

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036958.D
 Acq On : 18 May 2021 7:41
 Operator : SY/AP
 Sample : VL0518ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0518ABL01

Quant Time: May 19 03:10:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1263503	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3631717	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3492153	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2697911	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

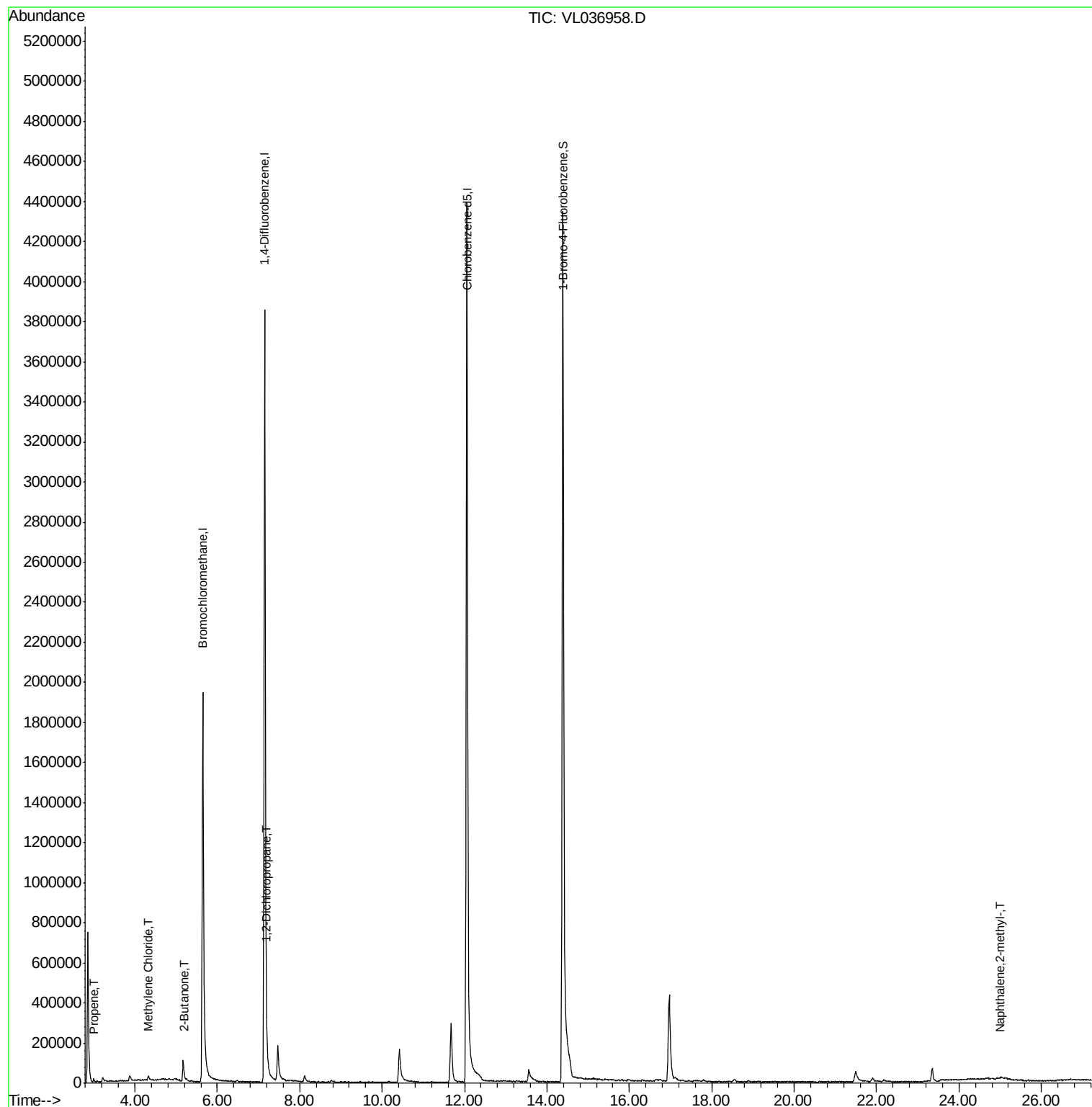
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	3797	0.046	ppbv #	57
20) Methylene Chloride	4.33	84	5687	0.082	ppbv #	88
34) 2-Butanone	5.21	43	4138	0.031	ppbv #	52
39) 1,2-Dichloropropane	7.20	63	21260	0.176	ppbv #	25
80) Naphthalene,2-methyl-	24.99	142	7855	0.103	ppbv #	35

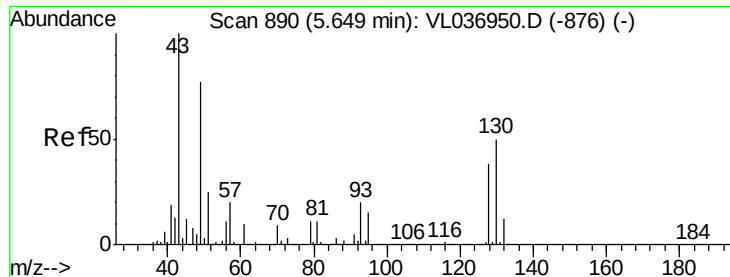
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

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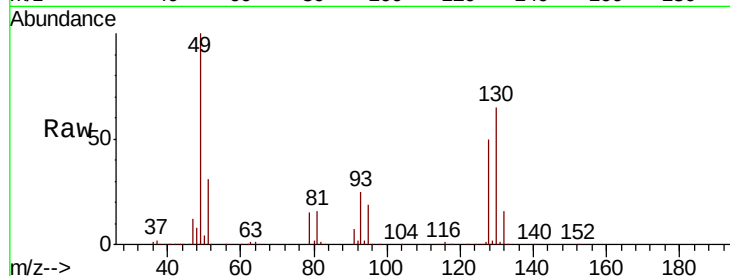
Tot Ion: 49 Resp: 1263503

Ion Ratio Lower Upper

49 100

128 53.6 26.9 80.7

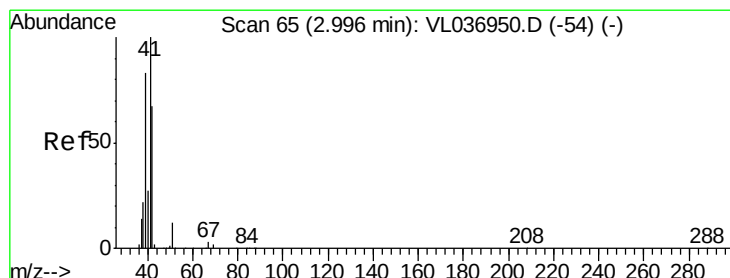
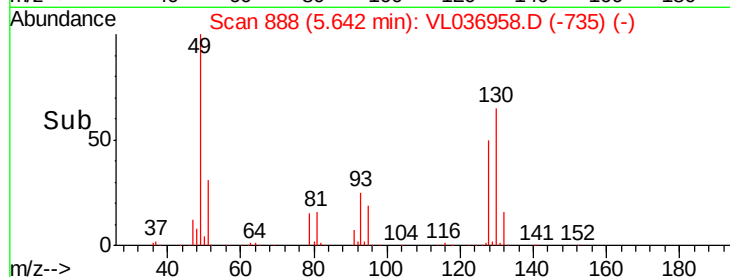
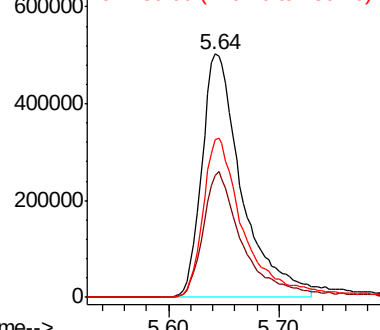
130 68.4 33.8 101.4



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



#9

Propene

Concen: 0.046 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL036958.D

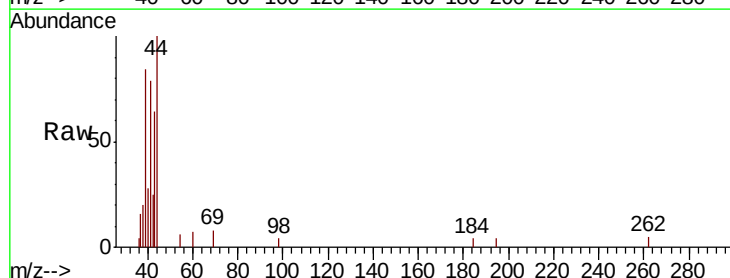
Acq: 18 May 2021 7:41

Tgt Ion: 41 Resp: 3797

Ion Ratio Lower Upper

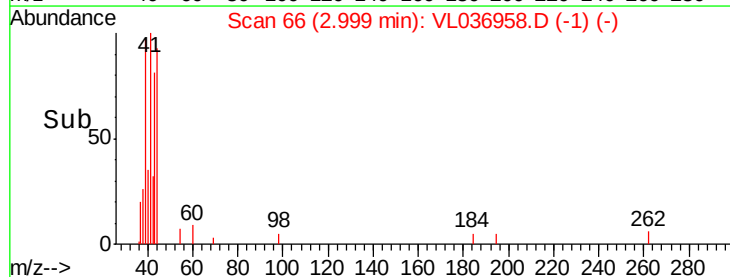
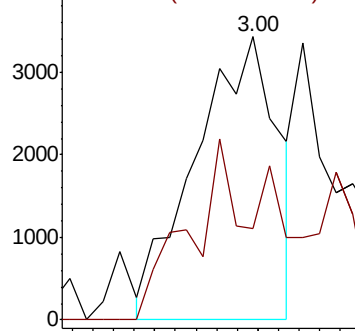
41 100

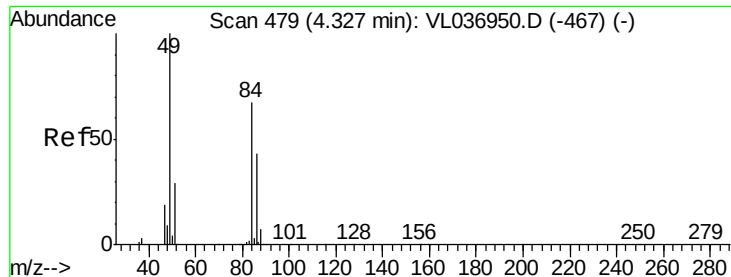
42 102.2 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

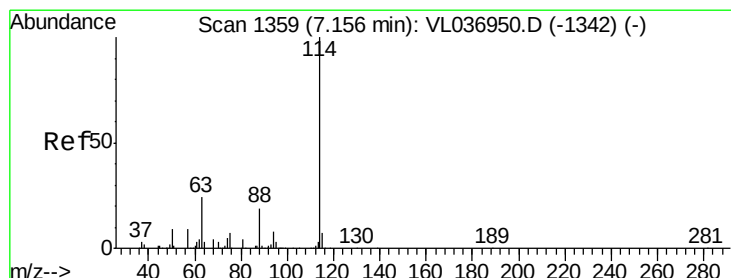
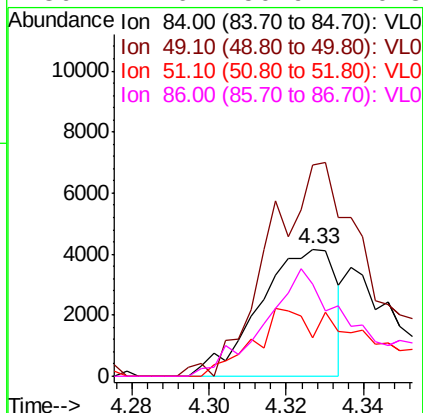
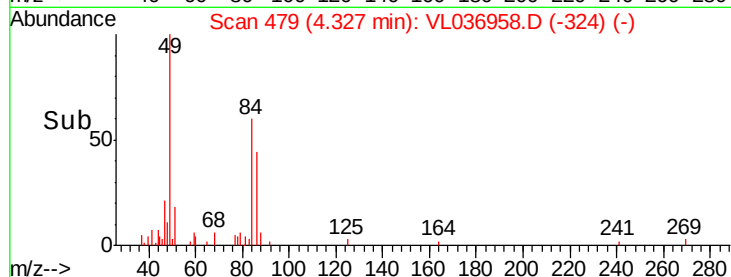
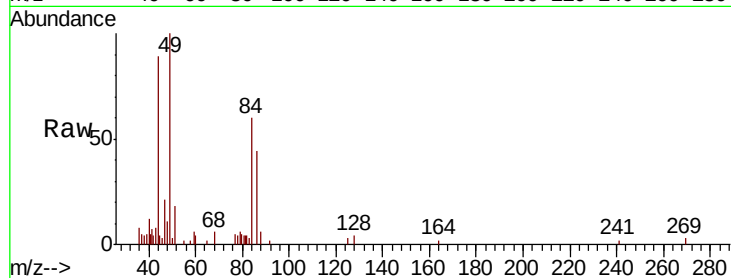




#20
Methylene Chloride
Concen: 0.082 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL036958.D
Acq: 18 May 2021 7:41

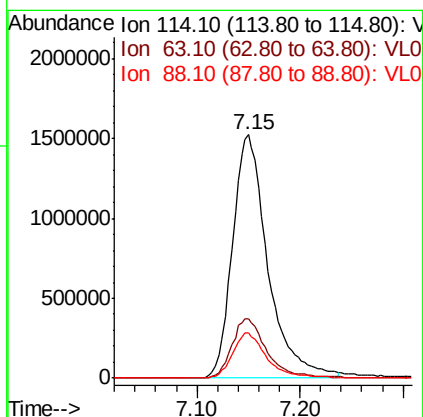
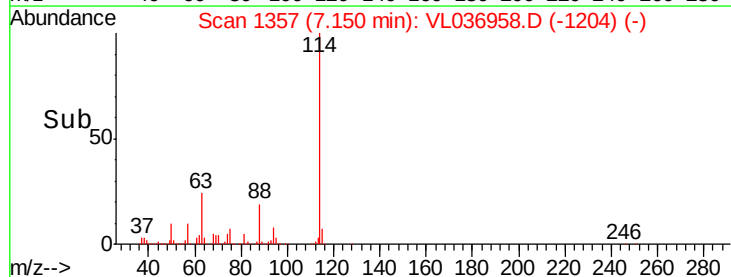
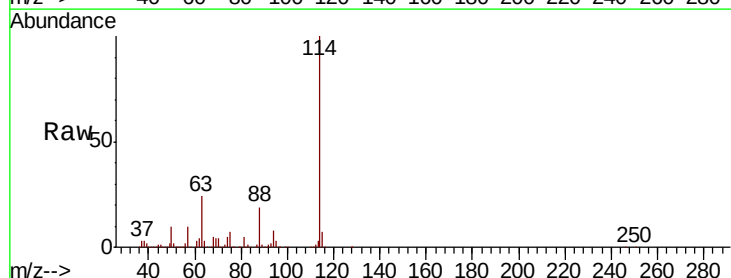
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABL01

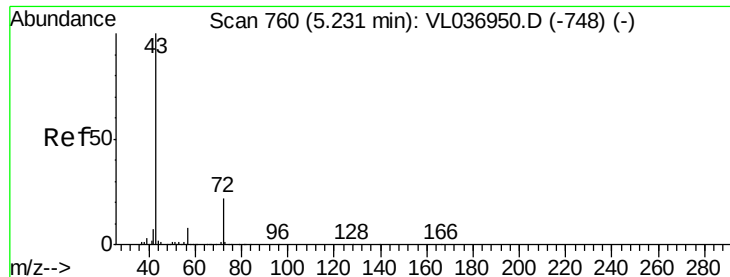
Tot Ion:	84	Resp:	5687
Ion	Ratio	Lower	Upper
84	100		
49	159.4	119.8	179.6
51	25.6	35.1	52.7#
86	72.6	50.9	76.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL036958.D
Acq: 18 May 2021 7:41

Tgt Ion:	114	Resp:	3631717
Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.6	29.4
88	18.3	14.6	21.8

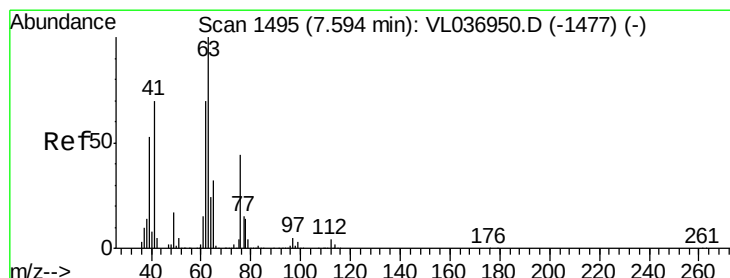
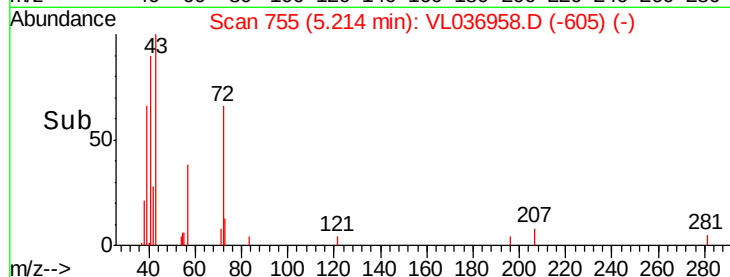
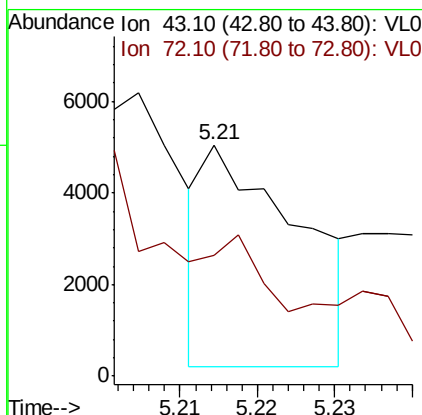
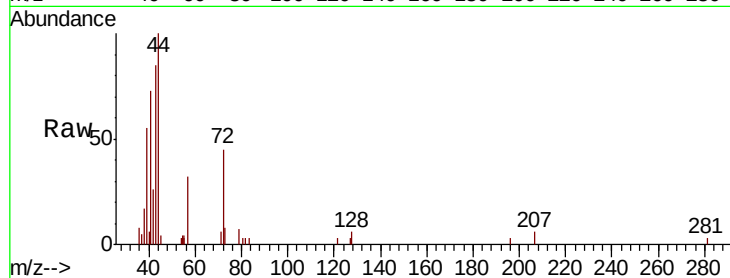




#34
2-Butanone
Concen: 0.031 ppbv
RT: 5.21 min Scan# 755
Delta R.T. -0.02 min
Lab File: VL036958.D
Acq: 18 May 2021 7:41

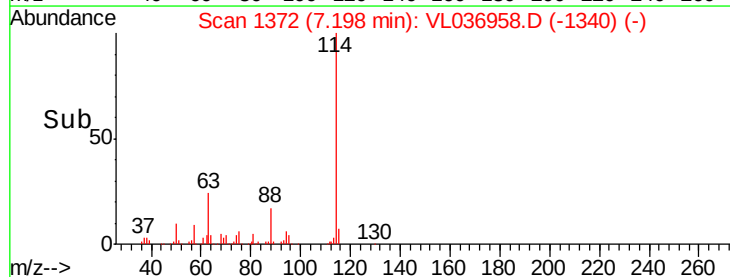
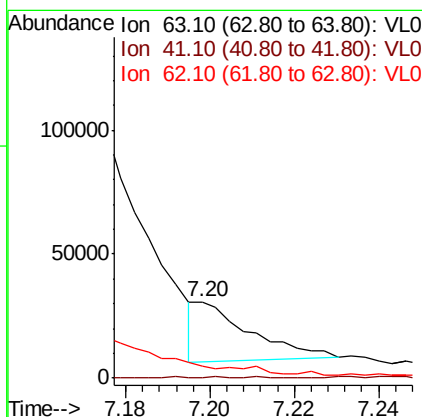
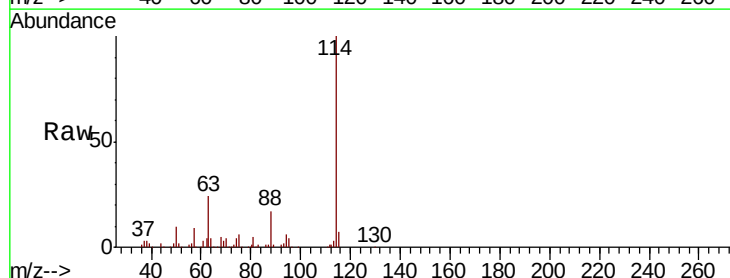
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABL01

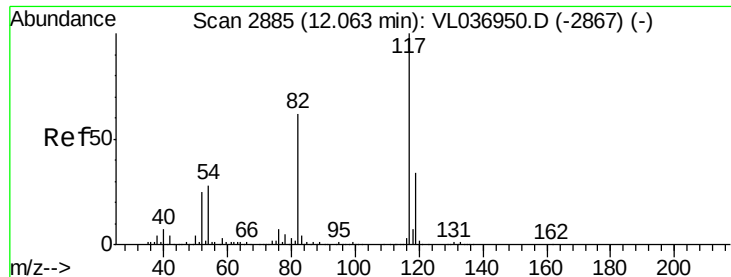
Tot Ion: 43 Resp: 4138
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.4#



#39
1,2-Dichloropropane
Concen: 0.176 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.40 min
Lab File: VL036958.D
Acq: 18 May 2021 7:41

Tgt Ion: 63 Resp: 21260
Ion Ratio Lower Upper
63 100
41 0.0 55.7 83.5#
62 17.3 56.2 84.4#

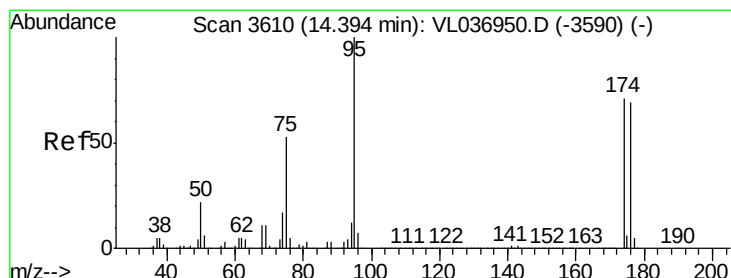
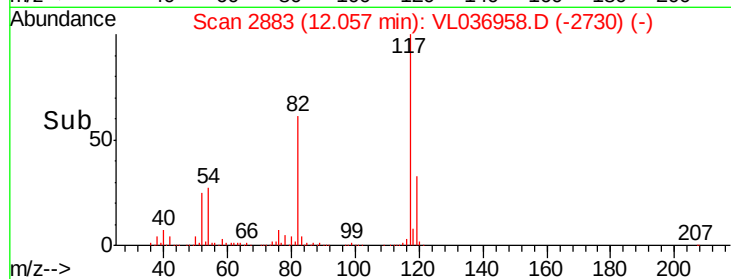
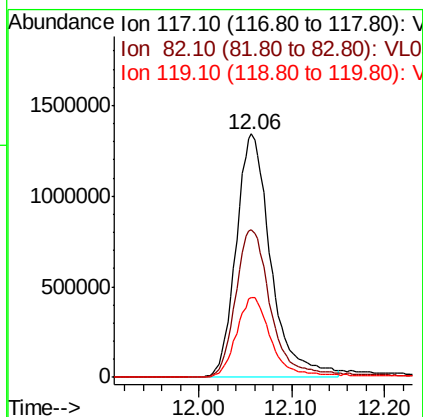
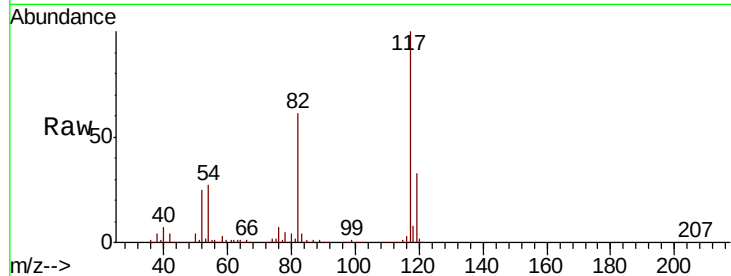




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL036958.D
Acq: 18 May 2021 7:41

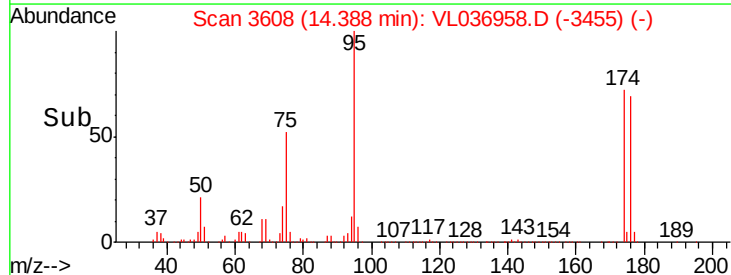
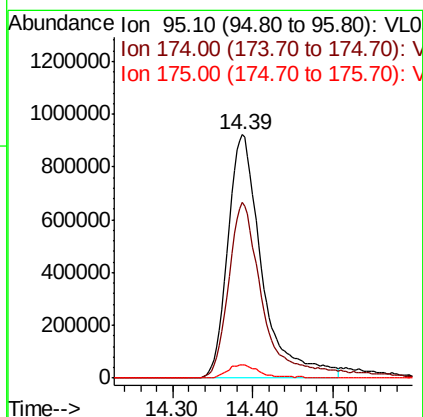
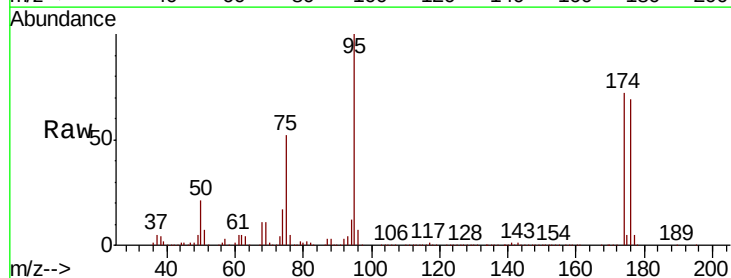
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABL01

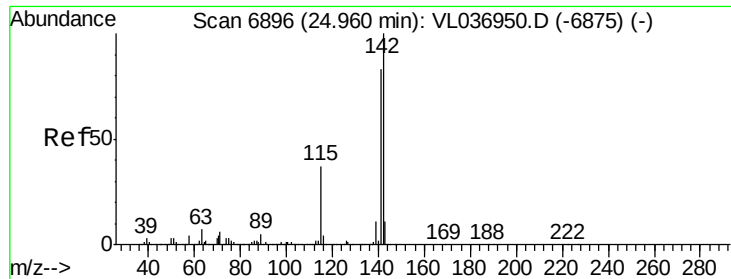
Tot Ion:117 Resp: 3492153
Ion Ratio Lower Upper
117 100
82 63.8 52.6 79.0
119 34.5 46.6 70.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.284 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.01 min
Lab File: VL036958.D
Acq: 18 May 2021 7:41

Tgt Ion: 95 Resp: 2697911
Ion Ratio Lower Upper
95 100
174 75.2 58.4 87.6
175 5.3 4.4 6.6





#80

Naphthalene, 2-methyl-

Concen: 0.103 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. 0.03 min

Lab File: VL036958.D

Acq: 18 May 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABL01

Tot Ion:142 Resp: 7855

Ion Ratio Lower Upper

142 100

141 161.4 69.3 103.9#

115 52.8 29.1 43.7#

