

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041318.D
 Acq On : 5 Jun 2024 00:35
 Operator : SY/MD
 Sample : P2682-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jun 05 05:32:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

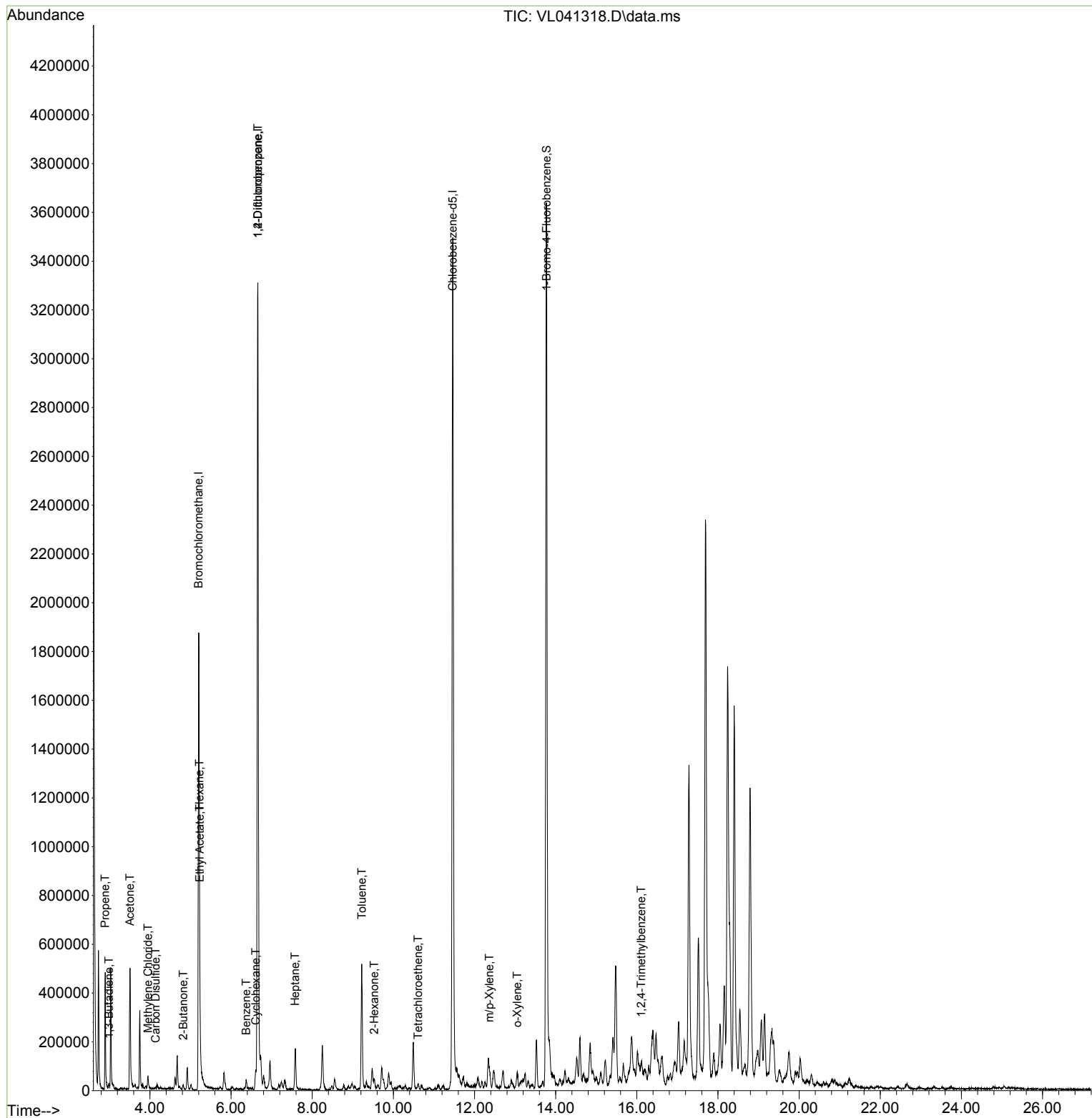
Internal Standards						
1) Bromochloromethane	5.201	49	969077	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2539043	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2320552	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1825524	10.189	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
					Qvalue	
9) Propene	2.896	41	133716	2.451	ppbv	98
10) Heptane	7.577	43	38905	0.301	ppbv #	28
15) Acetone	3.507	43	331252	2.994	ppbv #	86
16) 1,3-Butadiene	2.989	39	5415	0.097	ppbv #	25
20) Methylene Chloride	3.954	84	14134	0.351	ppbv #	81
25) Ethyl Acetate	5.227	43	78453	0.358	ppbv #	77
26) Hexane	5.221	57	106758	1.085	ppbv #	41
27) Carbon Disulfide	4.140	76	7602	0.070	ppbv #	43
30) Cyclohexane	6.606	84	14430	0.181	ppbv #	31
34) 2-Butanone	4.822	43	22610	0.186	ppbv	93
36) Benzene	6.375	78	28379	0.144	ppbv #	95
39) 1,2-Dichloropropane	6.658	63	640407	8.172	ppbv #	25
51) 2-Hexanone	9.529	43	18277	0.128	ppbv #	33
52) Tetrachloroethene	10.613	164	2379	0.033	ppbv #	51
53) Toluene	9.220	91	392351	1.733	ppbv	100
59) m/p-Xylene	12.362	91	37585	0.147	ppbv #	31
60) o-Xylene	13.053	91	46952	0.193	ppbv	96
74) 1,2,4-Trimethylbenzene	16.111	105	12111	0.044	ppbv #	65

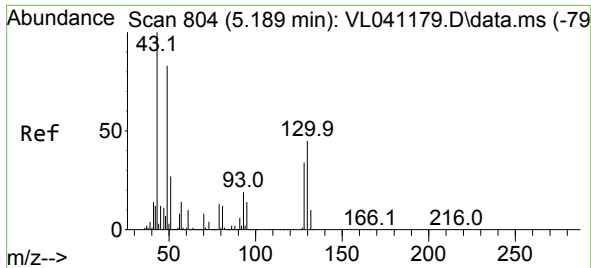
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
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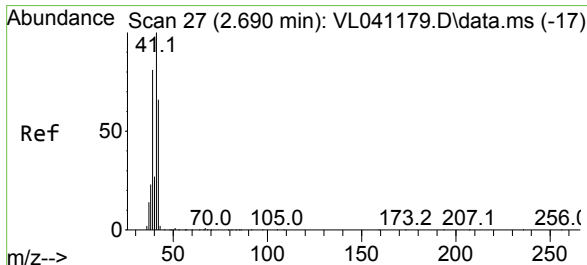
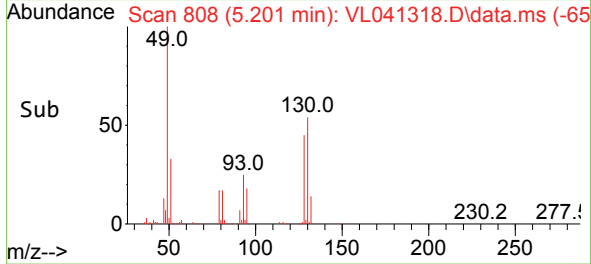
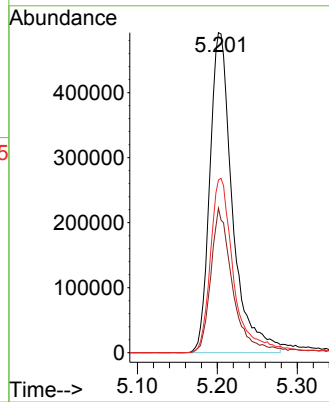
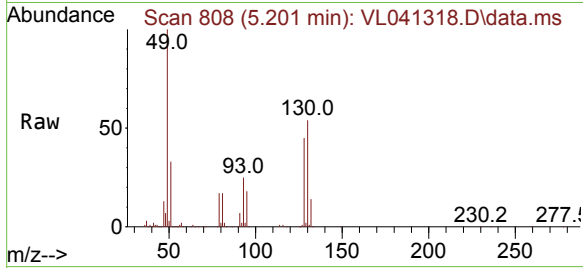




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

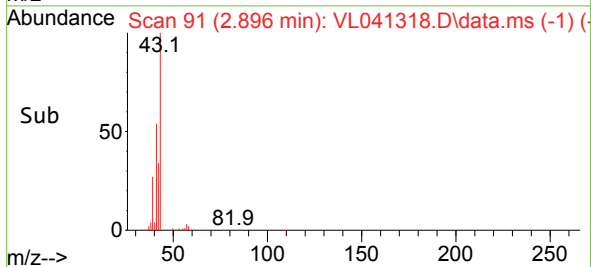
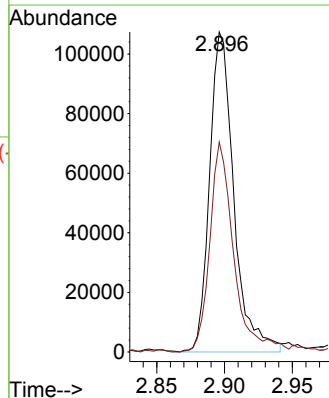
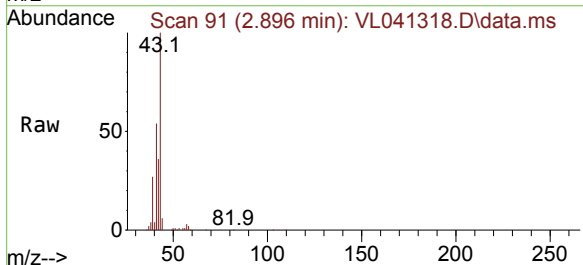
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

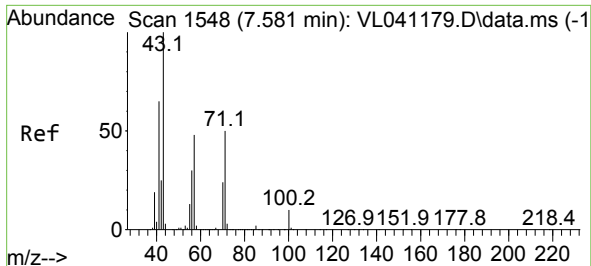
Tgt Ion: 49 Resp: 969077
Ion Ratio Lower Upper
49 100
128 45.2 22.8 68.3
130 58.0 28.4 85.3



#9
Propene
Concen: 2.451 ppbv
RT: 2.896 min Scan# 91
Delta R.T. 0.174 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

Tgt Ion: 41 Resp: 133716
Ion Ratio Lower Upper
41 100
42 67.5 55.2 82.8

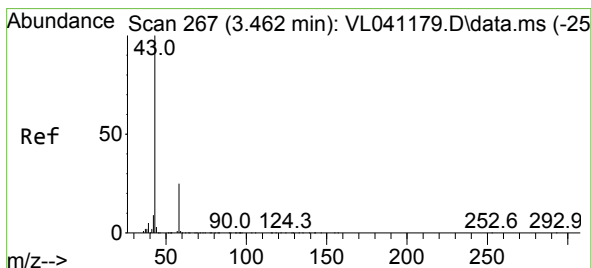
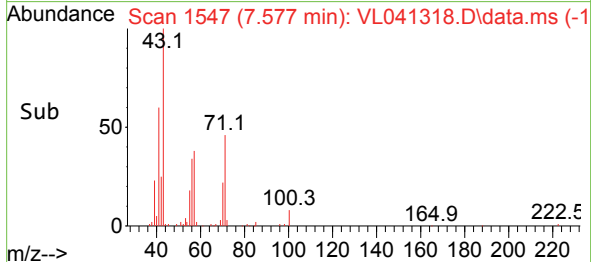
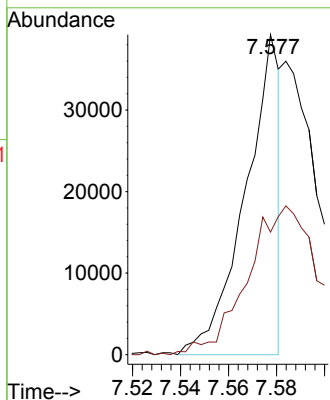
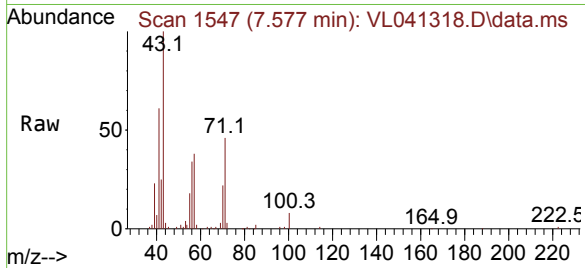




#10
Heptane
Concen: 0.301 ppbv
RT: 7.577 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

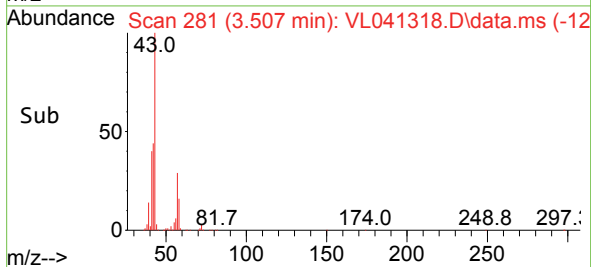
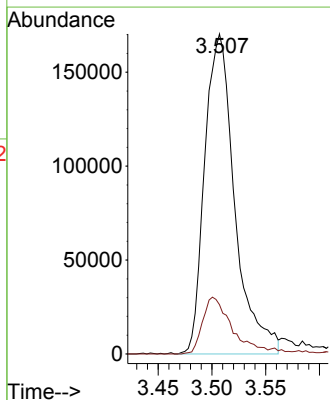
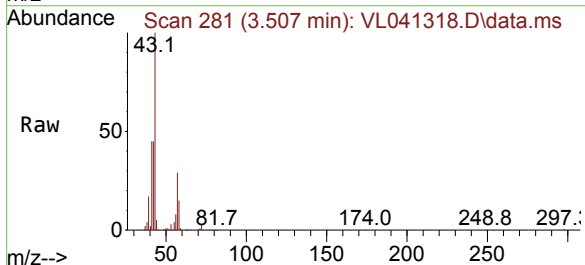
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

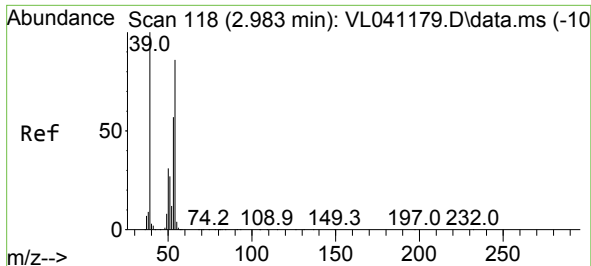
Tgt Ion: 43 Resp: 38905
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.4#



#15
Acetone
Concen: 2.994 ppbv
RT: 3.507 min Scan# 281
Delta R.T. 0.019 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

Tgt Ion: 43 Resp: 331252
Ion Ratio Lower Upper
43 100
58 18.9 20.6 31.0#

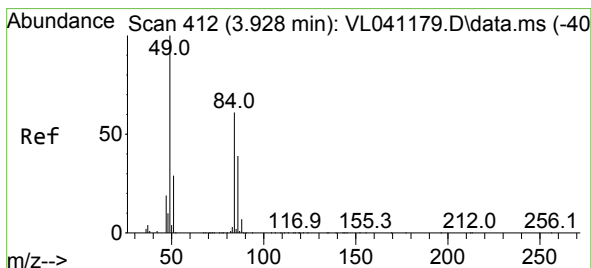
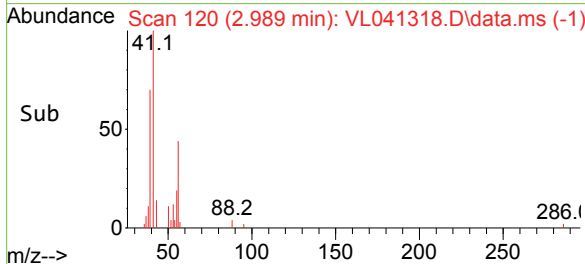
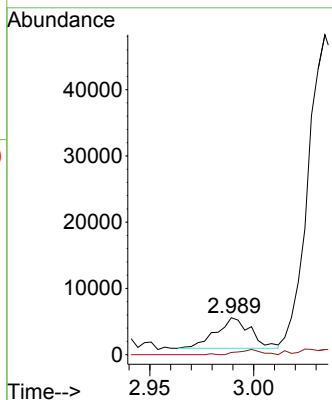
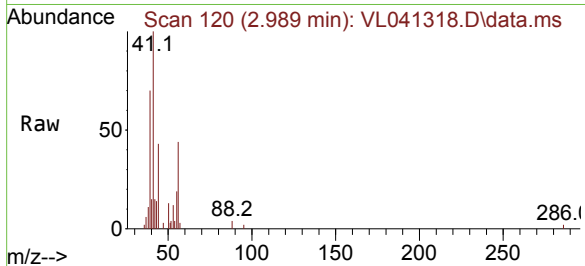




#16
1,3-Butadiene
Concen: 0.097 ppbv
RT: 2.989 min Scan# 118
Delta R.T. -0.019 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

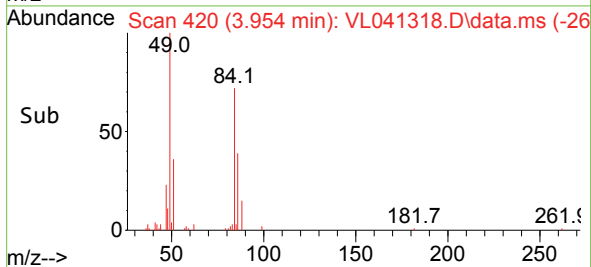
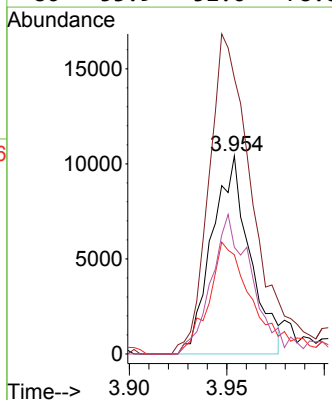
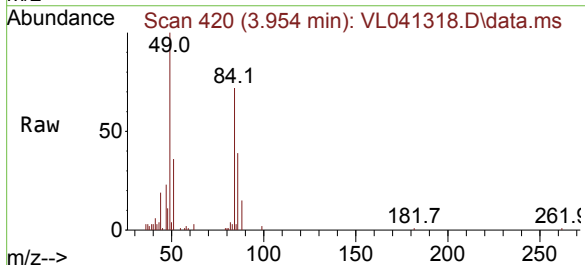
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

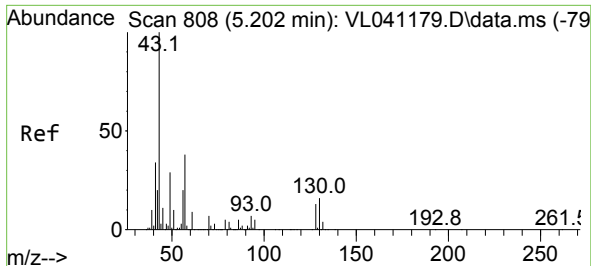
Tgt Ion: 39 Resp: 5415
Ion Ratio Lower Upper
39 100
54 11.3 60.5 90.7#



#20
Methylene Chloride
Concen: 0.351 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.003 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

Tgt Ion: 84 Resp: 14134
Ion Ratio Lower Upper
84 100
49 134.7 136.2 204.2#
51 50.1 41.9 62.9
86 53.9 52.6 78.8

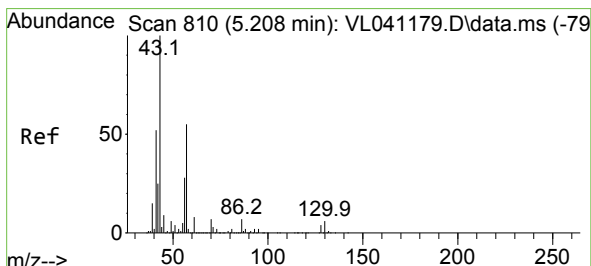
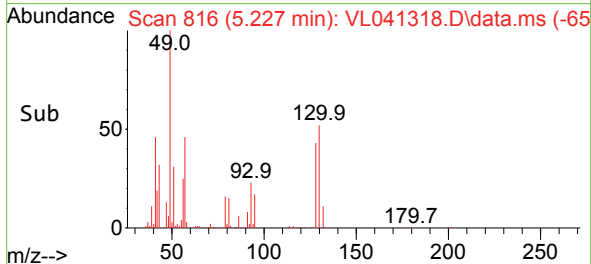
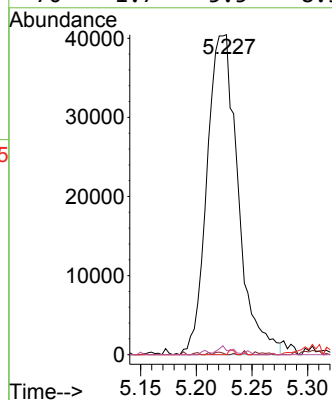
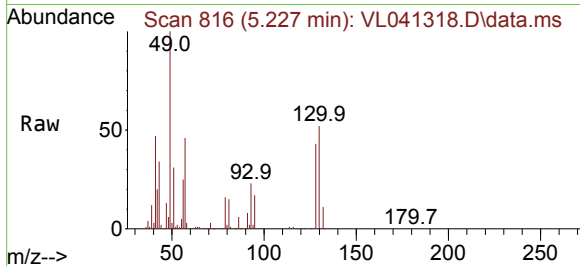




#25
Ethyl Acetate
Concen: 0.358 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.013 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

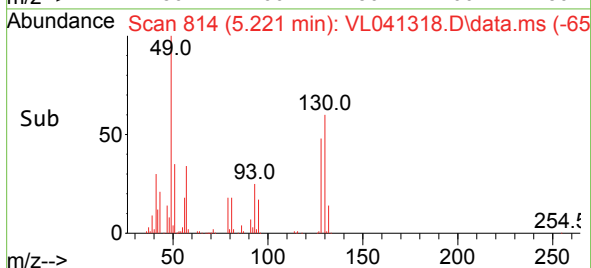
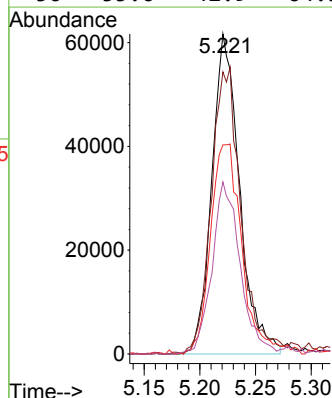
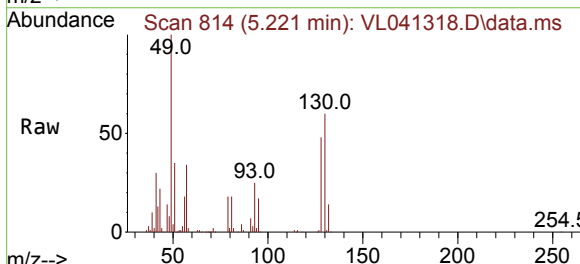
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

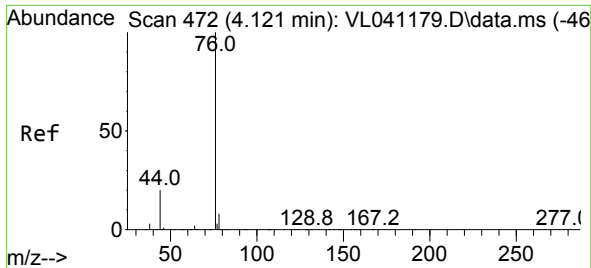
Tgt Ion: 43 Resp: 78453
Ion Ratio Lower Upper
43 100
45 0.3 8.1 12.1#
61 0.3 7.4 11.0#
70 1.7 5.5 8.3#



#26
Hexane
Concen: 1.085 ppbv
RT: 5.221 min Scan# 814
Delta R.T. -0.000 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

Tgt Ion: 57 Resp: 106758
Ion Ratio Lower Upper
57 100
41 98.9 77.1 115.7
43 74.4 186.1 279.1#
56 55.6 42.9 64.3





#27

Carbon Disulfide

Concen: 0.070 ppbv

RT: 4.140 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

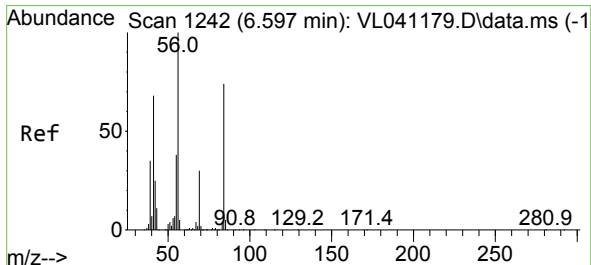
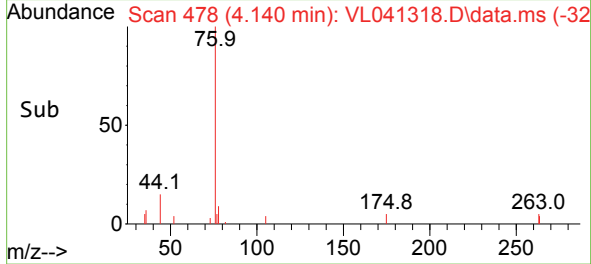
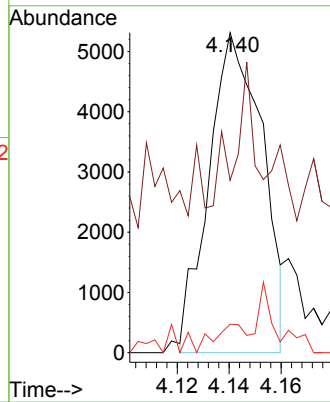
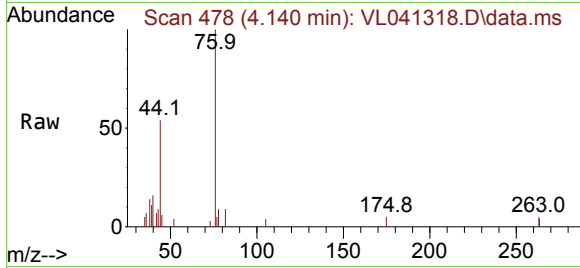
Tgt Ion: 76 Resp: 7602

Ion Ratio Lower Upper

76 100

44 57.7 17.7 26.5#

78 16.5 7.8 11.6#



#30

Cyclohexane

Concen: 0.181 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

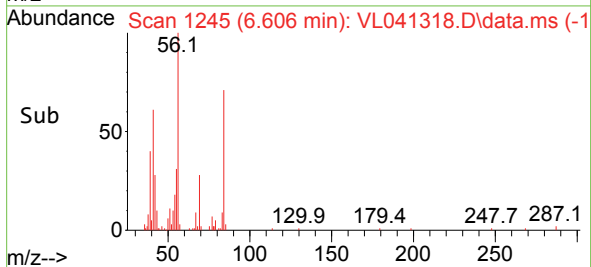
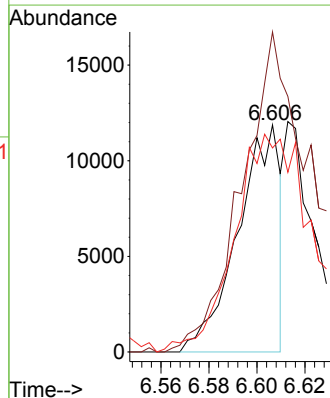
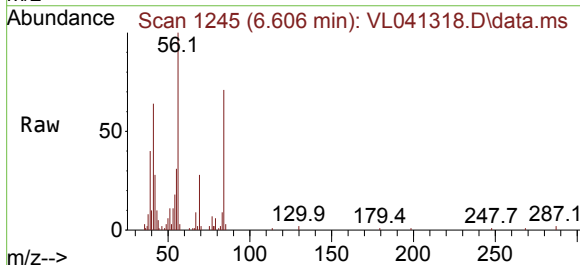
Tgt Ion: 84 Resp: 14430

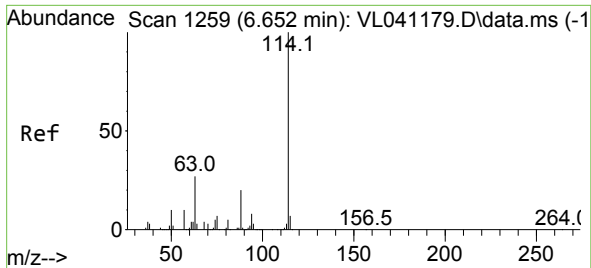
Ion Ratio Lower Upper

84 100

56 201.3 114.9 172.3#

41 191.5 74.4 111.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

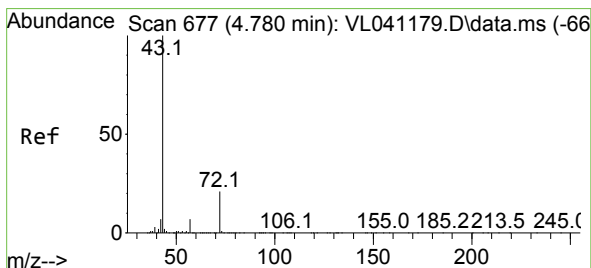
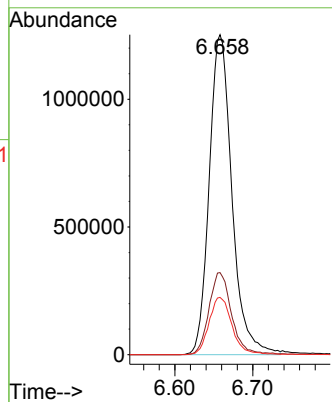
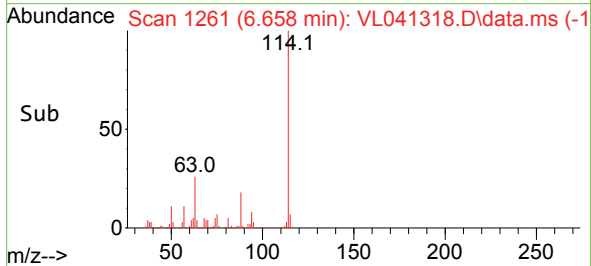
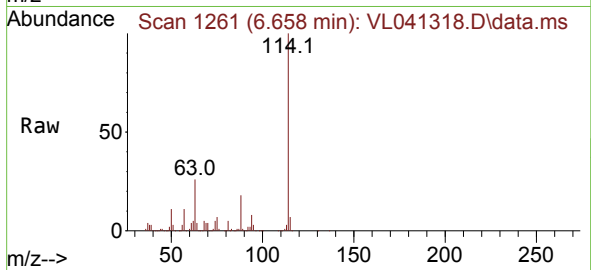
Tgt Ion:114 Resp: 2539043

Ion Ratio Lower Upper

114 100

63 25.8 20.6 30.8

88 18.3 14.5 21.7



#34

2-Butanone

Concen: 0.186 ppbv

RT: 4.822 min Scan# 690

Delta R.T. 0.026 min

Lab File: VL041318.D

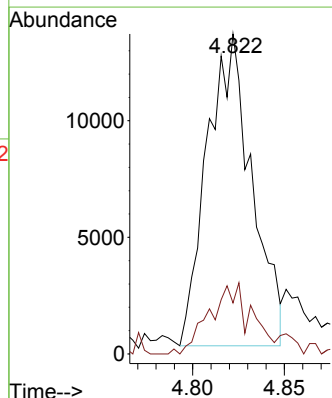
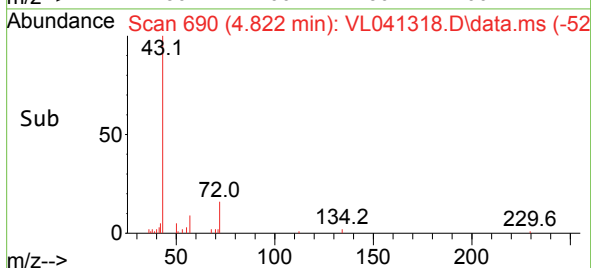
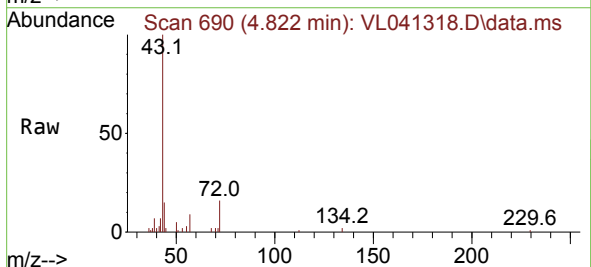
Acq: 5 Jun 2024 00:35

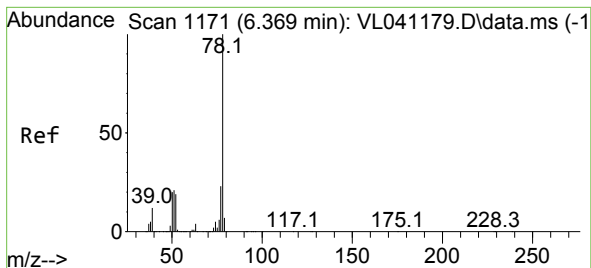
Tgt Ion: 43 Resp: 22610

Ion Ratio Lower Upper

43 100

72 25.2 17.4 26.0





#36

Benzene

Concen: 0.144 ppbv

RT: 6.375 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

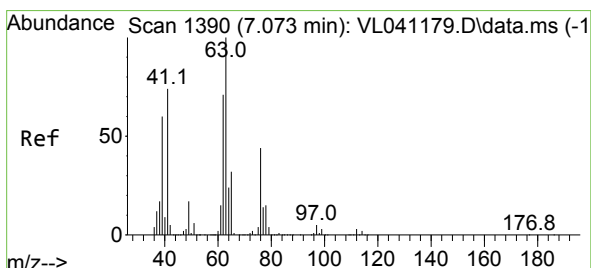
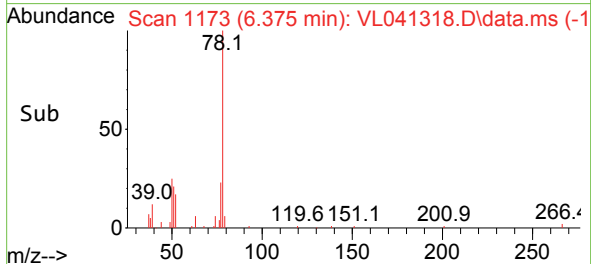
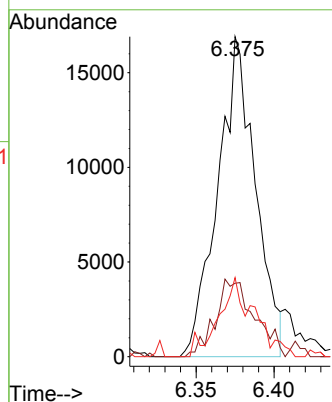
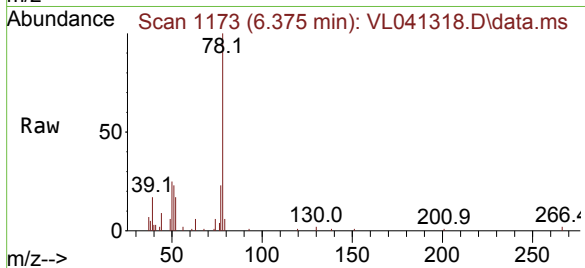
Tgt Ion: 78 Resp: 28379

Ion Ratio Lower Upper

78 100

77 23.0 18.6 28.0

50 24.7 16.0 24.0#



#39

1,2-Dichloropropane

Concen: 8.172 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.421 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

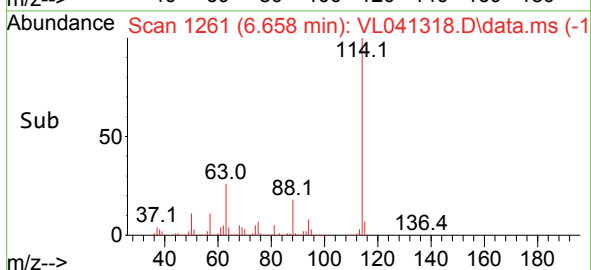
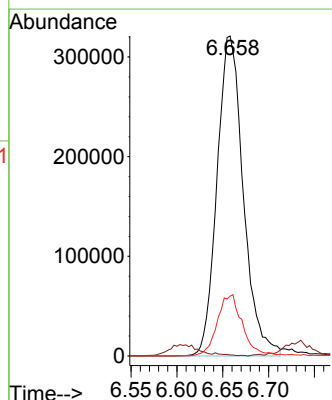
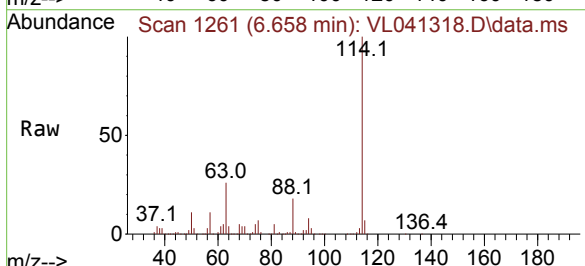
Tgt Ion: 63 Resp: 640407

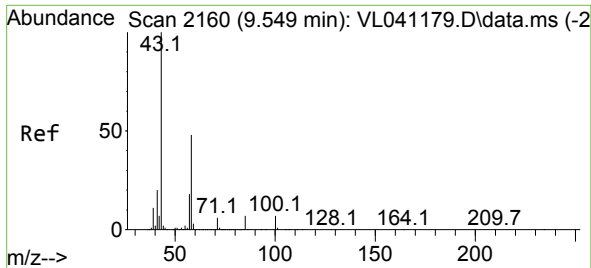
Ion Ratio Lower Upper

63 100

41 0.0 59.9 89.9#

62 18.6 53.8 80.6#

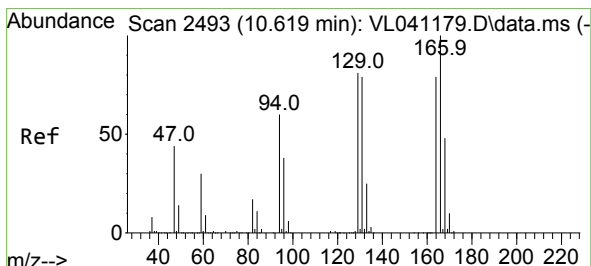
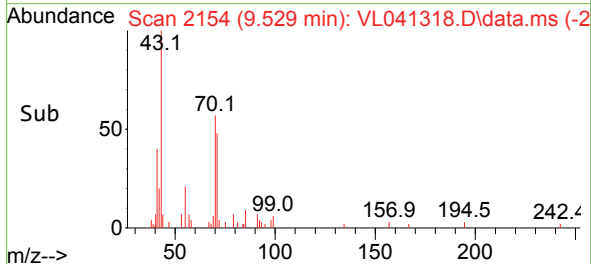
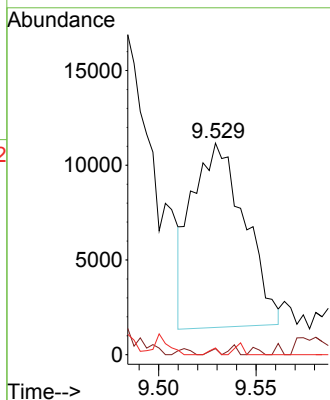
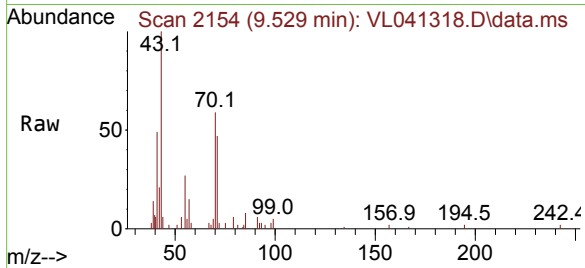




#51
2-Hexanone
Concen: 0.128 ppbv
RT: 9.529 min Scan# 2160
Delta R.T. -0.019 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

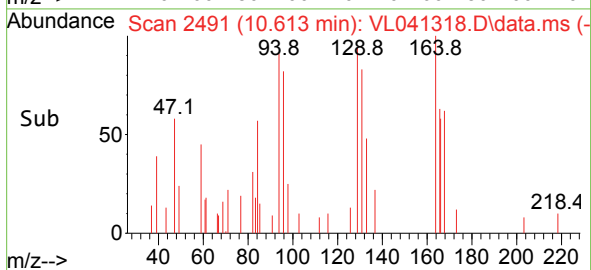
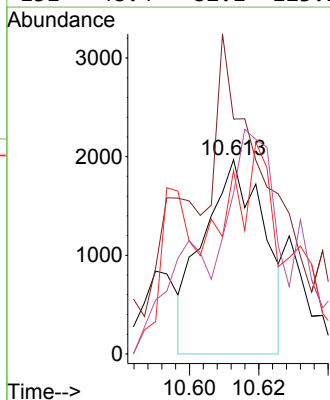
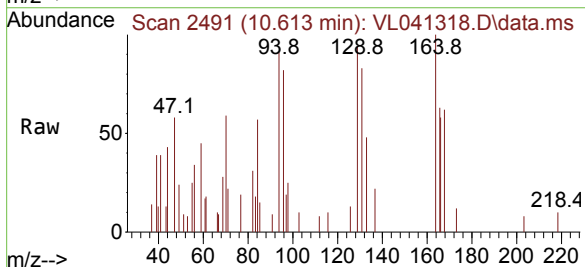
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

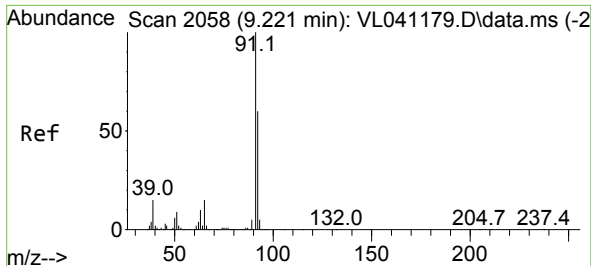
Tgt Ion: 43 Resp: 18277
Ion Ratio Lower Upper
43 100
58 1.9 37.4 56.0#
98 1.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.033 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.000 min
Lab File: VL041318.D
Acq: 5 Jun 2024 00:35

Tgt Ion: 164 Resp: 2379
Ion Ratio Lower Upper
164 100
166 58.4 99.4 149.0#
129 71.0 85.4 128.2#
131 48.4 82.1 123.1#





#53

Toluene

Concen: 1.733 ppbv

RT: 9.220 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

Instrument :

MSVOA_L

ClientSampleId :

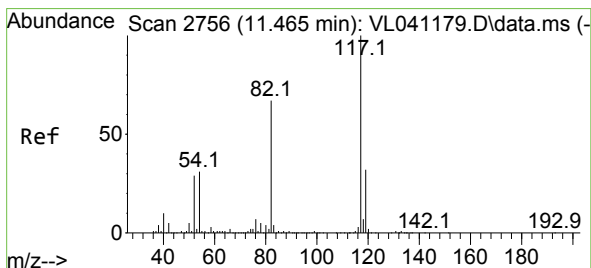
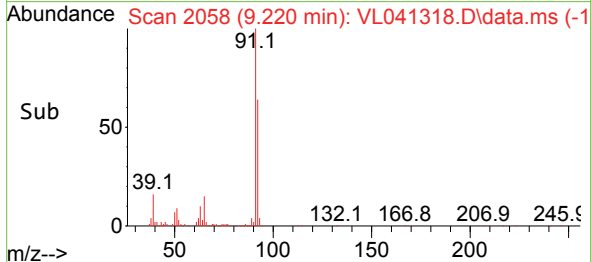
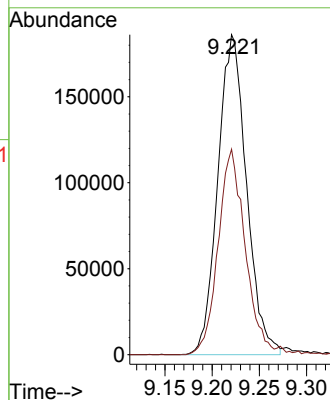
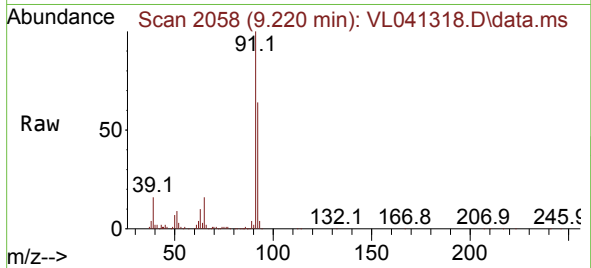
SV1DL

Tgt Ion: 91 Resp: 392351

Ion Ratio Lower Upper

91 100

92 61.7 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

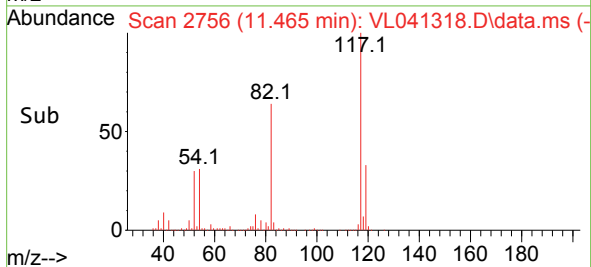
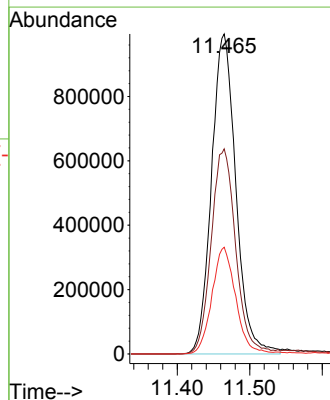
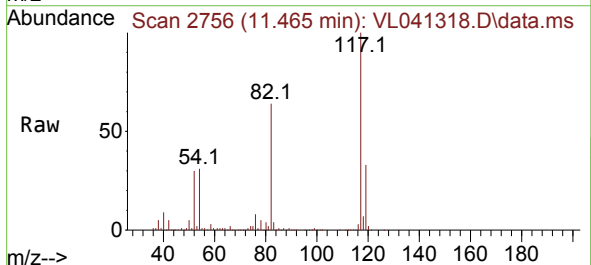
Tgt Ion: 117 Resp: 2320552

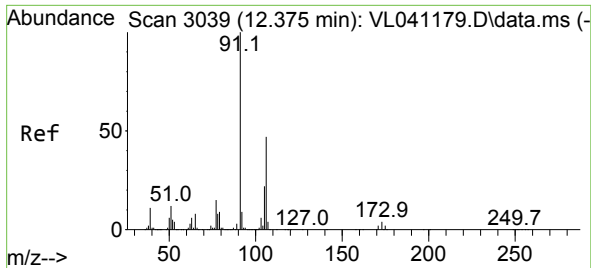
Ion Ratio Lower Upper

117 100

82 67.0 52.3 78.5

119 32.9 26.2 39.2





#59

m/p-Xylene

Concen: 0.147 ppbv

RT: 12.362 min Scan# 3035

Delta R.T. -0.003 min

Lab File: VL041318.D

Acq: 5 Jun 2024 00:35

Instrument :

MSVOA_L

ClientSampleId :

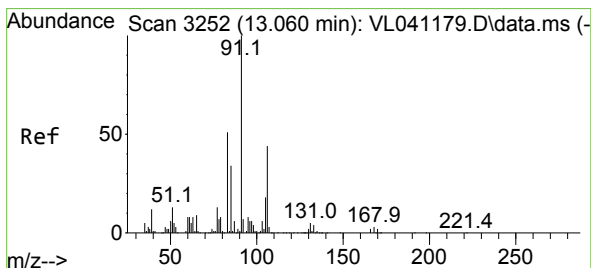
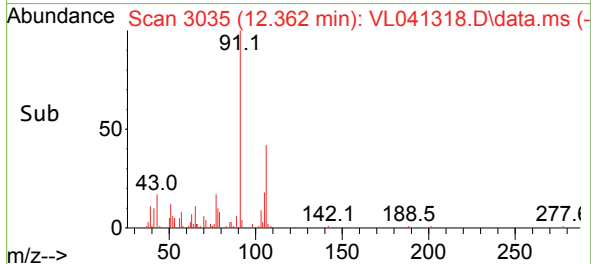
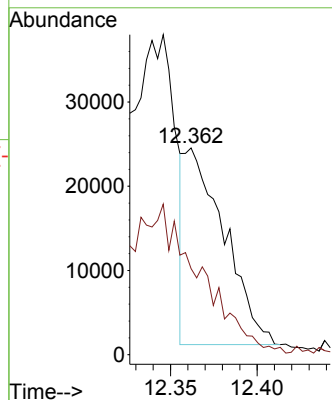
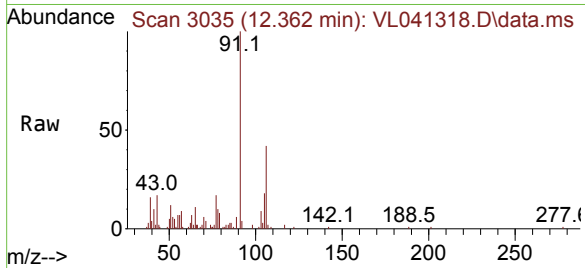
SV1DL

Tgt Ion: 91 Resp: 37585

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#



#60

o-Xylene

Concen: 0.193 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VL041318.D

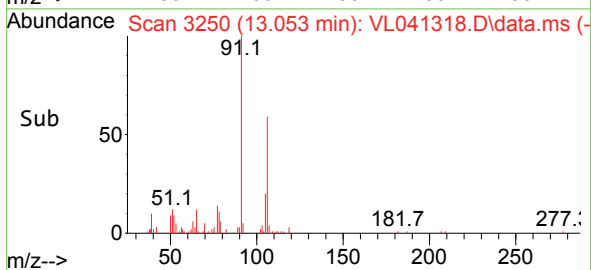
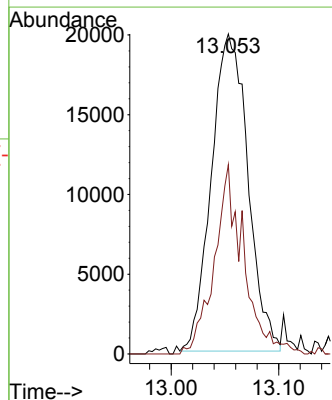
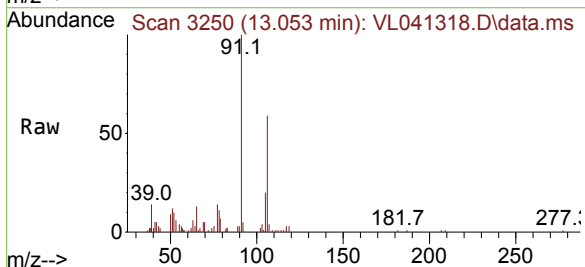
Acq: 5 Jun 2024 00:35

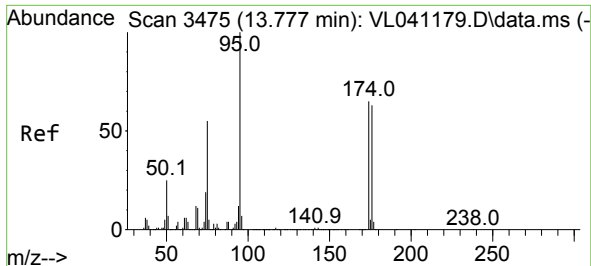
Tgt Ion: 91 Resp: 46952

Ion Ratio Lower Upper

91 100

106 47.9 22.8 68.4

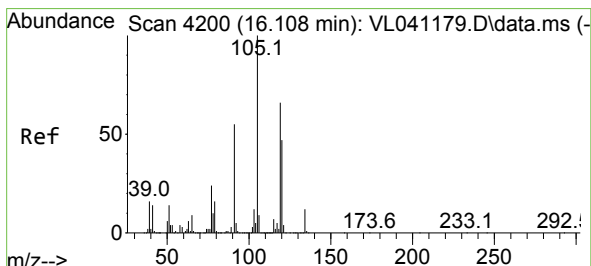
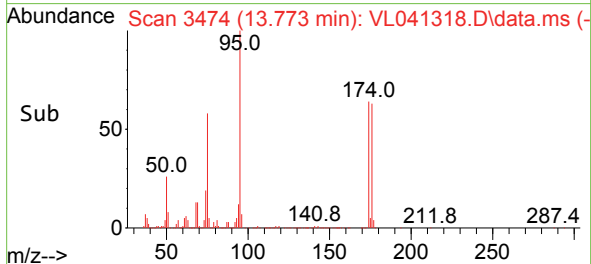
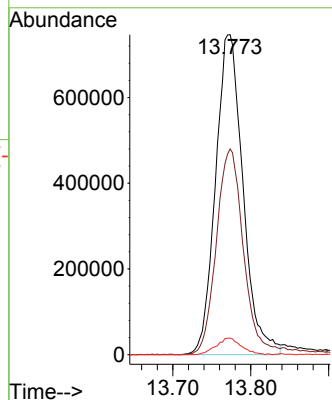
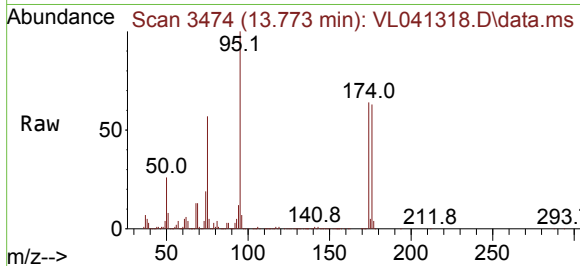




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.189 ppbv
 RT: 13.773 min Scan# 3475
 Delta R.T. 0.003 min
 Lab File: VL041318.D
 Acq: 5 Jun 2024 00:35

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 1825524
 Ion Ratio Lower Upper
 95 100
 174 66.4 52.2 78.2
 175 4.9 4.1 6.1



#74
 1,2,4-Trimethylbenzene
 Concen: 0.044 ppbv
 RT: 16.111 min Scan# 4201
 Delta R.T. 0.006 min
 Lab File: VL041318.D
 Acq: 5 Jun 2024 00:35

Tgt Ion: 105 Resp: 12111
 Ion Ratio Lower Upper
 105 100
 120 38.5 37.0 55.6
 91 4.5 36.2 54.4#
 77 6.9 16.6 24.8#

