

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041322\
 Data File : VL038904.D
 Acq On : 13 Apr 2022 15:01
 Operator : SY/AP
 Sample : VL0413ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0413ABL01

Quant Time: Apr 25 08:28:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1257349	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3101744	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2664555	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2154376	10.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

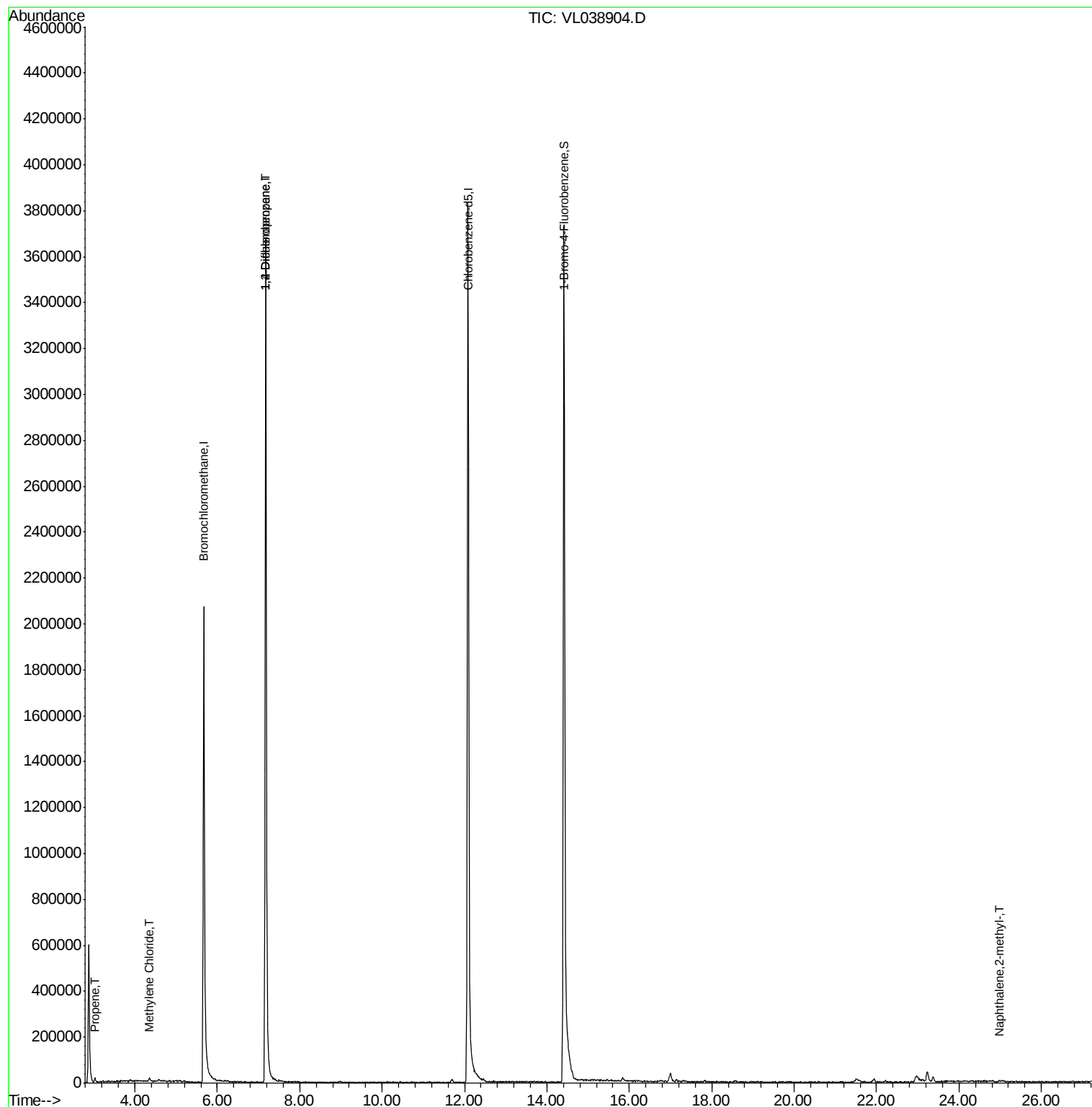
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	5505	0.068	ppbv	98
20) Methylene Chloride	4.35	84	4591	0.101	ppbv #	59
39) 1,2-Dichloropropane	7.17	63	820746	7.605	ppbv #	27
80) Naphthalene,2-methyl-	24.97	142	2795	0.043	ppbv #	79

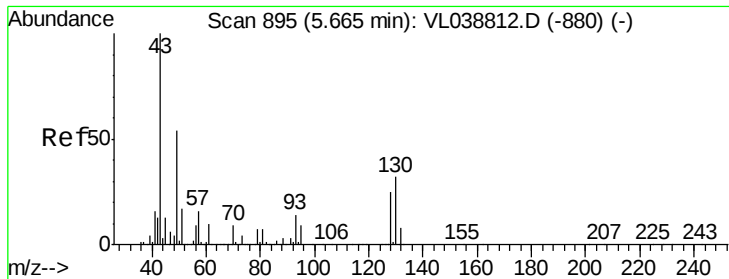
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0413ABL01

Acq: 13 Apr 2022 15:01

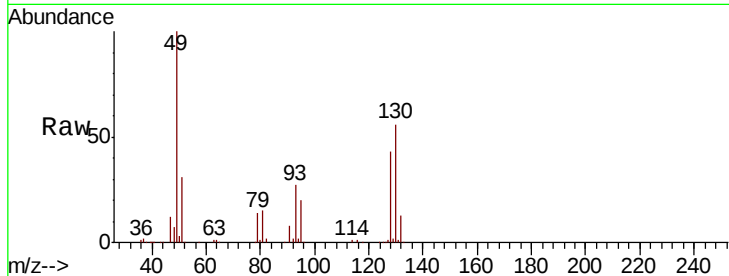
Tot Ion: 49 Resp: 1257349

Ion Ratio Lower Upper

49 100

128 47.4 24.1 72.3

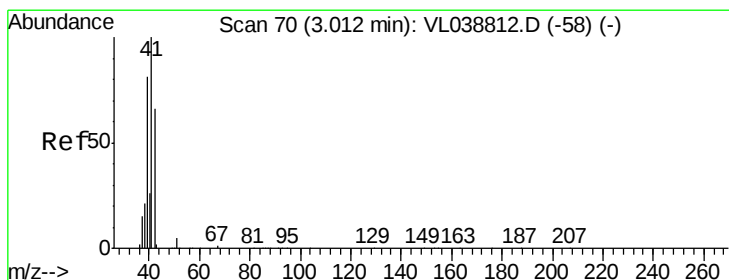
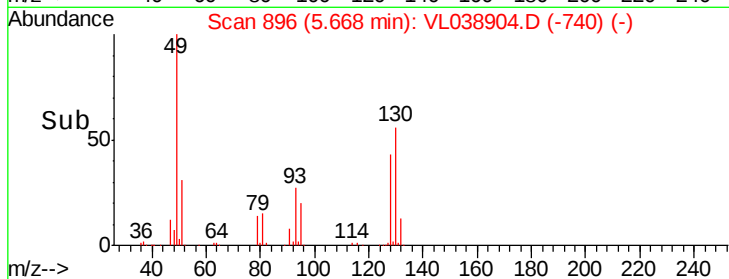
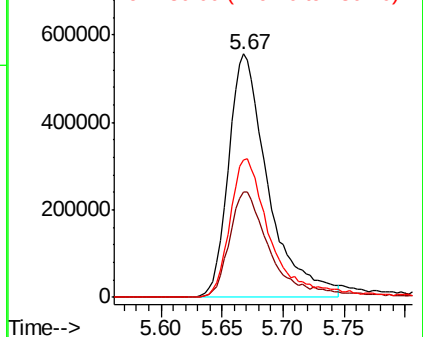
130 61.5 30.9 92.8



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: 0.068 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL038904.D

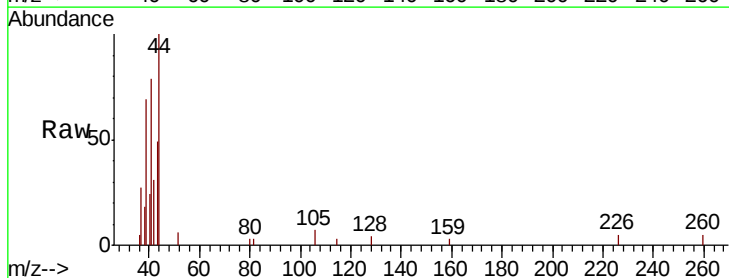
Acq: 13 Apr 2022 15:01

Tgt Ion: 41 Resp: 5505

Ion Ratio Lower Upper

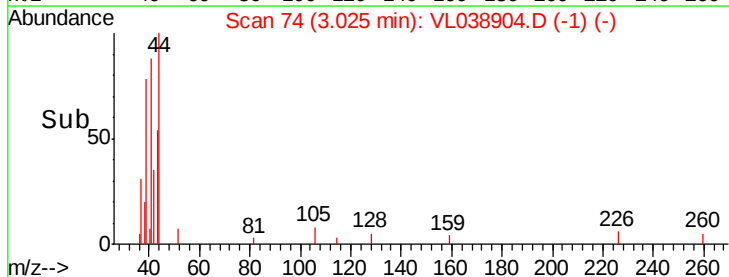
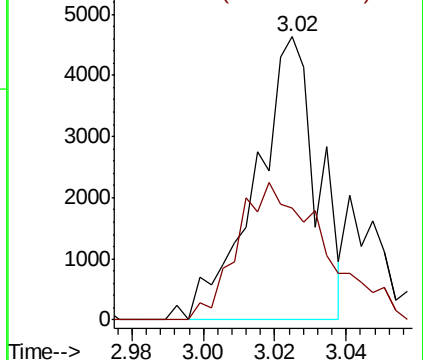
41 100

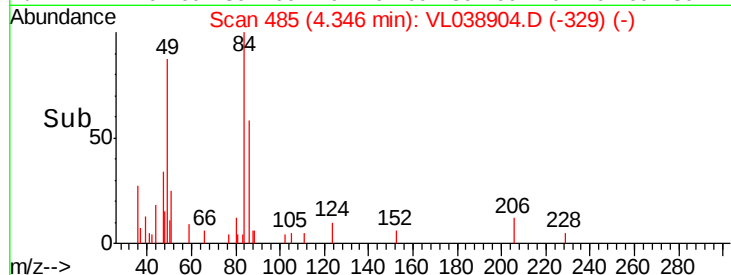
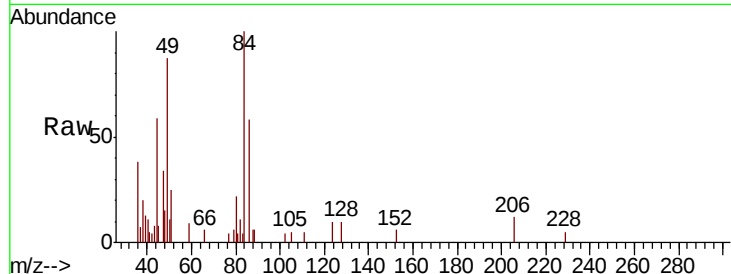
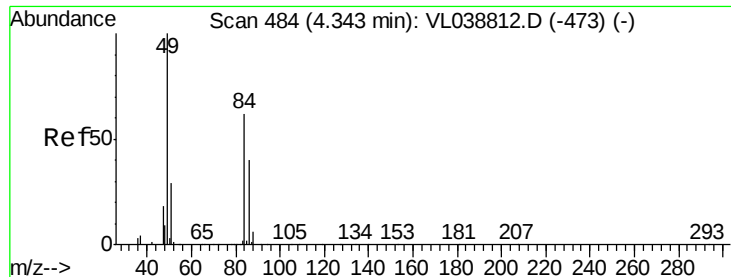
42 69.0 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

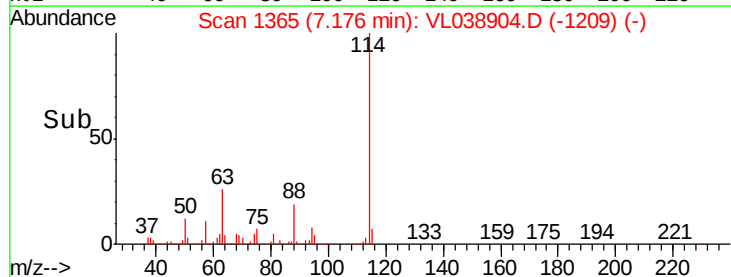
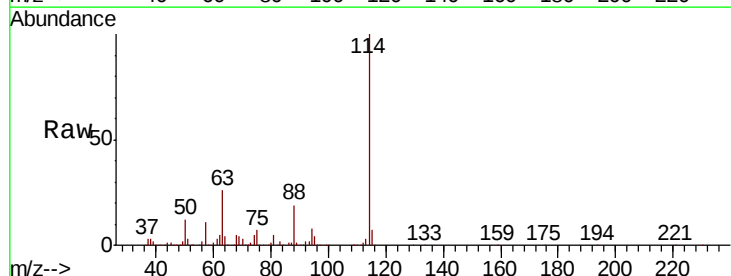
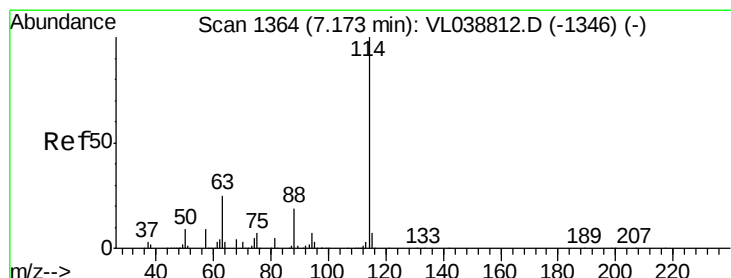
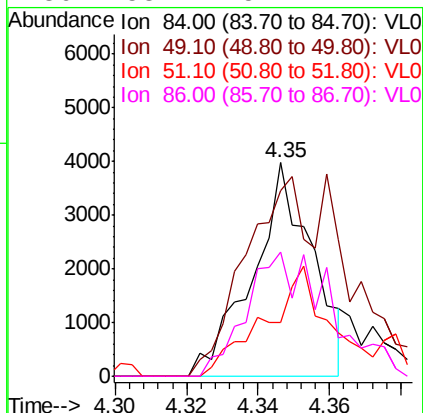
Ion 42.10 (41.80 to 42.80): VL0





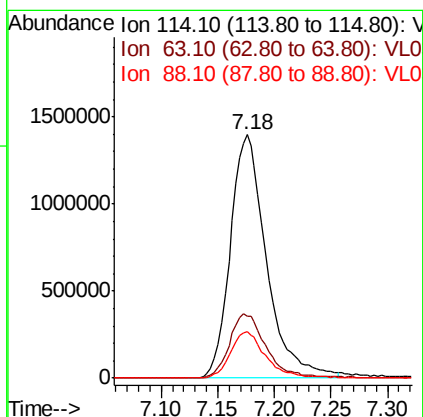
#20
Methvlene Chloride
Concen: 0.101 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0413ABL01
Acq: 13 Apr 2022 15:01

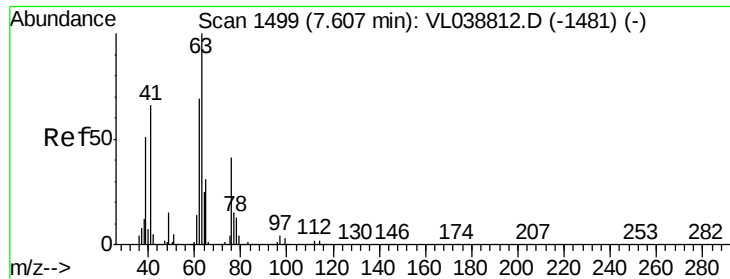
Tot Ion: 84 Resp: 4591
Ion Ratio Lower Upper
84 100
49 86.8 129.4 194.0#
51 25.5 37.4 56.2#
86 58.4 51.4 77.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.00 min
Lab File: VL038904.D
Acq: 13 Apr 2022 15:01

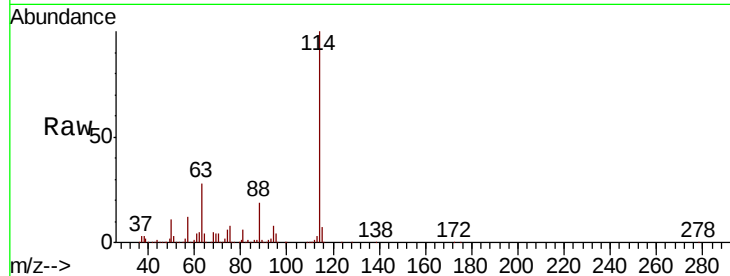
Tgt Ion: 114 Resp: 3101744
Ion Ratio Lower Upper
114 100
63 27.2 19.8 29.8
88 19.3 14.2 21.4





#39
 1,2-Dichloropropane
 Concen: 7.605 ppbv
 RT: 7.17
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0413ABL01
 Acq: 13 Apr 2022 15:01

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	53.0	79.6#
62	16.6	55.0	82.4#

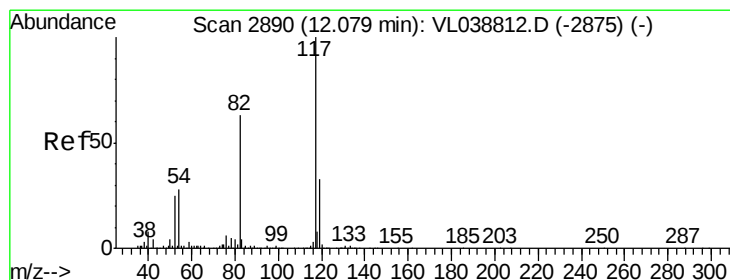
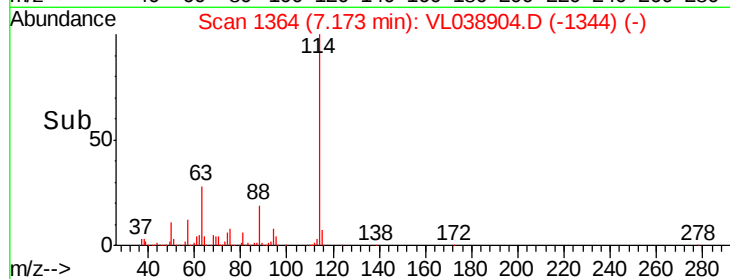
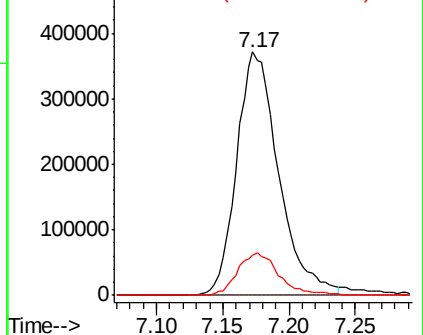


Abundance

Ion 63.10 (62.80 to 63.80): VL0

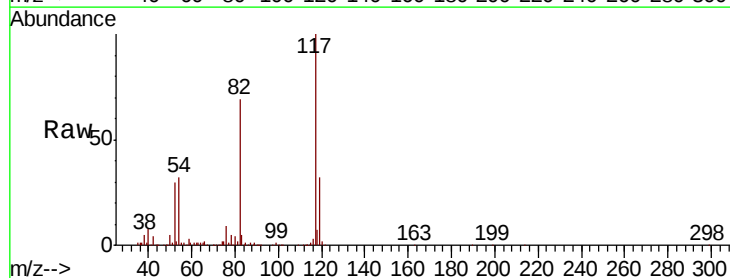
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. 0.01 min
 Lab File: VL038904.D
 Acq: 13 Apr 2022 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	73.6	53.0	79.6
119	33.9	24.9	37.3

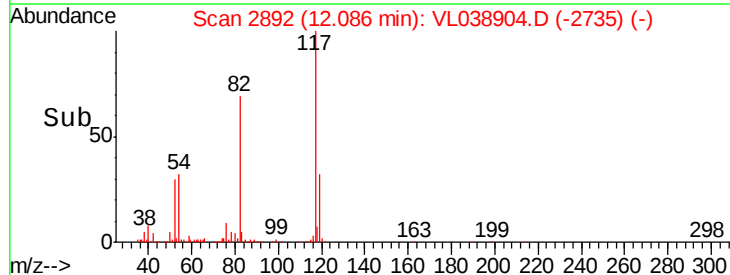
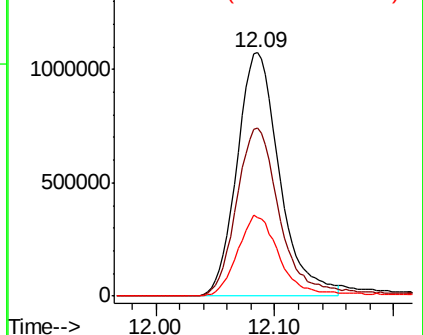


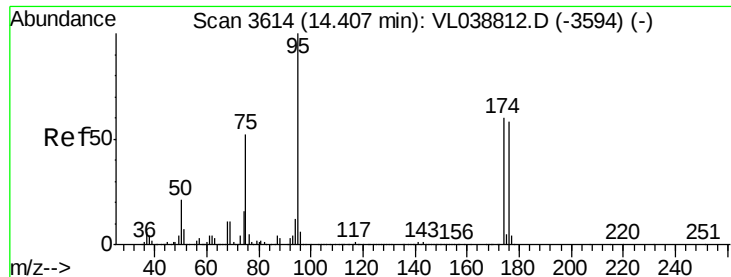
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

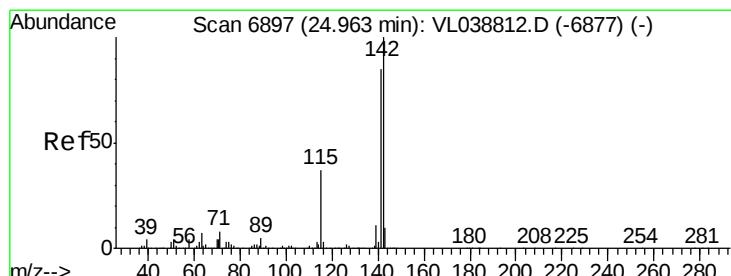
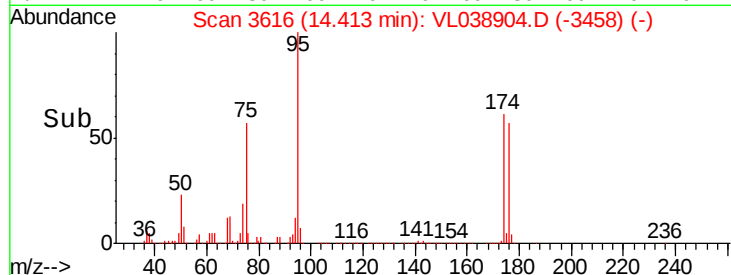
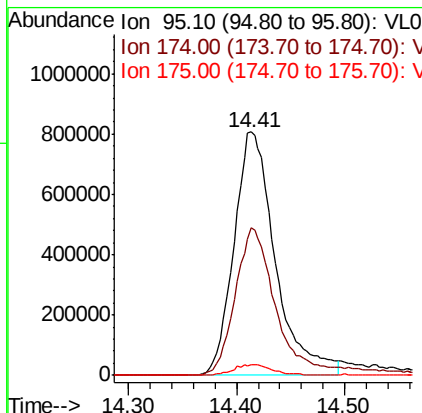
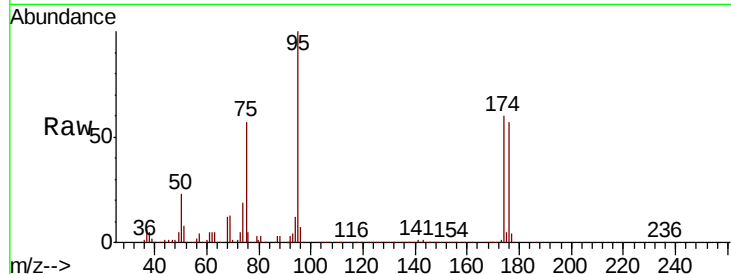
Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.659 ppbv
 RT: 14.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 VL0413ABL01
 Acq: 13 Apr 2022 15:01

Tot Ion: 95 Resp: 2154376
 Ion Ratio Lower Upper
 95 100
 174 63.9 52.0 78.0
 175 4.8 4.0 6.0



#80
 Naphthalene, 2-methyl-
 Concen: 0.043 ppbv
 RT: 24.97 min Scan# 6900
 Delta R.T. 0.01 min
 Lab File: VL038904.D
 Acq: 13 Apr 2022 15:01

Tgt Ion: 142 Resp: 2795
 Ion Ratio Lower Upper
 142 100
 141 102.0 68.8 103.2
 115 21.8 31.6 47.4#

