

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035868.D
 Acq On : 5 Nov 2020 20:20
 Operator : SY/AP
 Sample : L4220-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

Quant Time: Nov 06 01:16:23 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	5.64	49	1030986	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4008015	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3699320	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2627781	10.00	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

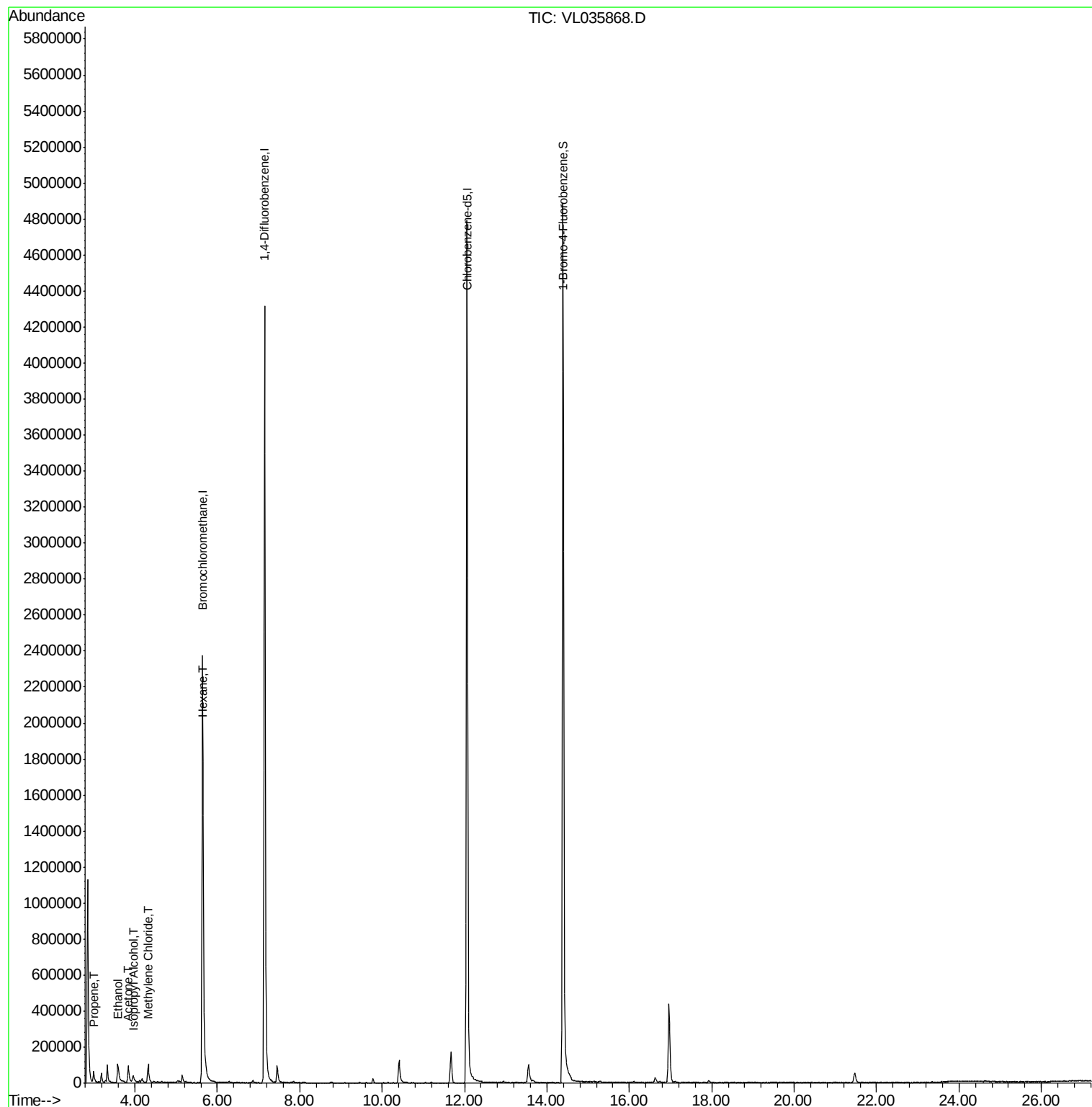
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	18822	0.417	ppbv	87
13) Ethanol	3.58	45	146681	14.962	ppbv	97
15) Acetone	3.83	43	109323	0.992	ppbv #	87
19) Isopropyl Alcohol	3.96	45	49295m	0.728	ppbv	
20) Methylene Chloride	4.32	84	57934	0.747	ppbv	88
26) Hexane	5.66	57	29122	0.243	ppbv #	46

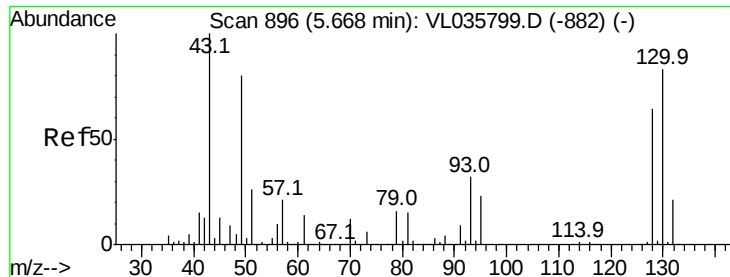
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035868.D

Acq: 5 Nov 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

IA4DL

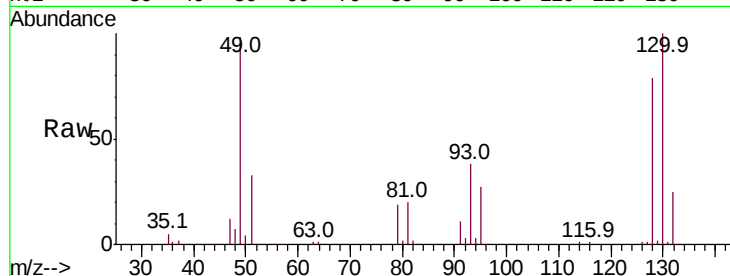
Tot Ion: 49 Resp: 1030986

Ion Ratio Lower Upper

49 100

128 84.5 41.5 124.6

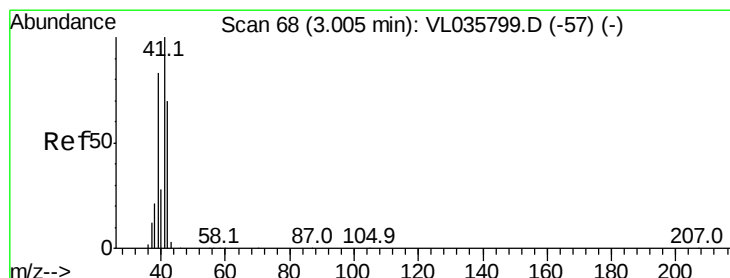
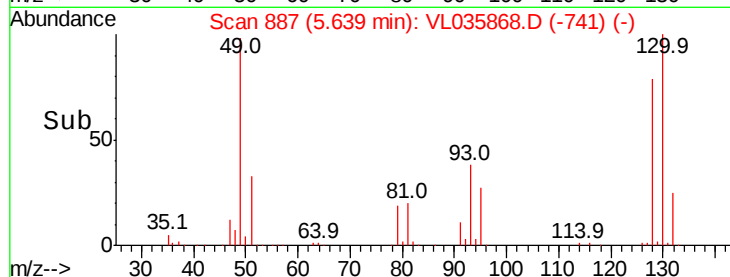
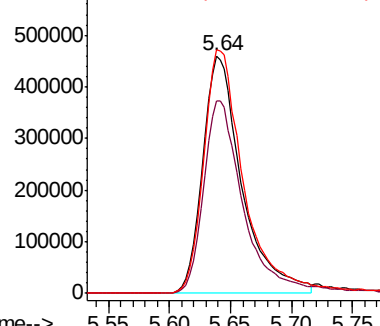
130 107.9 53.7 161.1



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



#9

Propene

Concen: 0.417 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035868.D

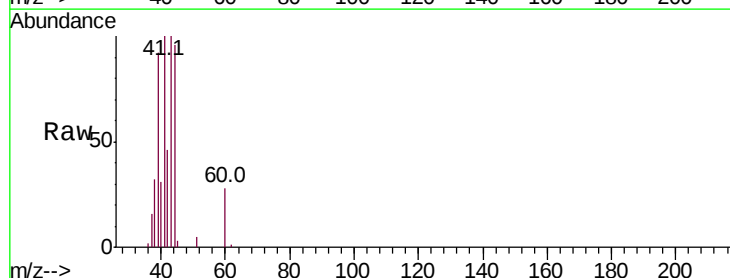
Acq: 5 Nov 2020 20:20

Tgt Ion: 41 Resp: 18822

Ion Ratio Lower Upper

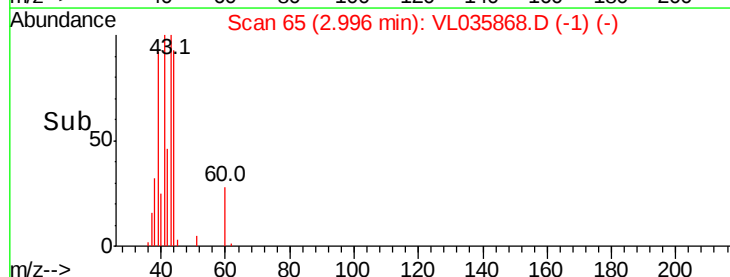
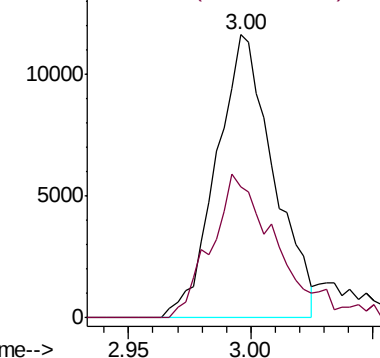
41 100

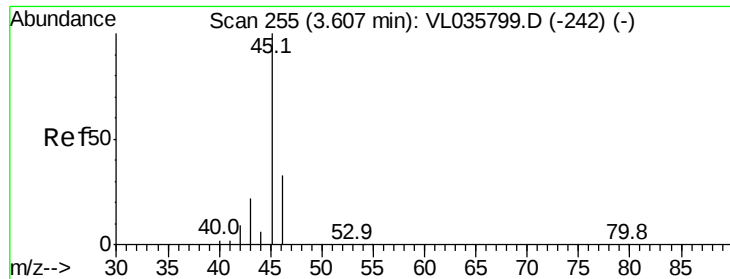
42 59.9 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 14.962 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL035868.D

Acq: 5 Nov 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

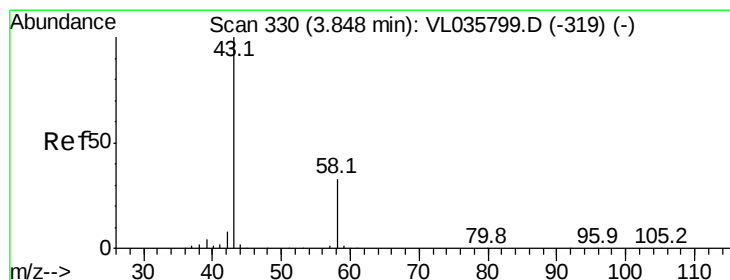
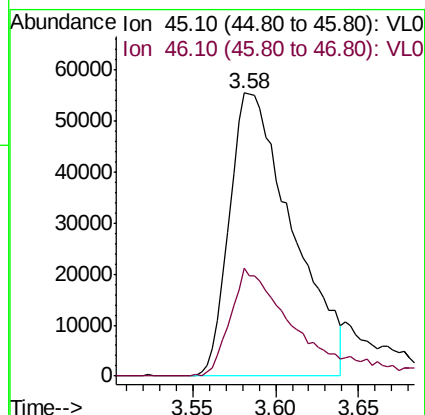
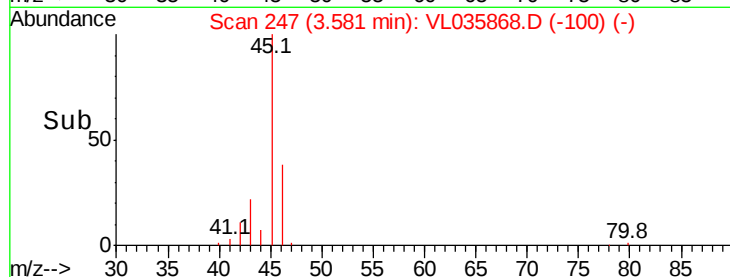
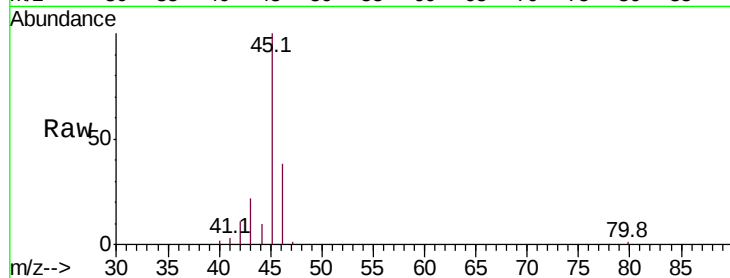
IA4DL

Tot Ion: 45 Resp: 146681

Ion Ratio Lower Upper

45 100

46 42.4 16.1 64.5



#15

Acetone

Concen: 0.992 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035868.D

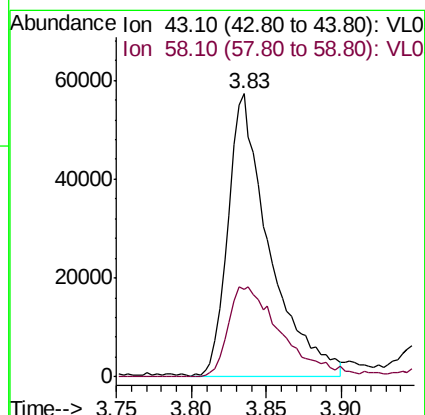
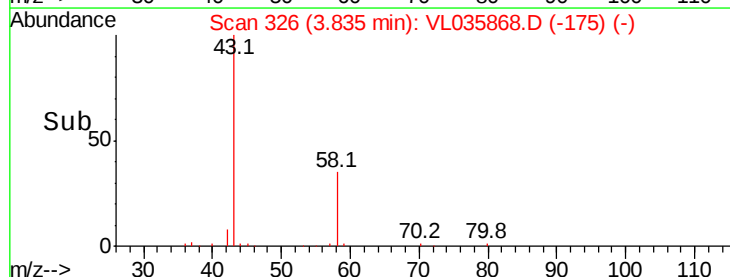
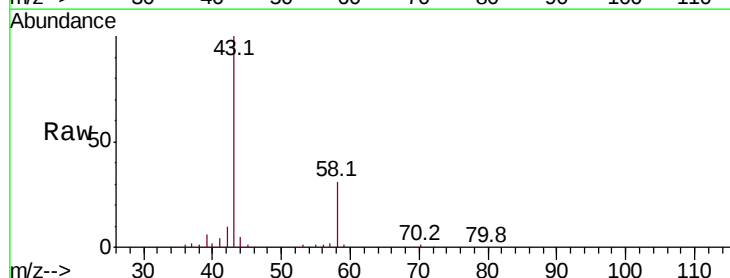
Acq: 5 Nov 2020 20:20

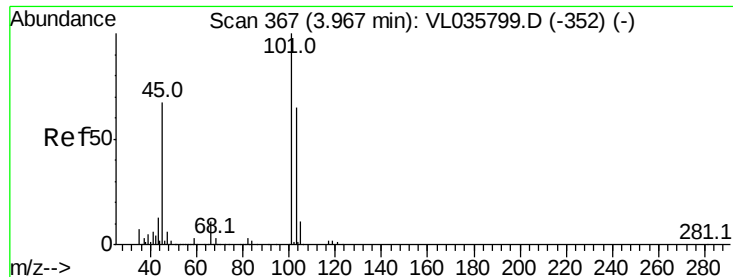
Tgt Ion: 43 Resp: 109323

Ion Ratio Lower Upper

43 100

58 42.0 27.5 41.3#





#19

Isopropyl Alcohol

Concen: 0.728 ppbv m

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL035868.D

Acq: 5 Nov 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

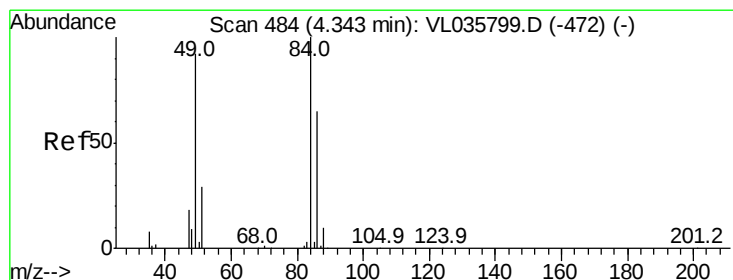
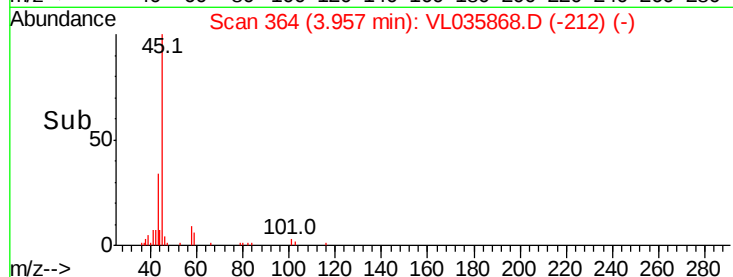
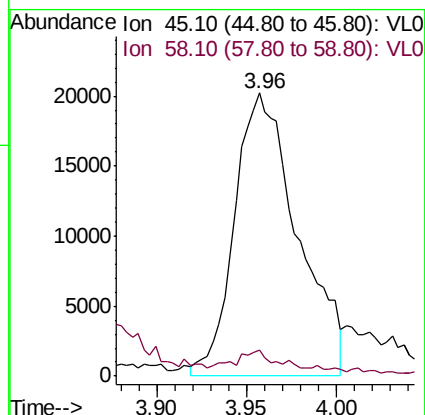
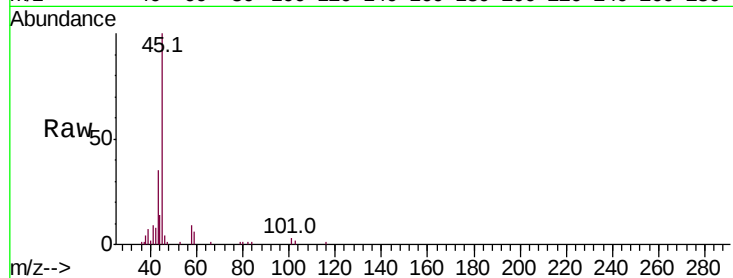
IA4DL

Tot Ion: 45 Resp: 49295

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#



#20

Methylene Chloride

Concen: 0.747 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035868.D

Acq: 5 Nov 2020 20:20

Tgt Ion: 84 Resp: 57934

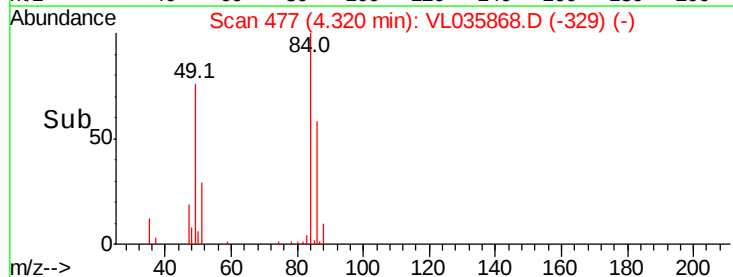
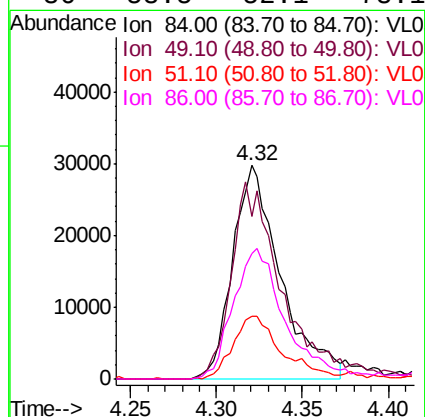
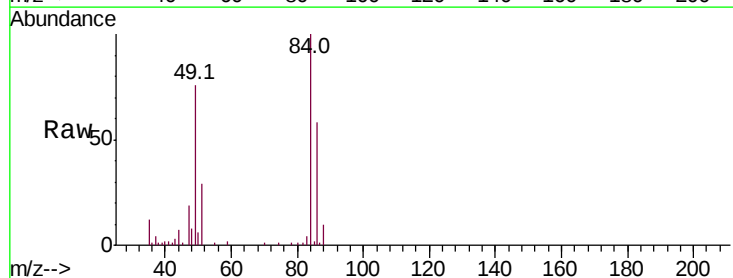
Ion Ratio Lower Upper

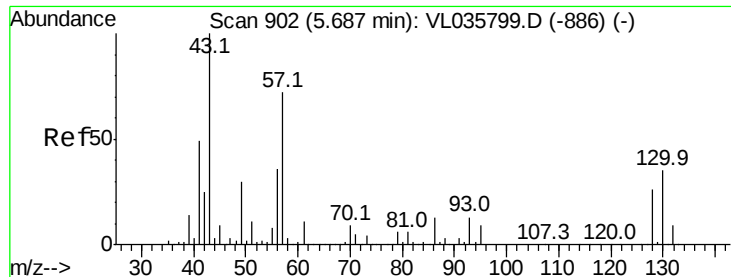
84 100

49 76.0 73.8 110.8

51 29.4 23.0 34.4

86 58.5 52.1 78.1





#26

Hexane

Concen: 0.243 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.03 min

Lab File: VL035868.D

Acq: 5 Nov 2020 20:20

Instrument :

MSVOA_L

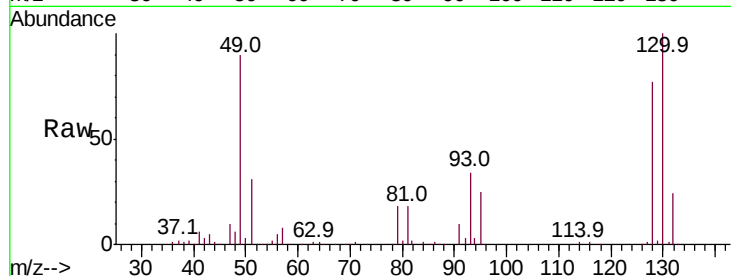
ClientSampleId :

IA4DL

Tot Ion: 57 Resp: 29122

Ion Ratio Lower Upper

57	100		
41	87.1	58.9	88.3
43	72.3	150.2	225.2#
56	63.3	42.4	63.6



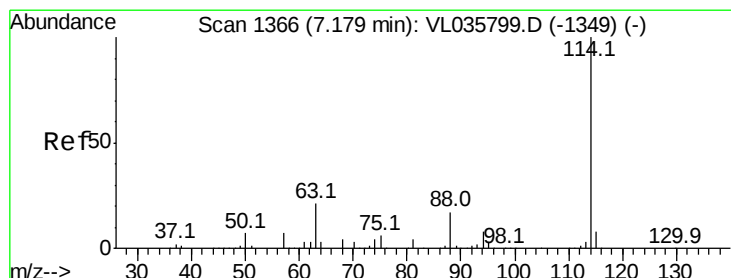
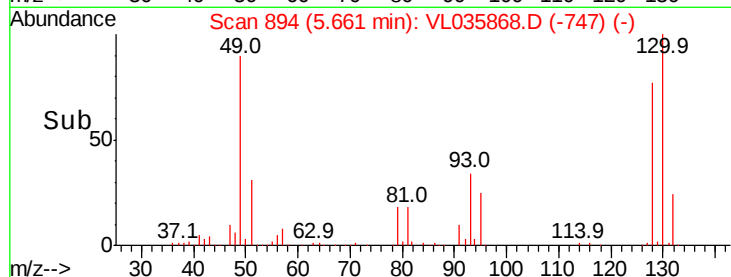
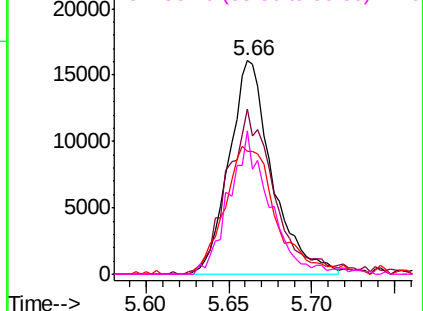
Abundance

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# 1356

Delta R.T. -0.03 min

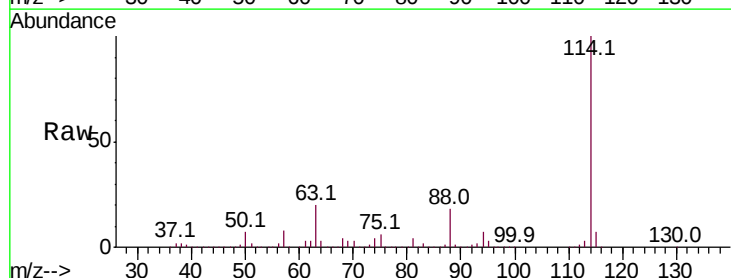
Lab File: VL035868.D

Acq: 5 Nov 2020 20:20

Tgt Ion: 114 Resp: 4008015

Ion Ratio Lower Upper

114	100		
63	19.9	16.1	24.1
88	17.2	13.7	20.5

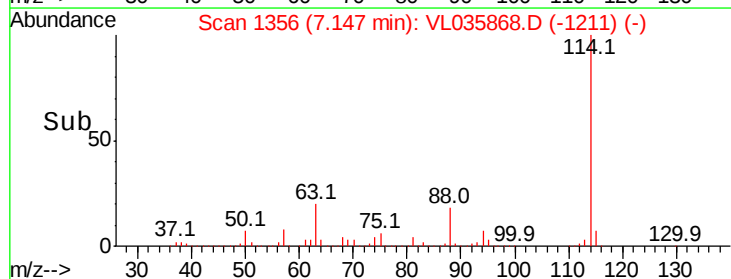
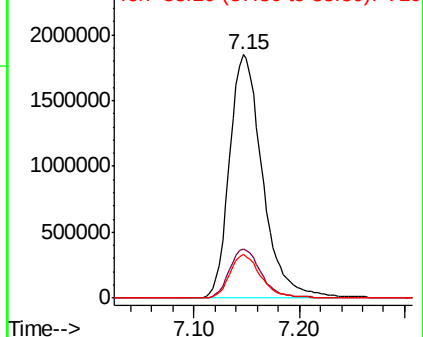


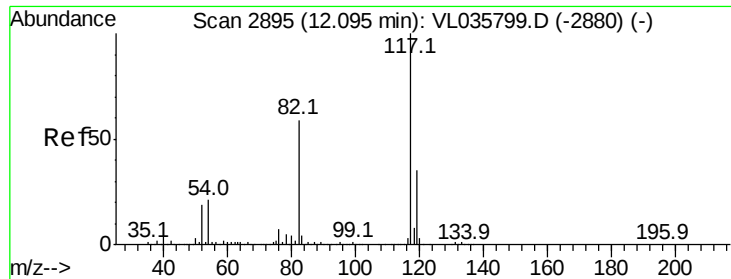
Abundance

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

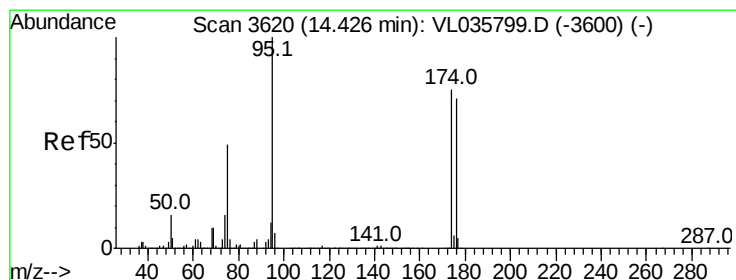
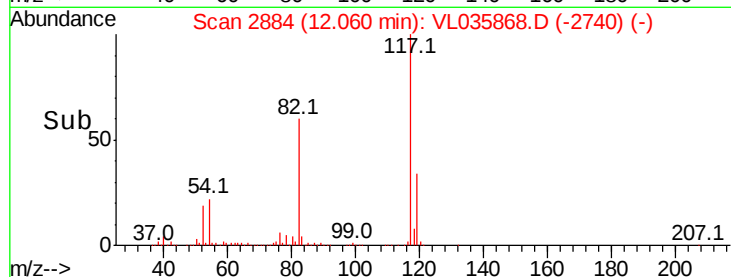
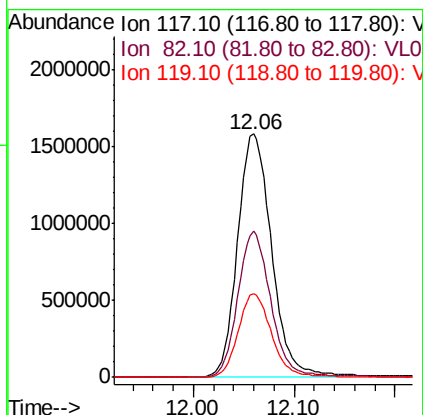
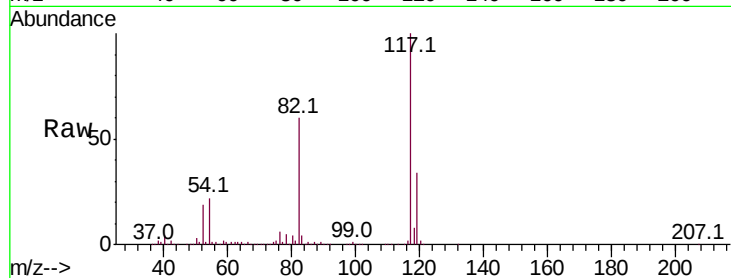




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL035868.D
Acq: 5 Nov 2020 20:20

Instrument :
MSVOA_L
ClientSampleId :
IA4DL

Tot Ion:117 Resp: 3699320
Ion Ratio Lower Upper
117 100
82 59.5 50.6 76.0
119 34.3 52.6 78.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL035868.D
Acq: 5 Nov 2020 20:20

Tgt Ion: 95 Resp: 2627781
Ion Ratio Lower Upper
95 100
174 76.4 59.8 89.6
175 5.5 4.3 6.5

