

Data File : VL034588.D
Acq On : 4 Feb 2020 20:32
Operator : SY/AP
Sample : L1357-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Quant Time: Feb 05 05:45:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	969094	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1974335	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2032366	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1739951	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

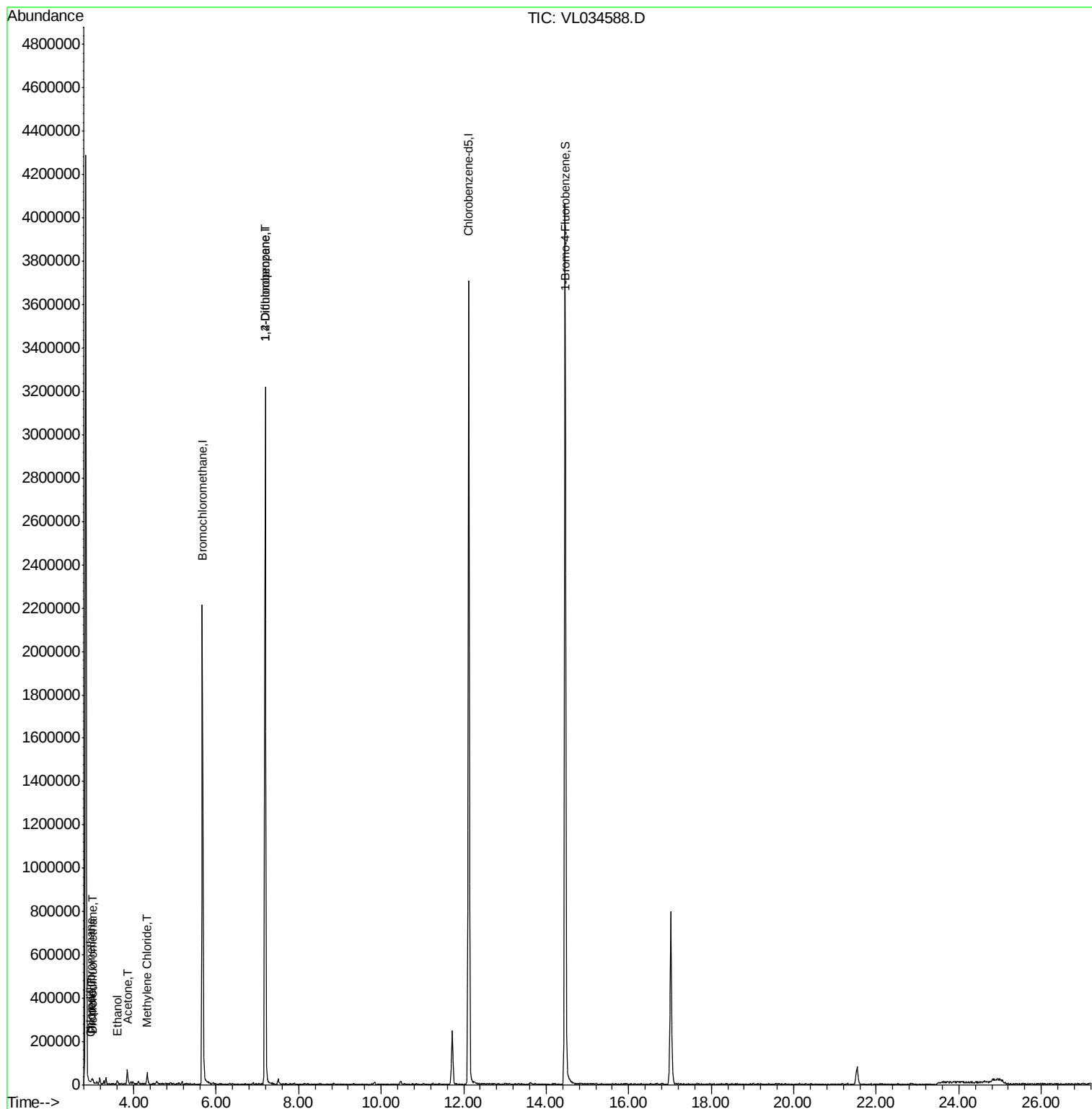
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	10602	0.050	ppbv	98
3) Chlorodifluoromethane	2.96	51	8379	0.072	ppbv #	88
9) Propene	2.98	41	2064	0.045	ppbv #	14
13) Ethanol	3.59	45	5314	0.435	ppbv #	1
15) Acetone	3.84	43	52280	0.367	ppbv	92
20) Methylene Chloride	4.33	84	12356	0.228	ppbv #	83
39) 1,2-Dichloropropane	7.19	63	591769	8.130	ppbv #	20

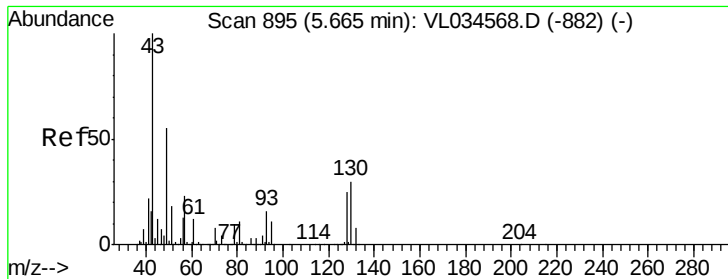
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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ClientSampleId :

AA-1DL

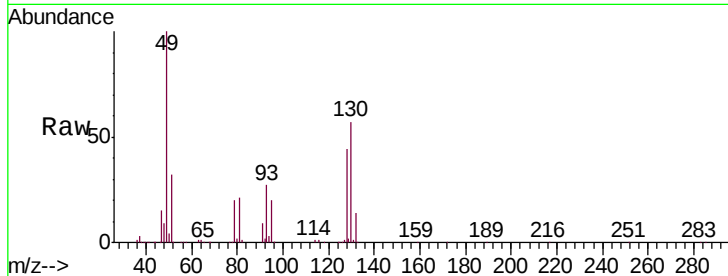
Tgt Ion: 49 Resp: 969094

Ion Ratio Lower Upper

49 100

128 45.7 22.7 68.1

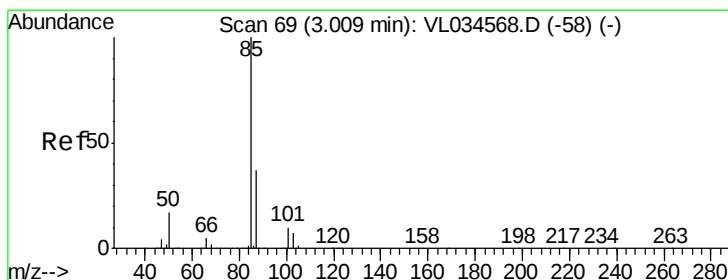
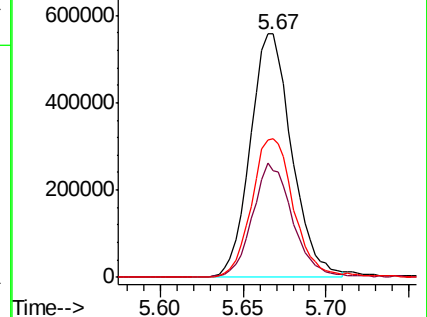
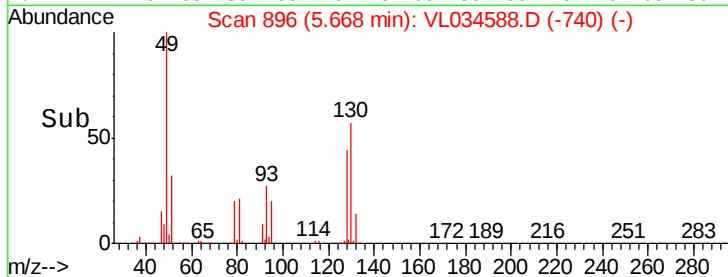
130 58.2 28.6 85.8



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: 0.050 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL034588.D

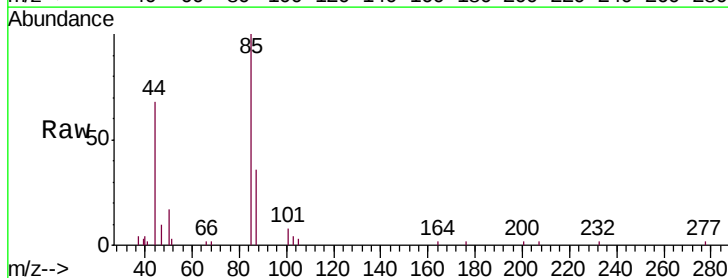
Acq: 4 Feb 2020 20:32

Tgt Ion: 85 Resp: 10602

Ion Ratio Lower Upper

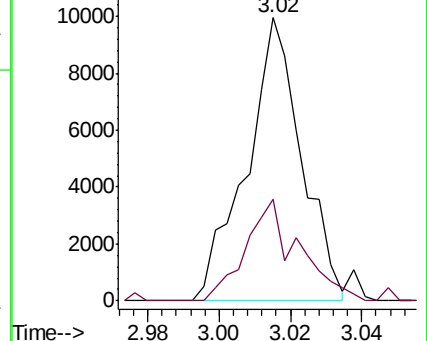
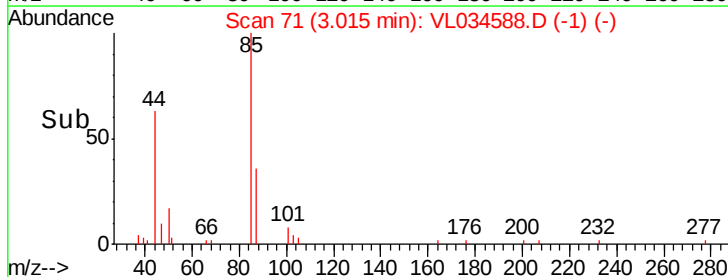
85 100

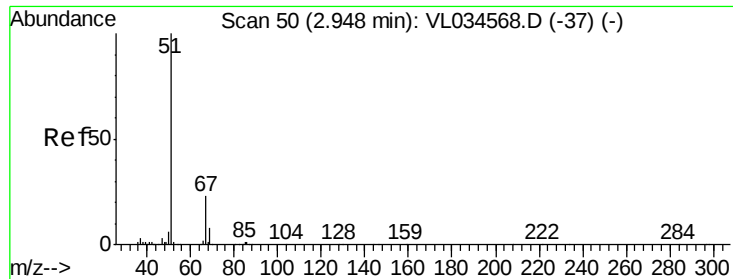
87 35.8 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.072 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.01 min

Lab File: VL034588.D

Acq: 4 Feb 2020 20:32

Instrument :

MSVOA_L

ClientSampleId :

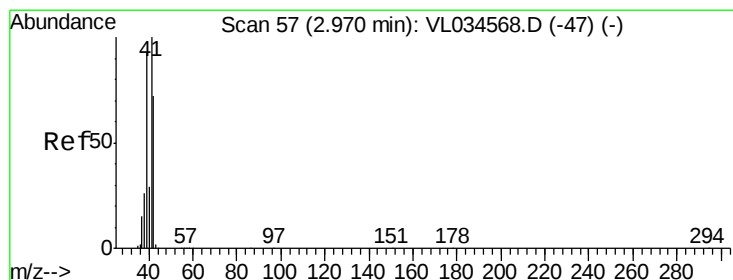
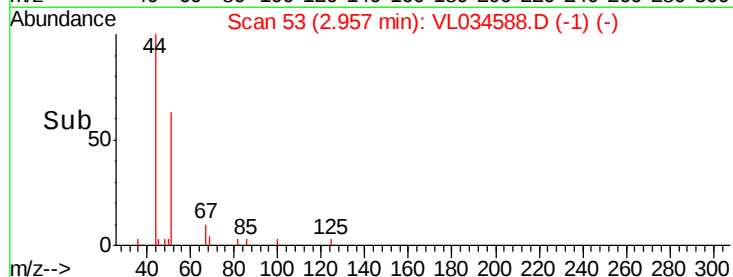
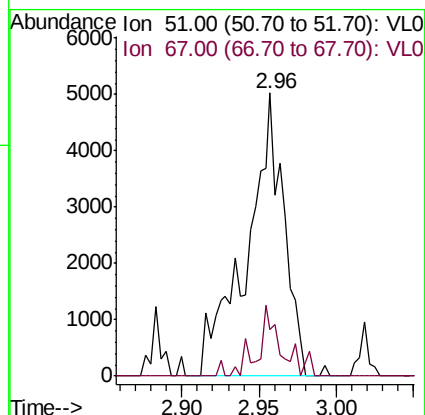
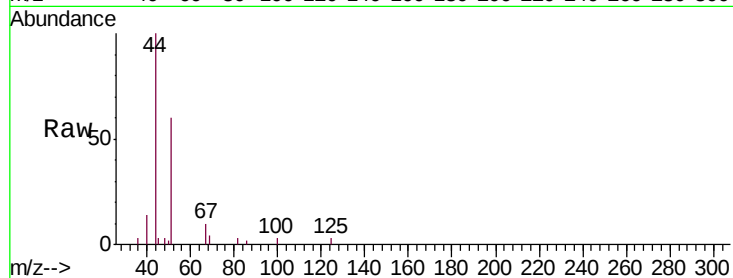
AA-1DL

Tgt Ion: 51 Resp: 8379

Ion Ratio Lower Upper

51 100

67 16.4 17.8 26.8#



#9

Propene

Concen: 0.045 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034588.D

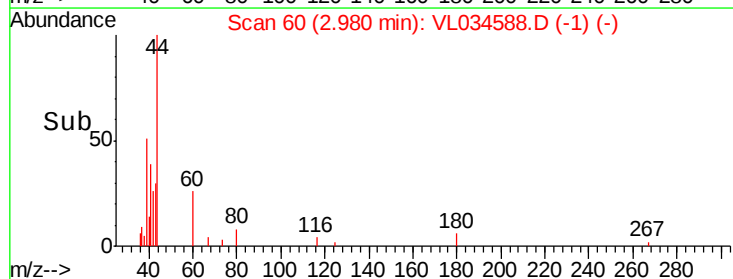
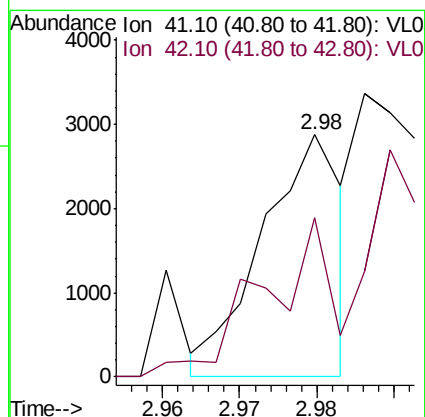
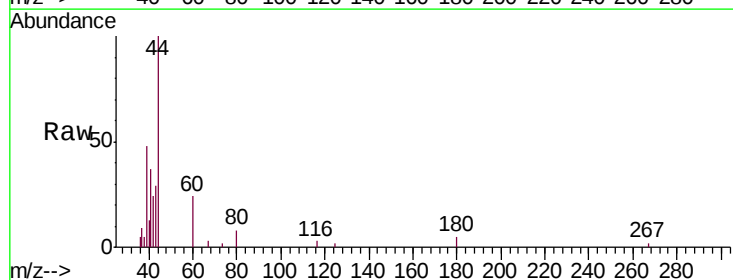
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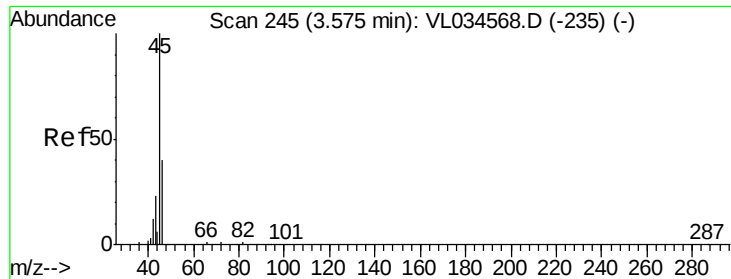
Tgt Ion: 41 Resp: 2064

Ion Ratio Lower Upper

41 100

42 0.0 57.0 85.4#

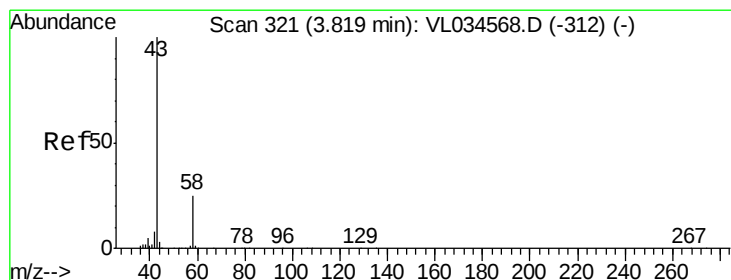
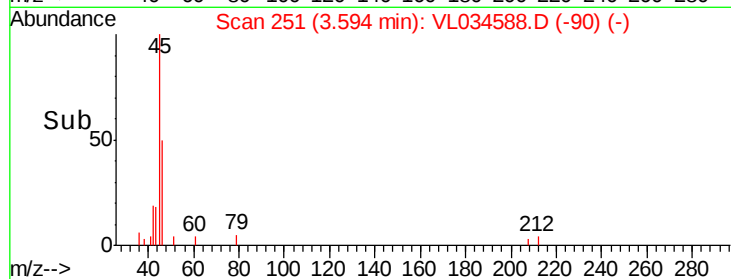
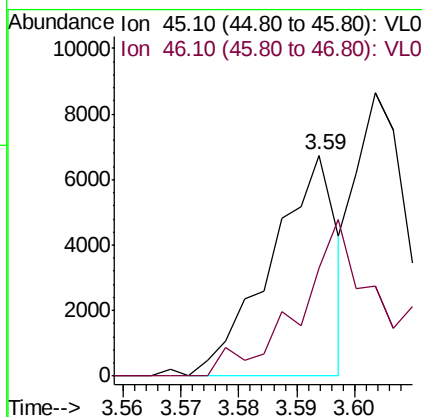
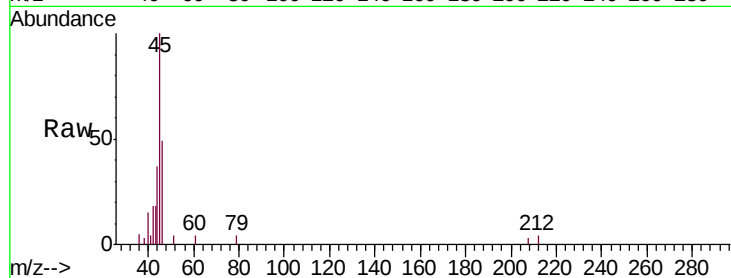




#13
Ethanol
Concen: 0.435 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL034588.D
Acq: 4 Feb 2020 20:32

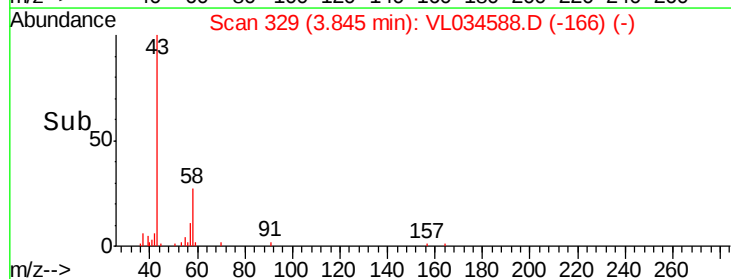
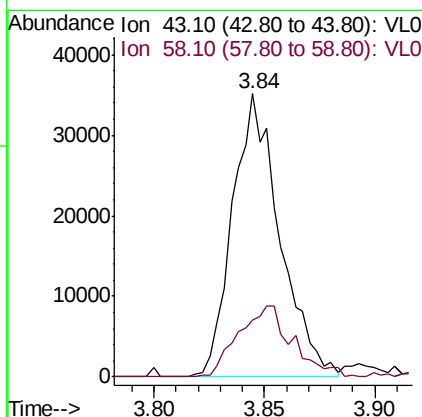
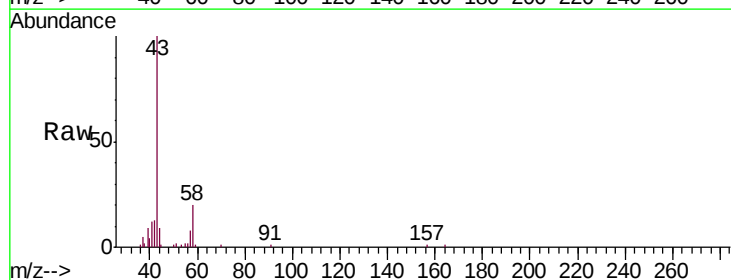
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

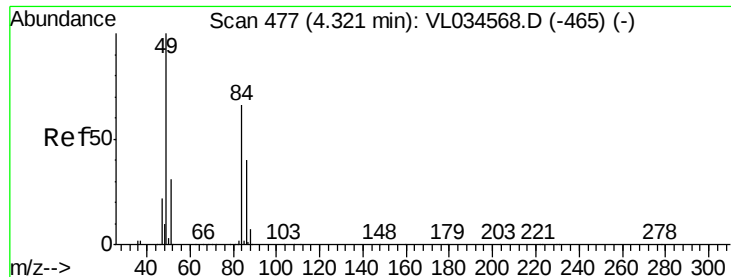
Tgt Ion: 45 Resp: 5314
Ion Ratio Lower Upper
45 100
46 110.4 14.8 59.2#



#15
Acetone
Concen: 0.367 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.03 min
Lab File: VL034588.D
Acq: 4 Feb 2020 20:32

Tgt Ion: 43 Resp: 52280
Ion Ratio Lower Upper
43 100
58 29.5 20.3 30.5

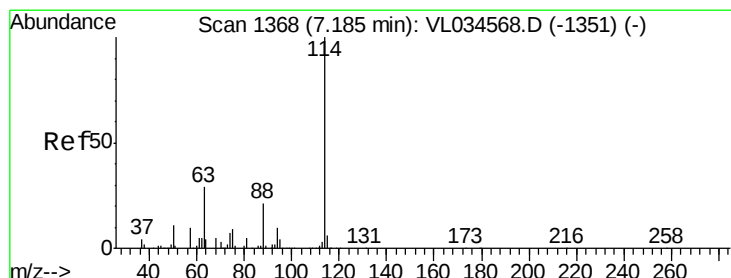
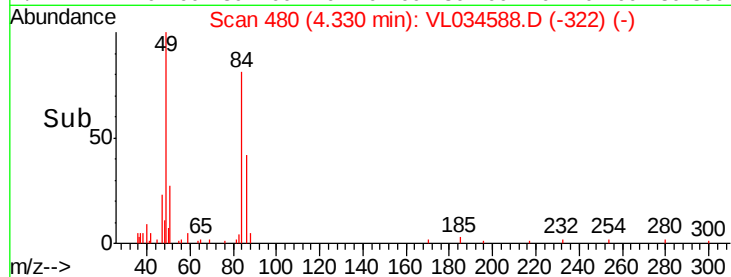
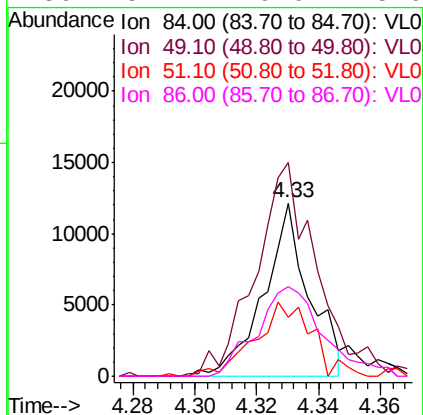
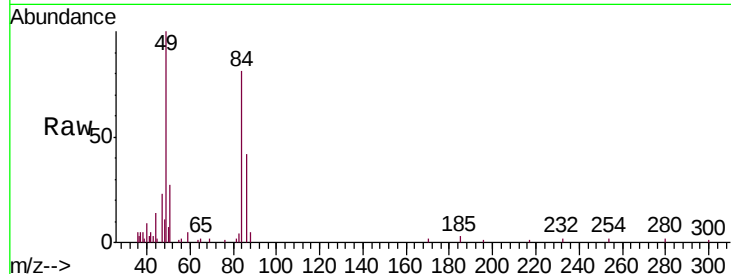




#20
Methylene Chloride
Concen: 0.228 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034588.D
Acq: 4 Feb 2020 20:32

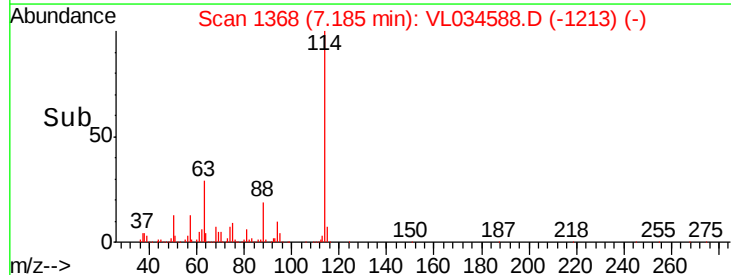
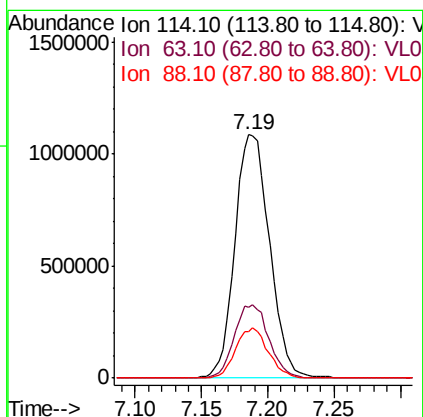
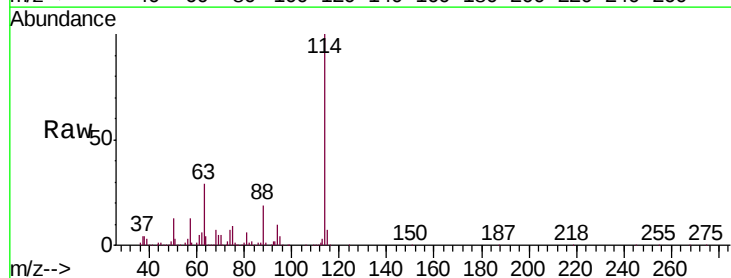
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

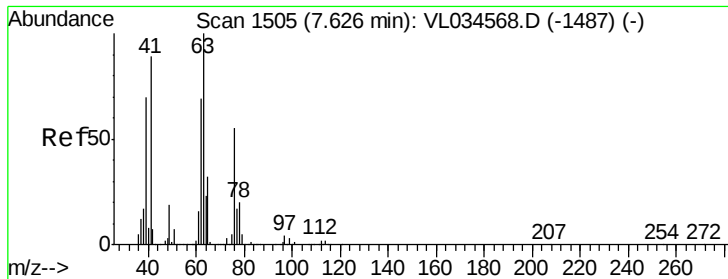
Tgt Ion:	84	Resp:	12356
Ion	Ratio	Lower	Upper
84	100		
49	130.9	122.4	183.6
51	33.8	38.6	57.8#
86	52.1	49.0	73.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VL034588.D
Acq: 4 Feb 2020 20:32

Tgt Ion:	114	Resp:	1974335
Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	19.6	15.9	23.9

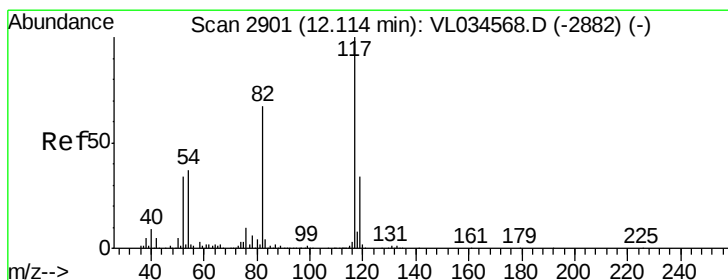
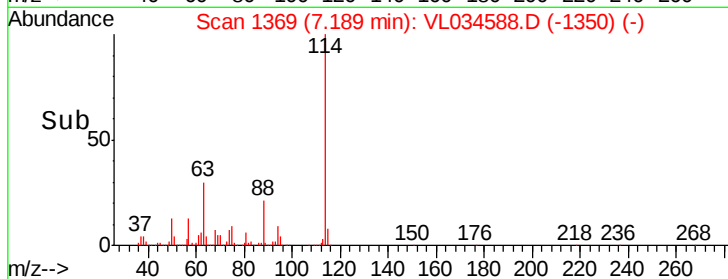
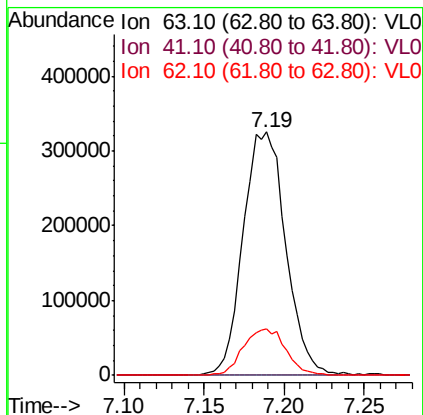
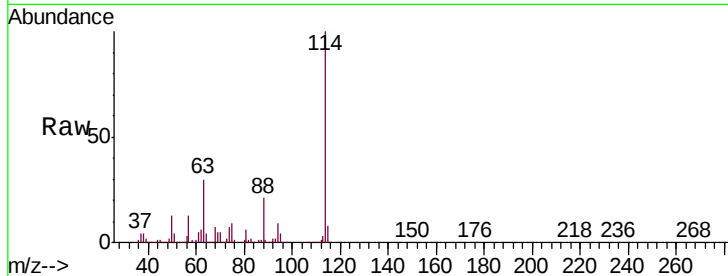




#39
 1,2-Dichloropropane
 Concen: 8.130 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.44 min
 Lab File: VL034588.D
 Acq: 4 Feb 2020 20:32

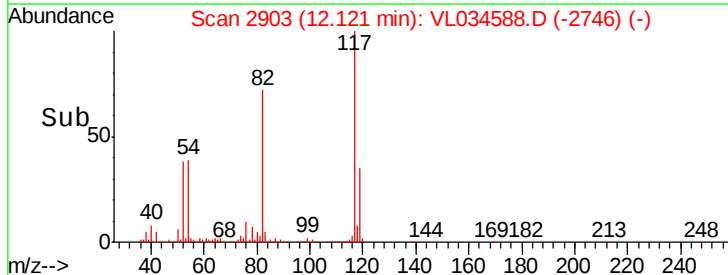
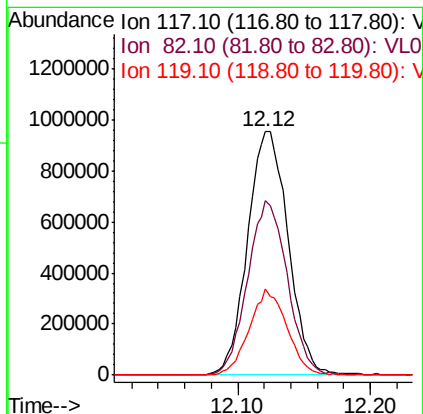
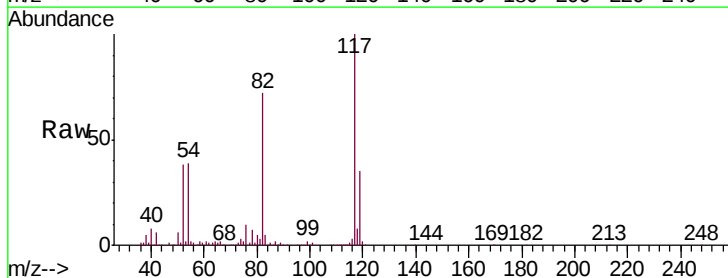
Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

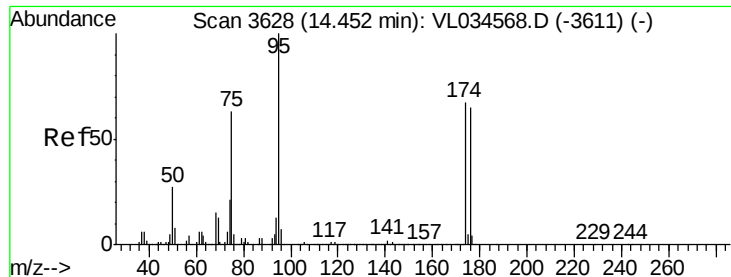
Tgt Ion: 63 Resp: 591769
 Ion Ratio Lower Upper
 63 100
 41 0.3 71.0 106.4#
 62 19.0 55.4 83.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2903
 Delta R.T. 0.01 min
 Lab File: VL034588.D
 Acq: 4 Feb 2020 20:32

Tgt Ion: 117 Resp: 2032366
 Ion Ratio Lower Upper
 117 100
 82 70.8 54.2 81.4
 119 33.1 26.1 39.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.130 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL034588.D

Acq: 4 Feb 2020 20:32

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

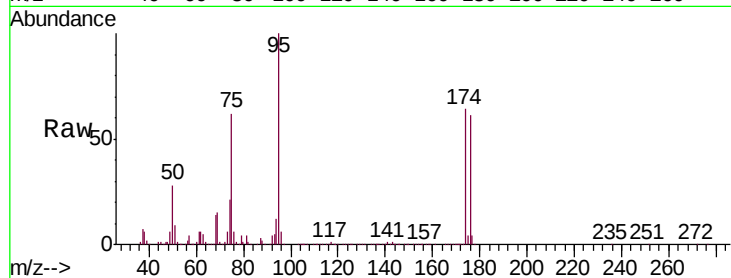
Tgt Ion: 95 Resp: 1739951

Ion Ratio Lower Upper

95 100

174 63.7 52.3 78.5

175 4.3 3.8 5.6



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

