

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040493.D
 Acq On : 22 Jun 2023 20:05
 Operator : SY/MD
 Sample : 03300-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Quant Time: Jun 23 01:32:10 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)

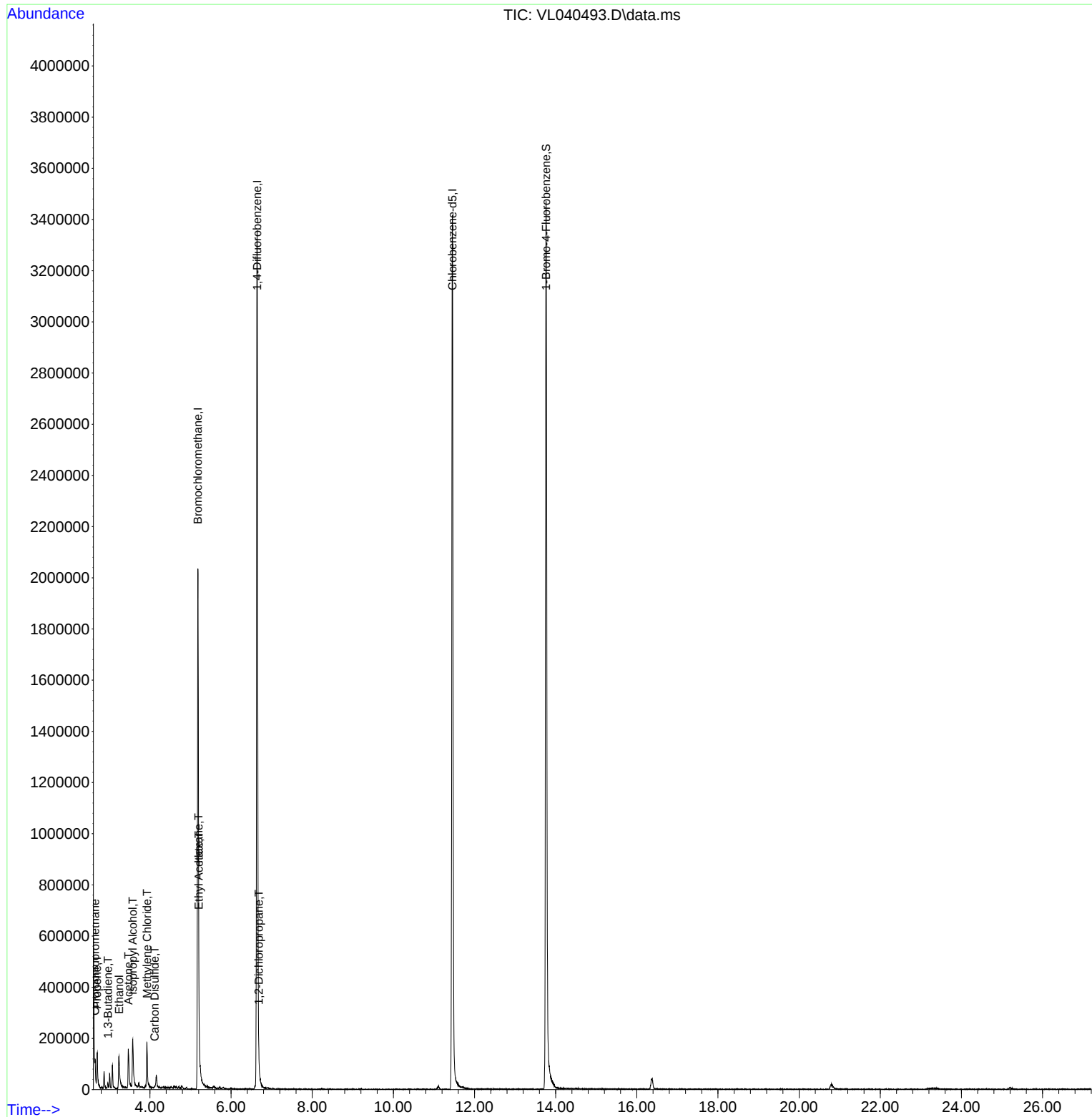
Internal Standards						
1) Bromochloromethane	5.182	49	966506	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2386578	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.455	117	2068268	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1689040	9.895	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.648	51	29356	0.185	ppbv #	58
9) Propene	2.697	41	39795	0.815	ppbv	88
13) Ethanol	3.240	45	132361	13.094	ppbv	90
15) Acetone	3.468	43	149160	1.280	ppbv	93
16) 1,3-Butadiene	2.964	39	5375	0.095	ppbv #	8
19) Isopropyl Alcohol	3.578	45	185722	3.305	ppbv #	94
20) Methylene Chloride	3.928	84	58728	1.180	ppbv	97
25) Ethyl Acetate	5.205	43	12705	0.060	ppbv #	82
26) Hexane	5.201	57	14772	0.148	ppbv #	43
27) Carbon Disulfide	4.118	76	4514	0.036	ppbv #	43
39) 1,2-Dichloropropane	6.684	63	8260	0.113	ppbv #	19

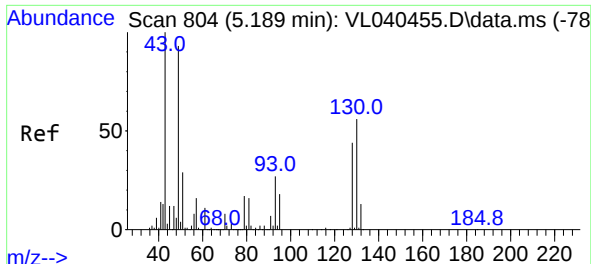
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 23 01:32:10 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

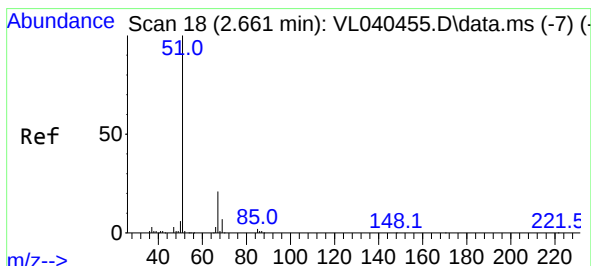
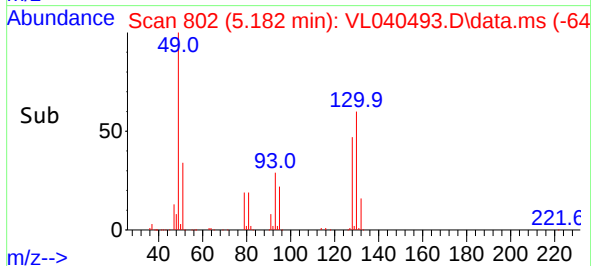
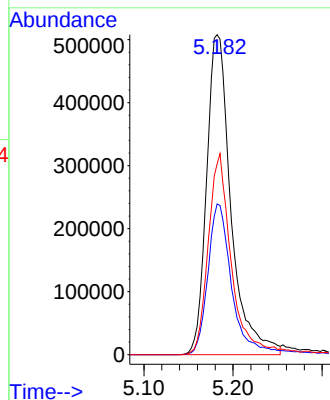
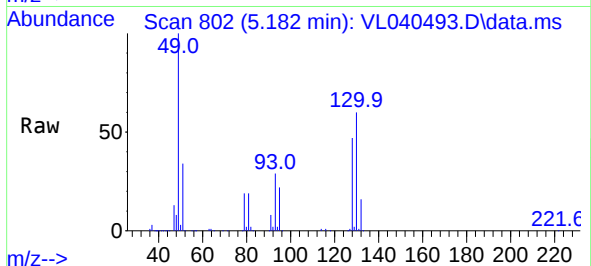




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

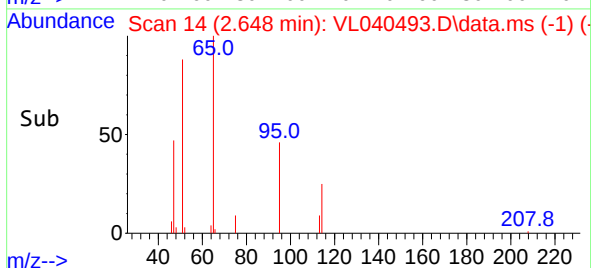
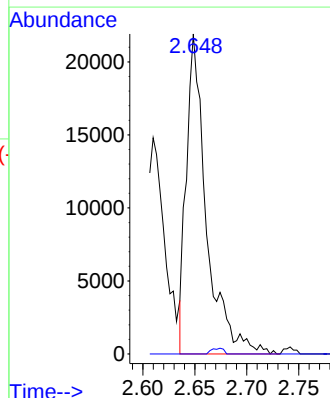
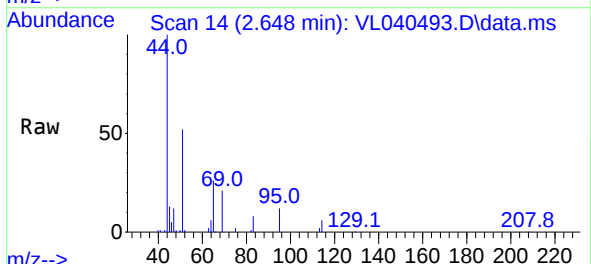
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tgt Ion: 49 Resp: 966506
Ion Ratio Lower Upper
49 100
128 47.5 24.7 74.1
130 61.7 31.4 94.2

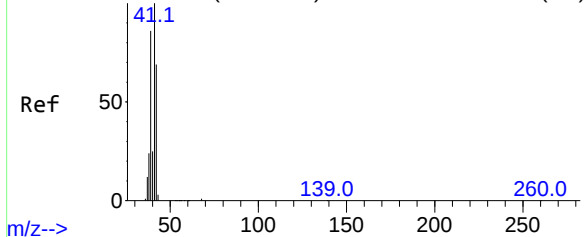


#3
Chlorodifluoromethane
Concen: 0.185 ppbv
RT: 2.648 min Scan# 14
Delta R.T. -0.013 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

Tgt Ion: 51 Resp: 29356
Ion Ratio Lower Upper
51 100
67 1.1 16.3 24.5

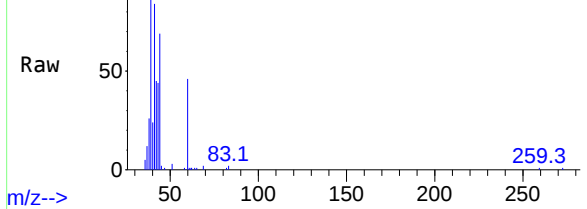


Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



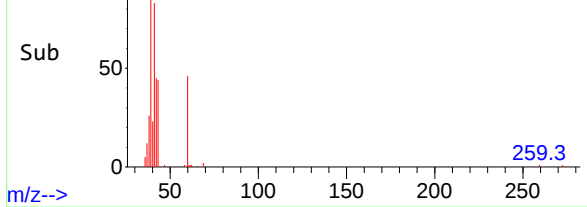
m/z-->

Abundance Scan 29 (2.697 min): VL040493.D\data.ms



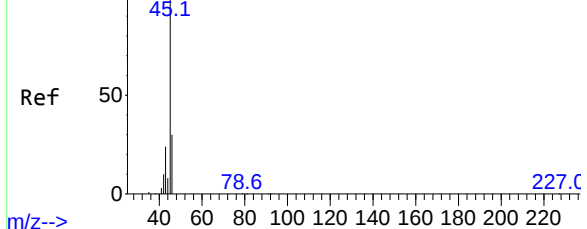
m/z-->

Abundance Scan 29 (2.697 min): VL040493.D\data.ms (-1) (-



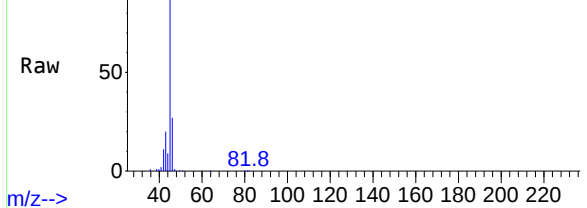
m/z-->

Abundance Scan 194 (3.227 min): VL040455.D\data.ms (-18



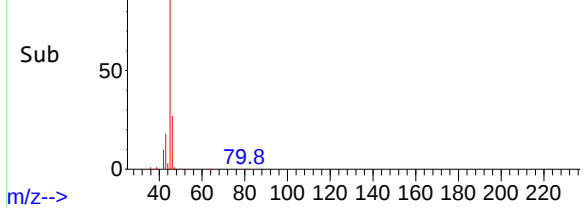
m/z-->

Abundance Scan 198 (3.240 min): VL040493.D\data.ms



m/z-->

Abundance Scan 198 (3.240 min): VL040493.D\data.ms (-38



m/z-->

#9

Propene

Concen: 0.815 ppbv

RT: 2.697 min Scan# 29

Delta R.T. 0.019 min

Lab File: VL040493.D

Acq: 22 Jun 2023 20:05

Instrument :

MSVOA_L

ClientSampleId :

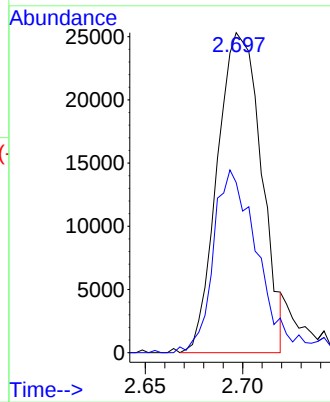
SV-3DL

Tgt Ion: 41 Resp: 39795

Ion Ratio Lower Upper

41 100

42 60.7 56.2 84.2



#13

Ethanol

Concen: 13.094 ppbv

RT: 3.240 min Scan# 198

Delta R.T. 0.013 min

Lab File: VL040493.D

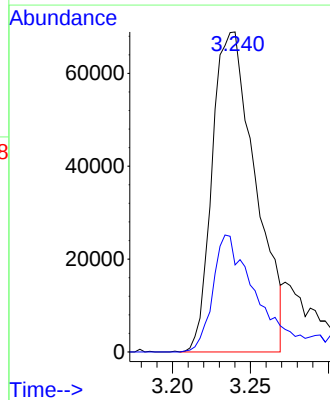
Acq: 22 Jun 2023 20:05

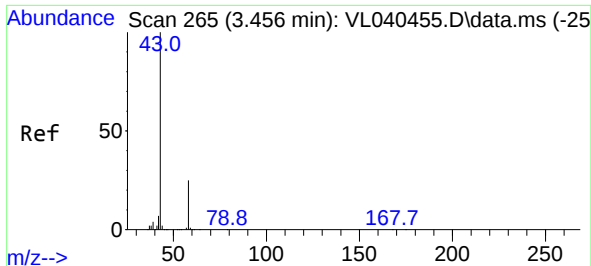
Tgt Ion: 45 Resp: 132361

Ion Ratio Lower Upper

45 100

46 42.2 14.5 58.1

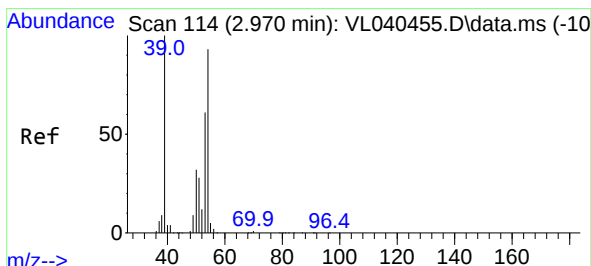
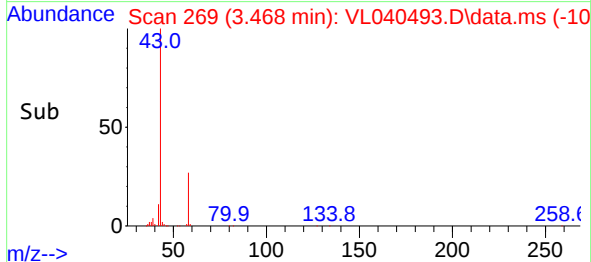
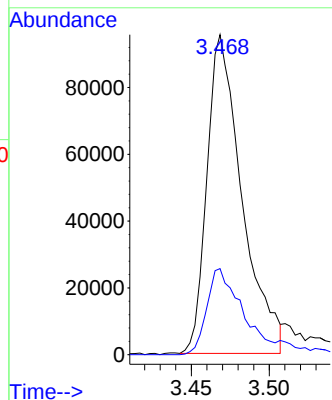
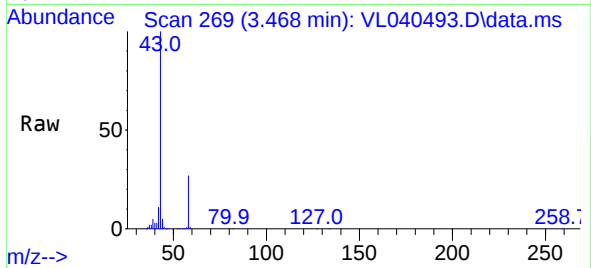




#15
Acetone
Concen: 1.280 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

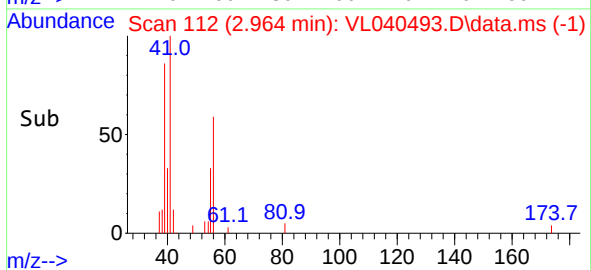
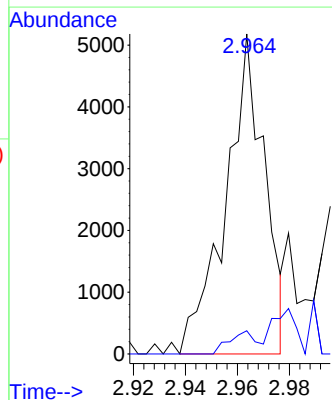
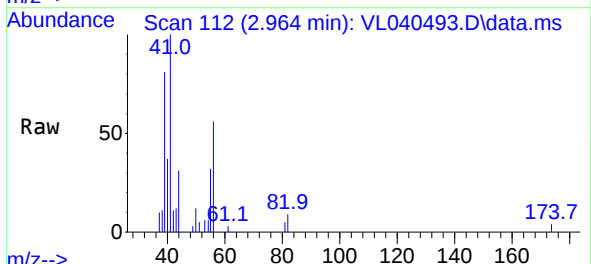
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

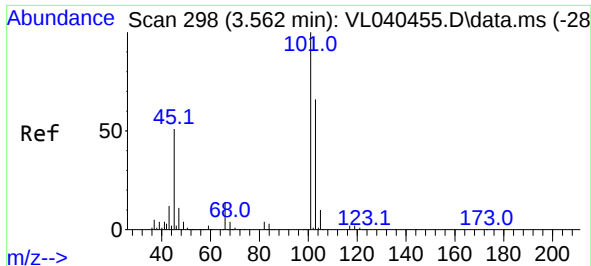
Tgt Ion: 43 Resp: 149160
Ion Ratio Lower Upper
43 100
58 30.9 21.6 32.4



#16
1,3-Butadiene
Concen: 0.095 ppbv
RT: 2.964 min Scan# 112
Delta R.T. -0.006 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

Tgt Ion: 39 Resp: 5375
Ion Ratio Lower Upper
39 100
54 0.0 66.9 100.3





#19

Isopropyl Alcohol

Concen: 3.305 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.016 min

Lab File: VL040493.D

Acq: 22 Jun 2023 20:05

Instrument :

MSVOA_L

ClientSampleId :

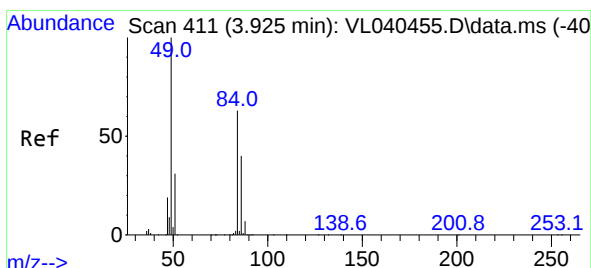
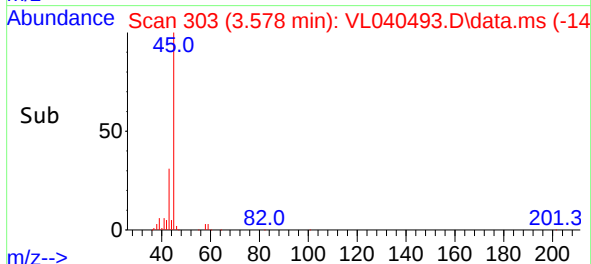
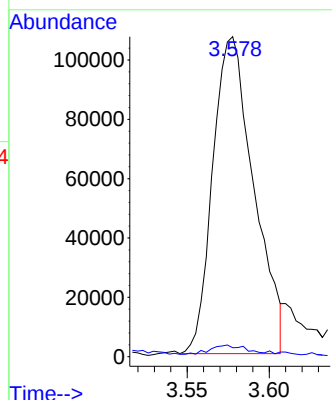
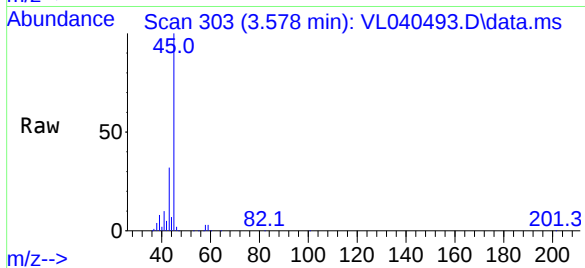
SV-3DL

Tgt Ion: 45 Resp: 185722

Ion Ratio Lower Upper

45 100

58 5.4 2.6 4.0#



#20

Methylene Chloride

Concen: 1.180 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.003 min

Lab File: VL040493.D

Acq: 22 Jun 2023 20:05

Tgt Ion: 84 Resp: 58728

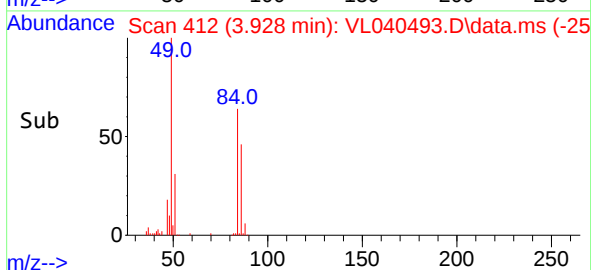
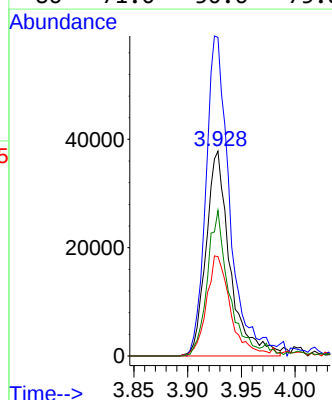
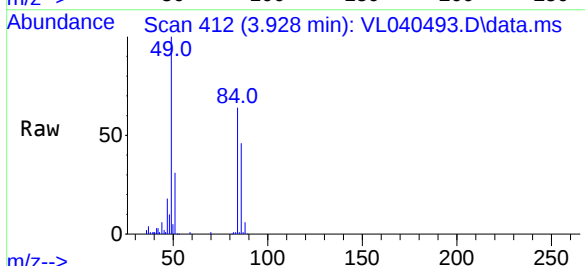
Ion Ratio Lower Upper

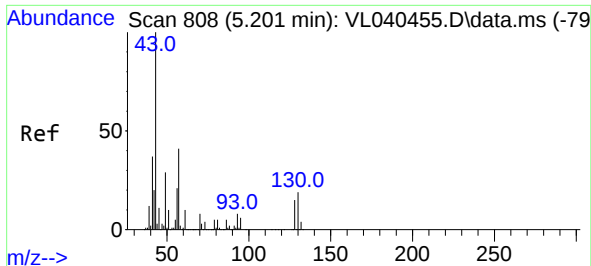
84 100

49 155.6 126.2 189.2

51 48.5 38.7 58.1

86 71.0 50.6 75.8

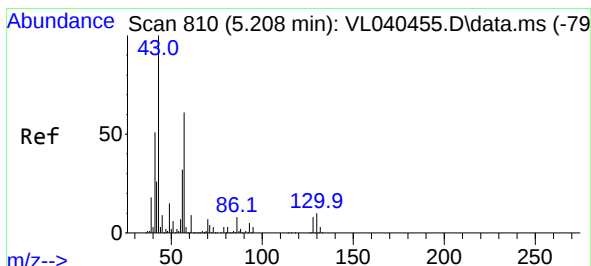
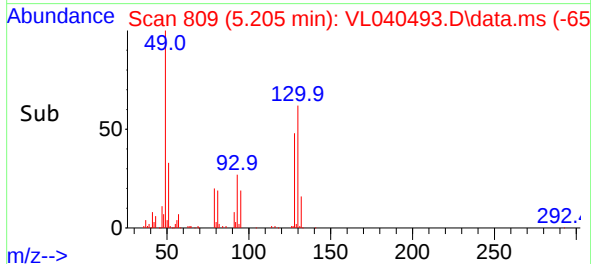
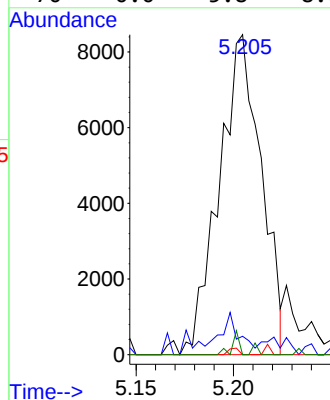
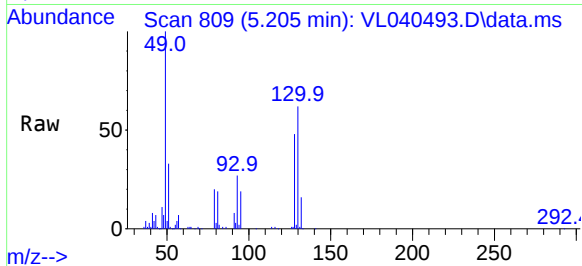




#25
Ethyl Acetate
Concen: 0.060 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.003 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

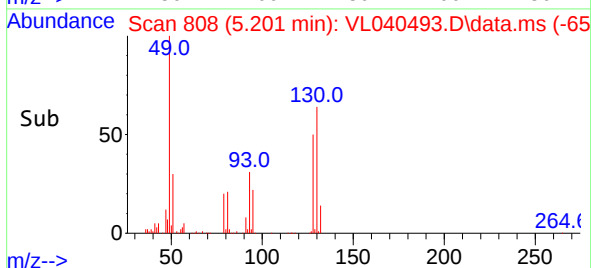
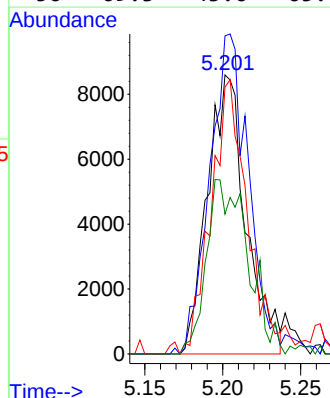
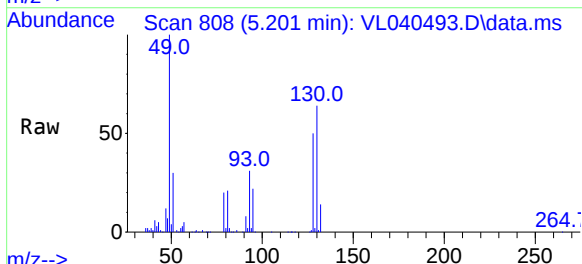
Instrument :
MSVOA_L
ClientSampleId :
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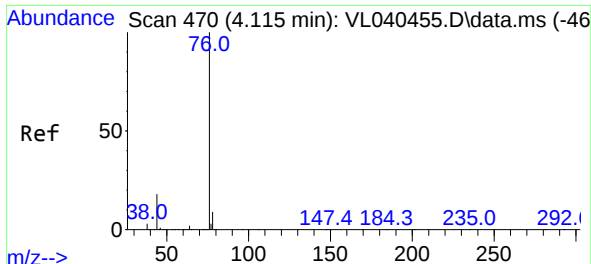
Tgt Ion: 43	Resp: 12705
Ion Ratio	Lower Upper
43 100	
45 12.8	8.0 12.0#
61 0.0	8.1 12.1#
70 0.0	5.8 8.6#



#26
Hexane
Concen: 0.148 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

Tgt Ion: 57	Resp: 14772
Ion Ratio	Lower Upper
57 100	
41 117.8	73.0 109.6#
43 95.5	177.5 266.3#
56 69.3	43.6 65.4#

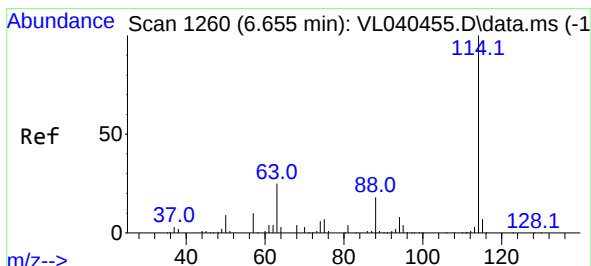
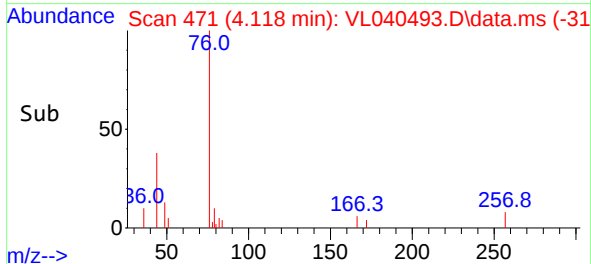
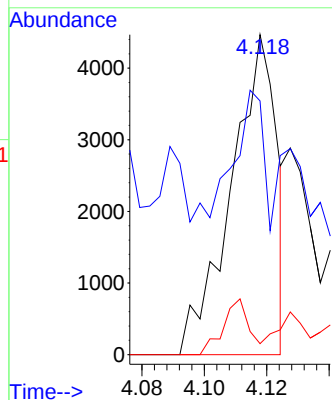
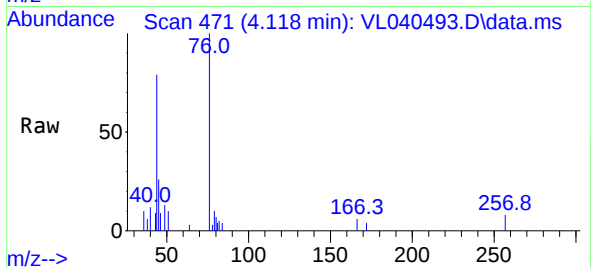




#27
Carbon Disulfide
Concen: 0.036 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

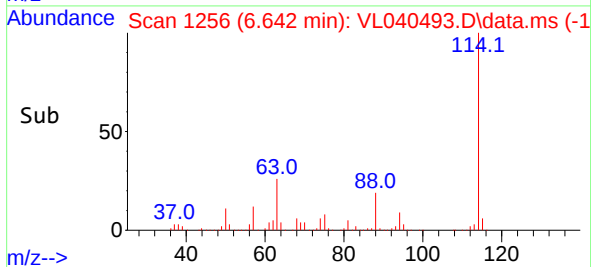
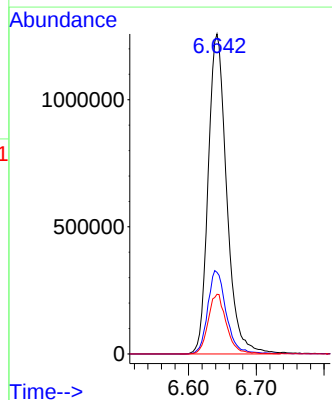
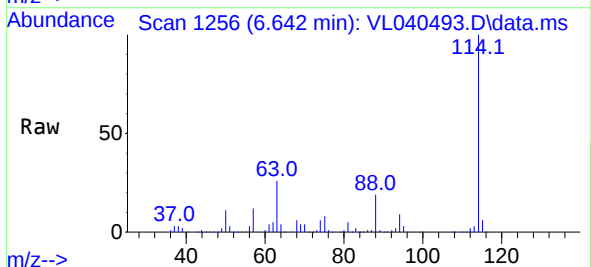
Instrument :
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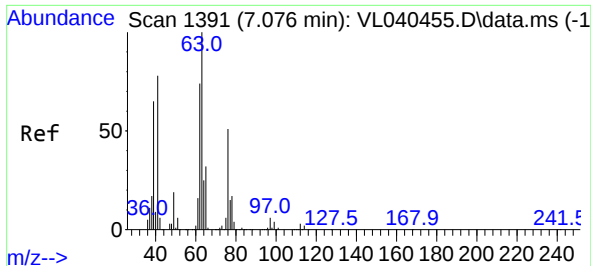
Tgt Ion: 76 Resp: 4514
Ion Ratio Lower Upper
76 100
44 46.7 14.6 22.0#
78 25.7 7.6 11.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VL040493.D
Acq: 22 Jun 2023 20:05

Tgt Ion: 114 Resp: 2386578
Ion Ratio Lower Upper
114 100
63 26.3 21.0 31.6
88 18.6 14.5 21.7





#39

1,2-Dichloropropane

Concen: 0.113 ppbv

RT: 6.684 min Scan# 11

Delta R.T. -0.392 min

Lab File: VL040493.D

Acq: 22 Jun 2023 20:05

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL

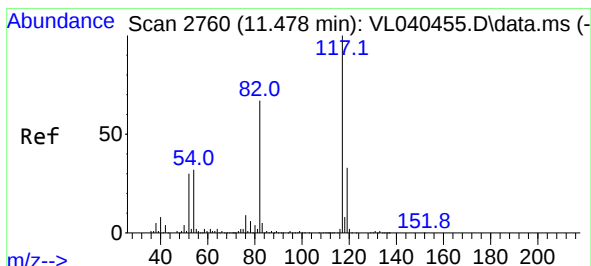
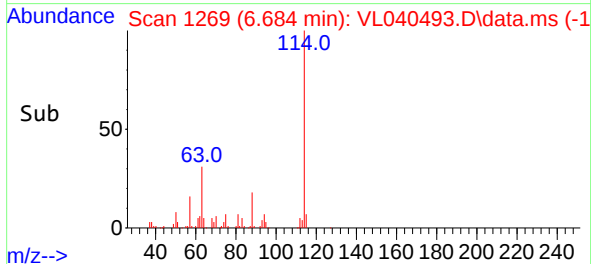
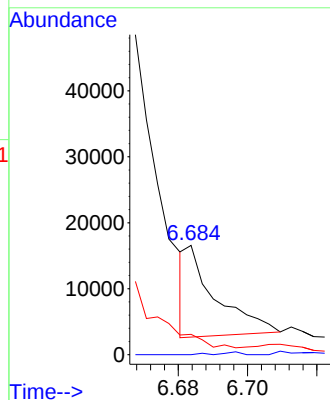
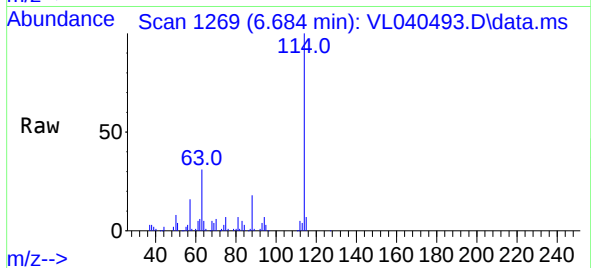
Tgt Ion: 63 Resp: 8260

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.2#

62 12.7 59.0 88.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. -0.023 min

Lab File: VL040493.D

Acq: 22 Jun 2023 20:05

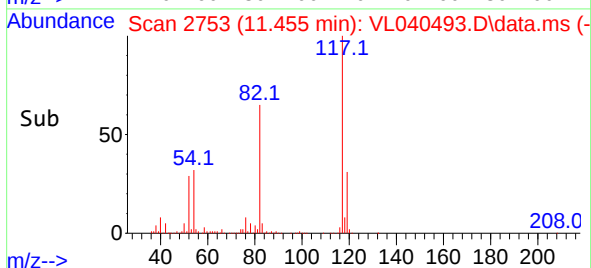
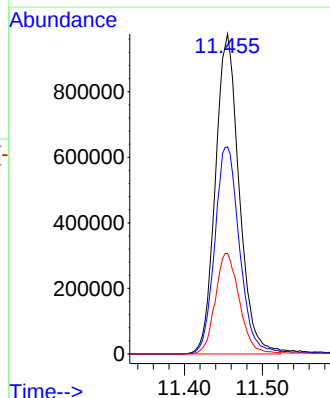
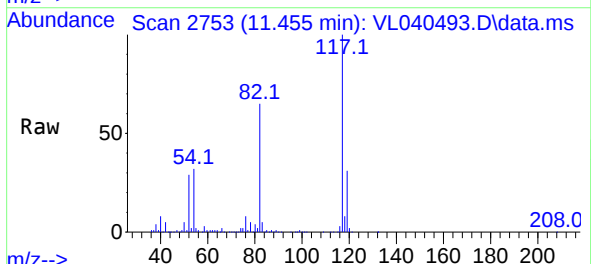
Tgt Ion: 117 Resp: 2068268

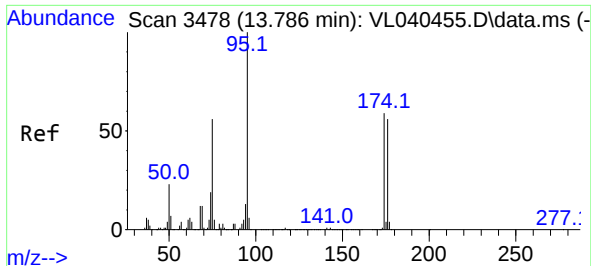
Ion Ratio Lower Upper

117 100

82 68.5 53.0 79.4

119 32.2 24.4 36.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.895 ppbv

RT: 13.764 min Scan# 34

Delta R.T. -0.023 min

Lab File: VL040493.D

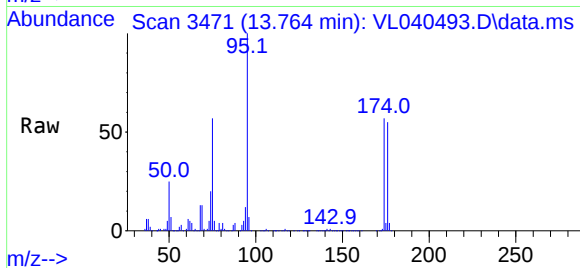
Acq: 22 Jun 2023 20:05

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL



Tgt Ion: 95 Resp: 1689040

Ion Ratio Lower Upper

95 100

174 60.1 47.7 71.5

175 4.2 3.5 5.3

