

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041053.D
 Acq On : 9 Feb 2024 11:44
 Operator : SY/MD
 Sample : P1420-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS2RDL

Quant Time: Feb 12 00:44:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Feb 12 00:40:04 2024
 Response via : Initial Calibration

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

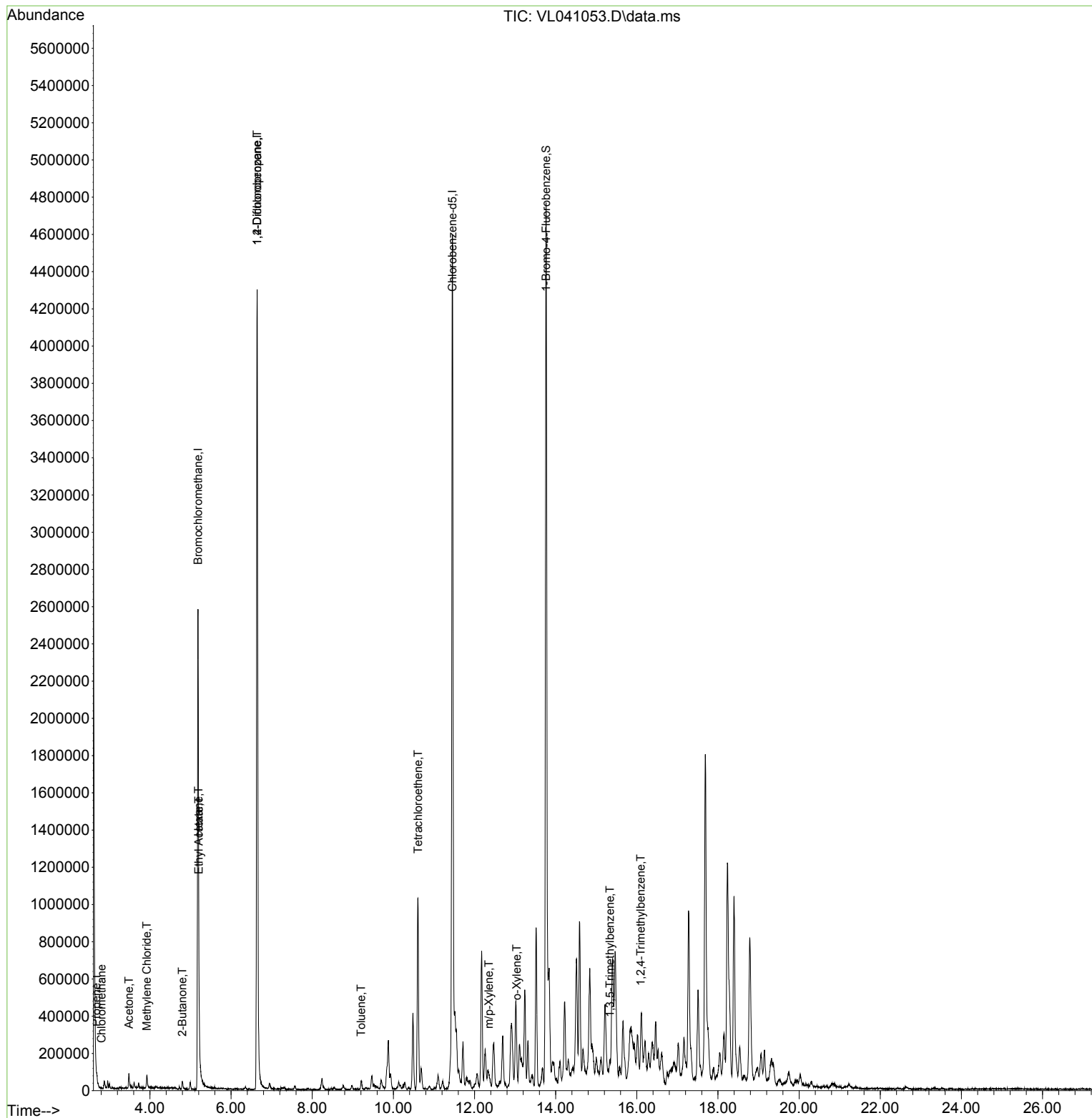
Internal Standards						
1) Bromochloromethane	5.185	49	1258168	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3396094	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3067143	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2397528	10.349	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%
Target Compounds						
					Qvalue	
4) Chloromethane	2.806	50	1615	0.020	ppbv #	42
9) Propene	2.677	41	1745	0.025	ppbv #	13
15) Acetone	3.481	43	73570	0.457	ppbv #	74
20) Methylene Chloride	3.925	84	19930	0.322	ppbv	91
25) Ethyl Acetate	5.205	43	45175	0.155	ppbv #	77
26) Hexane	5.201	57	64186	0.516	ppbv #	38
34) 2-Butanone	4.800	43	48834	0.302	ppbv	98
39) 1,2-Dichloropropane	6.642	63	823618	7.454	ppbv #	24
52) Tetrachloroethene	10.606	164	240618	2.583	ppbv	99
53) Toluene	9.204	91	19350	0.063	ppbv #	20
59) m/p-Xylene	12.352	91	19044	0.053	ppbv #	32
60) o-Xylene	13.040	91	13215	0.038	ppbv #	12
73) 1,3,5-Trimethylbenzene	15.342	105	7712	0.023	ppbv #	78
74) 1,2,4-Trimethylbenzene	16.095	105	30579	0.079	ppbv #	65

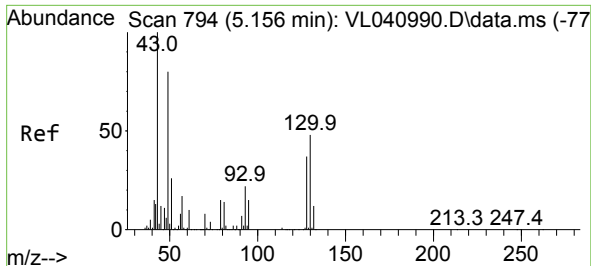
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
SS2RDL

Quant Time: Feb 12 00:44:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Feb 12 00:40:04 2024
Response via : Initial Calibration

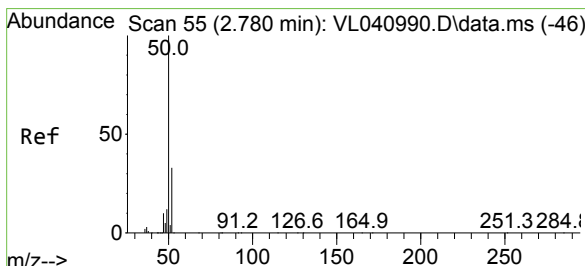
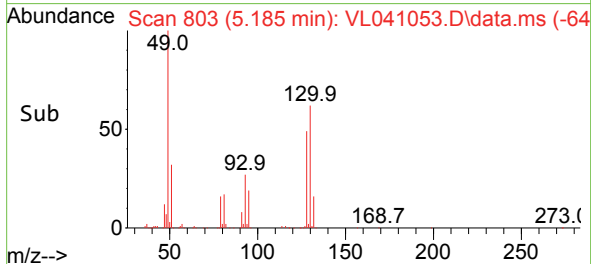
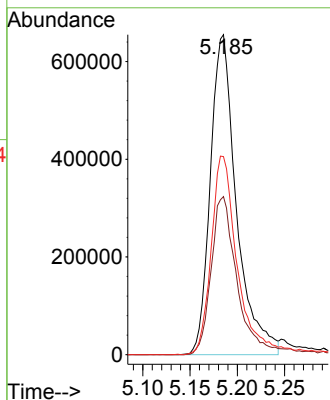
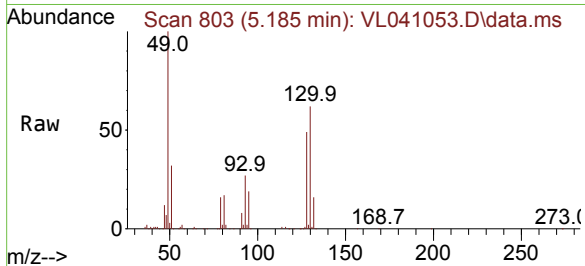




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. 0.009 min
 Lab File: VL041053.D
 Acq: 9 Feb 2024 11:44

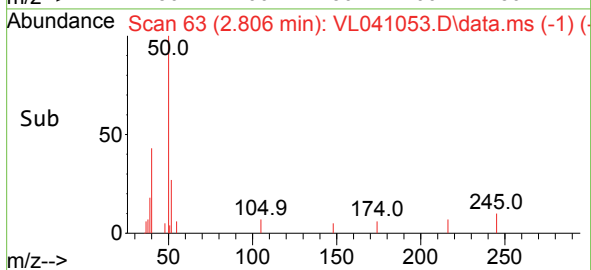
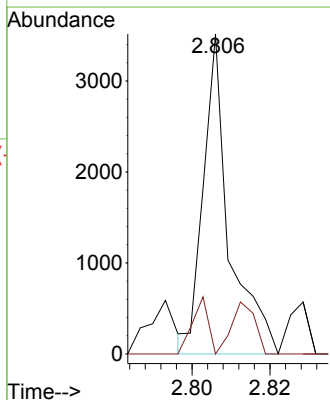
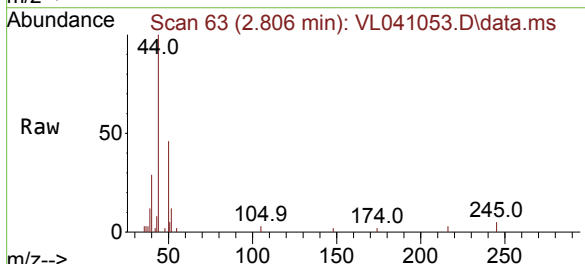
Instrument :
 MSVOA_L
 ClientSampleId :
 SS2RDL

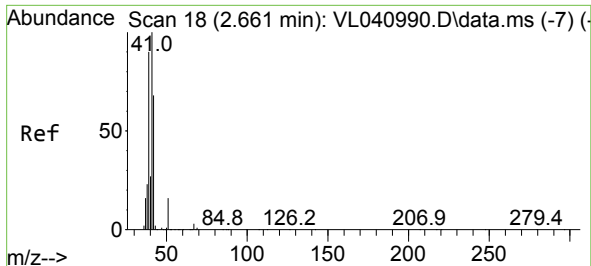
Tgt Ion: 49 Resp: 1258168
 Ion Ratio Lower Upper
 49 100
 128 51.6 23.9 71.7
 130 65.2 31.1 93.5



#4
 Chloromethane
 Concen: 0.020 ppbv
 RT: 2.806 min Scan# 63
 Delta R.T. 0.010 min
 Lab File: VL041053.D
 Acq: 9 Feb 2024 11:44

Tgt Ion: 50 Resp: 1615
 Ion Ratio Lower Upper
 50 100
 52 0.0 26.2 39.4#

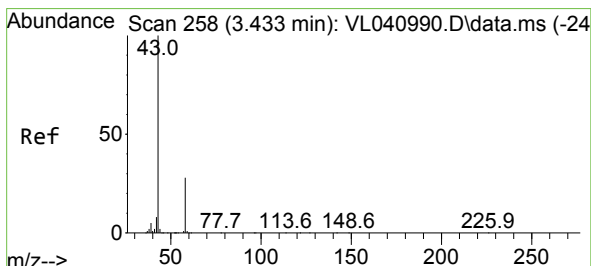
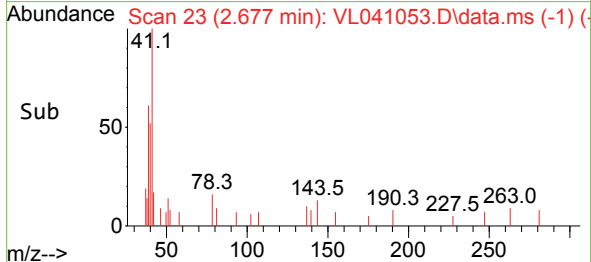
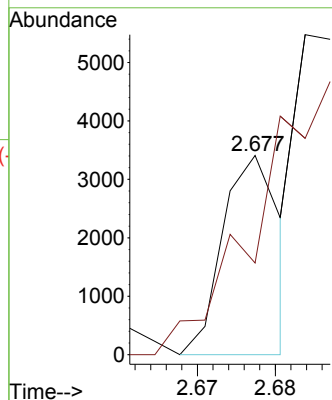
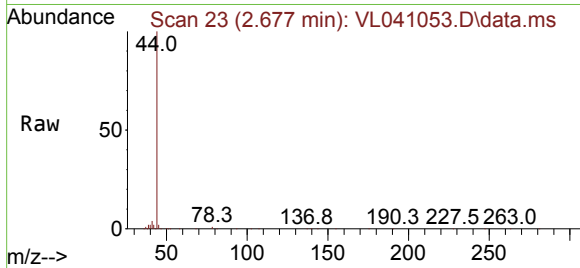




#9
 Propene
 Concen: 0.025 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL041053.D
 Acq: 9 Feb 2024 11:44

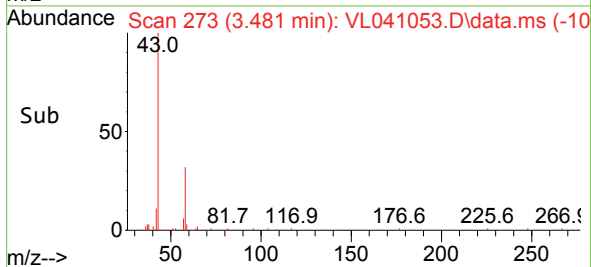
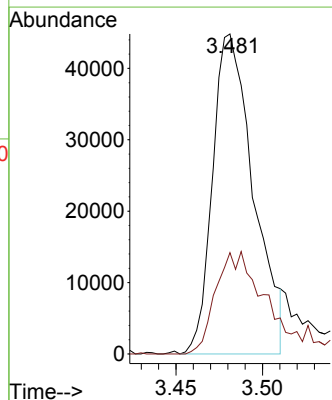
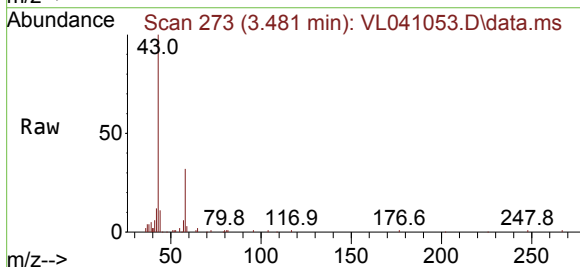
Instrument :
 MSVOA_L
 ClientSampleId :
 SS2RDL

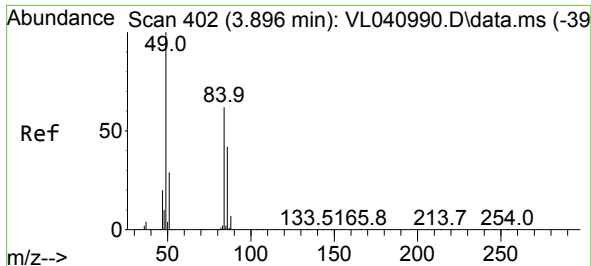
Tgt Ion: 41 Resp: 1745
 Ion Ratio Lower Upper
 41 100
 42 0.0 59.0 88.4#



#15
 Acetone
 Concen: 0.457 ppbv
 RT: 3.481 min Scan# 273
 Delta R.T. 0.029 min
 Lab File: VL041053.D
 Acq: 9 Feb 2024 11:44

Tgt Ion: 43 Resp: 73570
 Ion Ratio Lower Upper
 43 100
 58 41.3 22.2 33.2#

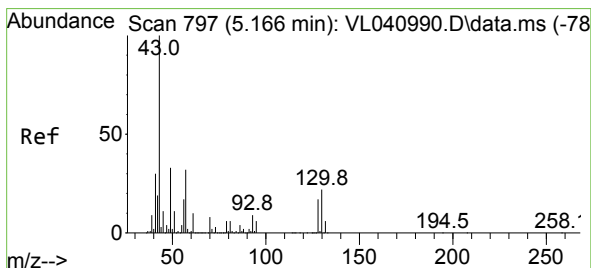
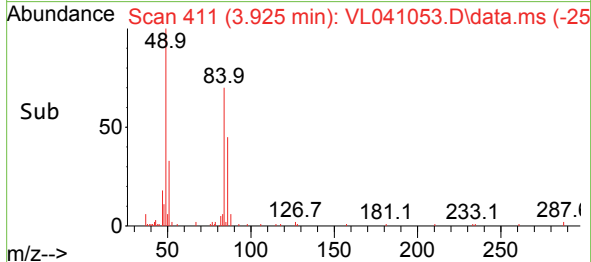
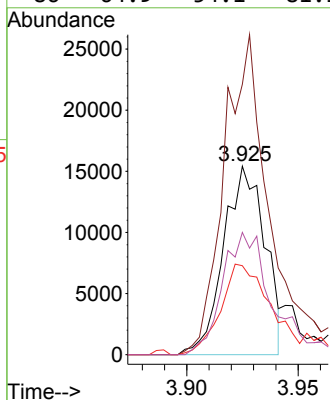
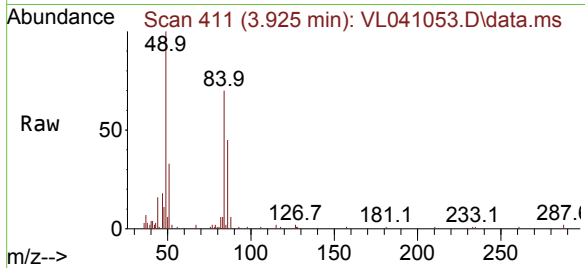




#20
Methylene Chloride
Concen: 0.322 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

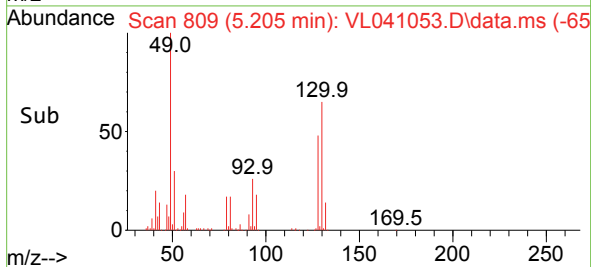
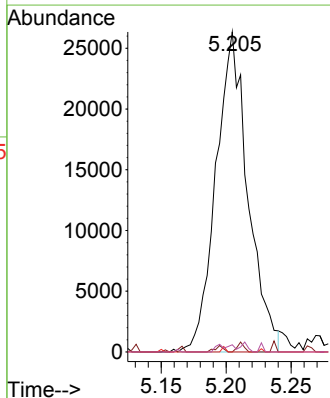
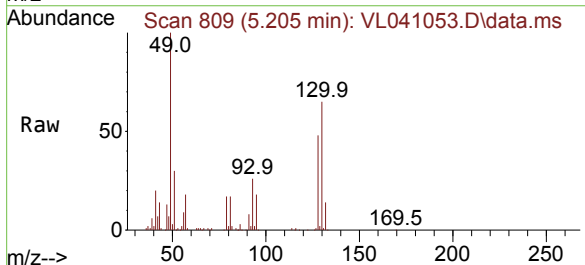
Instrument :
MSVOA_L
ClientSampleId :
SS2RDL

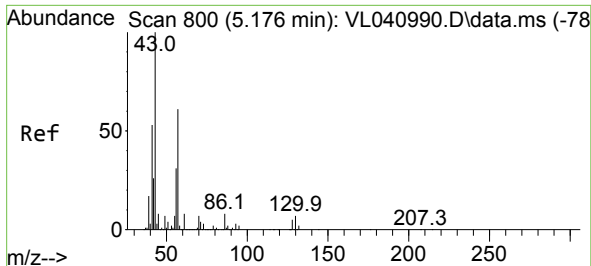
Tgt Ion:	84	Resp:	19930
Ion	Ratio	Lower	Upper
84	100		
49	143.4	128.1	192.1
51	47.2	36.5	54.7
86	64.9	54.1	81.1



#25
Ethyl Acetate
Concen: 0.155 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.013 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

Tgt Ion:	43	Resp:	45175
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.4#
61	0.0	7.9	11.9#
70	2.1	5.4	8.2#

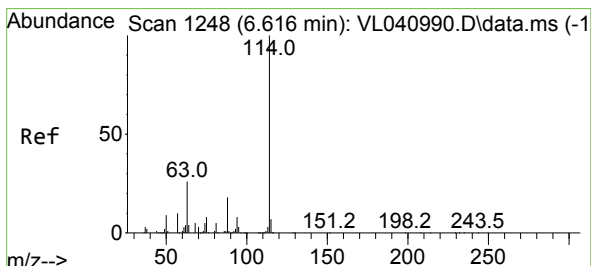
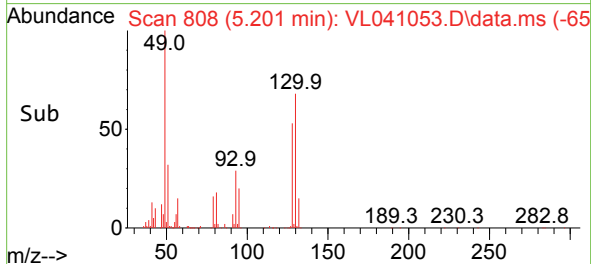
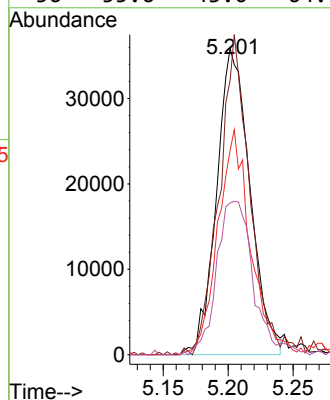
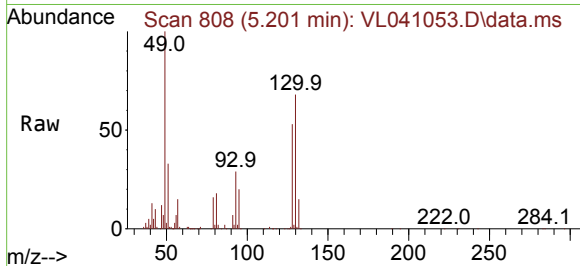




#26
Hexane
Concen: 0.516 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

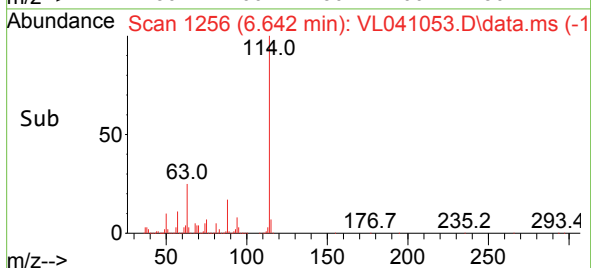
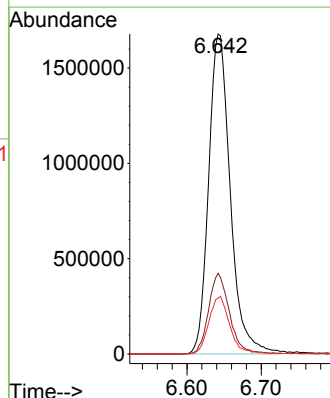
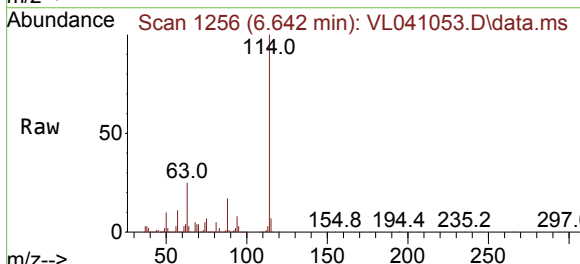
Instrument :
MSVOA_L
ClientSampleId :
SS2RDL

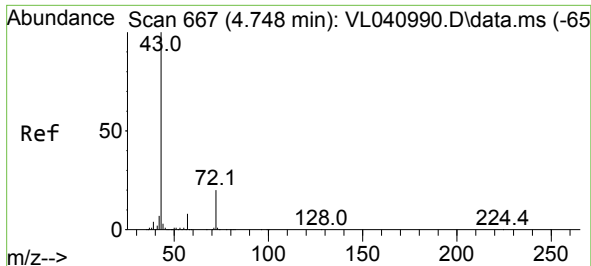
Tgt Ion: 57 Resp: 64186
Ion Ratio Lower Upper
57 100
41 99.0 74.4 111.6
43 74.6 190.6 285.8#
56 55.6 43.0 64.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.000 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

Tgt Ion:114 Resp: 3396094
Ion Ratio Lower Upper
114 100
63 24.6 20.8 31.2
88 17.5 14.3 21.5

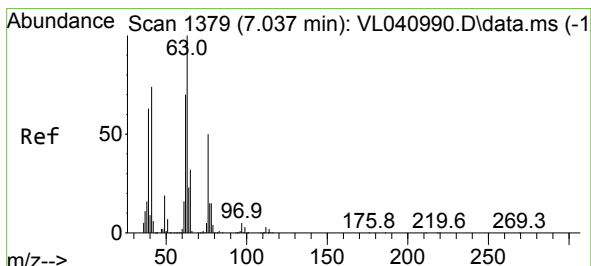
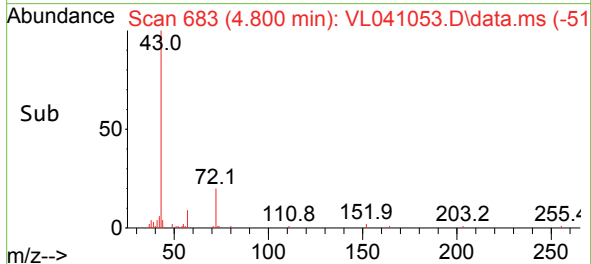
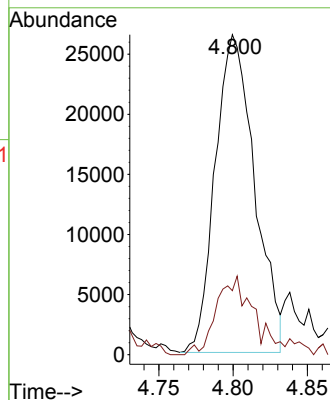
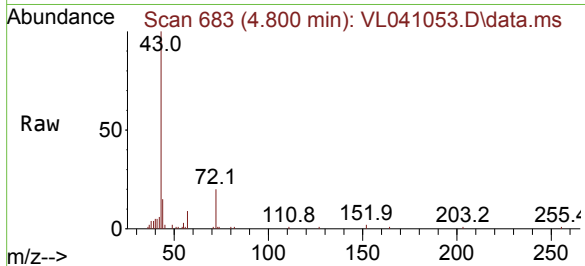




#34
2-Butanone
Concen: 0.302 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

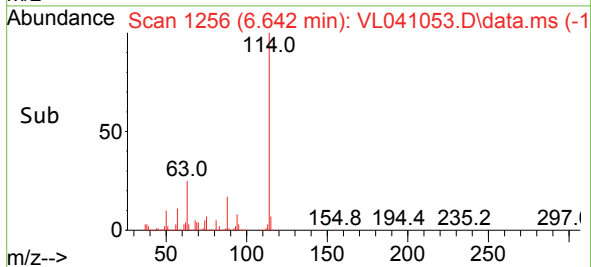
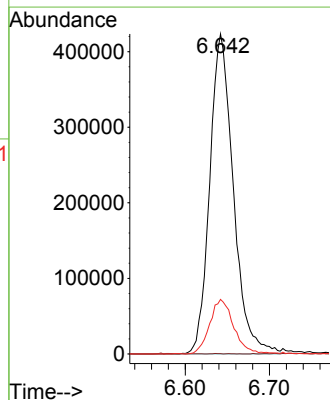
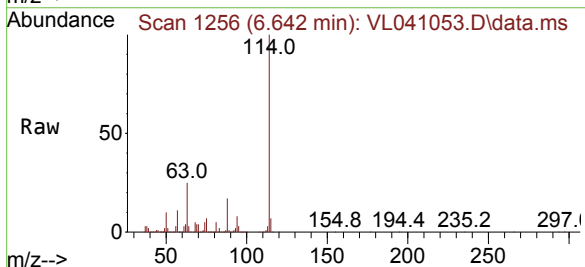
Instrument :
MSVOA_L
ClientSampleId :
SS2RDL

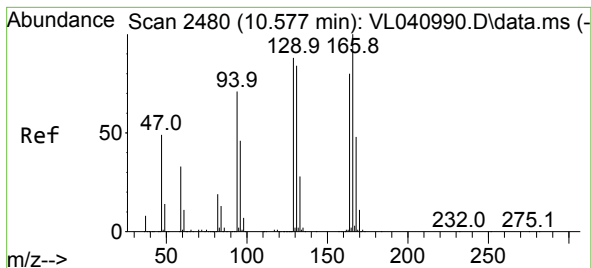
Tgt Ion: 43 Resp: 48834
Ion Ratio Lower Upper
43 100
72 22.7 17.5 26.3



#39
1,2-Dichloropropane
Concen: 7.454 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.415 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

Tgt Ion: 63 Resp: 823618
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 16.9 55.6 83.4#





#52

Tetrachloroethene

Concen: 2.583 ppbv

RT: 10.606 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VL041053.D

Acq: 9 Feb 2024 11:44

Instrument :

MSVOA_L

ClientSampleId :

SS2RDL

Tgt Ion:164 Resp: 240618

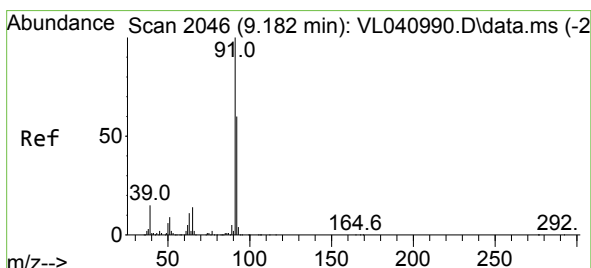
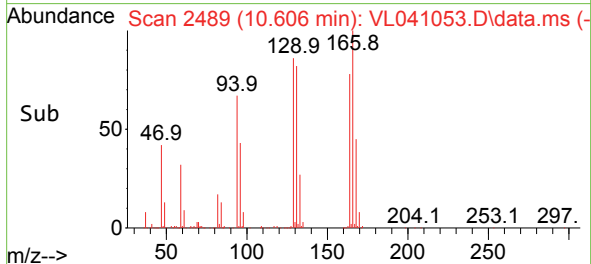
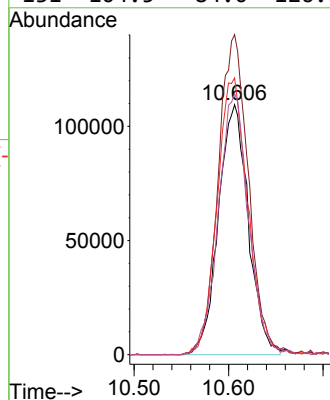
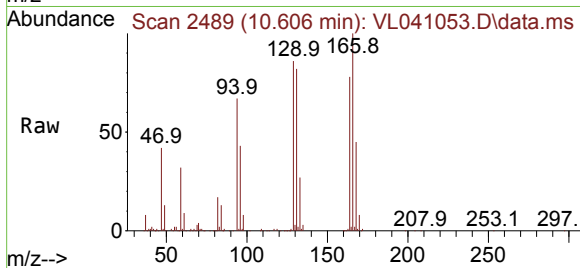
Ion Ratio Lower Upper

164 100

166 128.1 100.2 150.2

129 110.7 87.9 131.9

131 104.5 84.0 126.0



#53

Toluene

Concen: 0.063 ppbv

RT: 9.204 min Scan# 2053

Delta R.T. -0.003 min

Lab File: VL041053.D

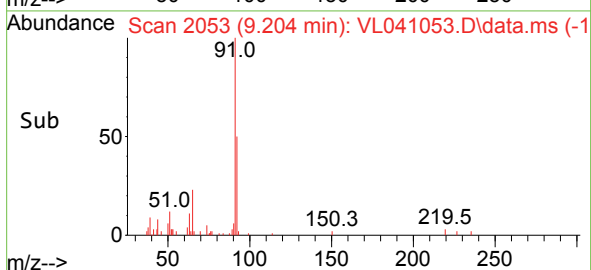
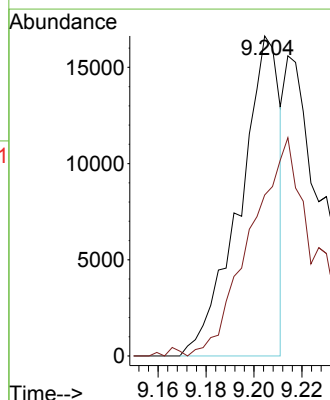
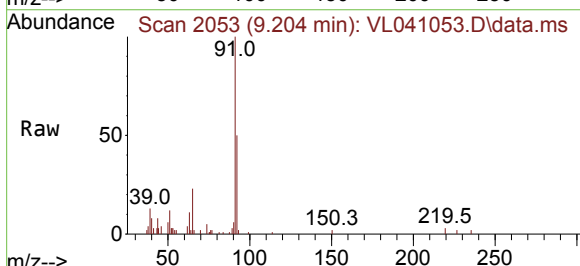
Acq: 9 Feb 2024 11:44

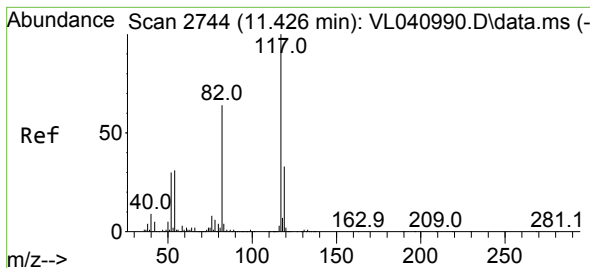
Tgt Ion: 91 Resp: 19350

Ion Ratio Lower Upper

91 100

92 0.0 48.6 72.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041053.D

Acq: 9 Feb 2024 11:44

Instrument :

MSVOA_L

ClientSampleId :

SS2RDL

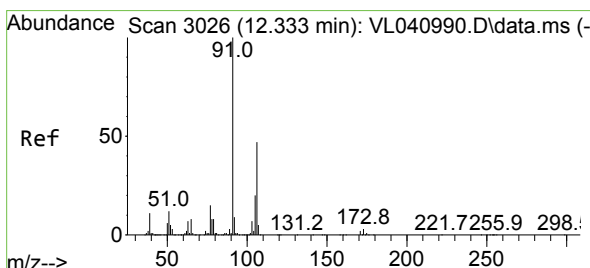
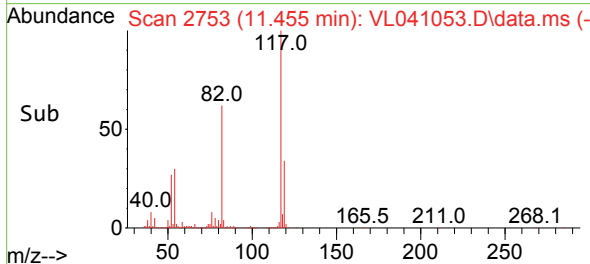
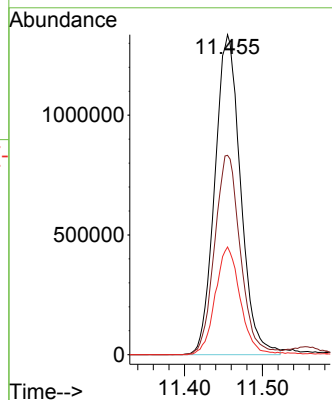
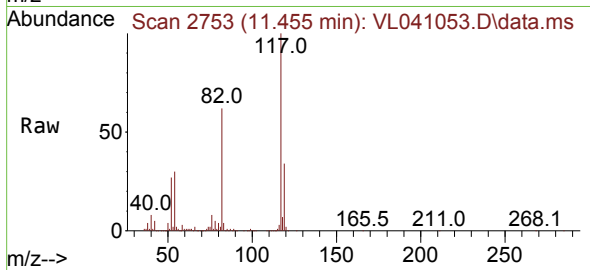
Tgt Ion:117 Resp: 3067143

Ion Ratio Lower Upper

117 100

82 62.9 51.7 77.5

119 33.1 23.8 35.6



#59

m/p-Xylene

Concen: 0.053 ppbv

RT: 12.352 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VL041053.D

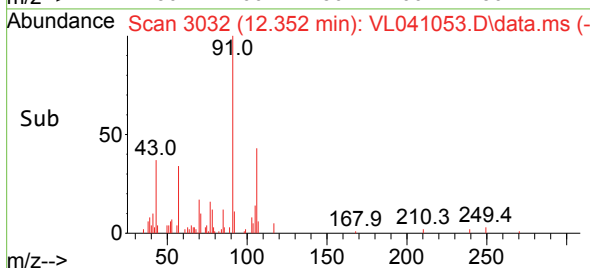
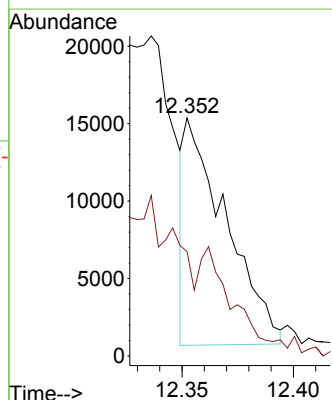
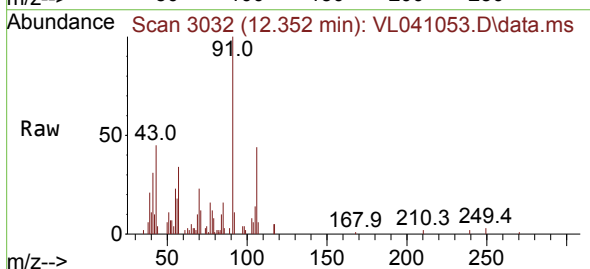
Acq: 9 Feb 2024 11:44

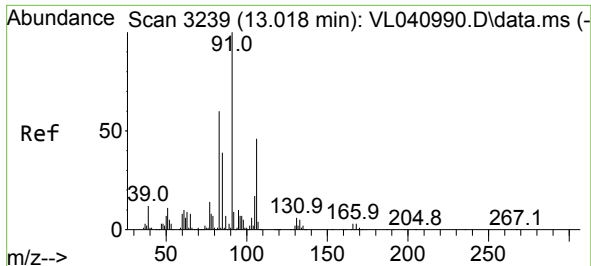
Tgt Ion: 91 Resp: 19044

Ion Ratio Lower Upper

91 100

106 0.0 34.9 52.3#

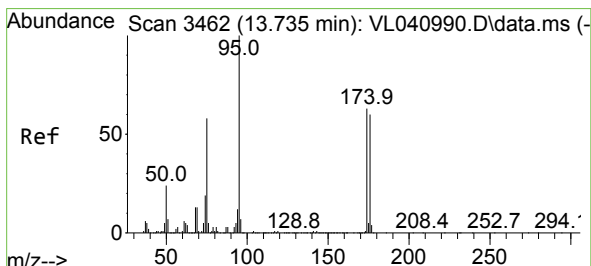
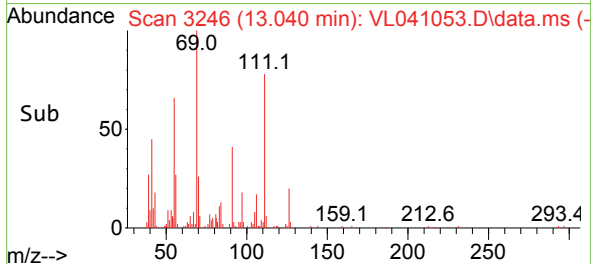
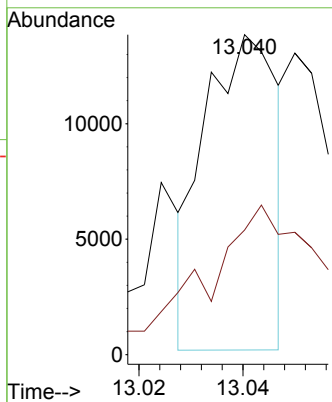
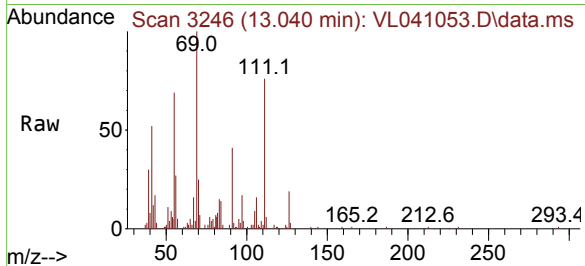




#60
o-Xylene
Concen: 0.038 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

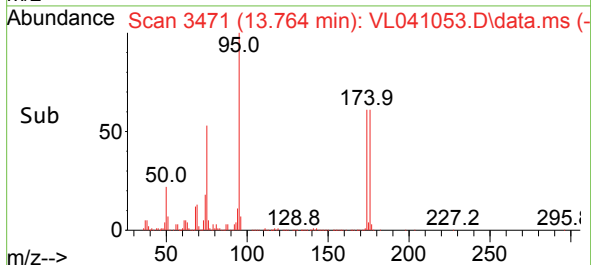
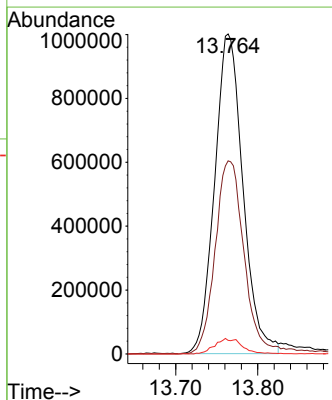
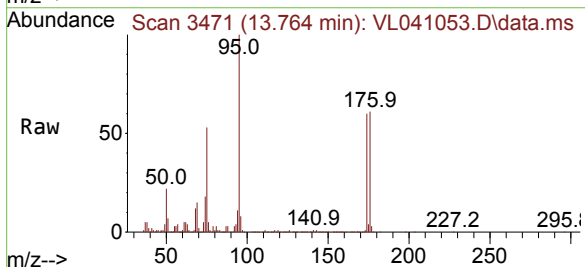
Instrument :
MSVOA_L
ClientSampleId :
SS2RDL

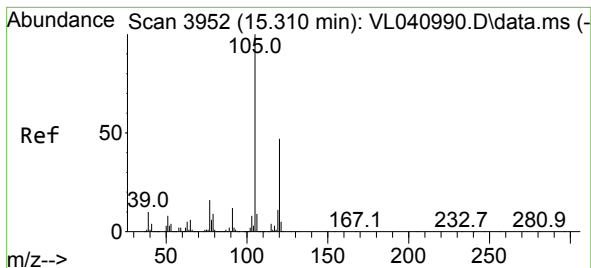
Tgt Ion: 91 Resp: 13215
Ion Ratio Lower Upper
91 100
106 102.8 22.6 67.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.349 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.003 min
Lab File: VL041053.D
Acq: 9 Feb 2024 11:44

Tgt Ion: 95 Resp: 2397528
Ion Ratio Lower Upper
95 100
174 64.0 49.1 73.7
175 4.8 3.7 5.5





#73

1,3,5-Trimethylbenzene

Concen: 0.023 ppbv

RT: 15.342 min Scan# 3952

Delta R.T. 0.006 min

Lab File: VL041053.D

Acq: 9 Feb 2024 11:44

Instrument :

MSVOA_L

ClientSampleId :

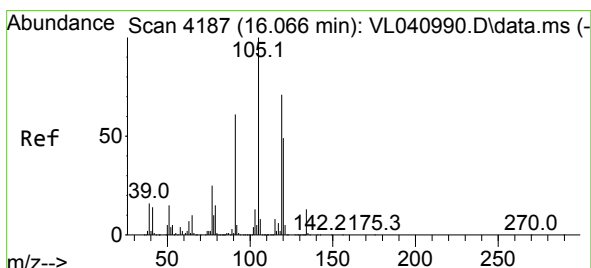
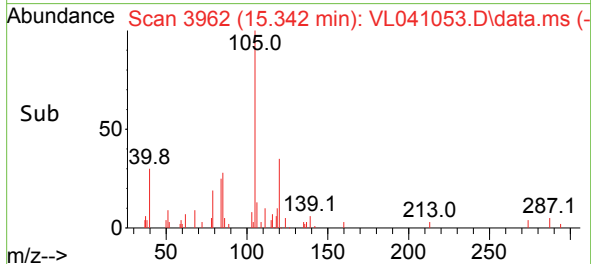
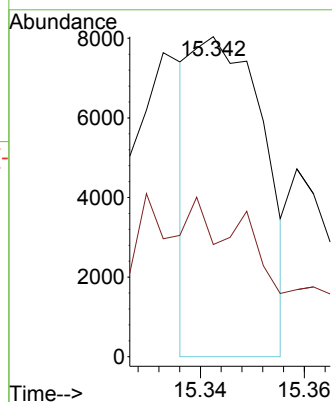
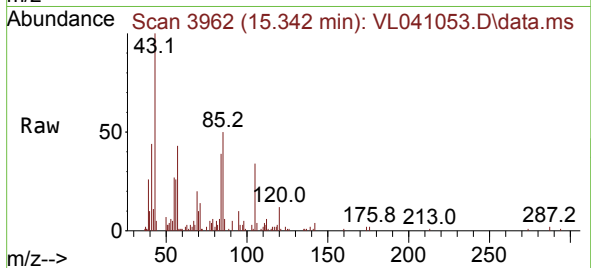
SS2RDL

Tgt Ion:105 Resp: 7712

Ion Ratio Lower Upper

105 100

120 31.6 37.2 55.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.079 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.000 min

Lab File: VL041053.D

Acq: 9 Feb 2024 11:44

Tgt Ion:105 Resp: 30579

Ion Ratio Lower Upper

105 100

120 35.0 39.3 58.9#

91 18.1 48.7 73.1#

77 18.5 19.8 29.8#

