

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040224.D
 Acq On : 23 Feb 2023 15:41
 Operator : SY/MD
 Sample : 01627-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 24 00:47:05 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	767912	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	1905978	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1713490	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1427266 10.130 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	17817	0.124	ppbv	99
3) Chlorodifluoromethane	2.665	51	10473	0.114	ppbv	96
4) Chloromethane	2.806	50	7068	0.123	ppbv	88
5) Vinyl Chloride	2.912	62	4863	0.105	ppbv #	81
6) Bromomethane	3.112	94	1762	0.105	ppbv #	62
7) Chloroethane	3.189	64	2062m	0.112	ppbv	
8) Dichlorotetrafluoroethane	2.848	85	13446	0.109	ppbv	98
9) Propene	2.687	41	5863	0.157	ppbv	85
10) Heptane	7.581	43	5658m	0.064	ppbv	
11) Trichlorofluoromethane	3.555	101	14823	0.115	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.057	101	11220m	0.118	ppbv	
14) Bromoethene	3.362	108	3604m	0.099	ppbv	
15) Acetone	3.491	43	11919m	0.129	ppbv	
16) 1,3-Butadiene	2.976	39	4569	0.108	ppbv	96
17) tert-Butyl alcohol	3.906	59	9413m	0.112	ppbv	
18) 1,1-Dichloroethene	3.880	96	4710m	0.114	ppbv	
19) Isopropyl Alcohol	3.600	45	5047m	0.115	ppbv	
20) Methylene Chloride	3.928	84	12940	0.269	ppbv #	87
21) Allyl Chloride	3.989	41	6253m	0.110	ppbv	
22) trans-1,2-Dichloroethene	4.439	96	4919m	0.115	ppbv	
24) 1,1-Dichloroethane	4.558	63	9511	0.108	ppbv #	90
26) Hexane	5.201	57	7019m	0.095	ppbv	
27) Carbon Disulfide	4.121	76	7601	0.081	ppbv #	48
28) Methyl tert-Butyl Ether	4.607	73	7467m	0.094	ppbv	
29) Chloroform	5.263	83	14100	0.111	ppbv #	65
30) Cyclohexane	6.632	84	4663m	0.080	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	6822m	0.097	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	10134	0.085	ppbv #	84
34) 2-Butanone	4.806	43	10924m	0.116	ppbv	
35) Carbon Tetrachloride	6.491	117	10391	0.092	ppbv	94
36) Benzene	6.372	78	12799m	0.086	ppbv	
37) 1,2-Dichloroethane	5.809	62	9812m	0.106	ppbv	
38) Trichloroethene	7.282	130	3581	0.044	ppbv #	66
39) 1,2-Dichloropropane	7.070	63	5866m	0.102	ppbv	
40) 1,4-Dioxane	7.356	88	1862m	0.081	ppbv	
41) Tetrahydrofuran	5.587	42	4012m	0.074	ppbv	
42) Bromodichloromethane	7.250	83	11664m	0.091	ppbv	
43) Methyl Methacrylate	7.478	69	4100m	0.075	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	17186m	0.069	ppbv	
45) t-1,3-Dichloropropene	8.709	75	2870m	0.059	ppbv	
46) cis-1,3-Dichloropropene	8.147	75	4028m	0.059	ppbv	
47) 1,1,2-Trichloroethane	8.902	97	6384m	0.102	ppbv	
48) Dibromochloromethane	9.713	129	7219m	0.072	ppbv	

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

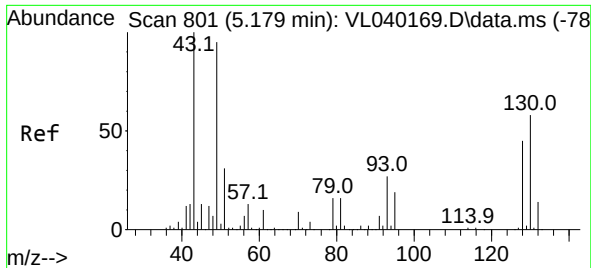
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Bromoform	12.404	173	4810m	0.062	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	10344m	0.071	ppbv	
51) 2-Hexanone	9.603	43	6636m	0.059	ppbv	
52) Tetrachloroethene	10.613	164	4469m	0.096	ppbv	
53) Toluene	9.227	91	9925m	0.062	ppbv	
54) 1,2-Dibromoethane	10.008	107	4910m	0.076	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	6653m	0.092	ppbv	
57) Chlorobenzene	11.529	112	13217m	0.106	ppbv	
58) Ethyl Benzene	12.095	91	11904m	0.057	ppbv	
59) m/p-Xylene	12.375	91	19716m	0.107	ppbv	
60) o-Xylene	13.060	91	9190m	0.052	ppbv	
61) Styrene	12.899	104	4282m	0.046	ppbv	
62) Isopropylbenzene	14.031	105	17025m	0.067	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.060	83	6427m	0.101	ppbv	
64) n-propylbenzene	14.931	120	3134m	0.050	ppbv	
65) tert-Butylbenzene	16.105	119	10889m	0.049	ppbv	
66) Benzyl Chloride	16.346	91	1072m	0.073	ppbv	
67) sec-Butylbenzene	16.645	105	17783m	0.056	ppbv	
69) p-Isopropyltoluene	17.018	119	11636m	0.046	ppbv	
70) n-Butylbenzene	17.902	91	13571m	0.050	ppbv	
71) 2-Chlorotoluene	14.809	91	11845m	0.061	ppbv	
72) 4-Ethyltoluene	15.204	105	11060m	0.056	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	9182m	0.050	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	9440m	0.047	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	8472m	0.077	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	8285m	0.077	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	8406m	0.077	ppbv	
78) Hexachloro-1,3-Butadiene	22.645	225	6621m	0.088	ppbv	
79) Naphthalene	21.394	128	4636m	0.041	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	3373m	0.048	ppbv	

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



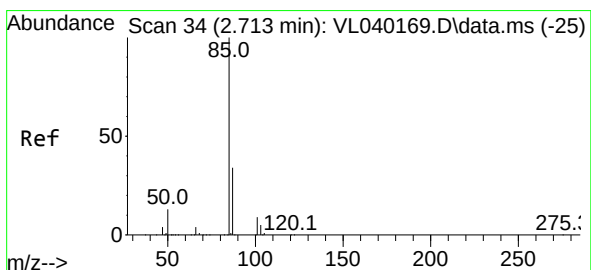
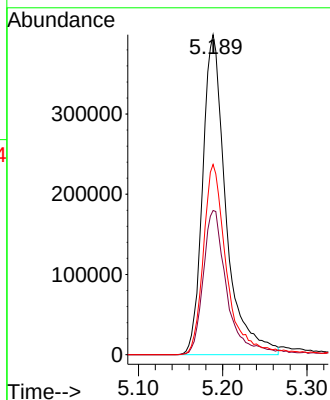
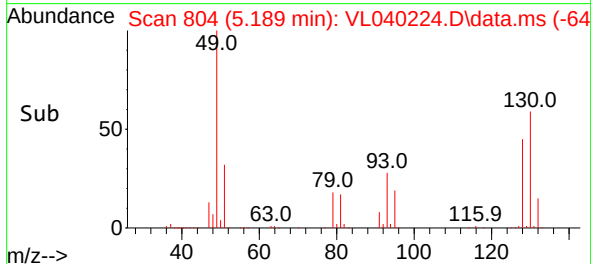
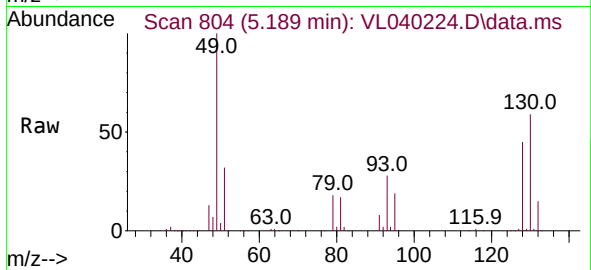
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion: 49 Resp: 767912
Ion Ratio Lower Upper
49 100
128 47.1 24.1 72.3
130 60.2 30.9 92.8

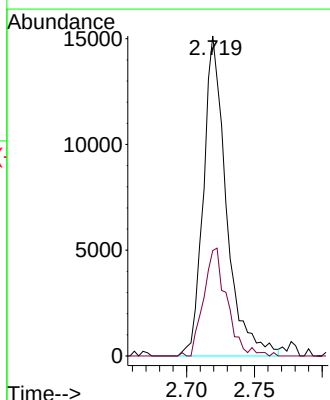
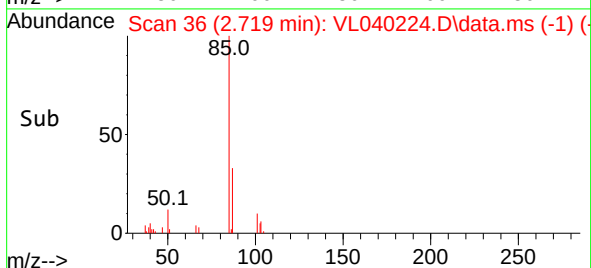
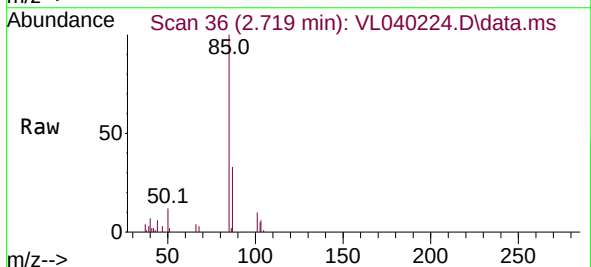
Manual Integrations
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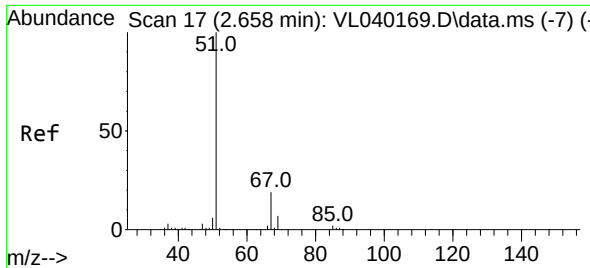
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion: 85 Resp: 17817
Ion Ratio Lower Upper
85 100
87 33.0 27.0 40.6





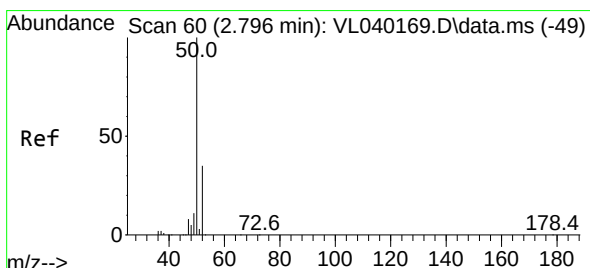
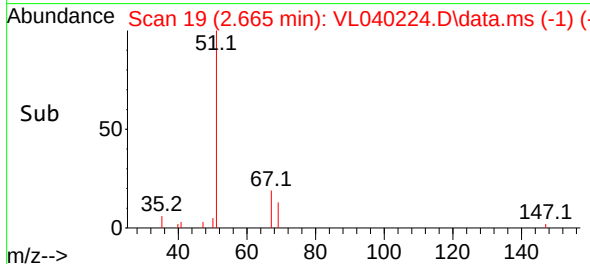
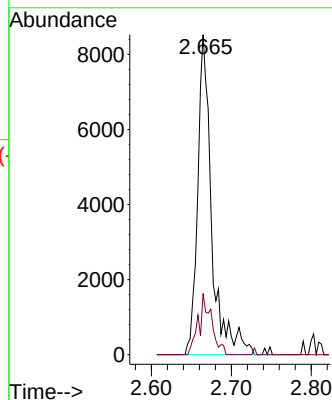
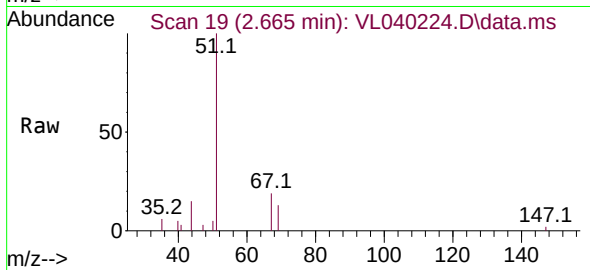
#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion: 51 Resp: 1047
Ion Ratio Lower Upper
51 100
67 17.6 15.4 23.2

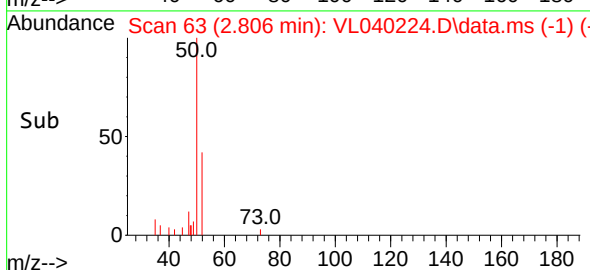
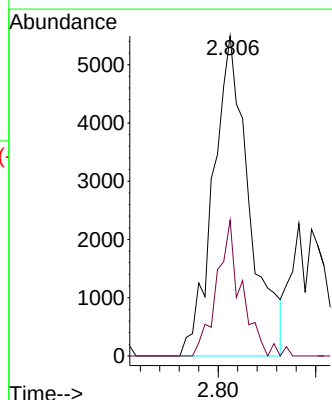
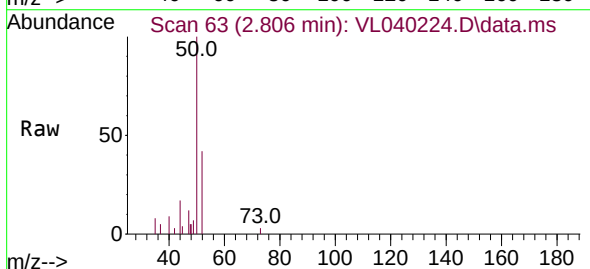
Manual Integrations
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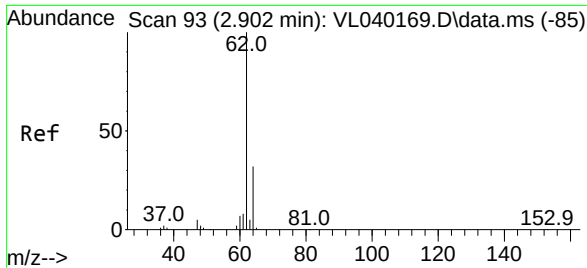
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#4
Chloromethane
Concen: 0.123 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

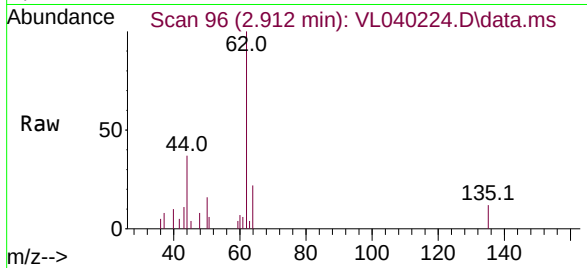
Tgt Ion: 50 Resp: 7068
Ion Ratio Lower Upper
50 100
52 42.5 28.3 42.5





#5
 Vinyl Chloride
 Concen: 0.105 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

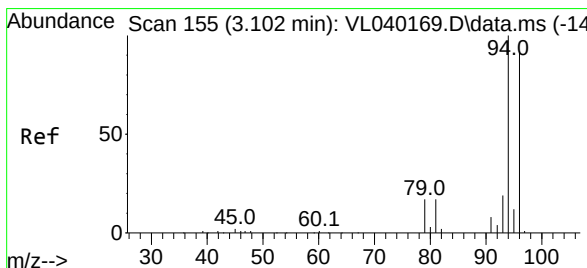
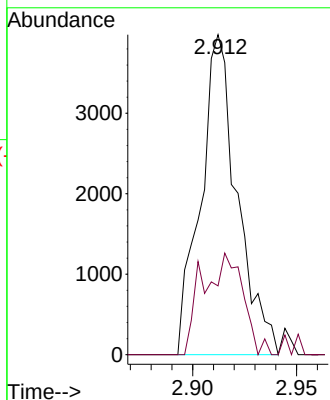
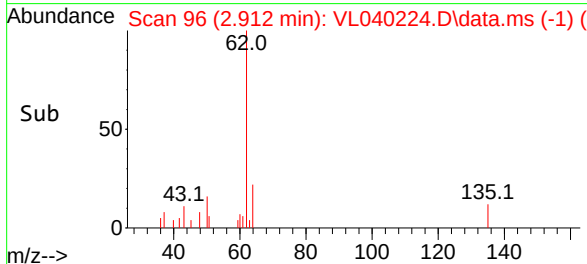
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023DL



Tgt Ion: 62 Resp: 486
 Ion Ratio Lower Upper
 62 100
 64 21.5 25.6 38.4

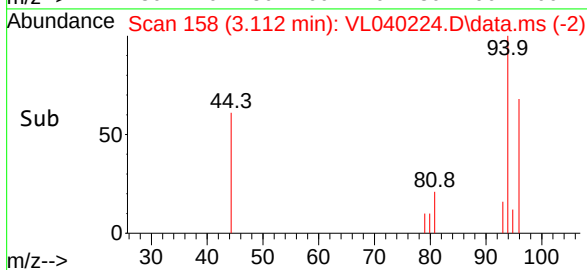
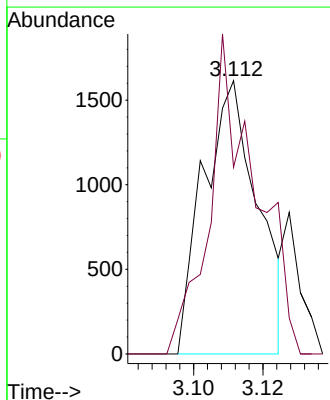
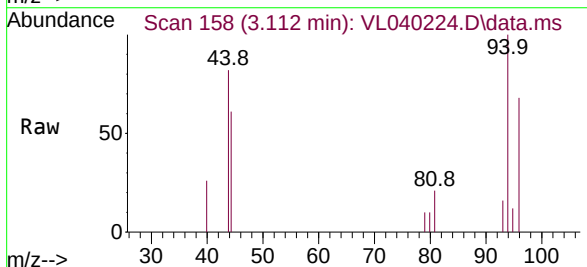
Manual Integrations
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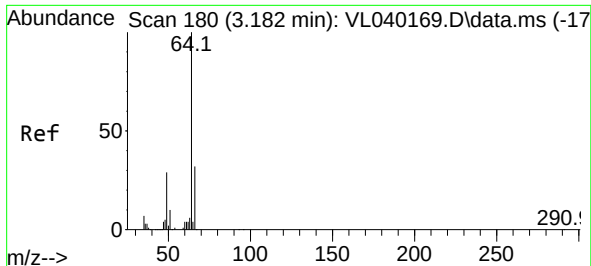
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#6
 Bromomethane
 Concen: 0.105 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

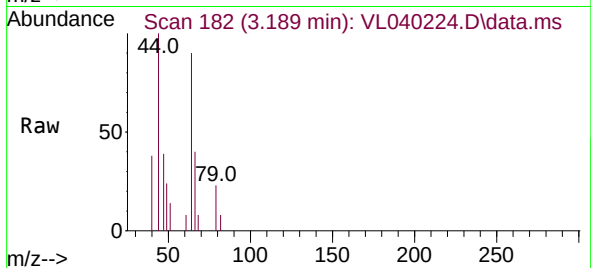
Tgt Ion: 94 Resp: 1762
 Ion Ratio Lower Upper
 94 100
 96 55.7 73.4 110.2





#7
Chloroethane
Concen: 0.112 ppbv m
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

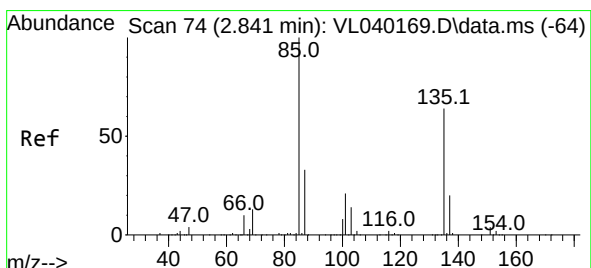
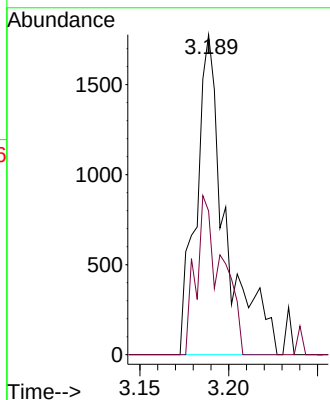
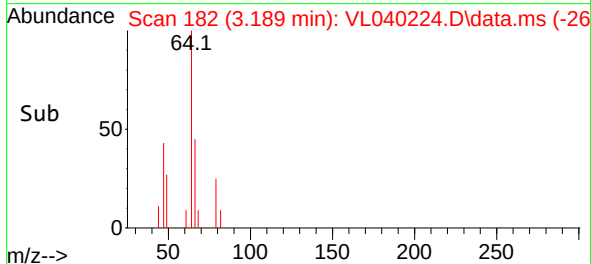
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion: 64 Resp: 2062
Ion Ratio Lower Upper
64 100
66 44.9 25.4 38.2

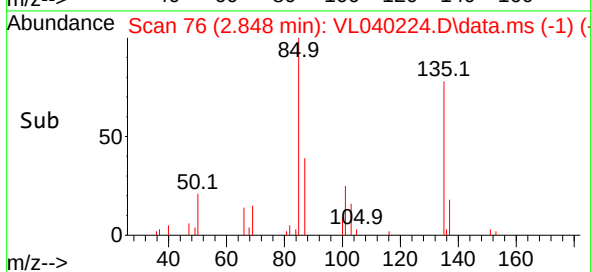
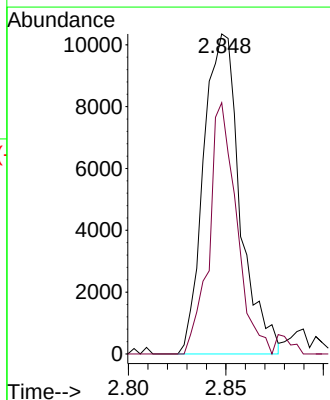
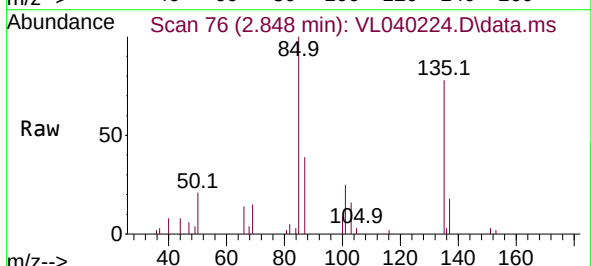
Manual Integrations
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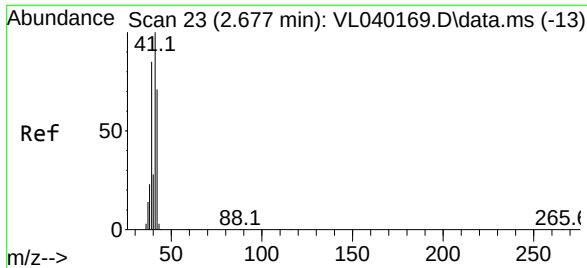
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#8
Dichlorotetrafluoroethane
Concen: 0.109 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

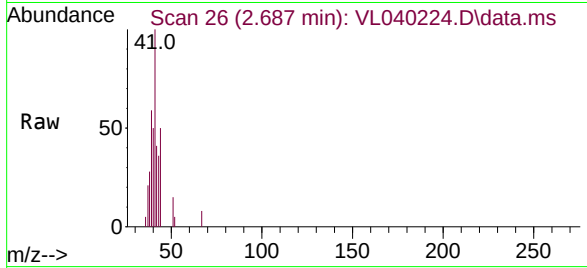
Tgt Ion: 85 Resp: 13446
Ion Ratio Lower Upper
85 100
135 62.9 51.5 77.3





#9
 Propene
 Concen: 0.157 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

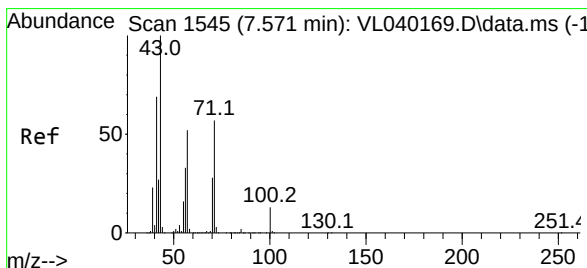
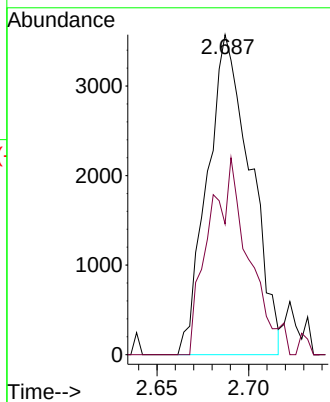
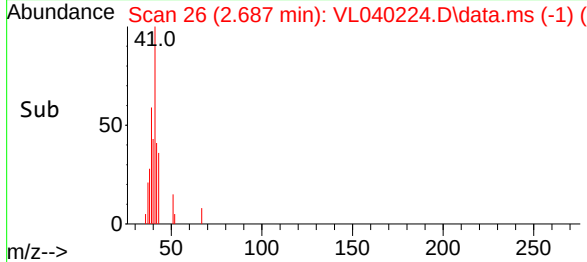
Instrument :
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 MDL-AIR-03-QT1-2023DL



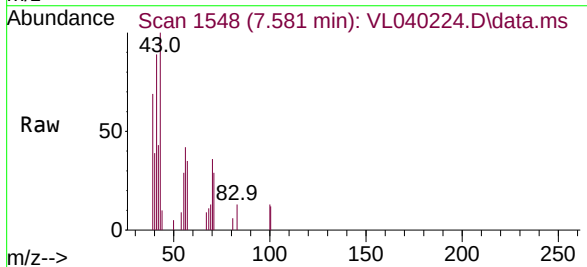
Tgt Ion: 41 Resp: 586
 Ion Ratio Lower Upper
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 42 58.4 56.9 85.3

Manual Integrations
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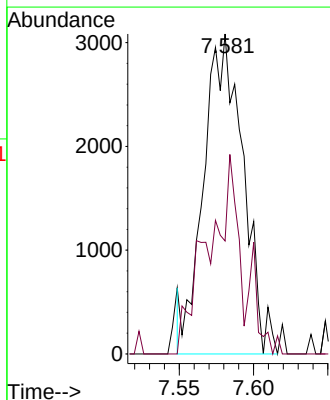
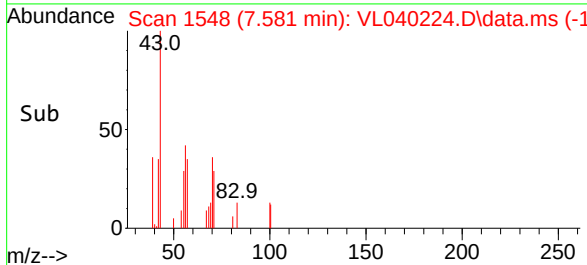
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

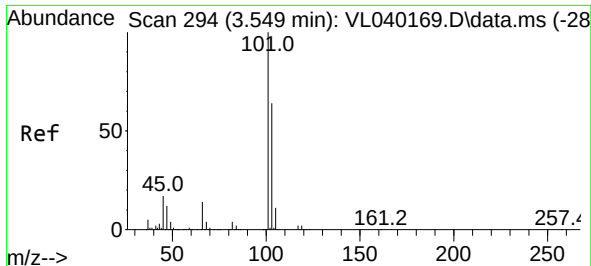


#10
 Heptane
 Concen: 0.064 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.000 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41



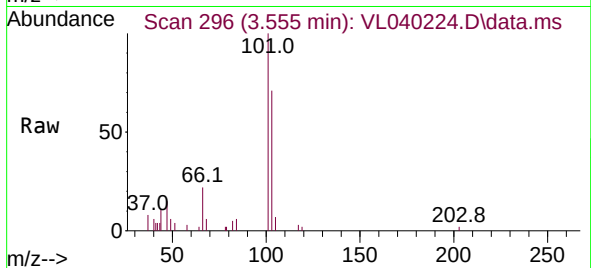
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 Ion Ratio Lower Upper
 43 100
 57 54.8 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.115 ppbv
RT: 3.555 min Scan# 294
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

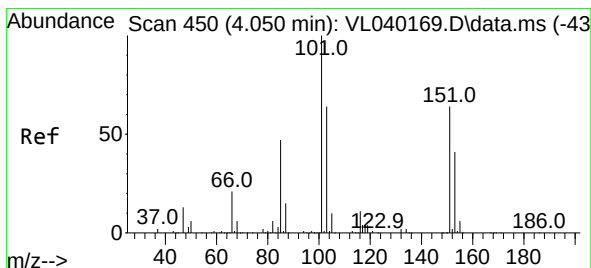
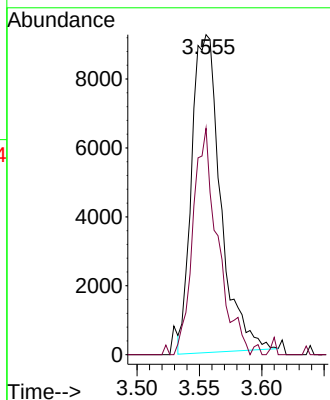
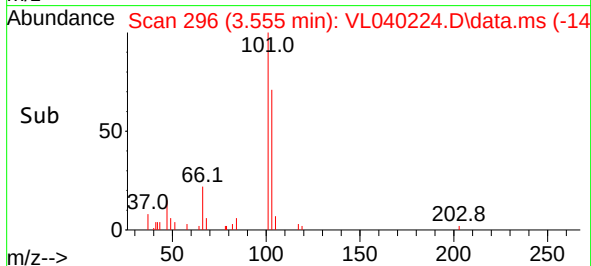
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ClientSampleId :
MDL-AIR-03-QT1-2023DL



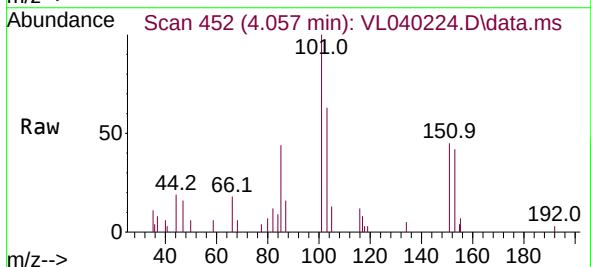
Tgt Ion:101 Resp: 1482
Ion Ratio Lower Upper
101 100
103 72.1 51.0 76.6

Manual Integrations
APPROVED

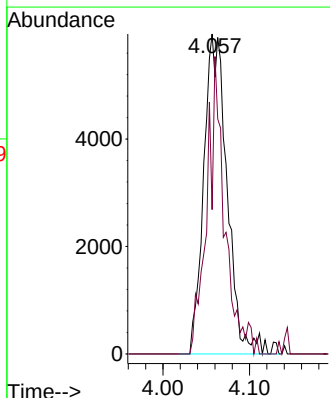
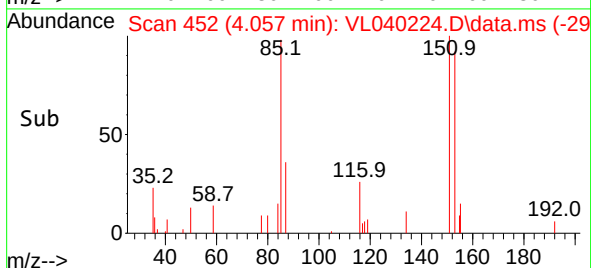
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

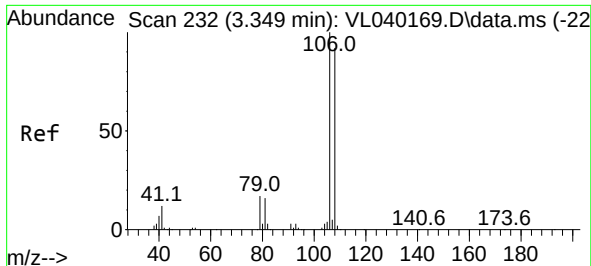


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.118 ppbv m
RT: 4.057 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



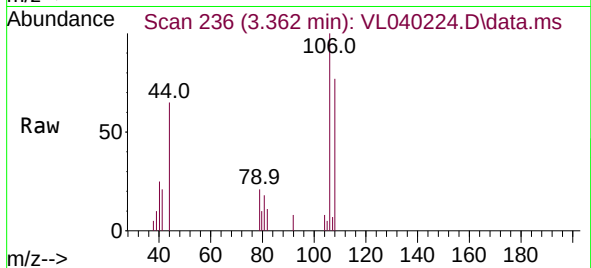
Tgt Ion:101 Resp: 11220
Ion Ratio Lower Upper
101 100
151 70.4 54.7 82.1





#14
Bromoethene
Concen: 0.099 ppbv m
RT: 3.362 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

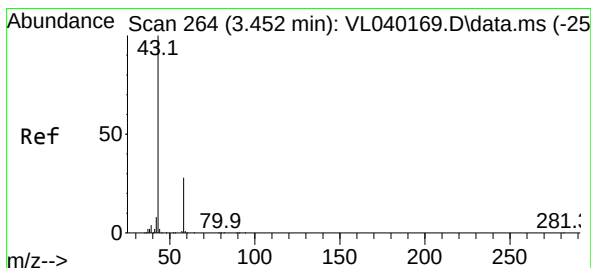
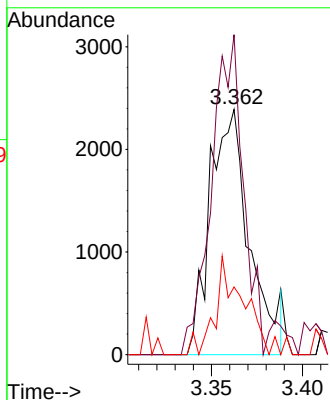
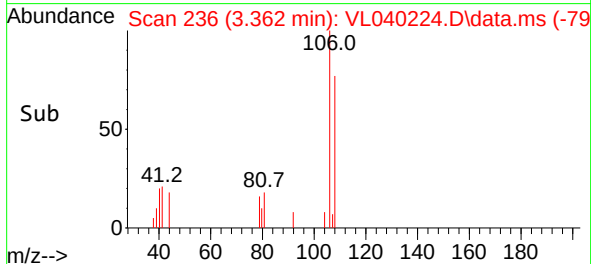
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



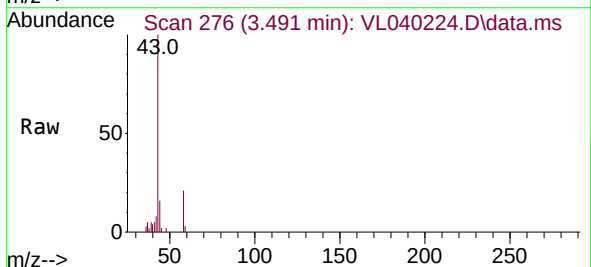
Tgt Ion:108 Resp: 3604
Ion Ratio Lower Upper
108 100
106 118.1 87.1 130.7
79 31.9 15.4 23.2

Manual Integrations
APPROVED

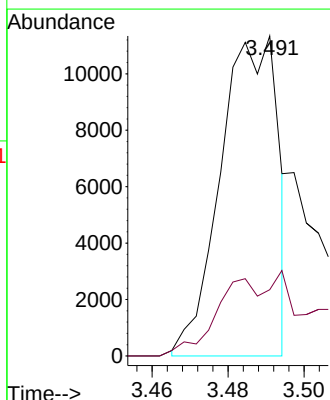
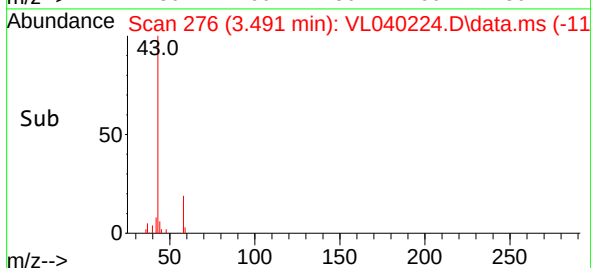
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

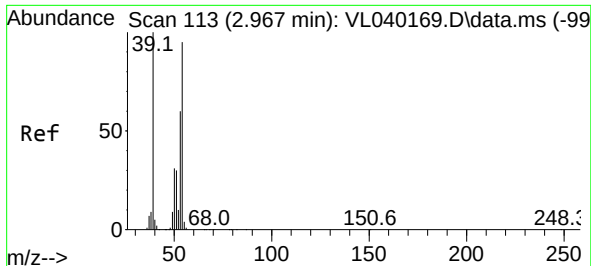


#15
Acetone
Concen: 0.129 ppbv m
RT: 3.491 min Scan# 276
Delta R.T. 0.032 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



Tgt Ion: 43 Resp: 11919
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#





#16

1,3-Butadiene

Concen: 0.108 ppbv

RT: 2.976 min Scan# 113

Delta R.T. 0.000 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023DL

Tgt Ion: 39 Resp: 4569

Ion Ratio Lower Upper

39 100

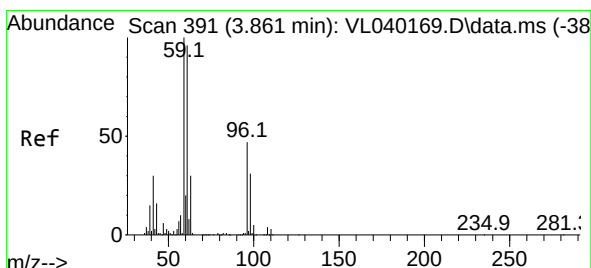
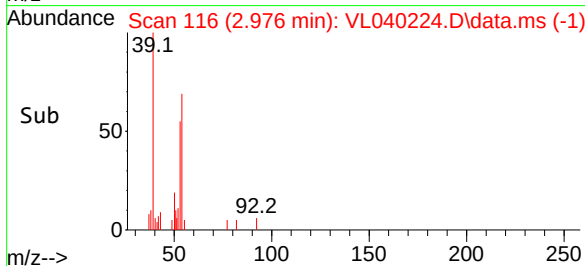
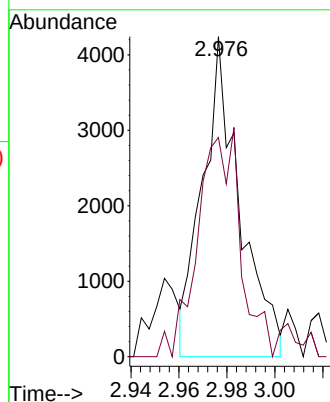
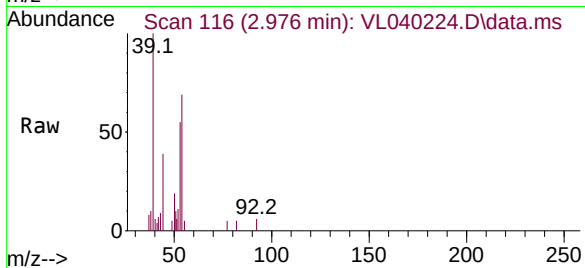
54 86.7 66.7 100.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#17

tert-Butyl alcohol

Concen: 0.112 ppbv m

RT: 3.906 min Scan# 405

Delta R.T. 0.035 min

Lab File: VL040224.D

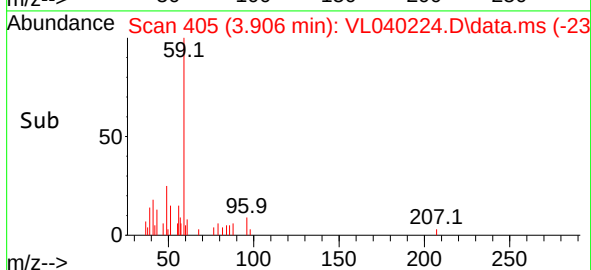
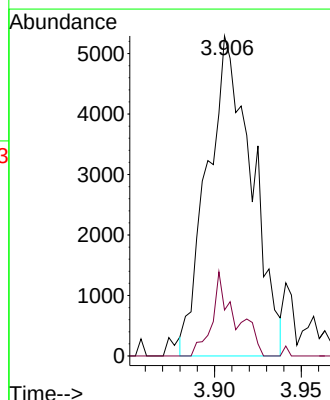
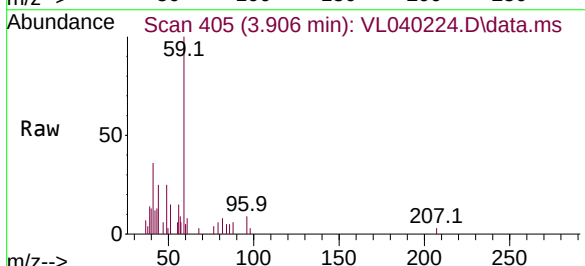
Acq: 23 Feb 2023 15:41

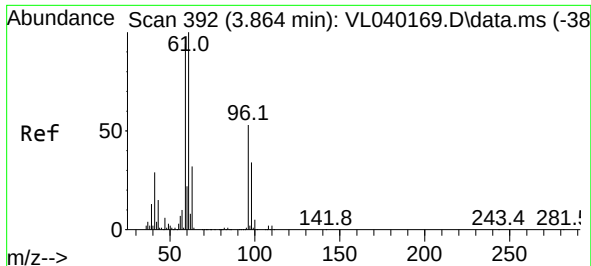
Tgt Ion: 59 Resp: 9413

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





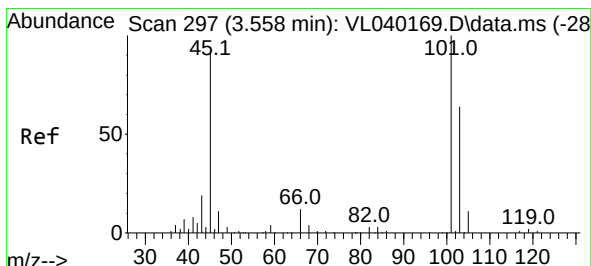
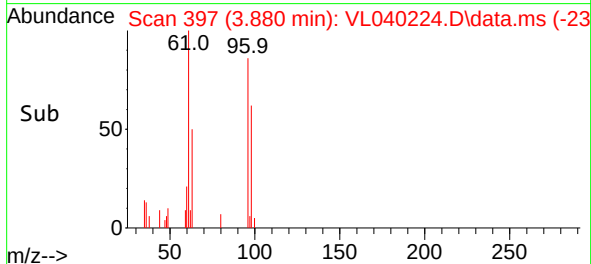
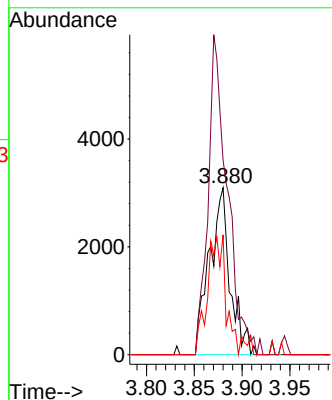
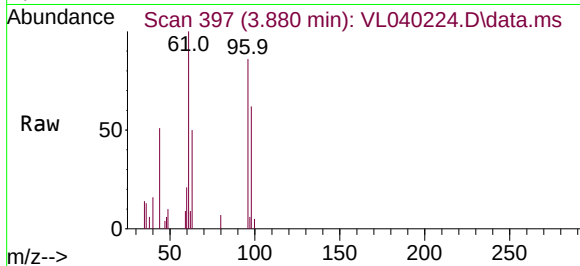
#18
1,1-Dichloroethene
Concen: 0.114 ppbv m
RT: 3.880 min Scan# 392
Delta R.T. 0.007 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion: 96 Resp: 4710
Ion Ratio Lower Upper
96 100
61 116.6 149.6 224.4
98 71.8 51.1 76.7

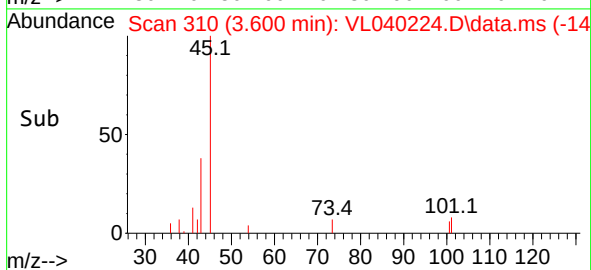
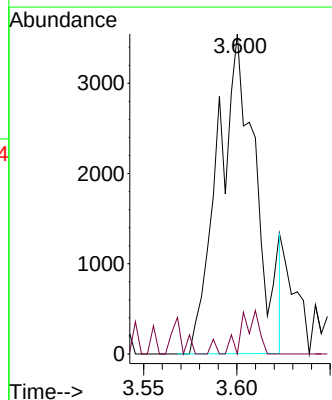
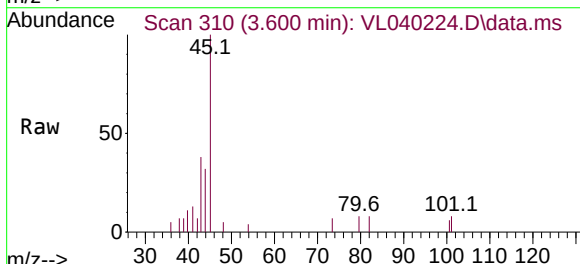
Manual Integrations
APPROVED

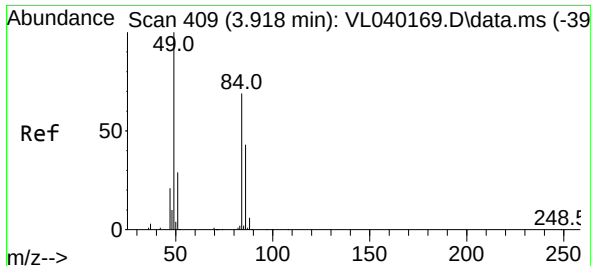
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#19
Isopropyl Alcohol
Concen: 0.115 ppbv m
RT: 3.600 min Scan# 310
Delta R.T. 0.032 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion: 45 Resp: 5047
Ion Ratio Lower Upper
45 100
58 0.0 2.6 3.8#





#20

Methylene Chloride

Concen: 0.269 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.003 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023DL

Tgt Ion: 84 Resp: 12940

Ion Ratio Lower Upper

84 100

49 132.0 115.5 173.3

51 59.3 33.1 49.7

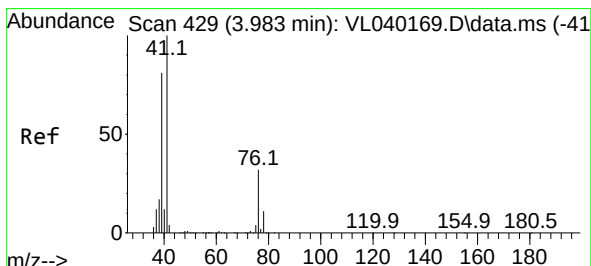
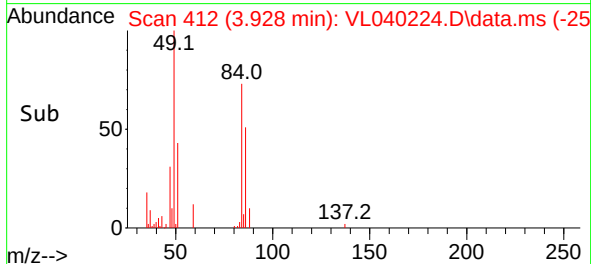
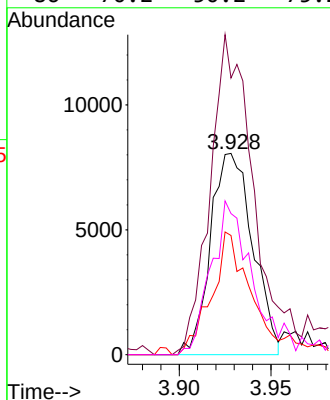
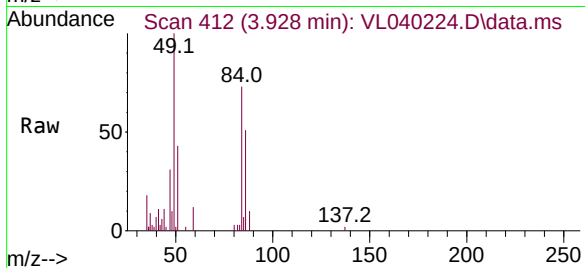
86 70.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#21

Allyl Chloride

Concen: 0.110 ppbv m

RT: 3.989 min Scan# 431

Delta R.T. 0.000 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

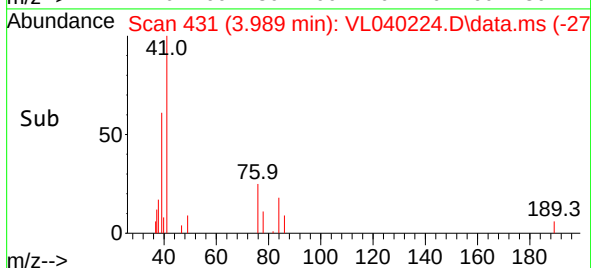
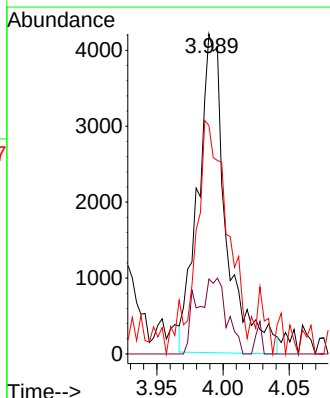
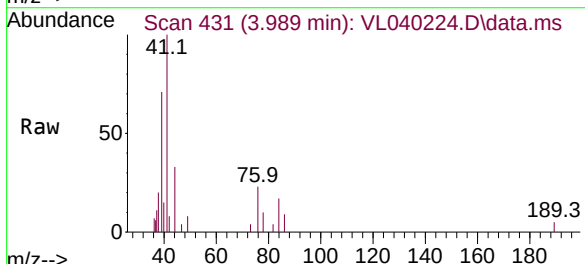
Tgt Ion: 41 Resp: 6253

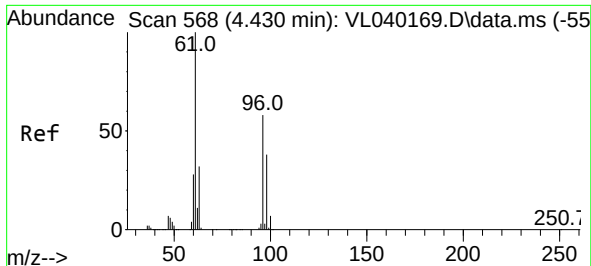
Ion Ratio Lower Upper

41 100

76 24.7 25.5 38.3

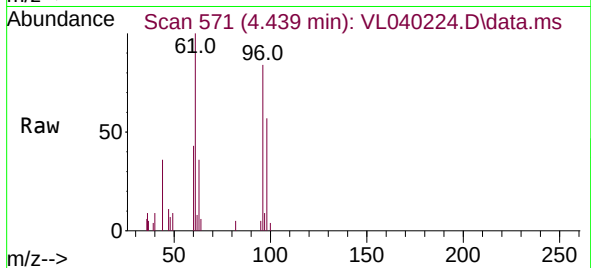
39 96.4 64.5 96.7





#22
trans-1,2-Dichloroethene
Concen: 0.115 ppbv m
RT: 4.439 min Scan# 519
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

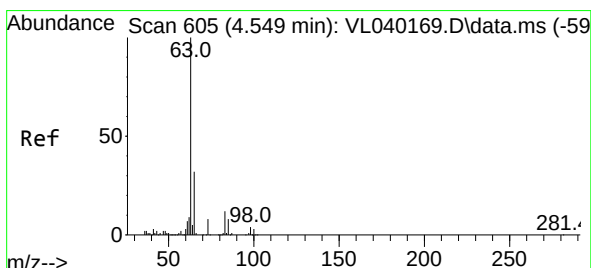
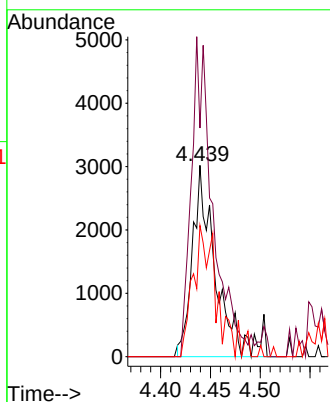
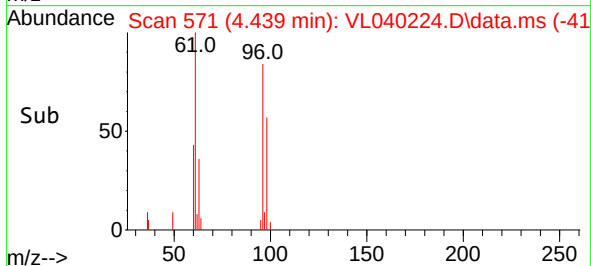
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



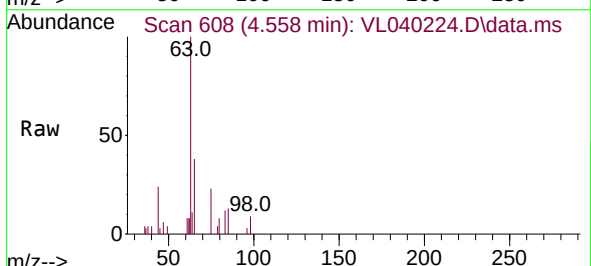
Tgt Ion: 96 Resp: 4919
Ion Ratio Lower Upper
96 100
61 119.5 137.5 206.3#
98 68.5 52.8 79.2

Manual Integrations
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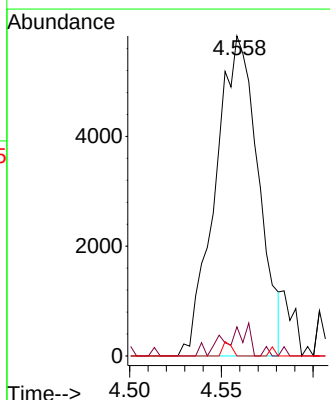
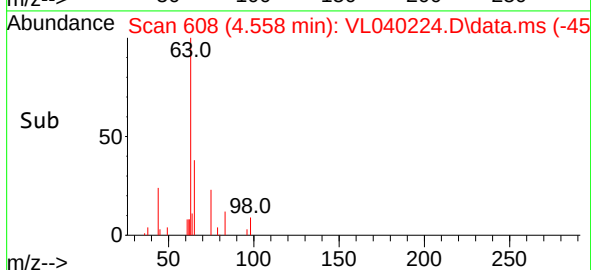
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

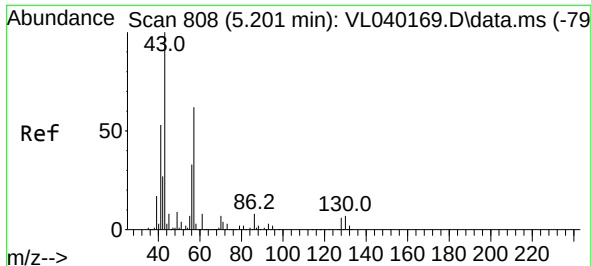


#24
1,1-Dichloroethane
Concen: 0.108 ppbv
RT: 4.558 min Scan# 608
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



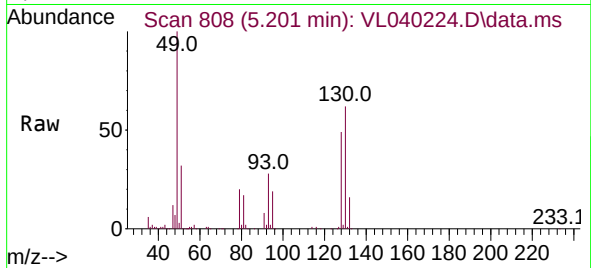
Tgt Ion: 63 Resp: 9511
Ion Ratio Lower Upper
63 100
98 8.2 2.3 6.8#
100 0.0 1.4 4.0#





#26
Hexane
Concen: 0.095 ppbv m
RT: 5.201 min Scan# 808
Delta R.T. -0.010 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

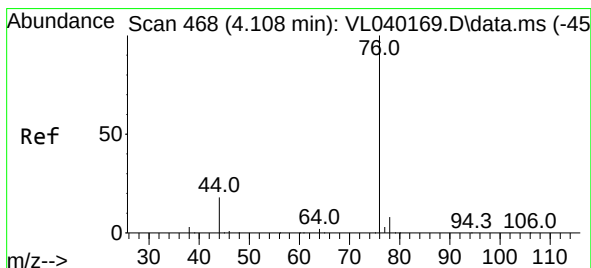
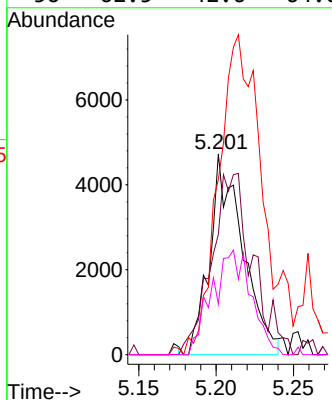
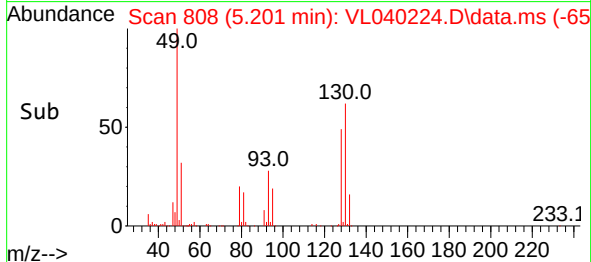
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion: 57 Resp: 7019
Ion Ratio Lower Upper
57 100
41 115.9 74.3 111.5#
43 212.7 193.0 289.4#
56 62.5 42.6 64.0#

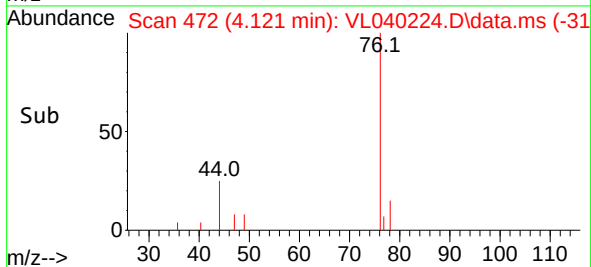
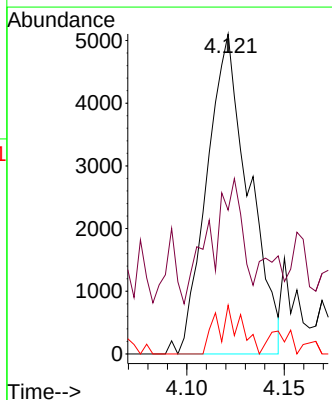
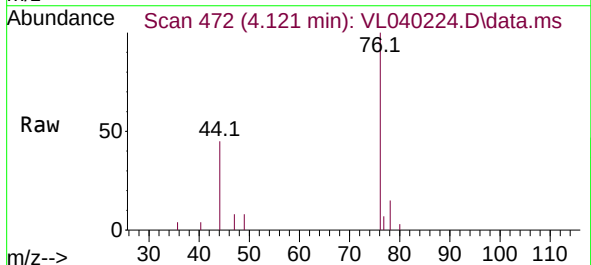
Manual Integrations
APPROVED

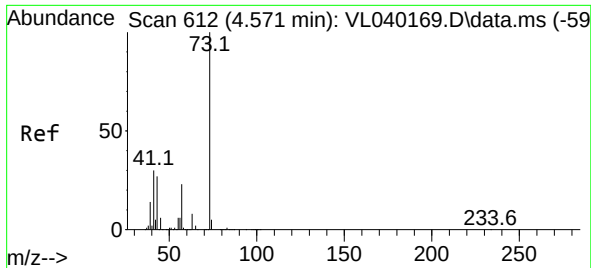
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#27
Carbon Disulfide
Concen: 0.081 ppbv
RT: 4.121 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion: 76 Resp: 7601
Ion Ratio Lower Upper
76 100
44 52.6 15.3 22.9#
78 12.5 7.7 11.5#





#28

Methyl tert-Butyl Ether

Concen: 0.094 ppbv m

RT: 4.607 min Scan# 612

Delta R.T. 0.026 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023DL

Tgt Ion: 73 Resp: 746

Ion Ratio Lower Upper

73 100

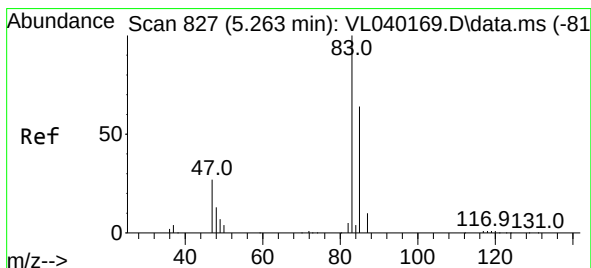
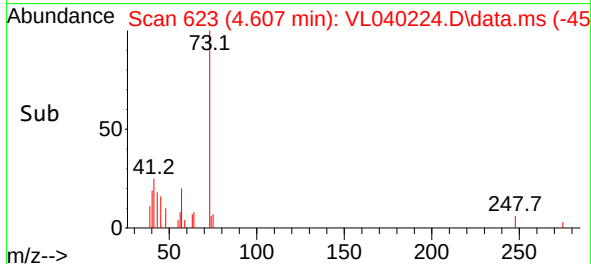
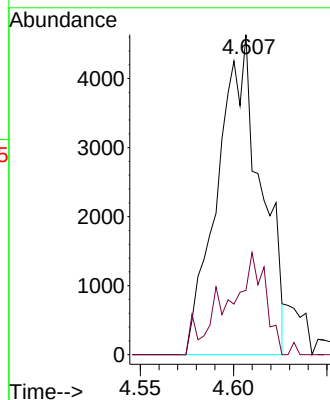
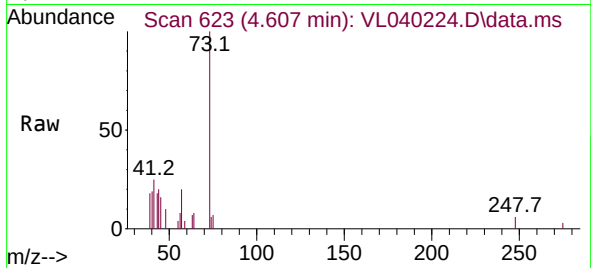
57 0.0 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#29

Chloroform

Concen: 0.111 ppbv

RT: 5.263 min Scan# 827

Delta R.T. -0.010 min

Lab File: VL040224.D

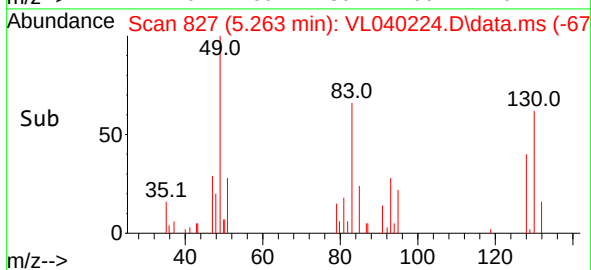
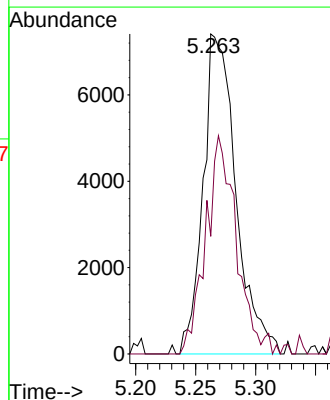
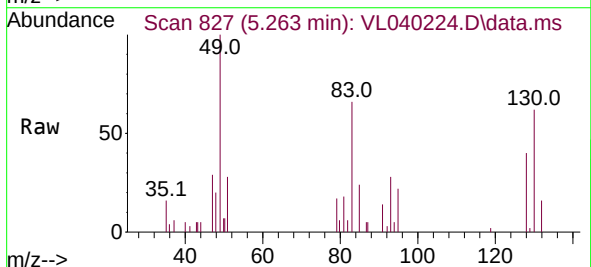
Acq: 23 Feb 2023 15:41

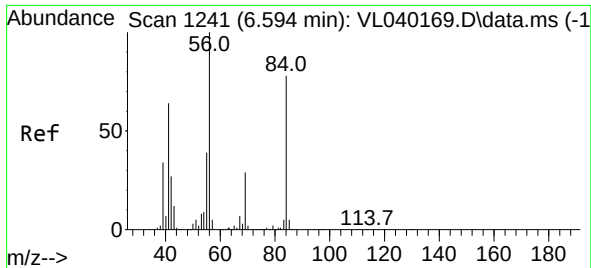
Tgt Ion: 83 Resp: 14100

Ion Ratio Lower Upper

83 100

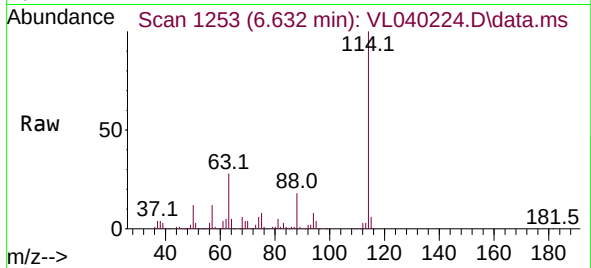
85 36.8 51.5 77.3





#30
Cyclohexane
Concen: 0.080 ppbv m
RT: 6.632 min Scan# 1253
Delta R.T. 0.032 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

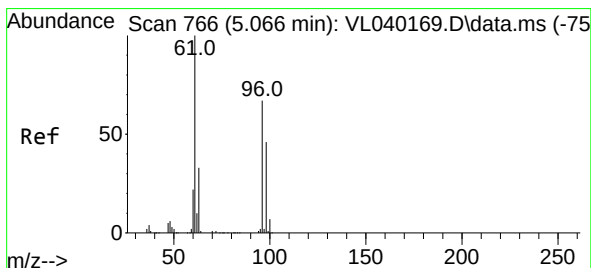
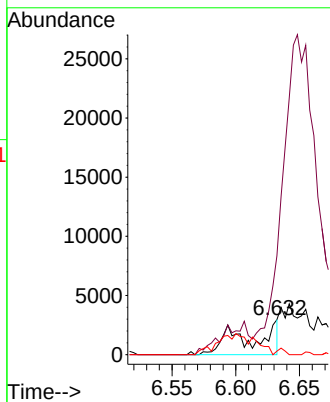
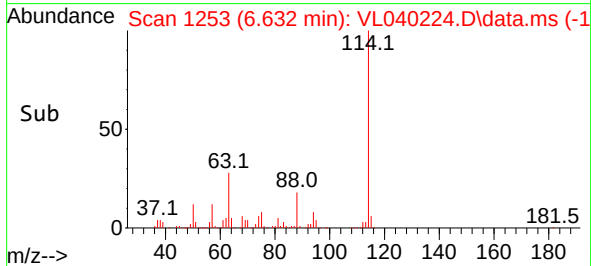
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion: 84 Resp: 466
Ion Ratio Lower Upper
84 100
56 0.0 109.9 164.9
41 85.2 67.8 101.6

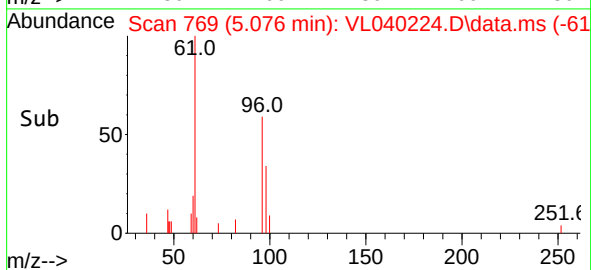
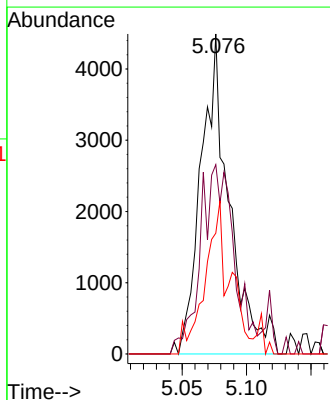
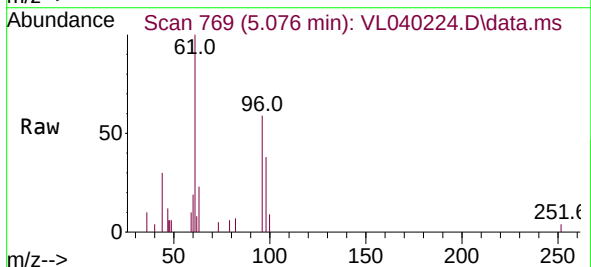
Manual Integrations
APPROVED

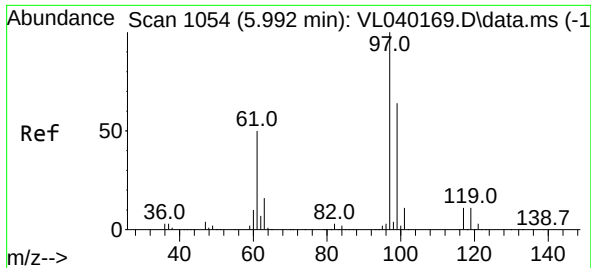
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#31
cis-1,2-Dichloroethene
Concen: 0.097 ppbv m
RT: 5.076 min Scan# 769
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

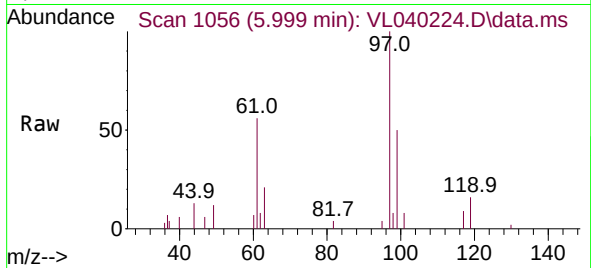
Tgt Ion: 61 Resp: 6822
Ion Ratio Lower Upper
61 100
96 59.1 53.7 80.5
98 37.7 36.4 54.6





#32
1,1,1-Trichloroethane
Concen: 0.085 ppbv
RT: 5.999 min Scan# 1054
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

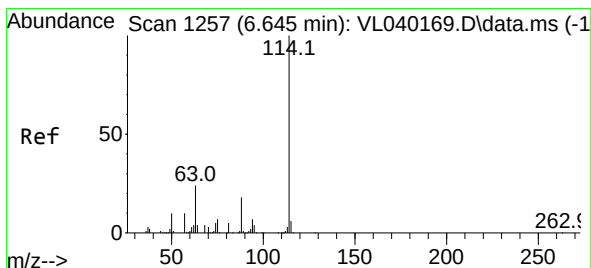
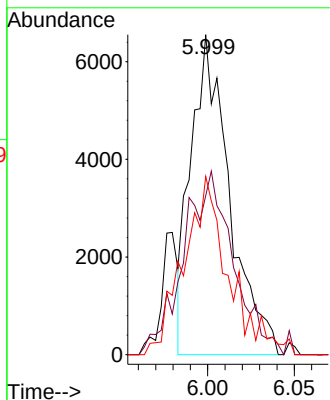
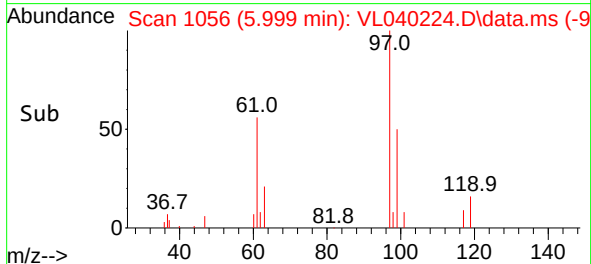
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



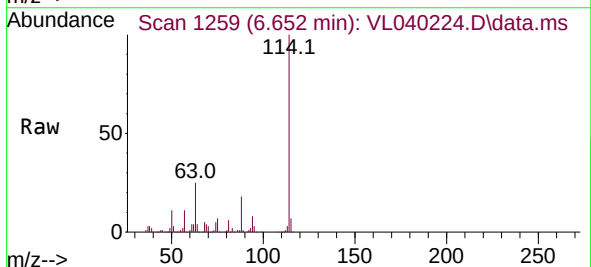
Tgt Ion: 97 Resp: 10134
Ion Ratio Lower Upper
97 100
99 74.9 51.5 77.3
61 64.6 40.6 60.8

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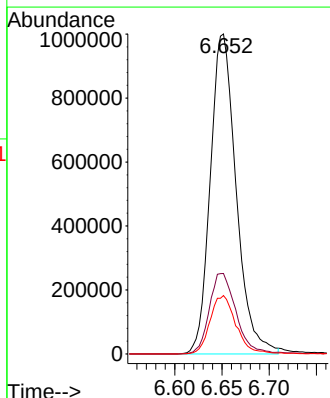
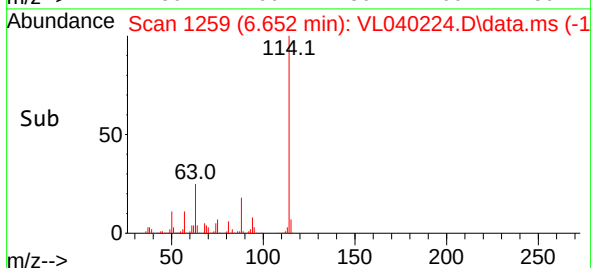
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

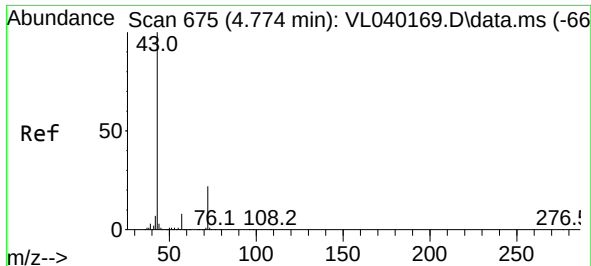


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



Tgt Ion:114 Resp: 1905978
Ion Ratio Lower Upper
114 100
63 26.4 20.4 30.6
88 18.5 14.3 21.5





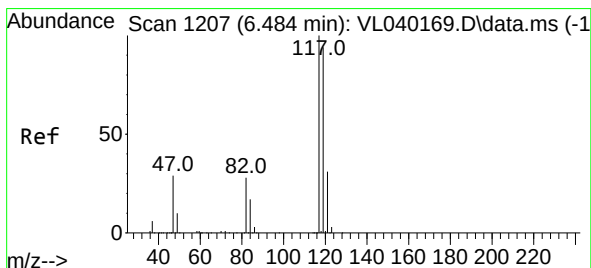
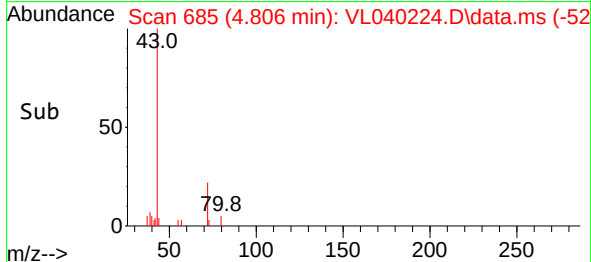
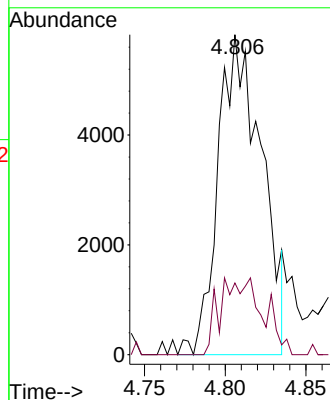
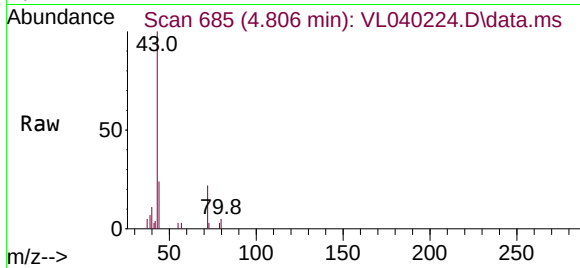
#34
2-Butanone
Concen: 0.116 ppbv m
RT: 4.806 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion: 43 Resp: 10924
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8

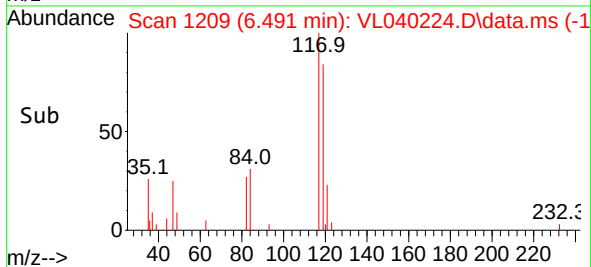
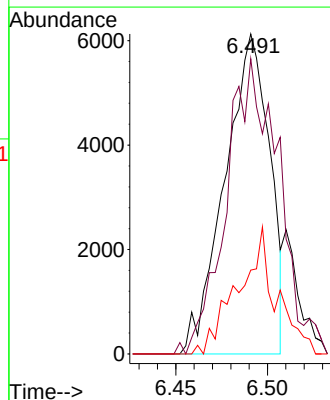
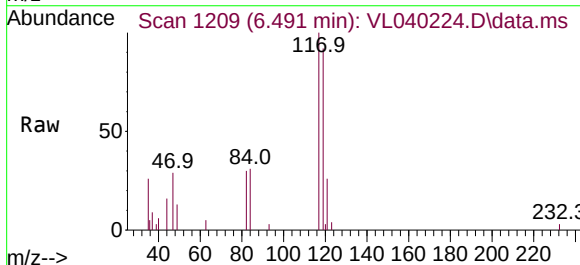
Manual Integrations
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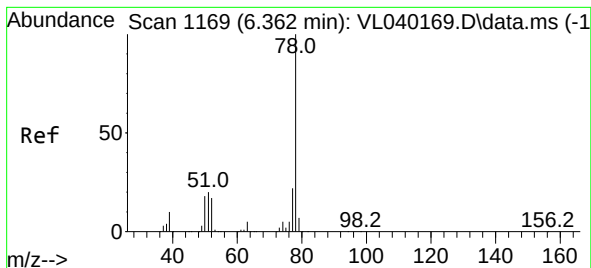
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#35
Carbon Tetrachloride
Concen: 0.092 ppbv
RT: 6.491 min Scan# 1209
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion:117 Resp: 10391
Ion Ratio Lower Upper
117 100
119 88.7 75.0 112.6
121 26.2 25.0 37.4





#36

Benzene

Concen: 0.086 ppbv m

RT: 6.372 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

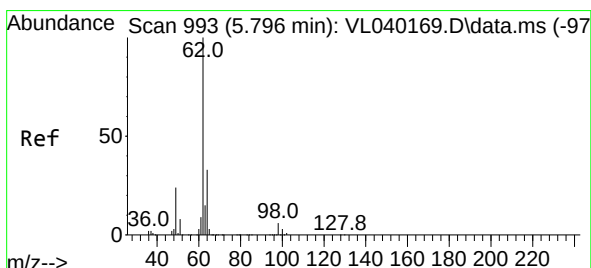
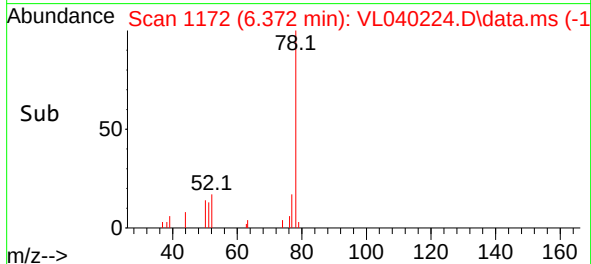
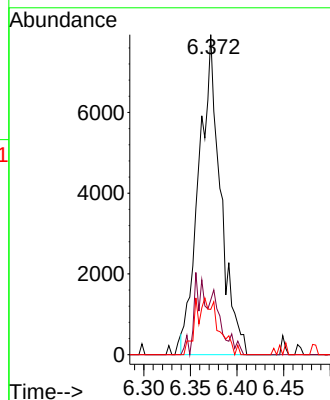
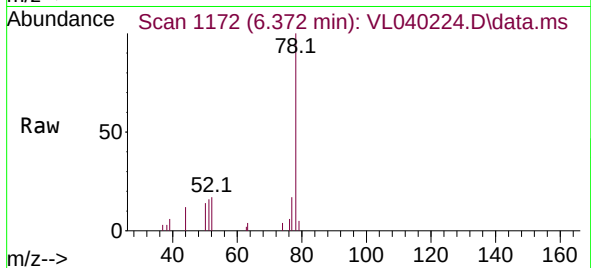
MDL-AIR-03-QT1-2023DL

Tgt Ion: 78 Resp: 12799
 Ion Ratio Lower Upper
 78 100
 77 17.1 17.5 26.3
 50 14.1 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#37

1,2-Dichloroethane

Concen: 0.106 ppbv m

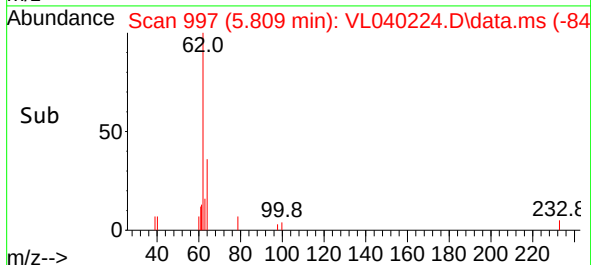
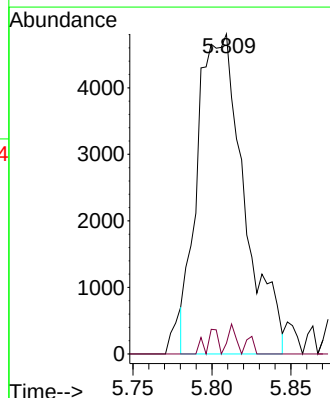
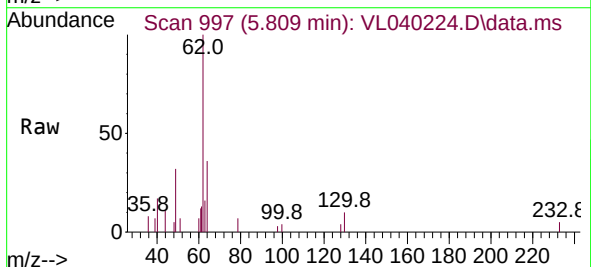
RT: 5.809 min Scan# 997

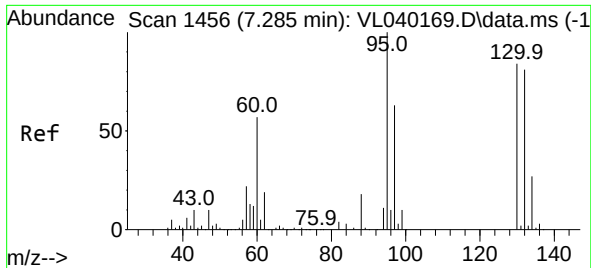
Delta R.T. 0.003 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

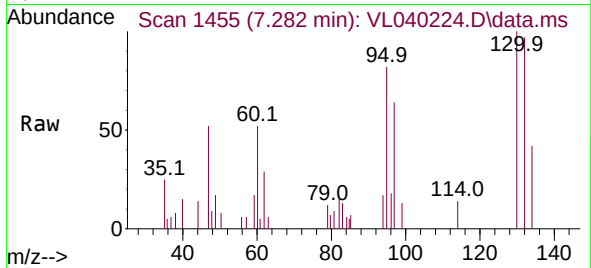
Tgt Ion: 62 Resp: 9812
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.7 7.1





#38
 Trichloroethene
 Concen: 0.044 ppbv
 RT: 7.282 min Scan# 1456
 Delta R.T. -0.010 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

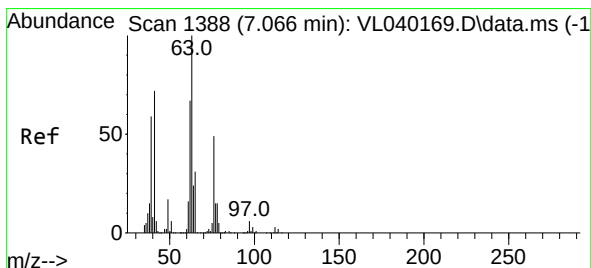
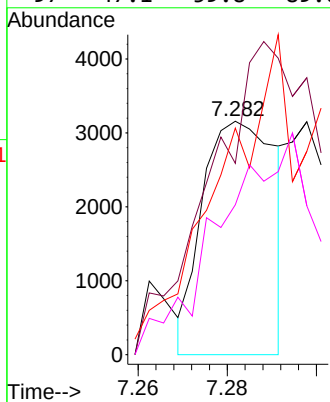
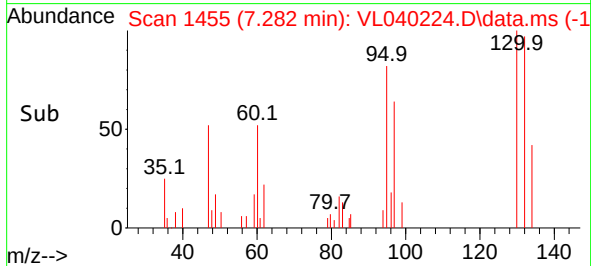
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023DL



Tgt Ion:130 Resp: 358
 Ion Ratio Lower Upper
 130 100
 95 59.9 94.7 142.1
 132 84.4 76.4 114.6
 97 47.1 59.8 89.6#

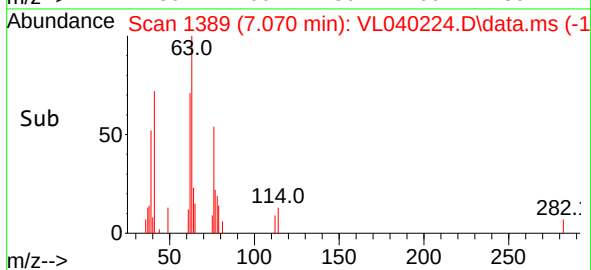
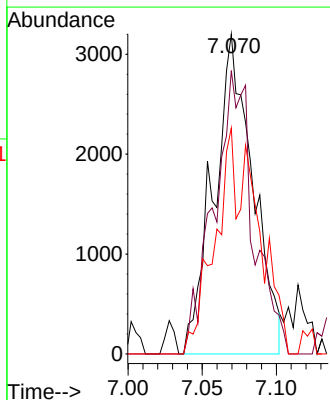
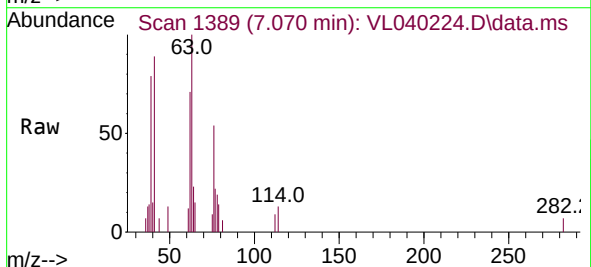
Manual Integrations
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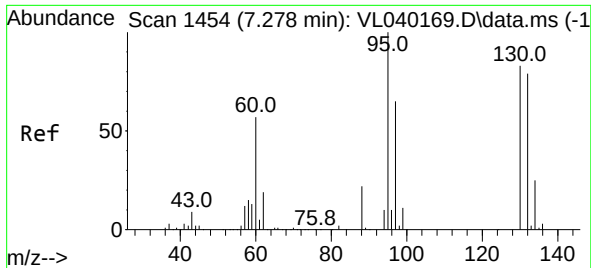
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#39
 1,2-Dichloropropane
 Concen: 0.102 ppbv m
 RT: 7.070 min Scan# 1389
 Delta R.T. -0.006 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

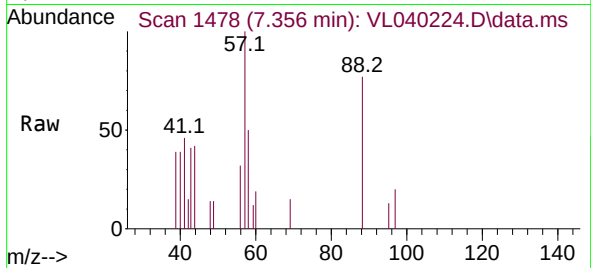
Tgt Ion: 63 Resp: 5866
 Ion Ratio Lower Upper
 63 100
 41 88.5 57.6 86.4#
 62 70.6 54.0 81.0





#40
1,4-Dioxane
Concen: 0.081 ppbv m
RT: 7.356 min Scan# 1454
Delta R.T. 0.068 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

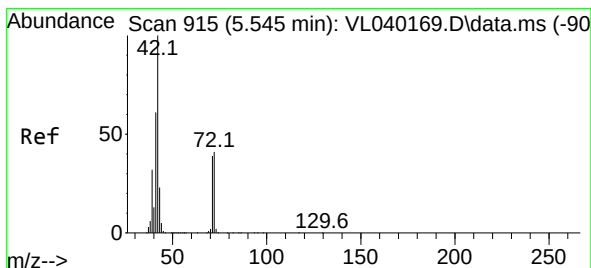
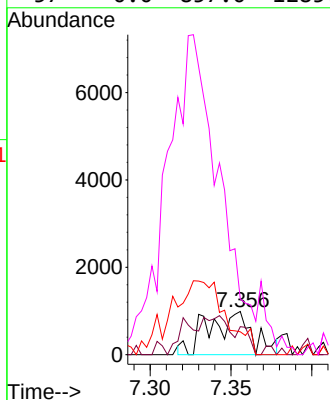
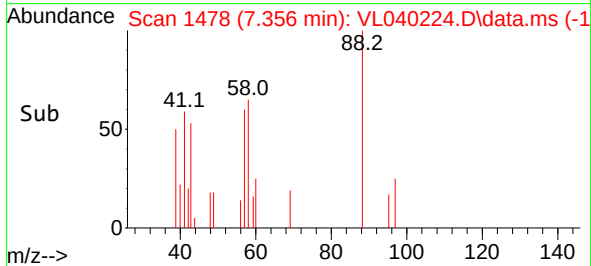
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion: 88 Resp: 1862
Ion Ratio Lower Upper
88 100
58 0.0 97.4 146.0#
43 0.0 193.5 290.3#
57 0.0 857.0 1285.6#

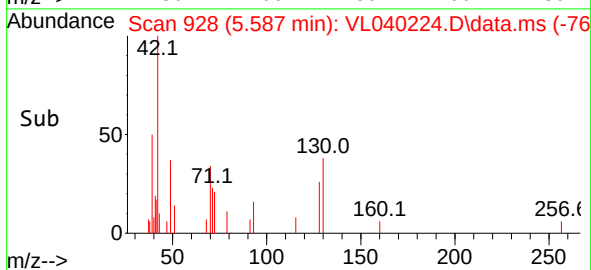
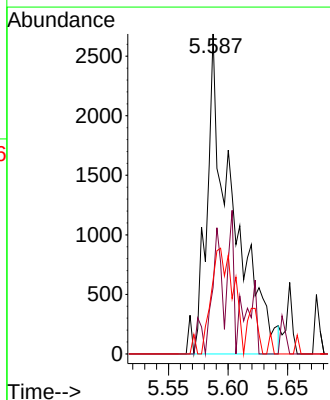
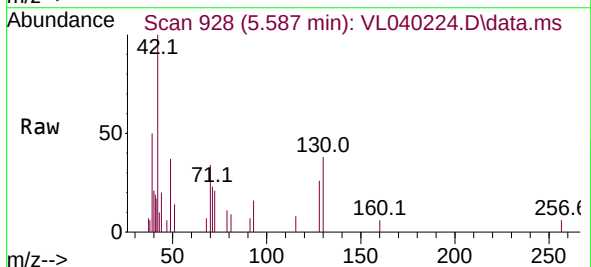
Manual Integrations
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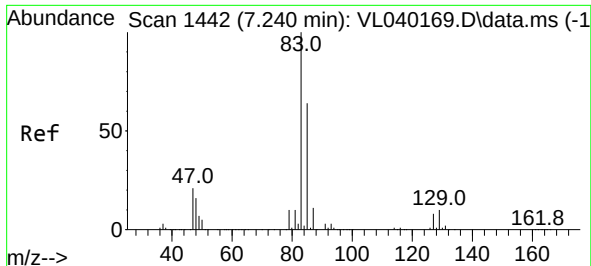
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#41
Tetrahydrofuran
Concen: 0.074 ppbv m
RT: 5.587 min Scan# 928
Delta R.T. 0.032 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion: 42 Resp: 4012
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.4#
71 0.0 31.4 47.2#





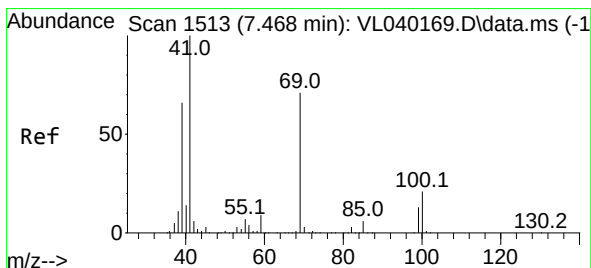
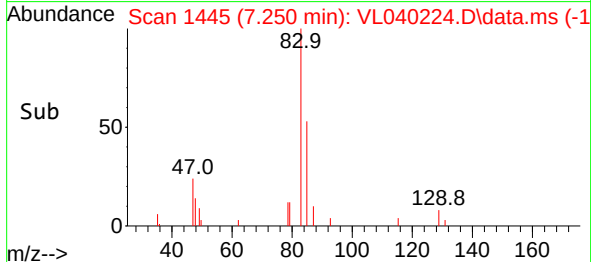
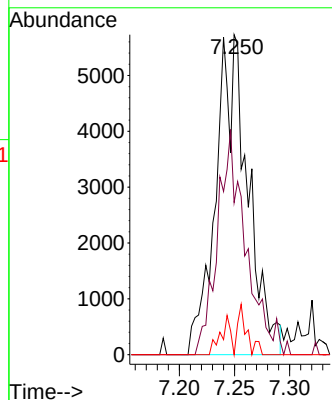
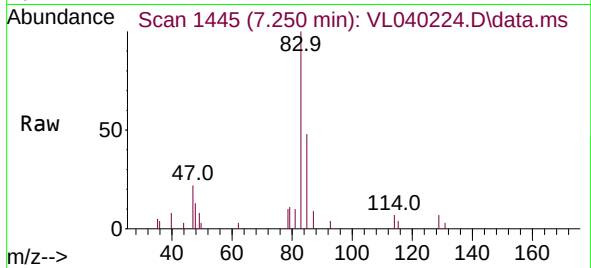
#42
Bromodichloromethane
Concen: 0.091 ppbv m
RT: 7.250 min Scan# 1442
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion: 83 Resp: 1166
Ion Ratio Lower Upper
83 100
85 47.5 50.9 76.3
127 0.0 6.2 9.2

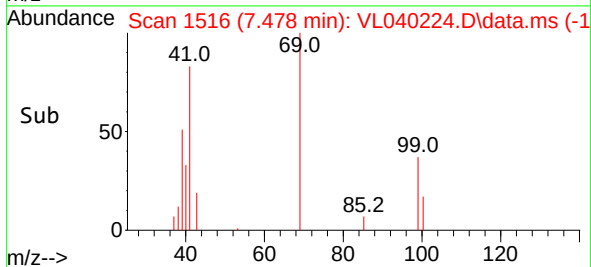
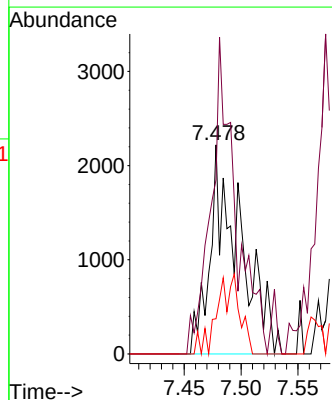
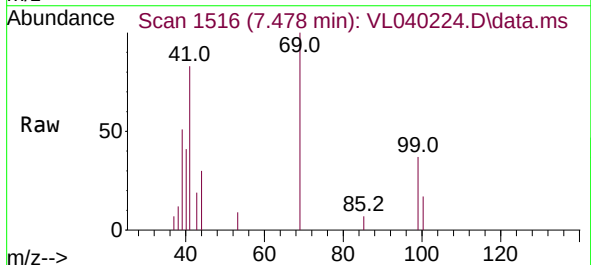
Manual Integrations
APPROVED

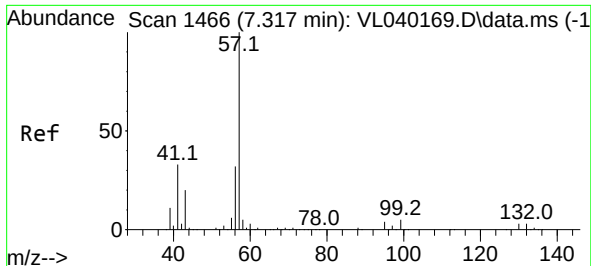
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#43
Methyl Methacrylate
Concen: 0.075 ppbv m
RT: 7.478 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion: 69 Resp: 4100
Ion Ratio Lower Upper
69 100
41 128.4 116.6 174.8
100 0.0 25.6 38.4





#44

2,2,4-Trimethylpentane

Concen: 0.069 ppbv m

RT: 7.327 min Scan# 1466

Delta R.T. -0.003 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

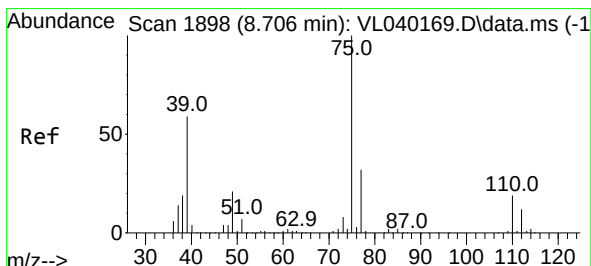
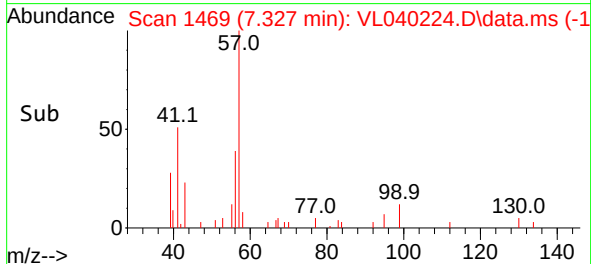
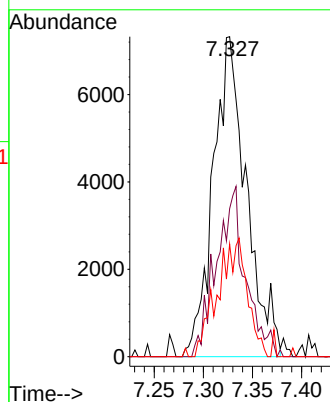
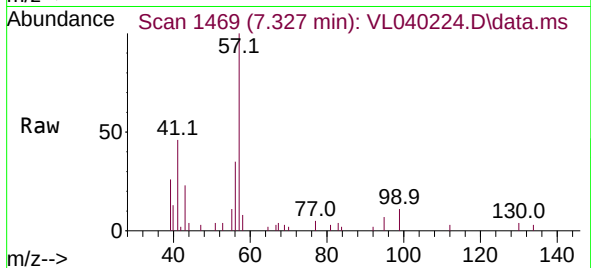
MDL-AIR-03-QT1-2023DL

Tgt Ion:	57	Resp:	1718
Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.2	39.4
56	0.0	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#45

t-1,3-Dichloropropene

Concen: 0.059 ppbv m

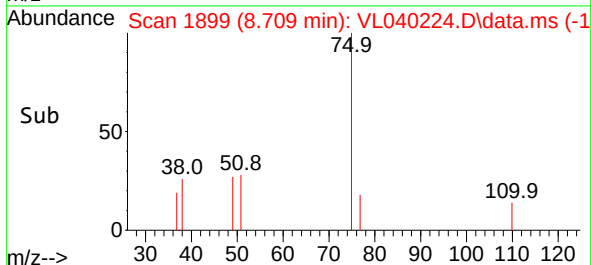
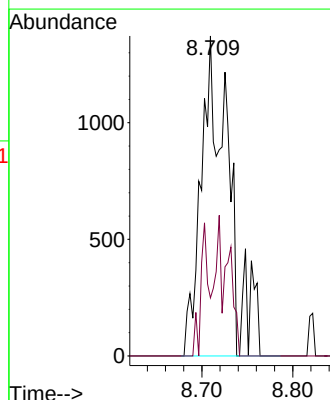
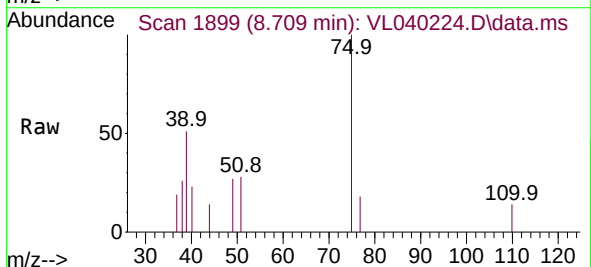
RT: 8.709 min Scan# 1899

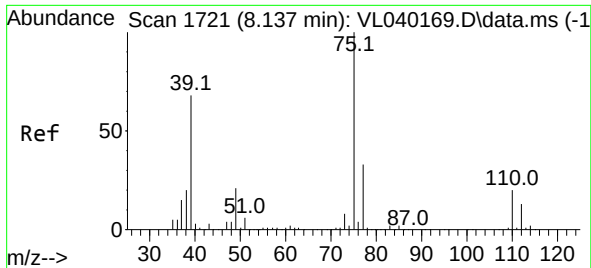
Delta R.T. -0.006 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

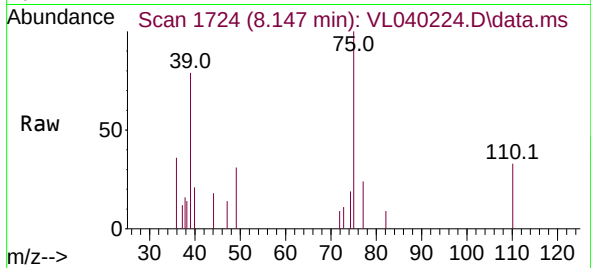
Tgt Ion:	75	Resp:	2870
Ion	Ratio	Lower	Upper
75	100		
77	18.1	25.7	38.5





#46
 cis-1,3-Dichloropropene
 Concen: 0.059 ppbv m
 RT: 8.147 min Scan# 1721
 Delta R.T. 0.000 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

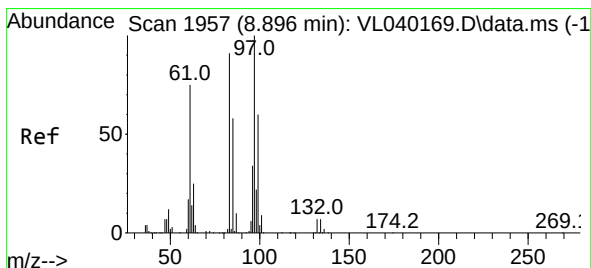
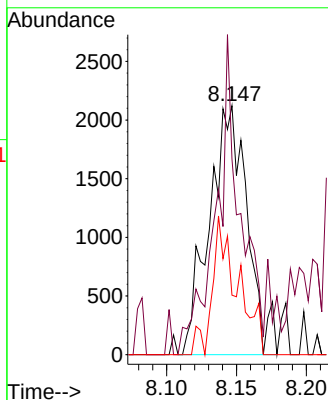
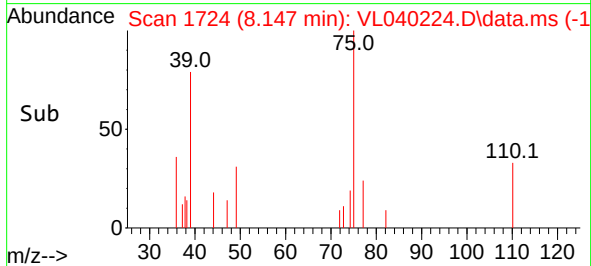
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023DL



Tgt Ion: 75 Resp: 4028
 Ion Ratio Lower Upper
 75 100
 39 78.7 54.2 81.2
 77 23.9 26.0 39.0

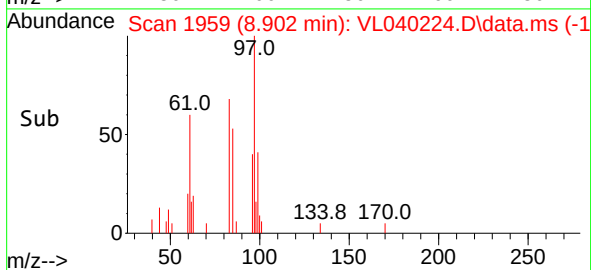
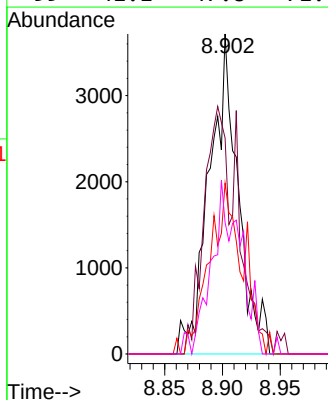
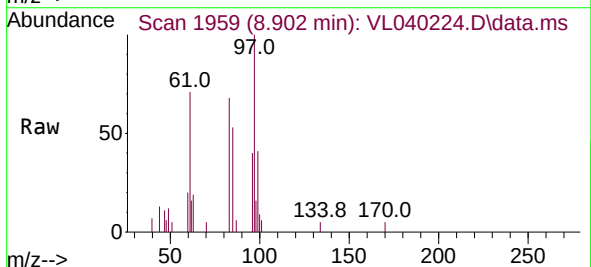
Manual Integrations
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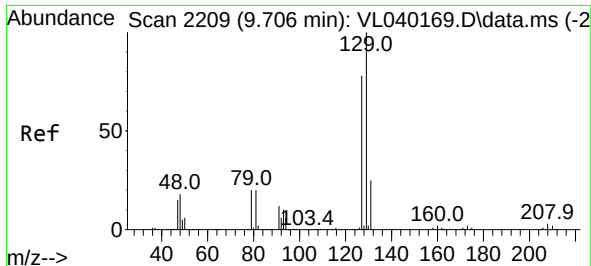
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#47
 1,1,2-Trichloroethane
 Concen: 0.102 ppbv m
 RT: 8.902 min Scan# 1959
 Delta R.T. -0.003 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

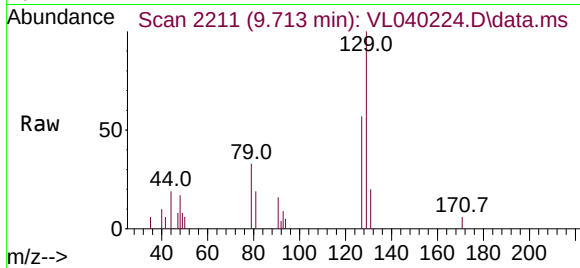
Tgt Ion: 97 Resp: 6384
 Ion Ratio Lower Upper
 97 100
 83 67.5 72.8 109.2#
 85 53.3 46.6 69.8
 99 41.1 47.8 71.6#





#48
 Dibromochloromethane
 Concen: 0.072 ppbv m
 RT: 9.713 min Scan# 2211
 Delta R.T. -0.003 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

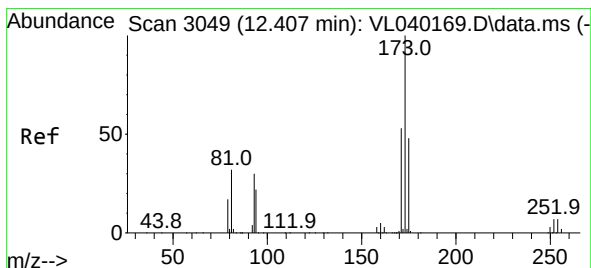
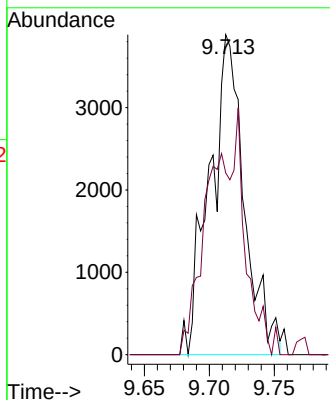
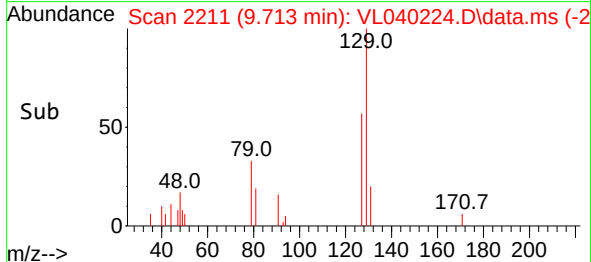
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023DL



Tgt Ion:129 Resp: 7219
 Ion Ratio Lower Upper
 129 100
 127 80.0 39.1 117.2

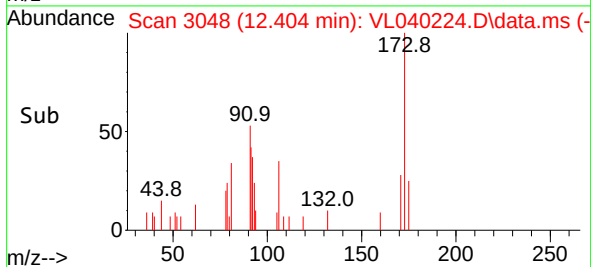
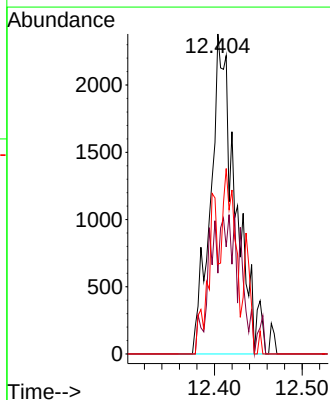
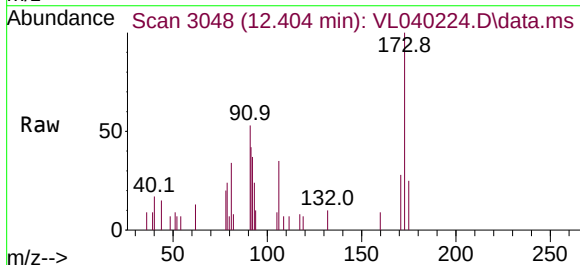
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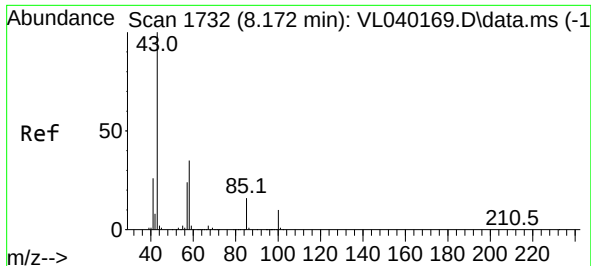
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#49
 Bromoform
 Concen: 0.062 ppbv m
 RT: 12.404 min Scan# 3048
 Delta R.T. -0.010 min
 Lab File: VL040224.D
 Acq: 23 Feb 2023 15:41

Tgt Ion:173 Resp: 4810
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.4 59.0#
 171 0.0 41.8 62.6#





#50

4-Methyl-2-Pentanone

Concen: 0.071 ppbv m

RT: 8.214 min Scan# 11

Delta R.T. 0.032 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023DL

Tgt Ion: 43 Resp: 10344

Ion Ratio Lower Upper

43 100

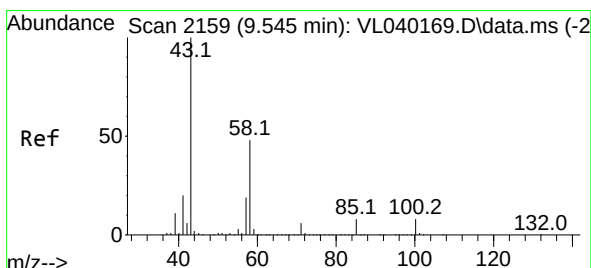
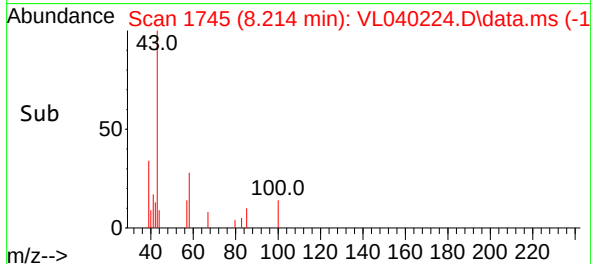
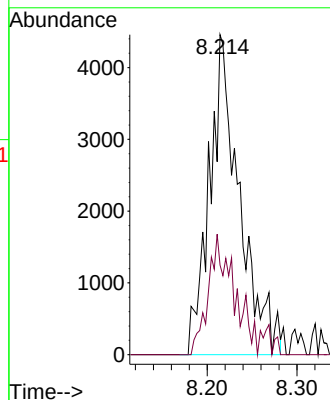
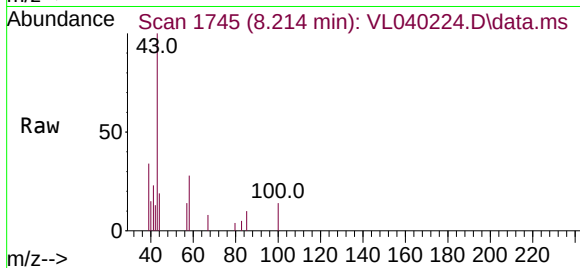
58 0.0 29.2 43.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#51

2-Hexanone

Concen: 0.059 ppbv m

RT: 9.603 min Scan# 2177

Delta R.T. 0.048 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

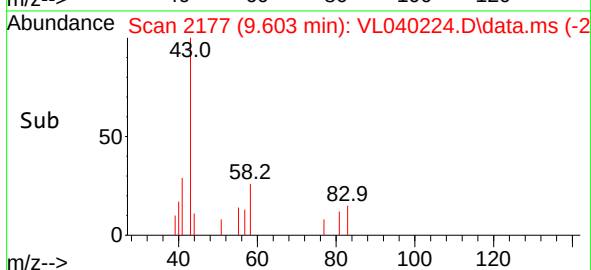
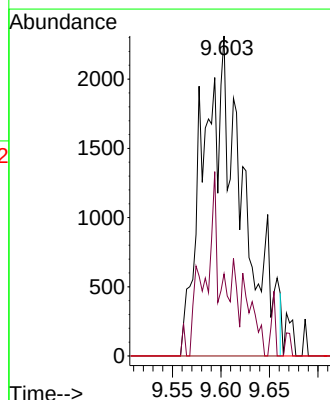
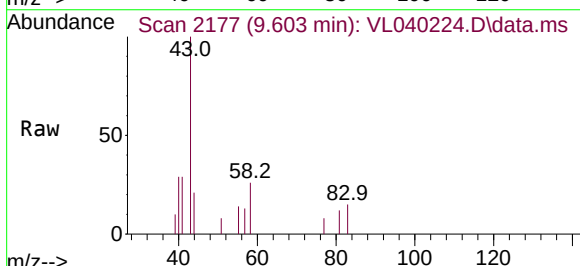
Tgt Ion: 43 Resp: 6636

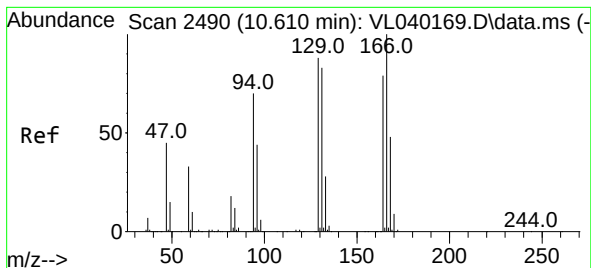
Ion Ratio Lower Upper

43 100

58 0.0 39.1 58.7#

98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.096 ppbv m

RT: 10.613 min Scan# 2490

Delta R.T. -0.006 min

Lab File: VL040224.D

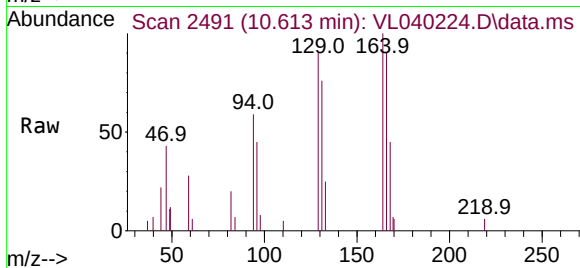
Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023DL

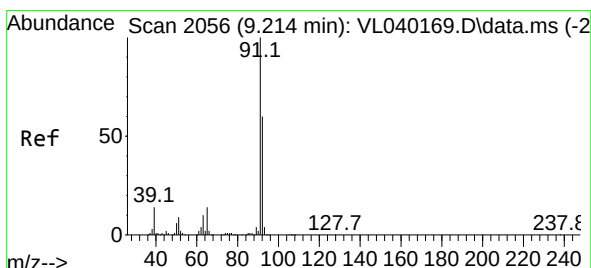
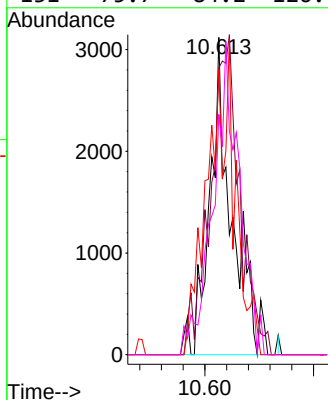
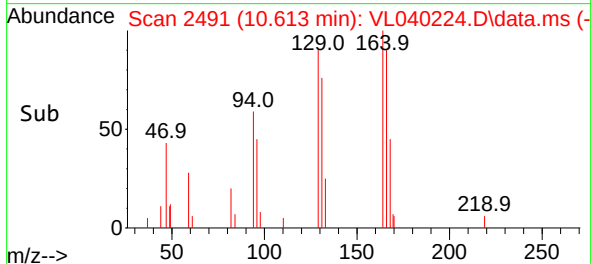


Tgt Ion:	164	Resp:	4469
Ion	Ratio	Lower	Upper
164	100		
166	90.4	101.5	152.3
129	90.0	89.0	133.4
131	75.7	84.2	126.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#53

Toluene

Concen: 0.062 ppbv m

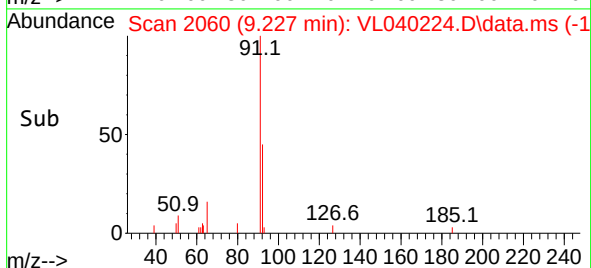
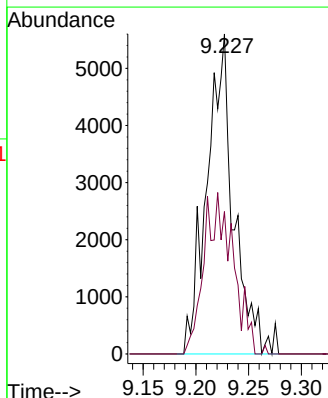
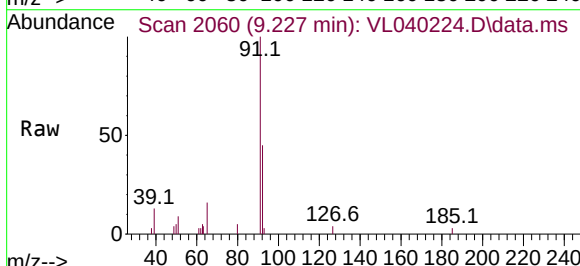
RT: 9.227 min Scan# 2060

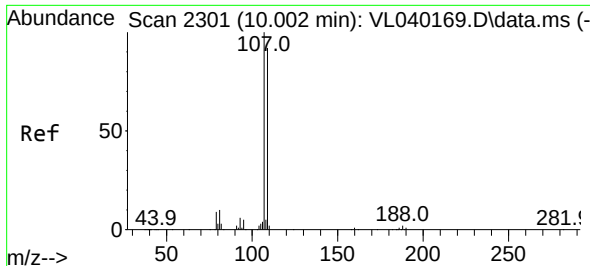
Delta R.T. 0.000 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

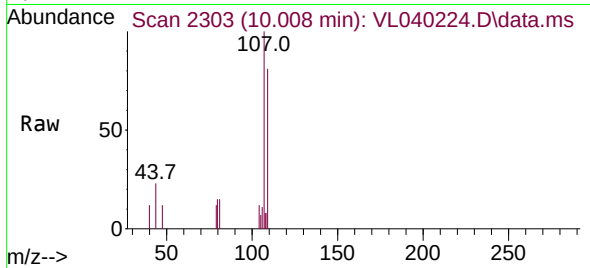
Tgt Ion:	91	Resp:	9925
Ion	Ratio	Lower	Upper
91	100		
92	54.2	48.9	73.3





#54
1,2-Dibromoethane
Concen: 0.076 ppbv m
RT: 10.008 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

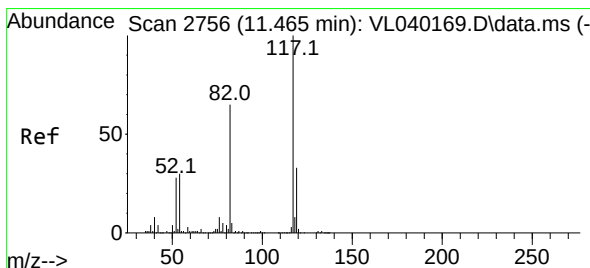
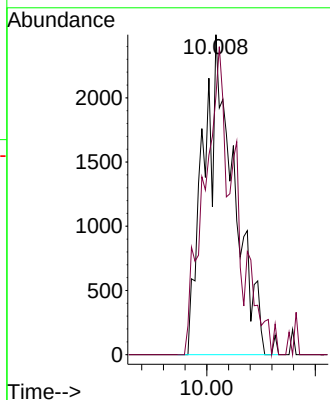
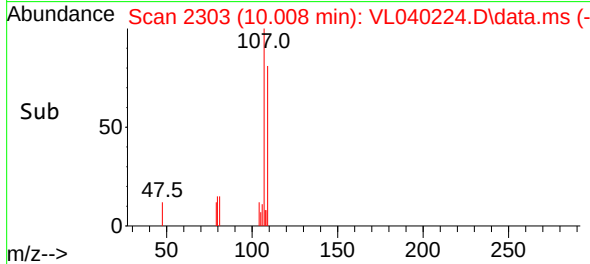
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion:107 Resp: 4910
Ion Ratio Lower Upper
107 100
109 80.9 73.8 110.8

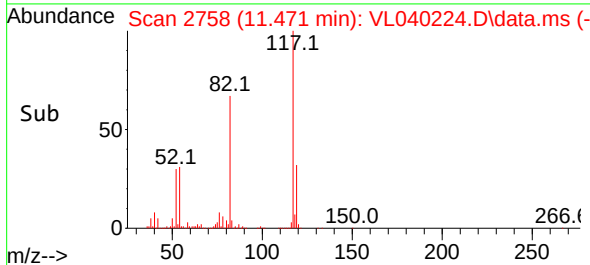
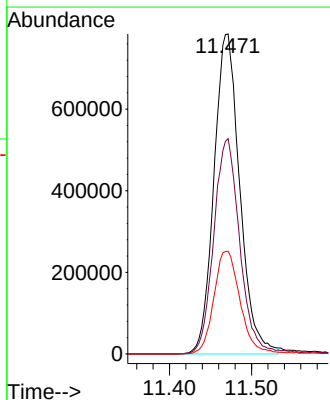
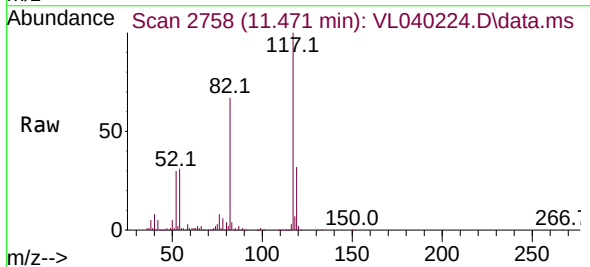
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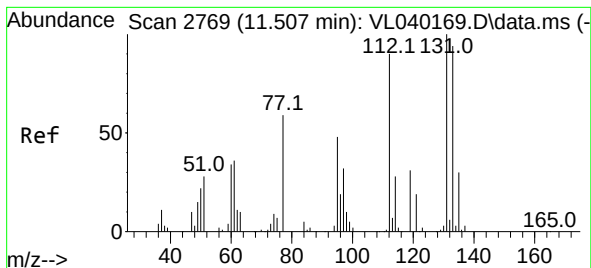
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion:117 Resp: 1713490
Ion Ratio Lower Upper
117 100
82 68.9 53.3 79.9
119 33.0 24.6 37.0





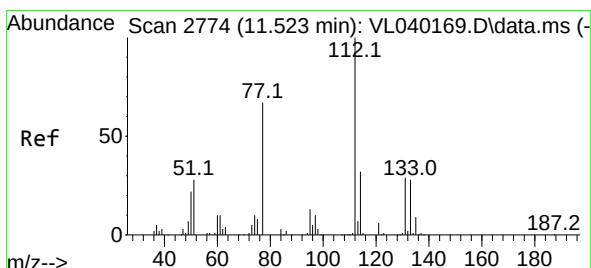
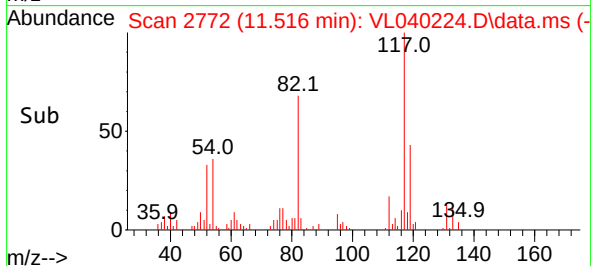
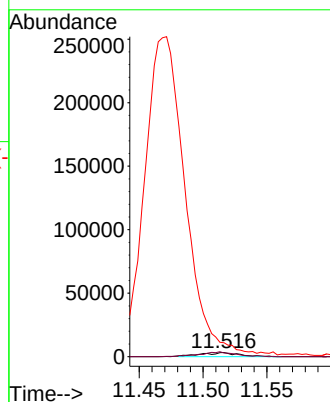
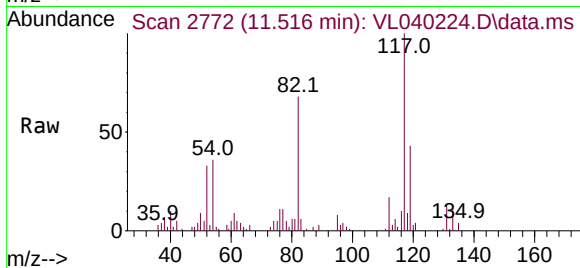
#56
1,1,1,2-Tetrachloroethane
Concen: 0.092 ppbv m
RT: 11.516 min Scan# 2772
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion:131 Resp: 665
Ion Ratio Lower Upper
131 100
133 111.1 76.2 114.2
119 0.0 45.4 68.0

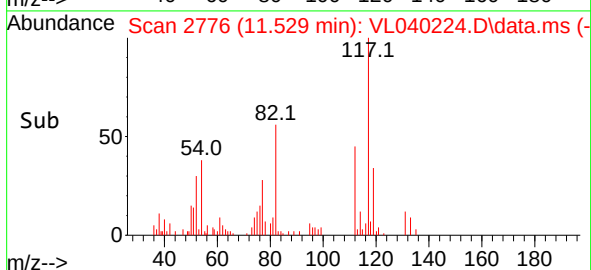
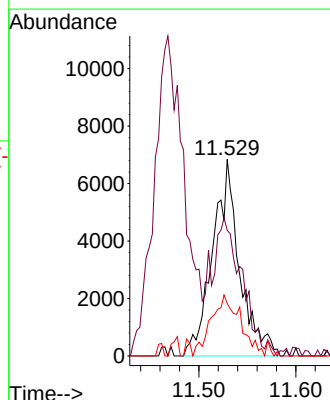
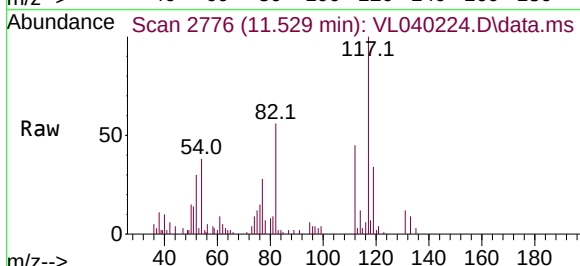
Manual Integrations
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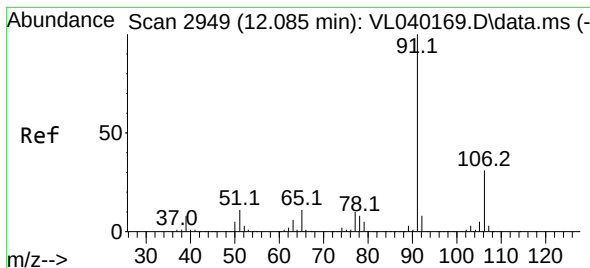
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#57
Chlorobenzene
Concen: 0.106 ppbv m
RT: 11.529 min Scan# 2776
Delta R.T. -0.006 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion:112 Resp: 13217
Ion Ratio Lower Upper
112 100
77 63.9 55.0 82.4
114 26.7 29.0 35.4





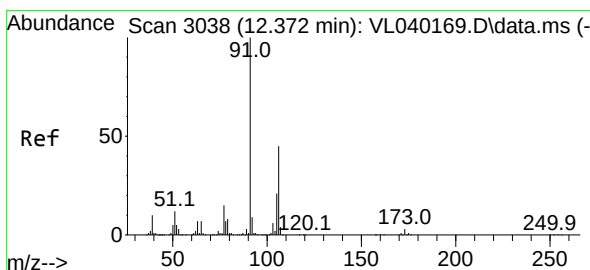
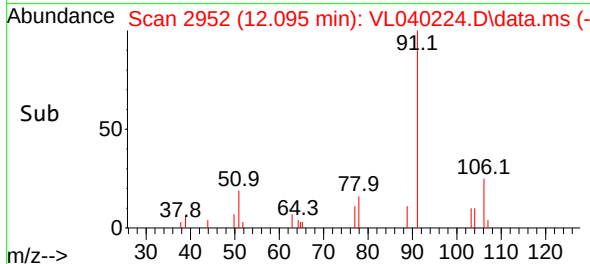
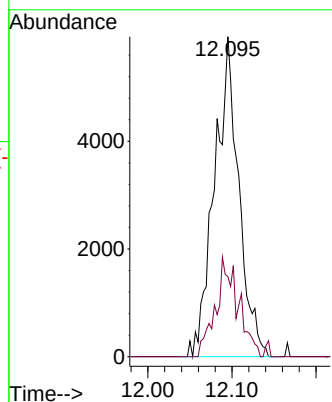
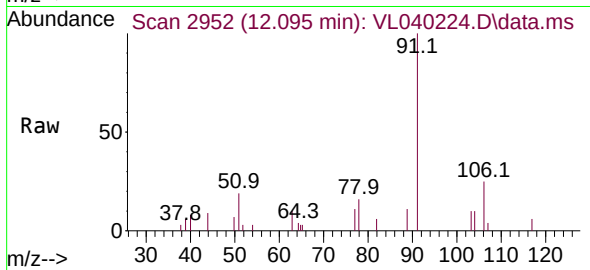
#58
Ethyl Benzene
Concen: 0.057 ppbv m
RT: 12.095 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion: 91 Resp: 11904
Ion Ratio Lower Upper
91 100
106 25.0 24.9 37.3

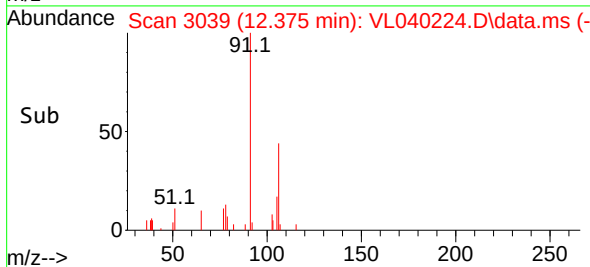
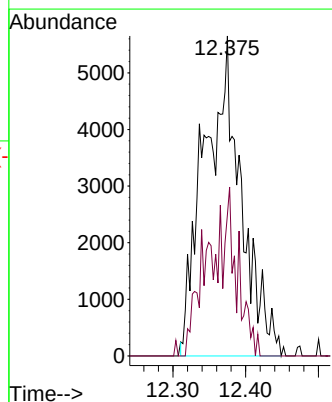
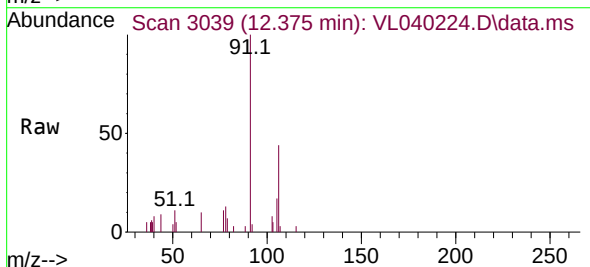
Manual Integrations
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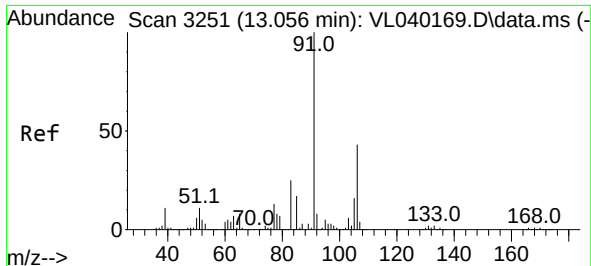
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#59
m/p-Xylene
Concen: 0.107 ppbv m
RT: 12.375 min Scan# 3039
Delta R.T. -0.006 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

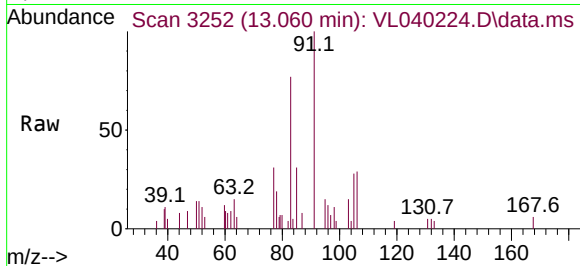
Tgt Ion: 91 Resp: 19716
Ion Ratio Lower Upper
91 100
106 17.6 34.6 51.8#





#60
o-Xylene
Concen: 0.052 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

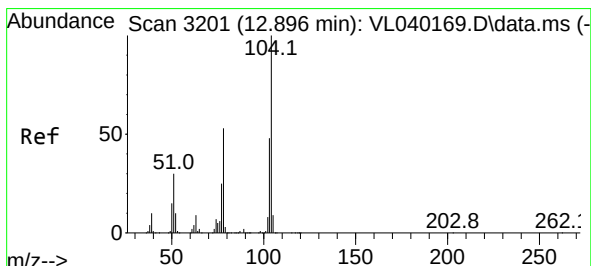
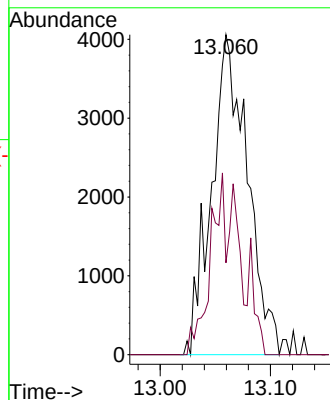
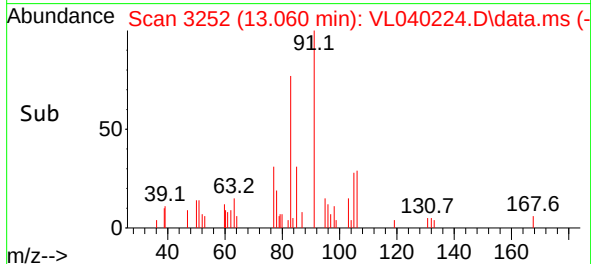
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



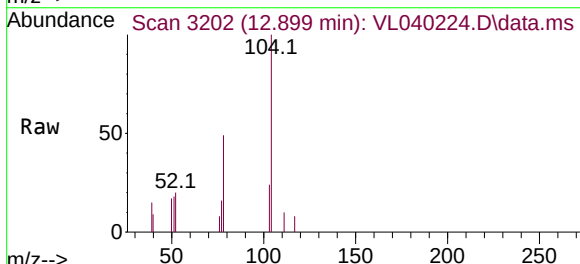
Tgt Ion: 91 Resp: 9190
Ion Ratio Lower Upper
91 100
106 46.4 21.6 65.0

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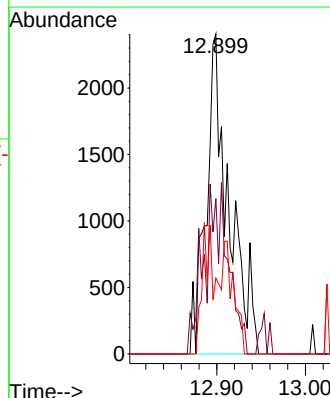
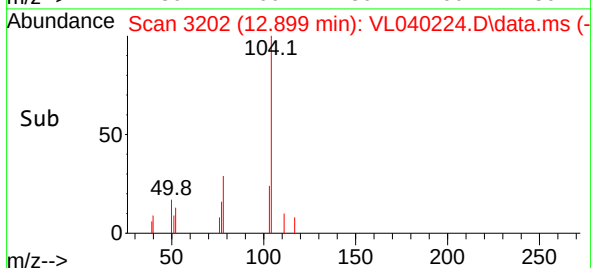
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

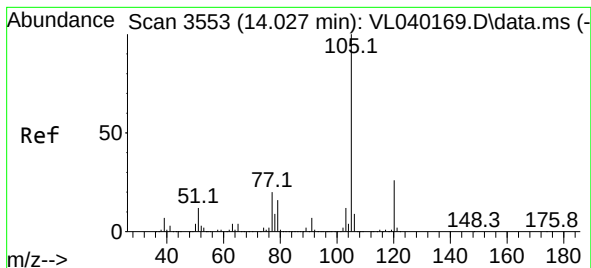


#61
Styrene
Concen: 0.046 ppbv m
RT: 12.899 min Scan# 3202
Delta R.T. -0.006 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



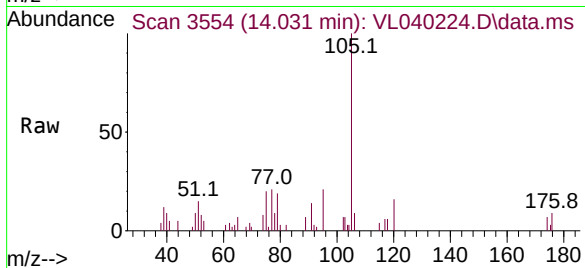
Tgt Ion:104 Resp: 4282
Ion Ratio Lower Upper
104 100
78 56.1 42.3 63.5
103 0.0 37.5 56.3#





#62
Isopropylbenzene
Concen: 0.067 ppbv m
RT: 14.031 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

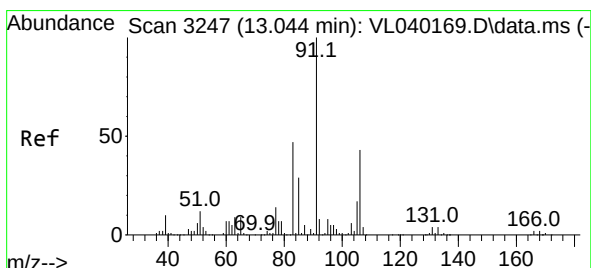
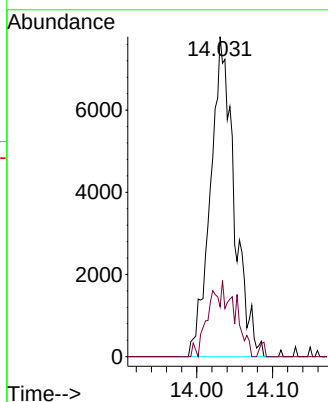
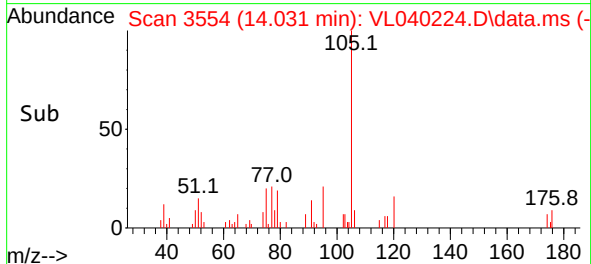
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



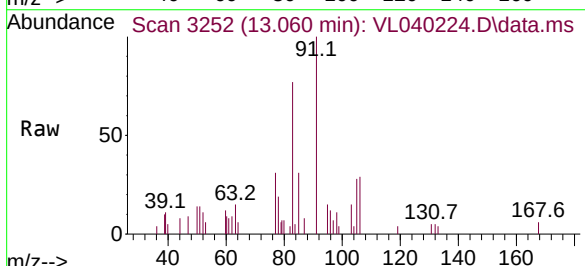
Tgt Ion:105 Resp: 1702
Ion Ratio Lower Upper
105 100
120 26.7 20.3 30.5

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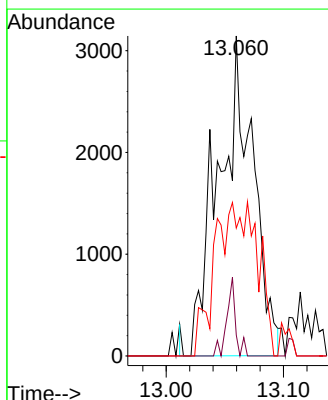
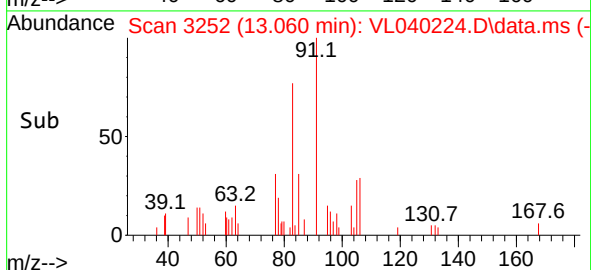
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

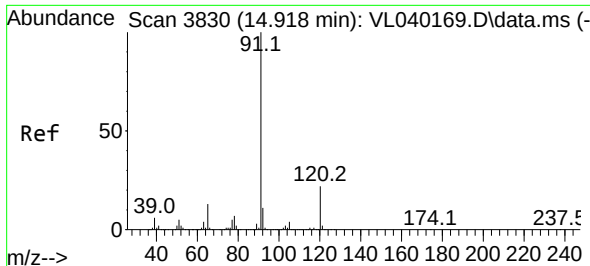


#63
1,1,2,2-Tetrachloroethane
Concen: 0.101 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



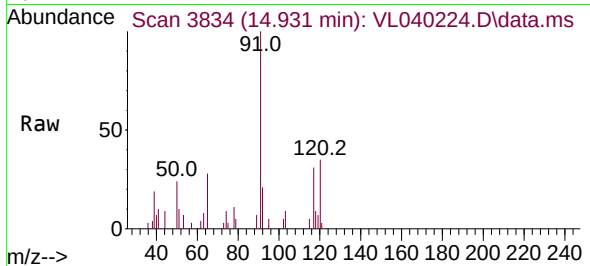
Tgt Ion: 83 Resp: 6427
Ion Ratio Lower Upper
83 100
131 6.2 4.4 13.2
85 0.0 33.0 99.0#





#64
n-propylbenzene
Concen: 0.050 ppbv m
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

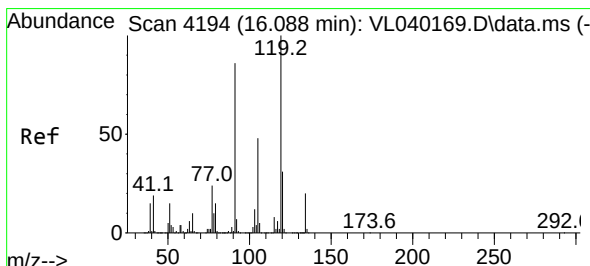
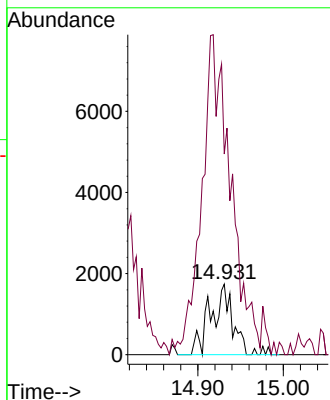
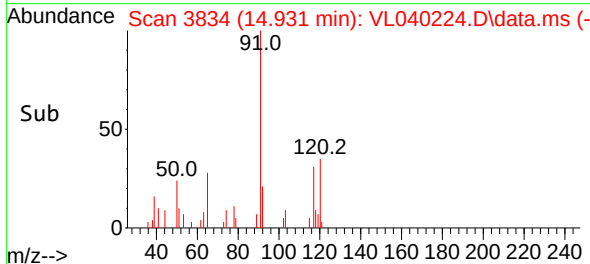
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



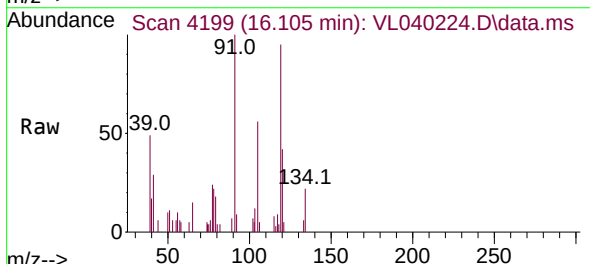
Tgt Ion:120 Resp: 3134
Ion Ratio Lower Upper
120 100
91 0.0 389.8 584.8

Manual Integrations
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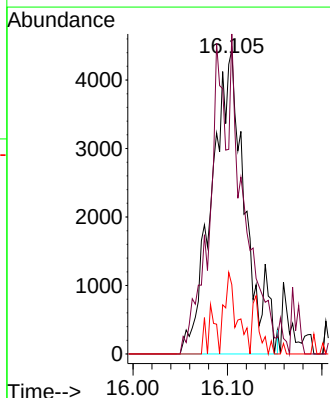
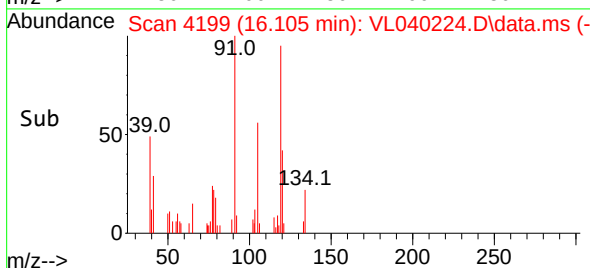
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

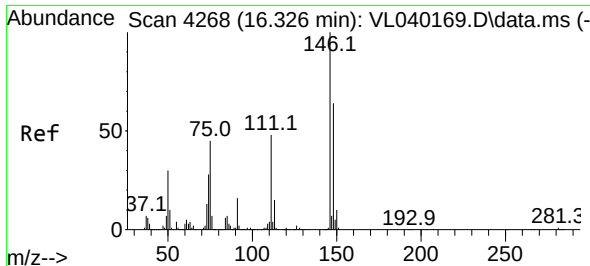


#65
tert-Butylbenzene
Concen: 0.049 ppbv m
RT: 16.105 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



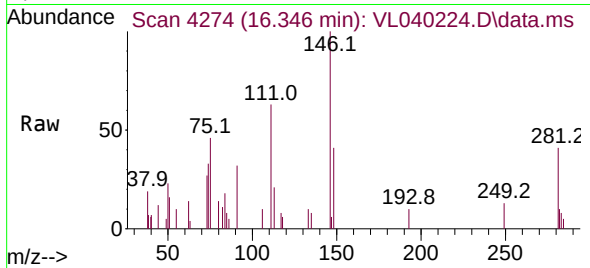
Tgt Ion:119 Resp: 10889
Ion Ratio Lower Upper
119 100
91 0.0 68.6 102.8#
134 0.0 15.9 23.9#





#66
Benzyl Chloride
Concen: 0.073 ppbv m
RT: 16.346 min Scan# 4268
Delta R.T. 0.007 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

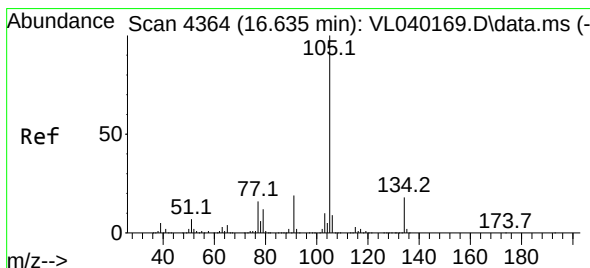
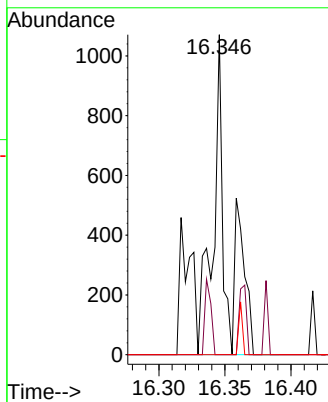
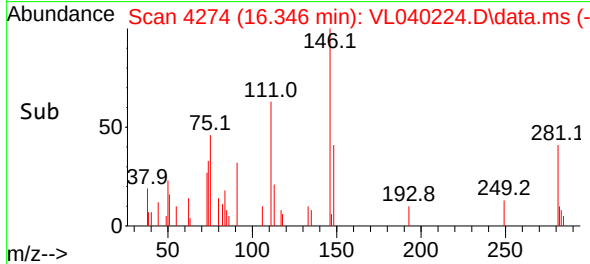
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion: 91 Resp: 1072
Ion Ratio Lower Upper
91 100
126 7.6 13.1 19.7
128 0.0 4.1 6.1

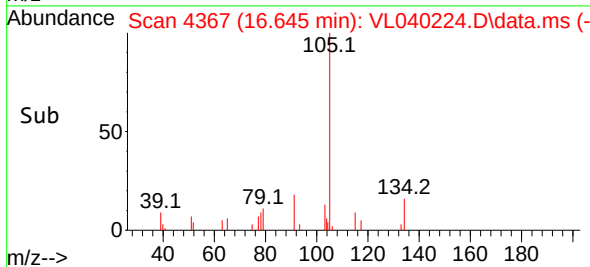
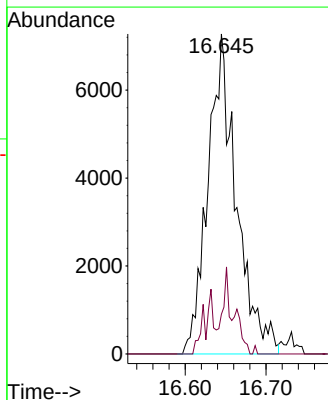
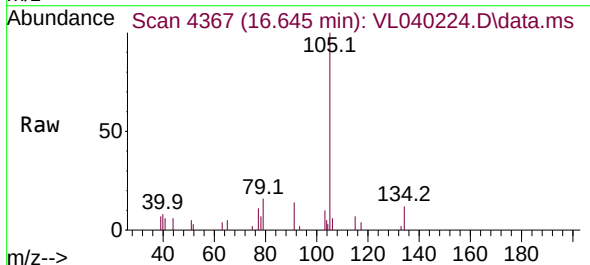
Manual Integrations
APPROVED

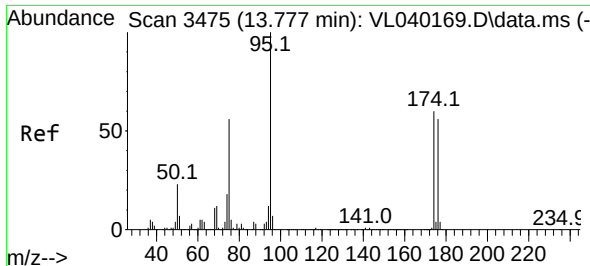
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#67
sec-Butylbenzene
Concen: 0.056 ppbv m
RT: 16.645 min Scan# 4367
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

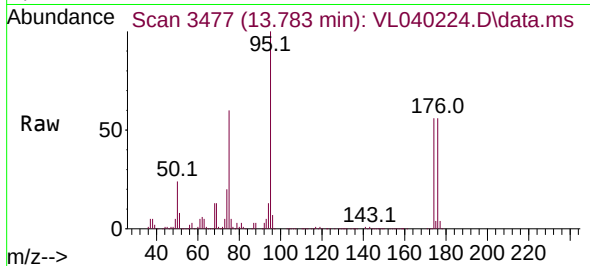
Tgt Ion:105 Resp: 17783
Ion Ratio Lower Upper
105 100
134 7.3 14.1 21.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.130 ppbv
RT: 13.783 min Scan# 3475
Delta R.T. 0.000 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

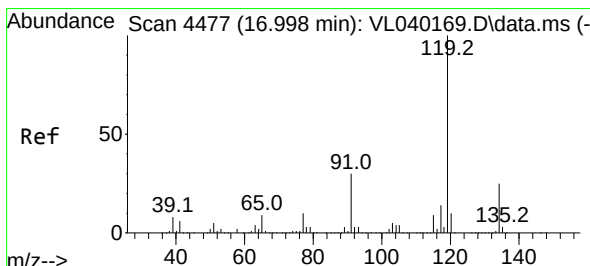
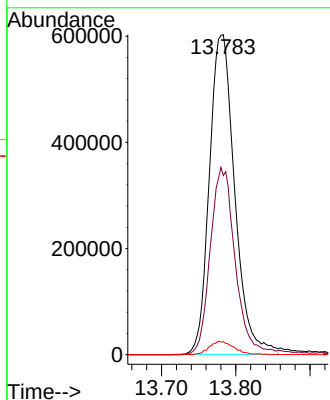
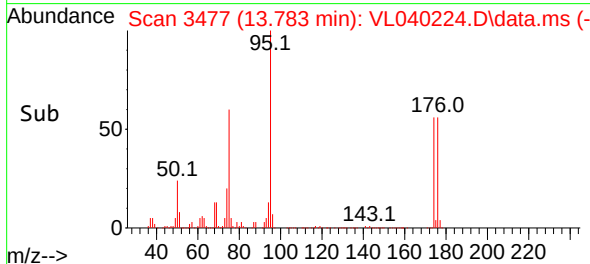
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



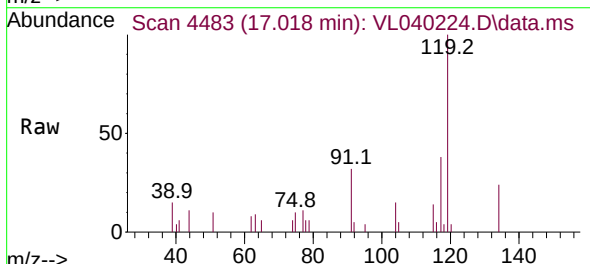
Tgt Ion: 95 Resp: 142726
Ion Ratio Lower Upper
95 100
174 58.8 48.2 72.2
175 4.2 3.4 5.2

Manual Integrations
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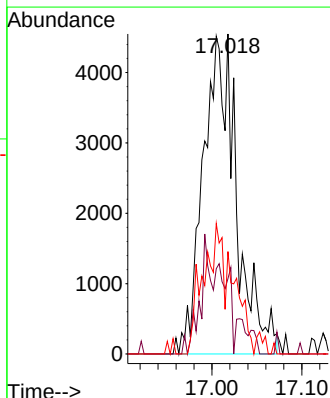
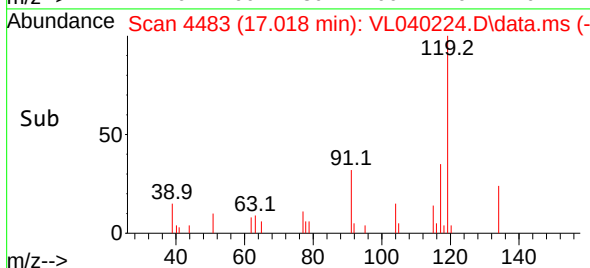
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

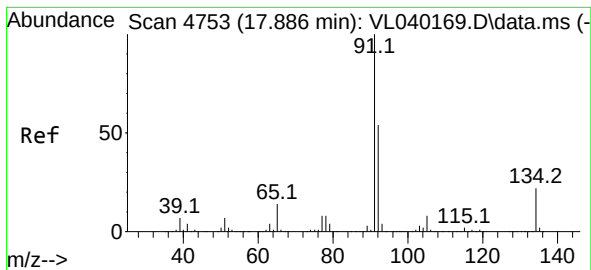


#69
p-Isopropyltoluene
Concen: 0.046 ppbv m
RT: 17.018 min Scan# 4483
Delta R.T. 0.013 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41



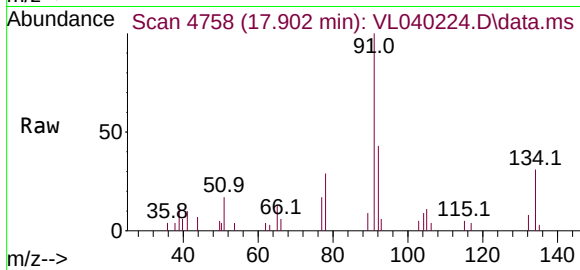
Tgt Ion:119 Resp: 11636
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.2#
91 38.0 24.7 37.1#





#70
n-Butylbenzene
Concen: 0.050 ppbv m
RT: 17.902 min Scan# 4758
Delta R.T. 0.007 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

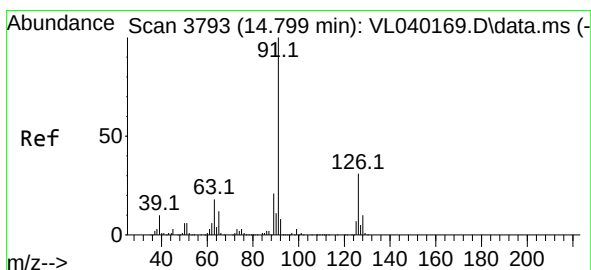
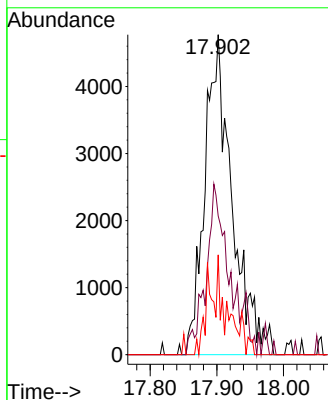
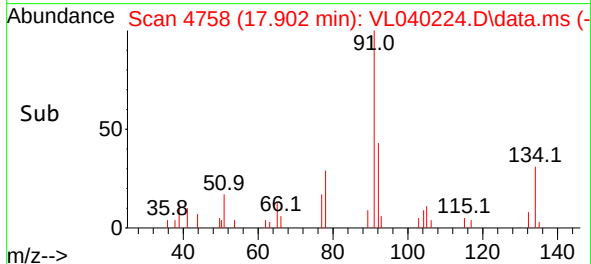
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion: 91 Resp: 1357
Ion Ratio Lower Upper
91 100
92 0.0 43.0 64.6
134 0.0 16.9 25.3

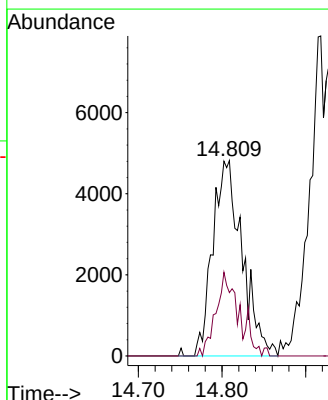
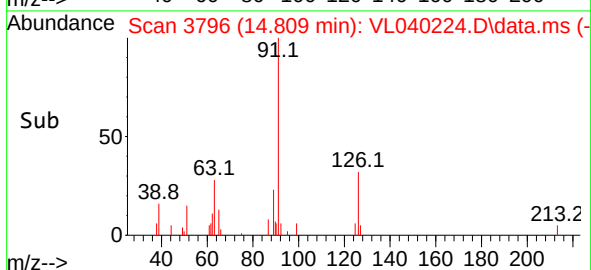
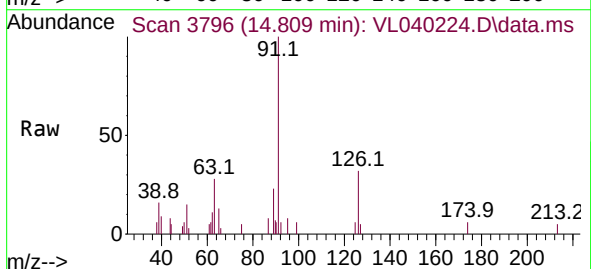
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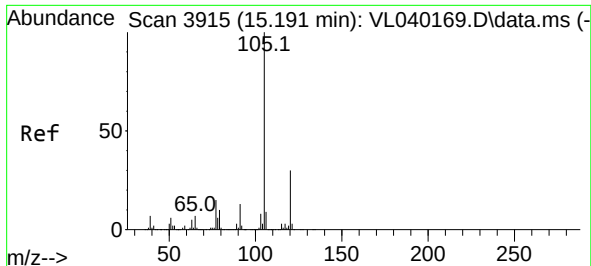
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#71
2-Chlorotoluene
Concen: 0.061 ppbv m
RT: 14.809 min Scan# 3796
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

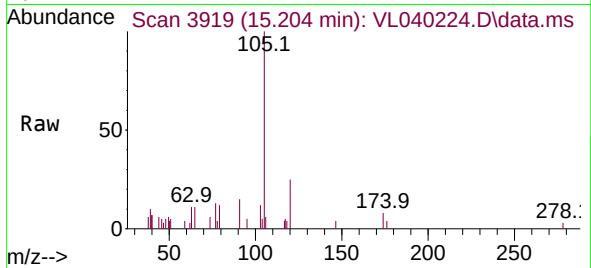
Tgt Ion: 91 Resp: 11845
Ion Ratio Lower Upper
91 100
126 33.8 12.0 48.2





#72
4-Ethyltoluene
Concen: 0.056 ppbv m
RT: 15.204 min Scan# 3919
Delta R.T. 0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

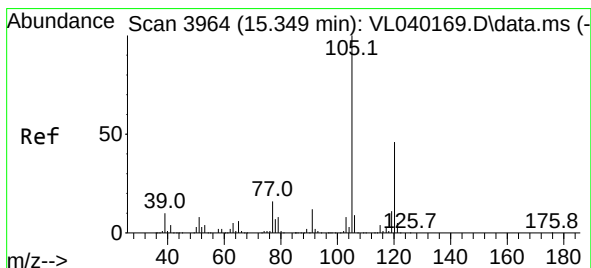
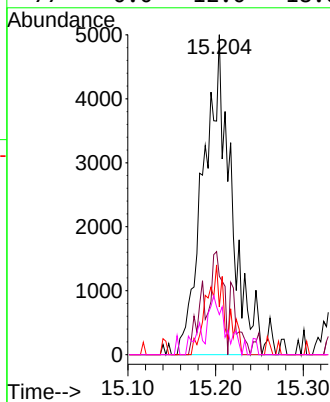
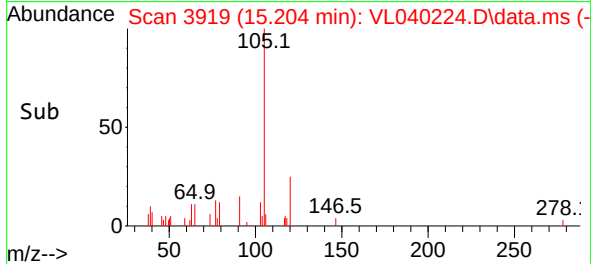
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL



Tgt Ion:105 Resp: 11060
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8
91 0.0 11.3 16.9
77 0.0 12.0 18.0

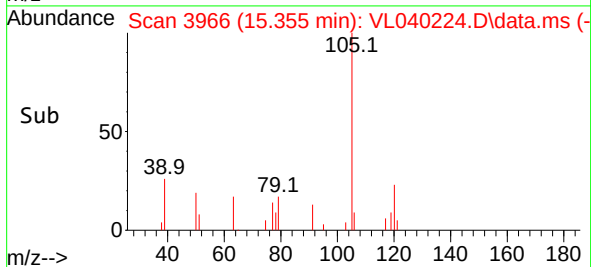
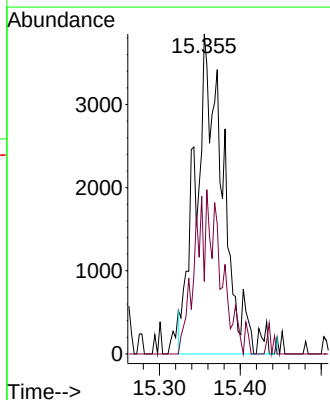
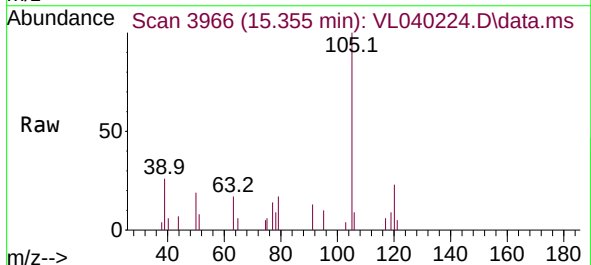
Manual Integrations
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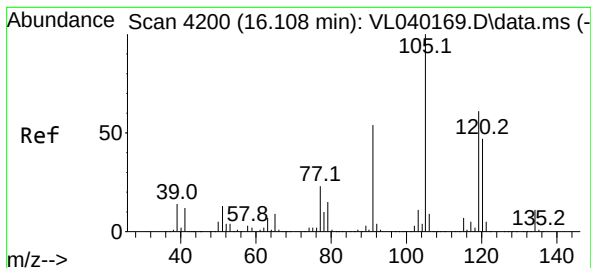
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.050 ppbv m
RT: 15.355 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion:105 Resp: 9182
Ion Ratio Lower Upper
105 100
120 22.7 36.8 55.2





#74

1,2,4-Trimethylbenzene

Concen: 0.047 ppbv m

RT: 16.121 min Scan# 4200

Delta R.T. 0.003 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023DL

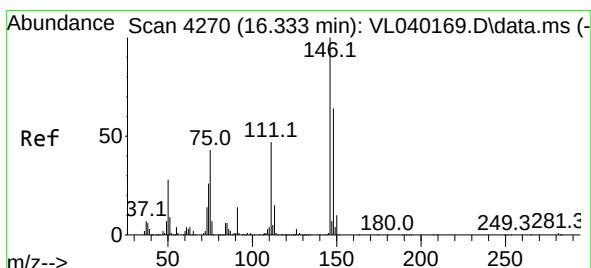
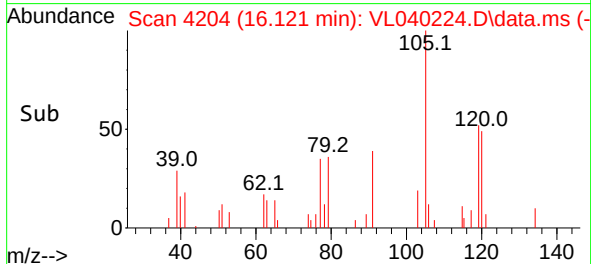
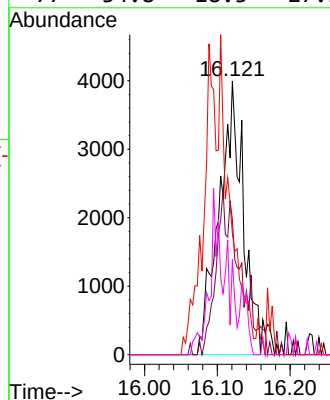
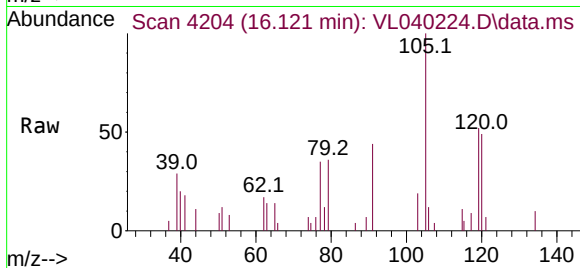
Tgt Ion:	105	Resp:	9440
Ion	Ratio	Lower	Upper
105	100		
120	49.3	37.9	56.9
91	44.3	43.7	65.5
77	34.8	18.3	27.5#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#75

1,3-Dichlorobenzene

Concen: 0.077 ppbv m

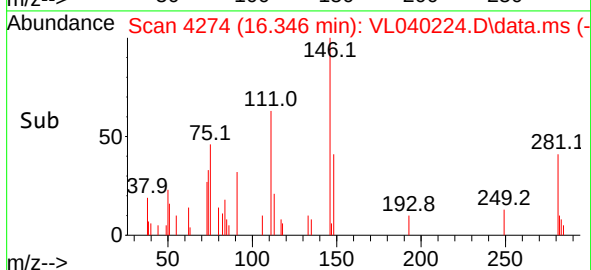
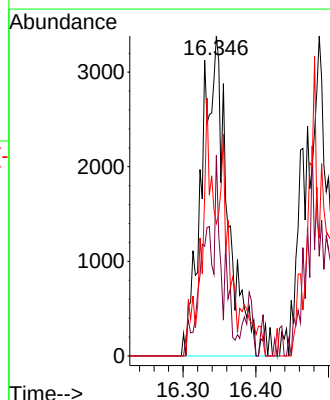
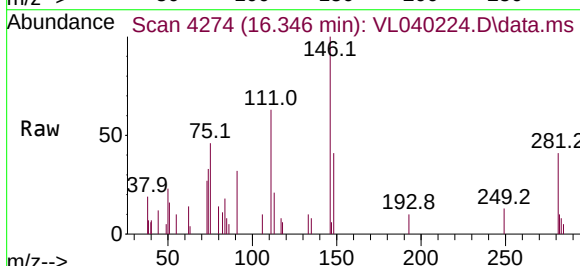
RT: 16.346 min Scan# 4274

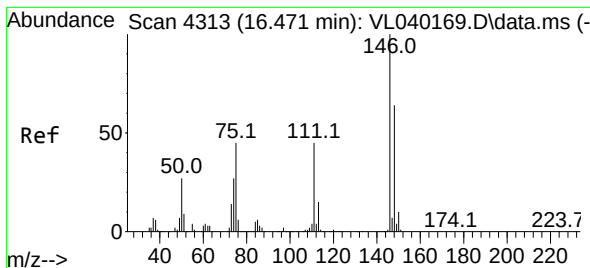
Delta R.T. 0.003 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Tgt Ion:	146	Resp:	8472
Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.9	71.8#
148	68.9	32.1	96.5





#76

1,4-Dichlorobenzene

Concen: 0.077 ppbv m

RT: 16.487 min Scan# 4318

Delta R.T. 0.007 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

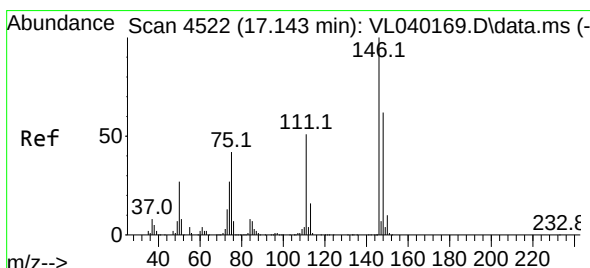
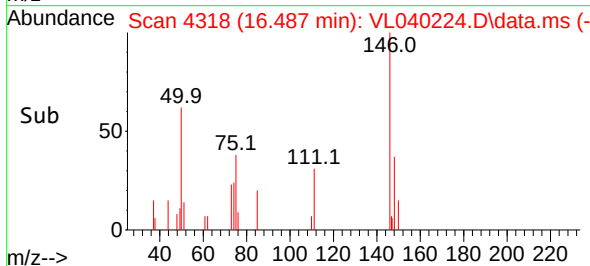
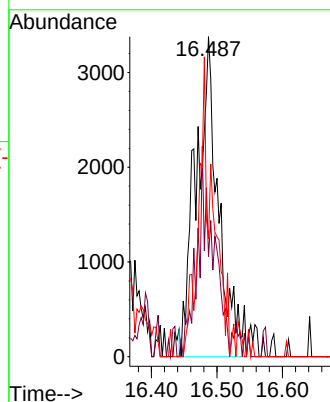
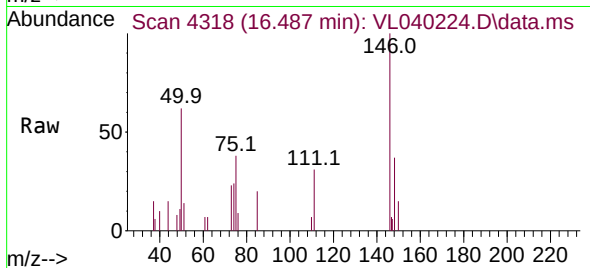
MDL-AIR-03-QT1-2023DL

Tgt Ion:	146	Resp:	828
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.5	70.5
148	0.0	32.5	97.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#77

1,2-Dichlorobenzene

Concen: 0.077 ppbv m

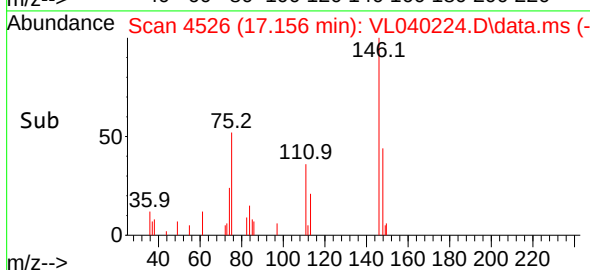
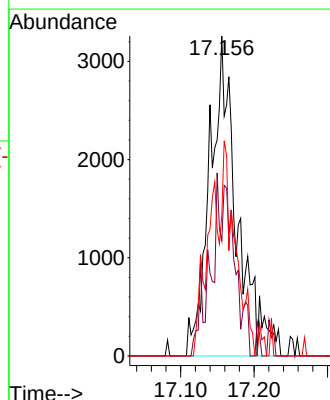
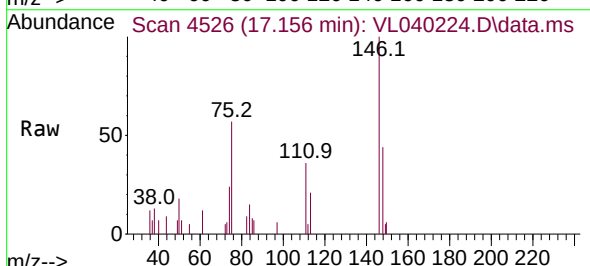
RT: 17.156 min Scan# 4526

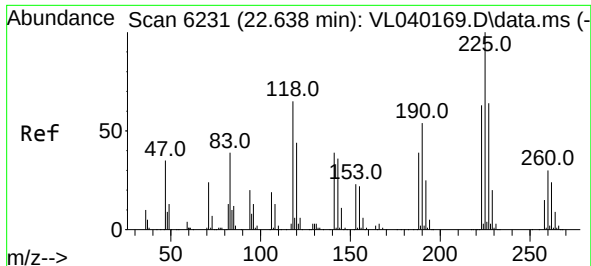
Delta R.T. 0.003 min

Lab File: VL040224.D

Acq: 23 Feb 2023 15:41

Tgt Ion:	146	Resp:	8406
Ion Ratio	Lower	Upper	
146	100		
111	50.8	25.3	75.8
148	62.1	32.0	96.2





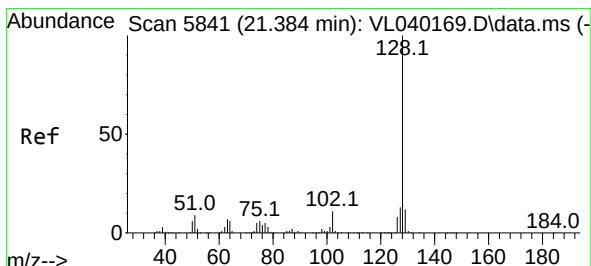
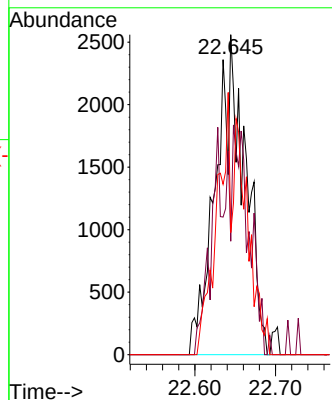
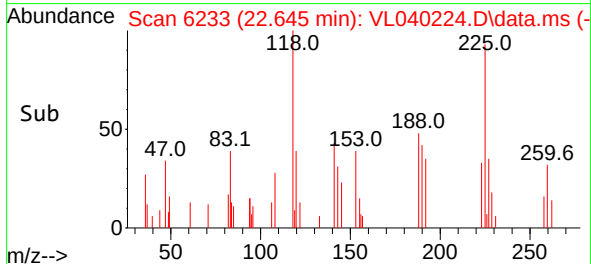
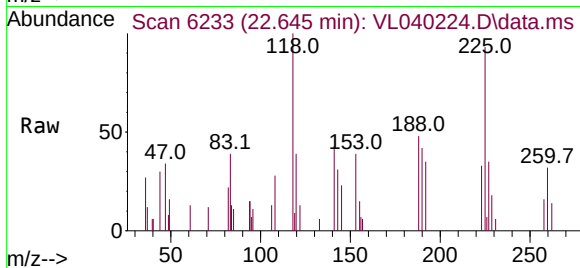
#78
Hexachloro-1,3-Butadiene
Concen: 0.088 ppbv m
RT: 22.645 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Tgt Ion:225 Resp: 662
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6
227 73.1 51.2 76.8

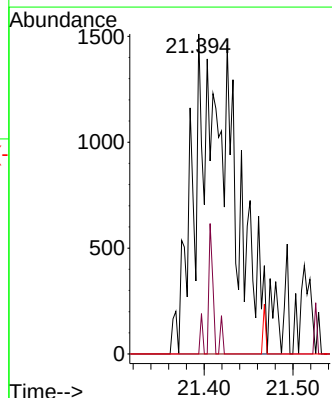
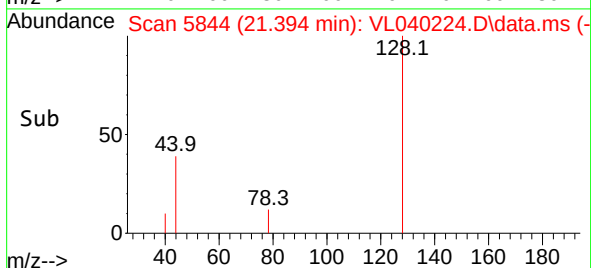
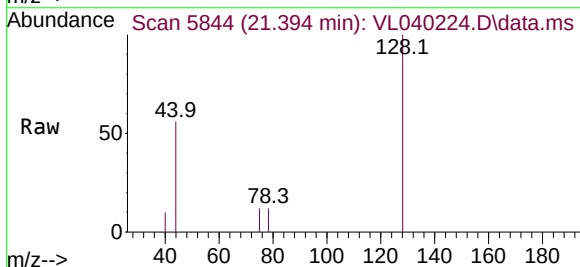
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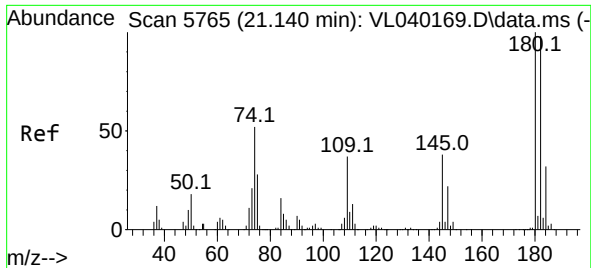
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#79
Naphthalene
Concen: 0.041 ppbv m
RT: 21.394 min Scan# 5844
Delta R.T. -0.006 min
Lab File: VL040224.D
Acq: 23 Feb 2023 15:41

Tgt Ion:128 Resp: 4636
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 9.4 14.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.048 ppbv m

RT: 21.165 min Scan# 51

Delta R.T. 0.016 min

Lab File: VL040224.D

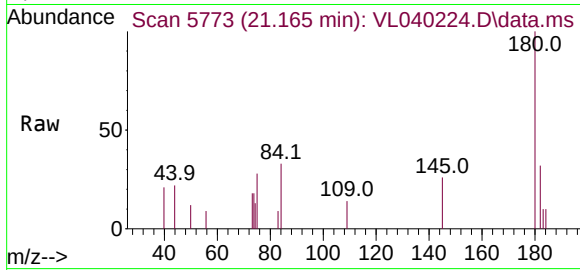
Acq: 23 Feb 2023 15:41

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023DL



Tgt Ion:180	Resp:	337
Ion Ratio	Lower	Upper
180	100	
182	0.0	79.0 118.6
184	0.0	24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

