

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040896.D
 Acq On : 17 Nov 2023 15:45
 Operator : SY/MD
 Sample : 05474-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Quant Time: Nov 20 03:59:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	909516	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2208908	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	1956507	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1583334	10.336	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%

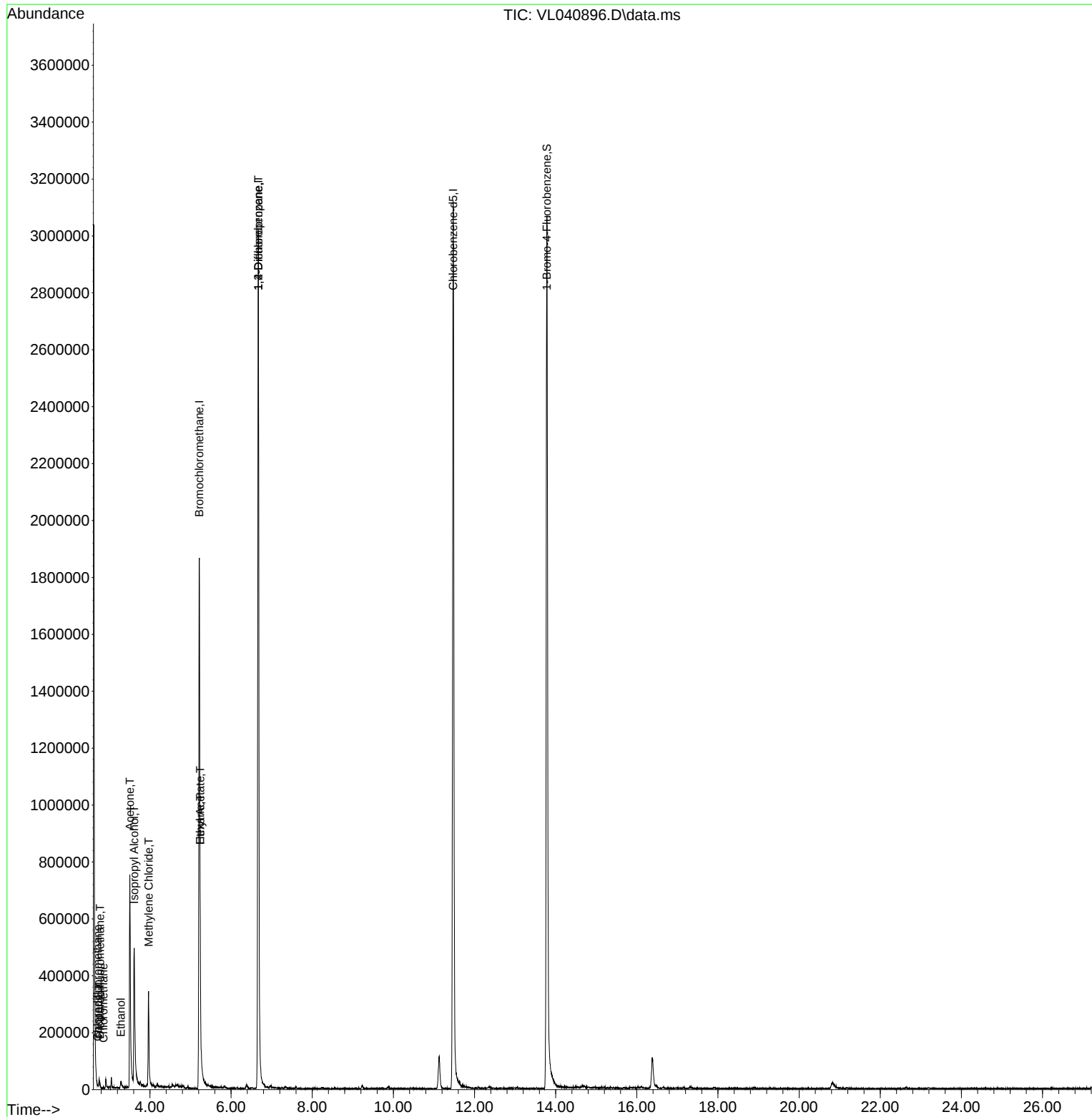
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.771	85	7549	0.041	ppbv	95
3) Chlorodifluoromethane	2.716	51	6209	0.043	ppbv #	80
4) Chloromethane	2.854	50	2090	0.040	ppbv	98
9) Propene	2.738	41	3510	0.072	ppbv #	55
13) Ethanol	3.285	45	11685	1.230	ppbv #	100
15) Acetone	3.504	43	822485	8.491	ppbv	98
19) Isopropyl Alcohol	3.610	45	561800	9.637	ppbv	99
20) Methylene Chloride	3.967	84	102996	2.576	ppbv	98
25) Ethyl Acetate	5.237	43	63568	0.317	ppbv #	86
26) Hexane	5.237	57	68656	0.773	ppbv #	48
39) 1,2-Dichloropropane	6.671	63	588483	8.279	ppbv #	24

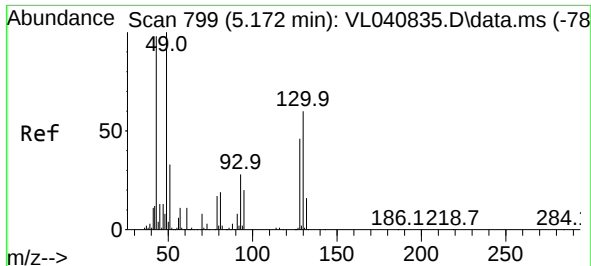
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 20 03:59:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Nov 20 03:50:24 2023
Response via : Initial Calibration

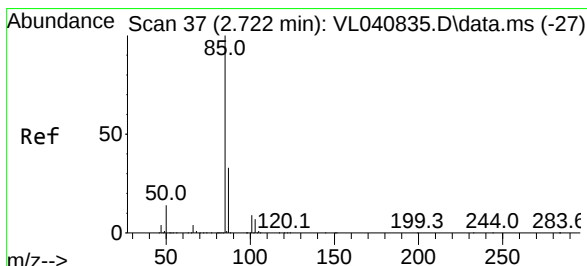
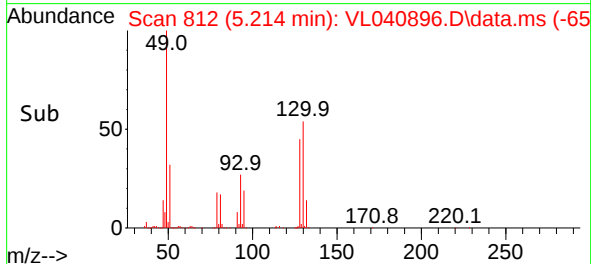
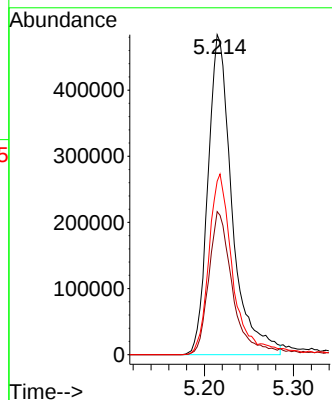
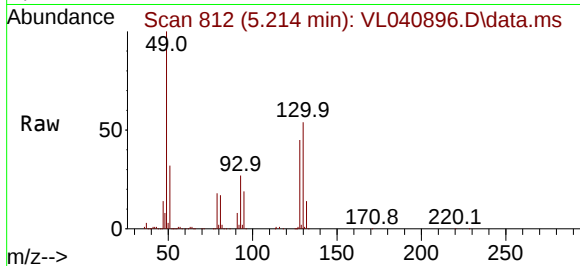




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

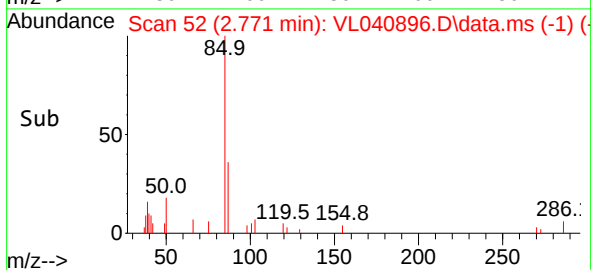
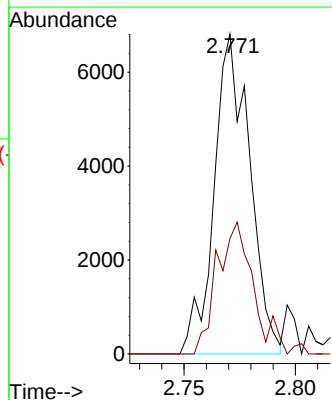
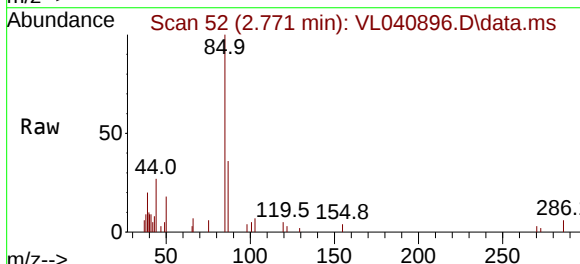
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

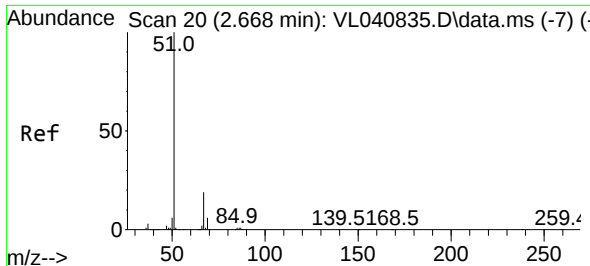
Tgt Ion: 49 Resp: 909516
Ion Ratio Lower Upper
49 100
128 46.6 23.8 71.2
130 58.5 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.771 min Scan# 52
Delta R.T. -0.003 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

Tgt Ion: 85 Resp: 7549
Ion Ratio Lower Upper
85 100
87 36.0 26.7 40.1

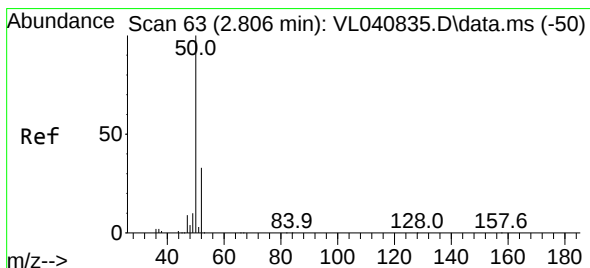
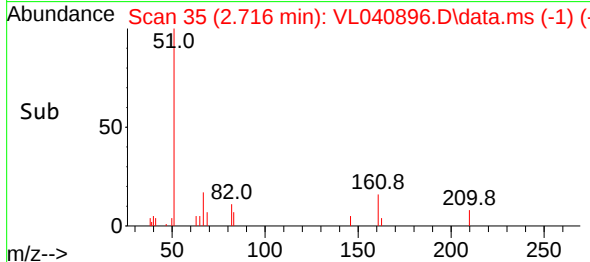
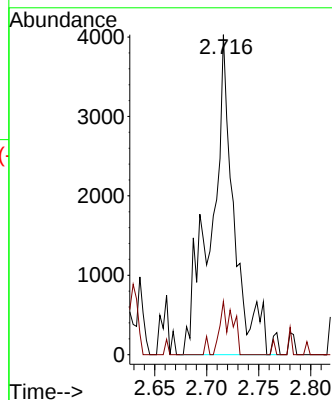
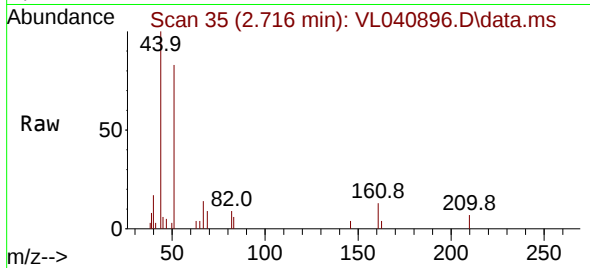




#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 2.716 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

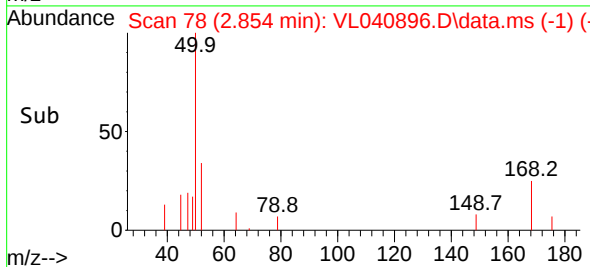
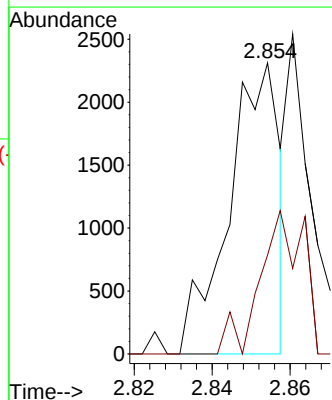
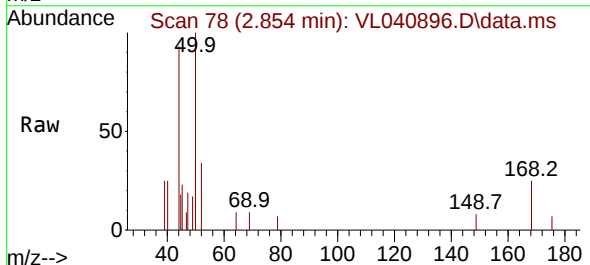
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

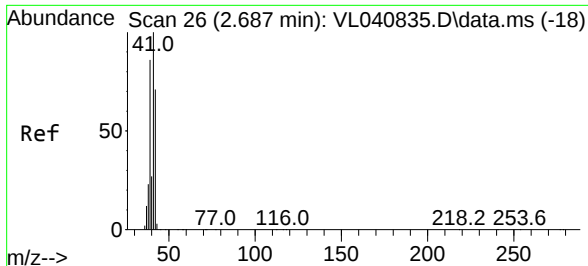
Tgt Ion: 51 Resp: 6209
Ion Ratio Lower Upper
51 100
67 9.7 15.0 22.4#



#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.854 min Scan# 78
Delta R.T. -0.000 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

Tgt Ion: 50 Resp: 2090
Ion Ratio Lower Upper
50 100
52 34.0 26.5 39.7





#9

Propene

Concen: 0.072 ppbv

RT: 2.738 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040896.D

Acq: 17 Nov 2023 15:45

Instrument :

MSVOA_L

ClientSampleId :

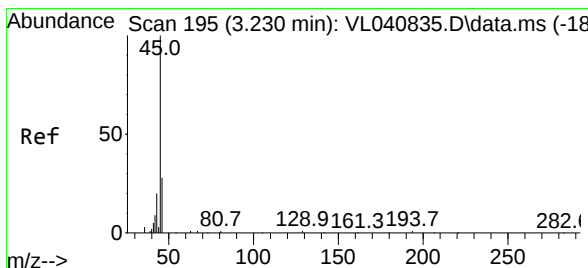
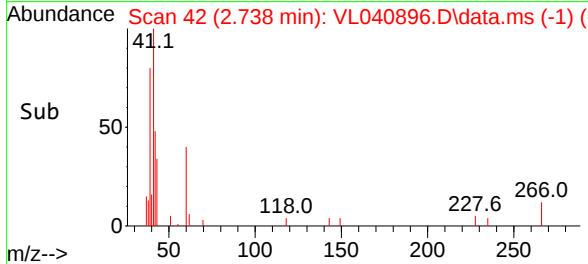
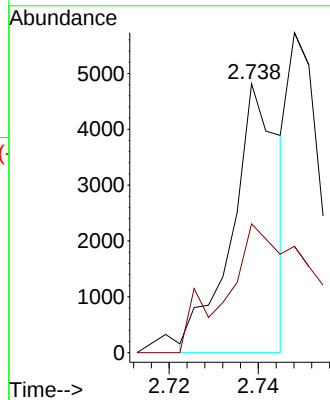
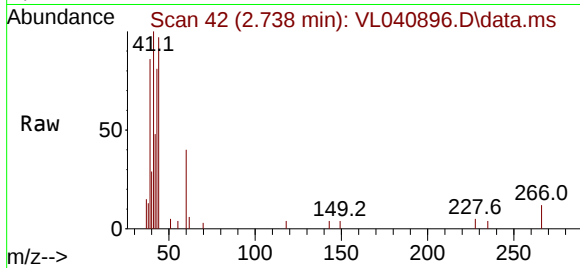
VP-1DL

Tgt Ion: 41 Resp: 3510

Ion Ratio Lower Upper

41 100

42 107.5 56.5 84.7#



#13

Ethanol

Concen: 1.230 ppbv

RT: 3.285 min Scan# 212

Delta R.T. 0.006 min

Lab File: VL040896.D

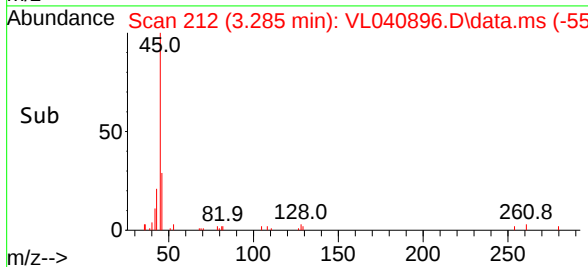
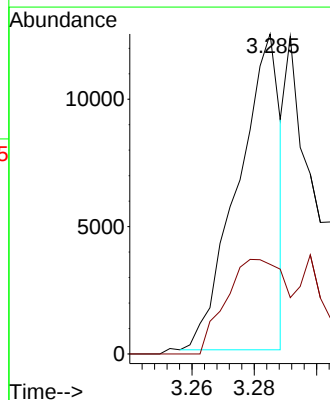
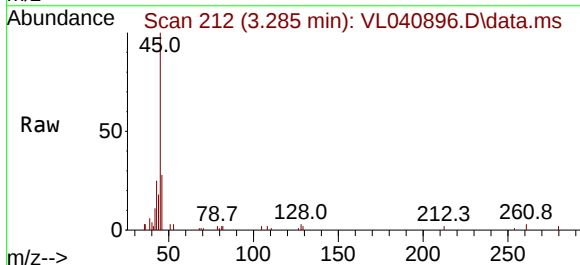
Acq: 17 Nov 2023 15:45

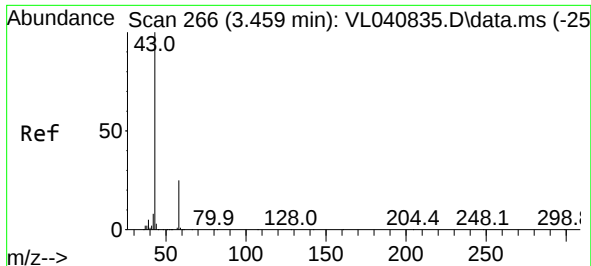
Tgt Ion: 45 Resp: 11685

Ion Ratio Lower Upper

45 100

46 0.0 0.0 0.0

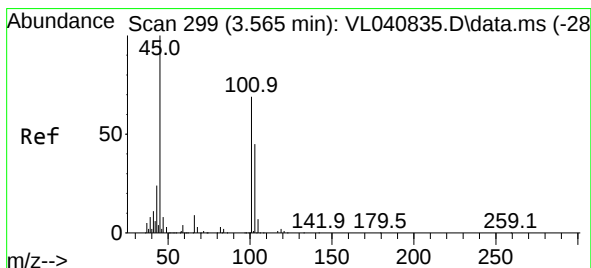
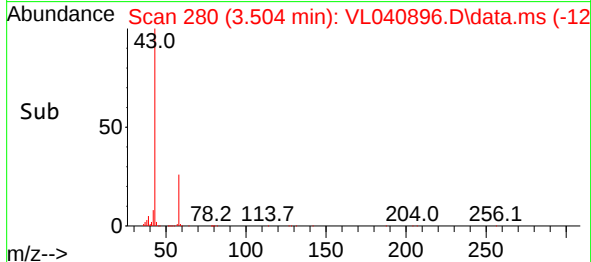
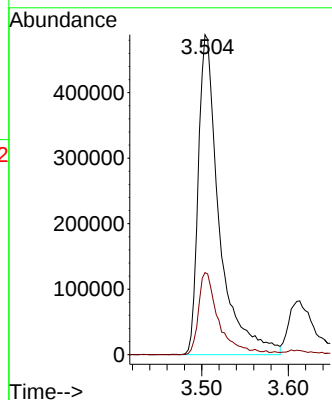
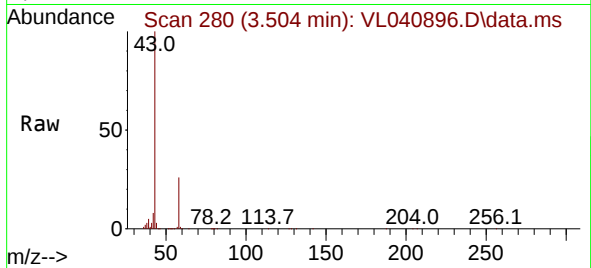




#15
Acetone
Concen: 8.491 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

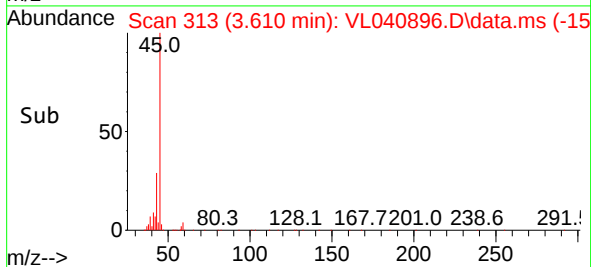
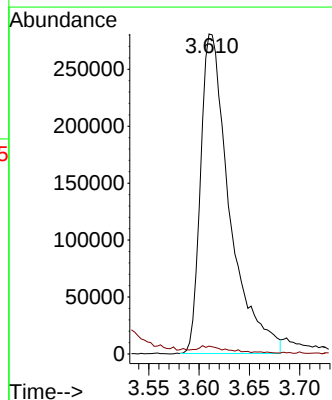
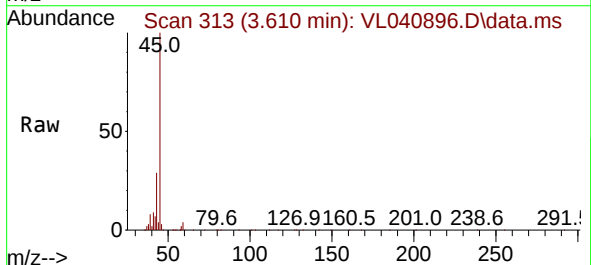
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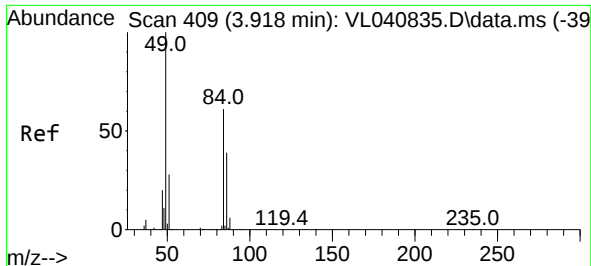
Tgt Ion: 43 Resp: 822485
Ion Ratio Lower Upper
43 100
58 25.3 20.9 31.3



#19
Isopropyl Alcohol
Concen: 9.637 ppbv
RT: 3.610 min Scan# 313
Delta R.T. -0.000 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

Tgt Ion: 45 Resp: 561800
Ion Ratio Lower Upper
45 100
58 2.4 1.6 2.4



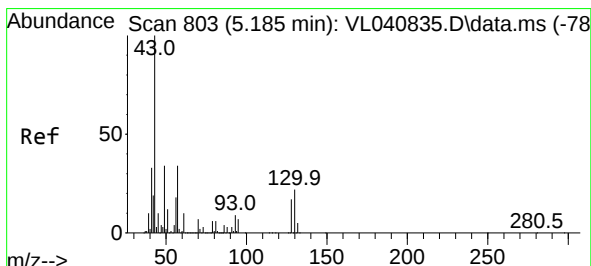
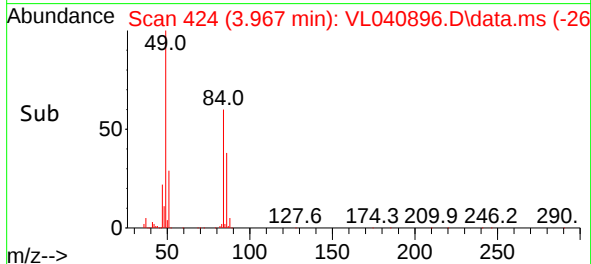
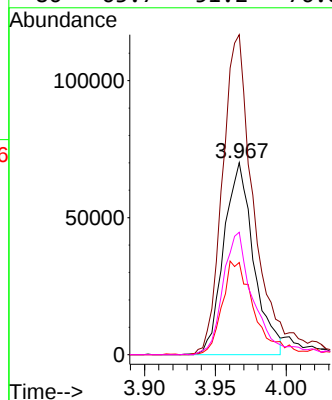
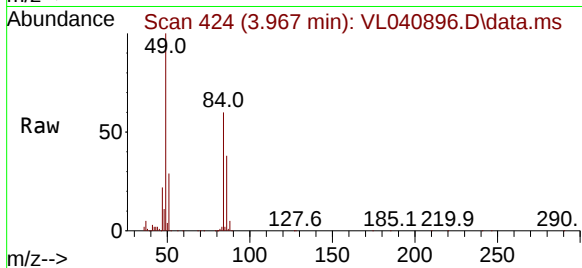


#20
Methylene Chloride
Concen: 2.576 ppbv
RT: 3.967 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 84 Resp: 102996

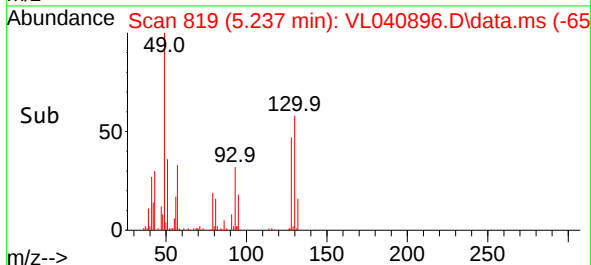
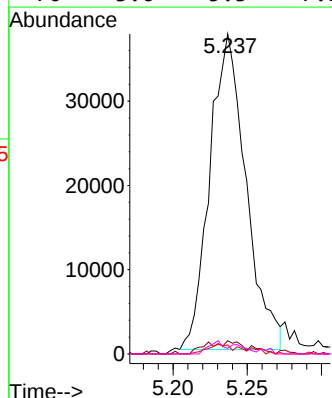
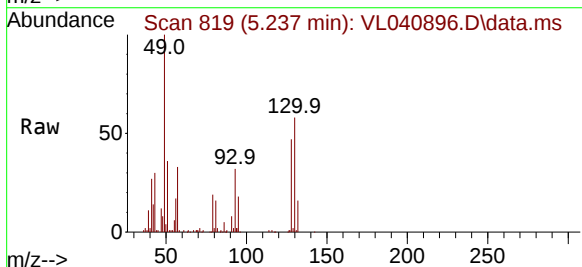
Ion	Ratio	Lower	Upper
84	100		
49	166.6	131.0	196.4
51	48.0	36.9	55.3
86	63.7	51.2	76.8

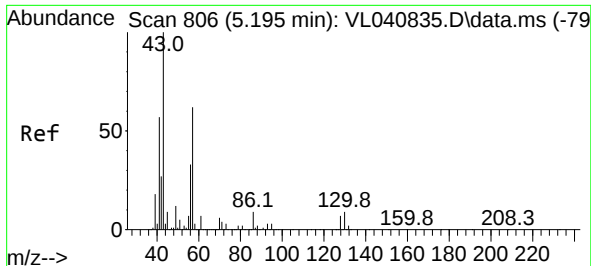


#25
Ethyl Acetate
Concen: 0.317 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.016 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

Tgt Ion: 43 Resp: 63568

Ion	Ratio	Lower	Upper
43	100		
45	5.1	8.1	12.1#
61	3.1	7.8	11.6#
70	3.6	5.3	7.9#

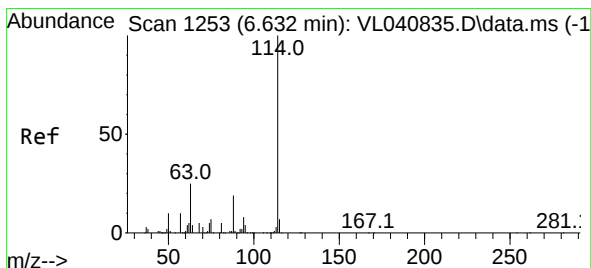
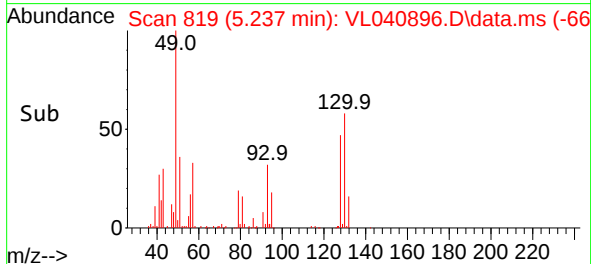
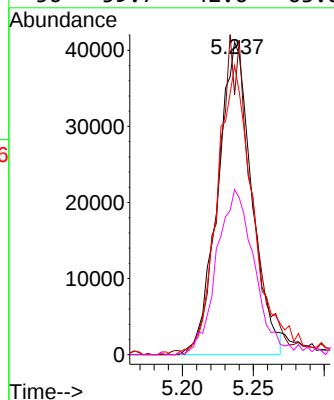
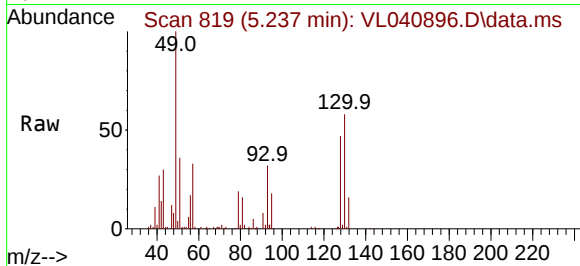




#26
Hexane
Concen: 0.773 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

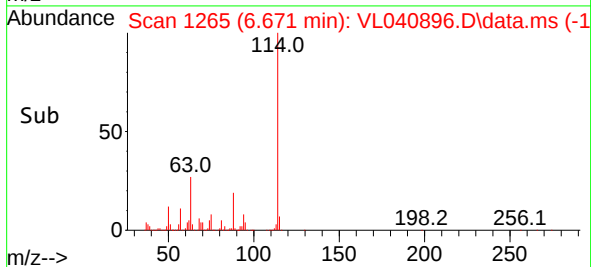
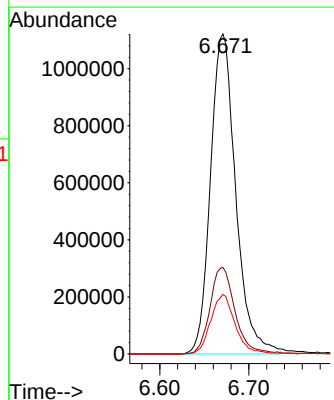
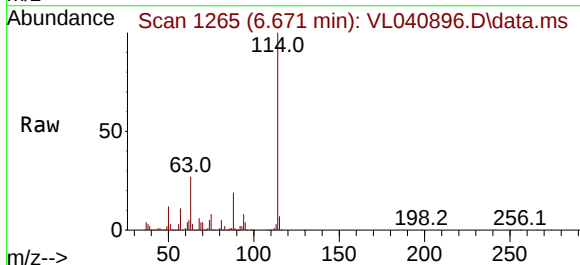
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

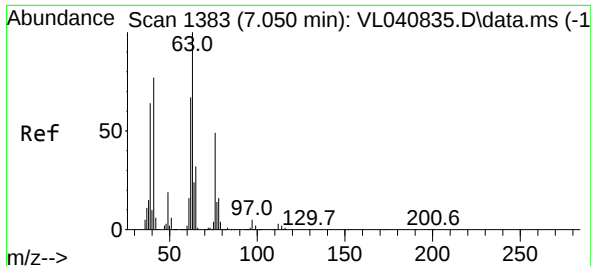
Tgt Ion: 57 Resp: 68656
Ion Ratio Lower Upper
57 100
41 104.1 75.4 113.0
43 101.8 185.9 278.9#
56 59.7 42.6 63.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VL040896.D
Acq: 17 Nov 2023 15:45

Tgt Ion: 114 Resp: 2208908
Ion Ratio Lower Upper
114 100
63 27.1 20.9 31.3
88 18.1 14.3 21.5





#39

1,2-Dichloropropane

Concen: 8.279 ppbv

RT: 6.671 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL040896.D

Acq: 17 Nov 2023 15:45

Instrument :

MSVOA_L

ClientSampleId :

VP-1DL

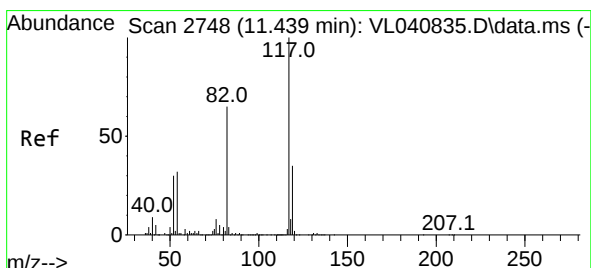
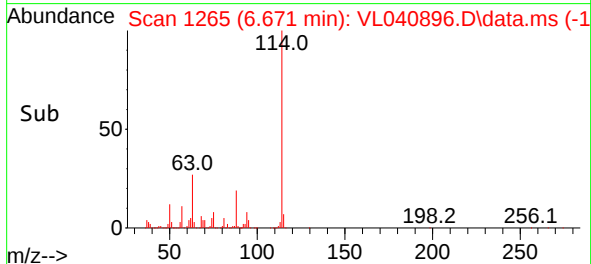
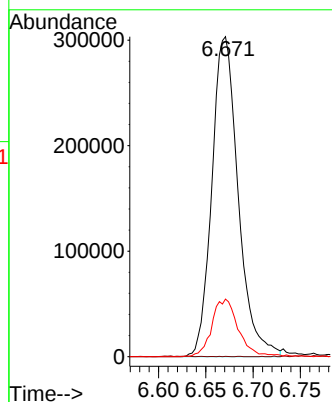
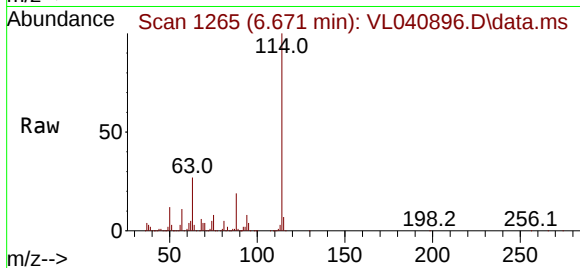
Tgt Ion: 63 Resp: 588483

Ion Ratio Lower Upper

63 100

41 0.1 61.5 92.3#

62 18.0 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. 0.013 min

Lab File: VL040896.D

Acq: 17 Nov 2023 15:45

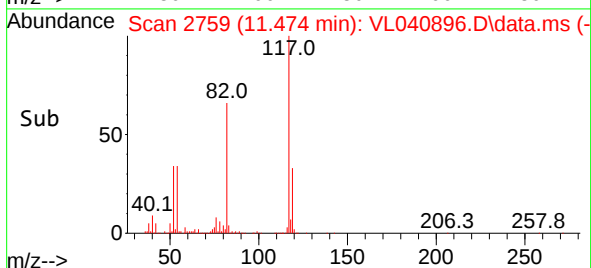
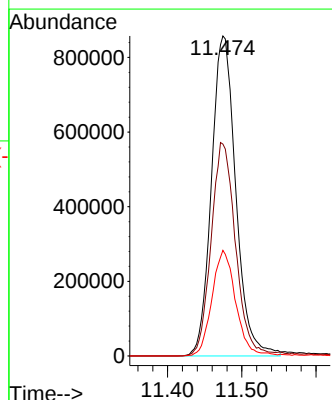
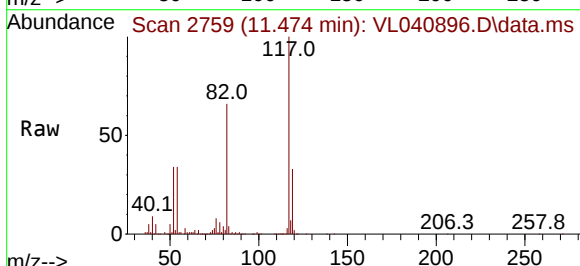
Tgt Ion: 117 Resp: 1956507

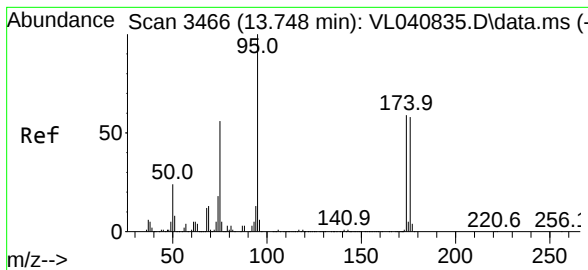
Ion Ratio Lower Upper

117 100

82 67.8 50.6 75.8

119 32.7 23.3 34.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.336 ppbv
 RT: 13.783 min Scan# 34
 Delta R.T. 0.013 min
 Lab File: VL040896.D
 Acq: 17 Nov 2023 15:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Tgt Ion: 95 Resp: 1583334
 Ion Ratio Lower Upper
 95 100
 174 60.0 47.5 71.3
 175 4.2 3.6 5.4

