

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036819.D
 Acq On : 20 Apr 2021 12:11
 Operator : SY/AP
 Sample : VL0420ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 21 06:35:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1248422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3129525	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2579682	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1938726	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

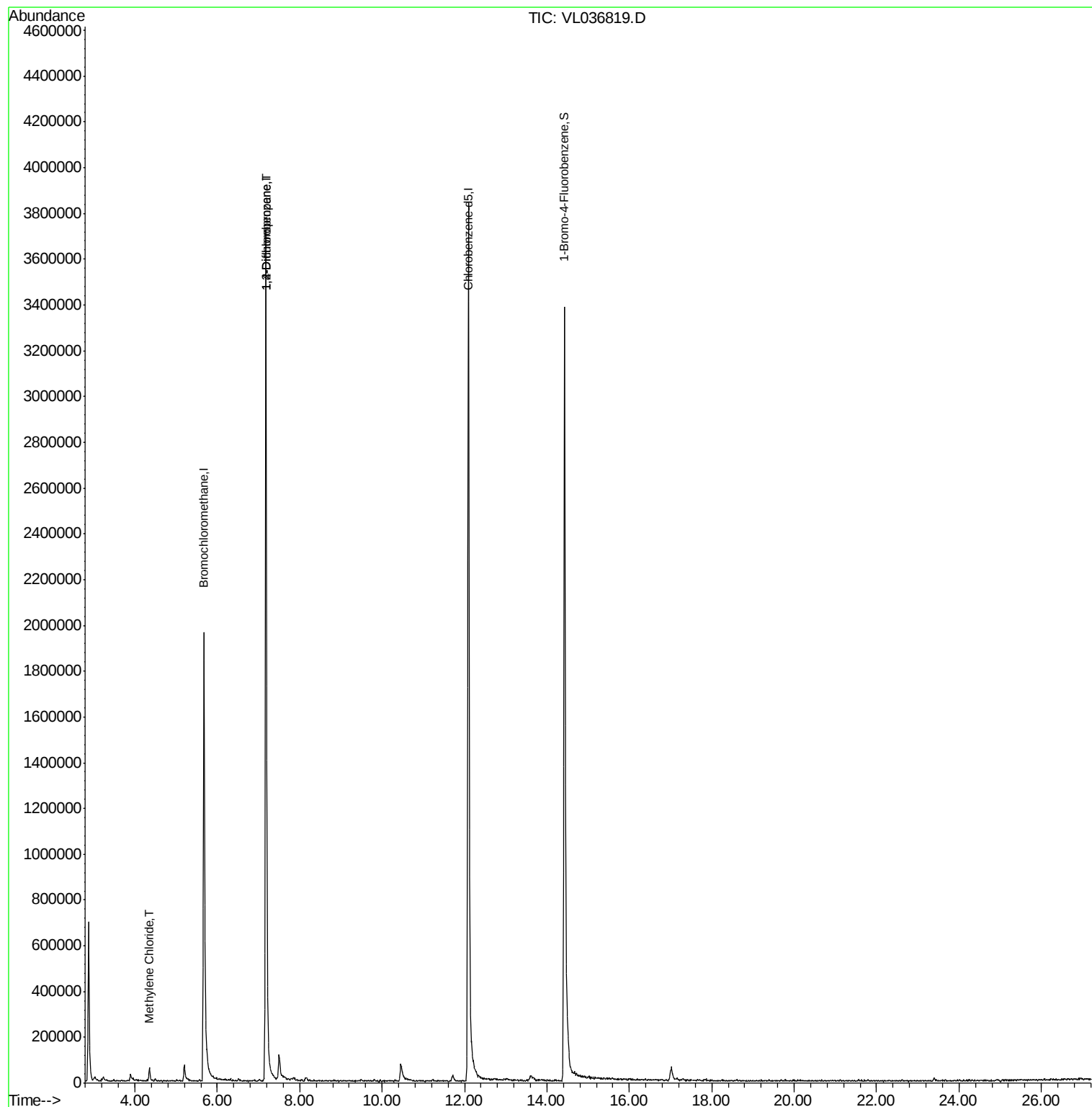
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.35	84	22304	0.388	ppbv	93
39) 1,2-Dichloropropane	7.18	63	824828	7.045	ppbv #	23

(#) = 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:

Acq: 20 Apr 2021 12:11

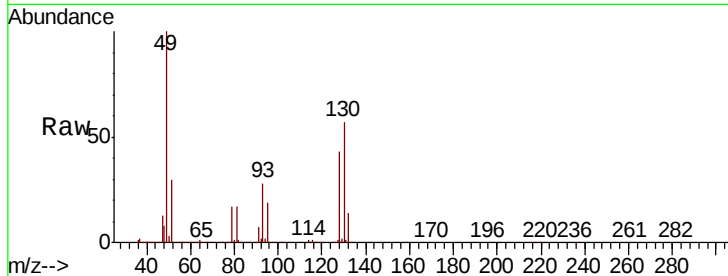
Tot Ion: 49 Resp: 1248422

Ion Ratio Lower Upper

49 100

128 47.0 23.5 70.6

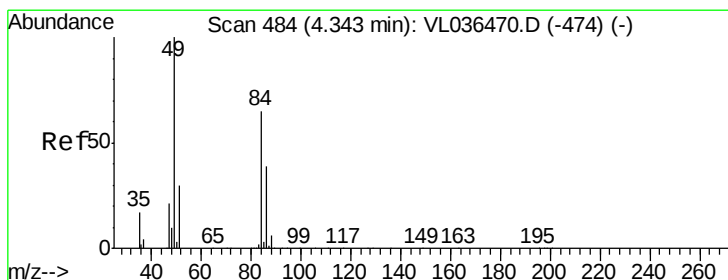
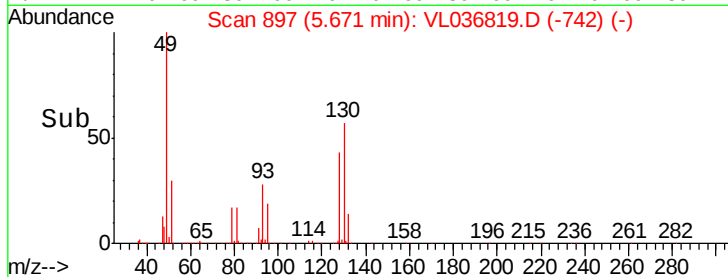
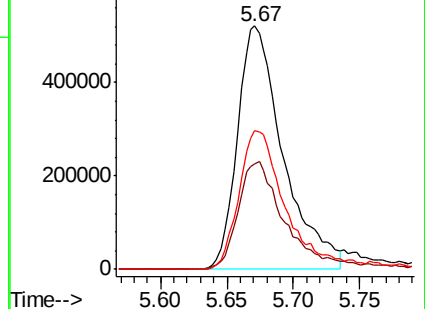
130 60.5 29.1 87.4



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



#20

Methylene Chloride

Concen: 0.388 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036819.D

Acq: 20 Apr 2021 12:11

Tgt Ion: 84 Resp: 22304

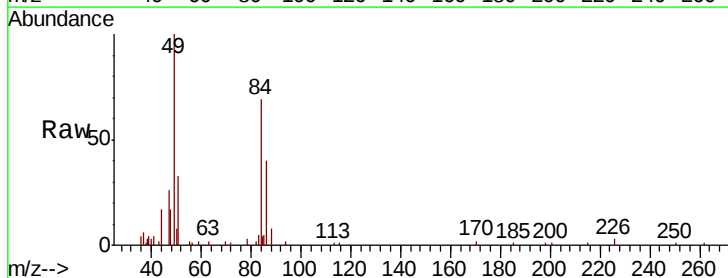
Ion Ratio Lower Upper

84 100

49 140.6 122.9 184.3

51 48.0 36.9 55.3

86 58.1 48.2 72.4

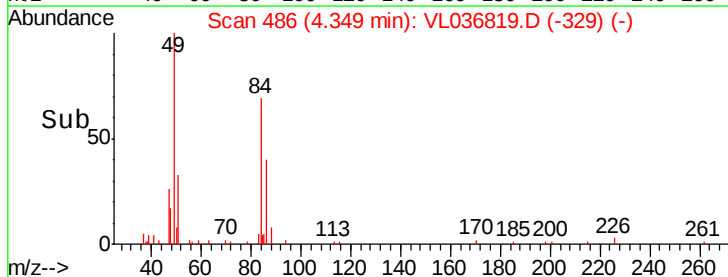
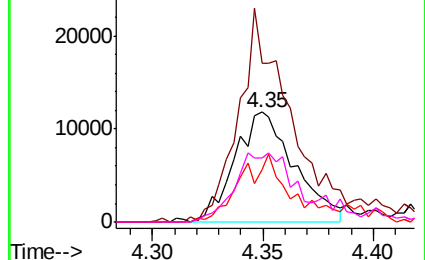


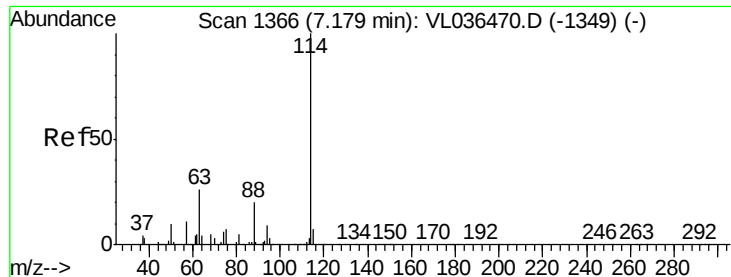
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

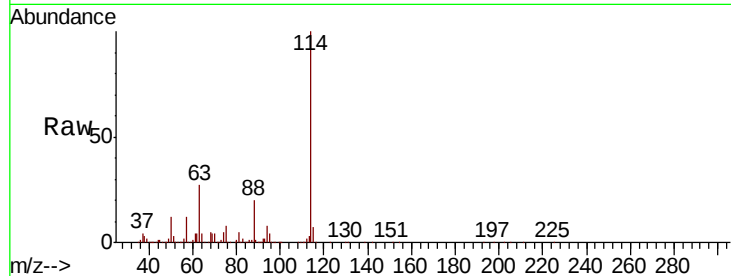
Ion 86.00 (85.70 to 86.70): VL0



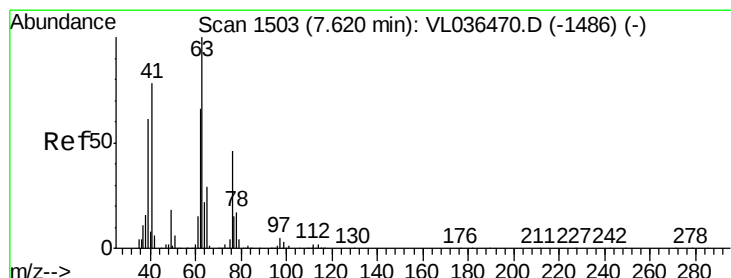
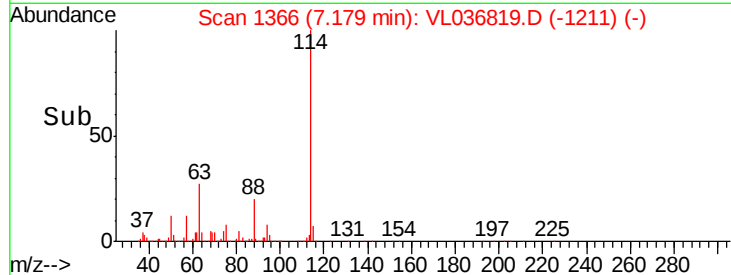
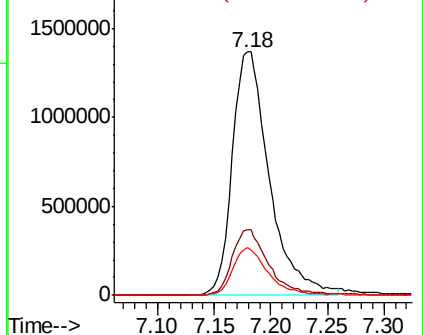


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:11

Tot Ion: 114 Resp: 3129525
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.4 33.6
 88 18.9 15.4 23.0

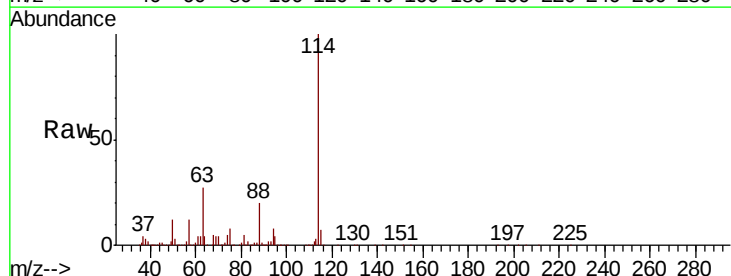


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

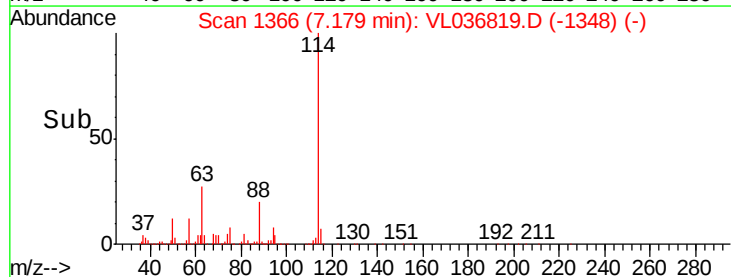
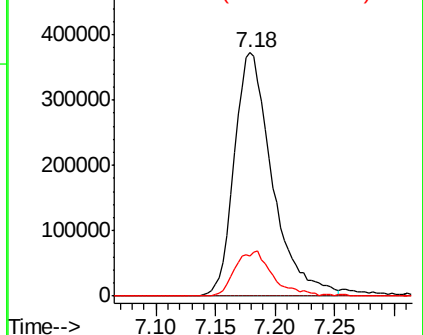


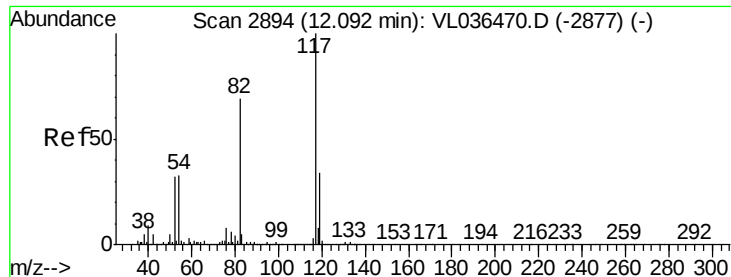
#39
 1,2-Dichloropropane
 Concen: 7.045 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T.: -0.44 min
 Lab File: VL036819.D
 Acq: 20 Apr 2021 12:11

Tgt Ion: 63 Resp: 824828
 Ion Ratio Lower Upper
 63 100
 41 0.3 62.4 93.6#
 62 16.5 52.8 79.2#



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

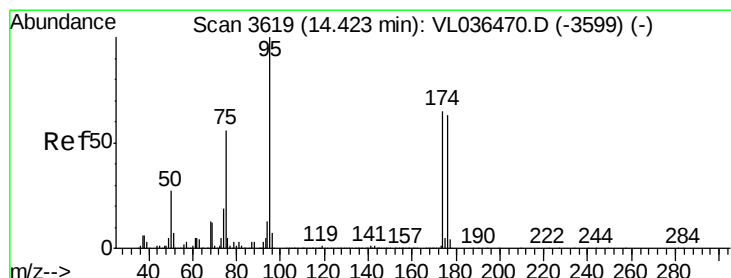
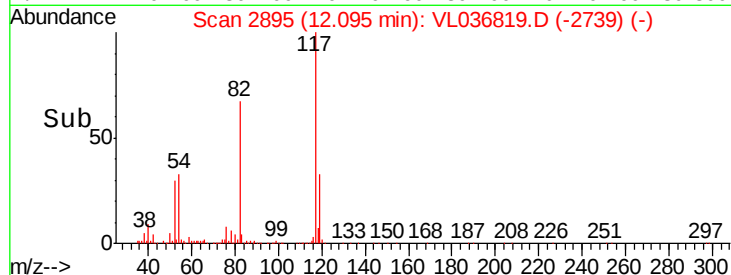
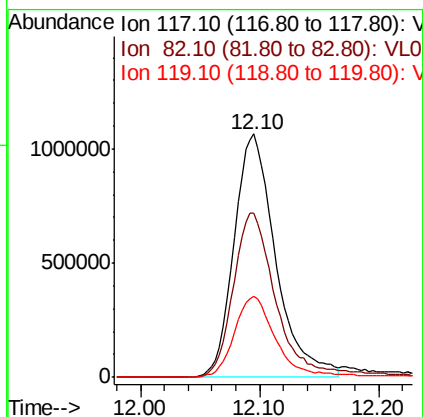
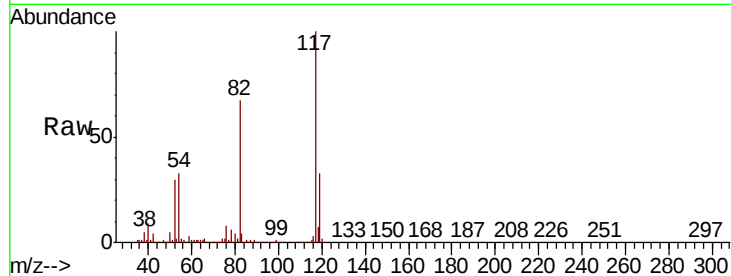




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:11

Tot Ion: 117 Resp: 2579682

Ion	Ratio	Lower	Upper
117	100		
82	72.4	57.4	86.0
119	34.9	47.4	71.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.429 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T.: 0.00 min
 Lab File: VL036819.D
 Acq: 20 Apr 2021 12:11

Tgt Ion: 95 Resp: 1938726

Ion	Ratio	Lower	Upper
95	100		
174	63.3	51.0	76.6
175	4.7	3.9	5.9

