

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040468.D
 Acq On : 15 Jun 2023 15:18
 Operator : SY/MD
 Sample : QC060123 CAN 10410
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC060123 CAN 10410

Quant Time: Jun 16 05:36:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

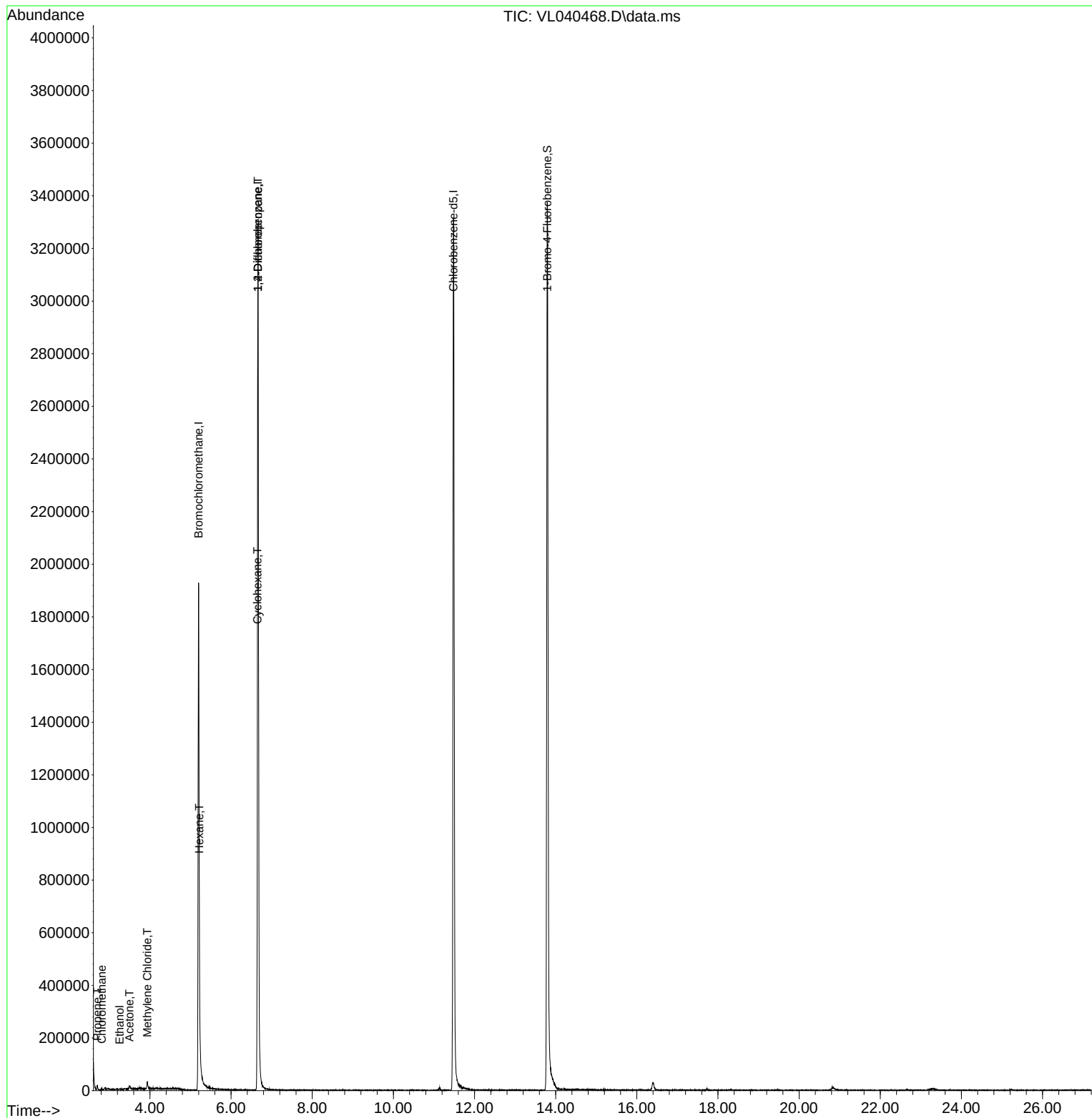
Internal Standards						
1) Bromochloromethane	5.198	49	936425	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2368990	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2016430	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1660382	9.977	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
4) Chloromethane	2.812	50	3373	0.057	ppbv #	75
9) Propene	2.700	41	3896	0.082	ppbv #	15
13) Ethanol	3.256	45	314	0.032	ppbv #	59
15) Acetone	3.497	43	10016	0.089	ppbv #	85
20) Methylene Chloride	3.935	84	7016	0.146	ppbv	94
26) Hexane	5.217	57	4982	0.051	ppbv #	1
30) Cyclohexane	6.648	84	4664	0.060	ppbv #	1
39) 1,2-Dichloropropane	6.661	63	615837	8.478	ppbv #	22

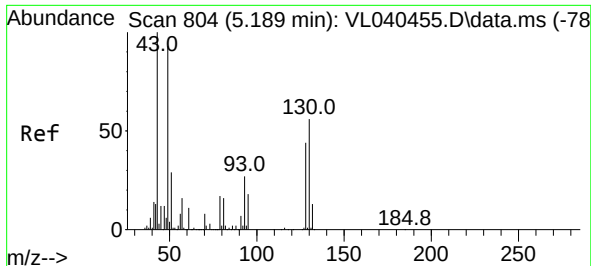
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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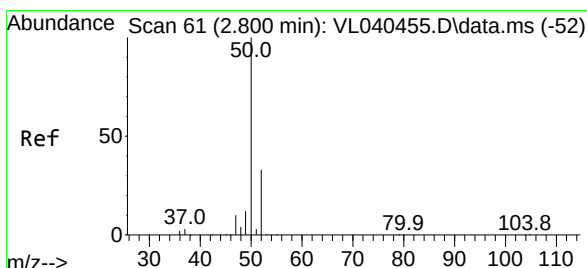
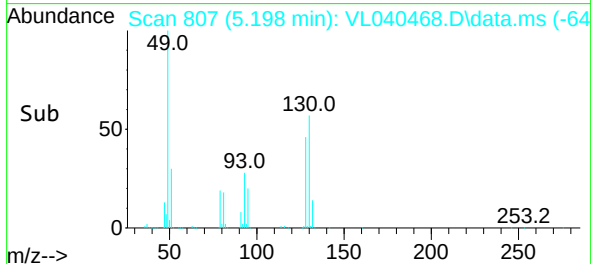
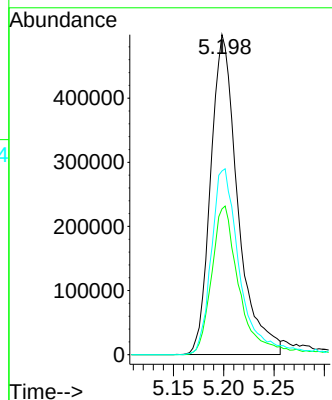
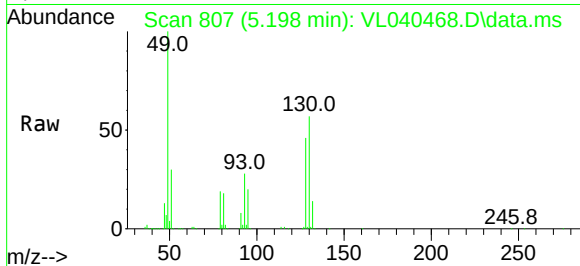




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040468.D
Acq: 15 Jun 2023 15:18

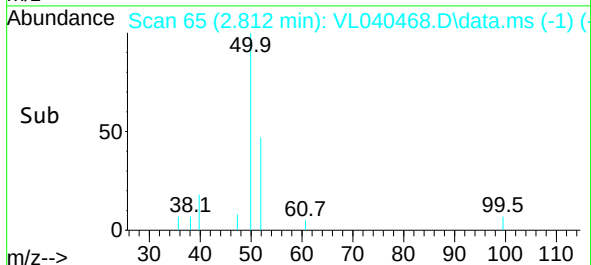
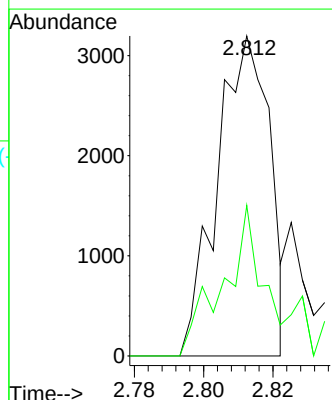
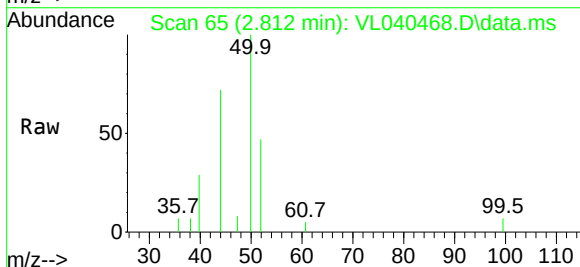
Instrument :
MSVOA_L
ClientSampleId :
QC060123 CAN 10410

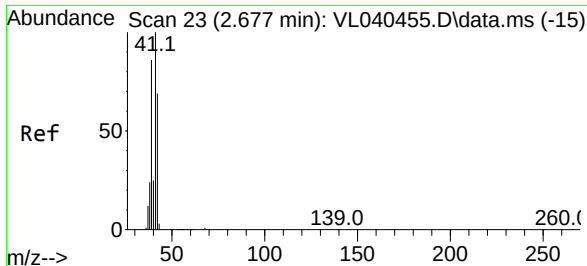
Tgt Ion: 49 Resp: 936425
Ion Ratio Lower Upper
49 100
128 49.2 24.7 74.1
130 62.7 31.4 94.2



#4
Chloromethane
Concen: 0.057 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.013 min
Lab File: VL040468.D
Acq: 15 Jun 2023 15:18

Tgt Ion: 50 Resp: 3373
Ion Ratio Lower Upper
50 100
52 47.0 26.3 39.5





#9

Propene

Concen: 0.082 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.022 min

Lab File: VL040468.D

Acq: 15 Jun 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

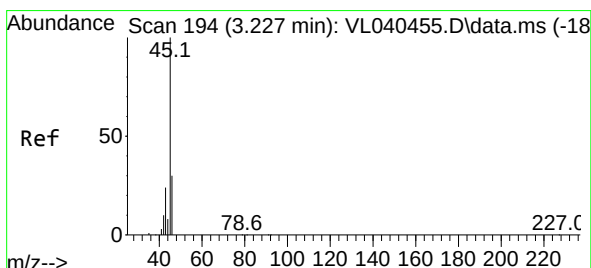
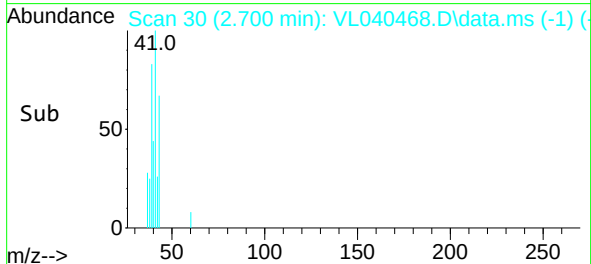
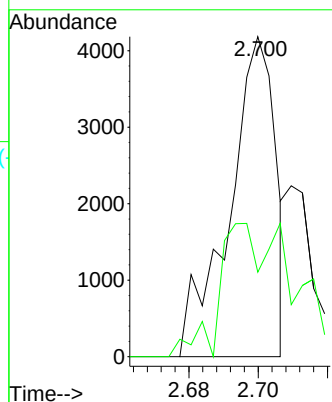
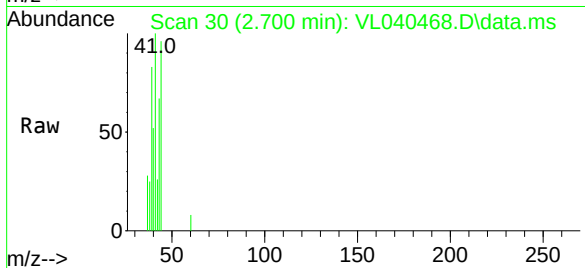
QC060123 CAN 10410

Tgt Ion: 41 Resp: 3896

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.2#



#13

Ethanol

Concen: 0.032 ppbv

RT: 3.256 min Scan# 203

Delta R.T. 0.029 min

Lab File: VL040468.D

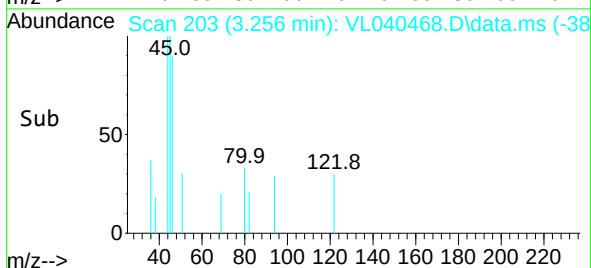
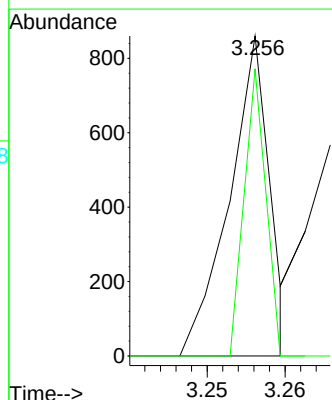
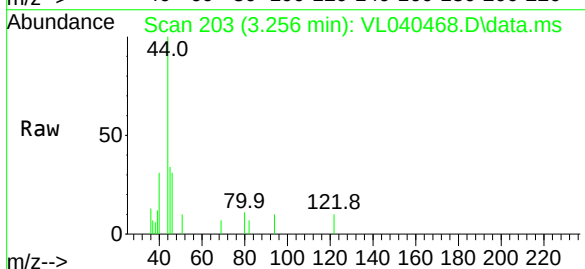
Acq: 15 Jun 2023 15:18

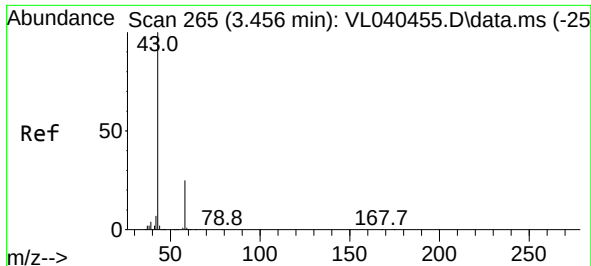
Tgt Ion: 45 Resp: 314

Ion Ratio Lower Upper

45 100

46 12.1 14.5 58.1#





#15

Acetone

Concen: 0.089 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.042 min

Lab File: VL040468.D

Acq: 15 Jun 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

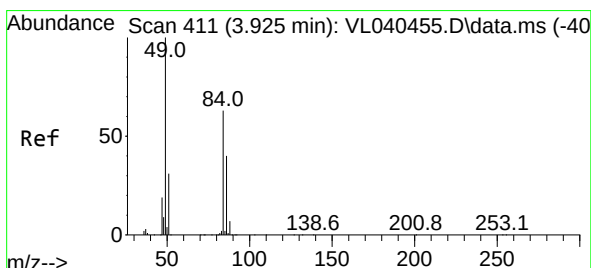
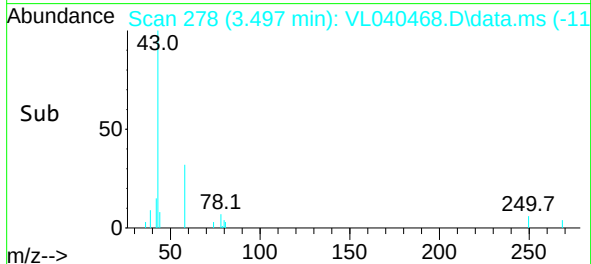
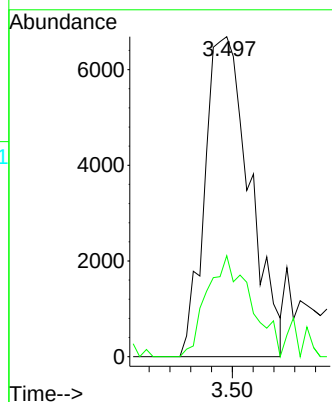
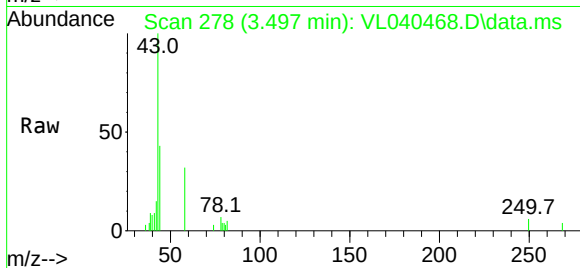
QC060123 CAN 10410

Tgt Ion: 43 Resp: 10016

Ion Ratio Lower Upper

43 100

58 34.8 21.6 32.4#



#20

Methylene Chloride

Concen: 0.146 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.010 min

Lab File: VL040468.D

Acq: 15 Jun 2023 15:18

Tgt Ion: 84 Resp: 7016

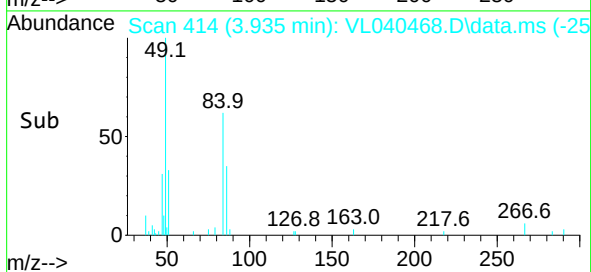
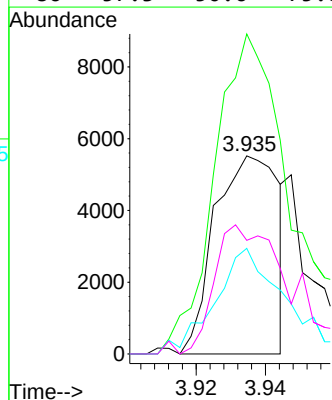
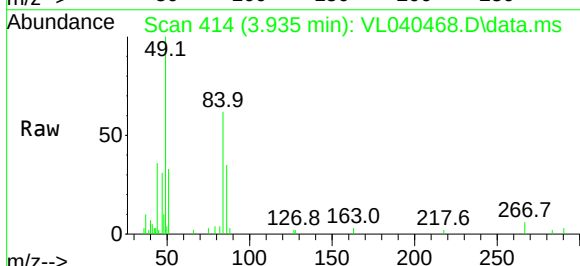
Ion Ratio Lower Upper

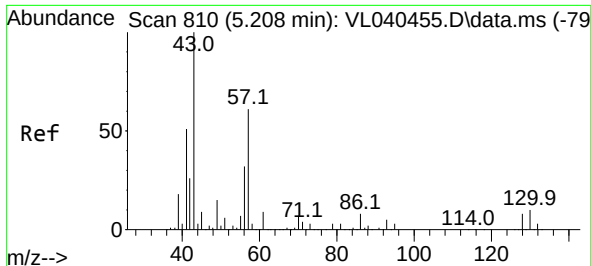
84 100

49 148.6 126.2 189.2

51 50.0 38.7 58.1

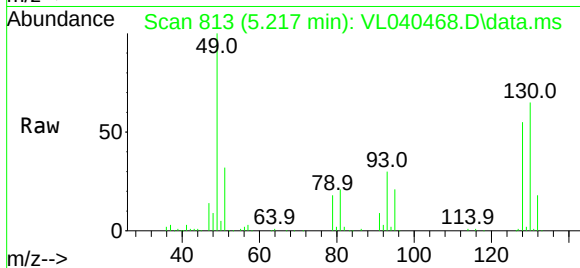
86 57.3 50.6 75.8





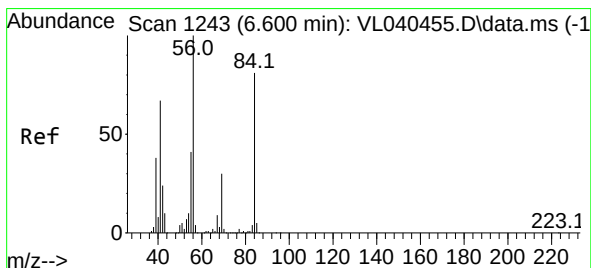
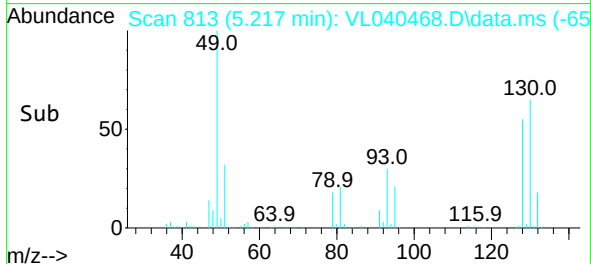
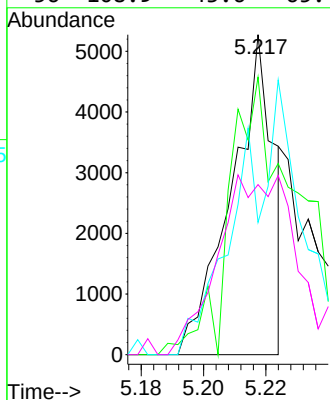
#26
Hexane
Concen: 0.051 ppbv
RT: 5.217 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040468.D
Acq: 15 Jun 2023 15:18

Instrument :
MSVOA_1
ClientSampleId :
QC060123 CAN 10410



Tgt Ion: 57 Resp: 4982

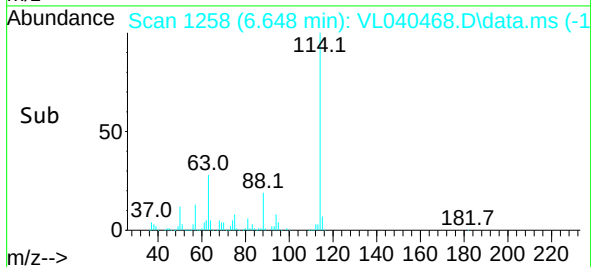
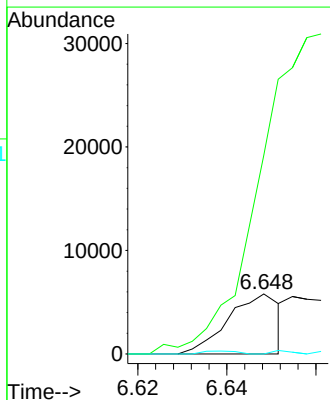
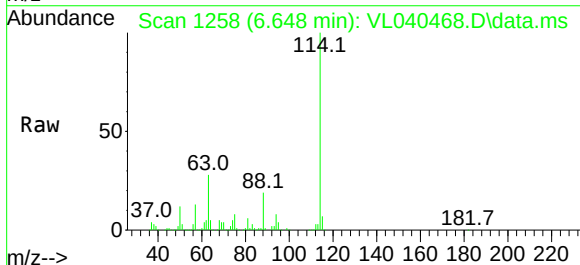
Ion	Ratio	Lower	Upper
57	100		
41	149.4	73.0	109.6#
43	0.0	177.5	266.3#
56	108.9	43.6	65.4#

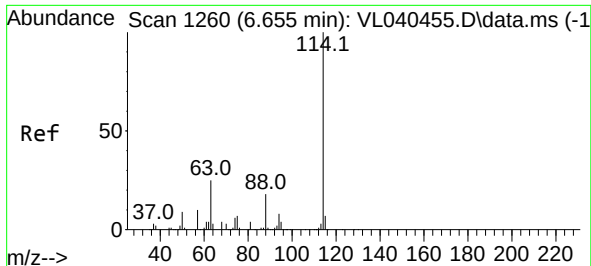


#30
Cyclohexane
Concen: 0.060 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.048 min
Lab File: VL040468.D
Acq: 15 Jun 2023 15:18

Tgt Ion: 84 Resp: 4664

Ion	Ratio	Lower	Upper
84	100		
56	0.0	106.0	159.0#
41	0.0	66.8	100.2#

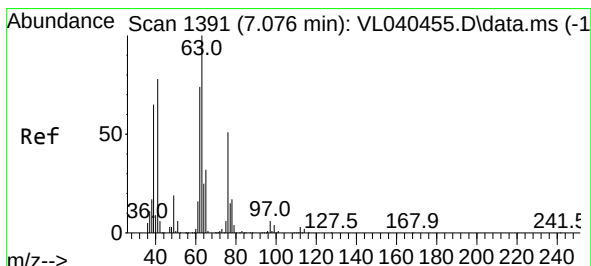
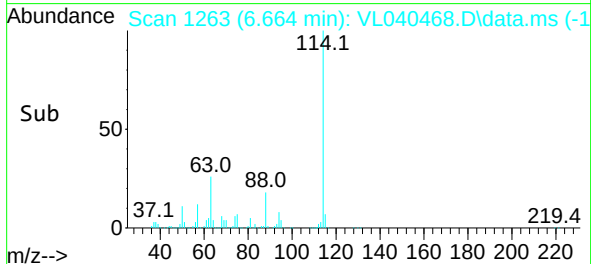
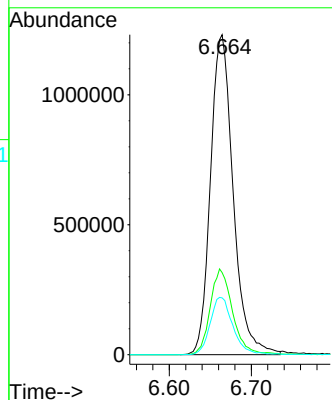
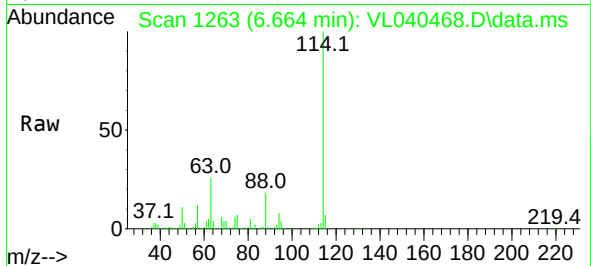




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.664 min Scan# 11
 Delta R.T. 0.010 min
 Lab File: VL040468.D
 Acq: 15 Jun 2023 15:18

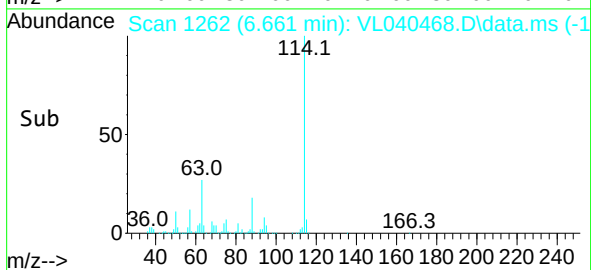
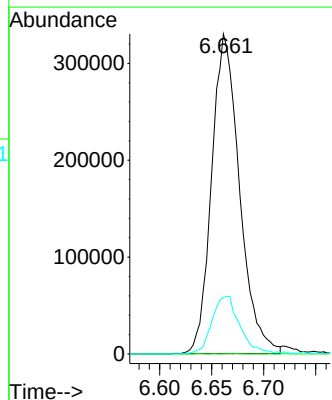
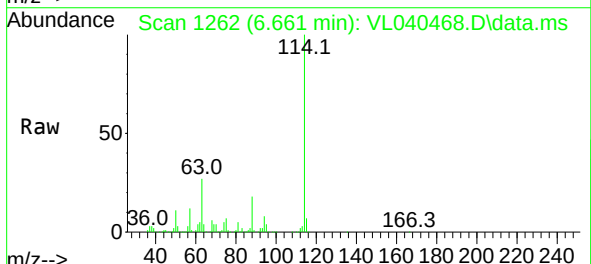
Instrument :
 MSVOA_L
 ClientSampleId :
 QC060123 CAN 10410

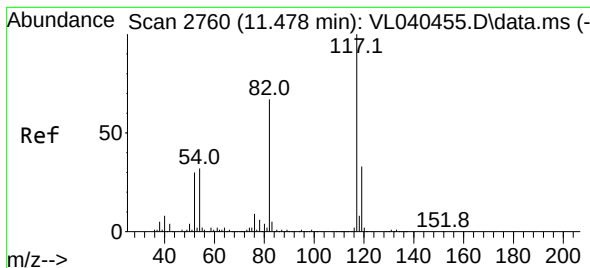
Tgt Ion:114 Resp: 2368990
 Ion Ratio Lower Upper
 114 100
 63 26.6 21.0 31.6
 88 18.0 14.5 21.7



#39
 1,2-Dichloropropane
 Concen: 8.478 ppbv
 RT: 6.661 min Scan# 1262
 Delta R.T. -0.415 min
 Lab File: VL040468.D
 Acq: 15 Jun 2023 15:18

Tgt Ion: 63 Resp: 615837
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.2 93.2#
 62 17.6 59.0 88.4#

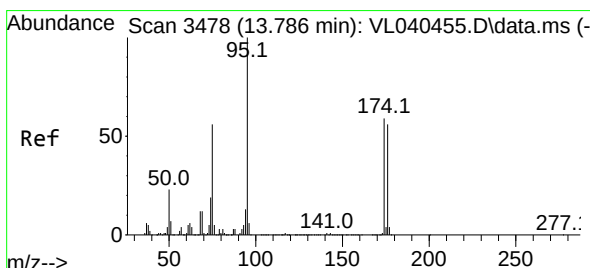
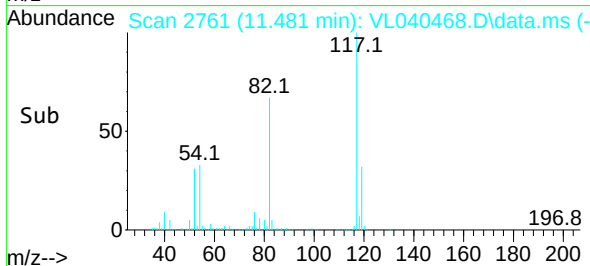
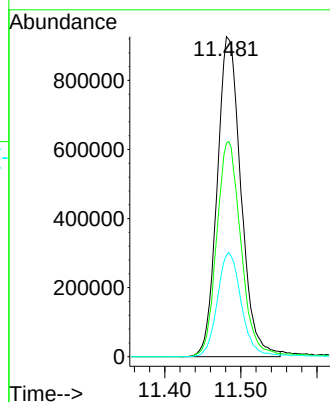
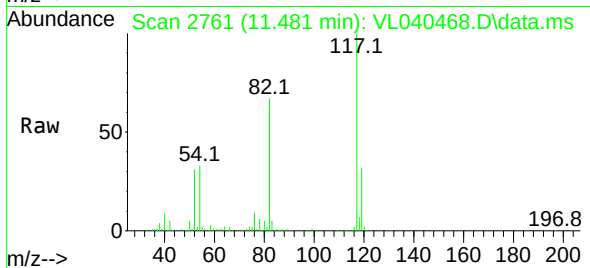




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040468.D
Acq: 15 Jun 2023 15:18

Instrument :
MSVOA_L
ClientSampleId :
QC060123 CAN 10410

Tgt Ion:117 Resp: 2016430
Ion Ratio Lower Upper
117 100
82 69.2 53.0 79.4
119 33.2 24.4 36.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.977 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.006 min
Lab File: VL040468.D
Acq: 15 Jun 2023 15:18

Tgt Ion: 95 Resp: 1660382
Ion Ratio Lower Upper
95 100
174 61.1 47.7 71.5
175 4.2 3.5 5.3

