

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035872.D
 Acq On : 5 Nov 2020 23:02
 Operator : SY/AP
 Sample : L4618-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Quant Time: Nov 06 00:30:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	981812	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3590177	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3306655	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2377836	10.12	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

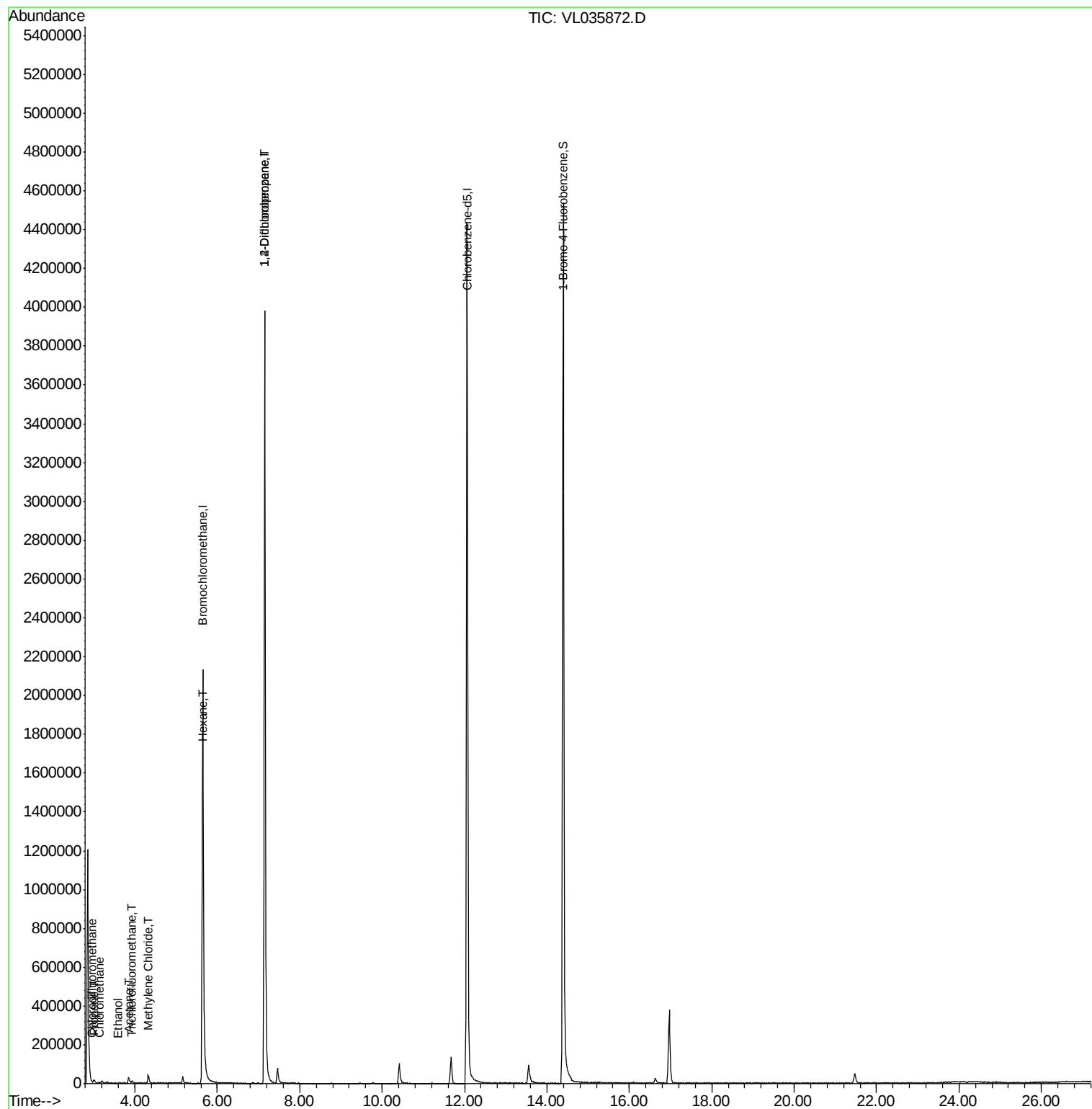
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	4830	0.041	ppbv	92
4) Chloromethane	3.12	50	2895	0.051	ppbv #	83
9) Propene	2.99	41	1529	0.036	ppbv #	1
11) Trichlorofluoromethane	3.93	101	7090	0.031	ppbv	86
13) Ethanol	3.59	45	536	0.057	ppbv #	35
15) Acetone	3.85	43	28262	0.269	ppbv #	42
20) Methylene Chloride	4.32	84	22144	0.300	ppbv	84
26) Hexane	5.66	57	6769	0.059	ppbv #	47
39) 1,2-Dichloropropane	7.15	63	726896	8.089	ppbv #	30

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035872.D

Acq: 5 Nov 2020 23:02

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

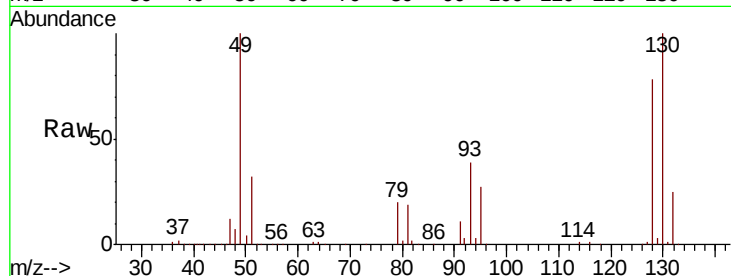
Tot Ion: 49 Resp: 981812

Ion Ratio Lower Upper

49 100

128 80.5 41.5 124.6

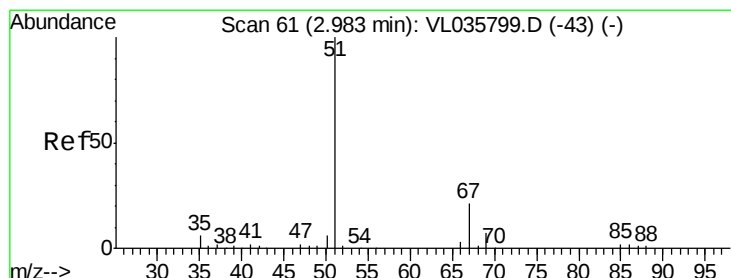
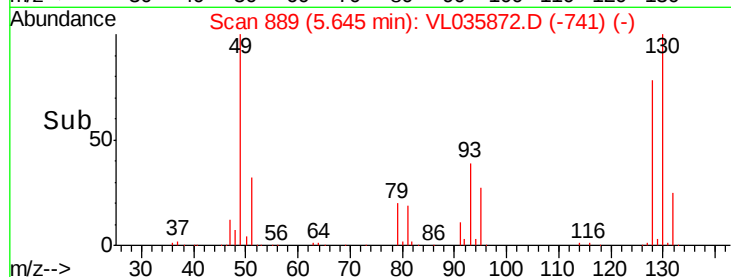
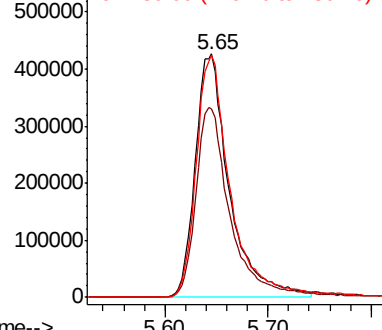
130 102.0 53.7 161.1



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



#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL035872.D

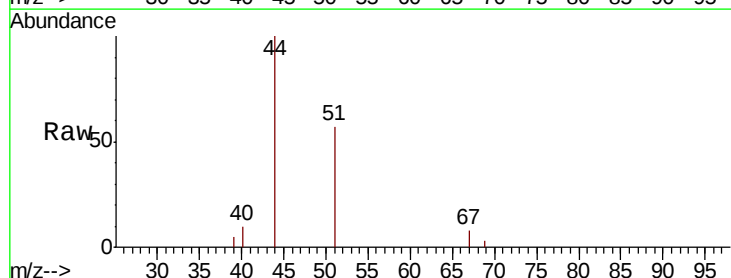
Acq: 5 Nov 2020 23:02

Tgt Ion: 51 Resp: 4830

Ion Ratio Lower Upper

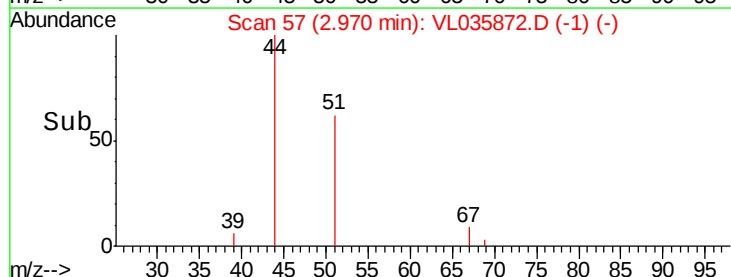
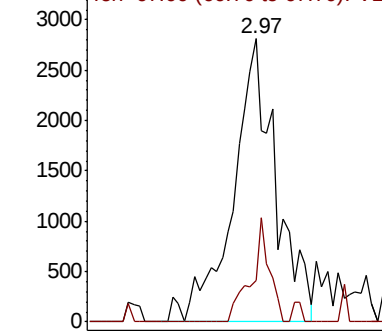
51 100

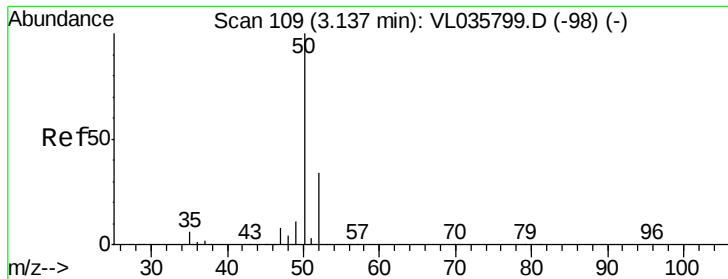
67 17.2 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.051 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035872.D

Acq: 5 Nov 2020 23:02

Instrument :

MSVOA_L

ClientSampled :

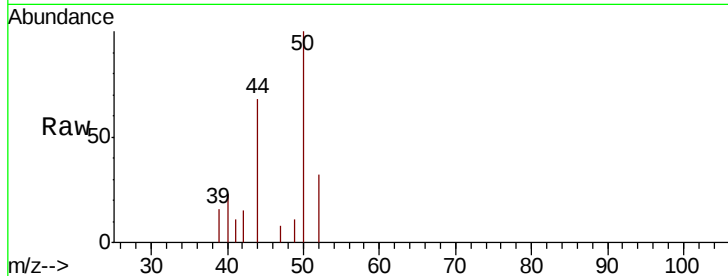
AA-1DL

Tot Ion: 50 Resp: 2895

Ion Ratio Lower Upper

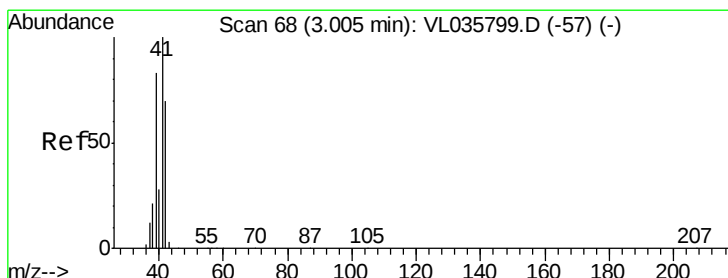
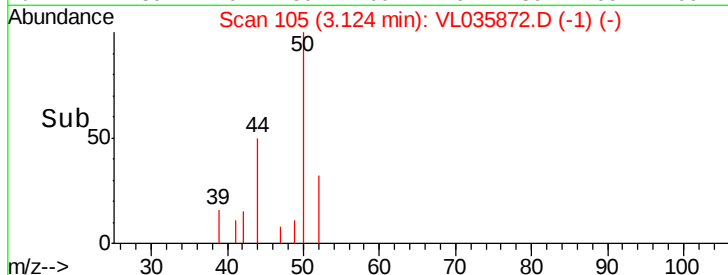
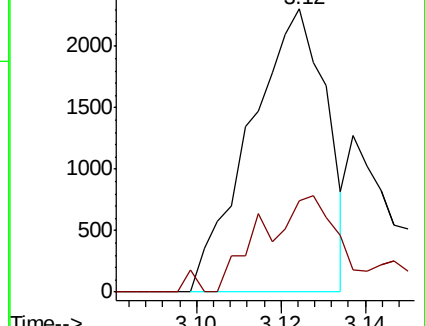
50 100

52 24.4 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.036 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035872.D

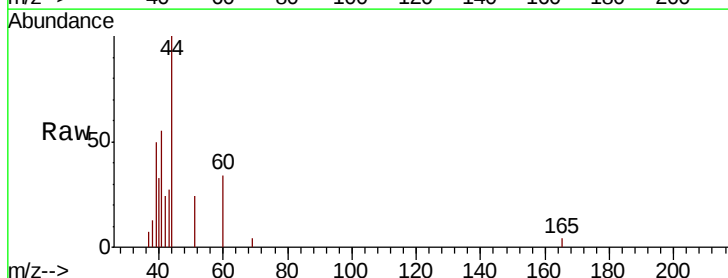
Acq: 5 Nov 2020 23:02

Tgt Ion: 41 Resp: 1529

Ion Ratio Lower Upper

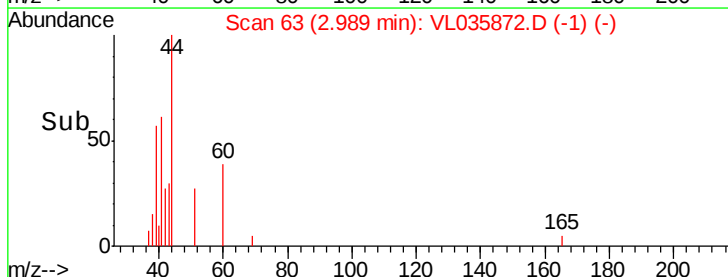
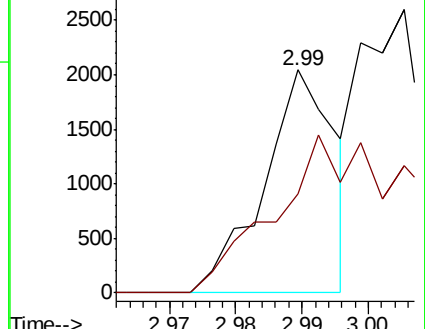
41 100

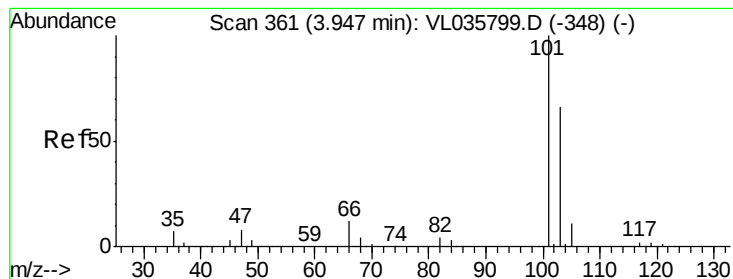
42 162.3 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.031 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035872.D

Acq: 5 Nov 2020 23:02

Instrument :

MSVOA_L

ClientSampleId :

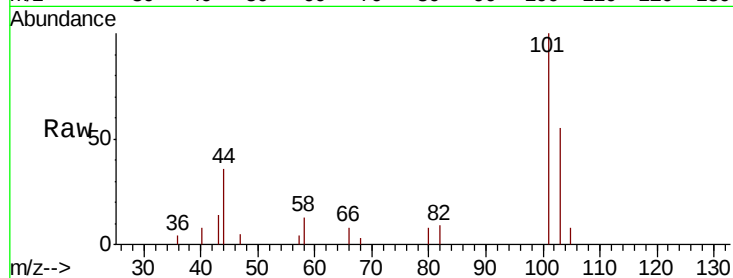
AA-1DL

Tot Ion:101 Resp: 7090

Ion Ratio Lower Upper

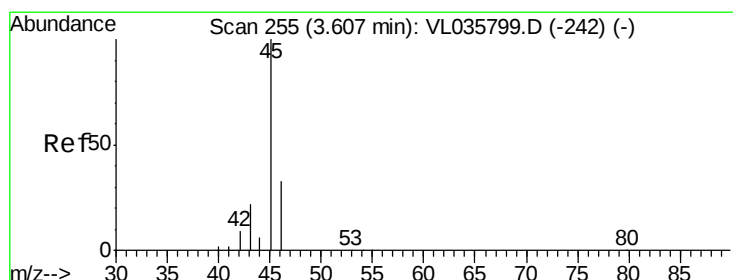
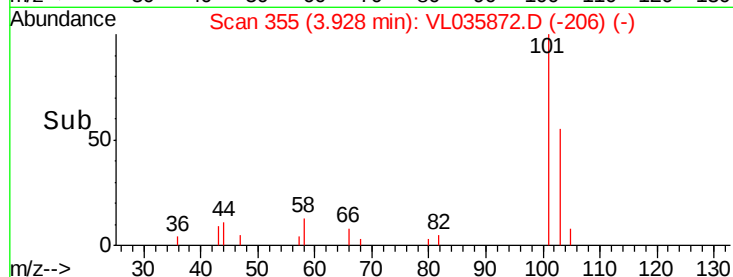
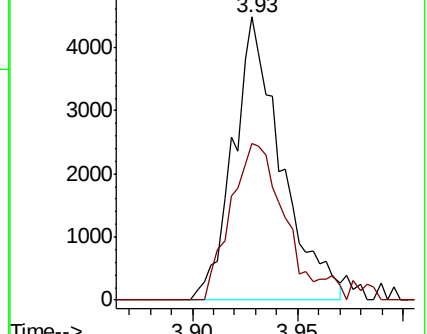
101 100

103 55.1 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 0.057 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL035872.D

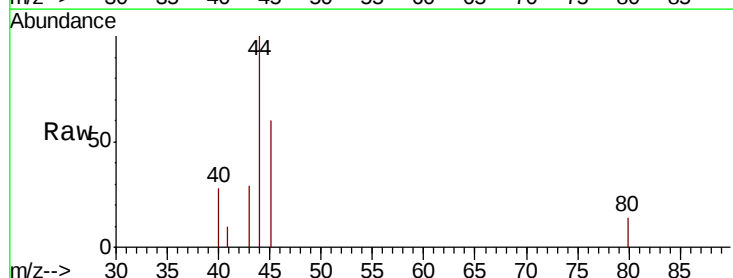
Acq: 5 Nov 2020 23:02

Tgt Ion: 45 Resp: 536

Ion Ratio Lower Upper

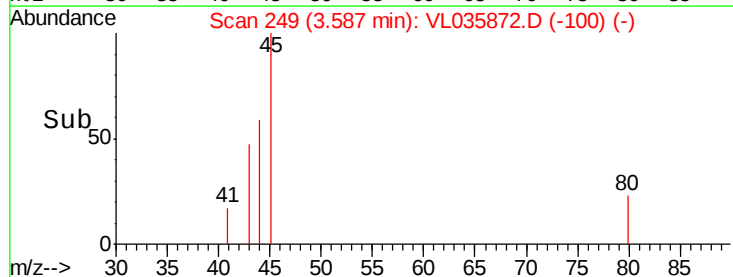
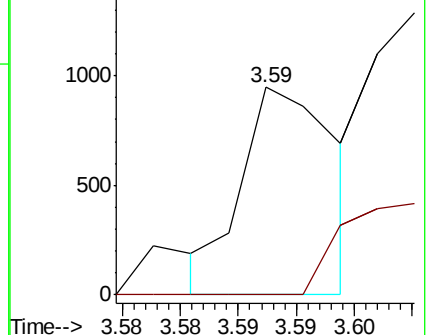
45 100

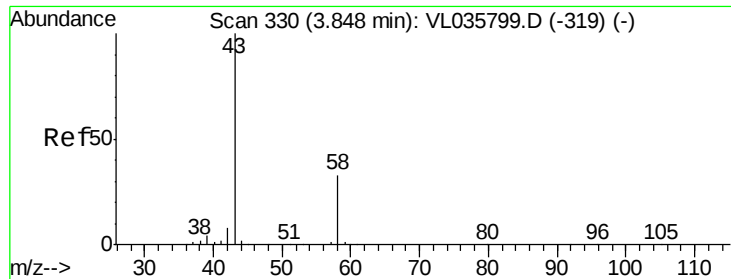
46 0.0 16.1 64.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.269 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035872.D

Acq: 5 Nov 2020 23:02

Instrument :

MSVOA_L

ClientSampleId :

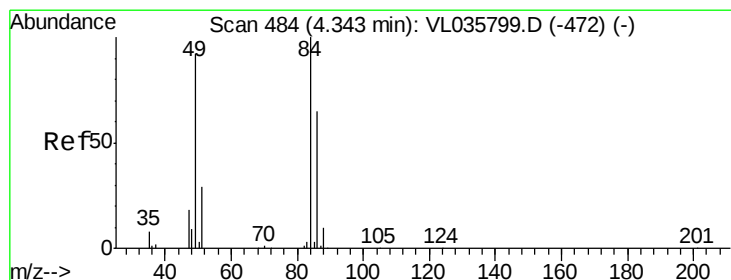
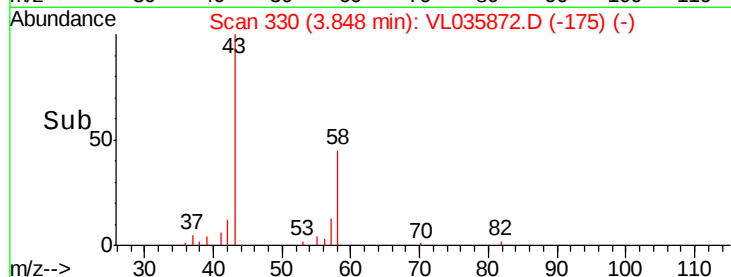
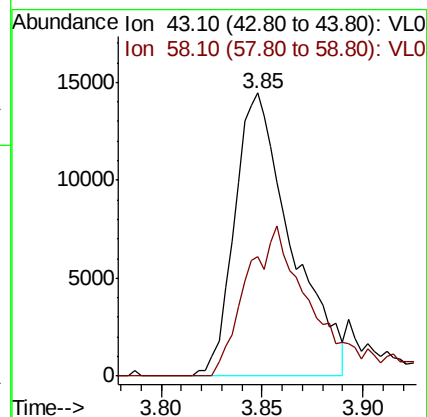
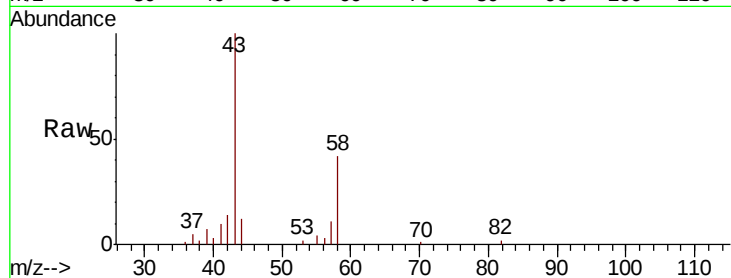
AA-1DL

Tot Ion: 43 Resp: 28262

Ion Ratio Lower Upper

43 100

58 67.7 27.5 41.3#



#20

Methylene Chloride

Concen: 0.300 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL035872.D

Acq: 5 Nov 2020 23:02

Tgt Ion: 84 Resp: 22144

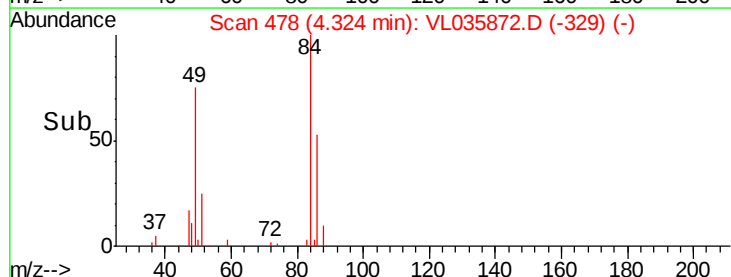
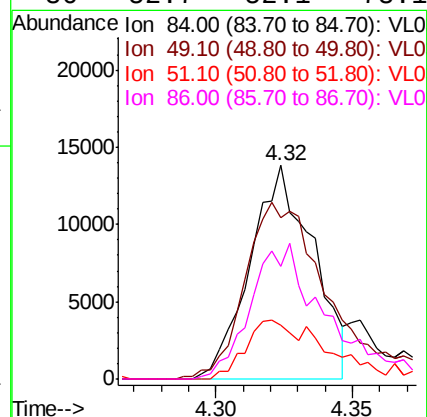
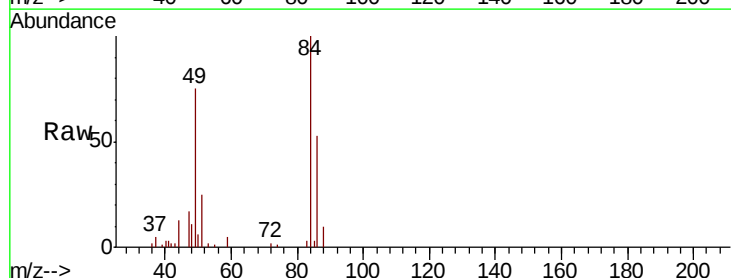
Ion Ratio Lower Upper

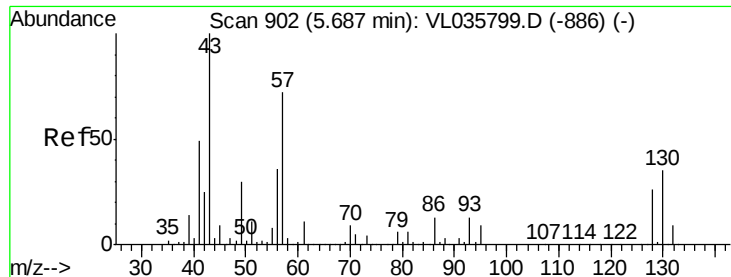
84 100

49 74.1 73.8 110.8

51 25.0 23.0 34.4

86 52.7 52.1 78.1

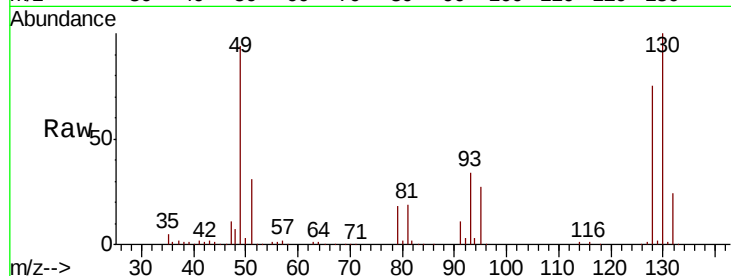




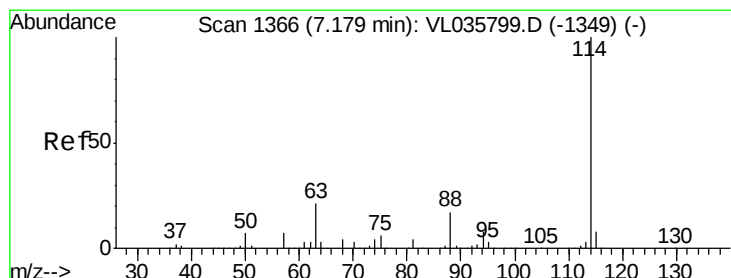
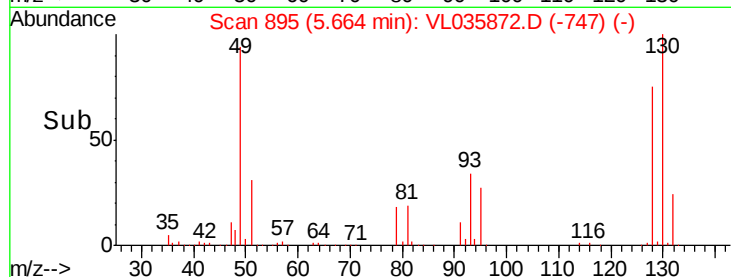
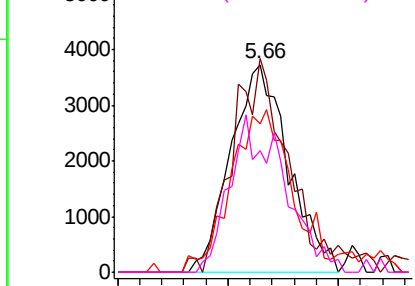
#26
Hexane
Concen: 0.059 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035872.D
Acq: 5 Nov 2020 23:02

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Tot Ion: 57 Resp: 6769
Ion Ratio Lower Upper
57 100
41 105.6 58.9 88.3#
43 91.1 150.2 225.2#
56 71.9 42.4 63.6#

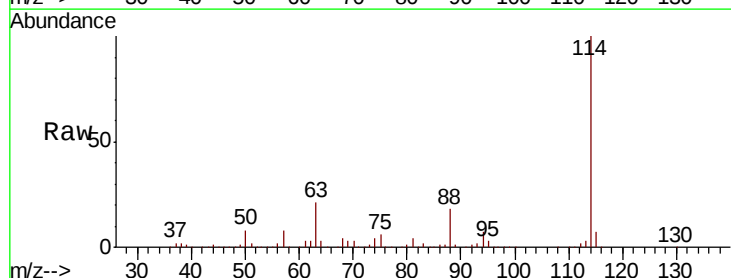


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

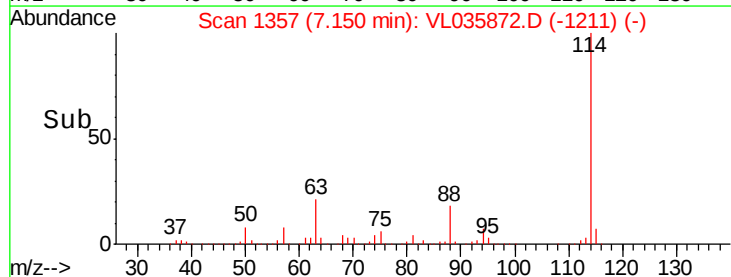
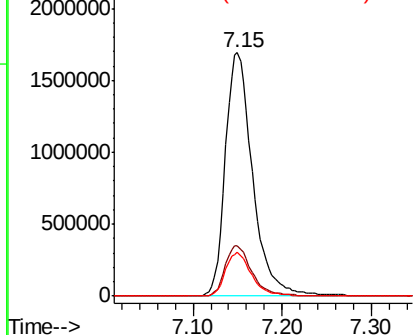


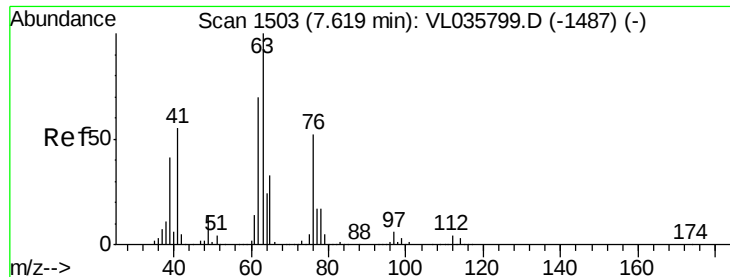
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL035872.D
Acq: 5 Nov 2020 23:02

Tgt Ion: 114 Resp: 3590177
Ion Ratio Lower Upper
114 100
63 20.4 16.1 24.1
88 17.3 13.7 20.5



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

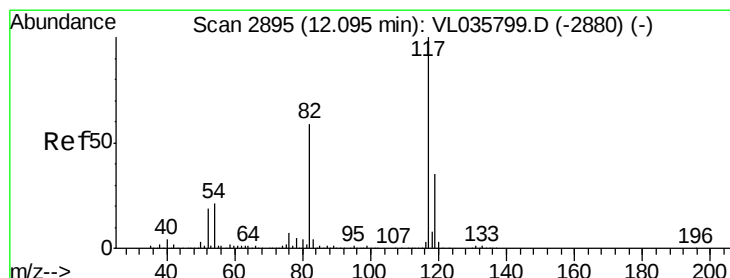
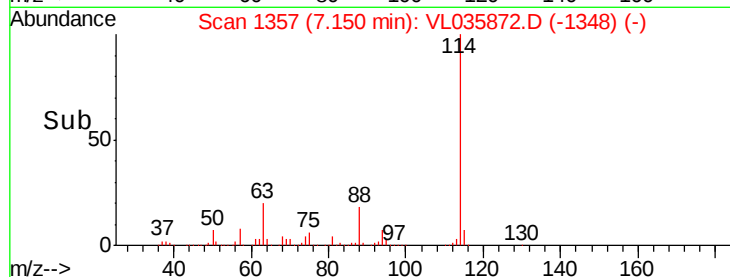
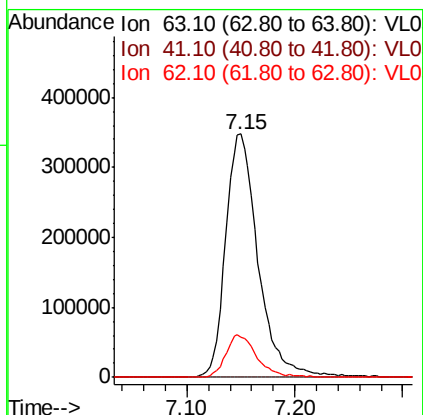
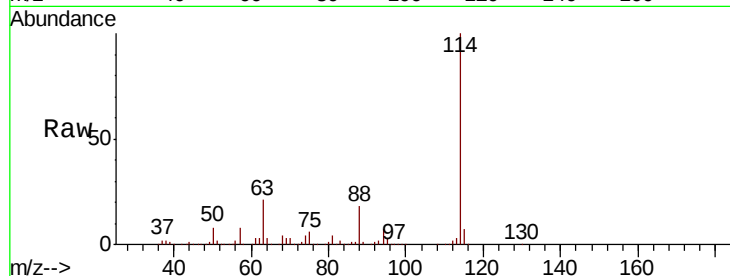




#39
 1,2-Dichloropropane
 Concen: 8.089 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.47 min
 Lab File: VL035872.D
 Acq: 5 Nov 2020 23:02

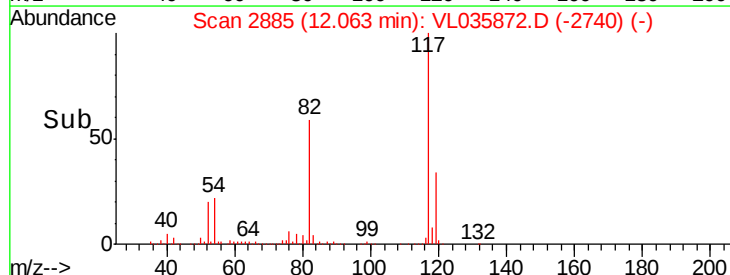
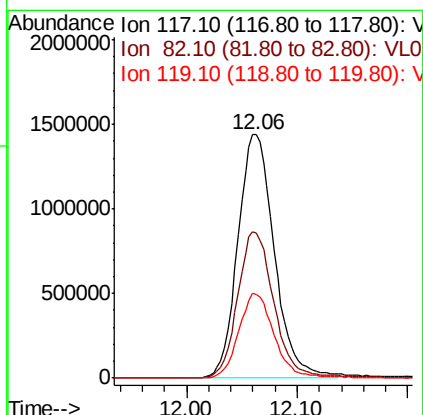
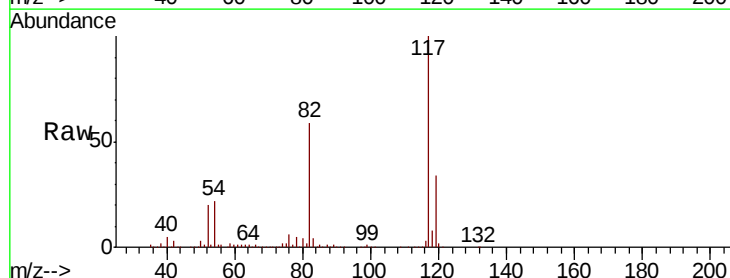
Instrument :
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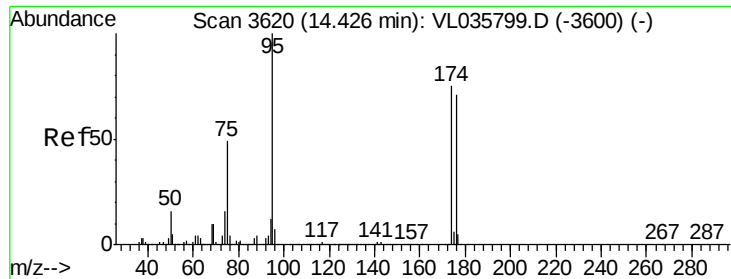
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.3	56.2	84.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T. -0.03 min
 Lab File: VL035872.D
 Acq: 5 Nov 2020 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	50.6	76.0
119	34.1	52.6	78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.121 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035872.D

Acq: 5 Nov 2020 23:02

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

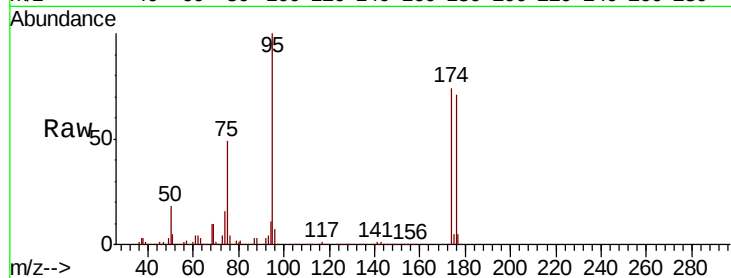
Tot Ion: 95 Resp: 2377836

Ion Ratio Lower Upper

95 100

174 74.6 59.8 89.6

175 5.3 4.3 6.5



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

