

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041109.D
 Acq On : 14 Mar 2024 16:25
 Operator : SY/MD
 Sample : P1748-01DL2 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DL2

Quant Time: Mar 16 04:18:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 15 02:44:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1256678	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	3055798	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.465	117	2708004	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2190577	10.346	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

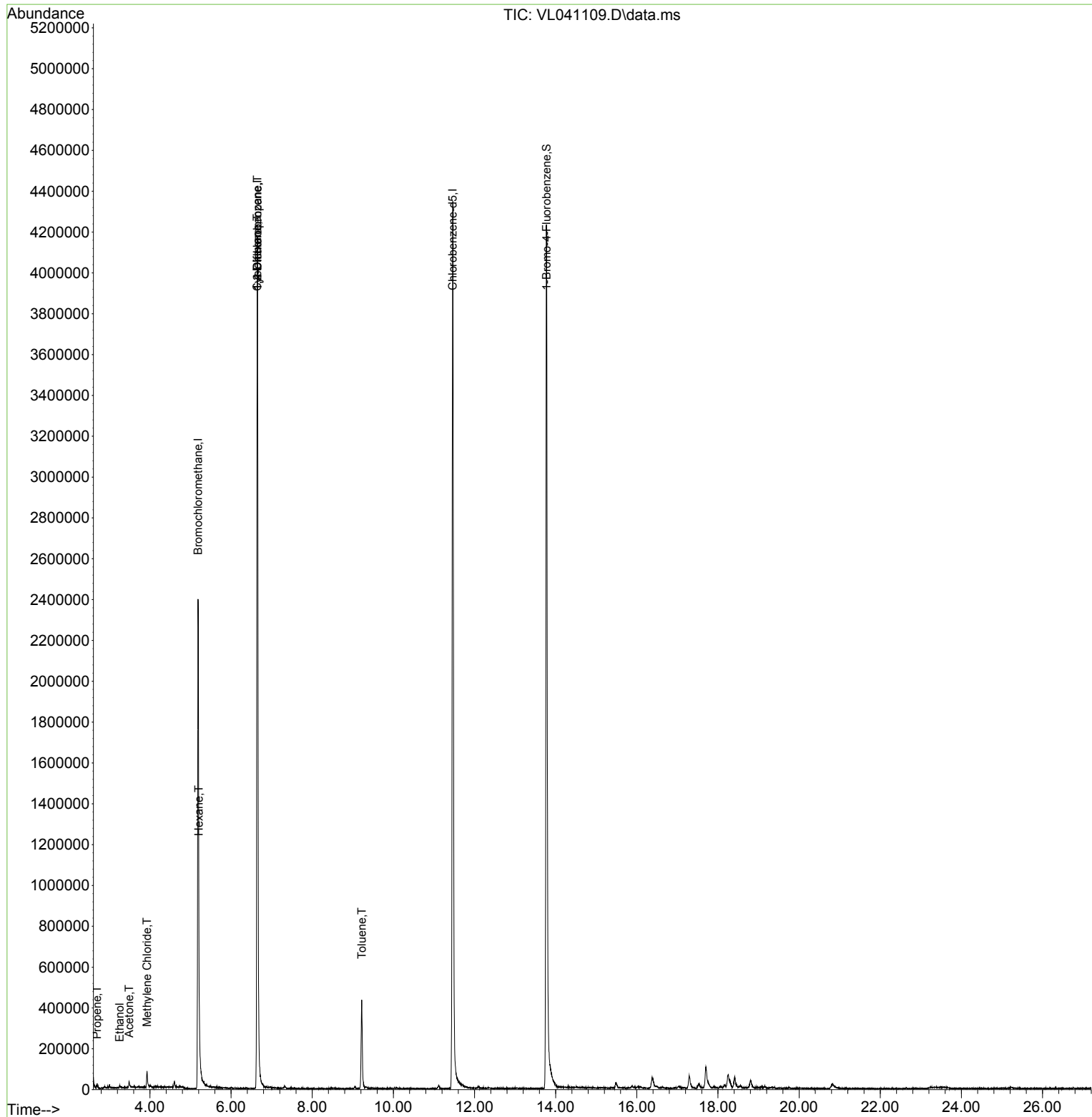
9) Propene	2.693	41	3942	0.064	ppbv	87
13) Ethanol	3.253	45	5218	0.319	ppbv #	48
15) Acetone	3.491	43	20234	0.141	ppbv #	84
20) Methylene Chloride	3.931	84	24097	0.432	ppbv #	83
26) Hexane	5.205	57	4673	0.041	ppbv #	24
30) Cyclohexane	6.642	84	4871	0.051	ppbv #	2
39) 1,2-Dichloropropane	6.648	63	773546	8.502	ppbv #	23
53) Toluene	9.224	91	321376	1.311	ppbv	99

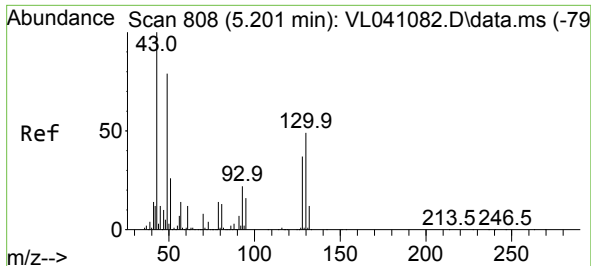
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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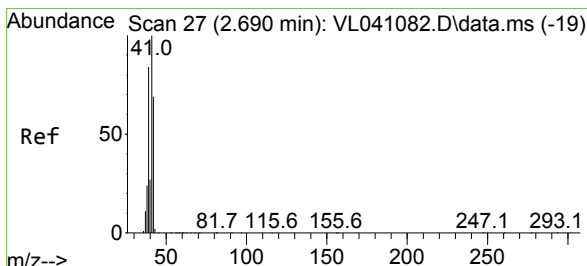
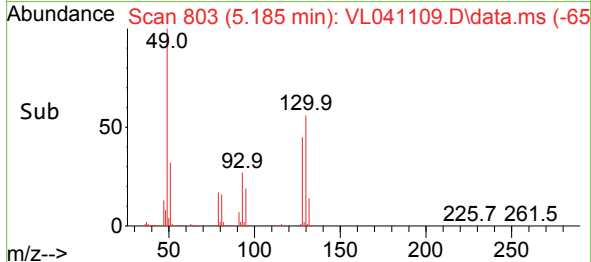
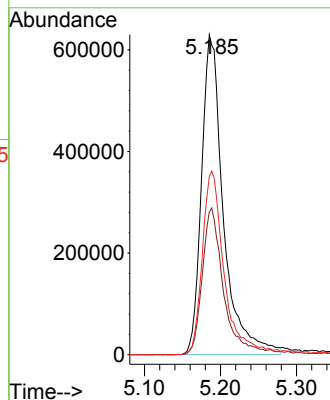
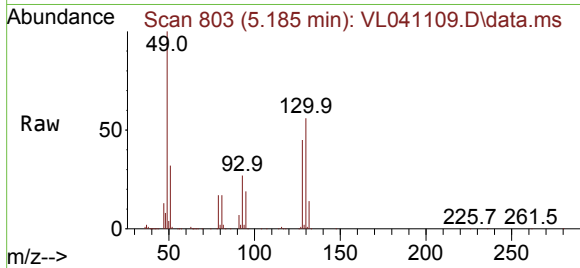




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

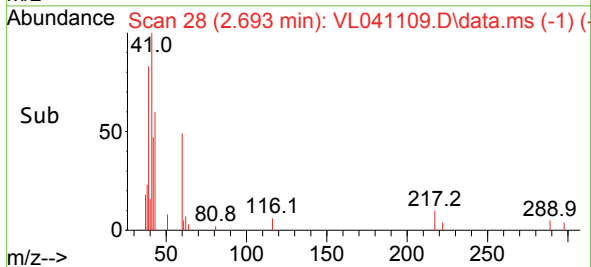
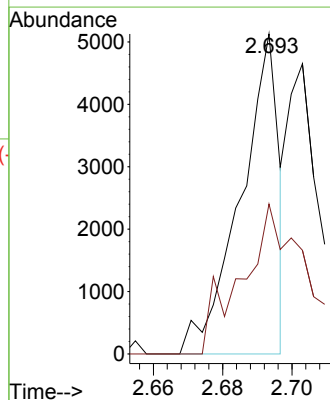
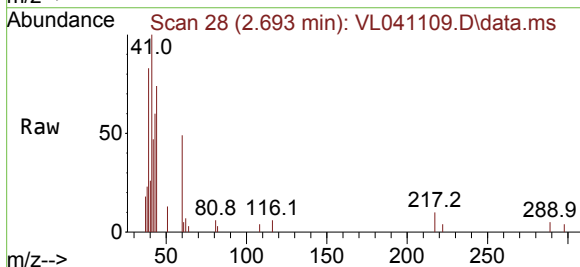
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL2

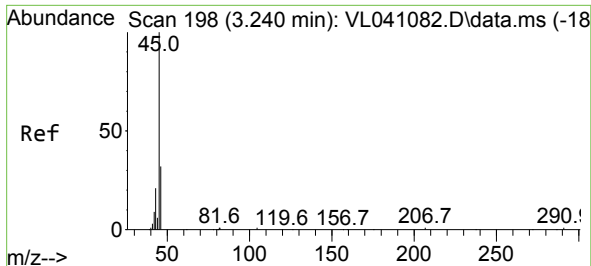
Tgt Ion: 49 Resp: 1256678
Ion Ratio Lower Upper
49 100
128 45.6 23.8 71.5
130 59.2 30.3 90.9



#9
Propene
Concen: 0.064 ppbv
RT: 2.693 min Scan# 28
Delta R.T. 0.003 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

Tgt Ion: 41 Resp: 3942
Ion Ratio Lower Upper
41 100
42 80.5 55.9 83.9

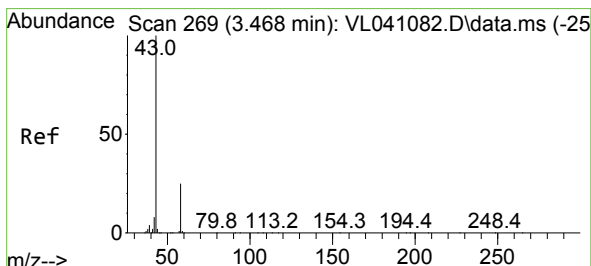
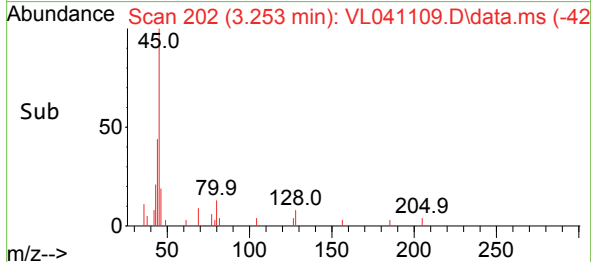
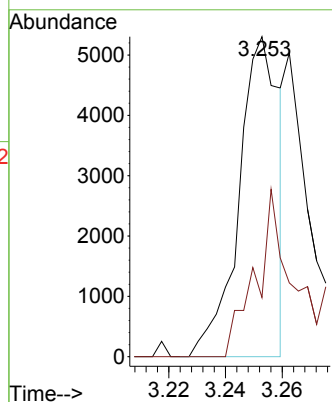
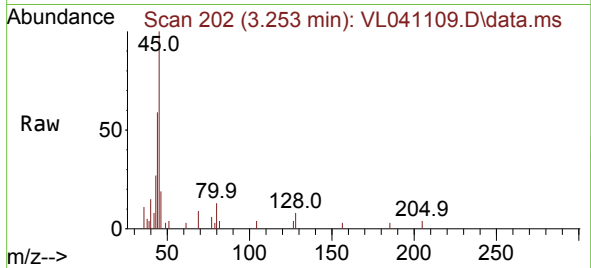




#13
Ethanol
Concen: 0.319 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

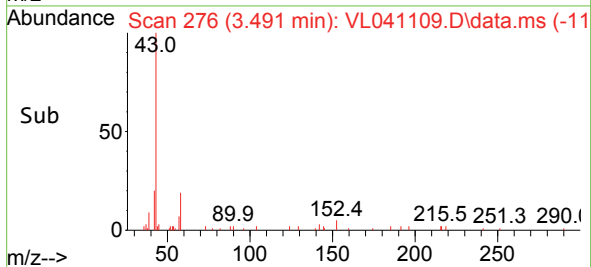
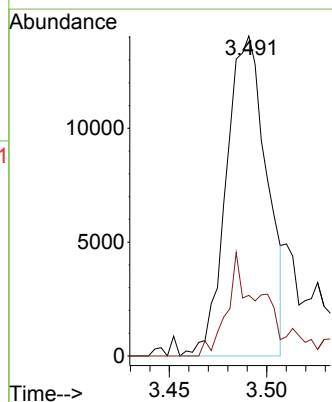
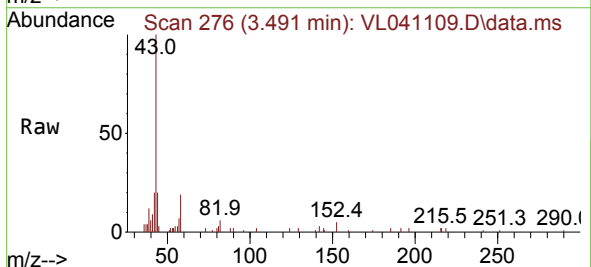
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL2

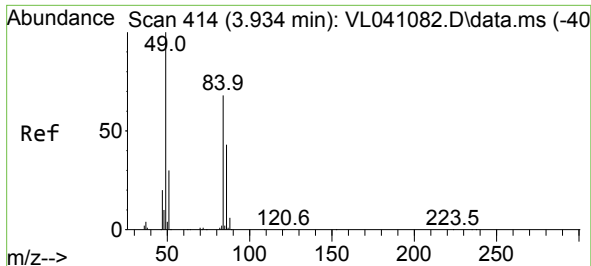
Tgt Ion: 45 Resp: 5218
Ion Ratio Lower Upper
45 100
46 66.8 14.6 58.2#



#15
Acetone
Concen: 0.141 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.023 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

Tgt Ion: 43 Resp: 20234
Ion Ratio Lower Upper
43 100
58 35.4 21.7 32.5#

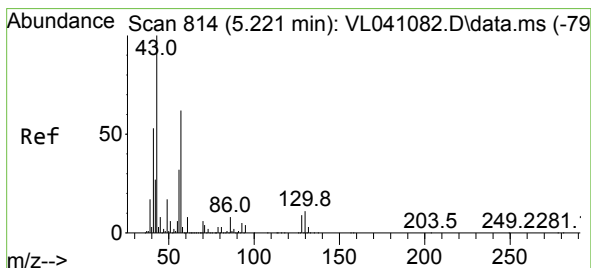
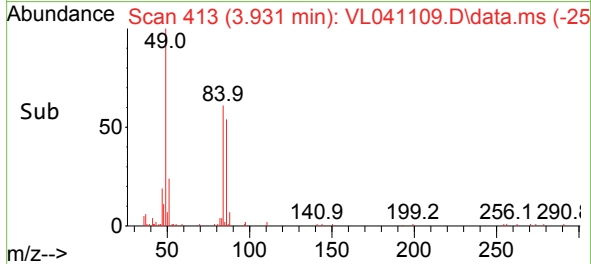
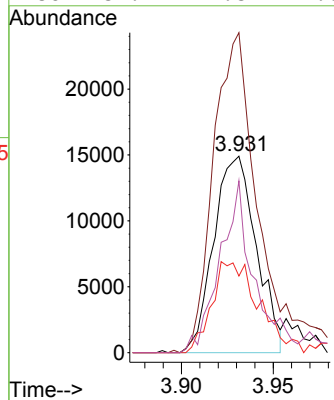
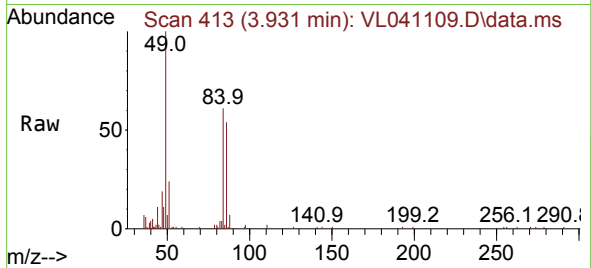




#20
Methylene Chloride
Concen: 0.432 ppbv
RT: 3.931 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

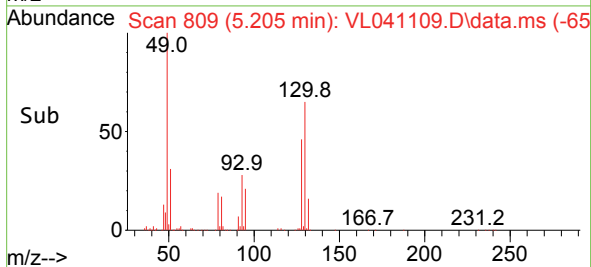
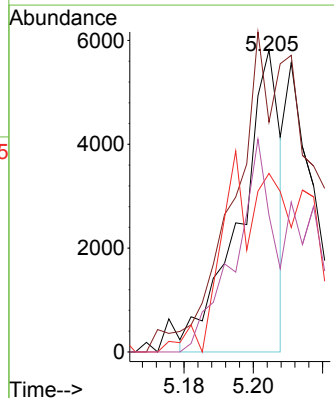
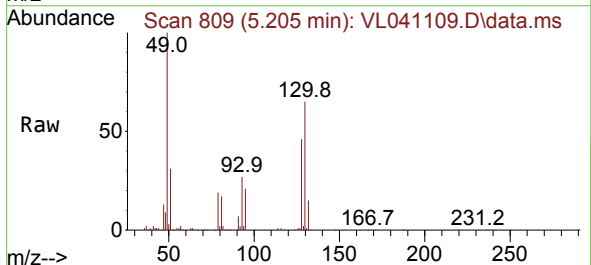
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL2

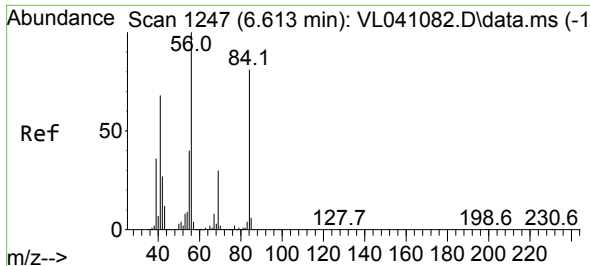
Tgt Ion: 84 Resp: 24097
Ion Ratio Lower Upper
84 100
49 162.8 117.0 175.6
51 39.0 34.9 52.3
86 87.4 49.8 74.6#



#26
Hexane
Concen: 0.041 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.016 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

Tgt Ion: 57 Resp: 4673
Ion Ratio Lower Upper
57 100
41 229.4 73.8 110.6#
43 158.8 184.2 276.2#
56 128.2 43.1 64.7#

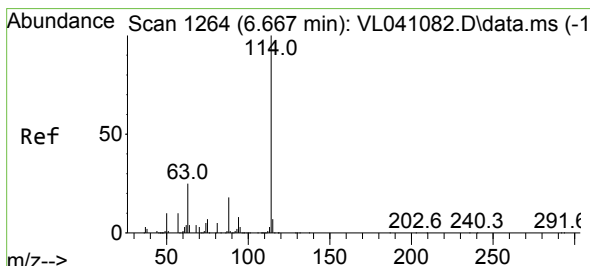
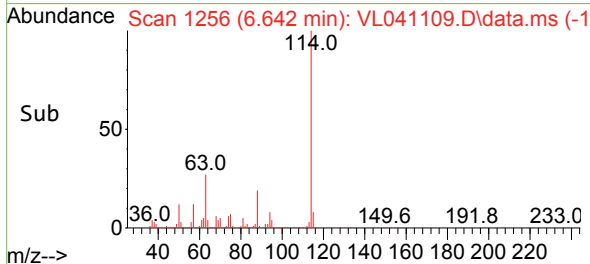
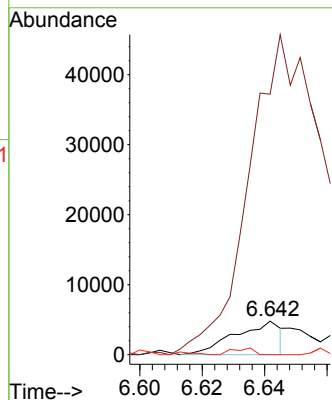
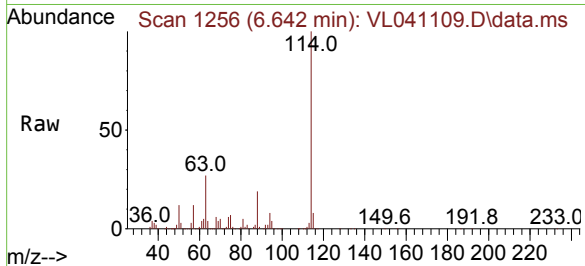




#30
Cyclohexane
Concen: 0.051 ppbv
RT: 6.642 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

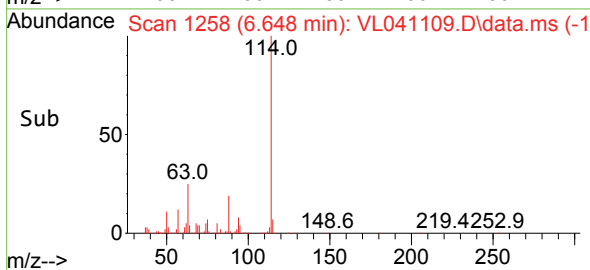
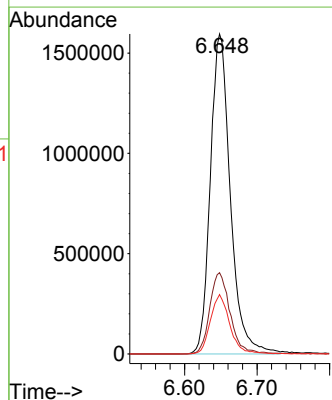
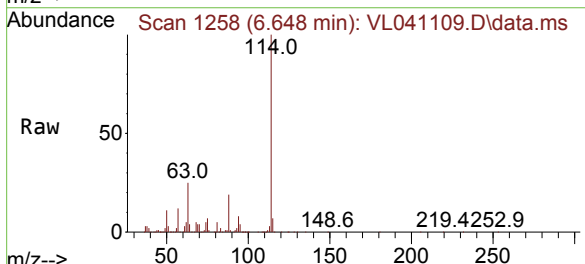
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL2

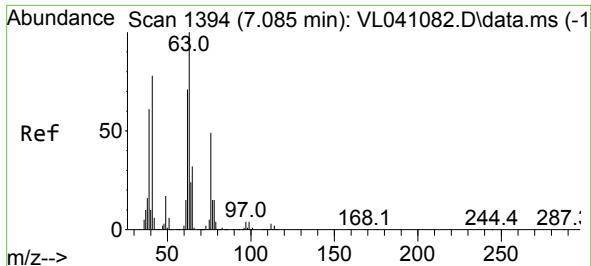
Tgt Ion: 84 Resp: 4871
Ion Ratio Lower Upper
84 100
56 0.0 110.4 165.6#
41 21.6 70.6 105.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.019 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

Tgt Ion: 114 Resp: 3055798
Ion Ratio Lower Upper
114 100
63 26.2 21.0 31.6
88 18.0 14.6 22.0





#39

1,2-Dichloropropane

Concen: 8.502 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.437 min

Lab File: VL041109.D

Acq: 14 Mar 2024 16:25

Instrument :

MSVOA_L

ClientSampleId :

SVP-04DL2

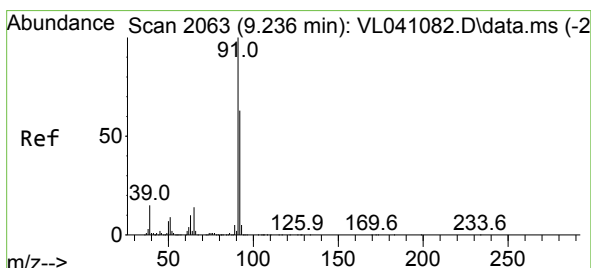
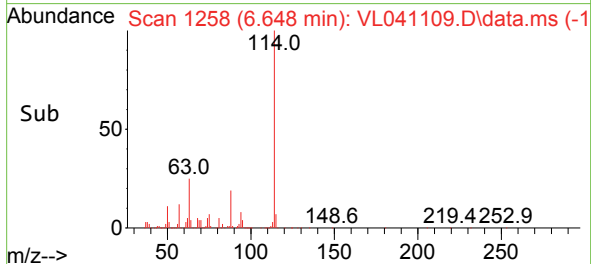
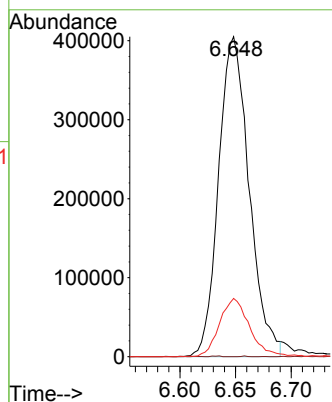
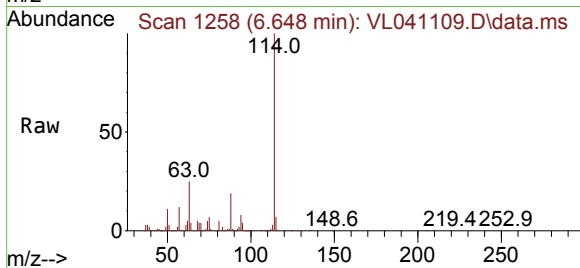
Tgt Ion: 63 Resp: 773546

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.4#

62 18.1 57.0 85.4#



#53

Toluene

Concen: 1.311 ppbv

RT: 9.224 min Scan# 2059

Delta R.T. -0.013 min

Lab File: VL041109.D

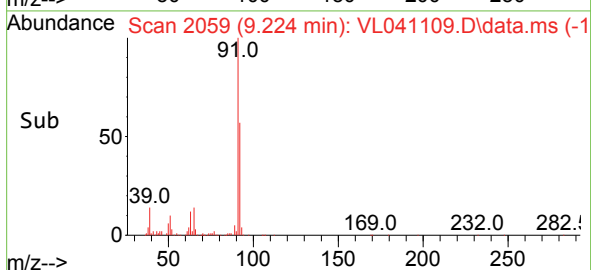
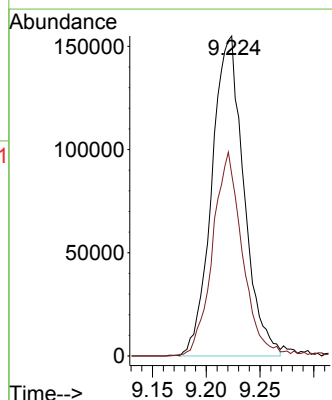
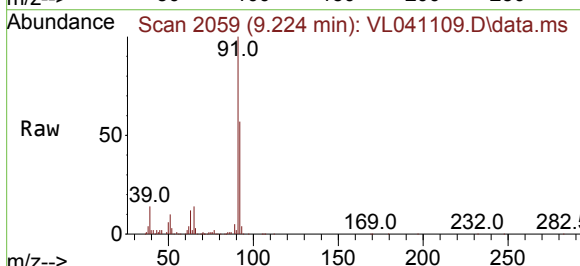
Acq: 14 Mar 2024 16:25

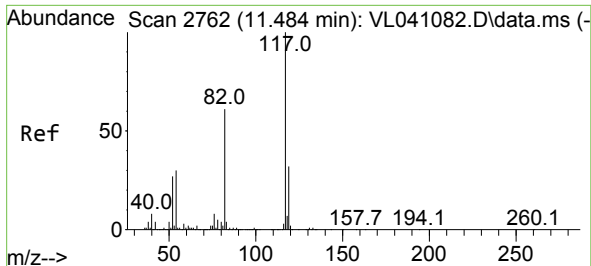
Tgt Ion: 91 Resp: 321376

Ion Ratio Lower Upper

91 100

92 60.5 48.9 73.3

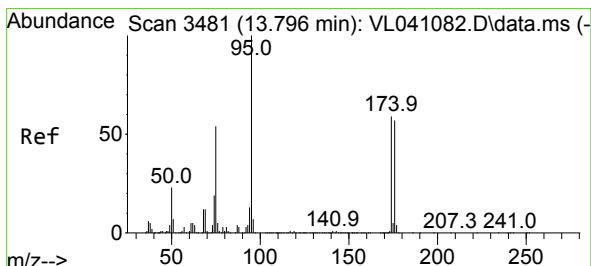
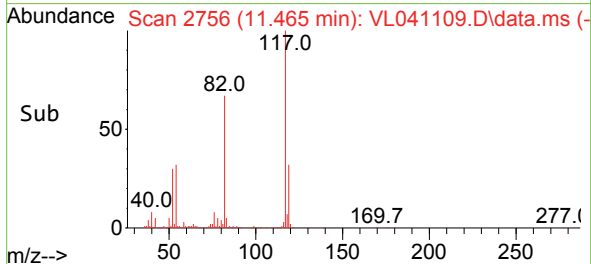
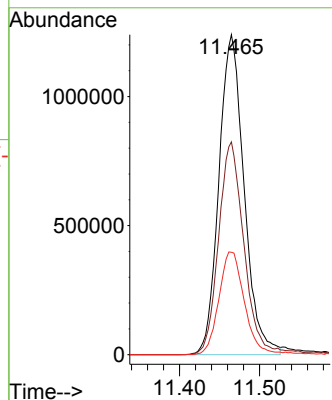
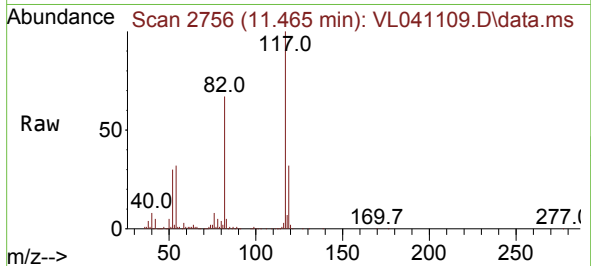




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

Instrument :
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ClientSampleId :
SVP-04DL2

Tgt Ion:117 Resp: 2708004
Ion Ratio Lower Upper
117 100
82 68.3 51.4 77.2
119 33.0 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.346 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. -0.022 min
Lab File: VL041109.D
Acq: 14 Mar 2024 16:25

Tgt Ion: 95 Resp: 2190577
Ion Ratio Lower Upper
95 100
174 59.8 47.8 71.8
175 4.4 3.5 5.3

