

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040415.D
 Acq On : 12 May 2023 9:41
 Operator : SY/MD
 Sample : QC050423 CAN 10283
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC050423 CAN 10283

Quant Time: May 12 15:57:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

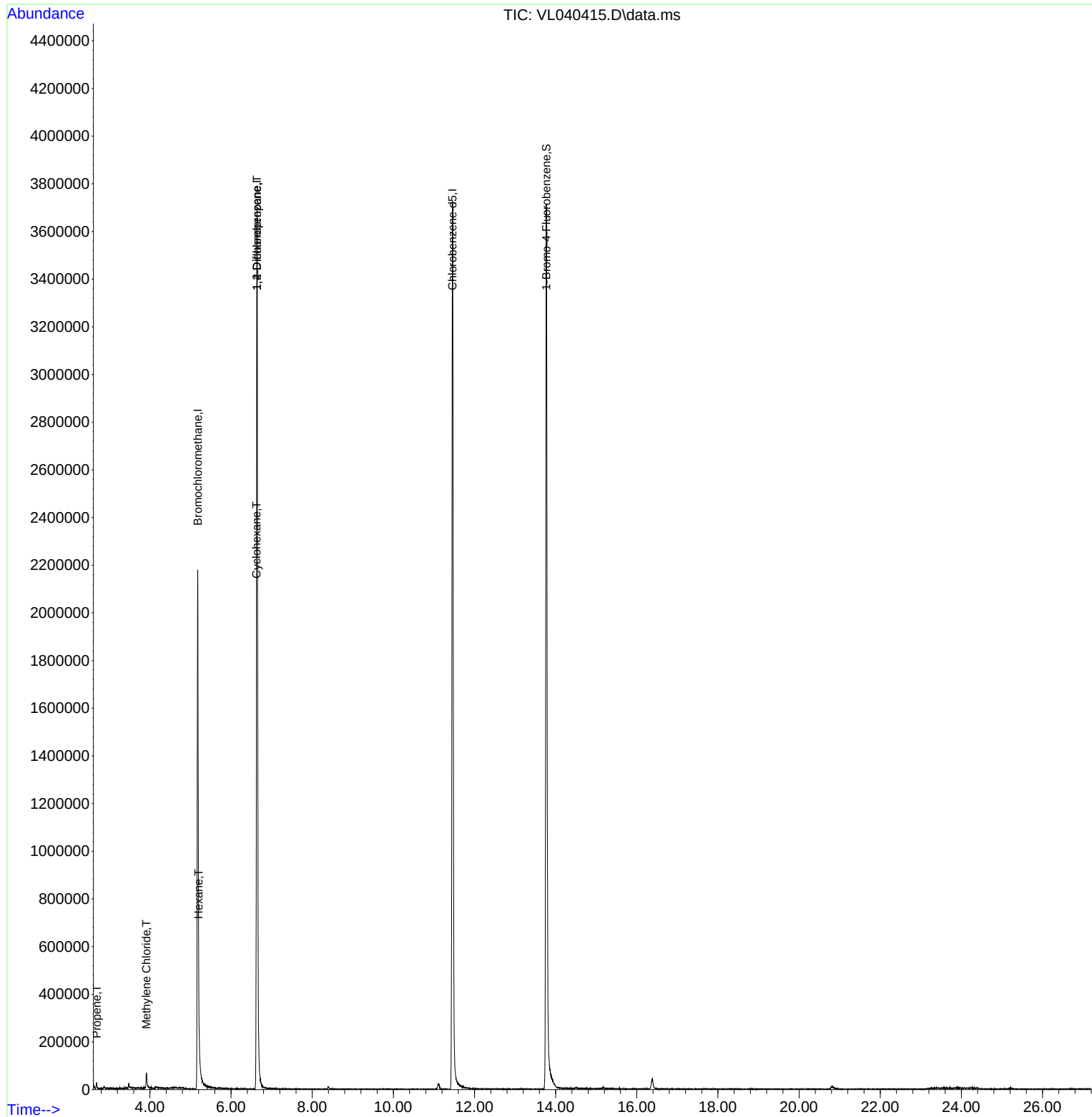
Internal Standards						
1) Bromochloromethane	5.179	49	1095881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2852079	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.459	117	2431037	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1878302	9.343	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.400%
Target Compounds						
					Qvalue	
9) Propene	2.687	41	3931	0.069	ppbv	86
20) Methylene Chloride	3.915	84	18865	0.304	ppbv #	94
26) Hexane	5.202	57	3724	0.034	ppbv #	30
30) Cyclohexane	6.626	84	4199	0.049	ppbv #	1
39) 1,2-Dichloropropane	6.639	63	697792	7.621	ppbv #	24

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

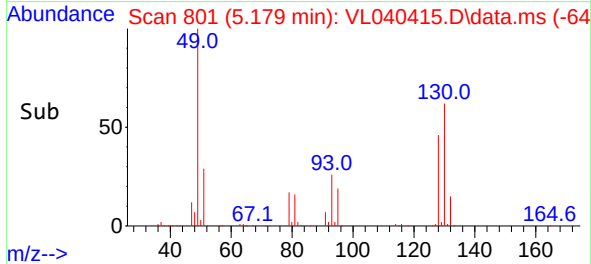
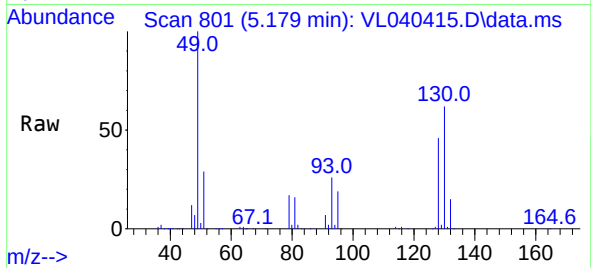
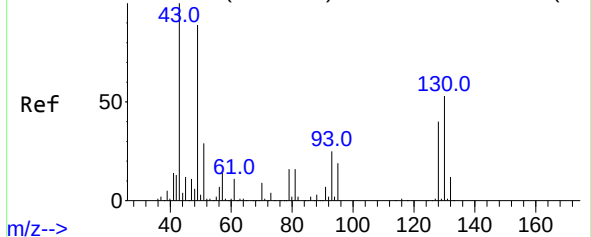
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Abundance Scan 804 (5.189 min): VL040354.D\data.ms (-78



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.179 min Scan# 80

Delta R.T. -0.010 min

Lab File: VL040415.D

Acq: 12 May 2023 9:41

Instrument :

MSVOA_L

ClientSampleId :

QC050423 CAN 10283

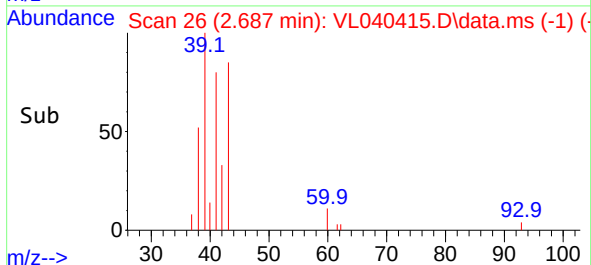
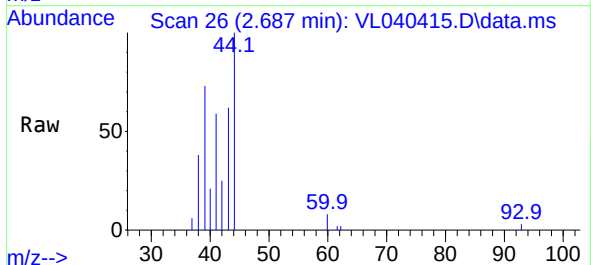
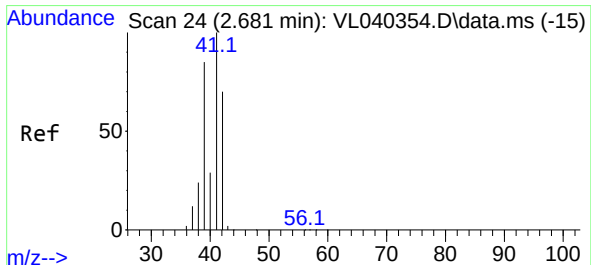
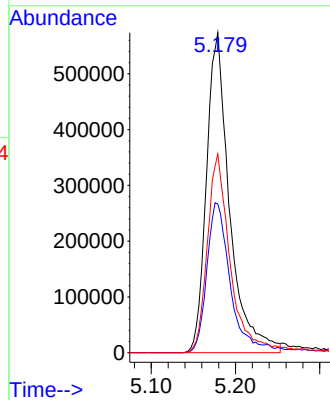
Tgt Ion: 49 Resp: 1095881

Ion Ratio Lower Upper

49 100

128 50.1 23.7 71.1

130 63.8 29.9 89.8



#9

Propene

Concen: 0.069 ppbv

RT: 2.687 min Scan# 26

Delta R.T. 0.006 min

Lab File: VL040415.D

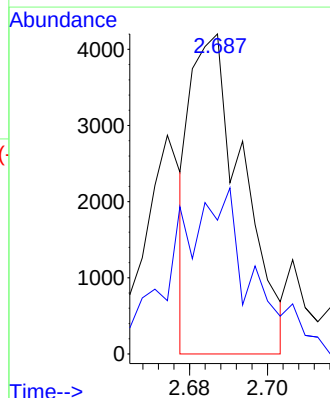
Acq: 12 May 2023 9:41

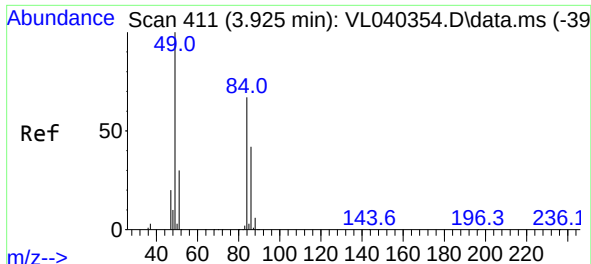
Tgt Ion: 41 Resp: 3931

Ion Ratio Lower Upper

41 100

42 81.8 56.5 84.7



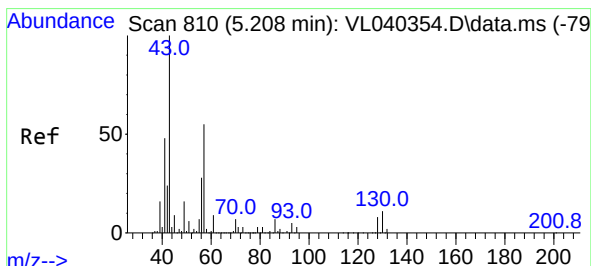
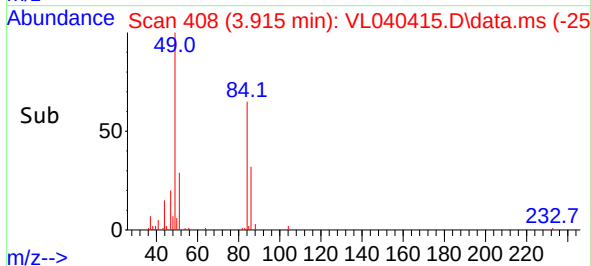
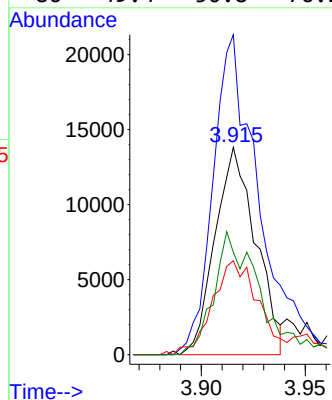
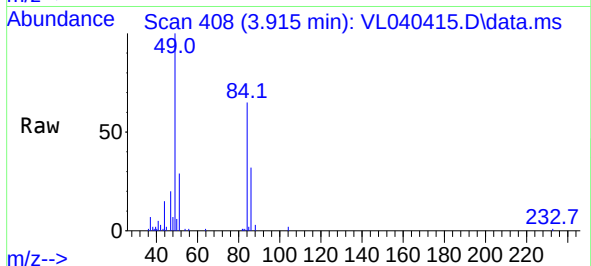


#20
Methylene Chloride
Concen: 0.304 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040415.D
Acq: 12 May 2023 9:41

Instrument :
MSVOA_L
ClientSampleId :
QC050423 CAN 10283

Tgt Ion: 84 Resp: 18865

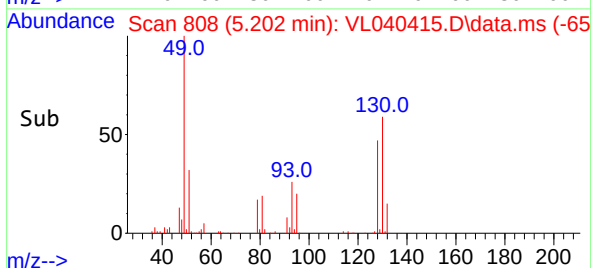
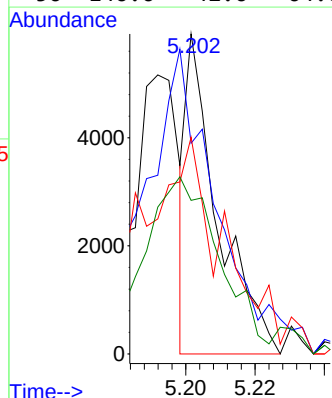
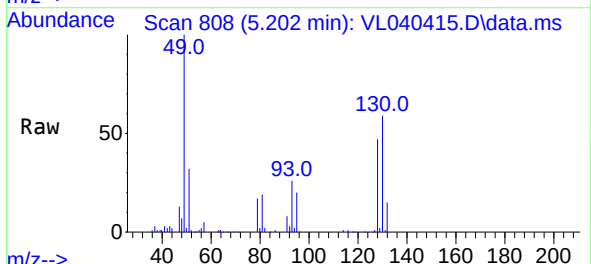
Ion	Ratio	Lower	Upper
84	100		
49	151.7	120.1	180.1
51	41.8	36.3	54.5
86	49.4	50.8	76.2

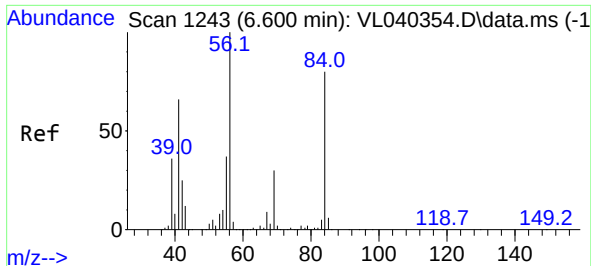


#26
Hexane
Concen: 0.034 ppbv
RT: 5.202 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040415.D
Acq: 12 May 2023 9:41

Tgt Ion: 57 Resp: 3724

Ion	Ratio	Lower	Upper
57	100		
41	230.3	74.8	112.2
43	192.6	192.7	289.1
56	146.6	42.6	64.0

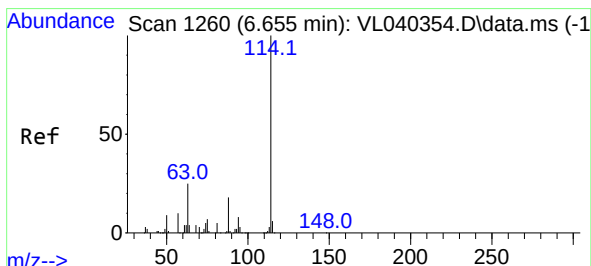
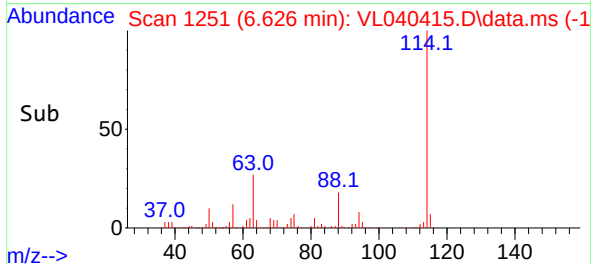
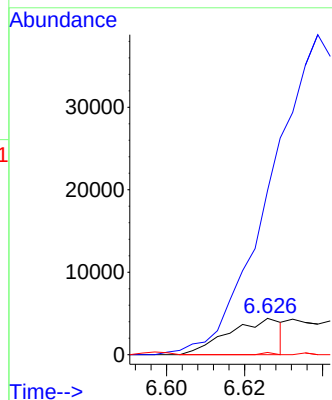
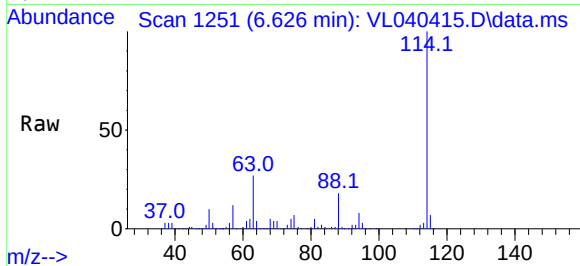




#30
Cyclohexane
Concen: 0.049 ppbv
RT: 6.626 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL040415.D
Acq: 12 May 2023 9:41

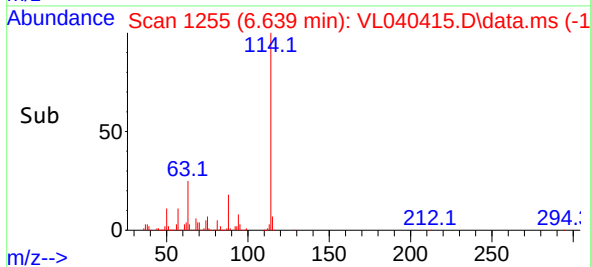
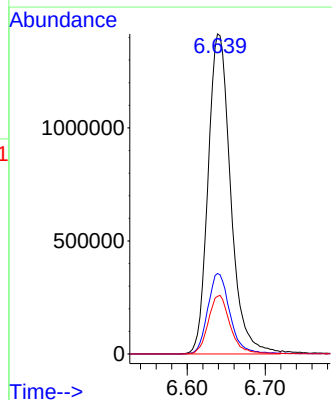
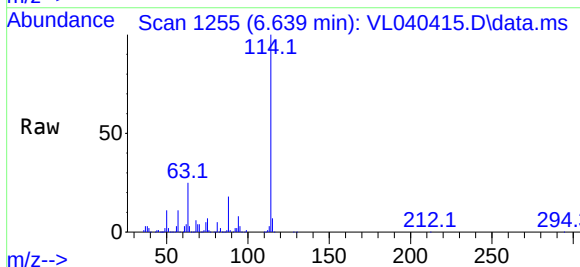
Instrument :
MSVOA_L
ClientSampleId :
QC050423 CAN 10283

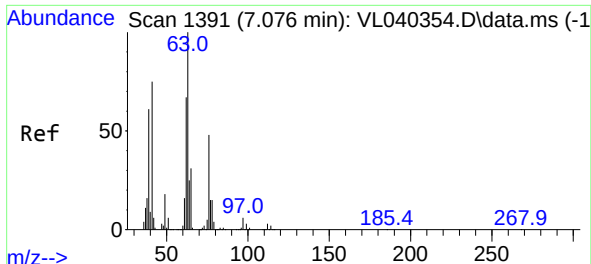
Tgt Ion: 84 Resp: 4199
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.6#
41 3.5 66.7 100.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VL040415.D
Acq: 12 May 2023 9:41

Tgt Ion: 114 Resp: 2852079
Ion Ratio Lower Upper
114 100
63 24.9 21.4 32.0
88 17.9 14.6 22.0





#39

1,2-Dichloropropane

Concen: 7.621 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.437 min

Lab File: VL040415.D

Acq: 12 May 2023 9:41

Instrument :

MSVOA_L

ClientSampleId :

QC050423 CAN 10283

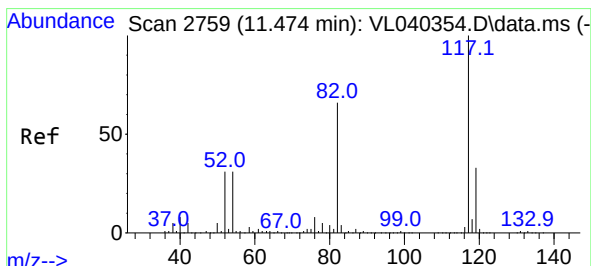
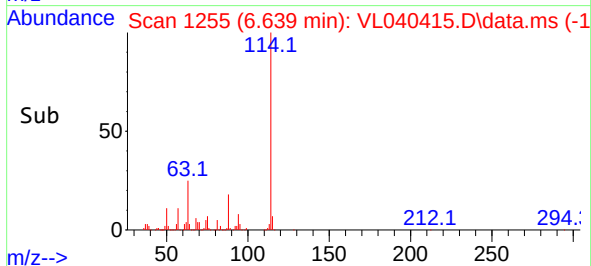
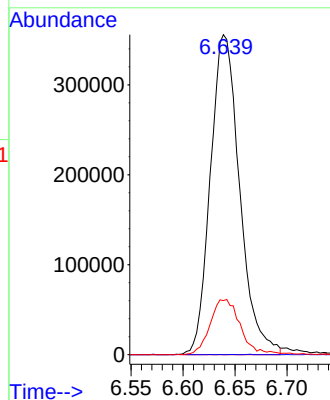
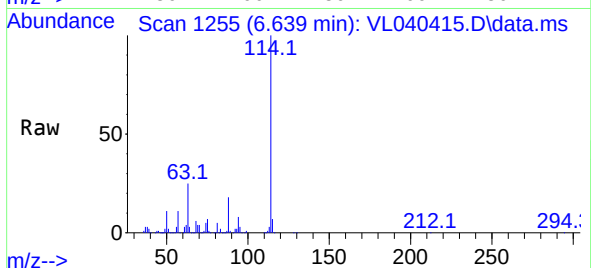
Tgt Ion: 63 Resp: 697792

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.8 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.459 min Scan# 2754

Delta R.T. -0.015 min

Lab File: VL040415.D

Acq: 12 May 2023 9:41

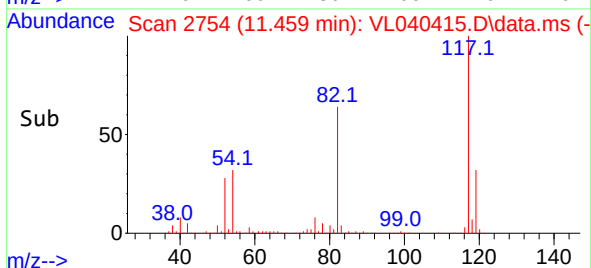
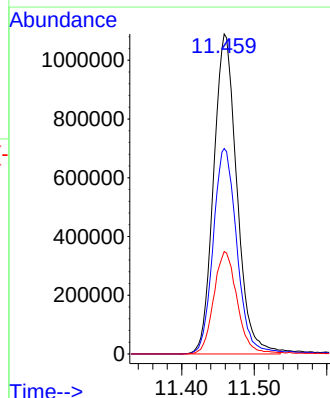
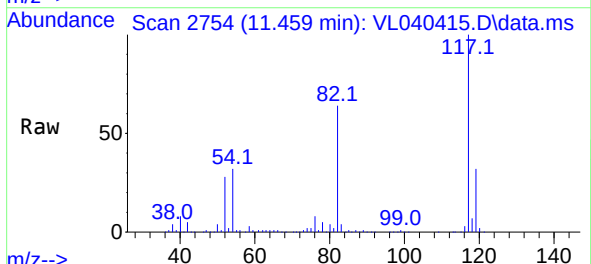
Tgt Ion: 117 Resp: 2431037

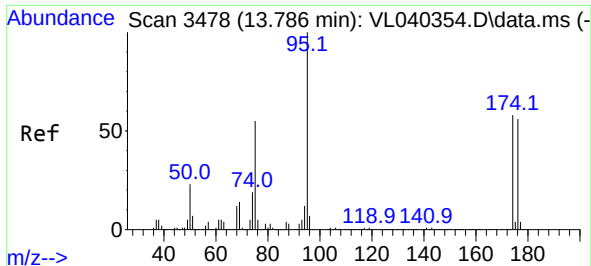
Ion Ratio Lower Upper

117 100

82 66.1 52.5 78.7

119 32.6 24.3 36.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.343 ppbv
RT: 13.770 min Scan# 34
Delta R.T. -0.016 min
Lab File: VL040415.D
Acq: 12 May 2023 9:41

Instrument :
MSVOA_L
ClientSampleId :
QC050423 CAN 10283

Tgt Ion: 95 Resp: 1878302
Ion Ratio Lower Upper
95 100
174 61.4 47.2 70.8
175 4.3 3.5 5.3

