

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040086.D
 Acq On : 9 Jan 2023 23:51
 Operator : SY/MD
 Sample : QC122922 CAN 10609
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC122922 CAN 10609

Quant Time: Jan 11 01:09:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 10 00:22:08 2023
 Response via : Initial Calibration

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

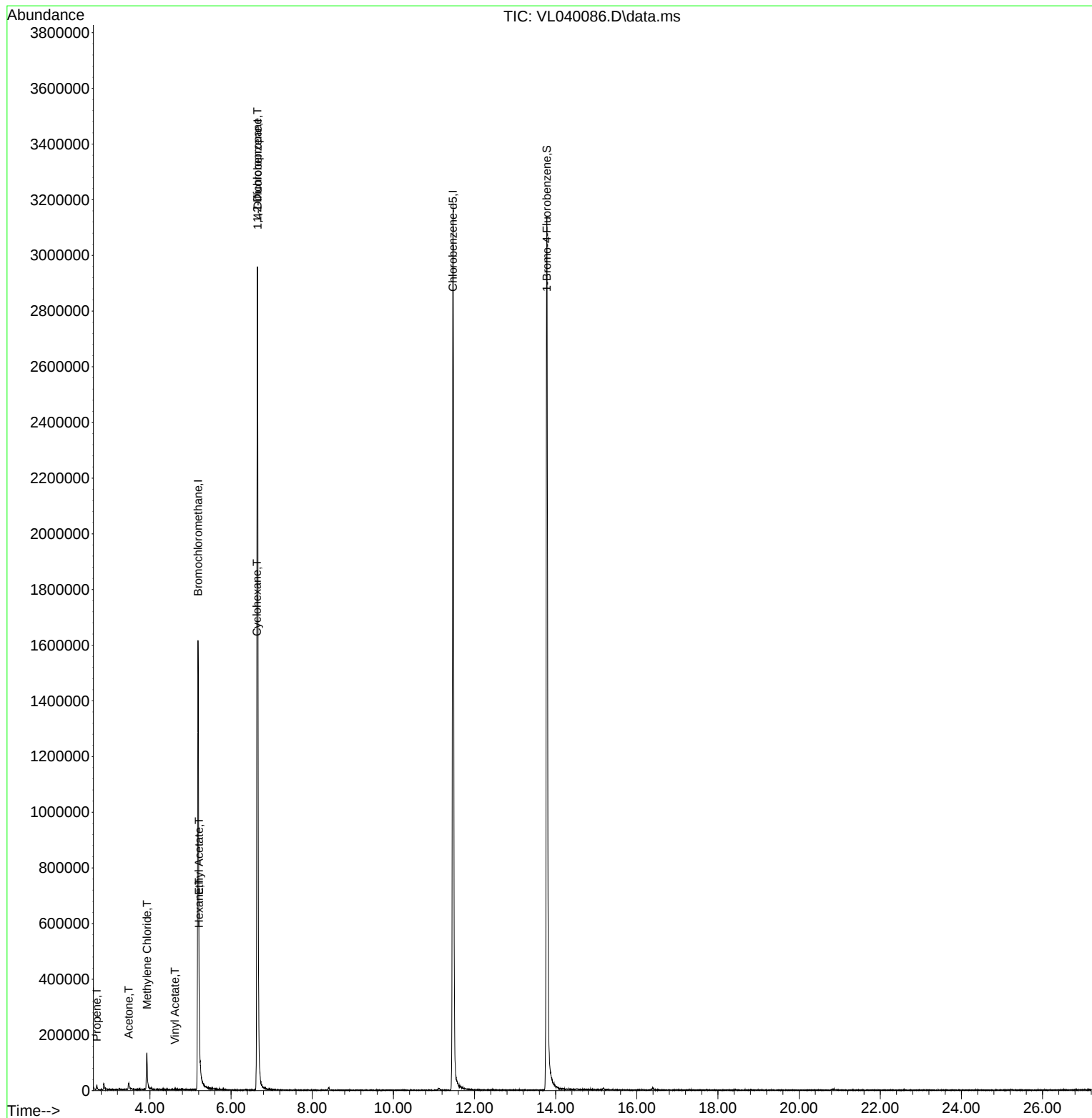
Internal Standards						
1) Bromochloromethane	5.185	49	838879	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2128060	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1971261	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1597374	10.608	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.100%
Target Compounds						
9) Propene	2.687	41	3383	0.064	ppbv	92
15) Acetone	3.478	43	23801	0.183	ppbv #	81
20) Methylene Chloride	3.928	84	48941	0.887	ppbv	85
23) Vinyl Acetate	4.620	43	1278	0.031	ppbv #	79
25) Ethyl Acetate	5.208	43	22099	0.098	ppbv #	74
26) Hexane	5.211	57	13896	0.147	ppbv #	34
30) Cyclohexane	6.636	84	6233	0.075	ppbv #	1
39) 1,2-Dichloropropane	6.648	63	548685	7.702	ppbv #	23

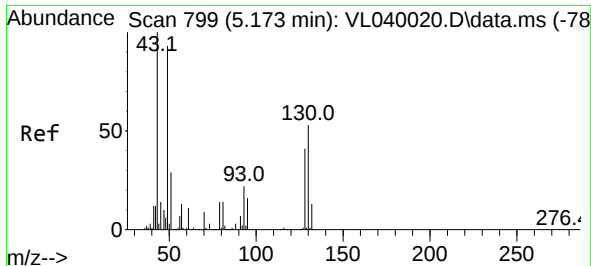
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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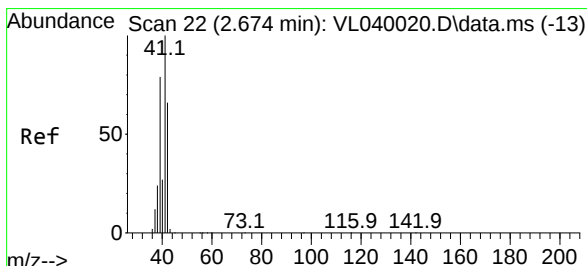
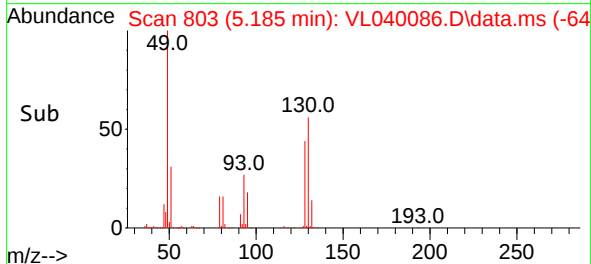
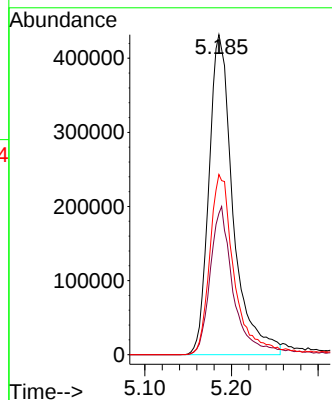
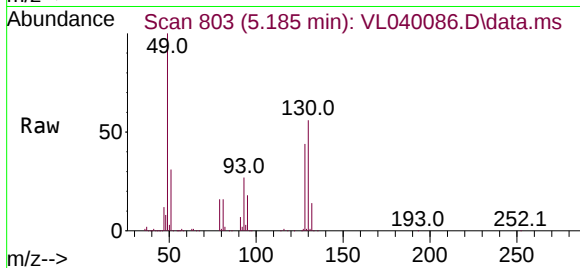




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040086.D
Acq: 9 Jan 2023 23:51

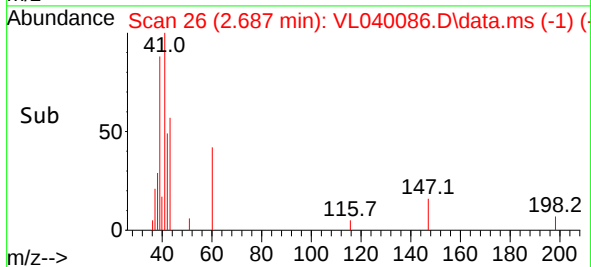
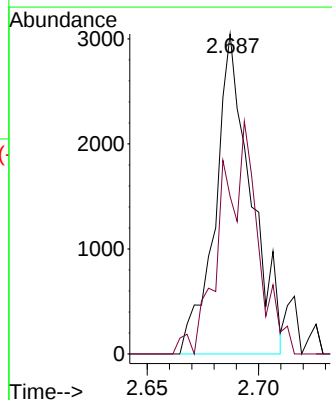
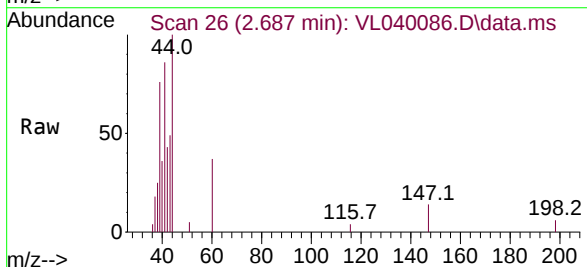
Instrument :
MSVOA_L
ClientSampleId :
QC122922 CAN 10609

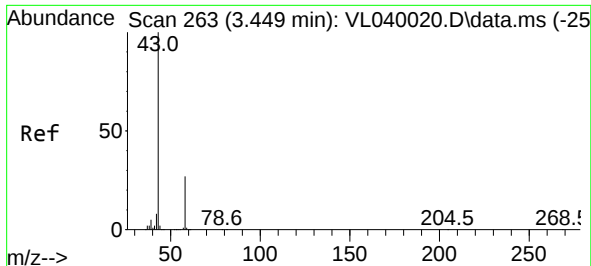
Tgt Ion: 49 Resp: 838879
Ion Ratio Lower Upper
49 100
128 46.4 22.4 67.3
130 59.0 28.9 86.8



#9
Propene
Concen: 0.064 ppbv
RT: 2.687 min Scan# 26
Delta R.T. 0.010 min
Lab File: VL040086.D
Acq: 9 Jan 2023 23:51

Tgt Ion: 41 Resp: 3383
Ion Ratio Lower Upper
41 100
42 74.7 54.8 82.2





#15

Acetone

Concen: 0.183 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL040086.D

Acq: 9 Jan 2023 23:51

Instrument :

MSVOA_L

ClientSampleId :

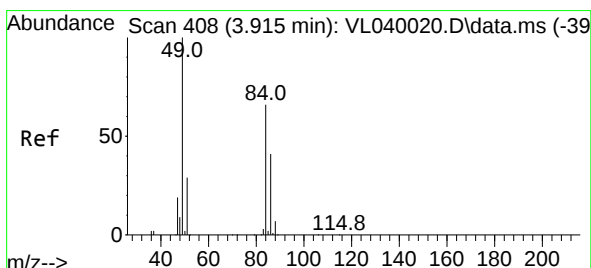
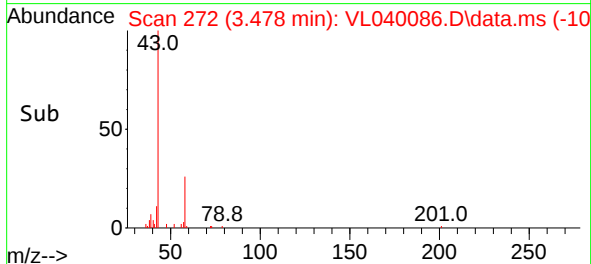
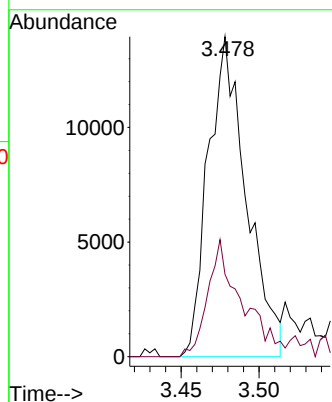
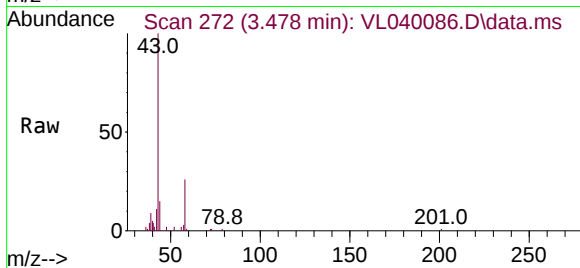
QC122922 CAN 10609

Tgt Ion: 43 Resp: 23801

Ion Ratio Lower Upper

43 100

58 37.4 21.8 32.8#



#20

Methylene Chloride

Concen: 0.887 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.007 min

Lab File: VL040086.D

Acq: 9 Jan 2023 23:51

Tgt Ion: 84 Resp: 48941

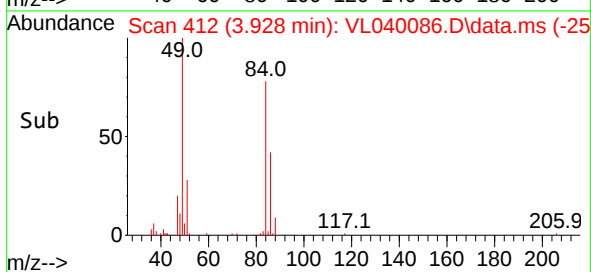
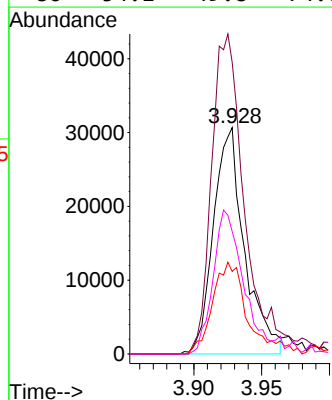
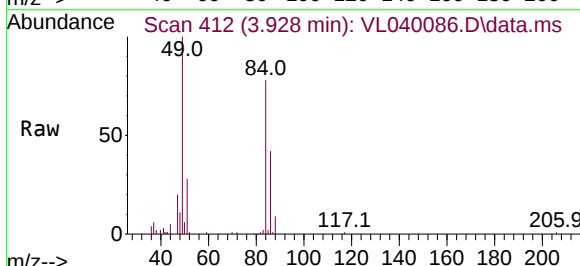
Ion Ratio Lower Upper

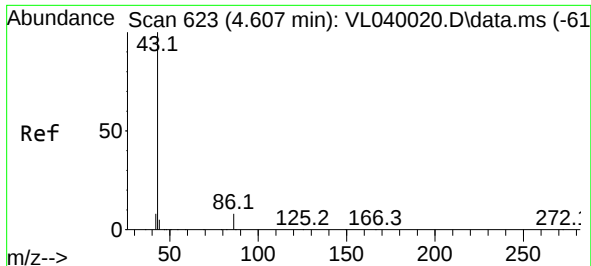
84 100

49 128.8 120.5 180.7

51 36.4 35.2 52.8

86 54.1 49.8 74.6

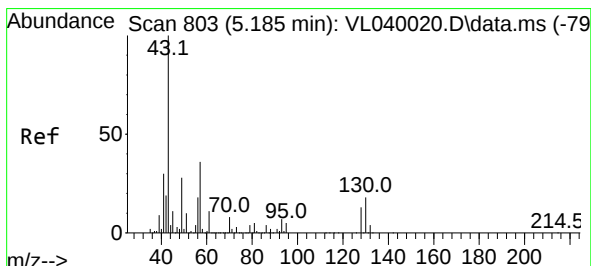
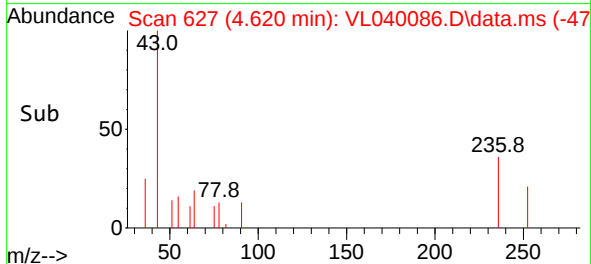
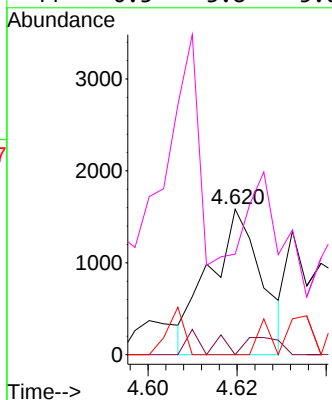
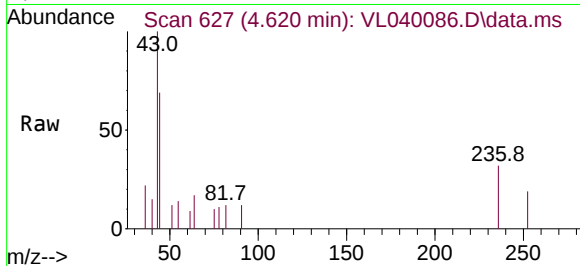




#23
 Vinyl Acetate
 Concen: 0.031 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040086.D
 Acq: 9 Jan 2023 23:51

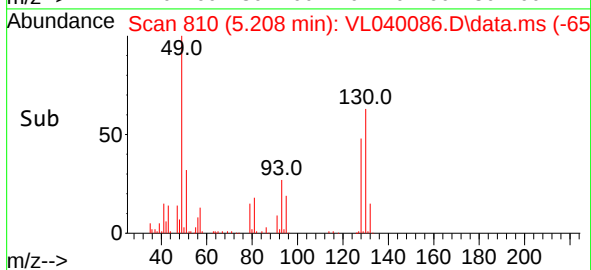
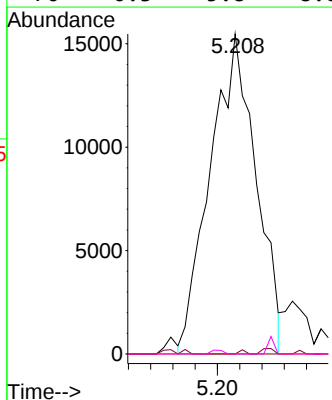
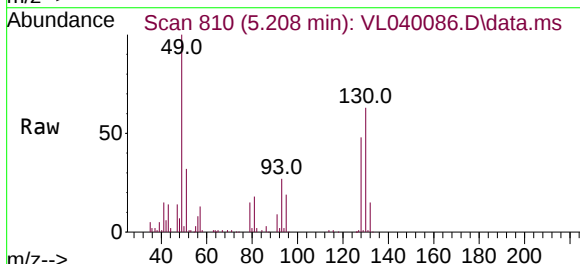
Instrument :
 MSVOA_L
 ClientSampleId :
 QC122922 CAN 10609

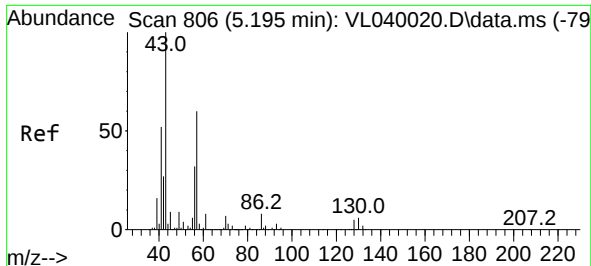
Tgt Ion: 43	Resp: 1278
Ion Ratio	Lower Upper
43 100	
86 0.0	5.3 7.9#
42 0.0	7.4 11.0#
44 0.3	3.8 5.6#



#25
 Ethyl Acetate
 Concen: 0.098 ppbv
 RT: 5.208 min Scan# 810
 Delta R.T. 0.010 min
 Lab File: VL040086.D
 Acq: 9 Jan 2023 23:51

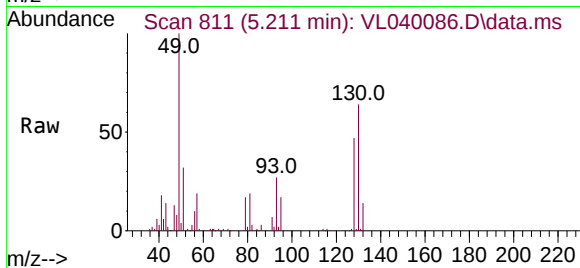
Tgt	Ion: 43	Resp:	22099
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.6	12.8#
61	0.0	8.5	12.7#
70	0.3	5.8	8.8#



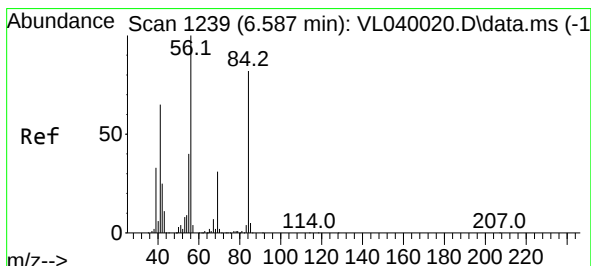
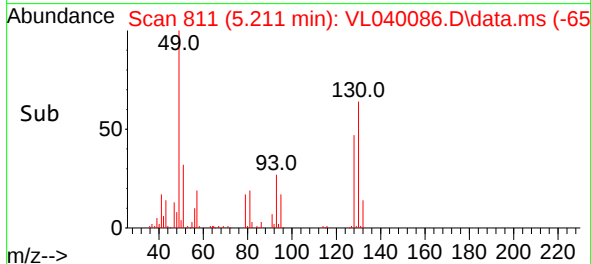
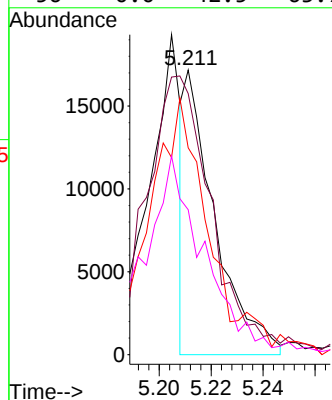


#26
Hexane
Concen: 0.147 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040086.D
Acq: 9 Jan 2023 23:51

Instrument :
MSVOA_1
ClientSampleId :
QC122922 CAN 10609

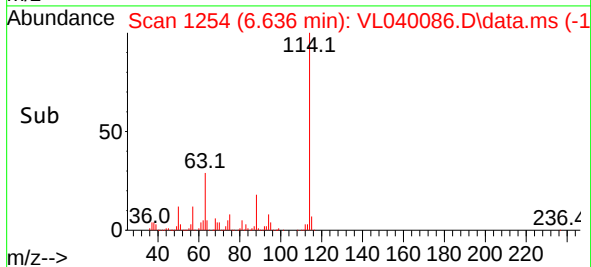
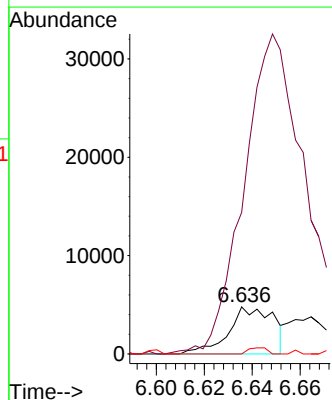
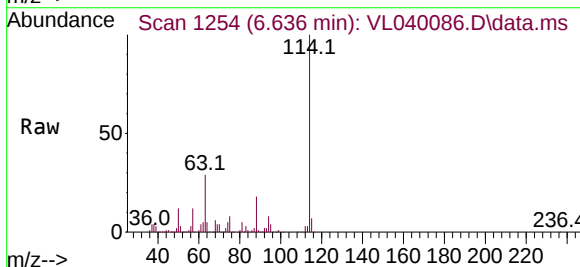


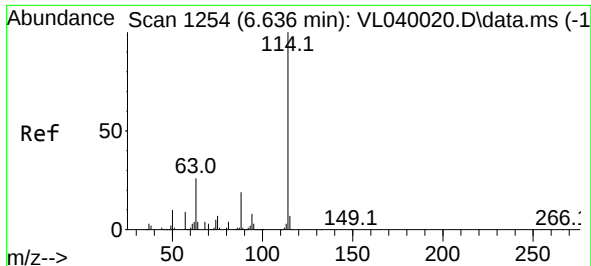
Tgt Ion:	57	Resp:	13896
Ion	Ratio	Lower	Upper
57	100		
41	226.0	72.1	108.1#
43	182.0	192.1	288.1#
56	0.0	42.5	63.7#



#30
Cyclohexane
Concen: 0.075 ppbv
RT: 6.636 min Scan# 1254
Delta R.T. 0.036 min
Lab File: VL040086.D
Acq: 9 Jan 2023 23:51

Tgt Ion:	84	Resp:	6233
Ion	Ratio	Lower	Upper
84	100		
56	991.8	110.2	165.4#
41	6.7	67.8	101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040086.D

Acq: 9 Jan 2023 23:51

Instrument :

MSVOA_L

ClientSampleId :

QC122922 CAN 10609

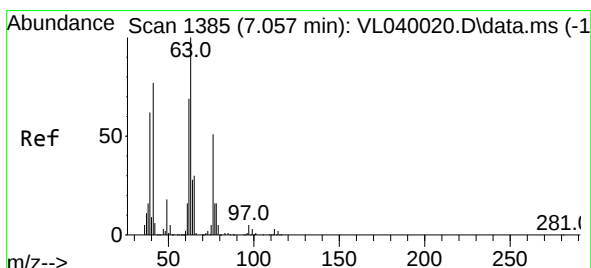
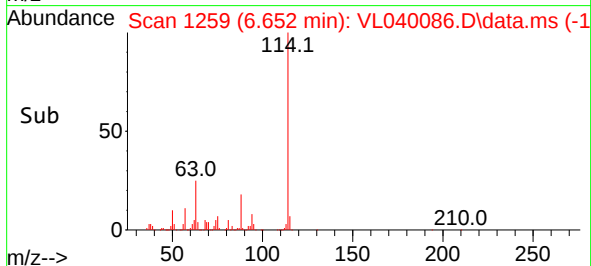
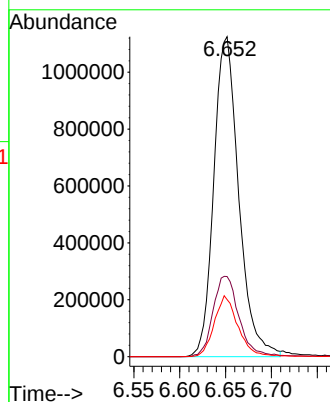
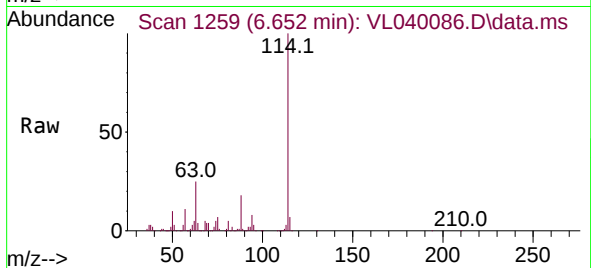
Tgt Ion:114 Resp: 2128060

Ion Ratio Lower Upper

114 100

63 26.3 20.2 30.2

88 18.4 14.6 21.8



#39

1,2-Dichloropropane

Concen: 7.702 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. -0.427 min

Lab File: VL040086.D

Acq: 9 Jan 2023 23:51

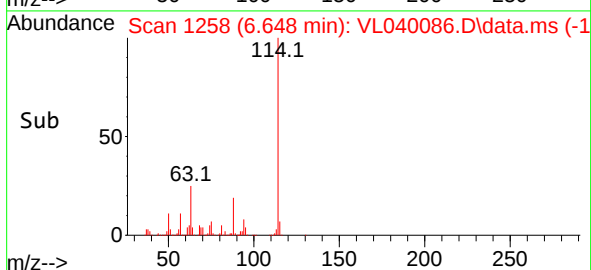
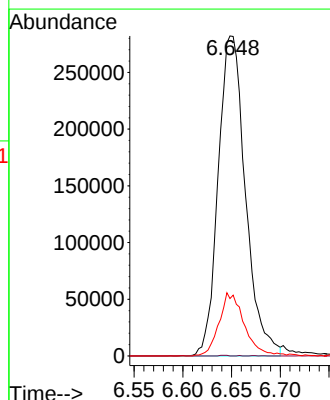
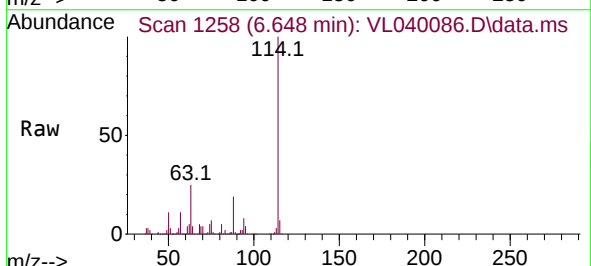
Tgt Ion: 63 Resp: 548685

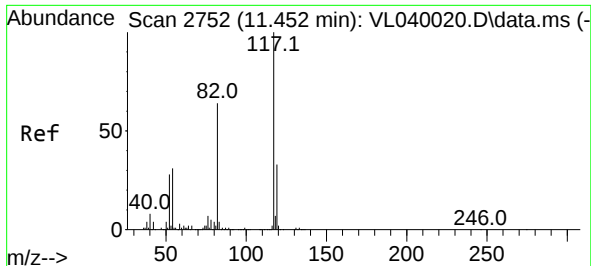
Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 17.9 55.4 83.2#

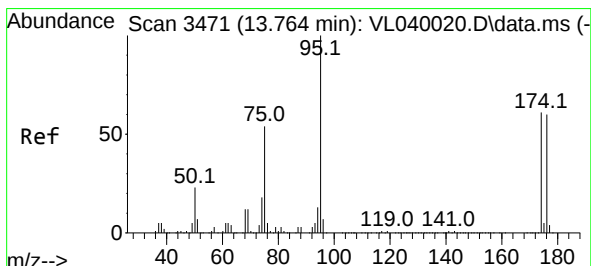
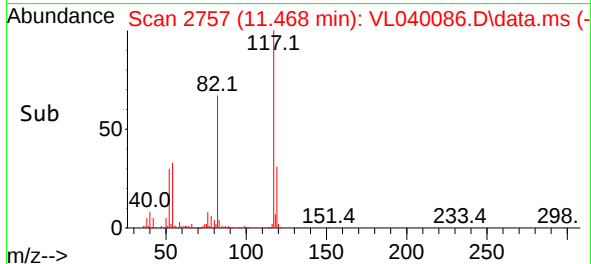
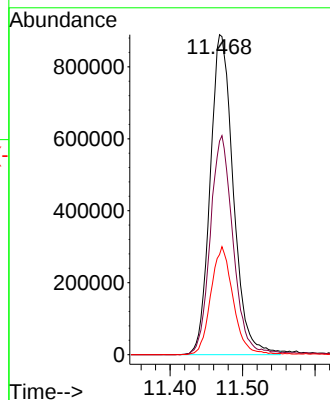
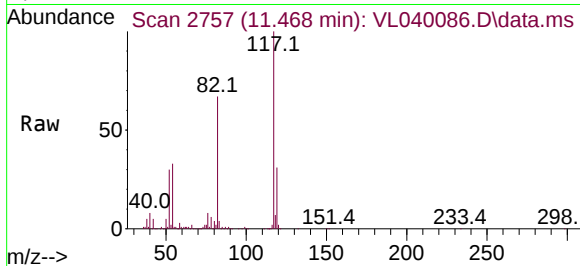




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040086.D
Acq: 9 Jan 2023 23:51

Instrument :
MSVOA_L
ClientSampleId :
QC122922 CAN 10609

Tgt Ion:117 Resp: 1971261
Ion Ratio Lower Upper
117 100
82 68.8 51.2 76.8
119 32.9 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.608 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VL040086.D
Acq: 9 Jan 2023 23:51

Tgt Ion: 95 Resp: 1597374
Ion Ratio Lower Upper
95 100
174 60.0 48.6 73.0
175 4.3 3.4 5.2

