

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
 Data File : VL040592.D
 Acq On : 7 Aug 2023 9:54
 Operator : SY/MD
 Sample : VL0807ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0807ABL01

Quant Time: Aug 08 01:40:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

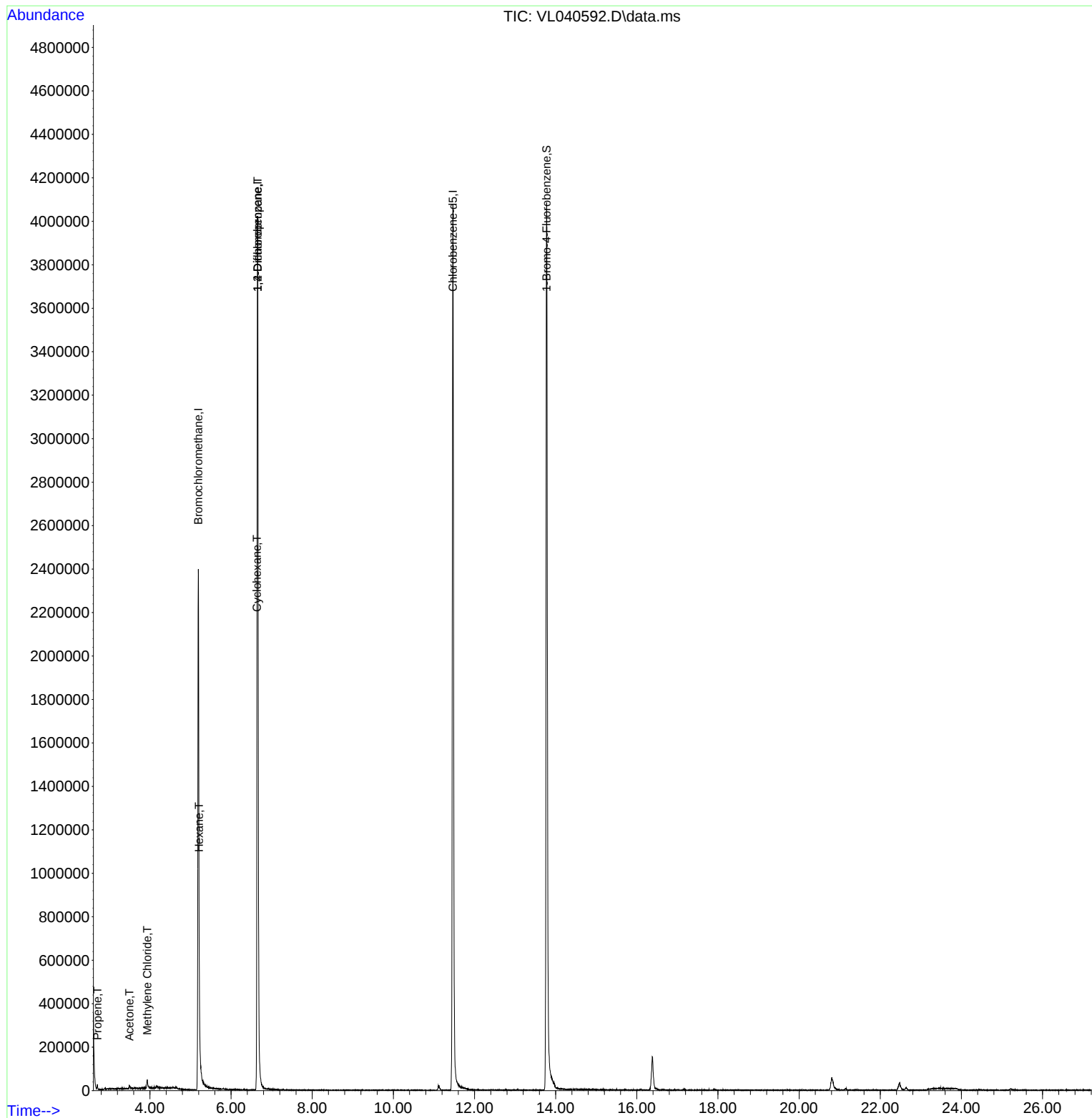
Internal Standards						
1) Bromochloromethane	5.192	49	1195784	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2979353	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2509509	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2011753	10.129	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						
					Qvalue	
9) Propene	2.706	41	4395	0.068	ppbv	87
15) Acetone	3.497	43	10141	0.074	ppbv #	74
20) Methylene Chloride	3.935	84	12637	0.216	ppbv #	91
26) Hexane	5.211	57	3880	0.032	ppbv #	40
30) Cyclohexane	6.639	84	4624	0.046	ppbv #	1
39) 1,2-Dichloropropane	6.652	63	756540	8.198	ppbv #	26

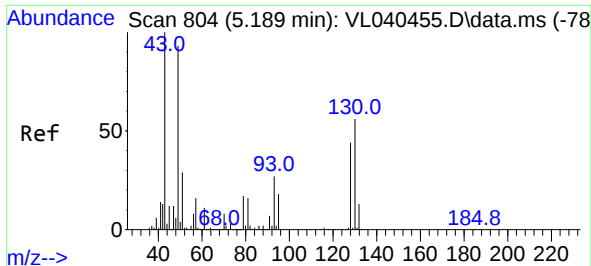
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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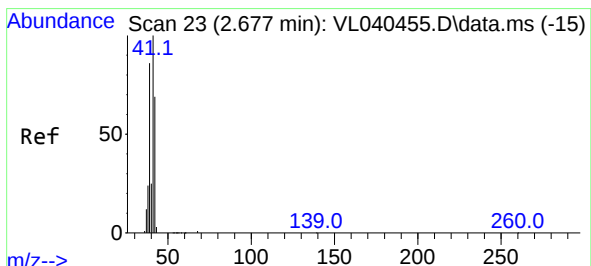
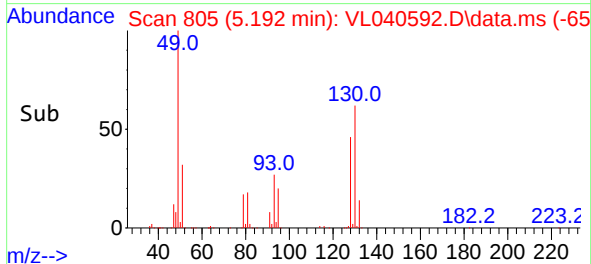
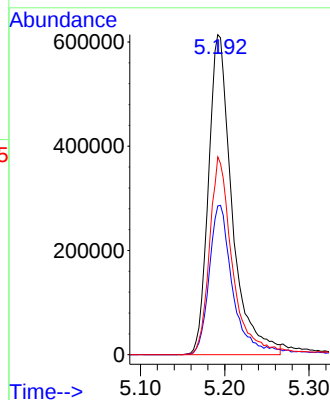
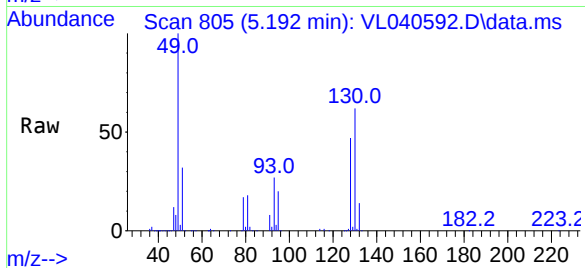




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

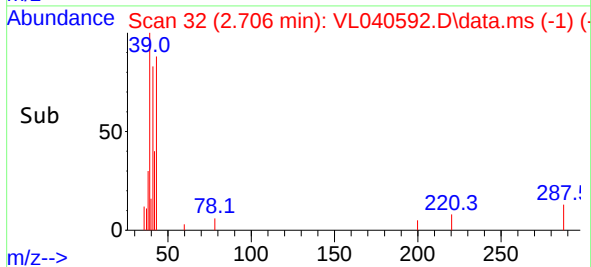
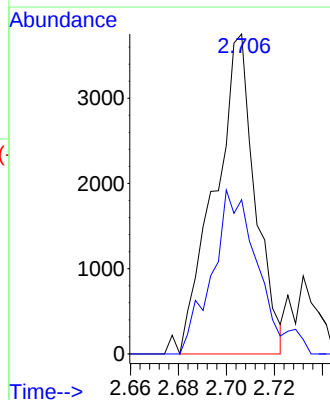
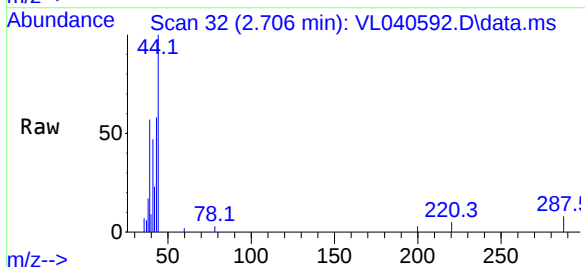
Instrument :
MSVOA_L
ClientSampleId :
VL0807ABL01

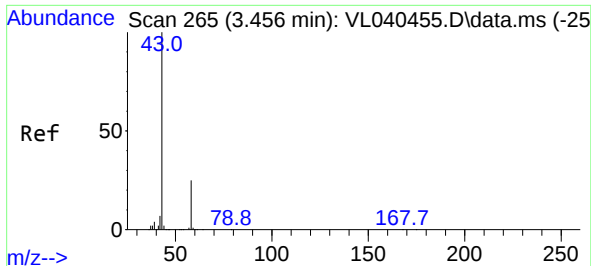
Tgt Ion: 49 Resp: 1195784
Ion Ratio Lower Upper
49 100
128 48.4 25.1 75.4
130 62.3 31.6 94.7



#9
Propene
Concen: 0.068 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.003 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

Tgt Ion: 41 Resp: 4395
Ion Ratio Lower Upper
41 100
42 58.5 55.0 82.6

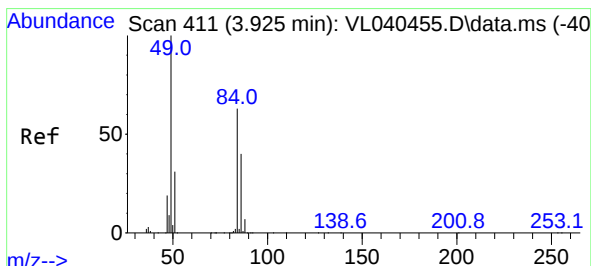
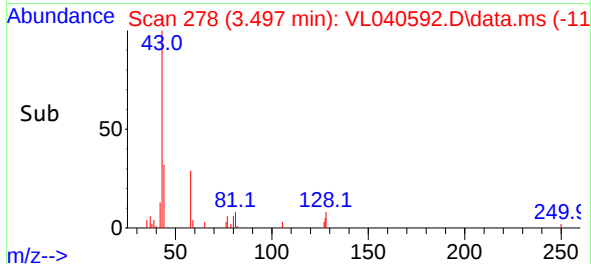
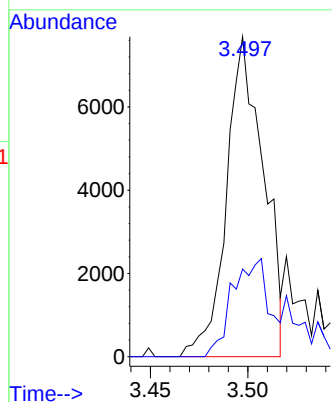
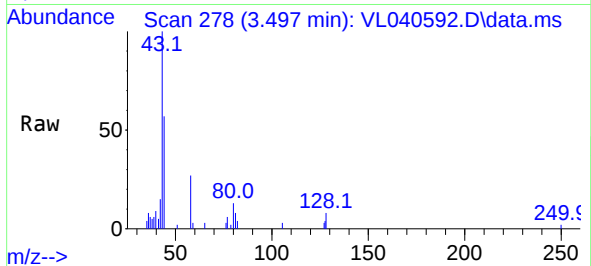




#15
Acetone
Concen: 0.074 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

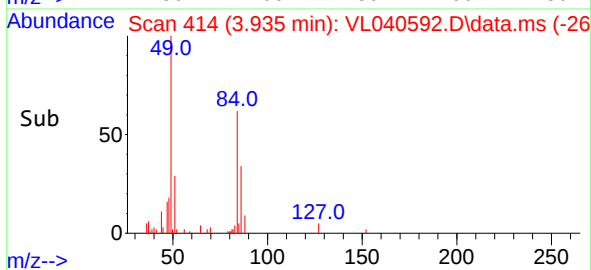
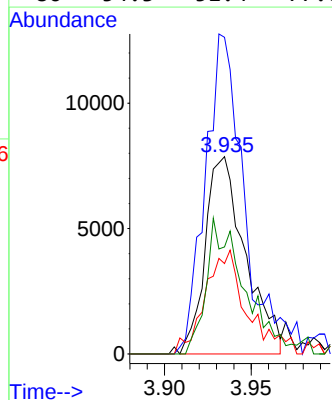
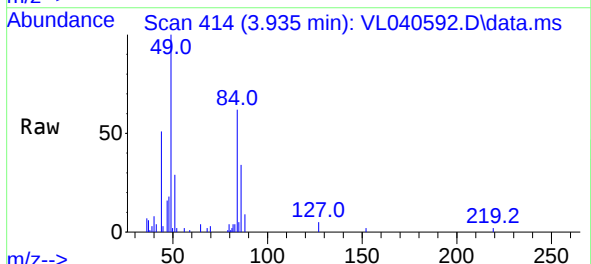
Instrument :
MSVOA_L
ClientSampleId :
VL0807ABL01

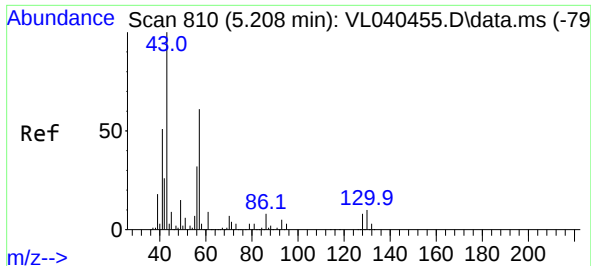
Tgt Ion: 43 Resp: 10141
Ion Ratio Lower Upper
43 100
58 42.6 22.9 34.3#



#20
Methylene Chloride
Concen: 0.216 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.007 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

Tgt Ion: 84 Resp: 12637
Ion Ratio Lower Upper
84 100
49 160.4 123.4 185.2
51 37.7 38.3 57.5#
86 54.3 51.4 77.0

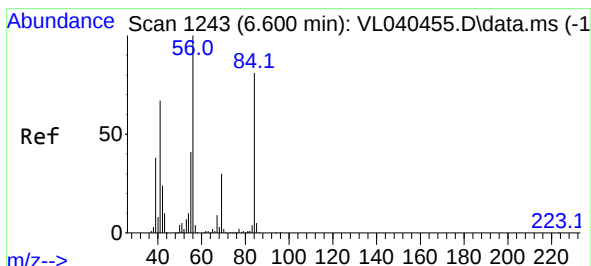
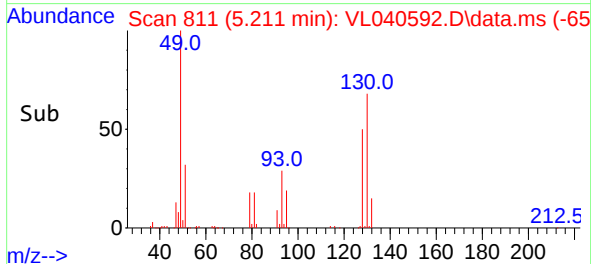
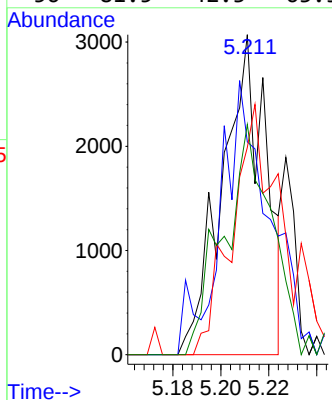
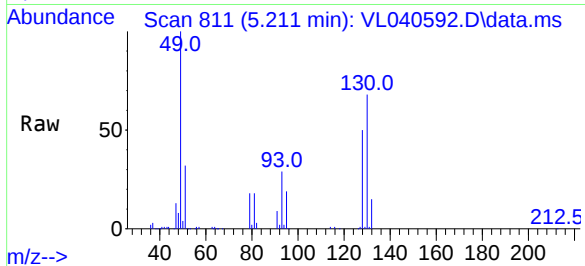




#26
Hexane
Concen: 0.032 ppbv
RT: 5.211 min Scan# 810
Delta R.T. -0.010 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

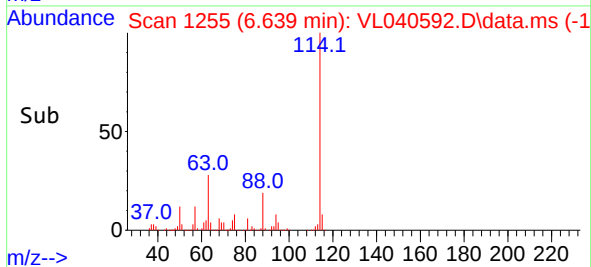
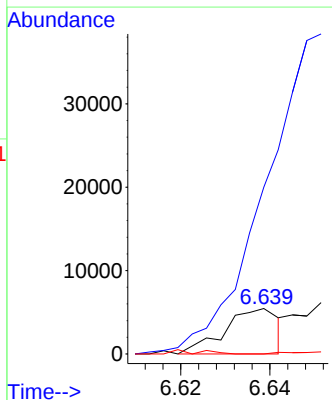
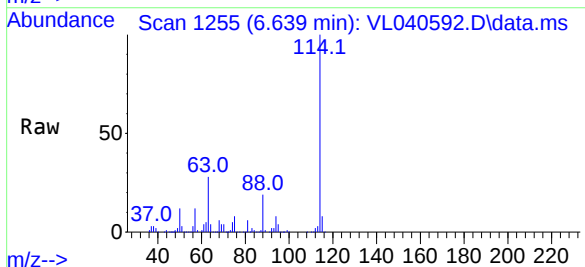
Instrument :
MSVOA_L
ClientSampleId :
VL0807ABL01

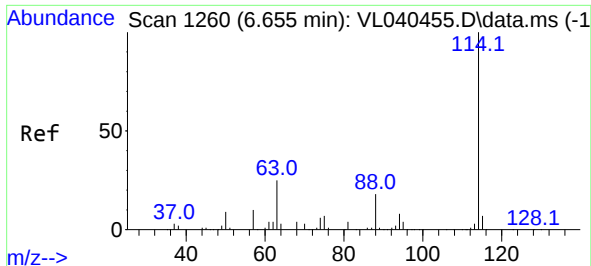
Tgt Ion: 57 Resp: 3880
Ion Ratio Lower Upper
57 100
41 110.5 69.5 104.3#
43 94.5 177.1 265.7#
56 81.5 42.3 63.5#



#30
Cyclohexane
Concen: 0.046 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.029 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

Tgt Ion: 84 Resp: 4624
Ion Ratio Lower Upper
84 100
56 0.0 108.7 163.1#
41 4.6 64.5 96.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040592.D

Acq: 7 Aug 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VL0807ABL01

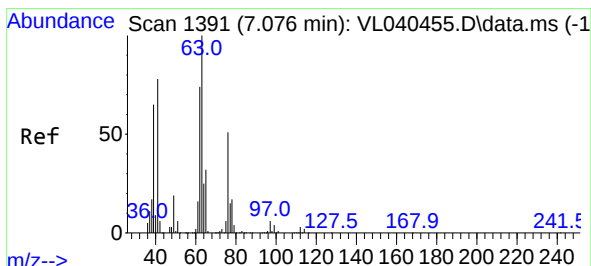
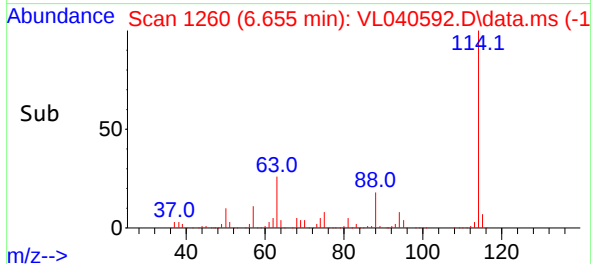
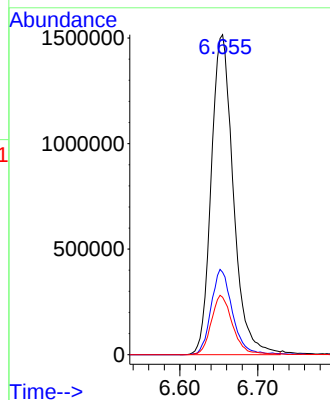
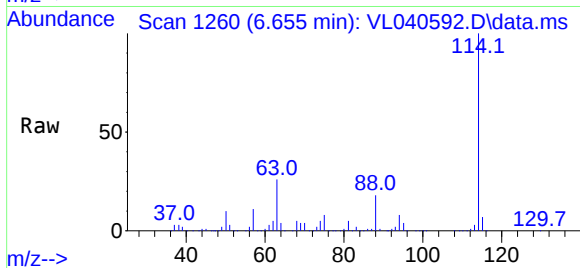
Tgt Ion:114 Resp: 2979353

Ion Ratio Lower Upper

114 100

63 26.2 19.6 29.4

88 18.1 14.2 21.2



#39

1,2-Dichloropropane

Concen: 8.198 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.431 min

Lab File: VL040592.D

Acq: 7 Aug 2023 9:54

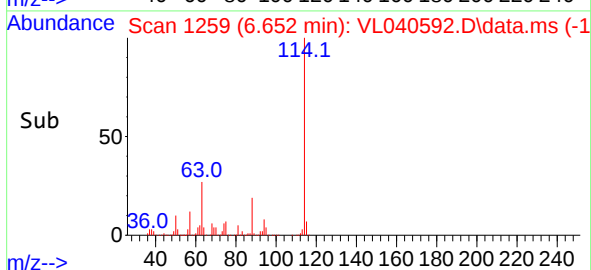
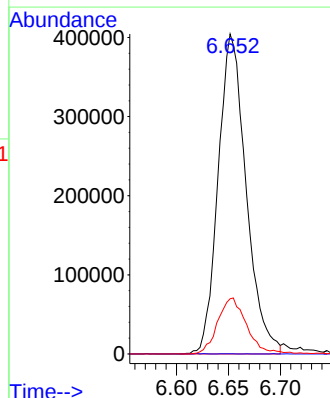
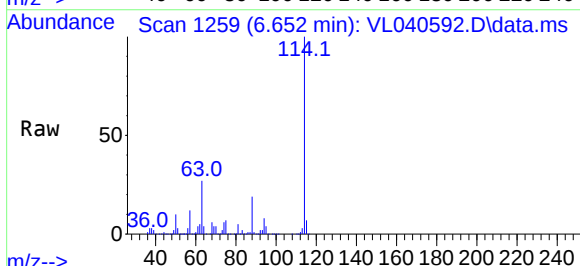
Tgt Ion: 63 Resp: 756540

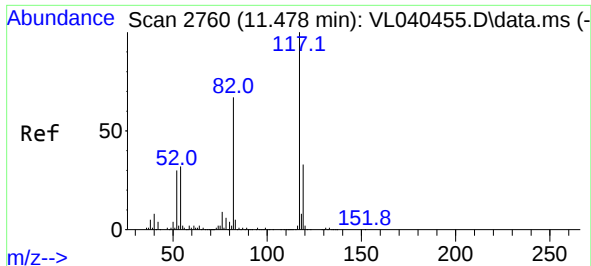
Ion Ratio Lower Upper

63 100

41 0.1 54.3 81.5#

62 17.2 55.6 83.4#



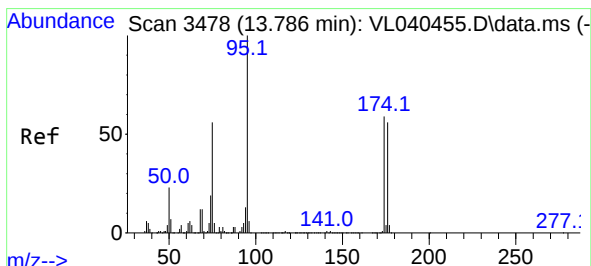
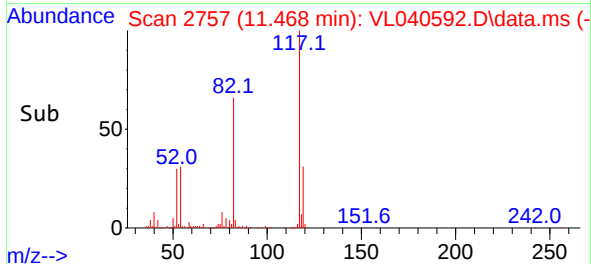
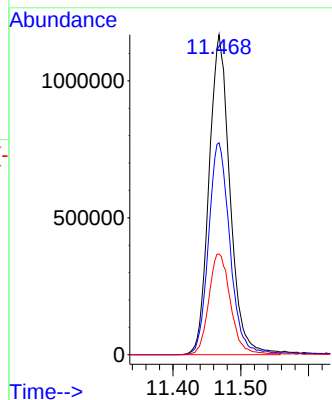
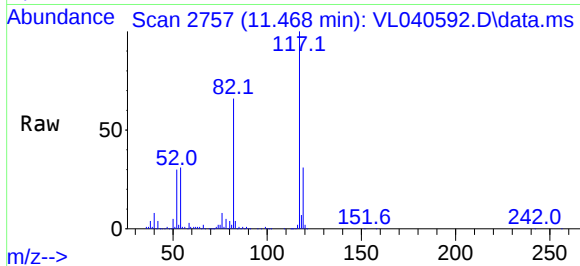


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VL0807ABL01

Tgt Ion:117 Resp: 2509509

Ion	Ratio	Lower	Upper
117	100		
82	68.6	50.2	75.4
119	33.0	26.9	40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.129 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.007 min
Lab File: VL040592.D
Acq: 7 Aug 2023 9:54

Tgt Ion: 95 Resp: 2011753

Ion	Ratio	Lower	Upper
95	100		
174	61.9	50.6	75.8
175	4.2	3.7	5.5

