

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036203.D
 Acq On : 23 Dec 2020 22:10
 Operator : SY/AP
 Sample : L5196-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA2DL

Quant Time: Dec 24 05:27:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1358318	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	0.00	114	0	0.00	ppbv	-7.20
55) Chlorobenzene-d5	12.06	117	2385679	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2081642	10.99	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.90%

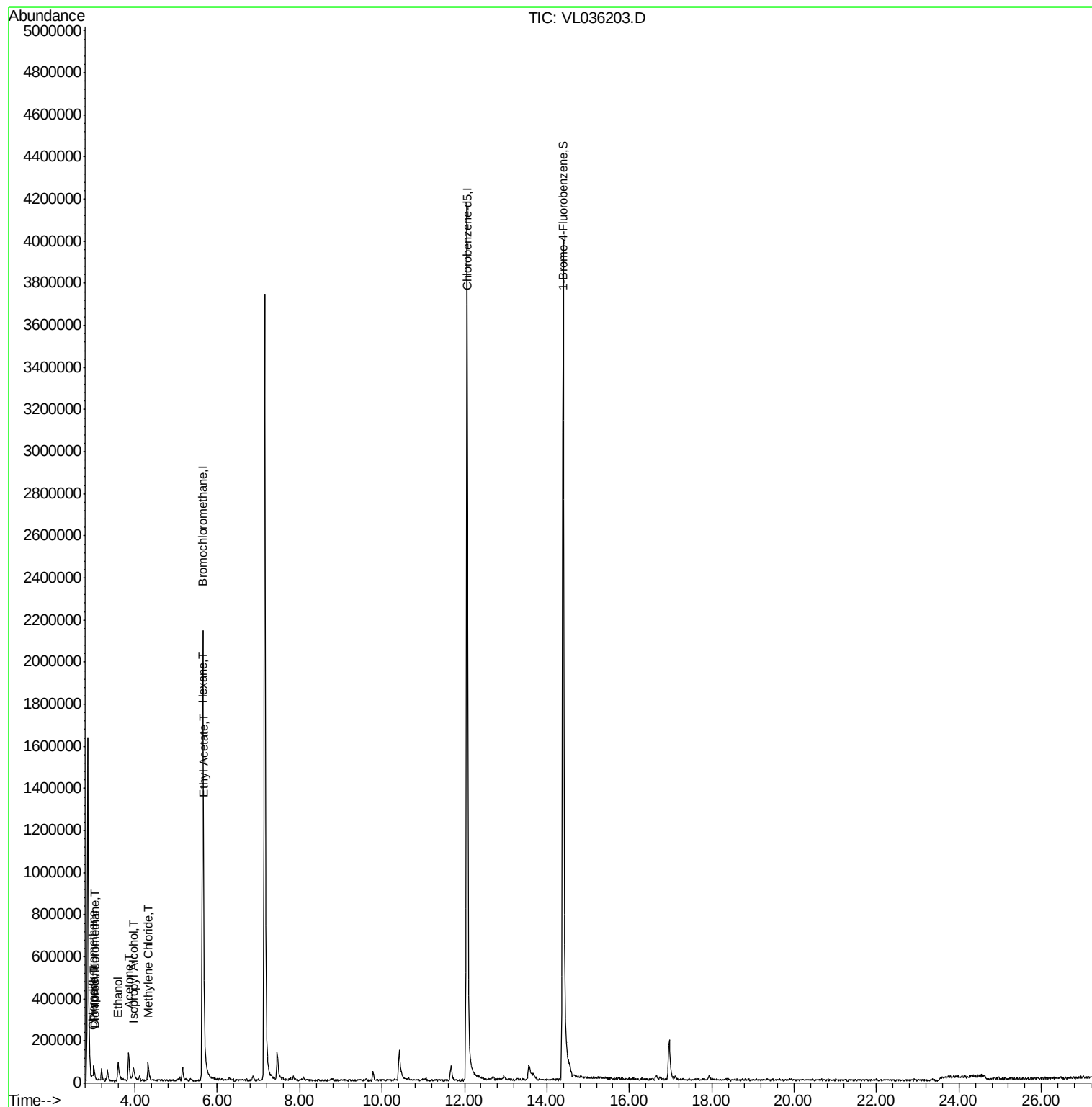
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	4752	0.030	ppbv #	76
3) Chlorodifluoromethane	2.98	51	21894	0.141	ppbv	97
9) Propene	3.00	41	19464	0.251	ppbv	87
13) Ethanol	3.59	45	78924	7.374	ppbv	64
15) Acetone	3.84	43	109124	0.668	ppbv #	89
19) Isopropyl Alcohol	3.96	45	56698	0.568	ppbv #	100
20) Methylene Chloride	4.32	84	29469	0.441	ppbv	87
25) Ethyl Acetate	5.67	43	16525	0.051	ppbv #	92
26) Hexane	5.66	57	37012	0.252	ppbv #	40

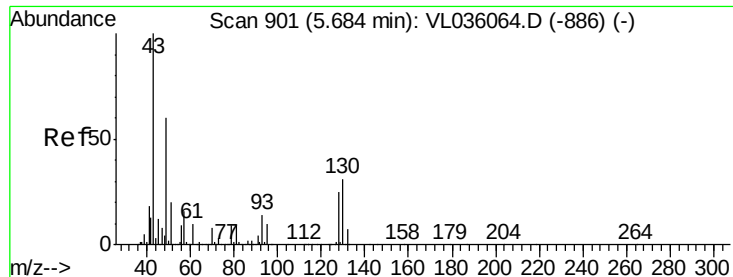
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.04 min

Lab File: VL036203.D

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Instrument :

MSVOA_L

ClientSampleId :

IIA2DL

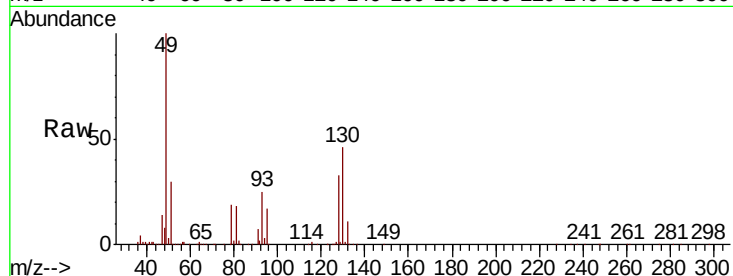
Tot Ion: 49 Resp: 1358318

Ion Ratio Lower Upper

49 100

128 36.4 21.1 63.1

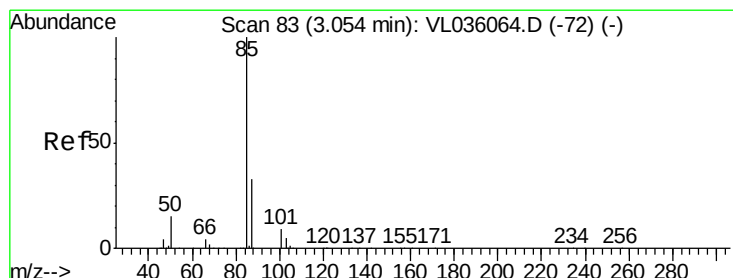
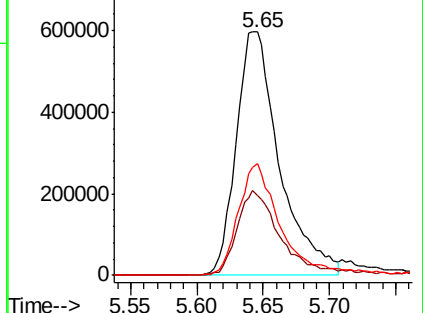
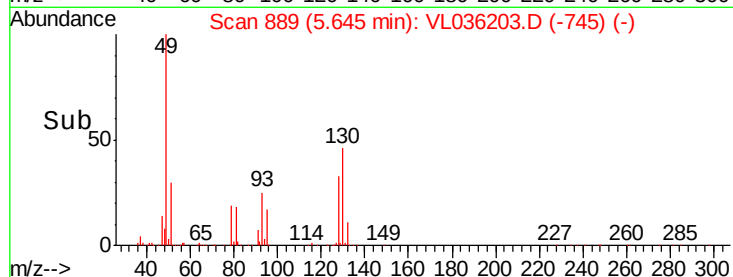
130 46.6 27.1 81.3



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



#2

Dichlorodifluoromethane

Concen: 0.030 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036203.D

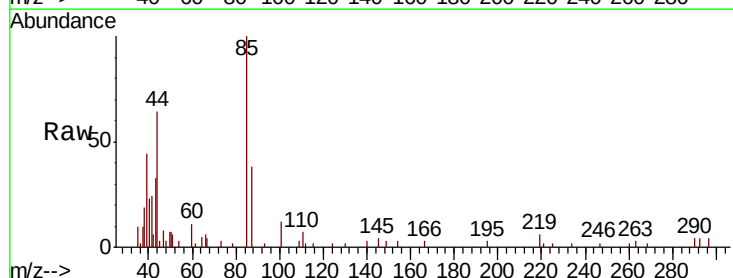
Acq: 23 Dec 2020 22:10

Tgt Ion: 85 Resp: 4752

Ion Ratio Lower Upper

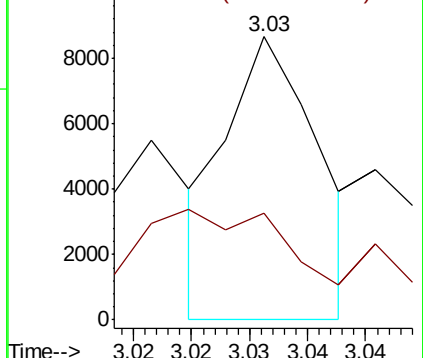
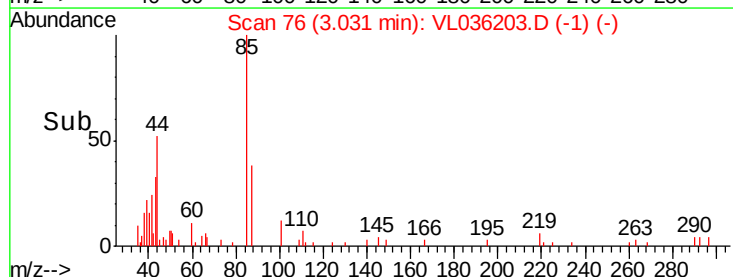
85 100

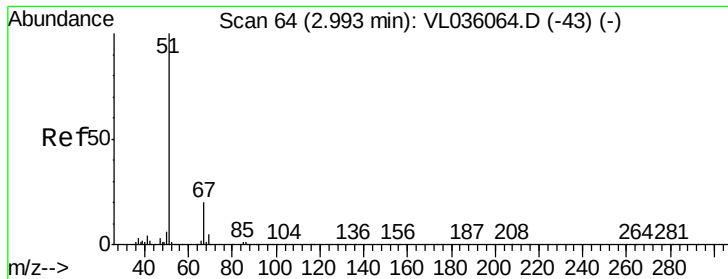
87 46.6 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.141 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL036203.D

Acq: 23 Dec 2020 22:10

Instrument :

MSVOA_L

ClientSampleId :

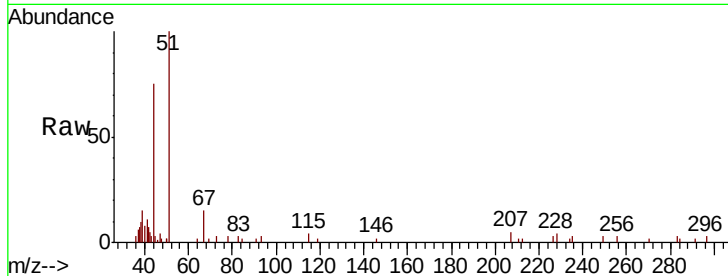
IIA2DL

Tot Ion: 51 Resp: 21894

Ion Ratio Lower Upper

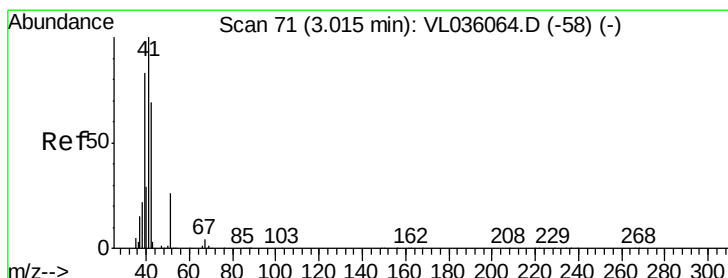
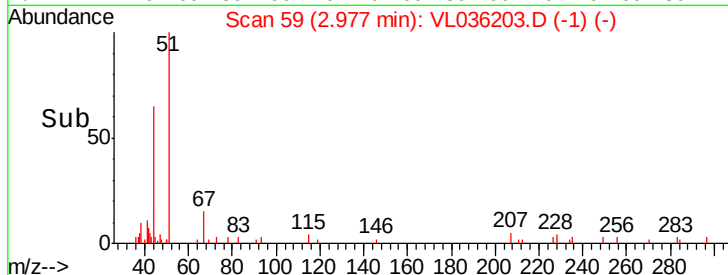
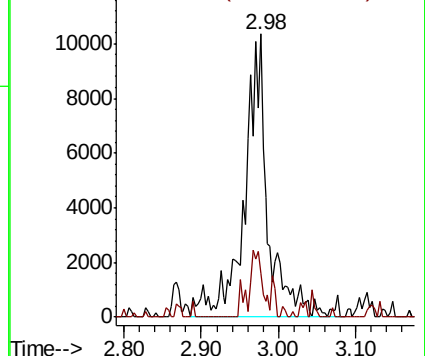
51 100

67 16.5 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.251 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036203.D

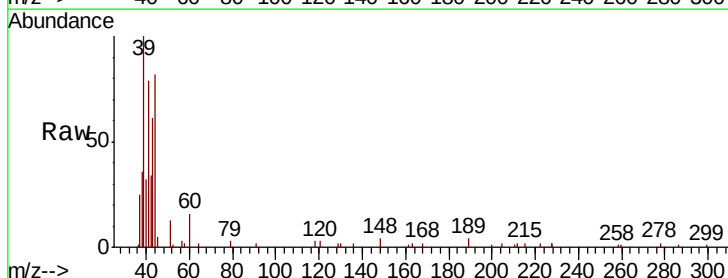
Acq: 23 Dec 2020 22:10

Tgt Ion: 41 Resp: 19464

Ion Ratio Lower Upper

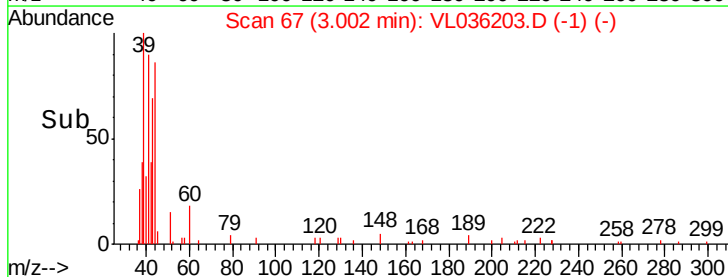
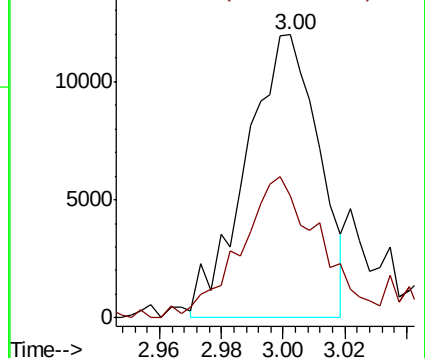
41 100

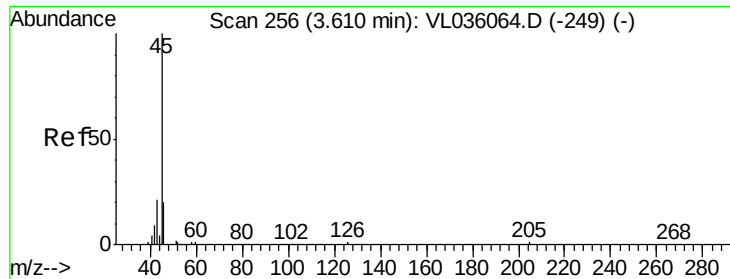
42 60.8 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 7.374 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036203.D

Acq: 23 Dec 2020 22:10

Instrument :

MSVOA_L

ClientSampleId :

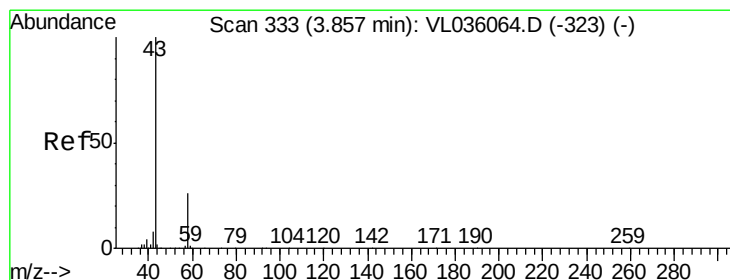
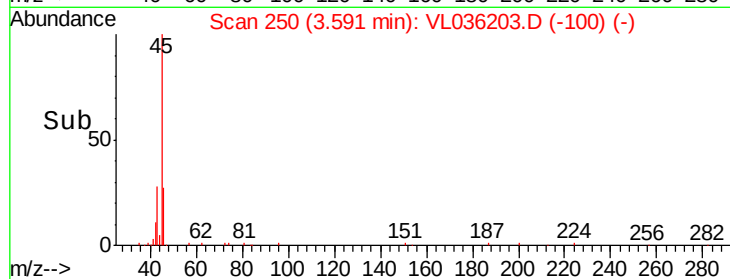
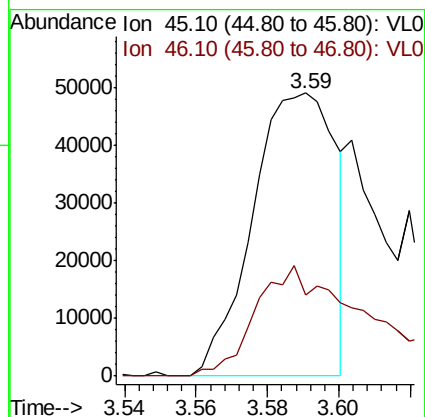
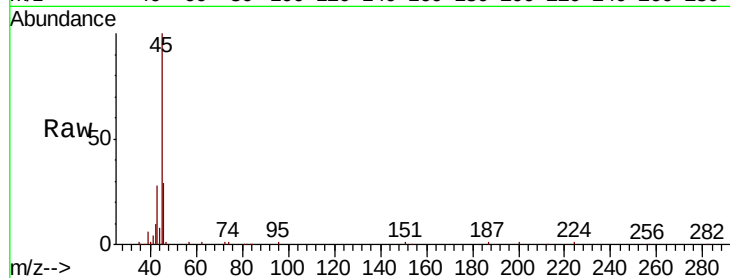
IIA2DL

Tot Ion: 45 Resp: 78924

Ion Ratio Lower Upper

45 100

46 71.2 19.0 75.8



#15

Acetone

Concen: 0.668 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.02 min

Lab File: VL036203.D

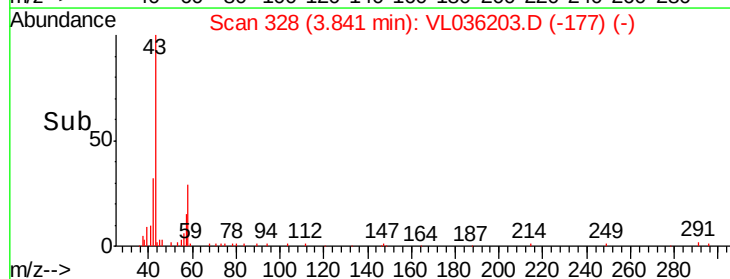
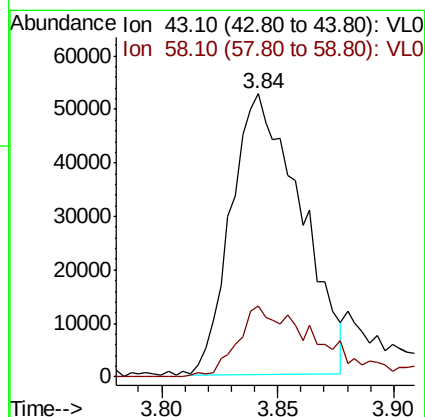
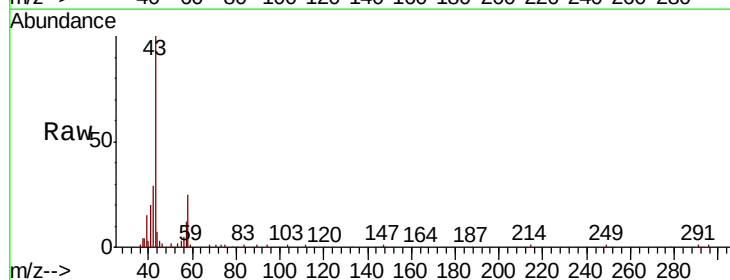
Acq: 23 Dec 2020 22:10

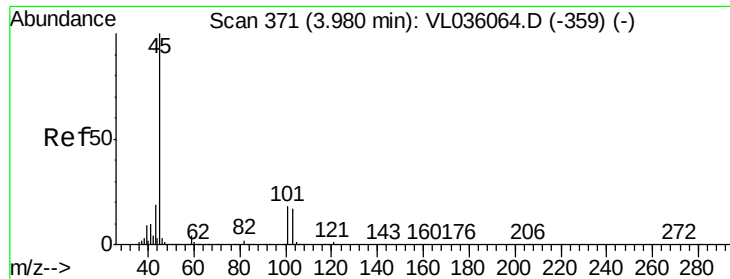
Tgt Ion: 43 Resp: 109124

Ion Ratio Lower Upper

43 100

58 31.5 20.9 31.3#





#19

Isopropyl Alcohol

Concen: 0.568 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL036203.D

Acq: 23 Dec 2020 22:10

Instrument :

MSVOA_L

ClientSampleId :

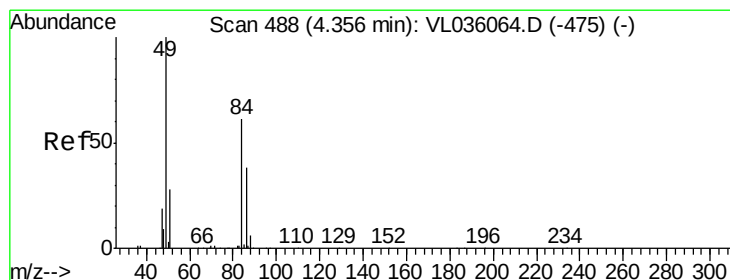
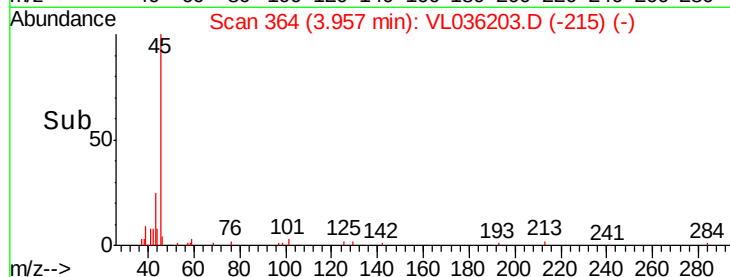
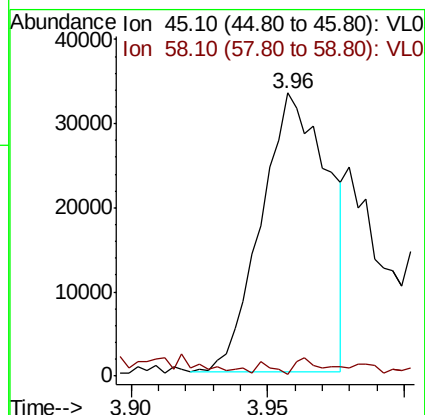
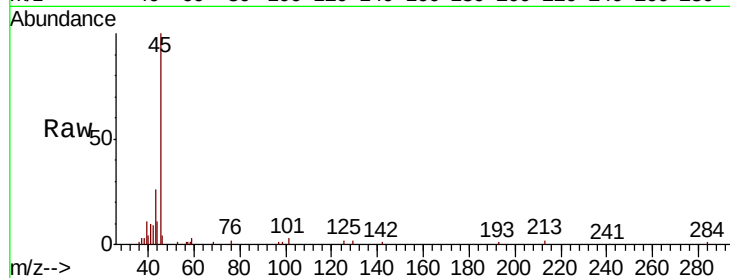
IIA2DL

Tot Ion: 45 Resp: 56698

Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#



#20

Methylene Chloride

Concen: 0.441 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.04 min

Lab File: VL036203.D

Acq: 23 Dec 2020 22:10

Tgt Ion: 84 Resp: 29469

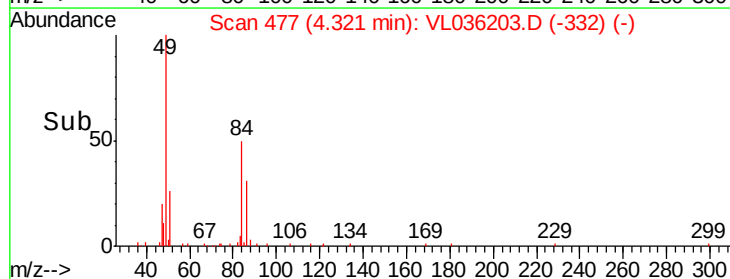
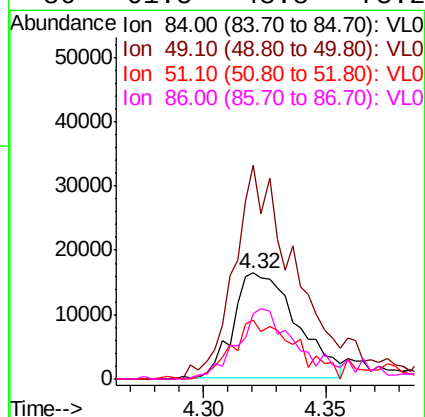
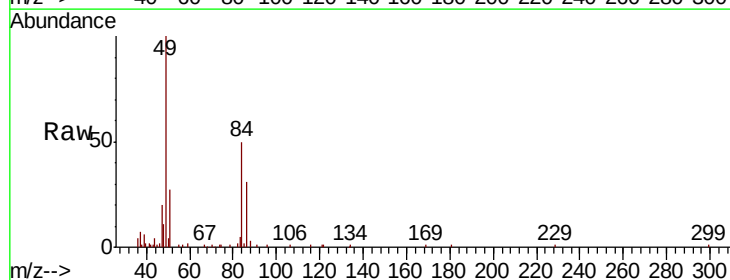
Ion Ratio Lower Upper

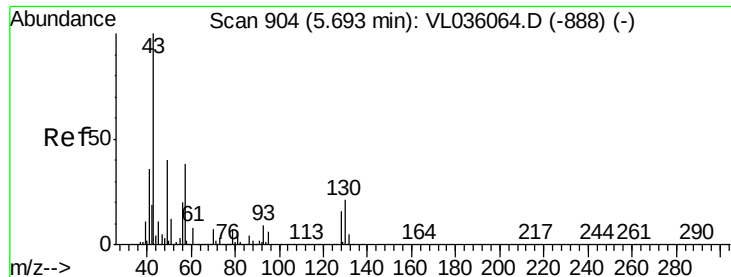
84 100

49 190.7 133.0 199.4

51 56.0 38.9 58.3

86 61.5 48.8 73.2





#25

Ethyl Acetate

Concen: 0.051 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.02 min

Lab File: VL036203.D

Acq: 23 Dec 2020 22:10

Instrument :

MSVOA_L

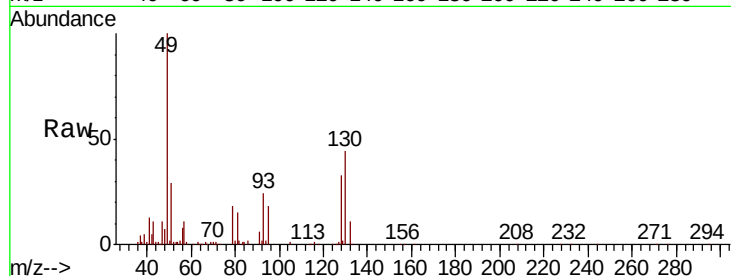
ClientSampleId :

IIA2DL

Tot Ion: 43 Resp: 16525

Ion Ratio Lower Upper

43	100		
45	10.0	8.2	12.4
61	1.8	7.4	11.2#
70	6.8	5.4	8.0

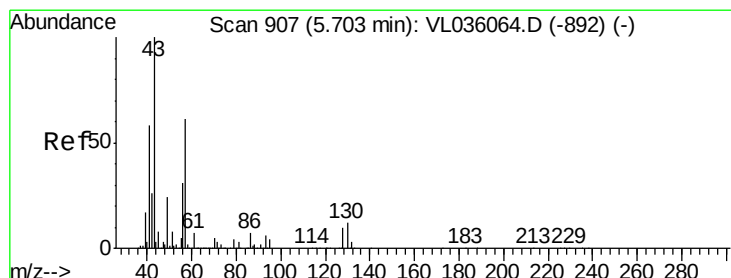
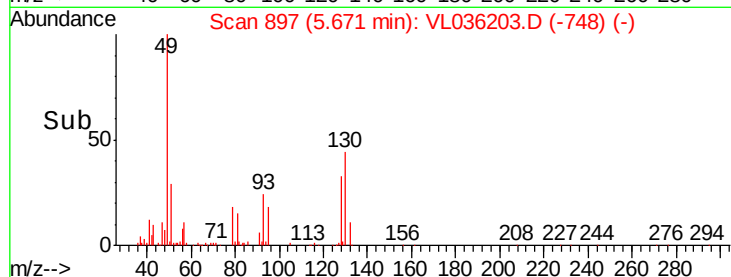
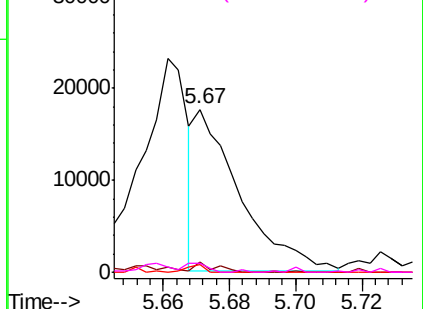


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.252 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.04 min

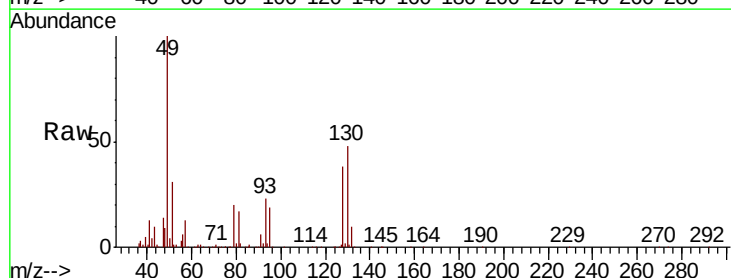
Lab File: VL036203.D

Acq: 23 Dec 2020 22:10

Tgt Ion: 57 Resp: 37012

Ion Ratio Lower Upper

57	100		
41	134.9	82.9	124.3#
43	116.3	199.9	299.9#
56	84.4	43.1	64.7#

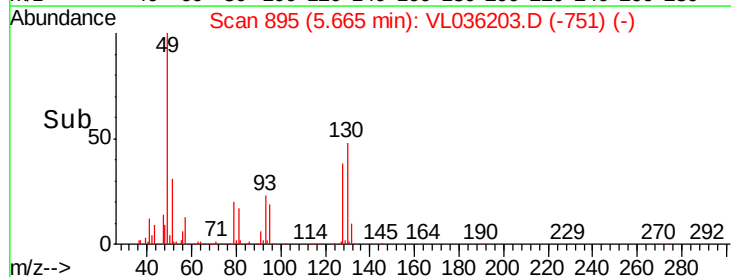
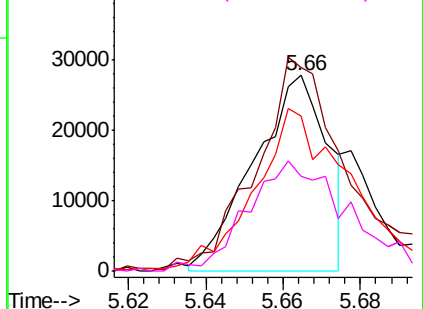


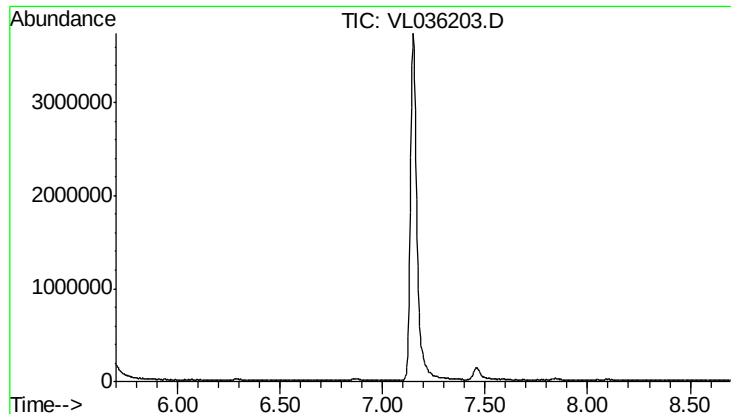
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

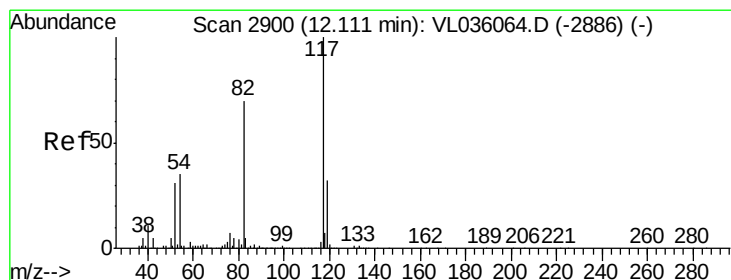
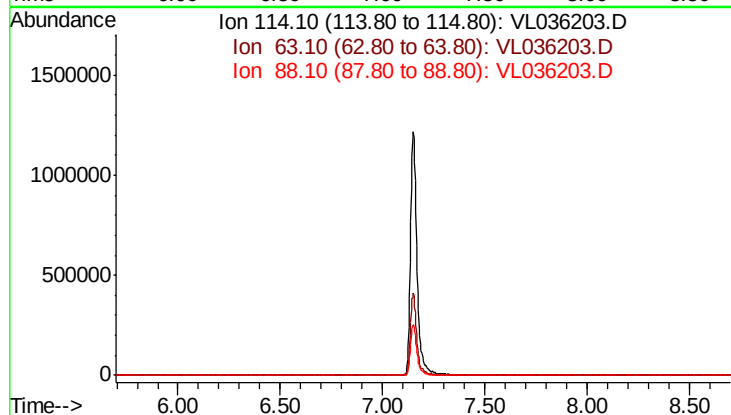




#33
 1,4-Difluorobenzene
 Concen: 0.000 ppbv
 Expected RT: 7.20 min
 Lab File: VL036203.D
 Acq: 23 Dec 2020 22:10

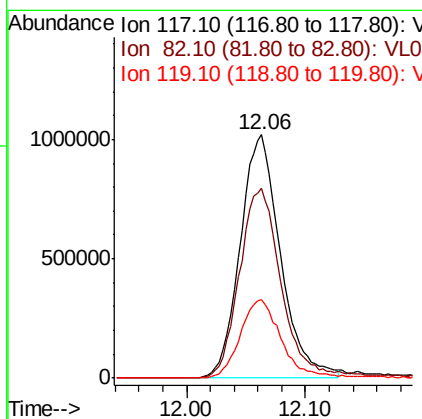
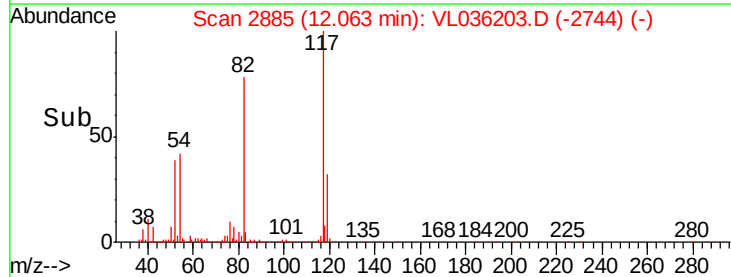
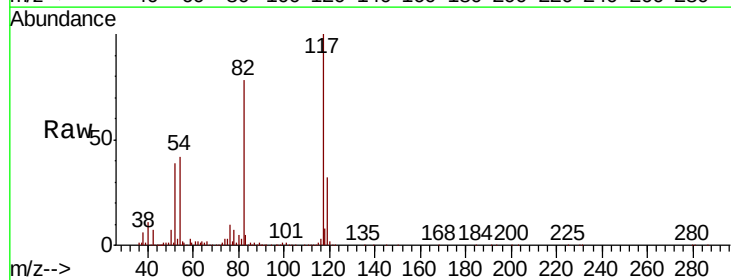
Instrument :
 MSVOA_L
 ClientSampleId :
 IIA2DL

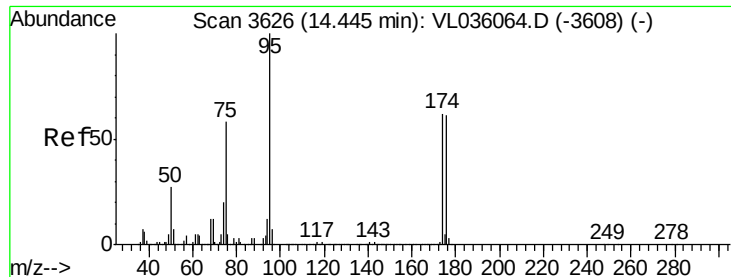
Tot Ion:	114
Sig	Exp Ratio
114	100
63	29.5
88	19.7



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T. -0.05 min
 Lab File: VL036203.D
 Acq: 23 Dec 2020 22:10

Tgt Ion:	117	Resp:	2385679
Ion	Ratio	Lower	Upper
117	100		
82	83.1	0.0	0.0#
119	33.5	0.0	0.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.989 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.05 min

Lab File: VL036203.D

Acq: 23 Dec 2020 22:10

Instrument :

MSVOA_L

ClientSampleId :

IIA2DL

Tot Ion: 95 Resp: 2081642

Ion Ratio Lower Upper

95 100

174 56.0 50.7 76.1

175 4.0 4.0 6.0

