

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036906.D
 Acq On : 6 May 2021 16:40
 Operator : SY/AP
 Sample : M2262-14 0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Quant Time: May 07 08:12:40 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	5.68	49	1341544	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3137915	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2648834	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2079488	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

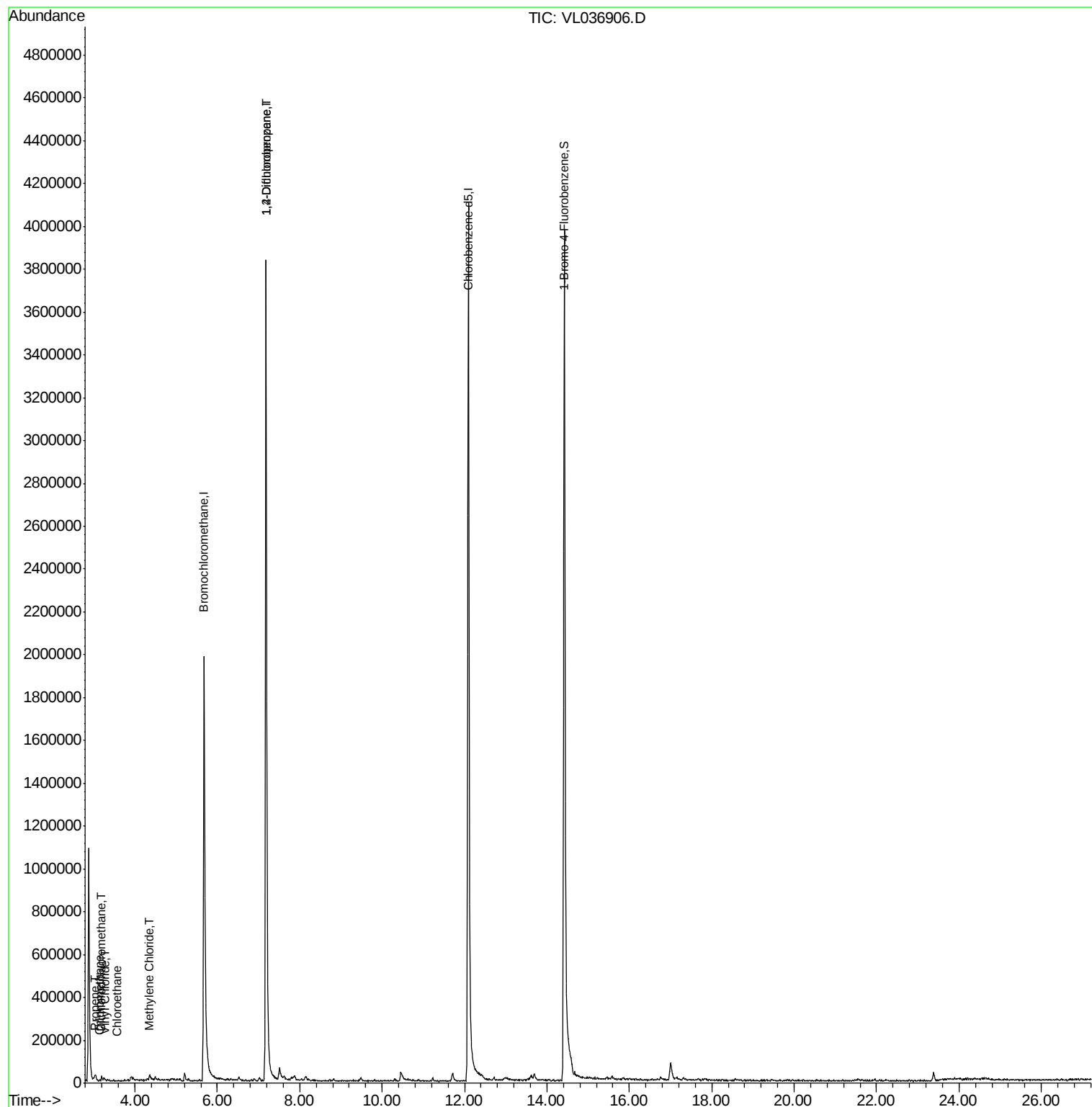
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.19	85	6752	0.032	ppbv	96
4) Chloromethane	3.14	50	2634	0.033	ppbv #	45
5) Vinyl Chloride	3.27	62	2831	0.035	ppbv #	64
7) Chloroethane	3.56	64	1297	0.049	ppbv #	39
9) Propene	3.02	41	4730	0.064	ppbv #	11
20) Methylene Chloride	4.34	84	2199	0.036	ppbv	89
39) 1,2-Dichloropropane	7.18	63	805019	7.600	ppbv #	24

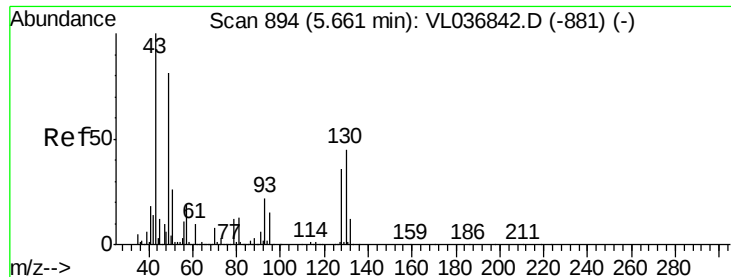
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-OT2-2021

Acq: 6 May 2021 10:40

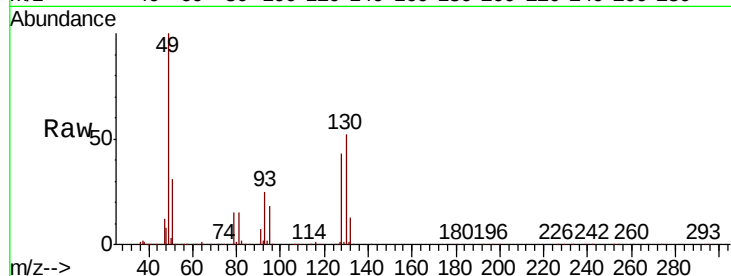
Tot Ion: 49 Resp: 1341544

Ion Ratio Lower Upper

49 100

128 45.2 24.4 73.2

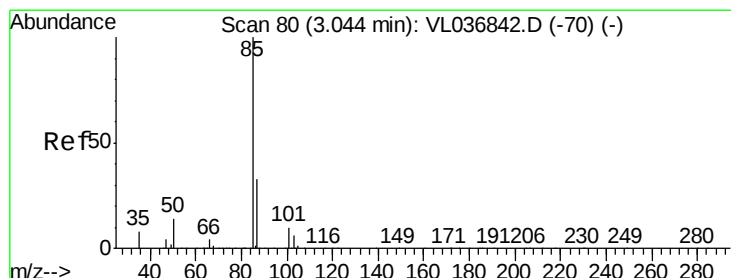
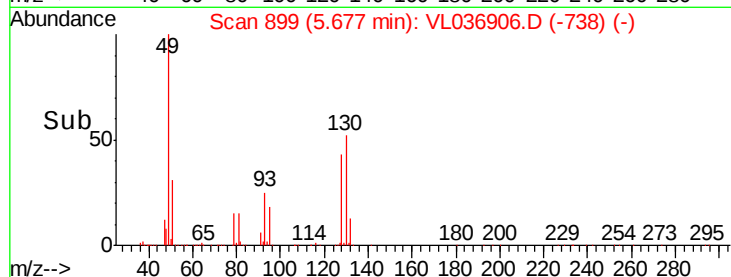
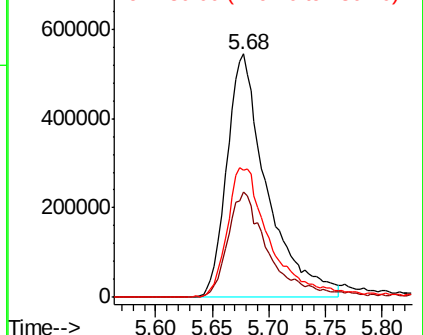
130 59.7 30.3 90.8



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: 0.032 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.15 min

Lab File: VL036906.D

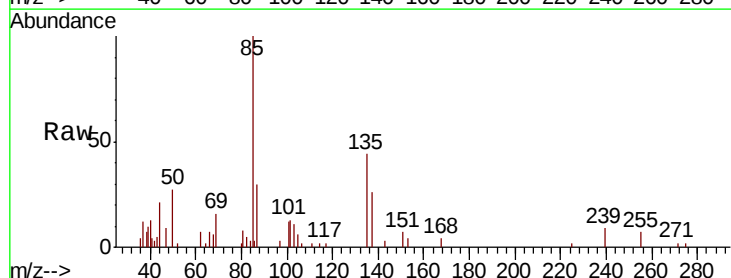
Acq: 6 May 2021 16:40

Tgt Ion: 85 Resp: 6752

Ion Ratio Lower Upper

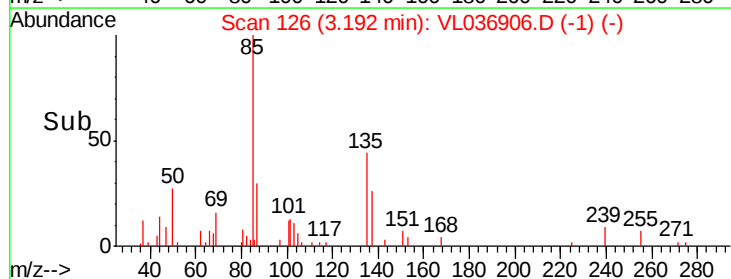
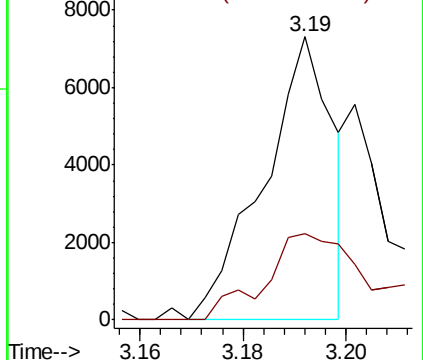
85 100

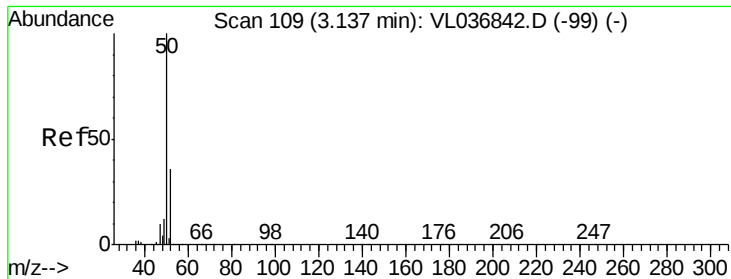
87 30.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.033 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

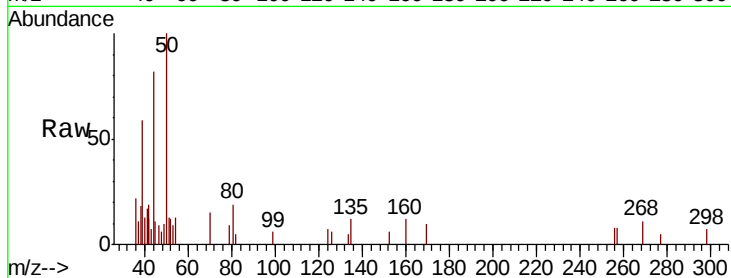
Acq: 6 May 2021 10:40

Tot Ion: 50 Resp: 2634

Ion Ratio Lower Upper

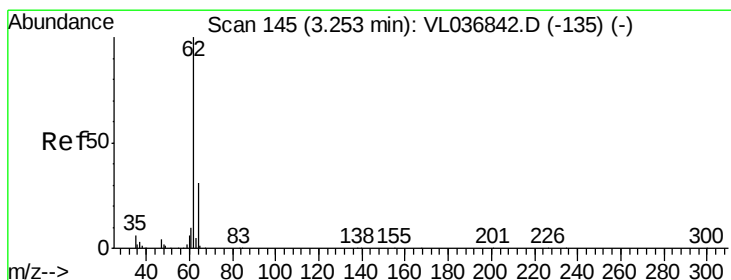
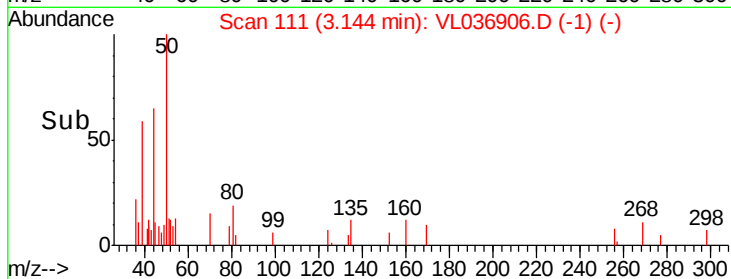
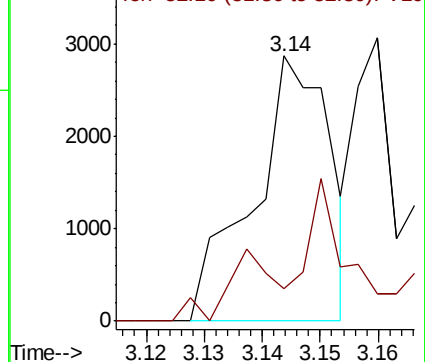
50 100

52 3.4 28.5 42.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 0.035 ppbv

RT: 3.27 min Scan# 151

Delta R.T. 0.02 min

Lab File: VL036906.D

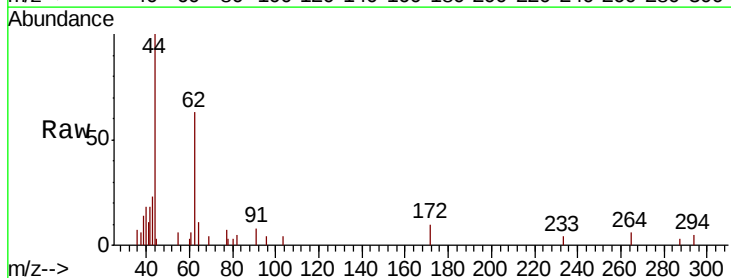
Acq: 6 May 2021 16:40

Tgt Ion: 62 Resp: 2831

Ion Ratio Lower Upper

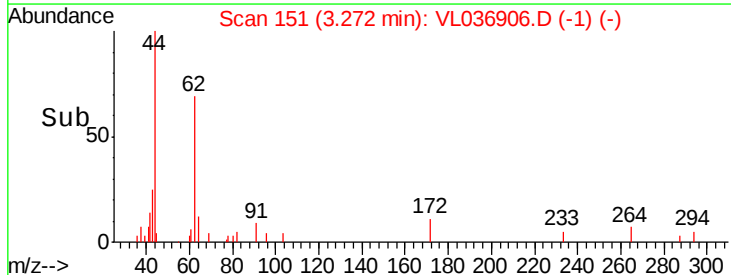
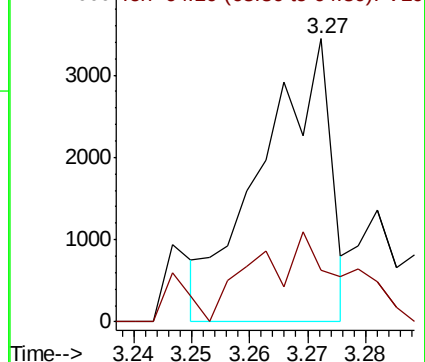
62 100

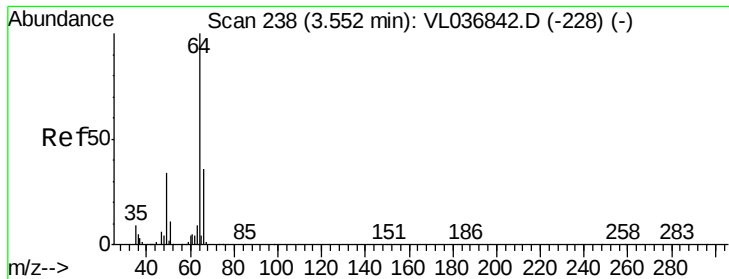
64 11.3 25.0 37.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#7

Chloroethane

Concen: 0.049 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

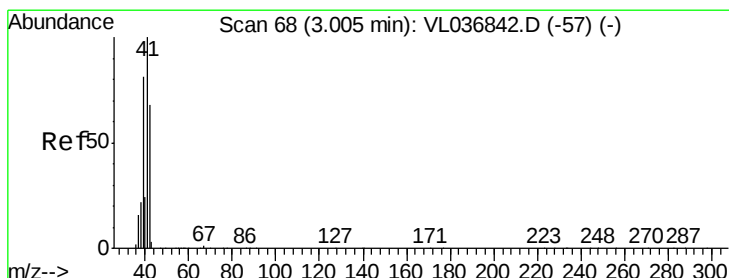
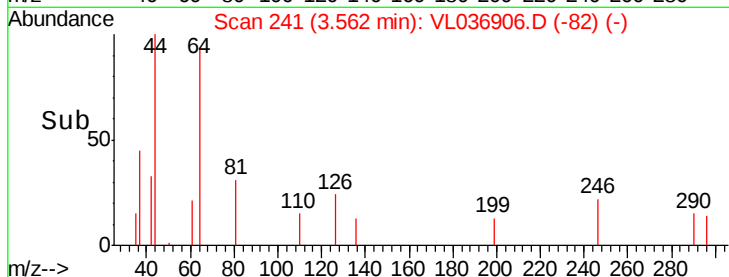
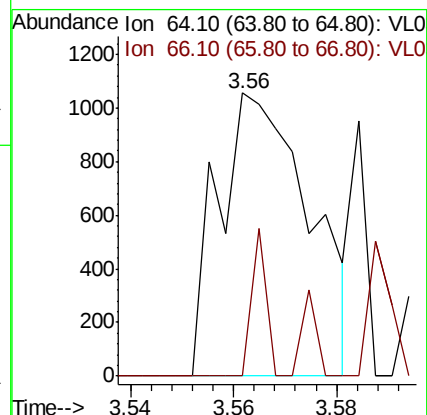
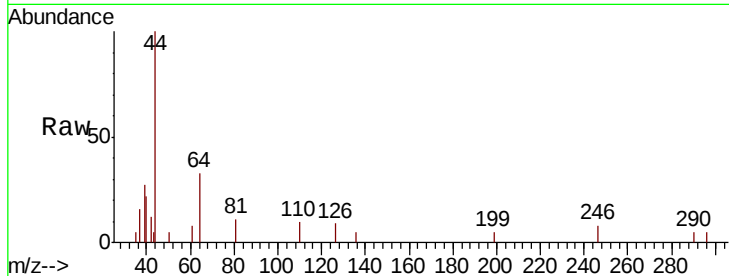
Acq: 6 May 2021 10:40

Tot Ion: 64 Resp: 1297

Ion Ratio Lower Upper

64 100

66 0.0 29.0 43.6#



#9

Propene

Concen: 0.064 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036906.D

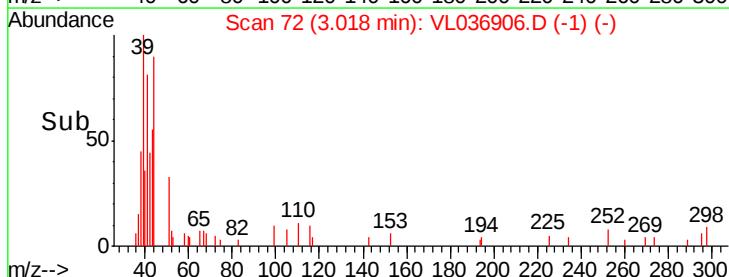
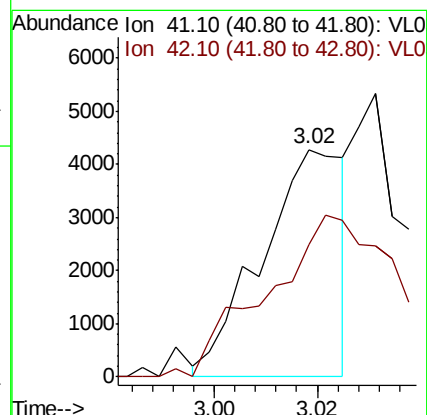
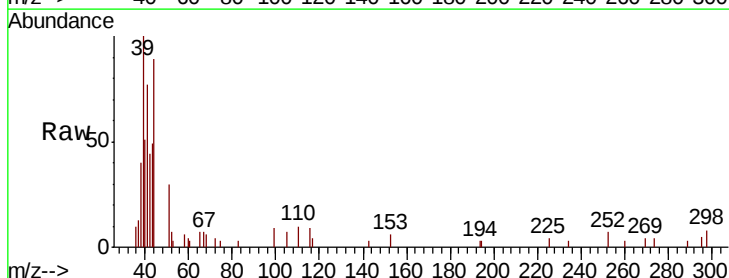
Acq: 6 May 2021 16:40

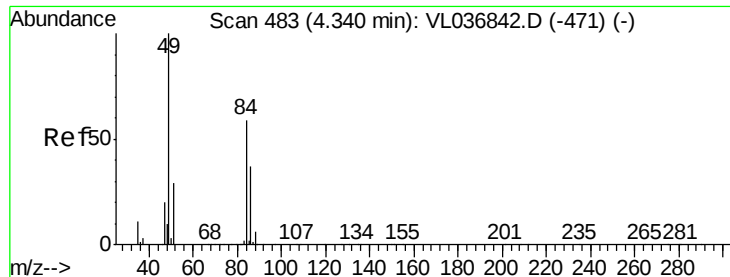
Tgt Ion: 41 Resp: 4730

Ion Ratio Lower Upper

41 100

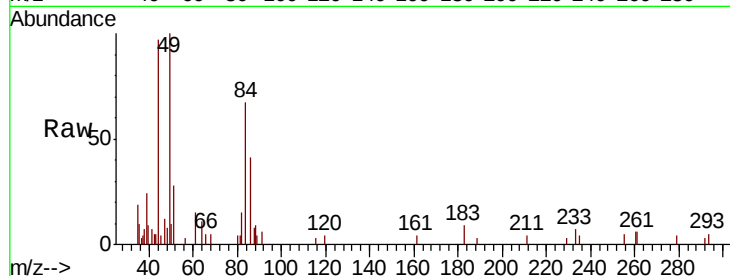
42 143.1 56.0 84.0#



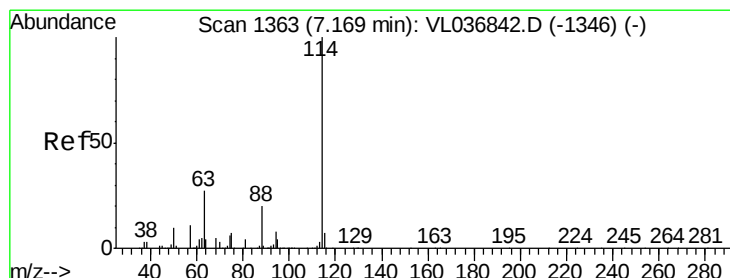
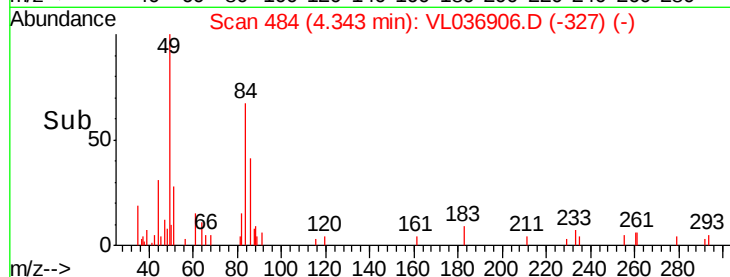
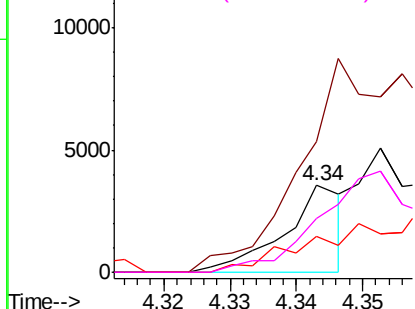


#20
Methylene Chloride
Concen: 0.036 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: LOQ-AIR-02-OT2-2021
Acq: 6 May 2021 16:40

Tot Ion:	84	Resp:	2199
Ion	Ratio	Lower	Upper
84	100		
49	150.0	135.4	203.0
51	41.4	39.3	58.9
86	61.3	50.2	75.2

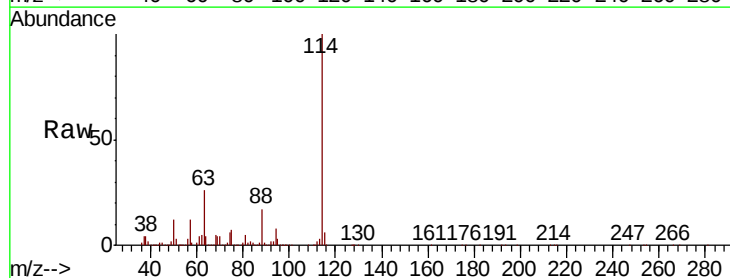


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

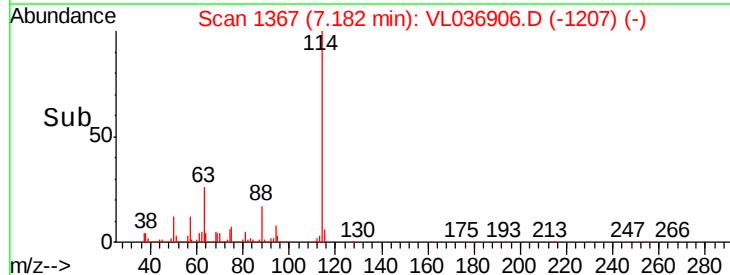
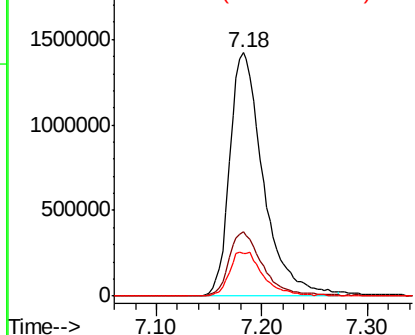


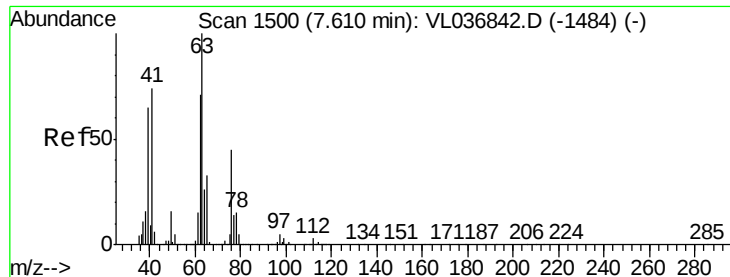
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T.: 0.01 min
Lab File: VL036906.D
Acq: 6 May 2021 16:40

Tgt Ion:	114	Resp:	3137915
Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.9	32.9
88	18.8	15.1	22.7



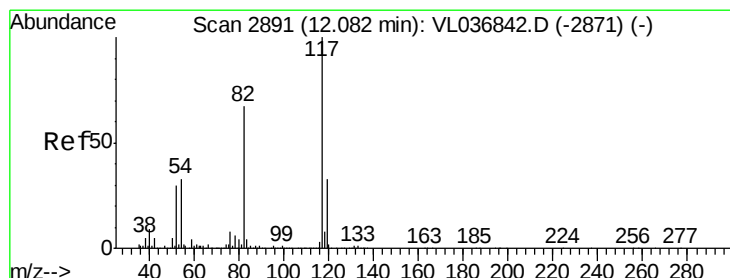
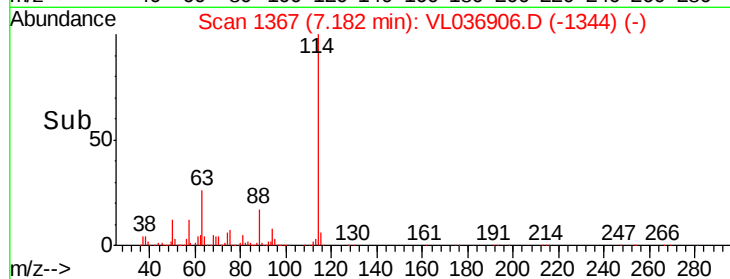
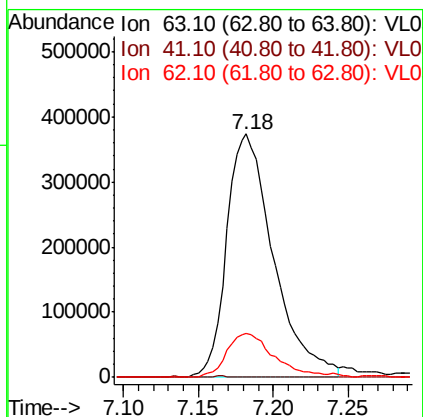
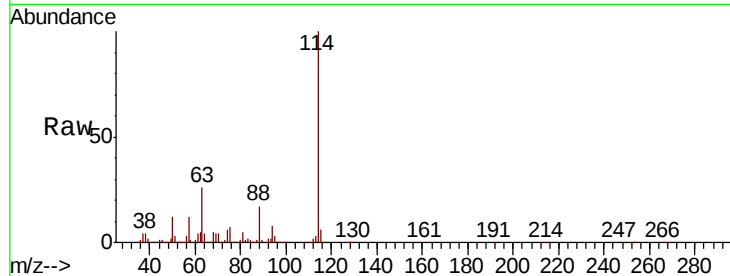
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





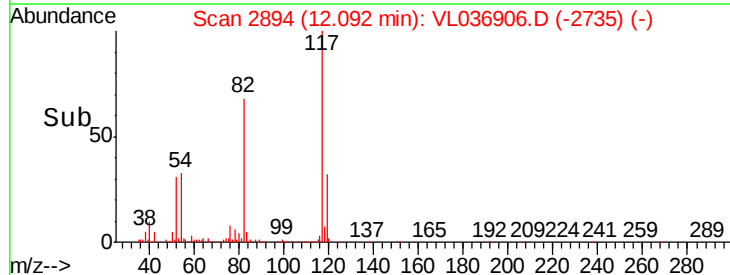
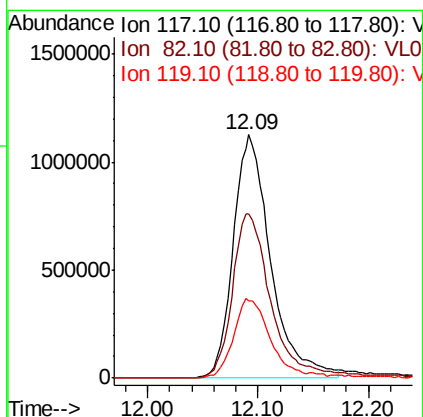
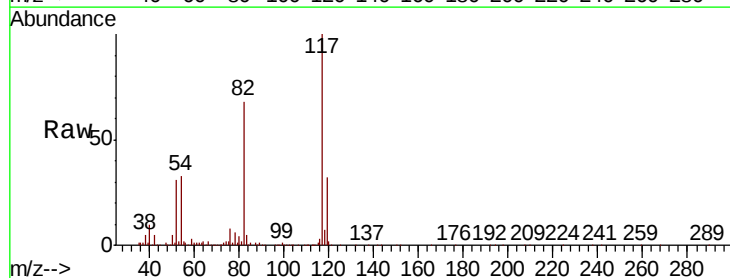
#39
 1,2-Dichloropropane
 Concen: 7.600 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: LOQ-AIR-02-OT2-2021
 Acq: 6 May 2021 10:40

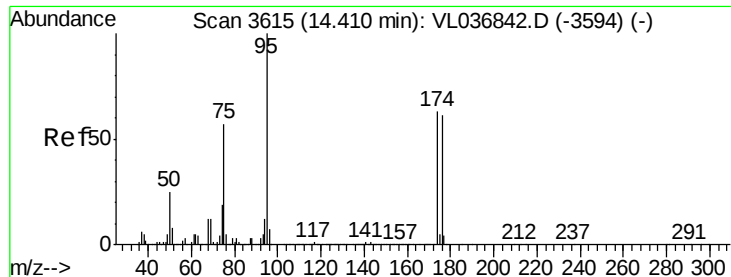
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.2	59.1	88.7#
62	17.5	56.9	85.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T.: 0.01 min
 Lab File: VL036906.D
 Acq: 6 May 2021 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	71.9	53.5	80.3
119	34.2	25.6	38.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.780 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 May 2021 10:40

Tot Ion: 95 Resp: 2079488

Ion Ratio Lower Upper

95 100

174 69.1 52.2 78.2

175 4.8 4.0 6.0

