

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
 Data File : VL040053.D
 Acq On : 20 Dec 2022 12:41
 Operator : SY/MD
 Sample : N5971-11DL2 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL2

Quant Time: Dec 21 03:54:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	896828	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2578020	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2237168	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1725797	10.099	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%

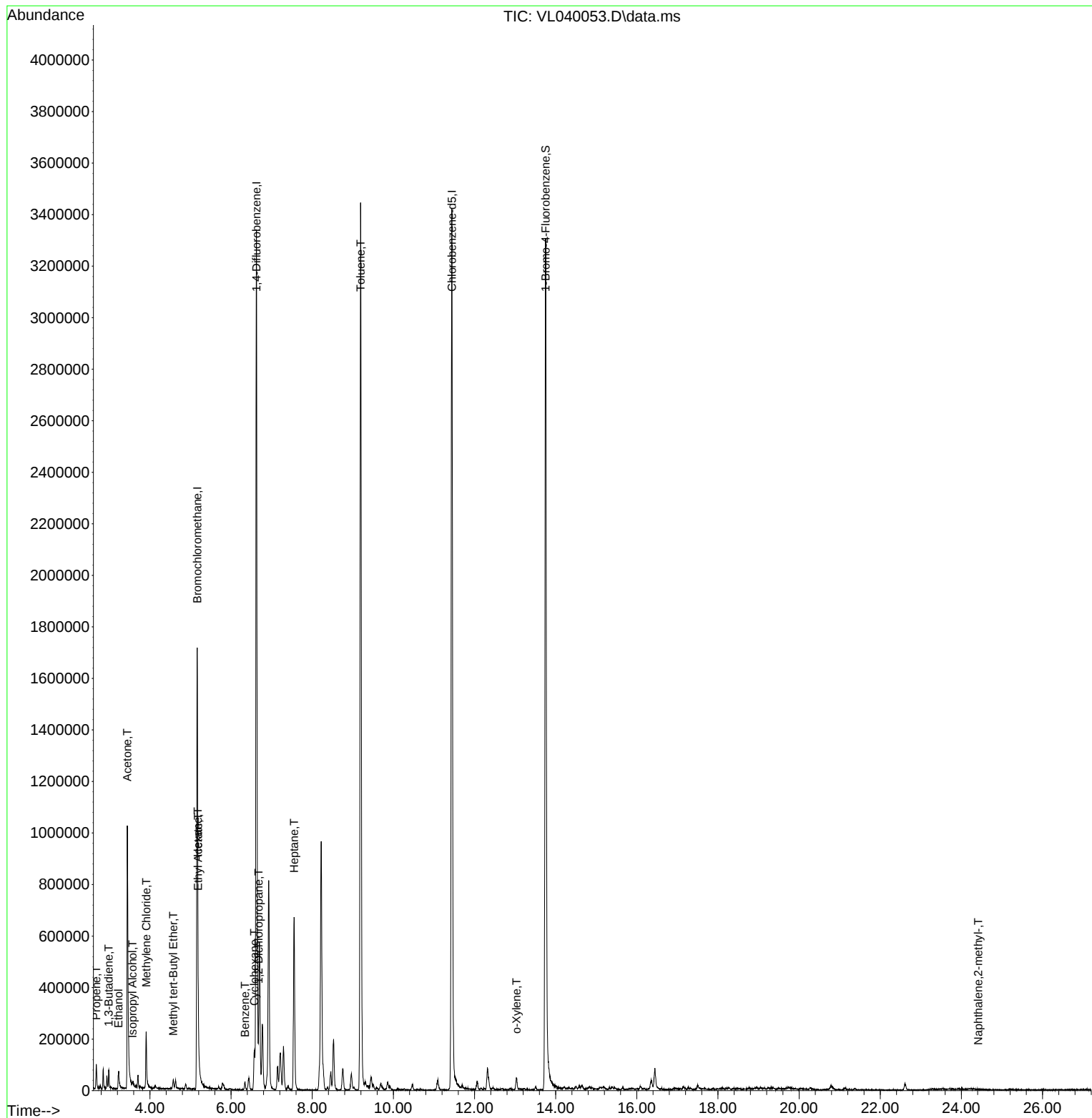
Target Compounds						Qvalue
9) Propene	2.677	41	28309	0.504	ppbv	86
10) Heptane	7.552	43	295244	2.154	ppbv	100
13) Ethanol	3.227	45	61902	11.713	ppbv	71
15) Acetone	3.443	43	1151386	8.299	ppbv	100
16) 1,3-Butadiene	2.983	39	4173	0.069	ppbv #	52
19) Isopropyl Alcohol	3.571	45	5479	0.080	ppbv #	94
20) Methylene Chloride	3.909	84	67262	1.141	ppbv	92
25) Ethyl Acetate	5.185	43	28439	0.118	ppbv #	77
26) Hexane	5.182	57	41592	0.412	ppbv #	37
28) Methyl tert-Butyl Ether	4.578	73	16484	0.139	ppbv	100
30) Cyclohexane	6.574	84	11552	0.129	ppbv #	1
36) Benzene	6.343	78	13406	0.058	ppbv #	78
39) 1,2-Dichloropropane	6.677	63	6372	0.074	ppbv #	9
53) Toluene	9.192	91	2874699	11.277	ppbv	99
60) o-Xylene	13.034	91	21978	0.083	ppbv #	61
80) Naphthalene,2-methyl-	24.413	142	1886	0.035	ppbv	92

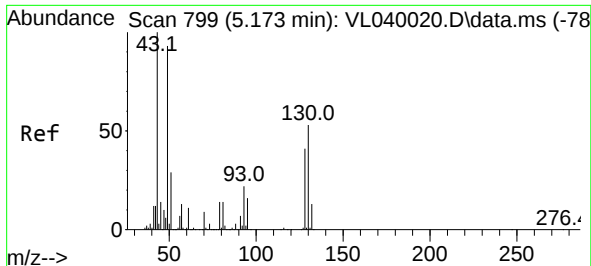
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
Data File : VL040053.D
Acq On : 20 Dec 2022 12:41
Operator : SY/MD
Sample : N5971-11DL2 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

Quant Time: Dec 21 03:54:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

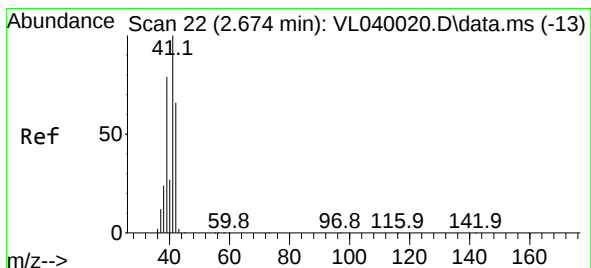
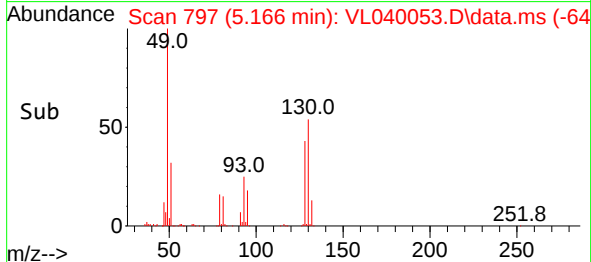
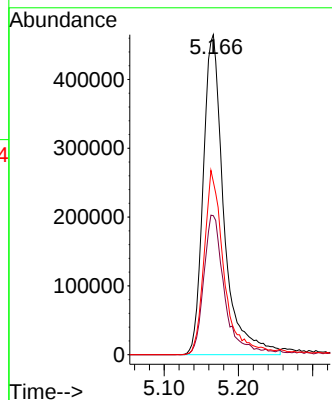
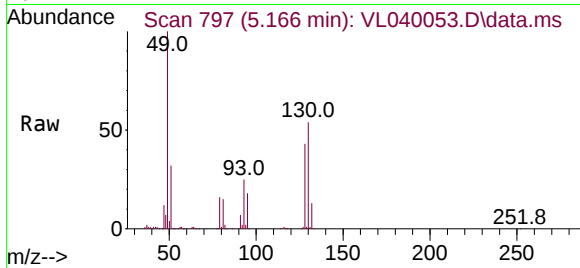




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

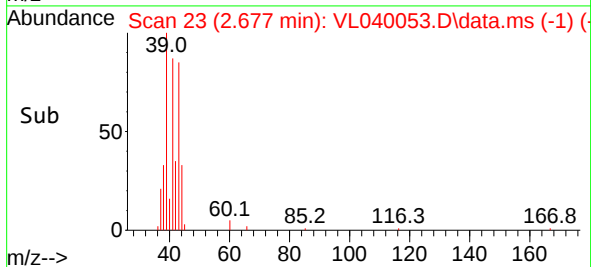
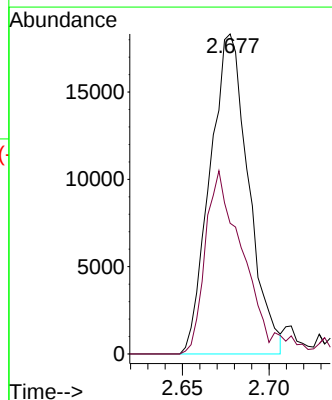
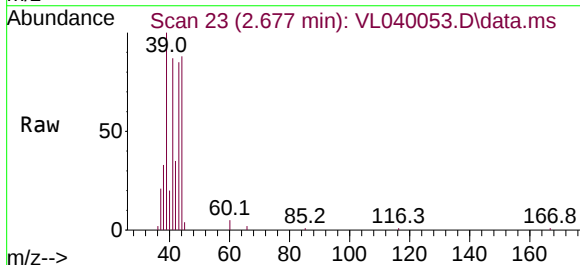
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

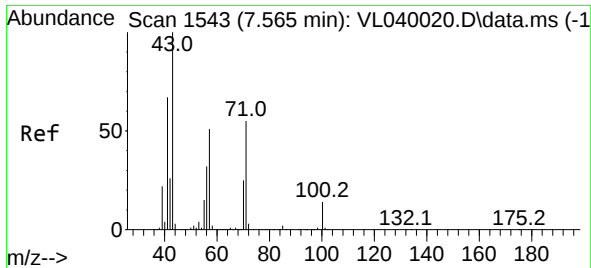
Tgt Ion: 49 Resp: 896828
Ion Ratio Lower Upper
49 100
128 45.3 22.4 67.3
130 57.9 28.9 86.8



#9
Propene
Concen: 0.504 ppbv
RT: 2.677 min Scan# 23
Delta R.T. 0.003 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Tgt Ion: 41 Resp: 28309
Ion Ratio Lower Upper
41 100
42 57.3 54.8 82.2

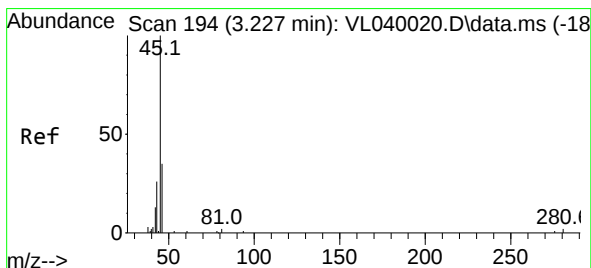
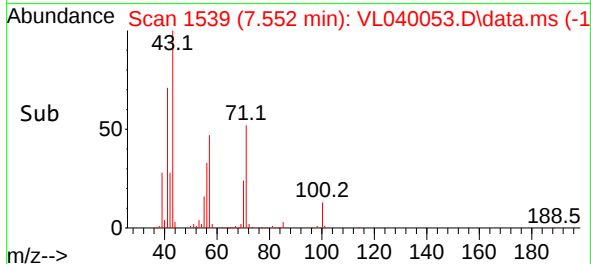
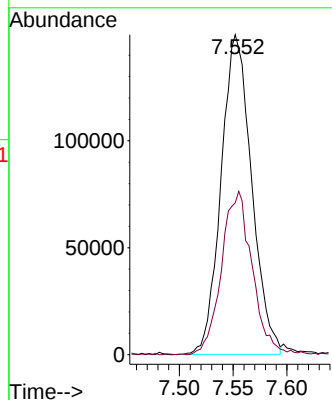
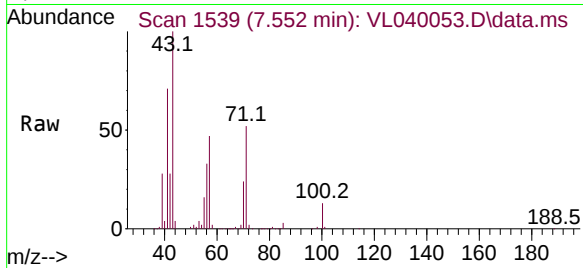




#10
Heptane
Concen: 2.154 ppbv
RT: 7.552 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

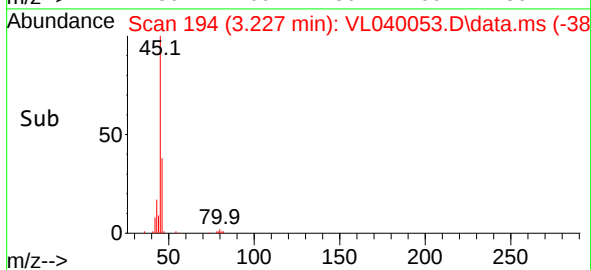
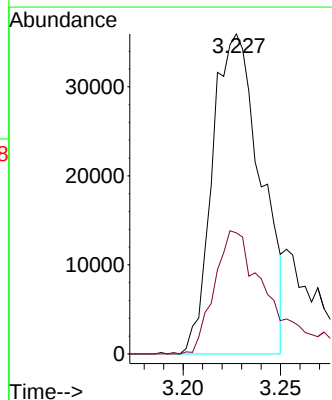
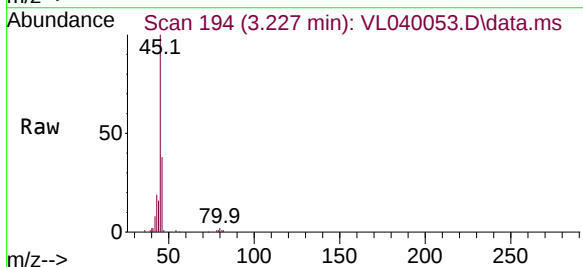
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

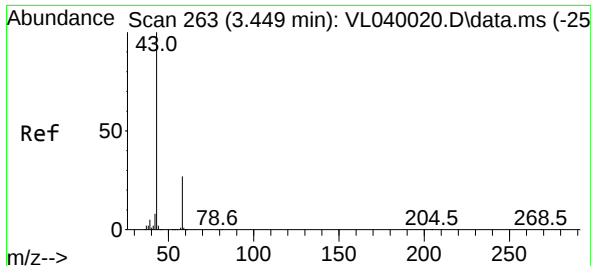
Tgt Ion: 43 Resp: 295244
Ion Ratio Lower Upper
43 100
57 51.6 41.2 61.8



#13
Ethanol
Concen: 11.713 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Tgt Ion: 45 Resp: 61902
Ion Ratio Lower Upper
45 100
46 51.1 13.7 54.7

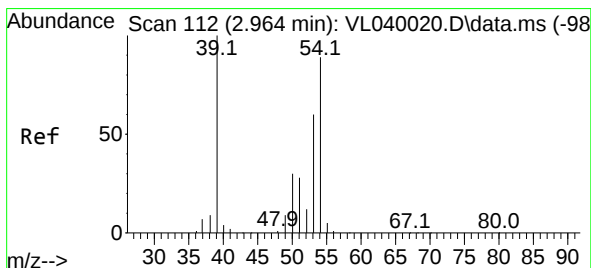
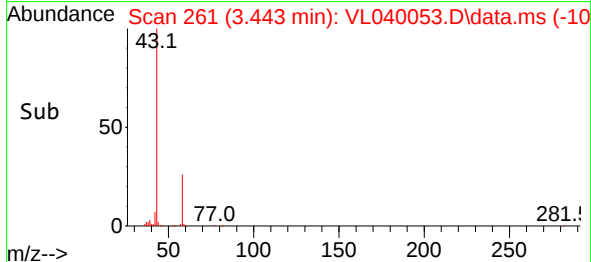
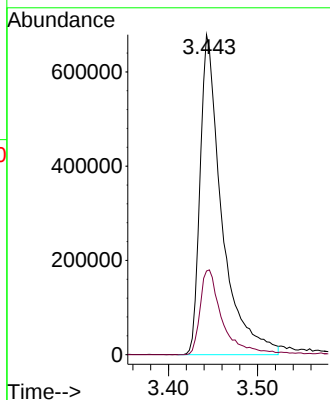
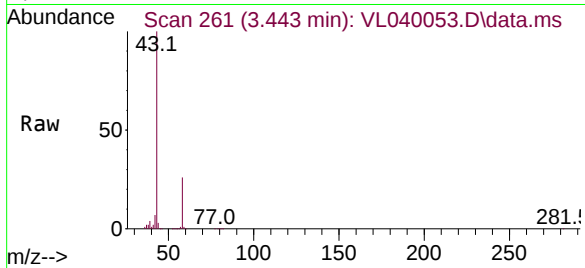




#15
Acetone
Concen: 8.299 ppbv
RT: 3.443 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

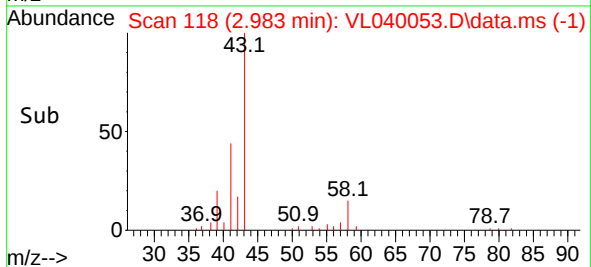
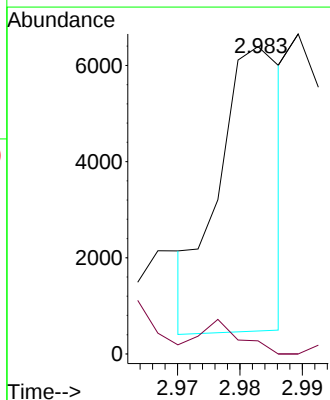
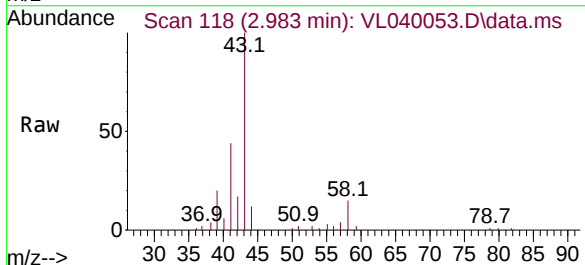
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

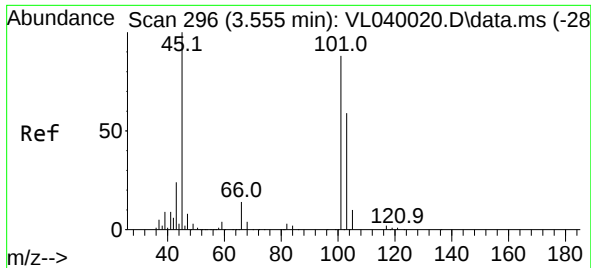
Tgt Ion: 43 Resp: 1151386
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.8



#16
1,3-Butadiene
Concen: 0.069 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.019 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Tgt Ion: 39 Resp: 4173
Ion Ratio Lower Upper
39 100
54 41.8 68.3 102.5#





#19

Isopropyl Alcohol

Concen: 0.080 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.016 min

Lab File: VL040053.D

Acq: 20 Dec 2022 12:41

Instrument :

MSVOA_L

ClientSampleId :

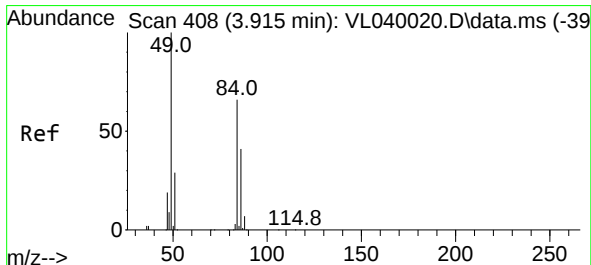
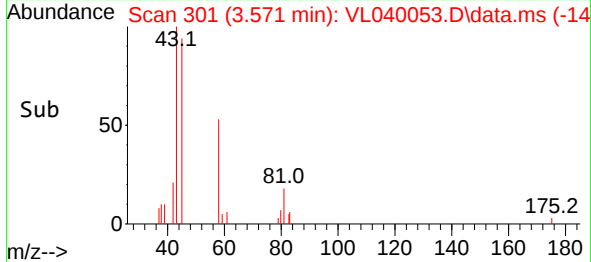
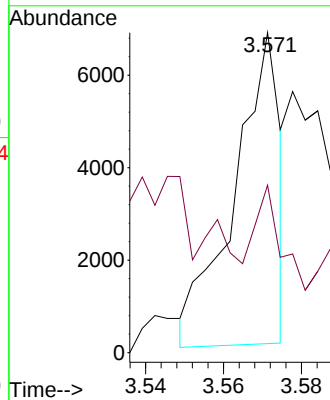
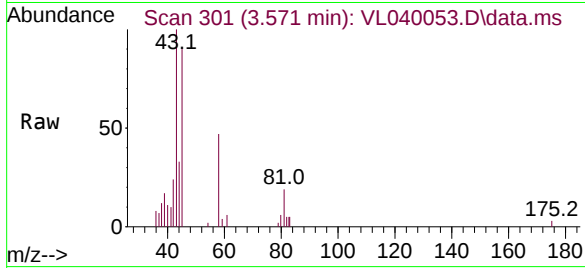
SS-2DL2

Tgt Ion: 45 Resp: 5479

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 1.141 ppbv

RT: 3.909 min Scan# 406

Delta R.T. -0.006 min

Lab File: VL040053.D

Acq: 20 Dec 2022 12:41

Tgt Ion: 84 Resp: 67262

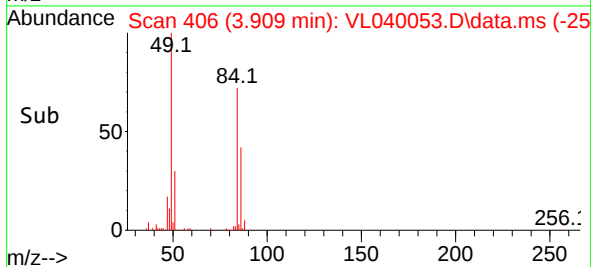
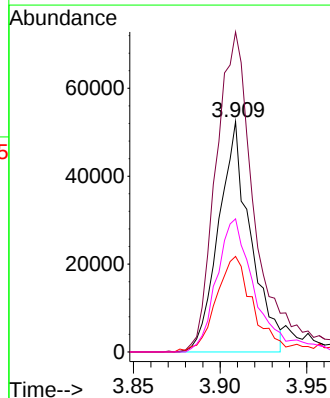
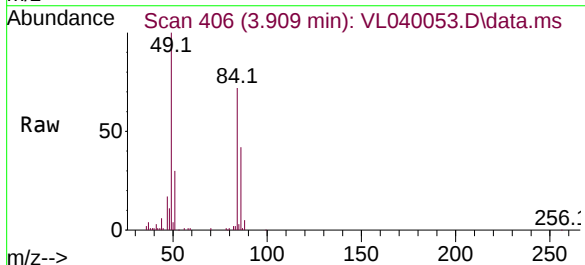
Ion Ratio Lower Upper

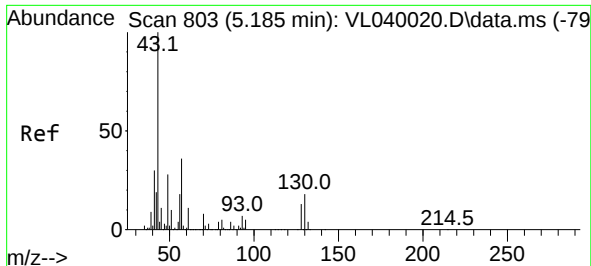
84 100

49 138.5 120.5 180.7

51 40.2 35.2 52.8

86 57.8 49.8 74.6

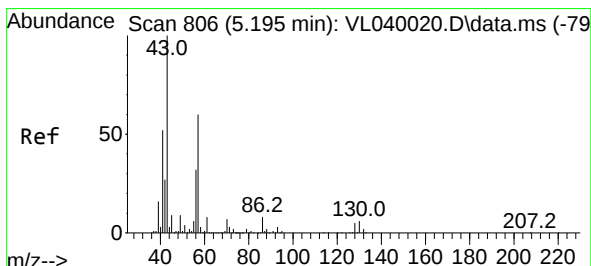
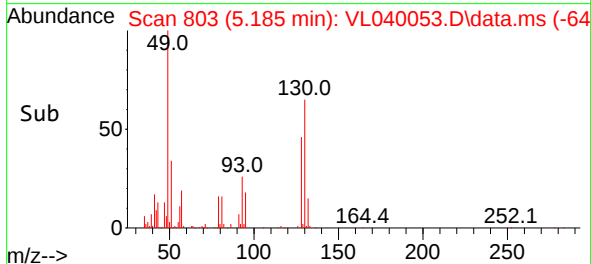
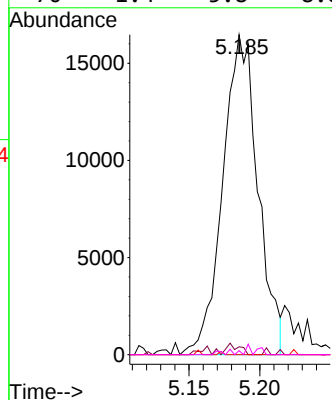
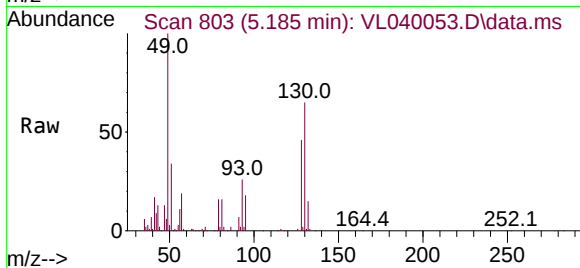




#25
Ethyl Acetate
Concen: 0.118 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.000 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

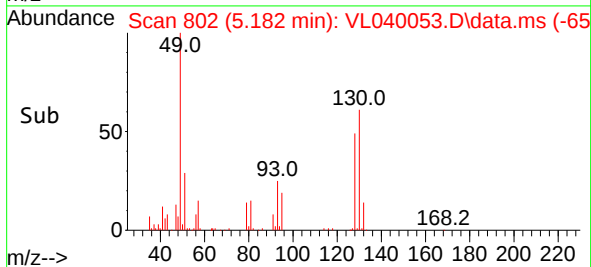
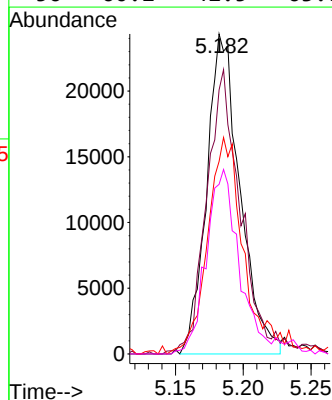
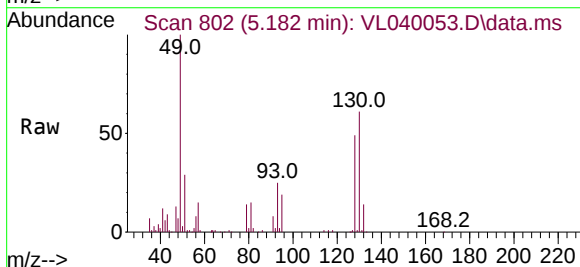
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

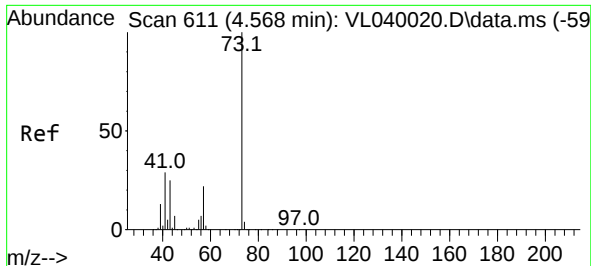
Tgt Ion:	43	Resp:	28439
Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.6	12.8#
61	0.3	8.5	12.7#
70	1.4	5.8	8.8#



#26
Hexane
Concen: 0.412 ppbv
RT: 5.182 min Scan# 802
Delta R.T. -0.013 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Tgt Ion:	57	Resp:	41592
Ion	Ratio	Lower	Upper
57	100		
41	93.1	72.1	108.1
43	75.2	192.1	288.1#
56	60.2	42.5	63.7

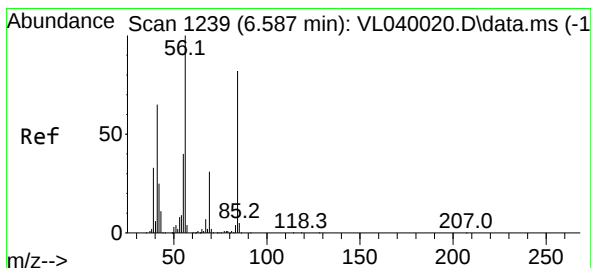
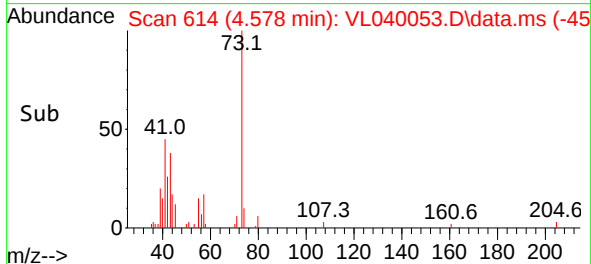
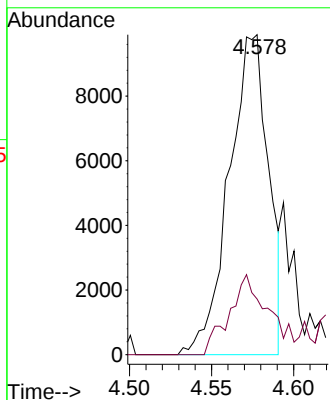
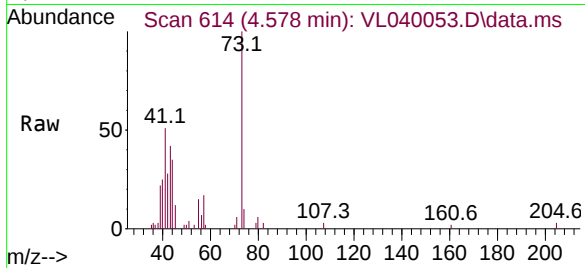




#28
Methyl tert-Butyl Ether
Concen: 0.139 ppbv
RT: 4.578 min Scan# 611
Delta R.T. 0.010 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

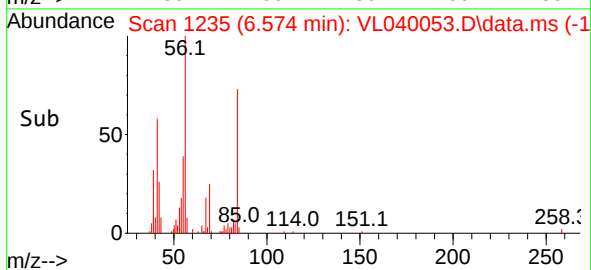
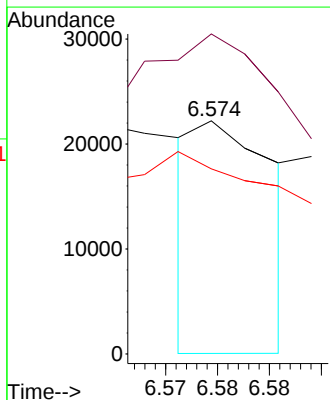
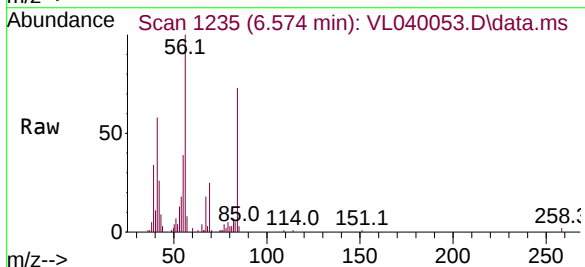
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

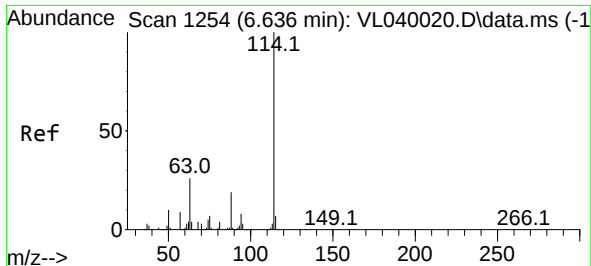
Tgt Ion: 73 Resp: 16484
Ion Ratio Lower Upper
73 100
57 23.5 18.6 28.0



#30
Cyclohexane
Concen: 0.129 ppbv
RT: 6.574 min Scan# 1235
Delta R.T. -0.013 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Tgt Ion: 84 Resp: 11552
Ion Ratio Lower Upper
84 100
56 531.7 110.2 165.4#
41 359.2 67.8 101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040053.D

Acq: 20 Dec 2022 12:41

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL2

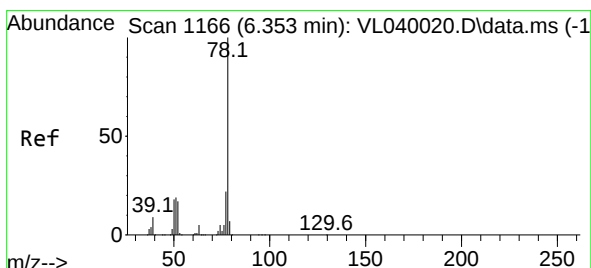
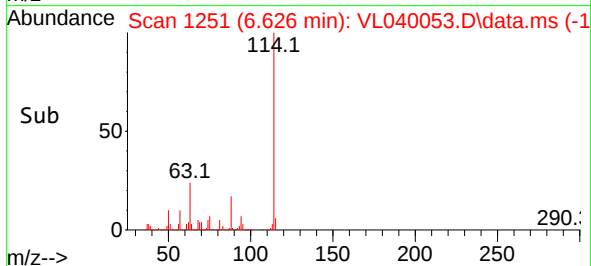
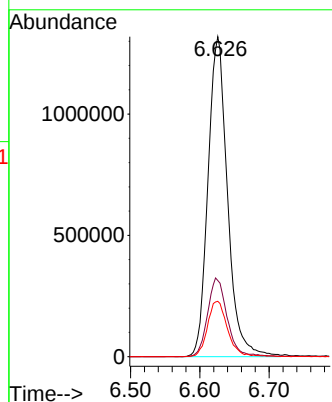
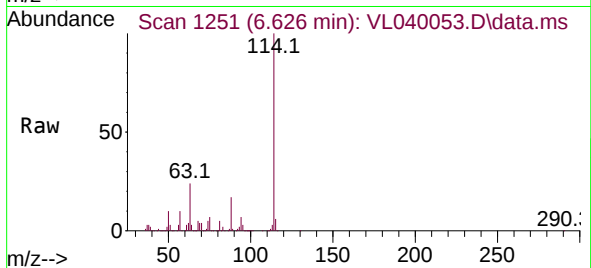
Tgt Ion:114 Resp: 2578020

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.2

88 18.0 14.6 21.8



#36

Benzene

Concen: 0.058 ppbv

RT: 6.343 min Scan# 1163

Delta R.T. -0.010 min

Lab File: VL040053.D

Acq: 20 Dec 2022 12:41

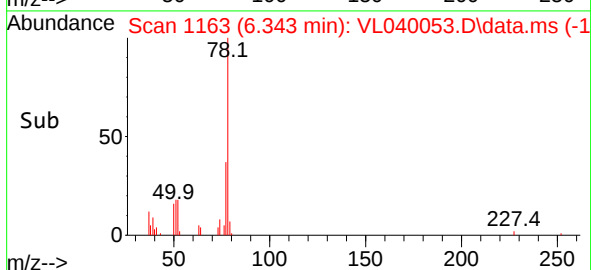
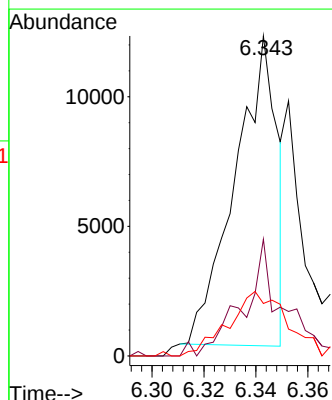
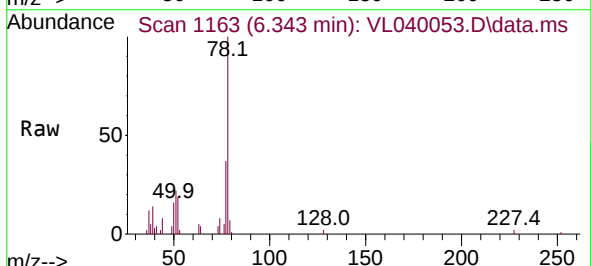
Tgt Ion: 78 Resp: 13406

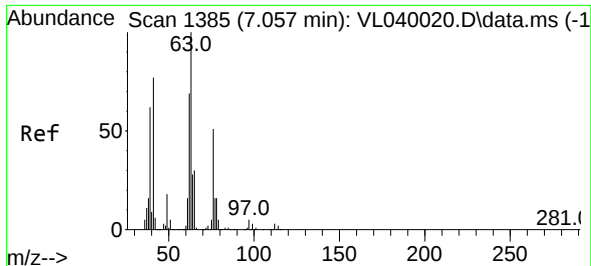
Ion Ratio Lower Upper

78 100

77 37.9 17.5 26.3#

50 14.2 14.2 21.2





#39

1,2-Dichloropropane

Concen: 0.074 ppbv

RT: 6.677 min Scan# 11

Delta R.T. -0.379 min

Lab File: VL040053.D

Acq: 20 Dec 2022 12:41

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL2

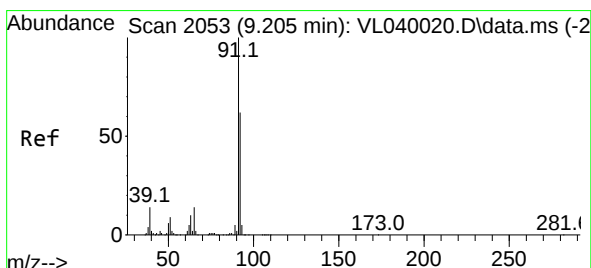
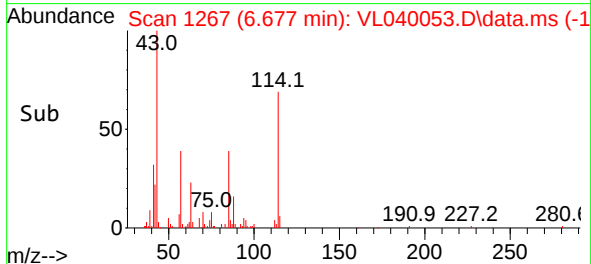
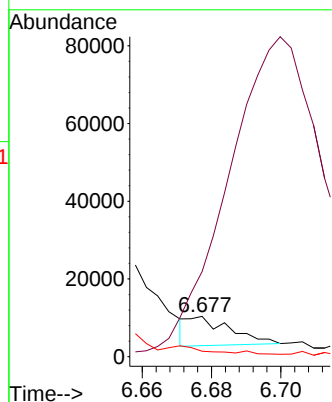
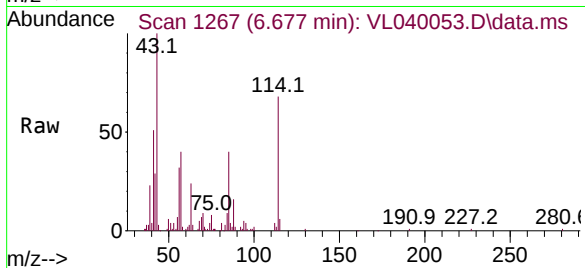
Tgt Ion: 63 Resp: 6372

Ion Ratio Lower Upper

63 100

41 170.2 61.4 92.0#

62 11.1 55.4 83.2#



#53

Toluene

Concen: 11.277 ppbv

RT: 9.192 min Scan# 2049

Delta R.T. -0.013 min

Lab File: VL040053.D

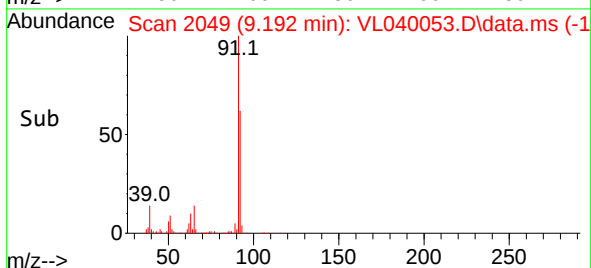
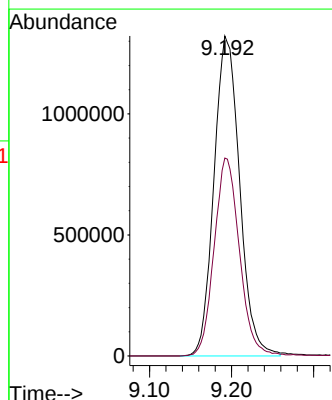
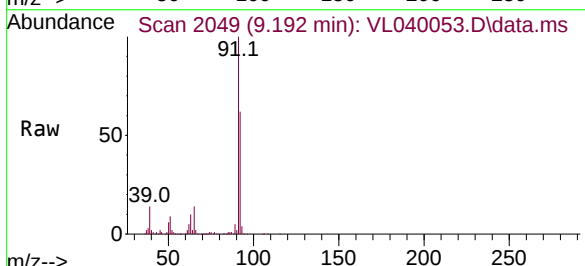
Acq: 20 Dec 2022 12:41

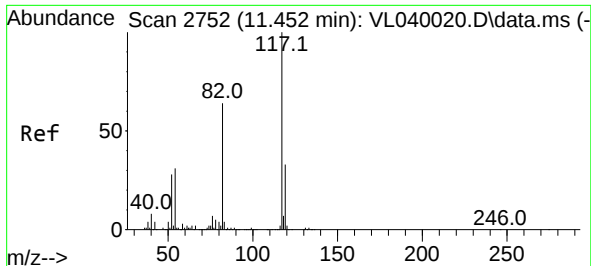
Tgt Ion: 91 Resp: 2874699

Ion Ratio Lower Upper

91 100

92 61.5 48.7 73.1

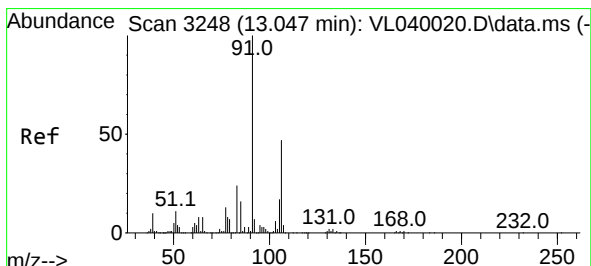
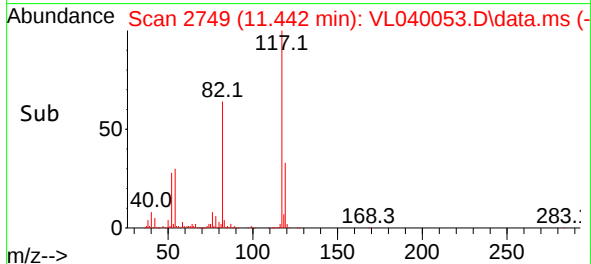
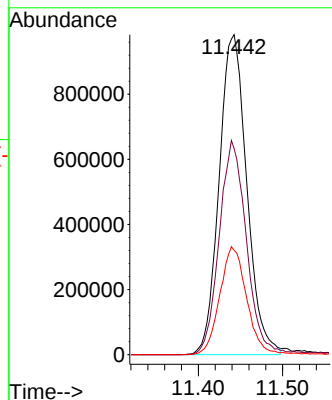
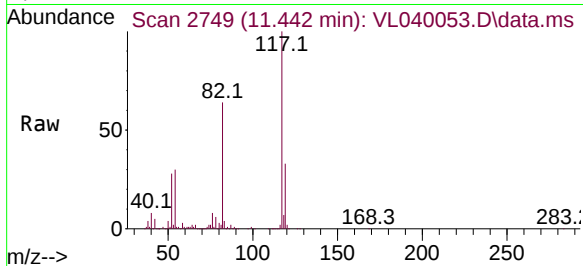




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

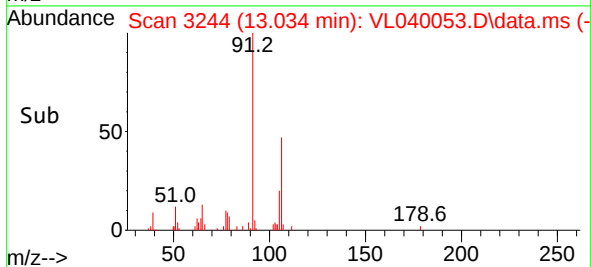
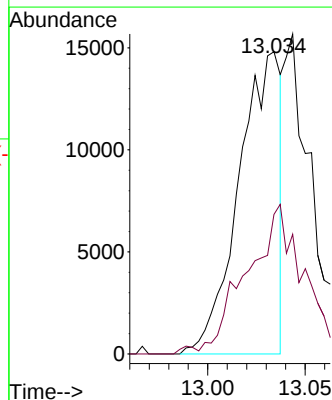
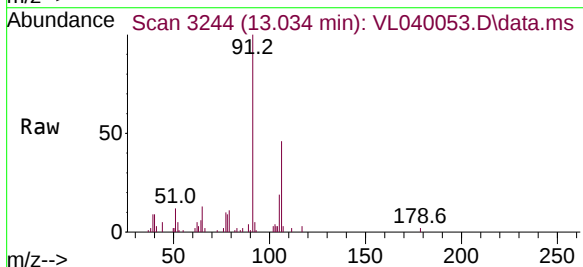
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

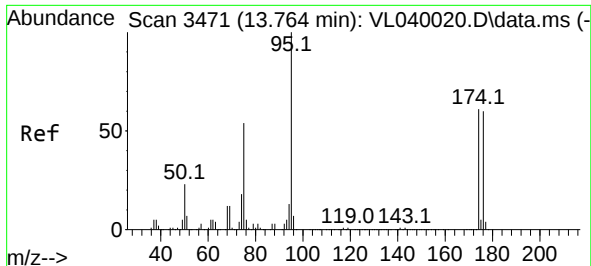
Tgt Ion:117 Resp: 2237168
Ion Ratio Lower Upper
117 100
82 67.2 51.2 76.8
119 33.2 23.2 34.8



#60
o-Xylene
Concen: 0.083 ppbv
RT: 13.034 min Scan# 3244
Delta R.T. -0.013 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Tgt Ion: 91 Resp: 21978
Ion Ratio Lower Upper
91 100
106 70.3 22.4 67.0#

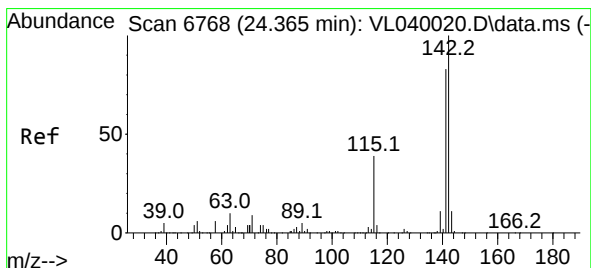
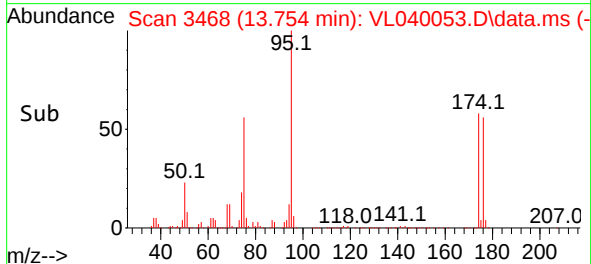
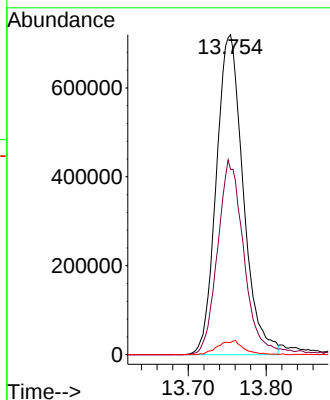
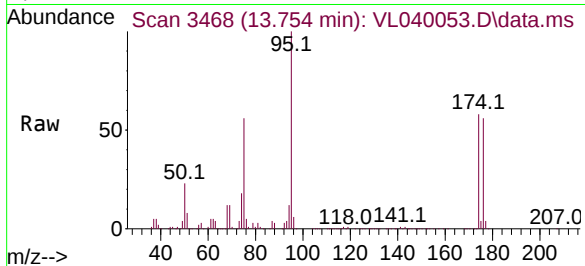




#68
1-Bromo-4-Fluorobenzene
Concen: 10.099 ppbv
RT: 13.754 min Scan# 3471
Delta R.T. -0.010 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Instrument :
MSVOA_1
ClientSampleId :
SS-2DL2

Tgt Ion: 95 Resp: 1725797
Ion Ratio Lower Upper
95 100
174 60.2 48.6 73.0
175 4.3 3.4 5.2



#80
Naphthalene,2-methyl-
Concen: 0.035 ppbv
RT: 24.413 min Scan# 6783
Delta R.T. 0.048 min
Lab File: VL040053.D
Acq: 20 Dec 2022 12:41

Tgt Ion:142 Resp: 1886
Ion Ratio Lower Upper
142 100
141 73.8 65.3 97.9
115 44.2 31.9 47.9

