

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037174.D
 Acq On : 16 Jun 2021 17:18
 Operator : SY/AP
 Sample : OC061521 CAN 10331
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:48:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1461597	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4249599	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3697042	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2699425	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

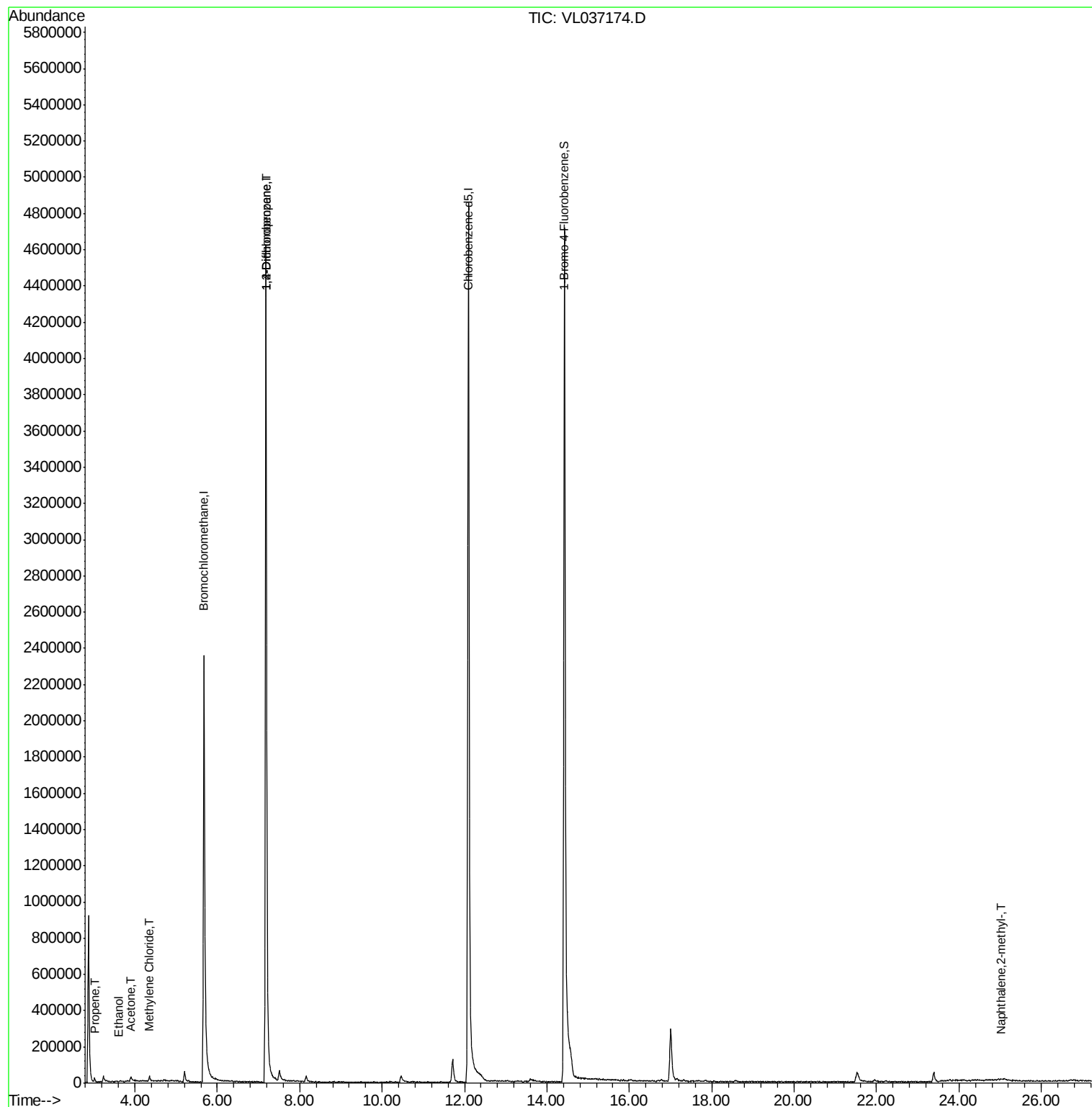
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3248	0.036	ppbv #	16
13) Ethanol	3.63	45	447	0.032	ppbv #	7
15) Acetone	3.89	43	16387	0.099	ppbv #	1
20) Methylene Chloride	4.35	84	6491	0.066	ppbv #	83
39) 1,2-Dichloropropane	7.18	63	1011793	7.924	ppbv #	23
80) Naphthalene,2-methyl-	25.01	142	3214	0.032	ppbv #	86

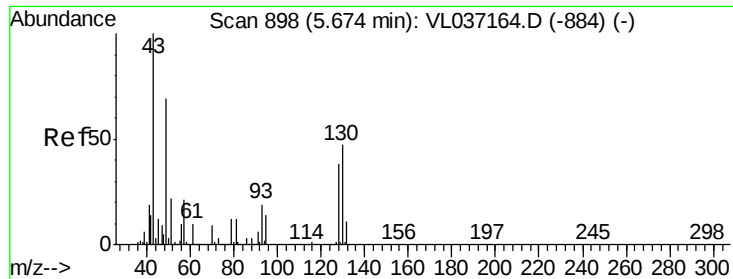
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

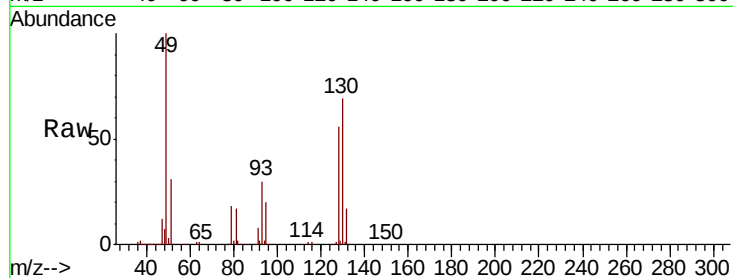
Lab File: VL037174.D

Acq: 16 Jun 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1461597

Ion	Ratio	Lower	Upper
49	100		
128	57.3	29.3	88.0
130	72.4	35.9	107.8

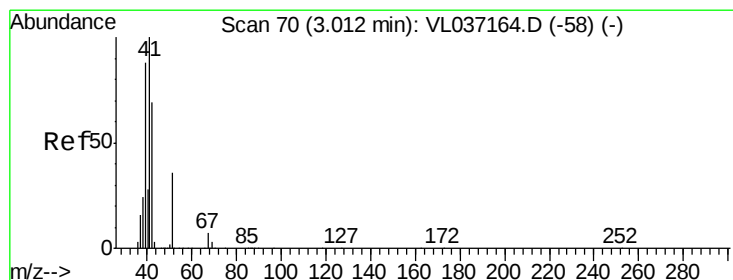
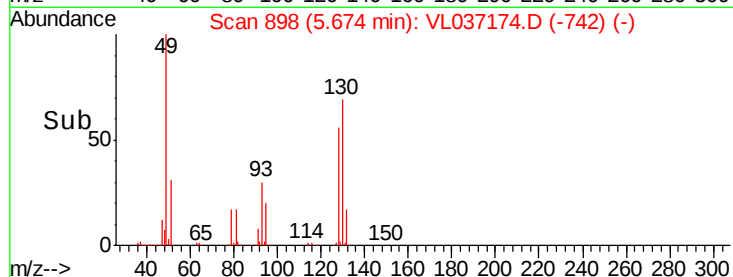
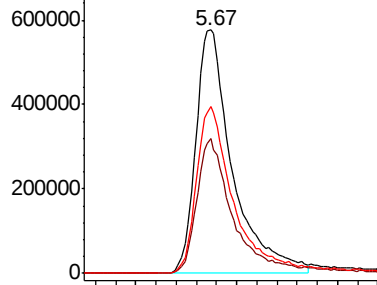


Abundance

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



#9

Propene

Concen: 0.036 ppbv

RT: 3.01 min Scan# 70

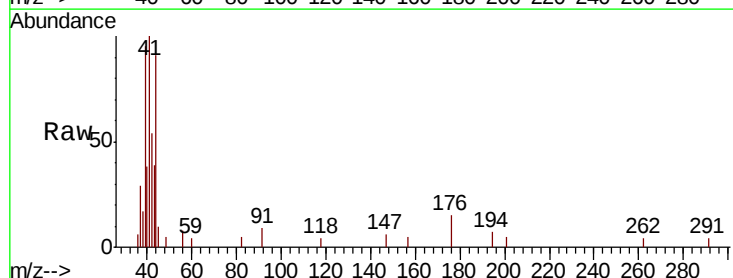
Delta R.T. 0.00 min

Lab File: VL037174.D

Acq: 16 Jun 2021 17:18

Tgt Ion: 41 Resp: 3248

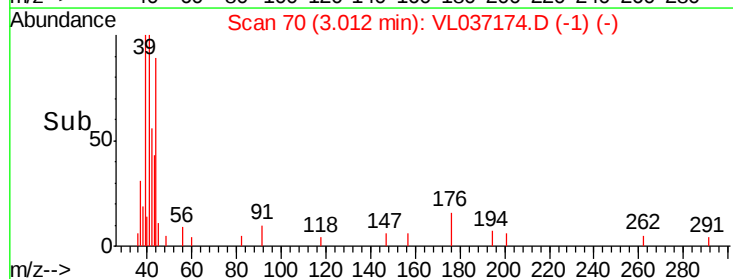
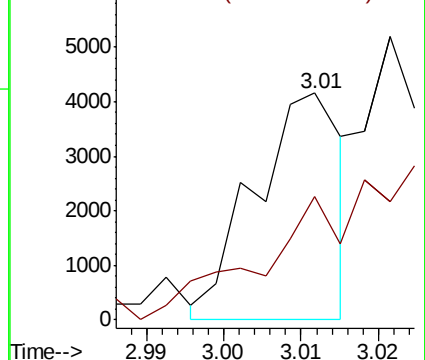
Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.5	81.7#

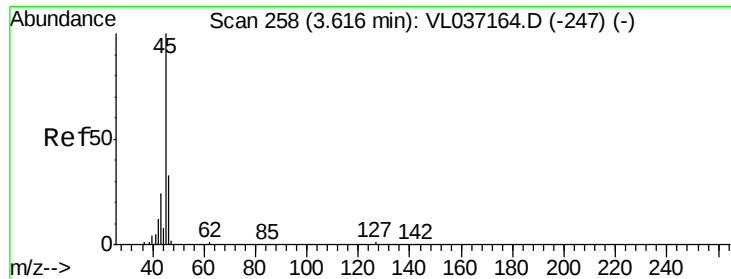


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

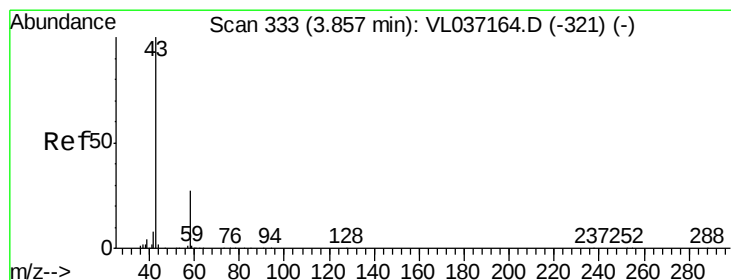
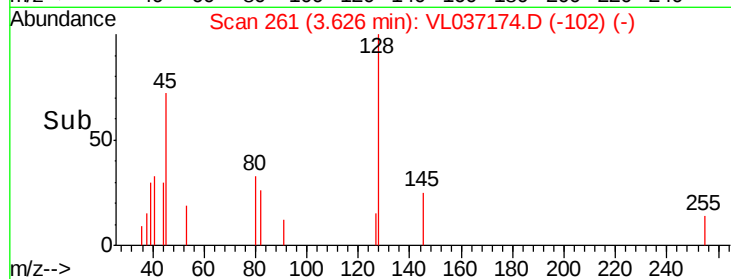
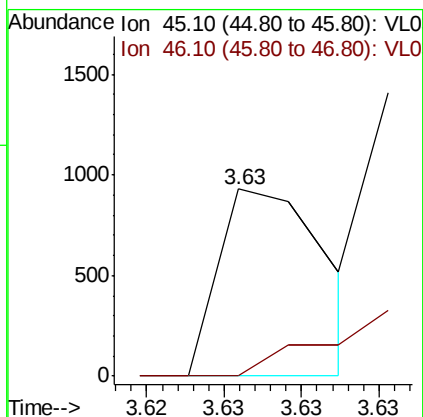
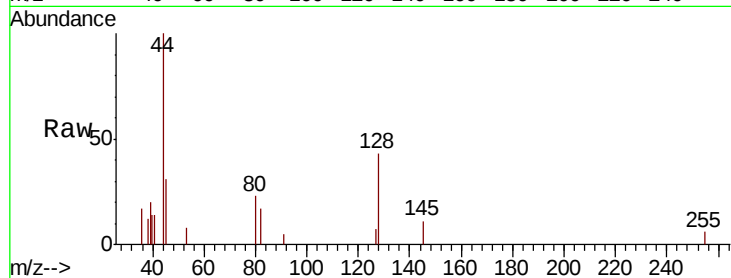




#13
Ethanol
Concen: 0.032 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037174.D
Acq: 16 Jun 2021 17:18

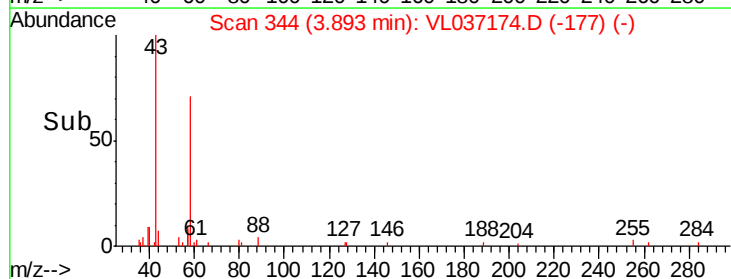
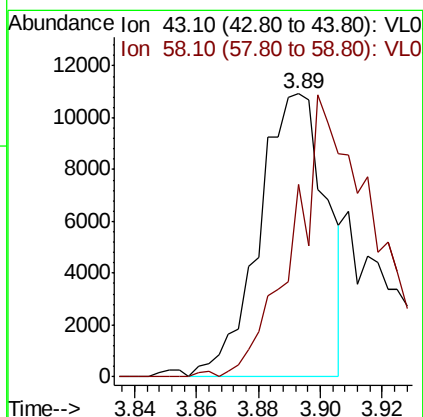
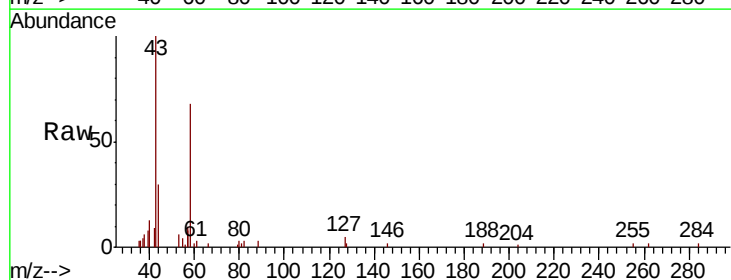
Instrument :
MSVOA_L
ClientSampleId :

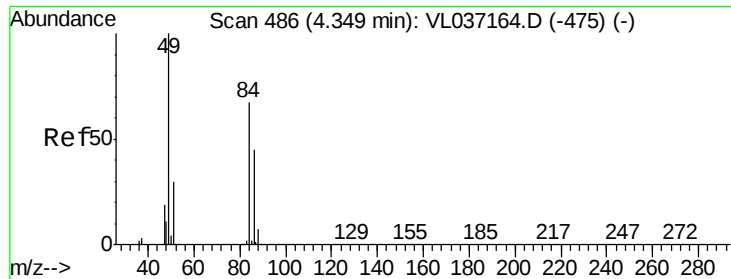
Tot Ion: 45 Resp: 447
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#



#15
Acetone
Concen: 0.099 ppbv
RT: 3.89 min Scan# 344
Delta R.T. 0.04 min
Lab File: VL037174.D
Acq: 16 Jun 2021 17:18

Tgt Ion: 43 Resp: 16387
Ion Ratio Lower Upper
43 100
58 157.6 23.7 35.5#

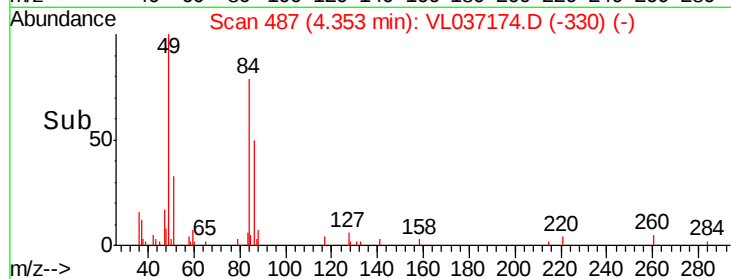
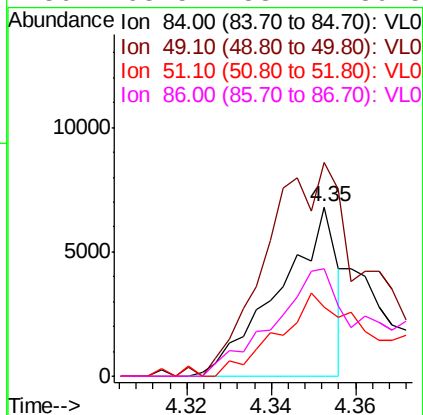
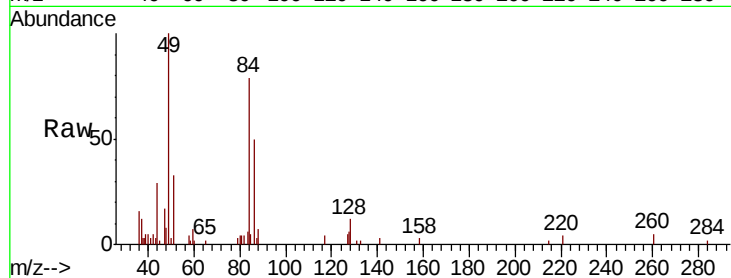




#20
Methylene Chloride
Concen: 0.066 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.00 min
Lab File: VL037174.D
Acq: 16 Jun 2021 17:18

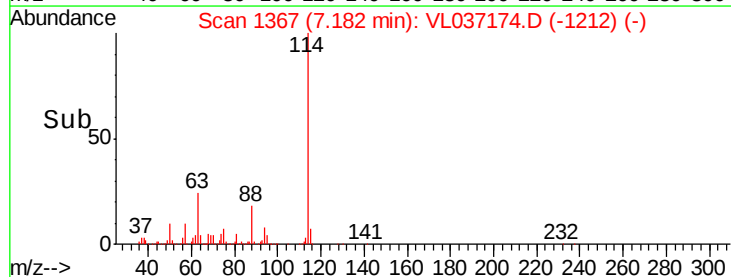
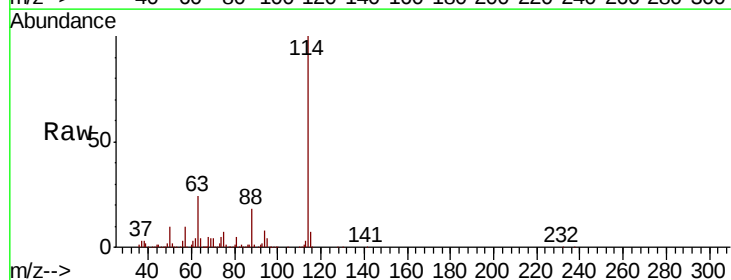
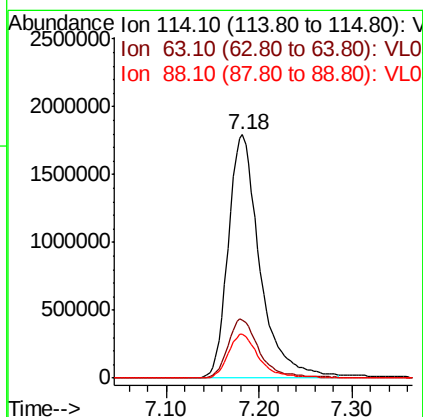
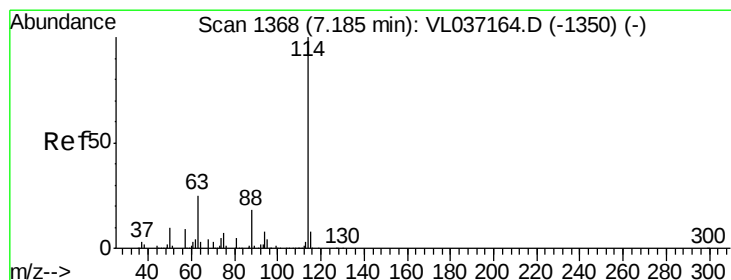
Instrument :
MSVOA_L
ClientSampled :

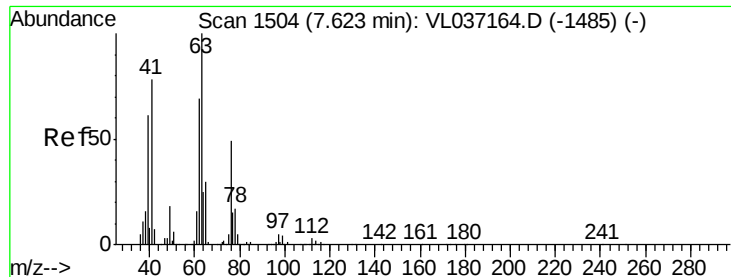
Tot Ion:	84	Resp:	6491
Ion	Ratio	Lower	Upper
84	100		
49	121.0	119.7	179.5
51	35.1	36.1	54.1#
86	63.5	53.7	80.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL037174.D
Acq: 16 Jun 2021 17:18

Tgt Ion:	114	Resp:	4249599
Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	17.8	14.2	21.2

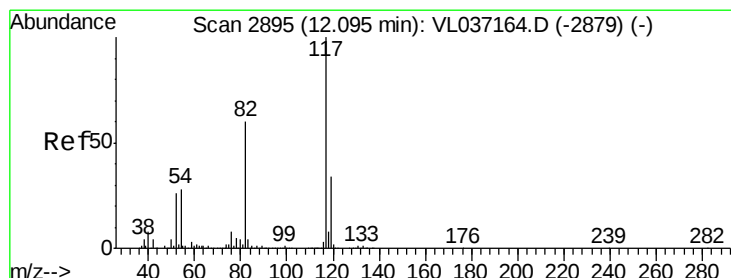
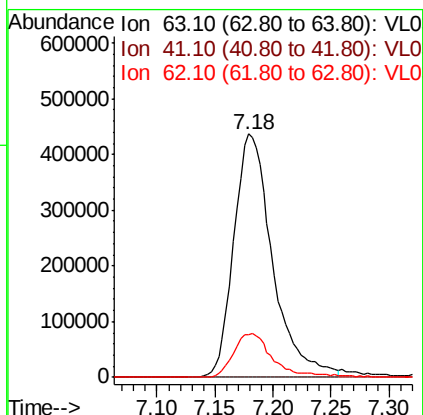
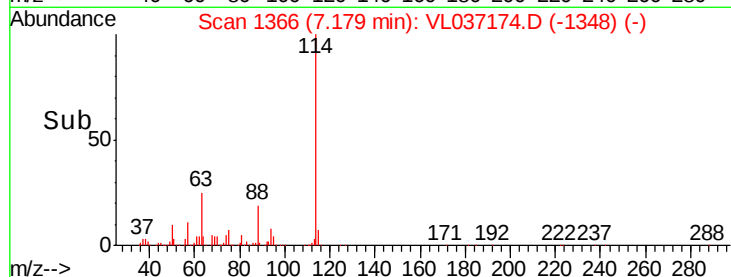
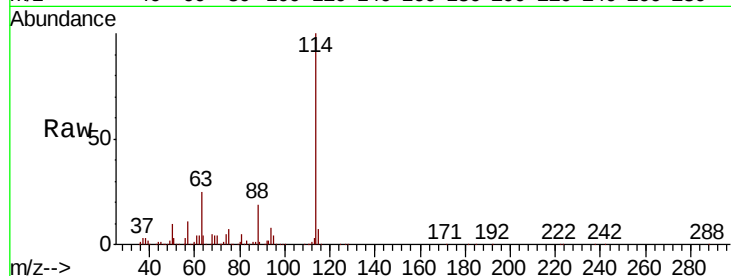




#39
 1,2-Dichloropropane
 Concen: 7.924 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL037174.D
 Acq: 16 Jun 2021 17:18

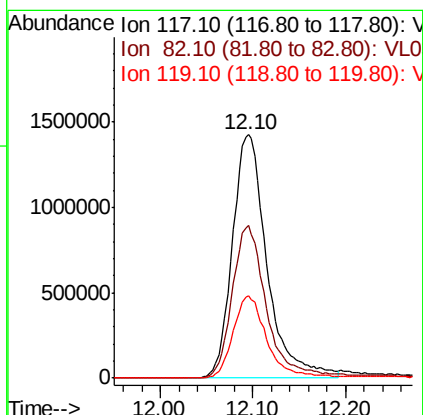
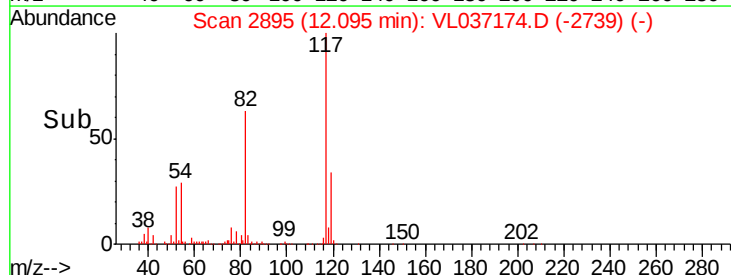
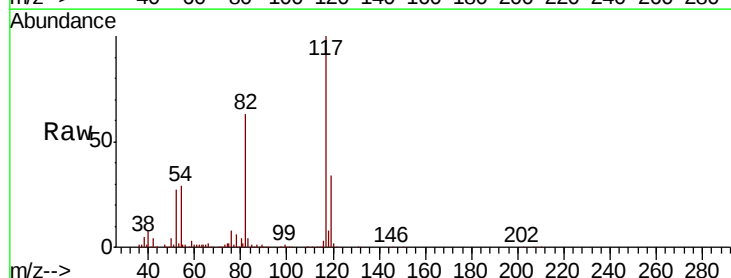
Instrument :
 MSVOA_L
 ClientSampleId :

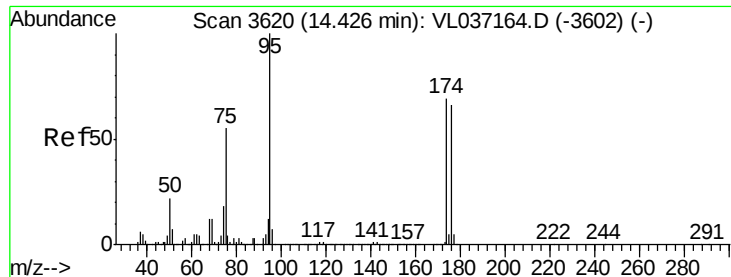
Tot Ion: 63 Resp: 1011793
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 17.7 54.9 82.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VL037174.D
 Acq: 16 Jun 2021 17:18

Tgt Ion: 117 Resp: 3697042
 Ion Ratio Lower Upper
 117 100
 82 63.8 51.7 77.5
 119 33.8 47.6 71.4#

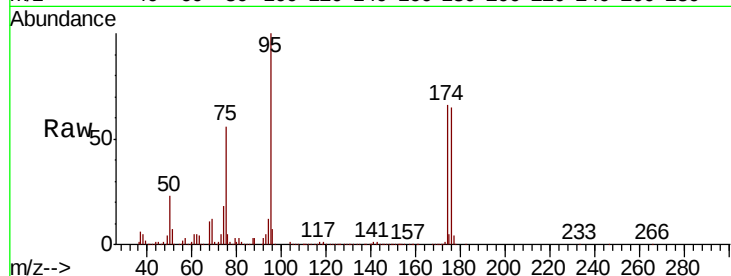




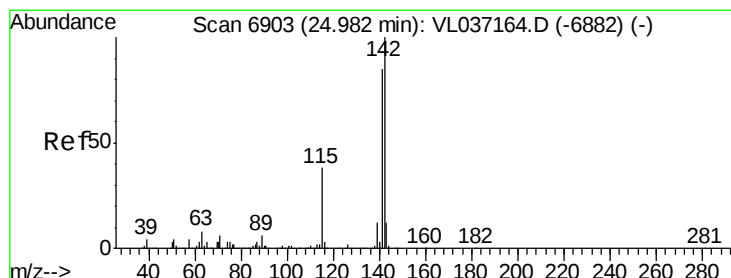
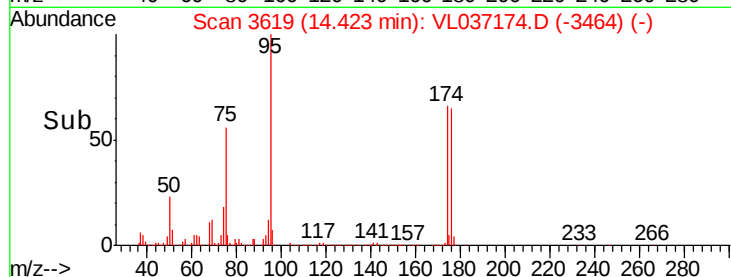
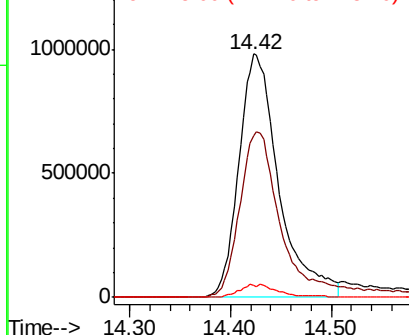
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.636 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL037174.D
 Acq: 16 Jun 2021 17:18

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 95 Resp: 2699425
 Ion Ratio Lower Upper
 95 100
 174 75.3 57.0 85.4
 175 5.8 4.4 6.6

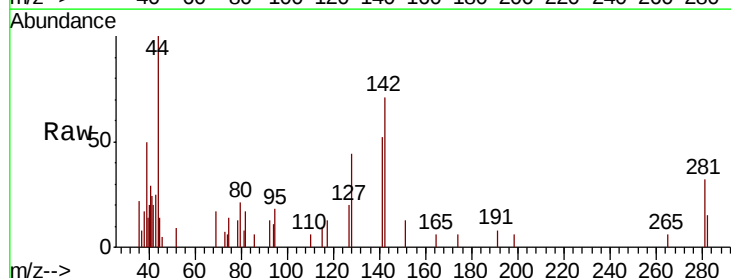


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



#80
 Naphthalene, 2-methyl-
 Concen: 0.032 ppbv
 RT: 25.01 min Scan# 6913
 Delta R.T. 0.03 min
 Lab File: VL037174.D
 Acq: 16 Jun 2021 17:18

Tgt Ion: 142 Resp: 3214
 Ion Ratio Lower Upper
 142 100
 141 74.1 63.7 95.5
 115 20.3 30.6 45.8#



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

