

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035870.D
 Acq On : 5 Nov 2020 21:41
 Operator : SY/AP
 Sample : L4220-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Nov 06 00:29:48 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	998856	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3698220	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3401677	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2454418	10.16	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

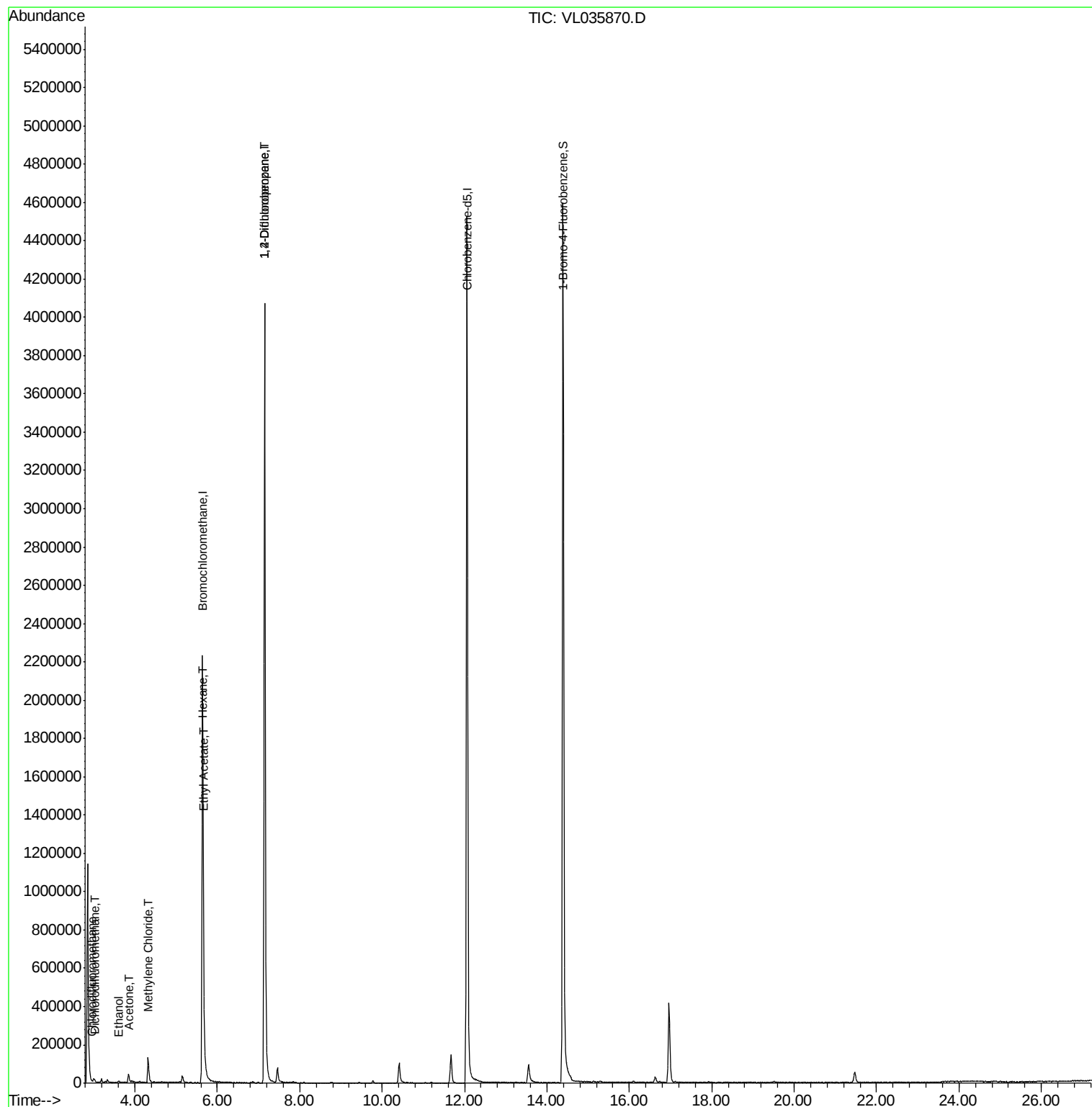
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	10746	0.057	ppbv	99
3) Chlorodifluoromethane	2.96	51	7622	0.064	ppbv #	82
13) Ethanol	3.59	45	3320	0.350	ppbv #	35
15) Acetone	3.84	43	49629	0.465	ppbv #	76
20) Methylene Chloride	4.32	84	71478	0.951	ppbv	97
25) Ethyl Acetate	5.67	43	20053	0.095	ppbv #	75
26) Hexane	5.66	57	29607	0.255	ppbv #	45
39) 1,2-Dichloropropane	7.15	63	743338	8.031	ppbv #	31

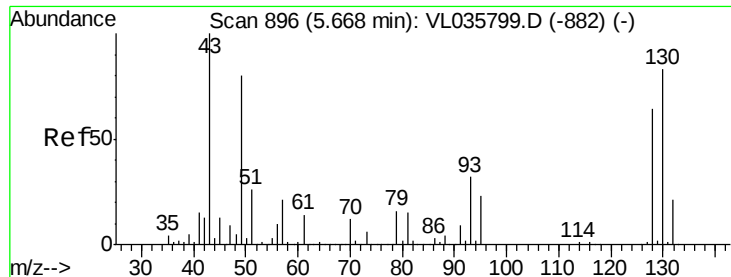
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035870.D

Acq: 5 Nov 2020 21:41

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

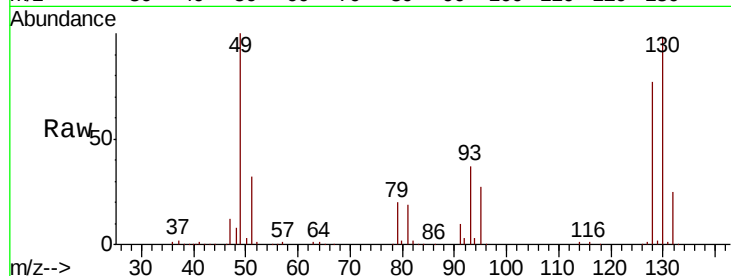
Tot Ion: 49 Resp: 998856

Ion Ratio Lower Upper

49 100

128 79.9 41.5 124.6

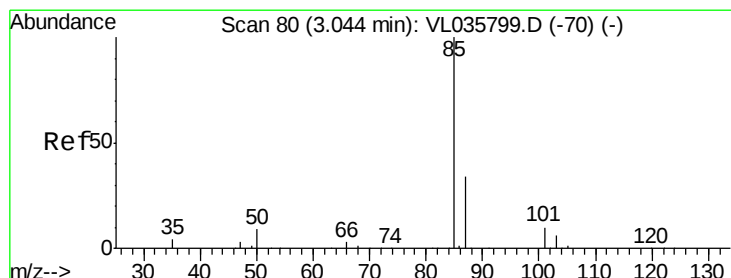
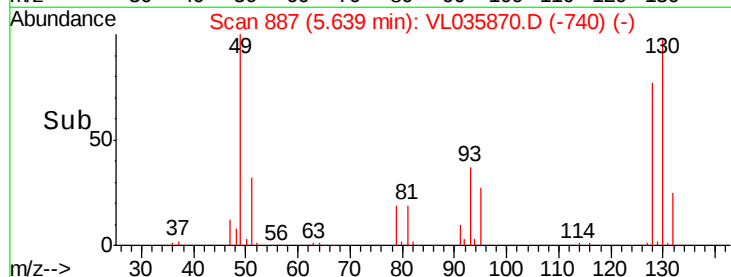
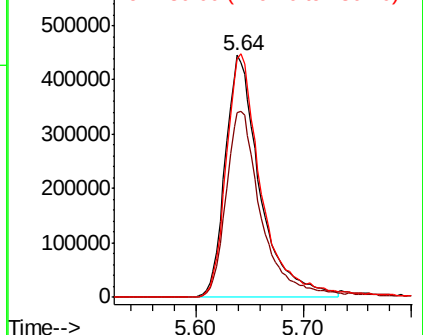
130 103.8 53.7 161.1



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: 0.057 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035870.D

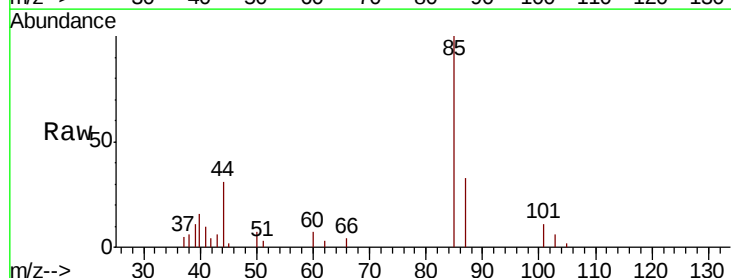
Acq: 5 Nov 2020 21:41

Tgt Ion: 85 Resp: 10746

Ion Ratio Lower Upper

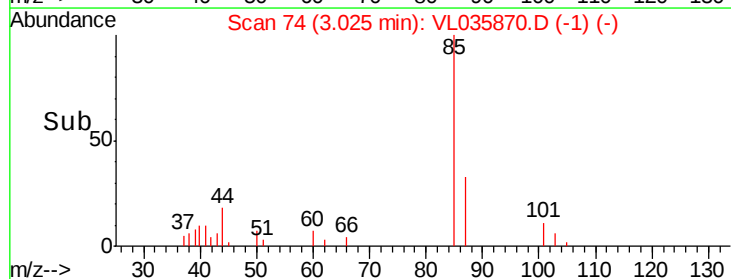
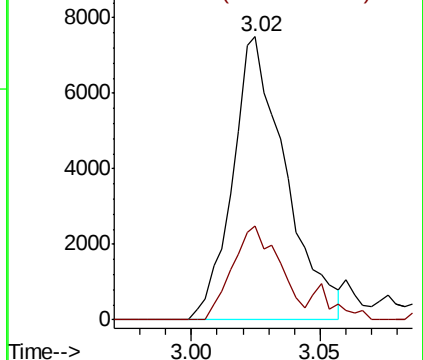
85 100

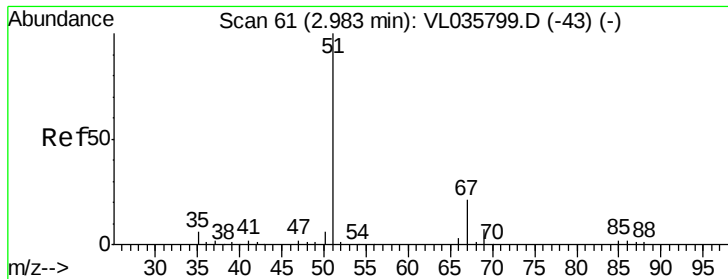
87 33.1 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.064 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL035870.D

Acq: 5 Nov 2020 21:41

Instrument :

MSVOA_L

ClientSampleId :

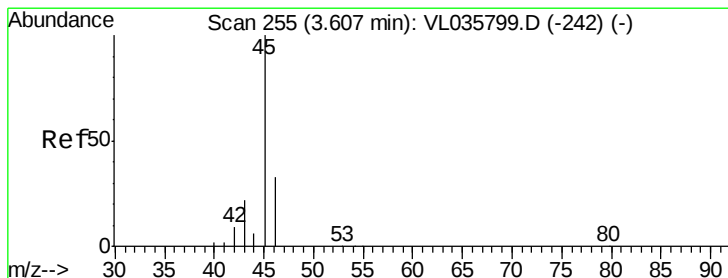
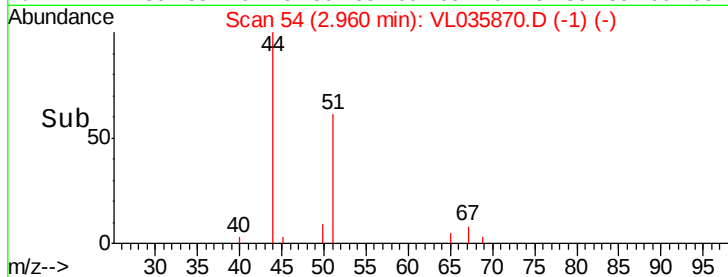
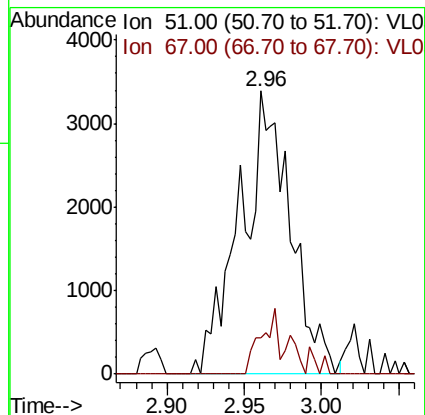
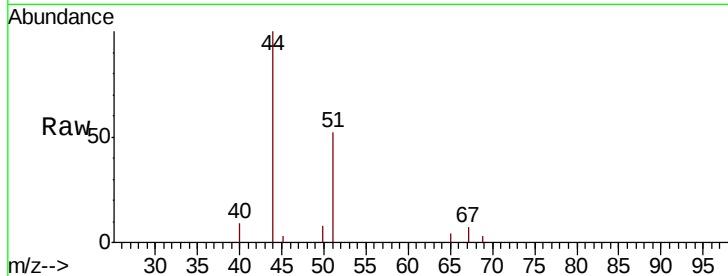
QA1DL

Tot Ion: 51 Resp: 7622

Ion Ratio Lower Upper

51 100

67 12.7 17.0 25.4#



#13

Ethanol

Concen: 0.350 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035870.D

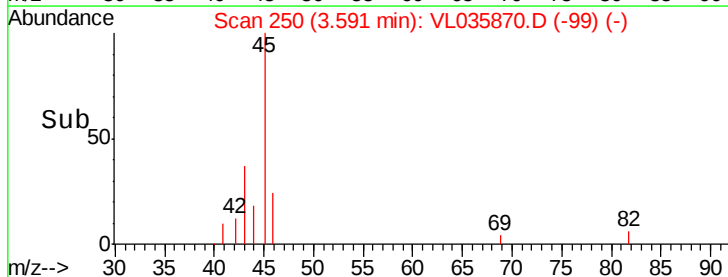
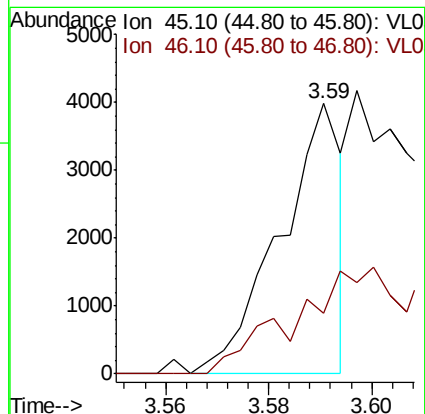
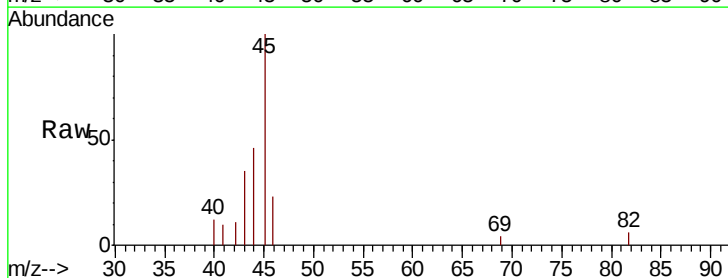
Acq: 5 Nov 2020 21:41

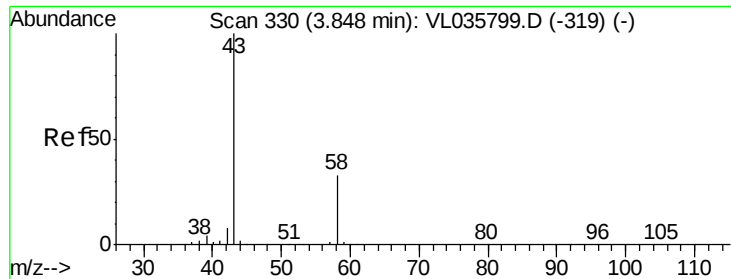
Tgt Ion: 45 Resp: 3320

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#





#15

Acetone

Concen: 0.465 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035870.D

Acq: 5 Nov 2020 21:41

Instrument :

MSVOA_L

ClientSampleId :

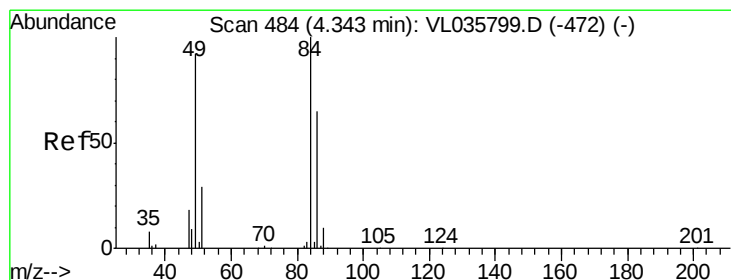
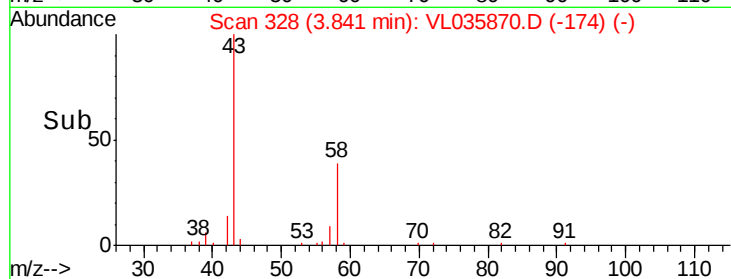
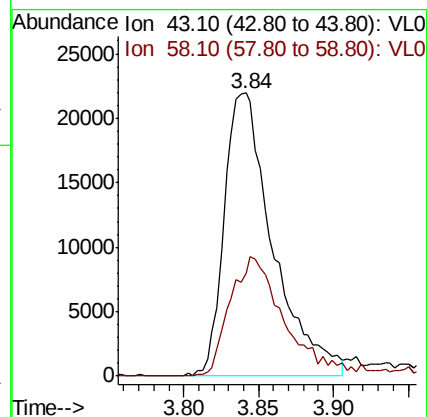
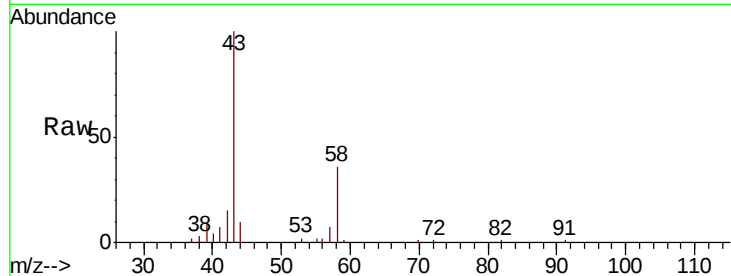
QA1DL

Tot Ion: 43 Resp: 49629

Ion Ratio Lower Upper

43 100

58 48.5 27.5 41.3#



#20

Methylene Chloride

Concen: 0.951 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035870.D

Acq: 5 Nov 2020 21:41

Tgt Ion: 84 Resp: 71478

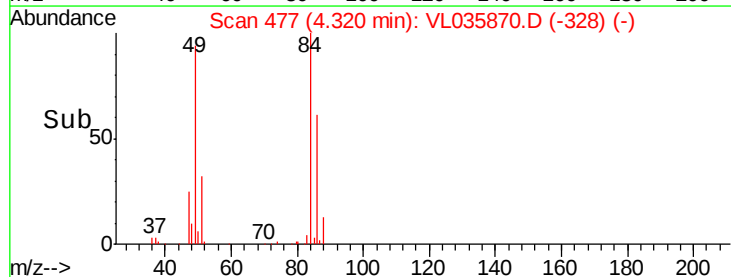
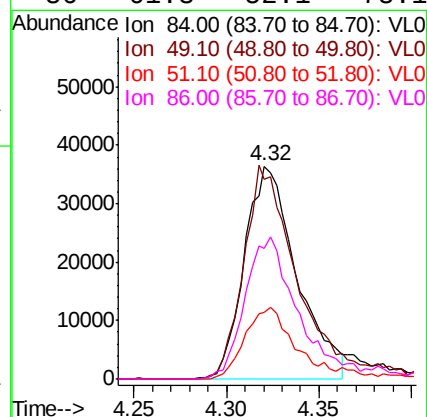
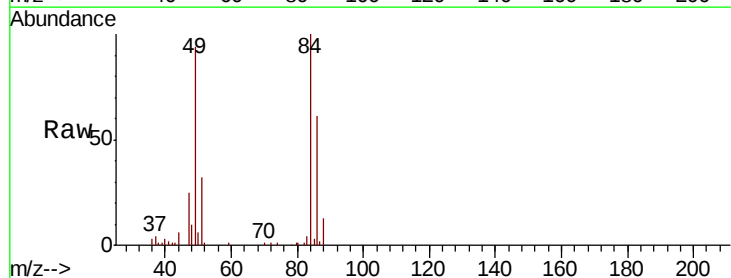
Ion Ratio Lower Upper

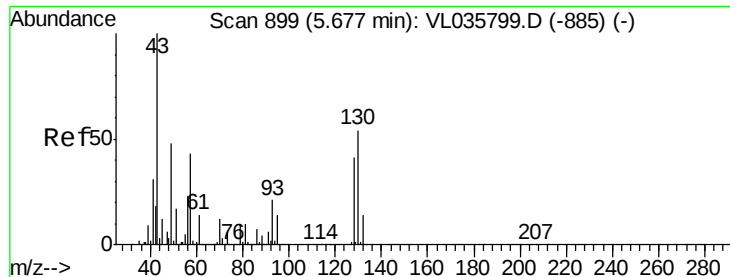
84 100

49 93.8 73.8 110.8

51 31.6 23.0 34.4

86 61.3 52.1 78.1

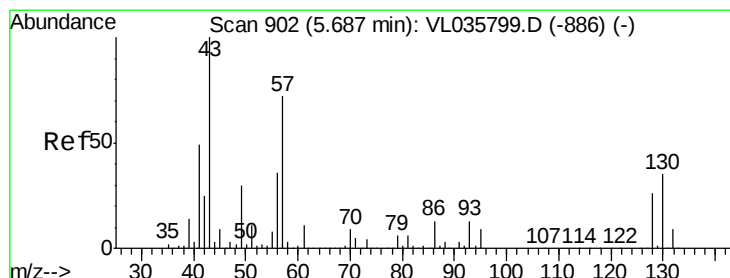
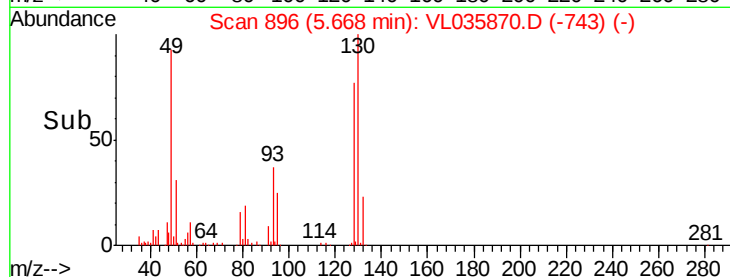
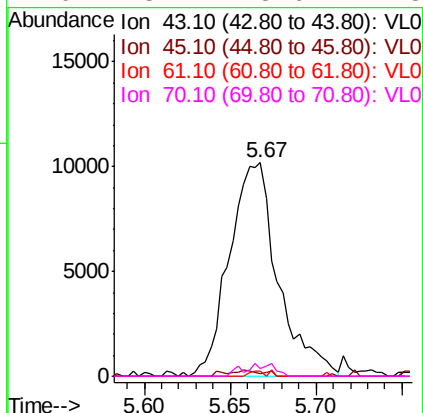
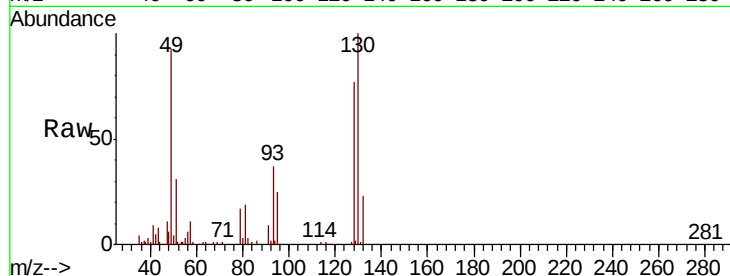




#25
Ethyl Acetate
Concen: 0.095 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035870.D
Acq: 5 Nov 2020 21:41

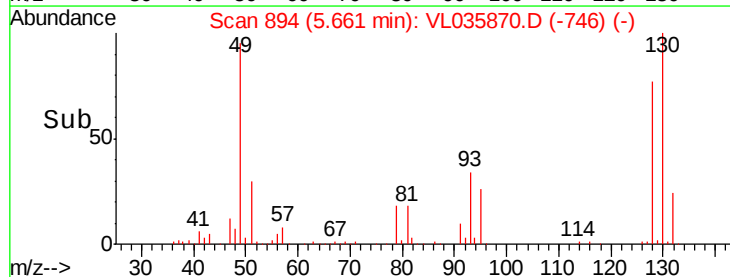
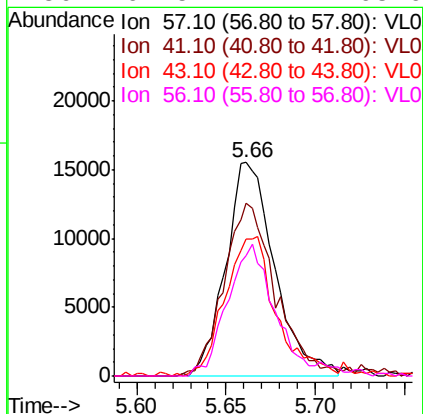
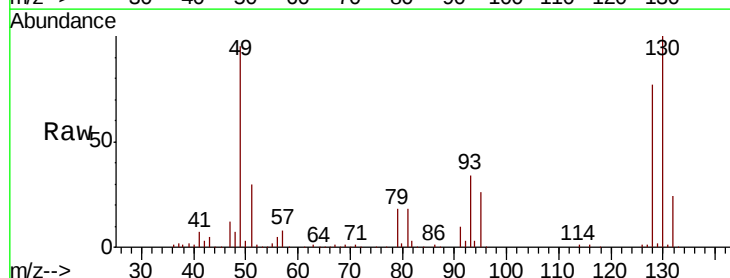
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

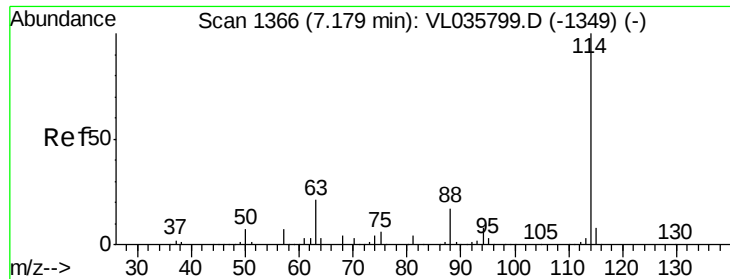
Tot Ion:	43	Resp:	20053
Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.5	12.7#
61	1.0	10.7	16.1#
70	3.7	8.6	12.8#



#26
Hexane
Concen: 0.255 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL035870.D
Acq: 5 Nov 2020 21:41

Tgt Ion:	57	Resp:	29607
Ion	Ratio	Lower	Upper
57	100		
41	88.5	58.9	88.3#
43	70.3	150.2	225.2#
56	62.5	42.4	63.6

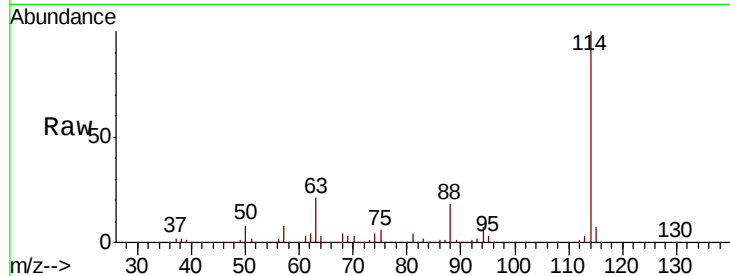




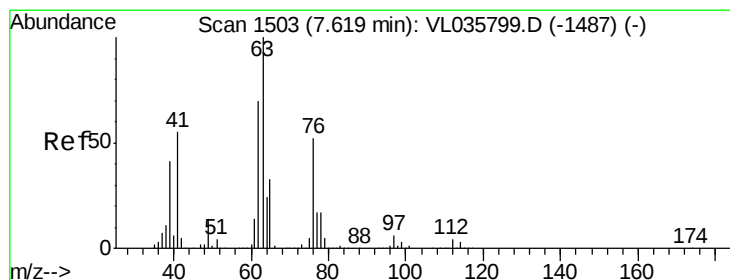
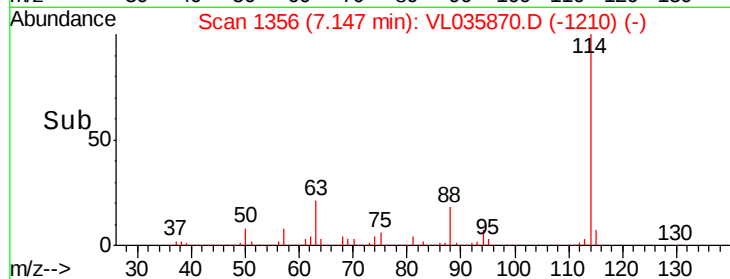
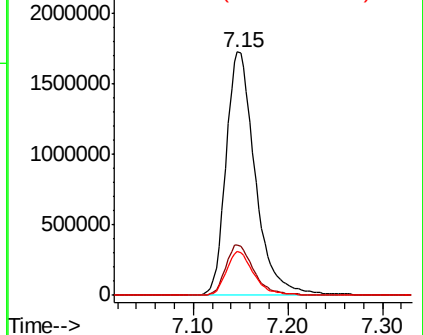
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL035870.D
 Acq: 5 Nov 2020 21:41

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tot Ion:114 Resp: 3698220
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.1 24.1
 88 17.2 13.7 20.5

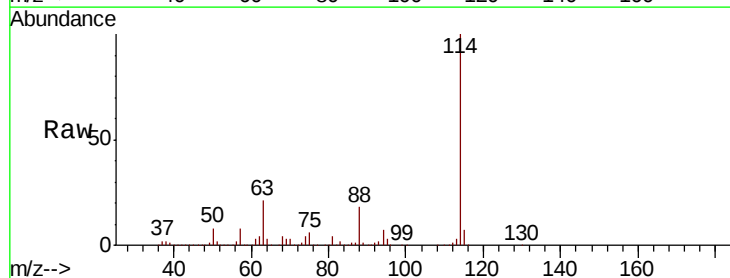


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

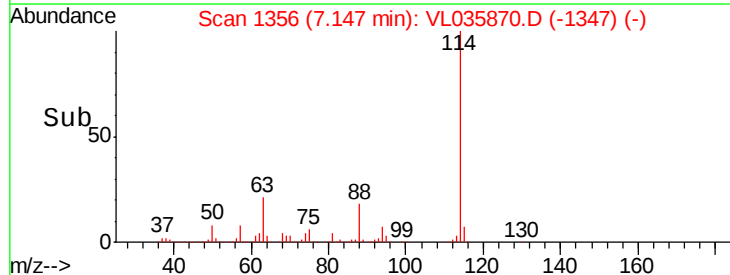
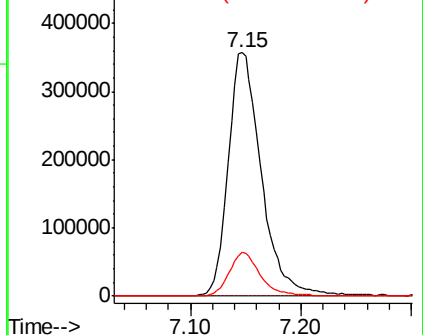


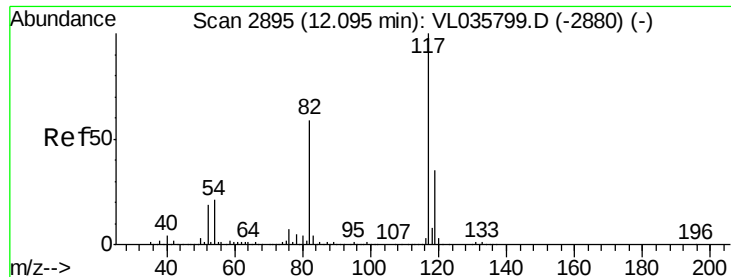
#39
 1,2-Dichloropropane
 Concen: 8.031 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.47 min
 Lab File: VL035870.D
 Acq: 5 Nov 2020 21:41

Tgt Ion: 63 Resp: 743338
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 18.1 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: VL035870.D

Acq: 5 Nov 2020 21:41

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

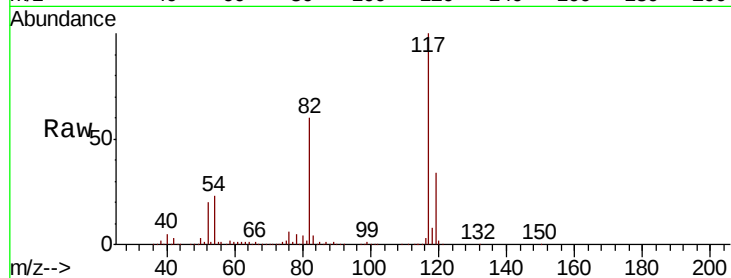
Tot Ion:117 Resp: 3401677

Ion Ratio Lower Upper

117 100

82 60.1 50.6 76.0

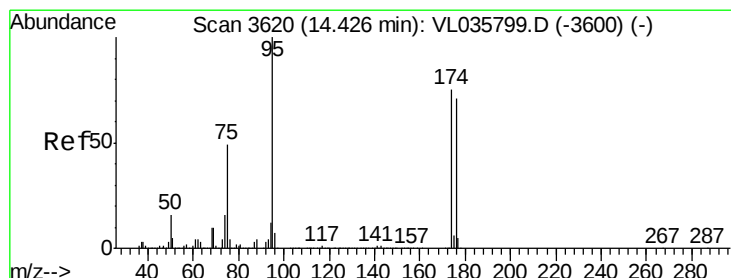
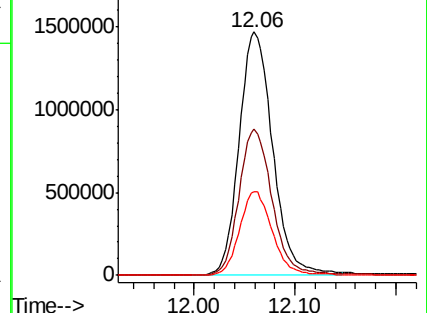
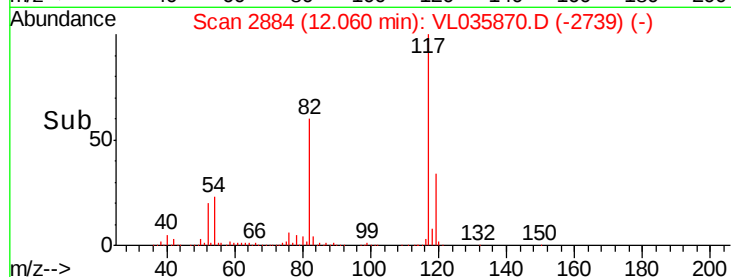
119 34.1 52.6 78.8#



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: 10.156 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL035870.D

Acq: 5 Nov 2020 21:41

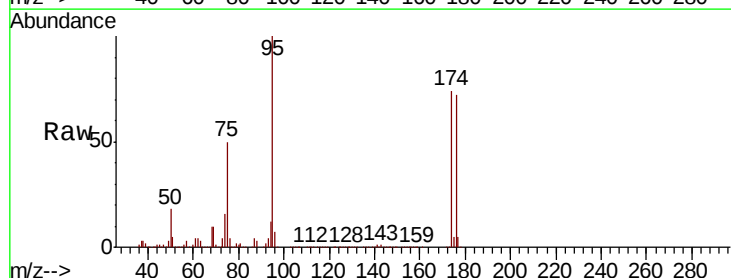
Tgt Ion: 95 Resp: 2454418

Ion Ratio Lower Upper

95 100

174 75.1 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

