

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035865.D
 Acq On : 5 Nov 2020 18:19
 Operator : SY/AP
 Sample : OC102820 CAN 10006
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102820 CAN 10006

Quant Time: Nov 06 00:28:47 2020
 Quant Method : Z:\VOASRV\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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1185693	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4823411	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4341546	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3100471	10.05	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

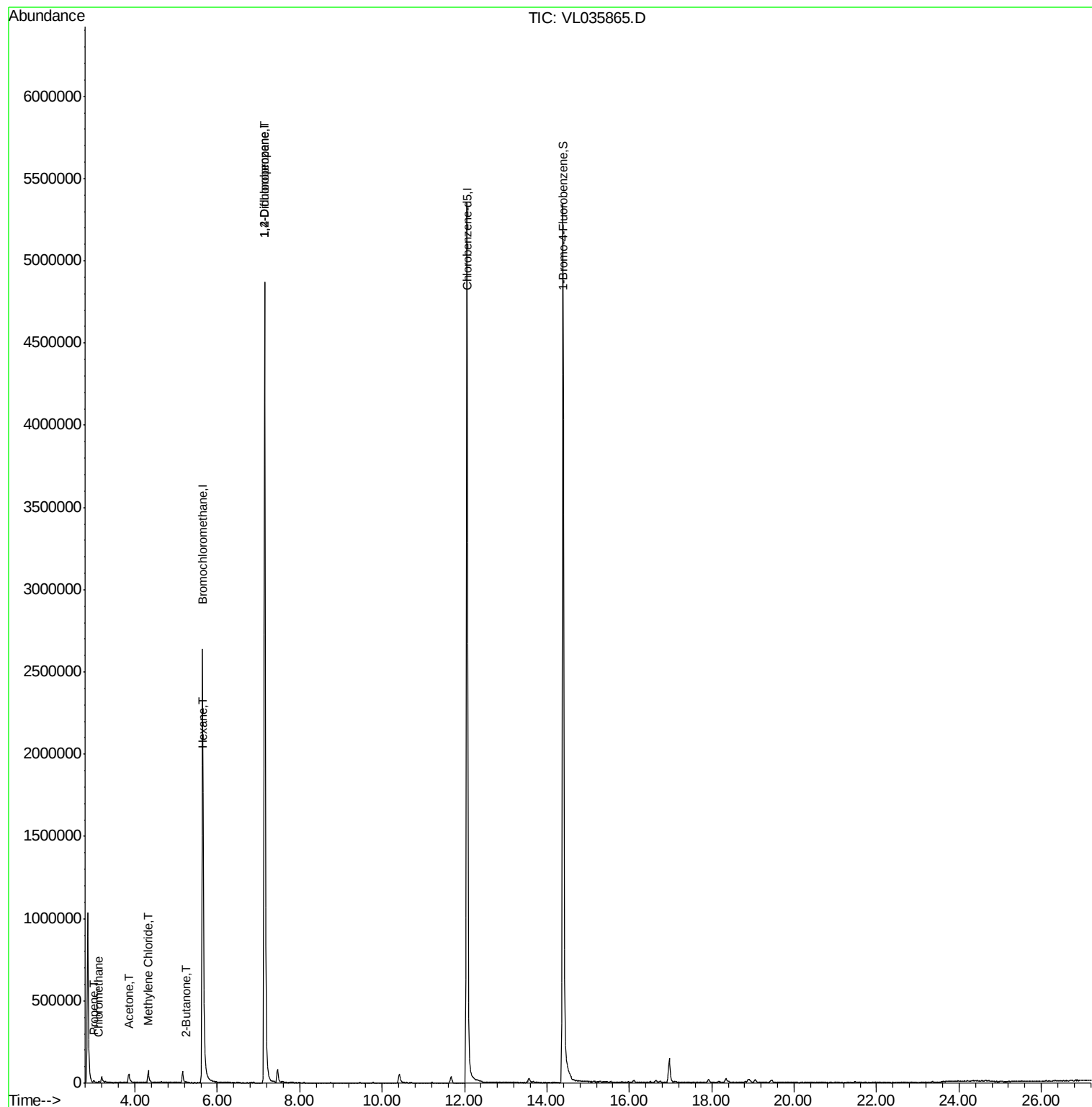
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	5094	0.074	ppbv #	80
9) Propene	3.00	41	3920	0.075	ppbv #	76
15) Acetone	3.84	43	53798	0.424	ppbv #	30
20) Methylene Chloride	4.32	84	39609	0.444	ppbv	96
26) Hexane	5.66	57	20707	0.150	ppbv #	44
34) 2-Butanone	5.24	43	5760	0.037	ppbv #	26
39) 1,2-Dichloropropane	7.15	63	915185	7.581	ppbv #	30

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL035865.D

Acq: 5 Nov 2020 18:19

Instrument :

MSVOA_L

ClientSampleId :

QC102820 CAN 10006

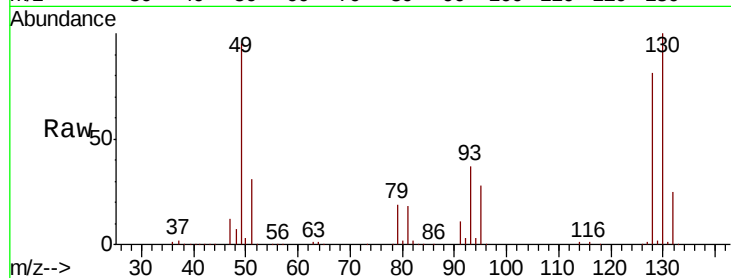
Tot Ion: 49 Resp: 1185693

Ion Ratio Lower Upper

49 100

128 83.1 41.5 124.6

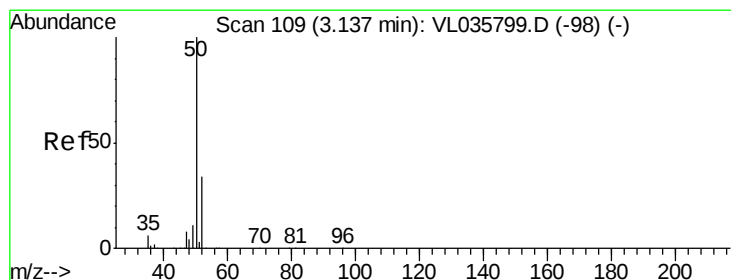
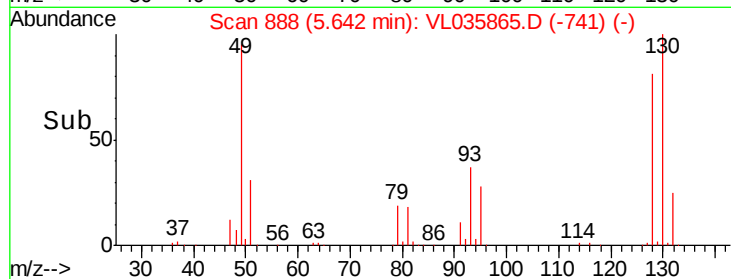
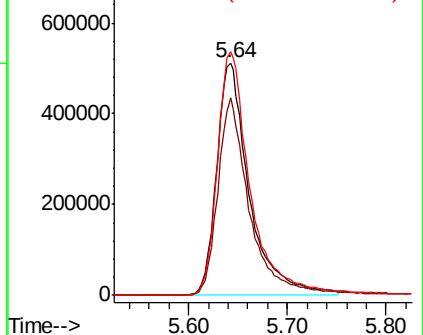
130 108.5 53.7 161.1



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



#4

Chloromethane

Concen: 0.074 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL035865.D

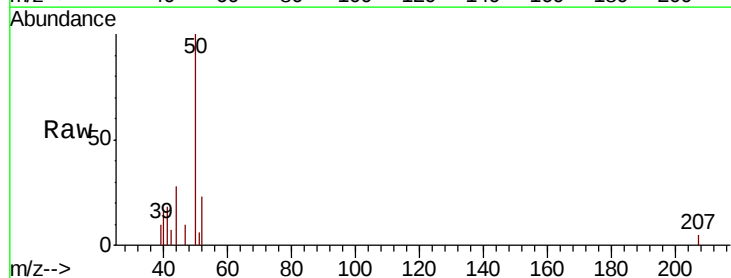
Acq: 5 Nov 2020 18:19

Tgt Ion: 50 Resp: 5094

Ion Ratio Lower Upper

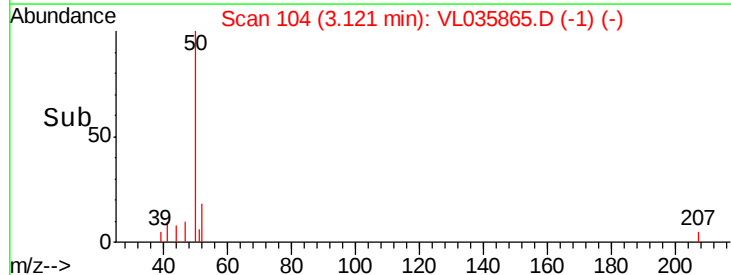
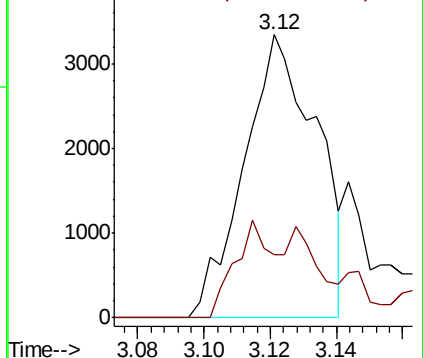
50 100

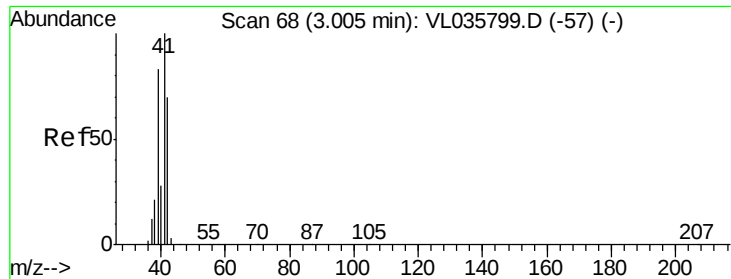
52 22.5 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.075 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035865.D

Acq: 5 Nov 2020 18:19

Instrument :

MSVOA_L

ClientSampleId :

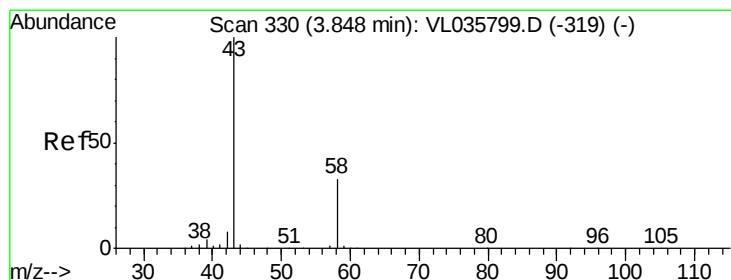
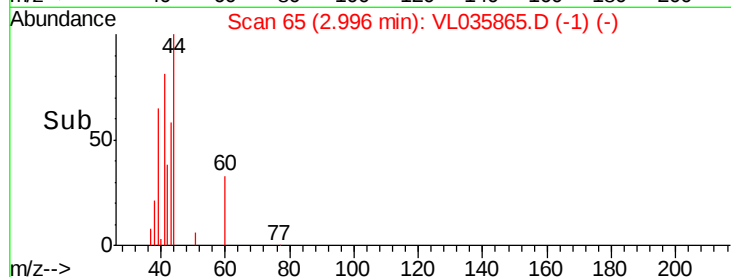
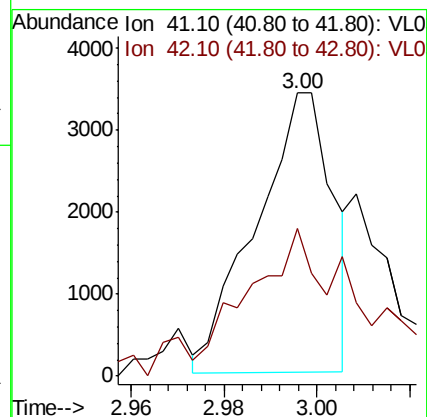
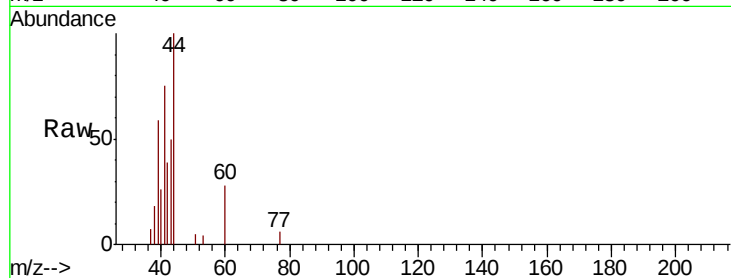
QC102820 CAN 10006

Tot Ion: 41 Resp: 3920

Ion Ratio Lower Upper

41 100

42 89.8 56.2 84.4#



#15

Acetone

Concen: 0.424 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035865.D

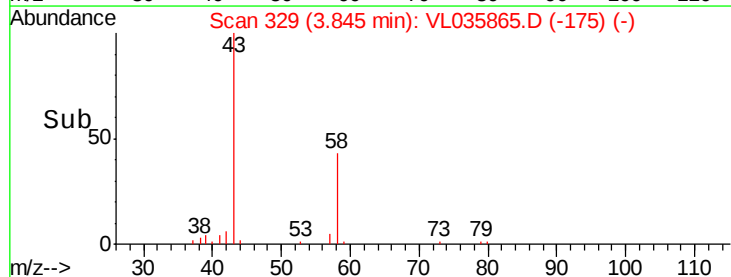
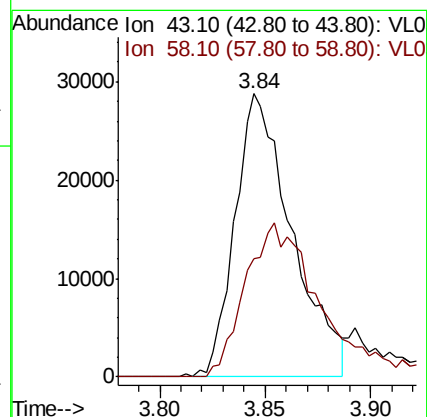
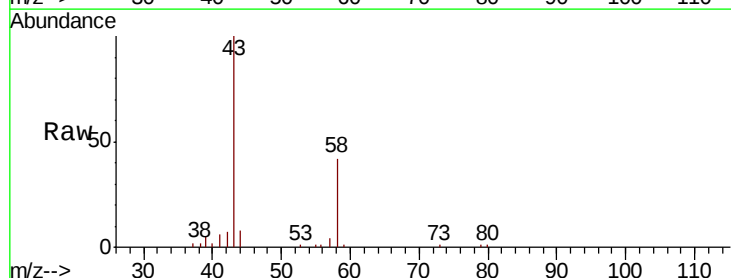
Acq: 5 Nov 2020 18:19

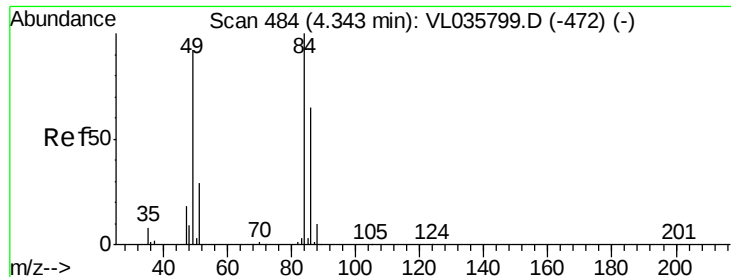
Tgt Ion: 43 Resp: 53798

Ion Ratio Lower Upper

43 100

58 74.8 27.5 41.3#

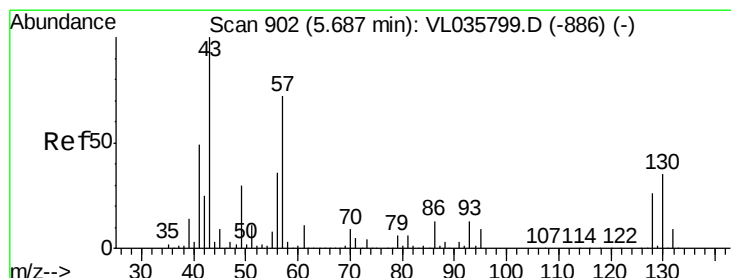
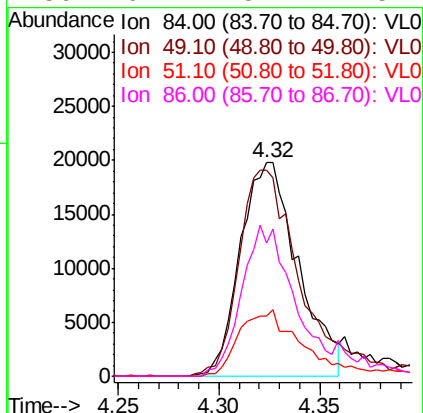
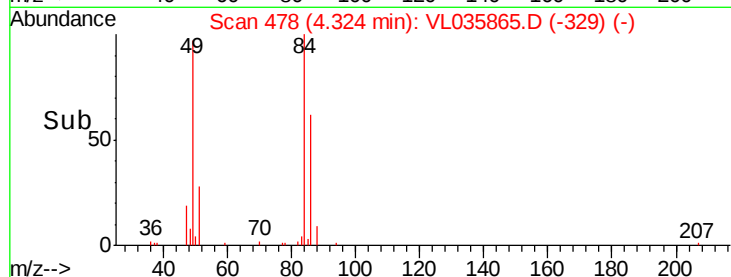
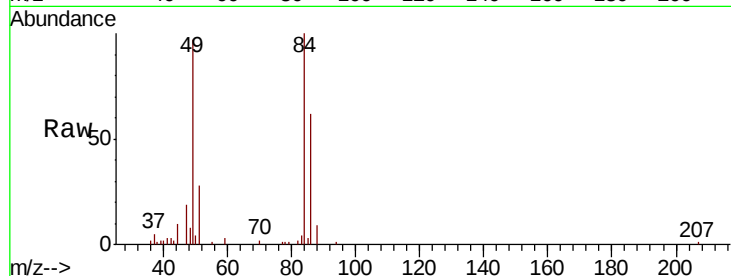




#20
Methvlene Chloride
Concen: 0.444 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL035865.D
Acq: 5 Nov 2020 18:19

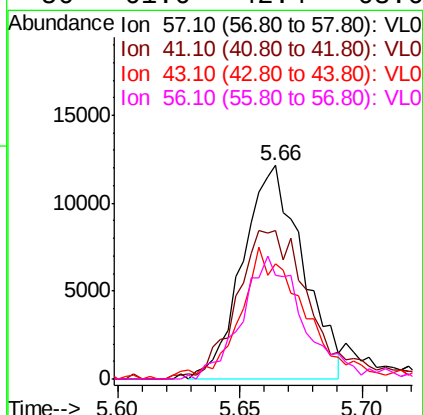
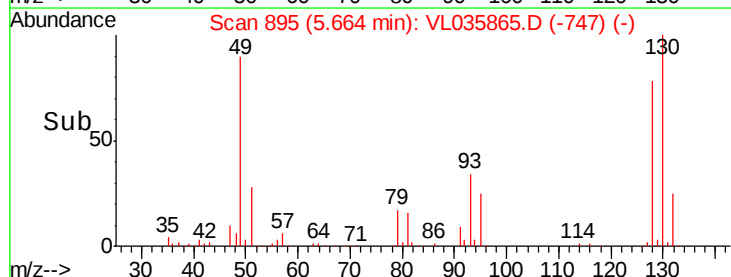
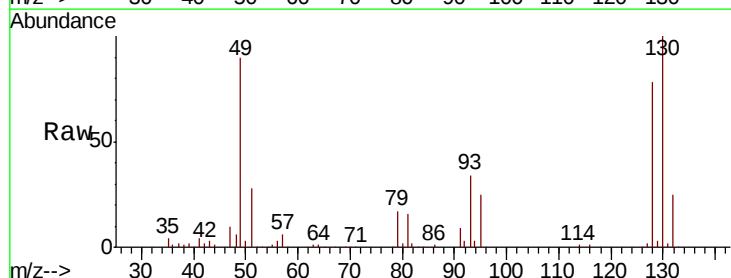
Instrument :
MSVOA_L
ClientSampleId :
QC102820 CAN 10006

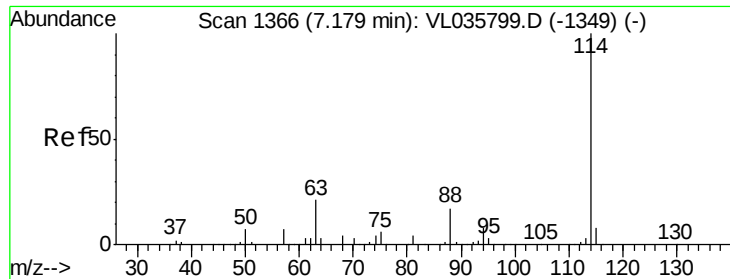
Tot Ion:	84	Resp:	39609
Ion	Ratio	Lower	Upper
84	100		
49	96.7	73.8	110.8
51	27.9	23.0	34.4
86	62.4	52.1	78.1



#26
Hexane
Concen: 0.150 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035865.D
Acq: 5 Nov 2020 18:19

Tgt Ion:	57	Resp:	20707
Ion	Ratio	Lower	Upper
57	100		
41	90.9	58.9	88.3#
43	68.5	150.2	225.2#
56	61.6	42.4	63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.03 min

Lab File: VL035865.D

Acq: 5 Nov 2020 18:19

Instrument :

MSVOA_L

ClientSampleId :

QC102820 CAN 10006

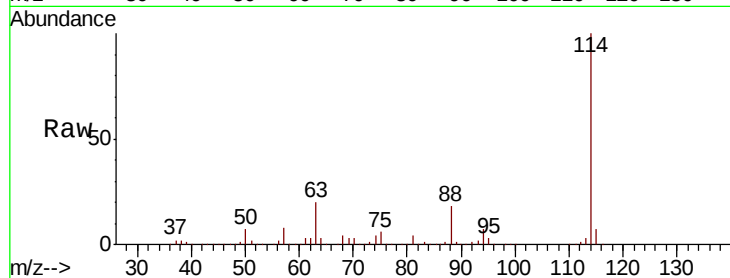
Tot Ion:114 Resp: 4823411

Ion Ratio Lower Upper

114 100

63 19.3 16.1 24.1

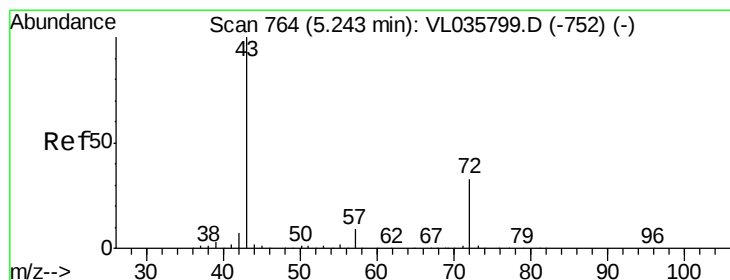
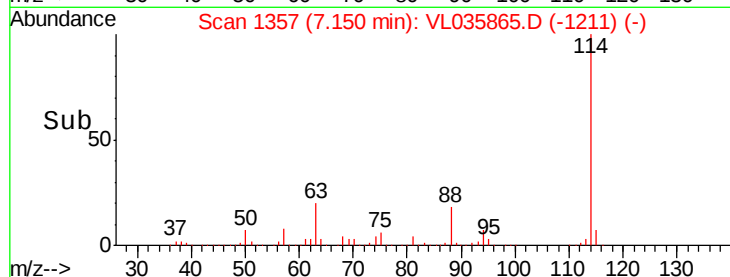
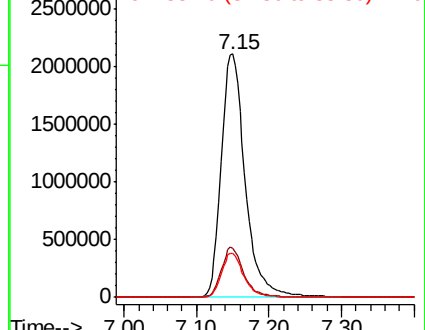
88 17.1 13.7 20.5



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



#34

2-Butanone

Concen: 0.037 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.00 min

Lab File: VL035865.D

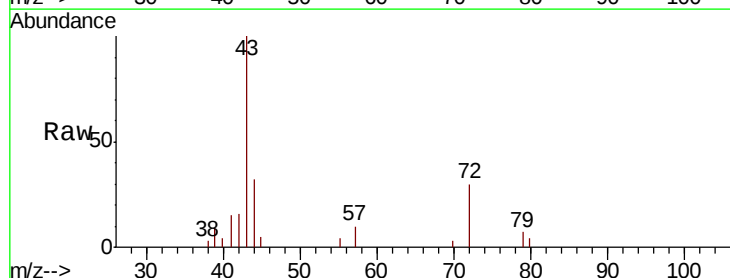
Acq: 5 Nov 2020 18:19

Tgt Ion: 43 Resp: 5760

Ion Ratio Lower Upper

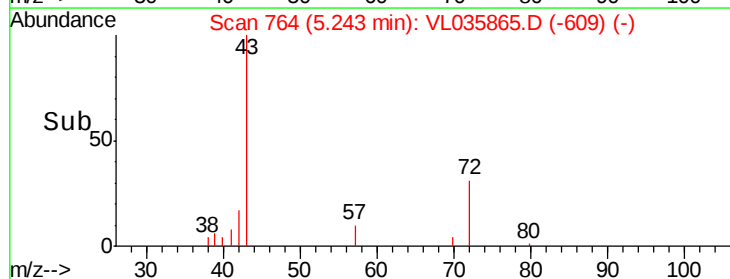
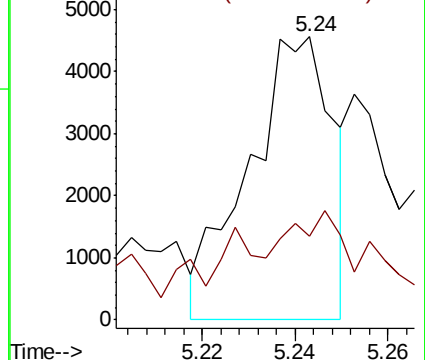
43 100

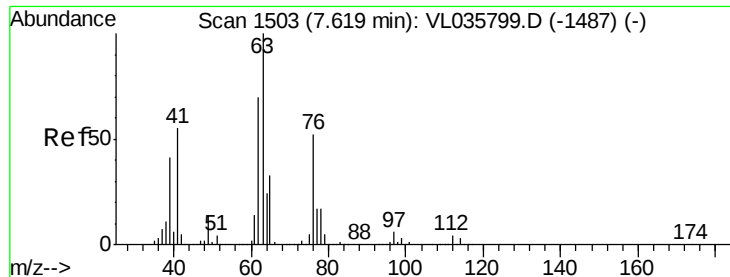
72 74.8 26.5 39.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

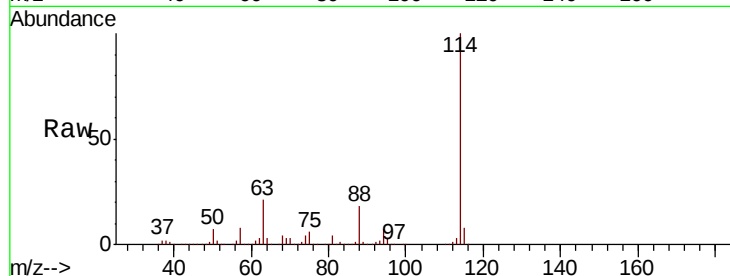




#39
 1,2-Dichloropropane
 Concen: 7.581 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.47 min
 Lab File: VL035865.D
 Acq: 5 Nov 2020 18:19

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102820 CAN 10006

Tot Ion	63	Resp	915185
Ion Ratio	Lower	Upper	
63	100		
41	0.0	43.8	65.6#
62	15.8	56.2	84.2#

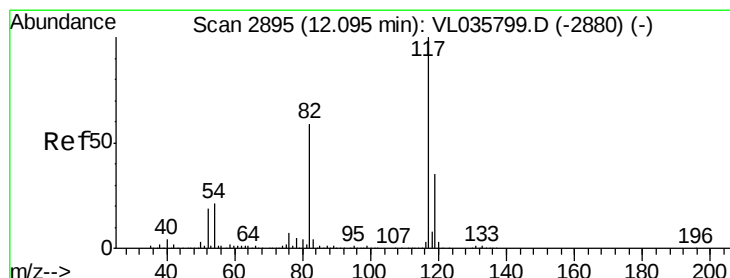
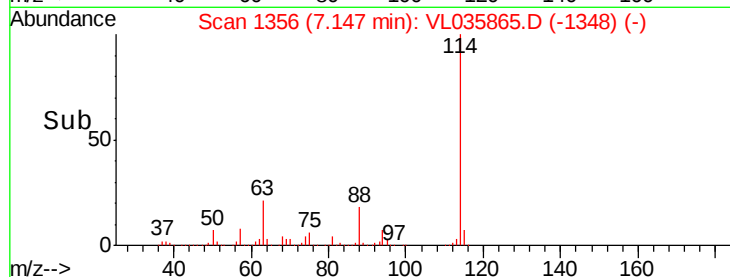
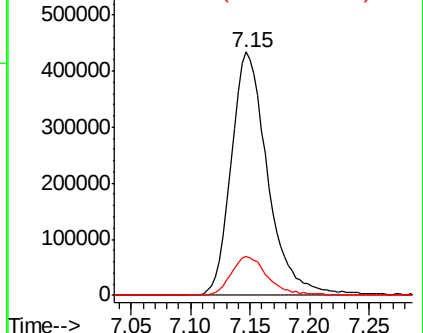


Abundance

Ion 63.10 (62.80 to 63.80): VL0

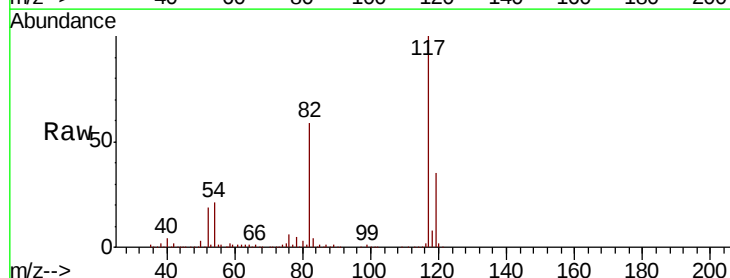
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. -0.04 min
 Lab File: VL035865.D
 Acq: 5 Nov 2020 18:19

Tgt Ion	117	Resp	4341546
Ion Ratio	Lower	Upper	
117	100		
82	58.2	50.6	76.0
119	34.4	52.6	78.8#

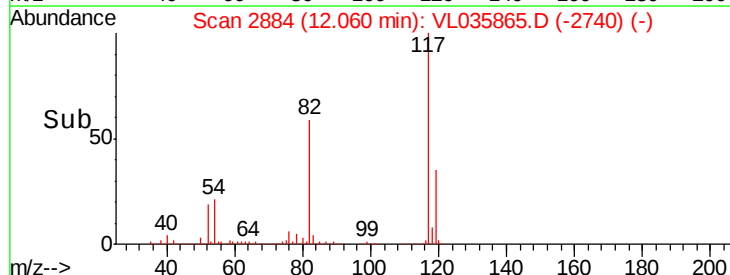
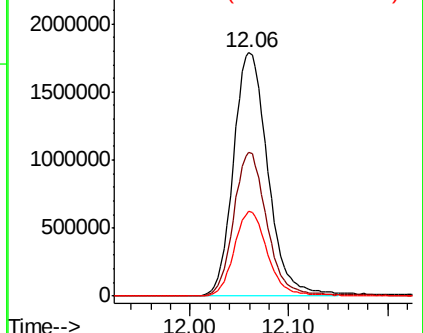


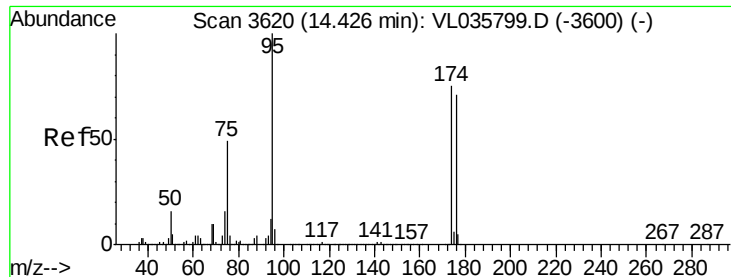
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.052 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL035865.D

Acq: 5 Nov 2020 18:19

Instrument :

MSVOA_L

ClientSampleId :

QC102820 CAN 10006

Tot Ion: 95 Resp: 3100471

Ion Ratio Lower Upper

95 100

174 75.0 59.8 89.6

175 5.3 4.3 6.5

