

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036868.D
 Acq On : 27 Apr 2021 21:49
 Operator : SY/AP
 Sample : M2172-09DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:26:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1559562	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3707481	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3244151	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2517976	9.67	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

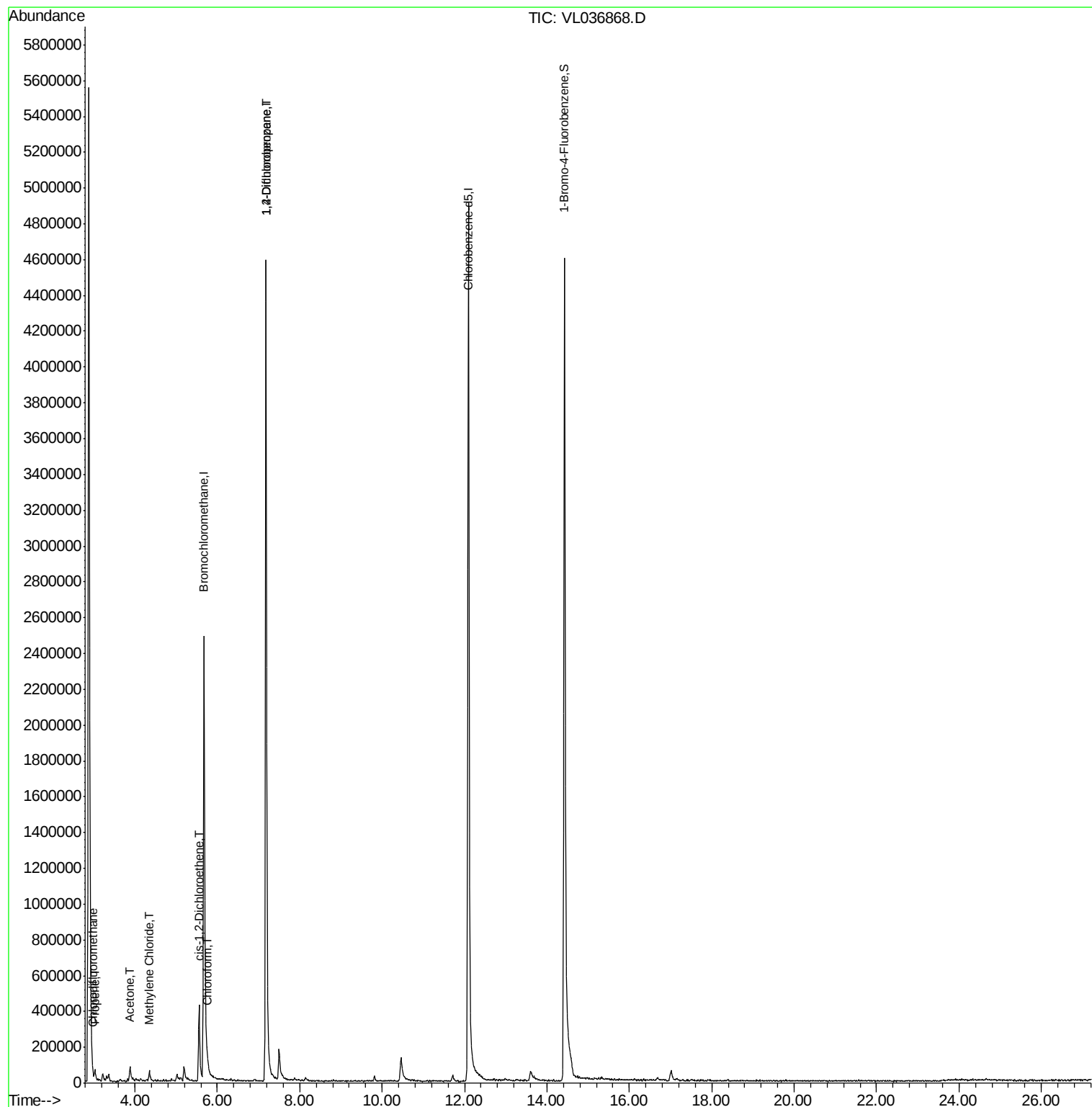
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	8953	0.032	ppbv	92
9) Propene	3.02	41	8296	0.096	ppbv #	24
15) Acetone	3.88	43	66625	0.453	ppbv #	48
20) Methylene Chloride	4.35	84	10339	0.147	ppbv #	86
29) Chloroform	5.76	83	18192	0.069	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	283427	1.880	ppbv	100
39) 1,2-Dichloropropane	7.18	63	1002481	8.010	ppbv #	25

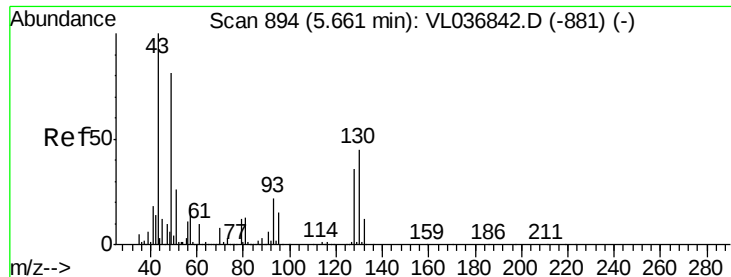
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 21:49

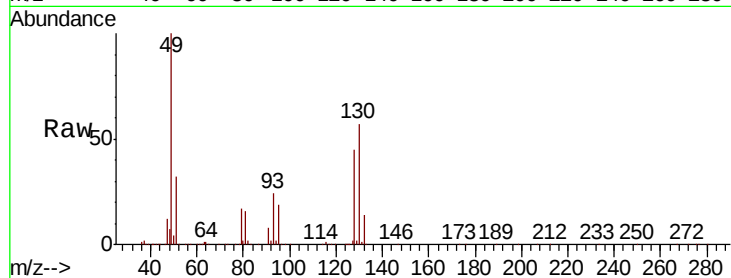
Tot Ion: 49 Resp: 1559562

Ion Ratio Lower Upper

49 100

128 47.4 24.4 73.2

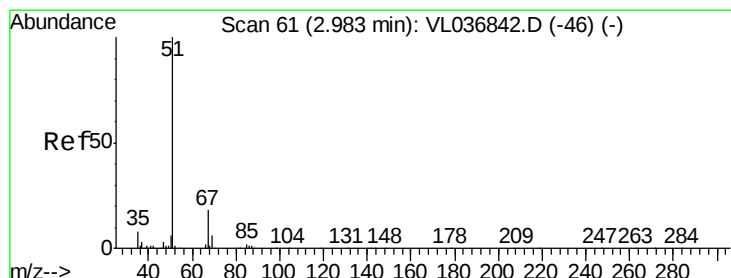
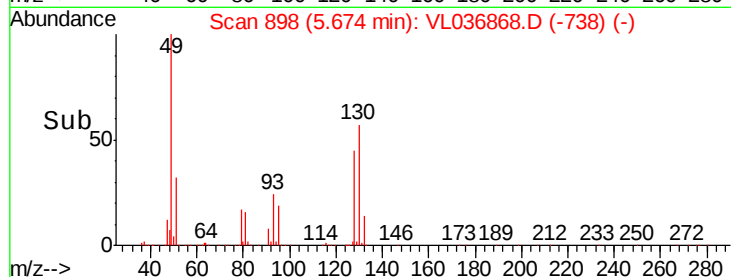
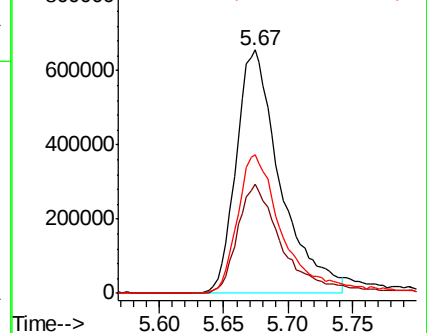
130 61.3 30.3 90.8



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



#3

Chlorodifluoromethane

Concen: 0.032 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL036868.D

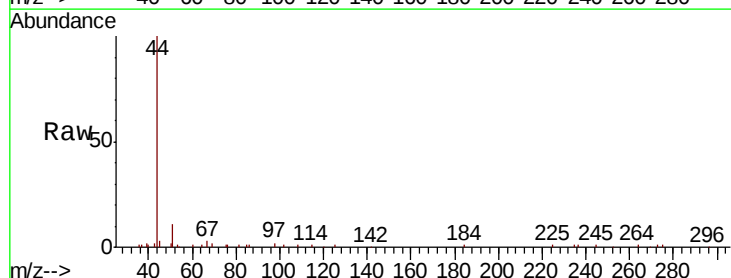
Acq: 27 Apr 2021 21:49

Tgt Ion: 51 Resp: 8953

Ion Ratio Lower Upper

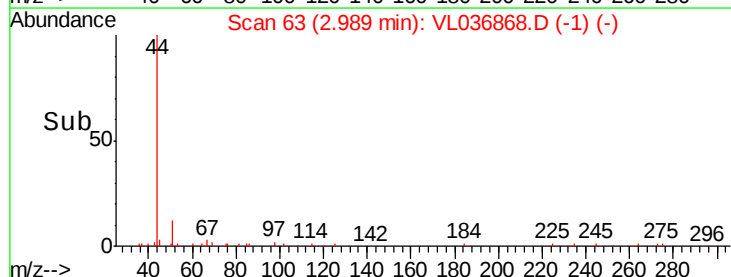
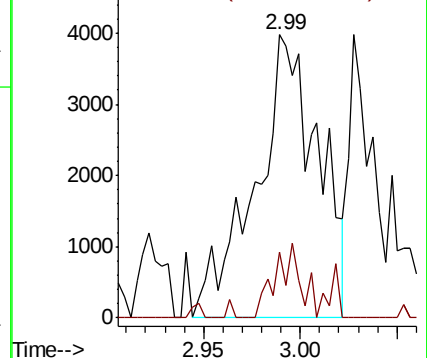
51 100

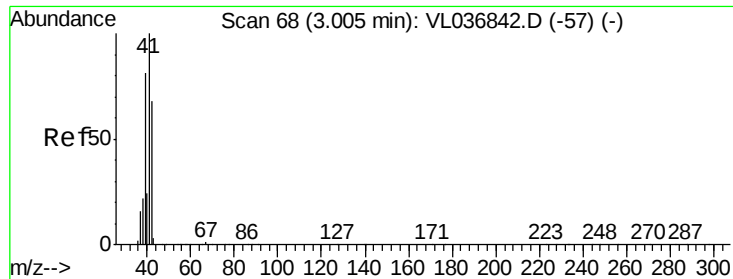
67 14.8 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

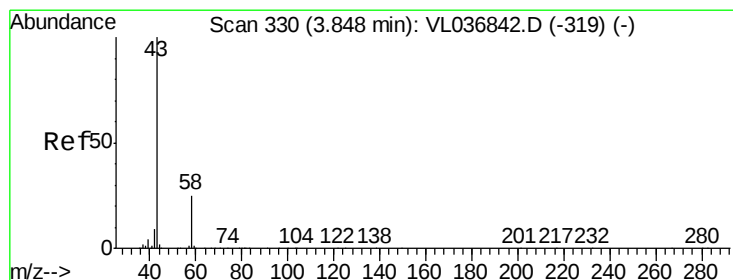
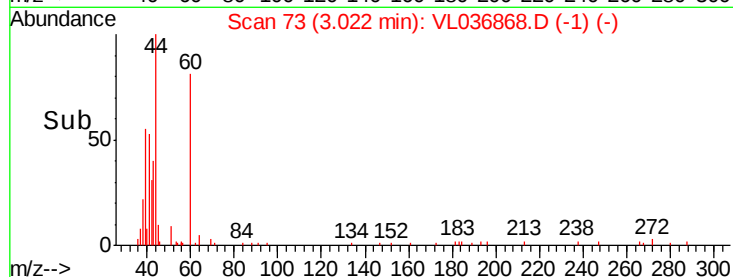
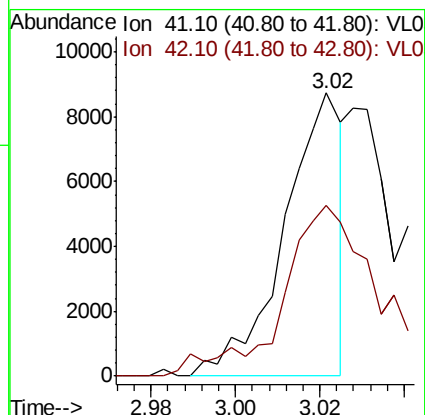
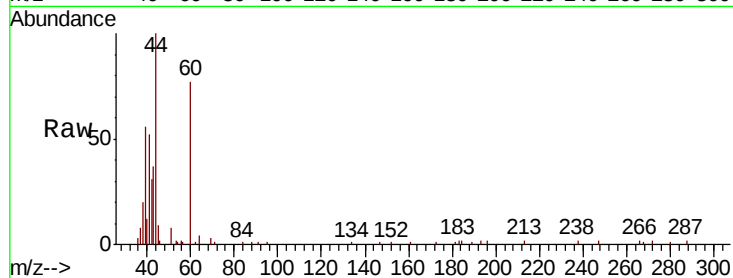
Ion 67.00 (66.70 to 67.70): VL0





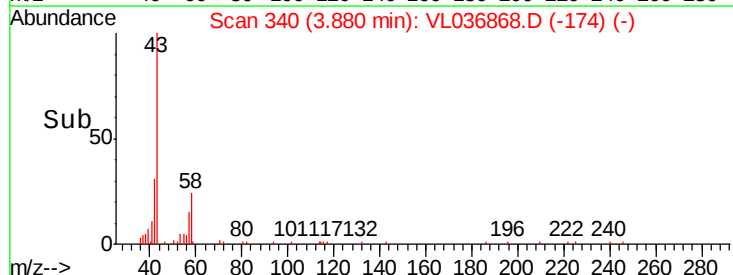
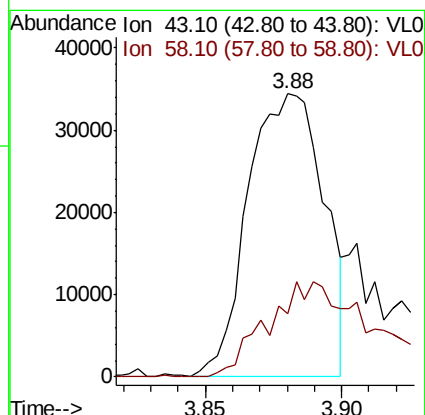
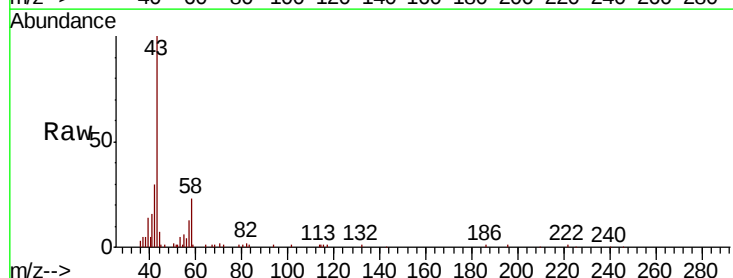
#9
 Propene
 Concen: 0.096 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 21:49

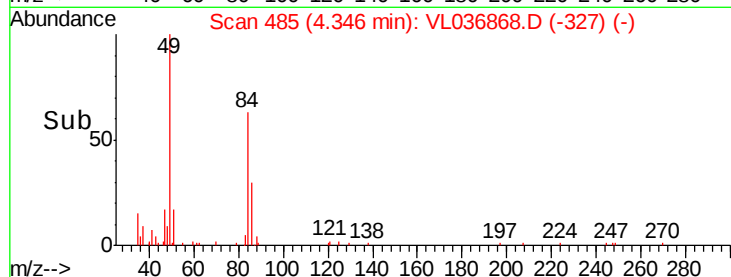
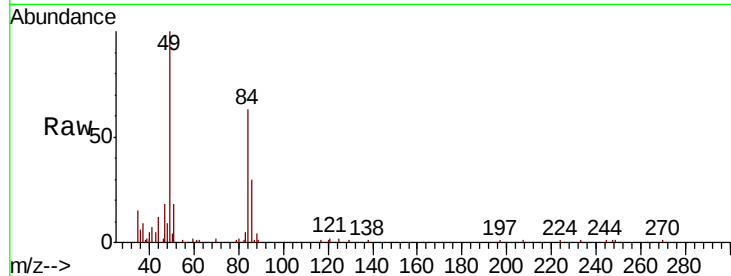
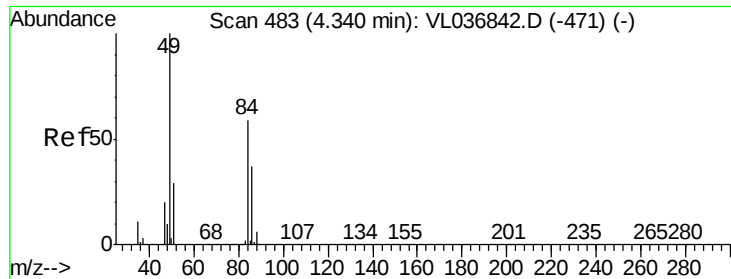
Tot Ion: 41 Resp: 8296
 Ion Ratio Lower Upper
 41 100
 42 132.3 56.0 84.0#



#15
 Acetone
 Concen: 0.453 ppbv
 RT: 3.88 min Scan# 340
 Delta R.T. 0.03 min
 Lab File: VL036868.D
 Acq: 27 Apr 2021 21:49

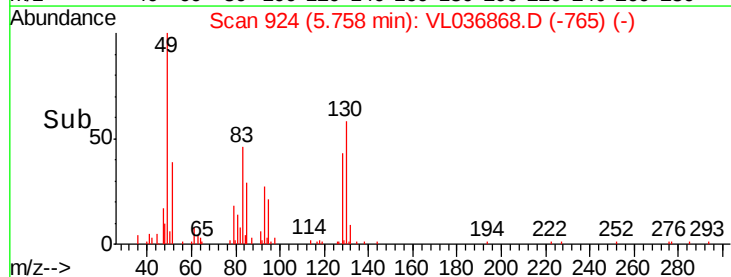
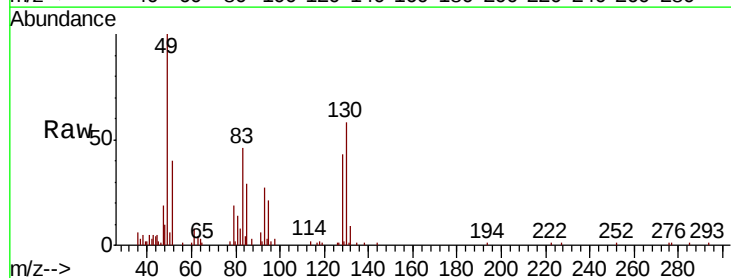
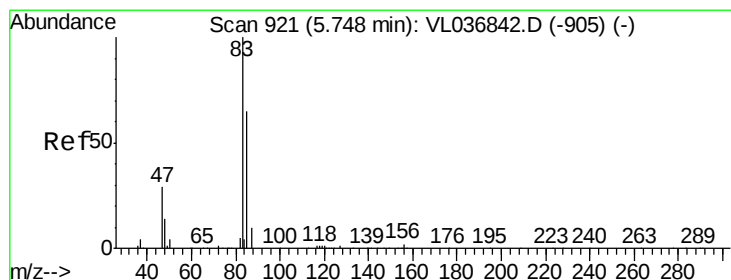
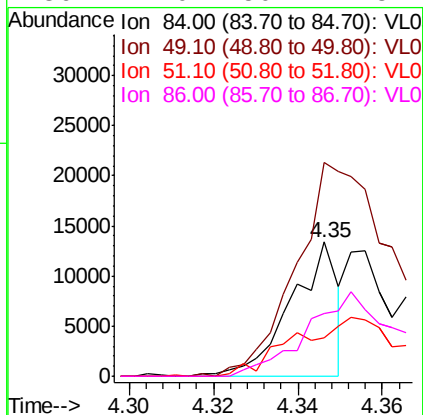
Tgt Ion: 43 Resp: 66625
 Ion Ratio Lower Upper
 43 100
 58 53.9 21.7 32.5#





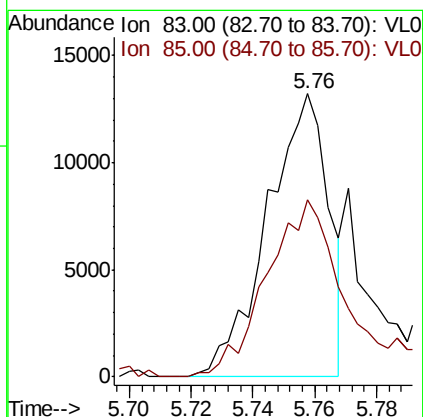
#20
Methvlene Chloride
Concen: 0.147 ppbv
RT: 4.35
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 27 Apr 2021 21:49

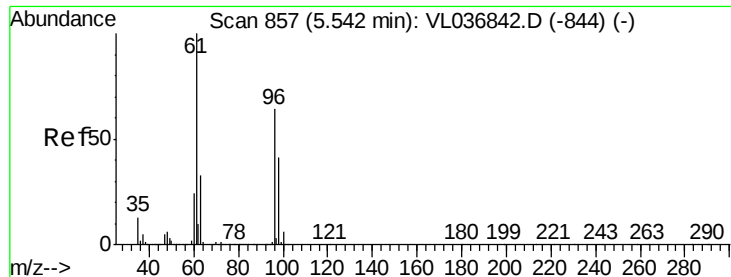
Tot Ion:	84	Resp:	10339
Ion	Ratio	Lower	Upper
84	100		
49	159.1	135.4	203.0
51	28.9	39.3	58.9#
86	47.0	50.2	75.2#



#29
Chloroform
Concen: 0.069 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL036868.D
Acq: 27 Apr 2021 21:49

Tgt Ion:	83	Resp:	18192
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.2	78.4





#31

cis-1,2-Dichloroethene

Concen: 1.880 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 21:49

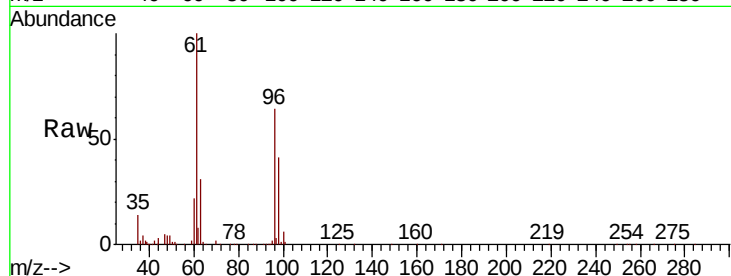
Tot Ion: 61 Resp: 283427

Ion Ratio Lower Upper

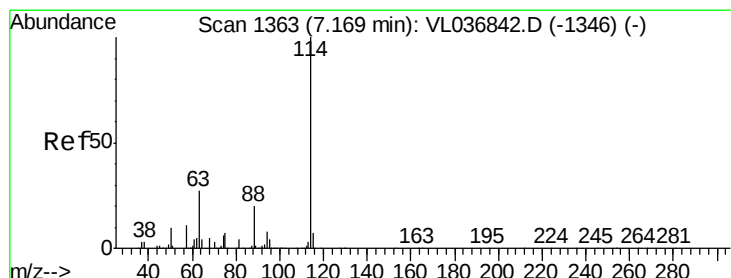
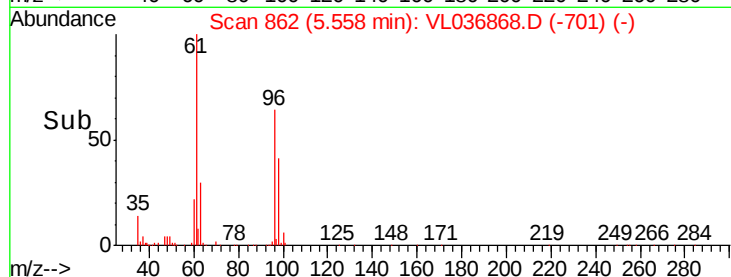
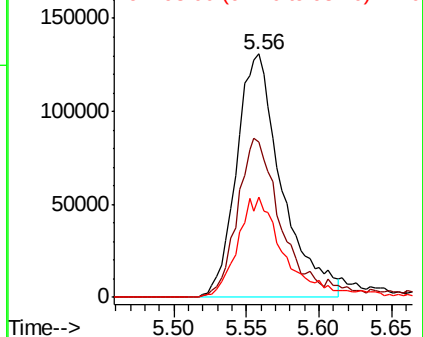
61 100

96 63.7 51.0 76.6

98 41.2 32.7 49.1



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL036868.D

Acq: 27 Apr 2021 21:49

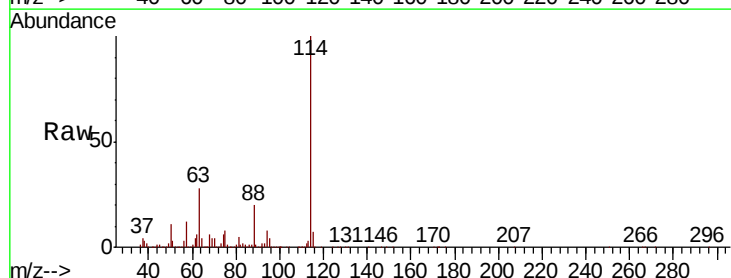
Tgt Ion: 114 Resp: 3707481

Ion Ratio Lower Upper

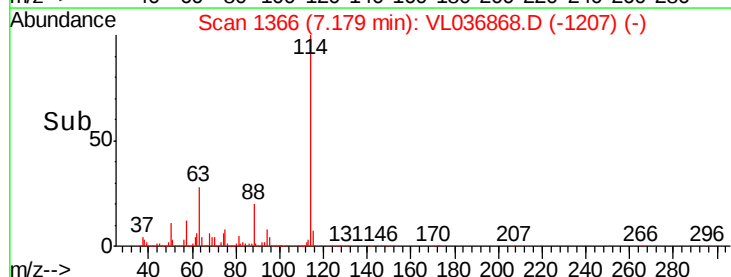
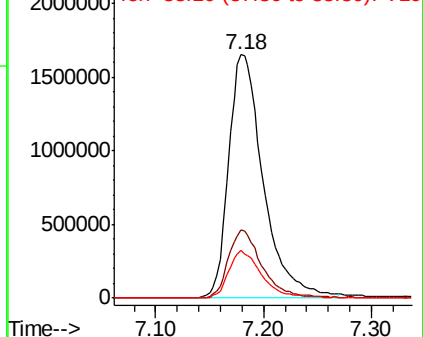
114 100

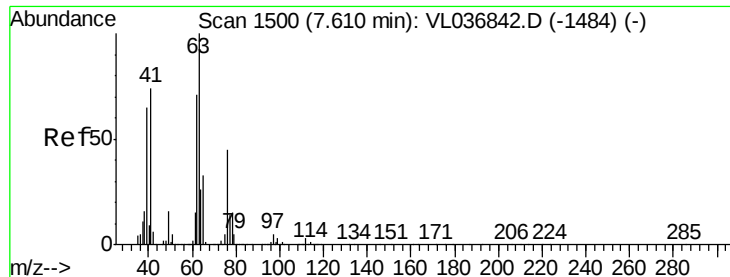
63 27.6 21.9 32.9

88 18.9 15.1 22.7



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





#39

1,2-Dichloropropane

Concen: 8.010 ppbv

RT: 7.18 Instrument:

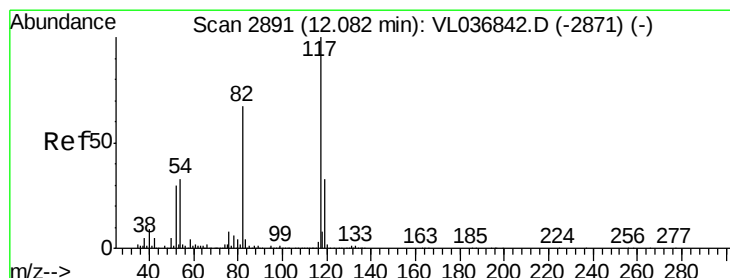
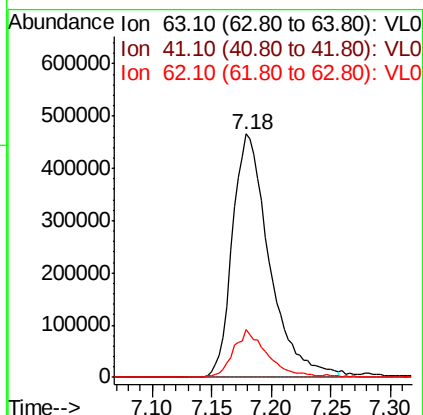
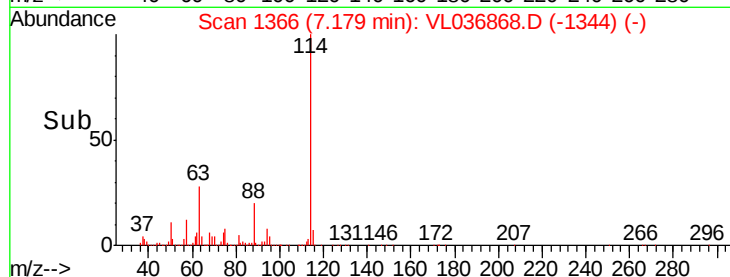
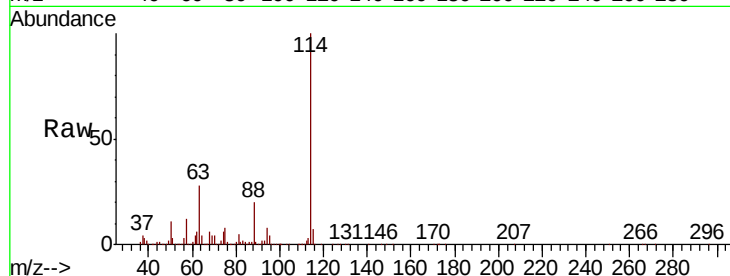
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 21:49

Tot Ion: 63 Resp: 1002481

Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.1	88.7#
62	19.7	56.9	85.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

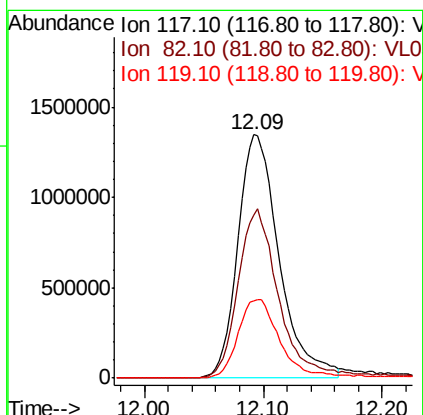
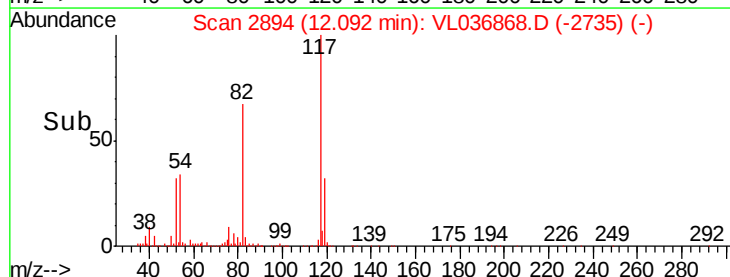
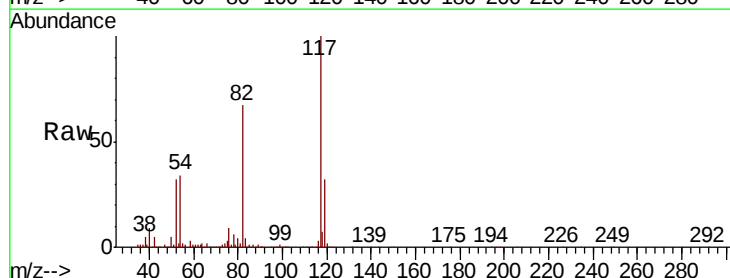
Delta R.T. 0.01 min

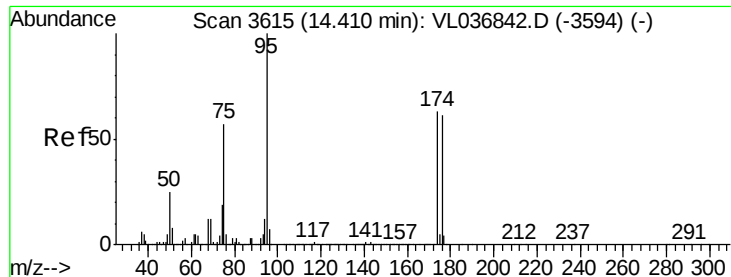
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Tgt Ion: 117 Resp: 3244151

Ion	Ratio	Lower	Upper
117	100		
82	71.8	53.5	80.3
119	34.1	25.6	38.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.669 ppbv

RT: 14.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 21:49

Tot Ion: 95 Resp: 2517976

Ion Ratio Lower Upper

95 100

174 68.4 52.2 78.2

175 5.0 4.0 6.0

