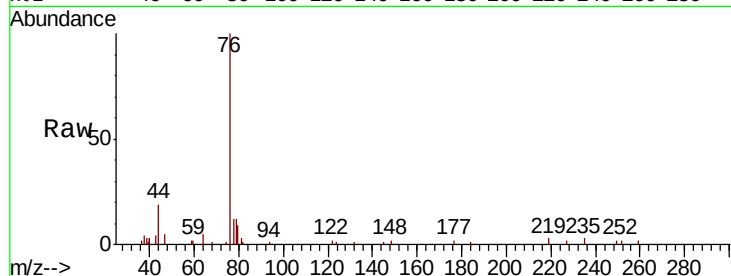
Tot Ion: 76 Resp: 27241

Ion Ratio Lower Upper

76 100

44 54.3 14.9 22.3#

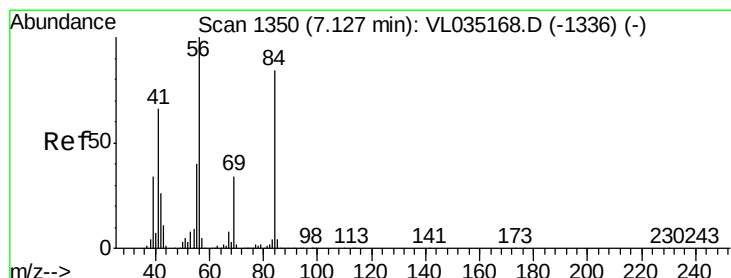
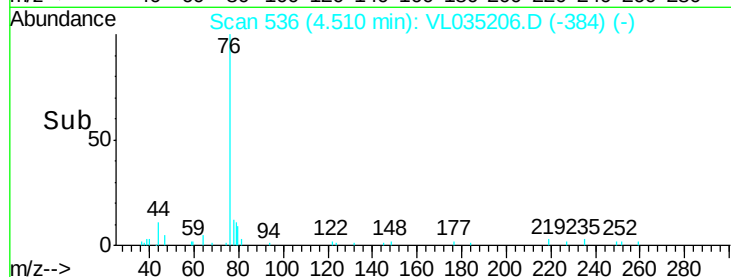
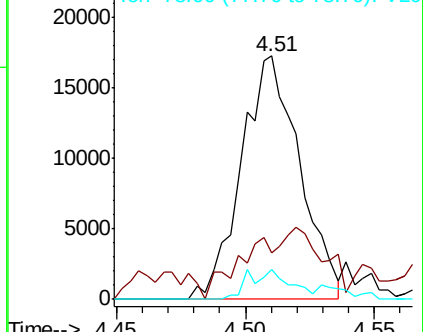
78 11.8 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 0.075 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL035206.D

Acq: 16 Jul 2020 23:00

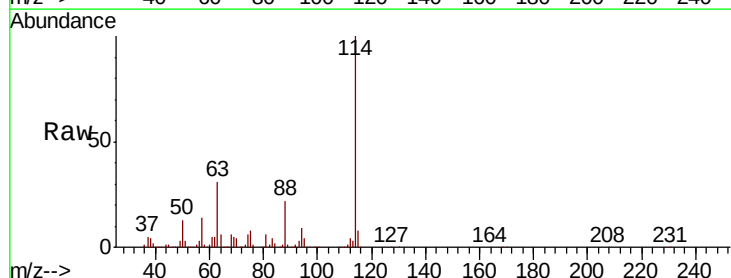
Tgt Ion: 84 Resp: 5168

Ion Ratio Lower Upper

84 100

56 0.0 105.6 158.4#

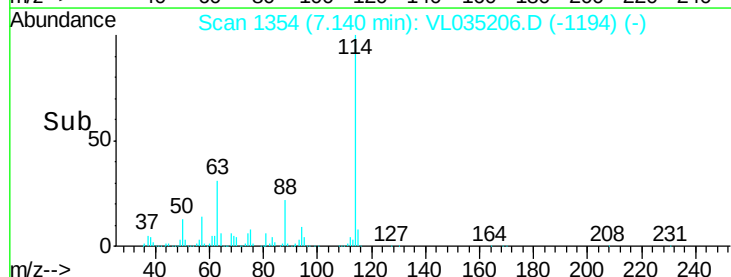
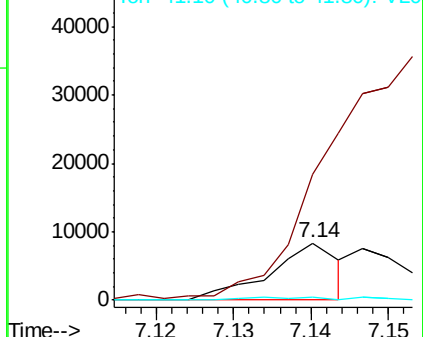
41 0.0 64.9 97.3#

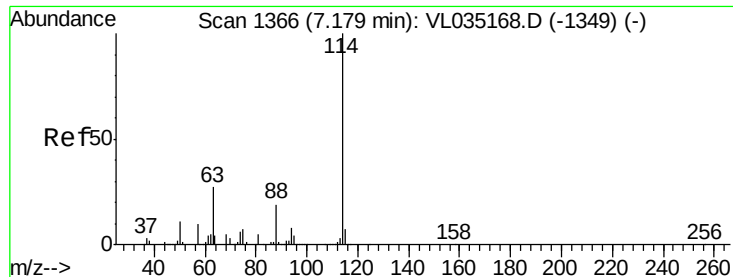


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

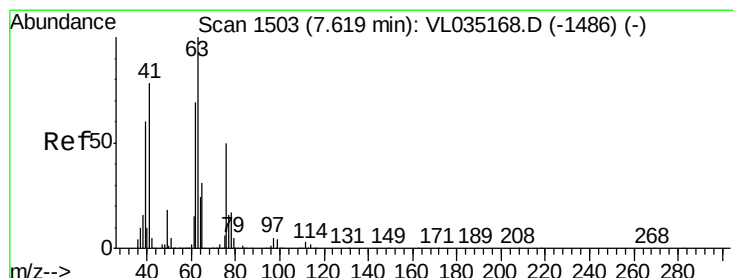
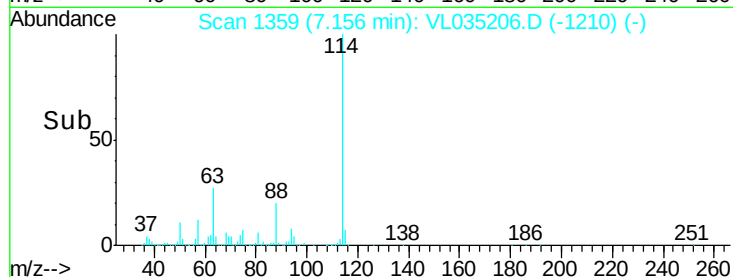
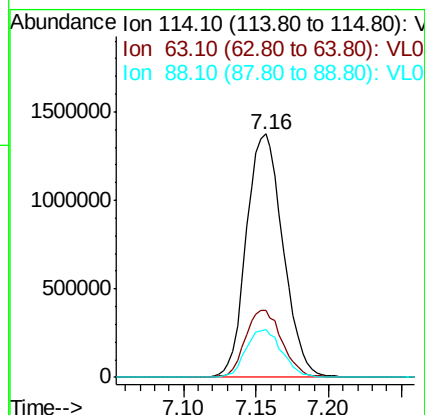
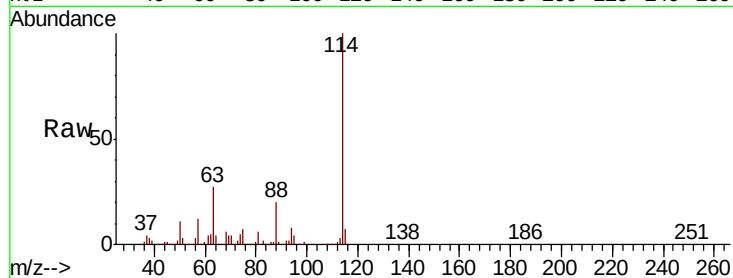




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL035206.D
 Acq: 16 Jul 2020 23:00

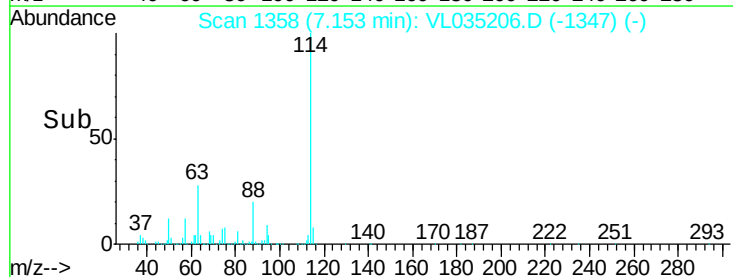
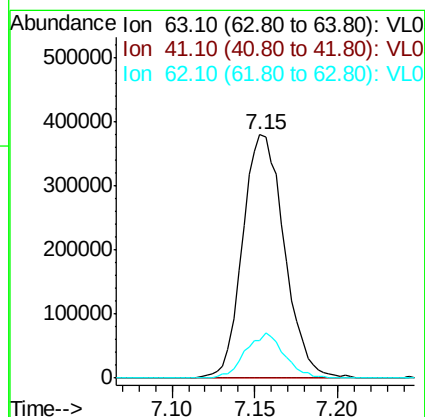
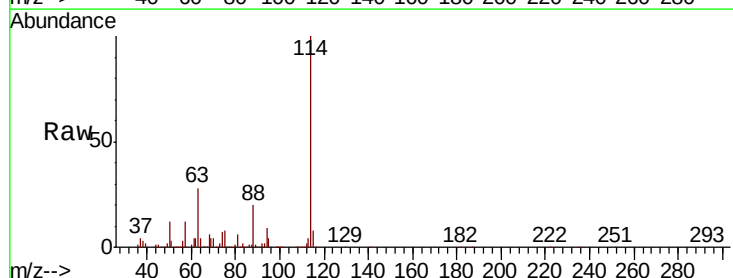
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

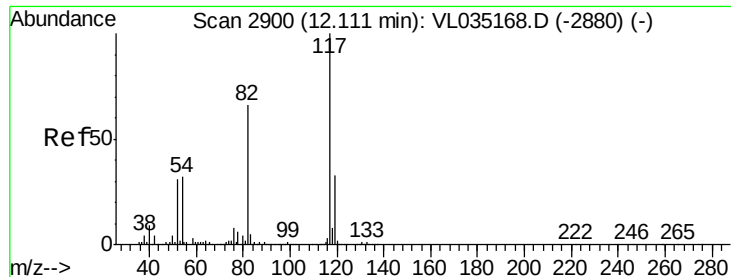
Tot Ion:114 Resp: 2423490
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.0 33.0
 88 19.4 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 9.507 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.47 min
 Lab File: VL035206.D
 Acq: 16 Jul 2020 23:00

Tgt Ion: 63 Resp: 663140
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.6 94.0#
 62 15.4 55.0 82.6#

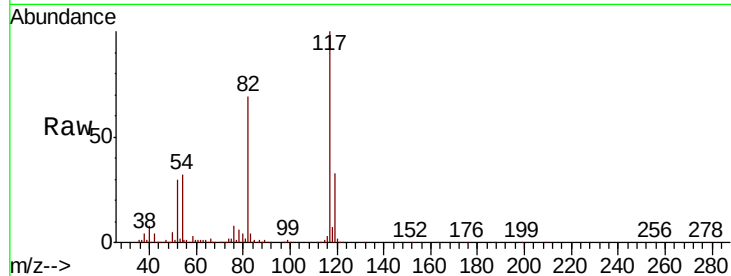




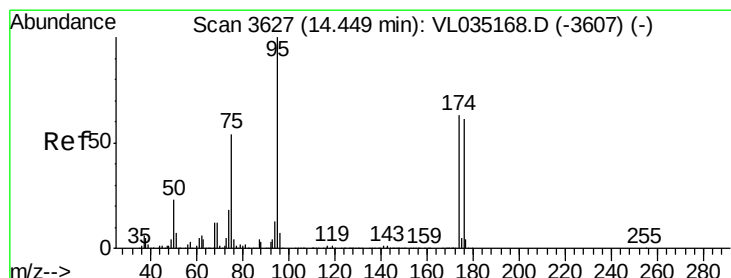
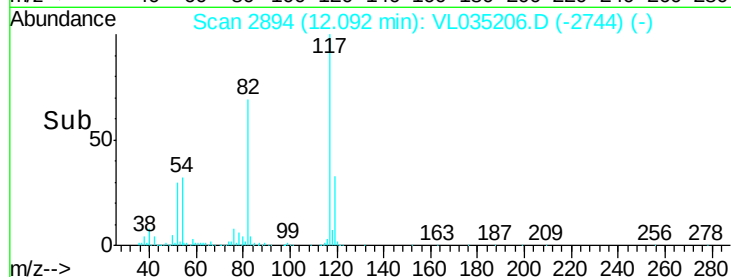
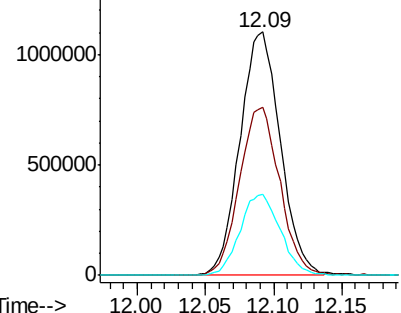
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035206.D
Acq: 16 Jul 2020 23:00

Instrument :
MSVOA_L
ClientSampleID :
VIBLK

Tot Ion:117 Resp: 2265926
Ion Ratio Lower Upper
117 100
82 69.2 52.3 78.5
119 33.5 24.9 37.3

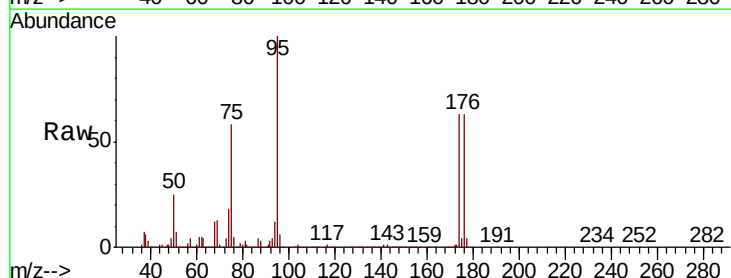


Abundance Ion 117.10 (116.80 to 117.80): V
1500000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.291 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.02 min
Lab File: VL035206.D
Acq: 16 Jul 2020 23:00

Tgt Ion: 95 Resp: 1894291
Ion Ratio Lower Upper
95 100
174 63.7 52.2 78.2
175 4.8 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
1200000 Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

