

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040135.D
 Acq On : 30 Jan 2023 16:31
 Operator : SY/MD
 Sample : N4955-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2022

Quant Time: Jan 31 05:28:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/31/2023
 Supervised By : Mahesh Dadoda 01/31/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	823454	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2152959	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	1915754	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1562241	9.812	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	17848	0.124	ppbv	92
3) Chlorodifluoromethane	2.658	51	11339	0.115	ppbv	95
4) Chloromethane	2.800	50	7231m	0.118	ppbv	
5) Vinyl Chloride	2.906	62	4838m	0.093	ppbv	
6) Bromomethane	3.105	94	2020m	0.107	ppbv	
7) Chloroethane	3.185	64	2052m	0.104	ppbv	
8) Dichlorotetrafluoroethane	2.838	85	14017	0.104	ppbv	97
9) Propene	2.687	41	4682m	0.114	ppbv	
10) Heptane	7.574	43	7402m	0.078	ppbv	
11) Trichlorofluoromethane	3.549	101	13811	0.096	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.057	101	10051	0.093	ppbv #	82
14) Bromoethene	3.359	108	4107m	0.102	ppbv	
15) Acetone	3.481	43	13437m	0.136	ppbv	
16) 1,3-Butadiene	2.967	39	4468	0.097	ppbv	92
17) tert-Butyl alcohol	3.909	59	8867m	0.096	ppbv	
18) 1,1-Dichloroethene	3.864	96	5060m	0.108	ppbv	
19) Isopropyl Alcohol	3.594	45	4771m	0.099	ppbv	
20) Methylene Chloride	3.919	84	8929	0.205	ppbv #	86
21) Allyl Chloride	3.980	41	7021m	0.111	ppbv	
22) trans-1,2-Dichloroethene	4.433	96	4754m	0.099	ppbv	
24) 1,1-Dichloroethane	4.555	63	10133m	0.105	ppbv	
25) Ethyl Acetate	5.205	43	18091m	0.104	ppbv	
26) Hexane	5.205	57	7980m	0.105	ppbv	
27) Carbon Disulfide	4.108	76	7383m	0.075	ppbv	
28) Methyl tert-Butyl Ether	4.597	73	8856m	0.103	ppbv	
29) Chloroform	5.259	83	14508m	0.119	ppbv	
30) Cyclohexane	6.600	84	5442m	0.090	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	7406m	0.100	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	12189m	0.099	ppbv	
34) 2-Butanone	4.803	43	11659m	0.114	ppbv	
35) Carbon Tetrachloride	6.491	117	11980m	0.098	ppbv	
36) Benzene	6.365	78	14036m	0.088	ppbv	
37) 1,2-Dichloroethane	5.803	62	9894m	0.097	ppbv	
38) Trichloroethene	7.285	130	8280m	0.092	ppbv	
39) 1,2-Dichloropropane	7.066	63	7181m	0.115	ppbv	
40) 1,4-Dioxane	7.346	88	2118m	0.086	ppbv	
41) Tetrahydrofuran	5.591	42	4891m	0.083	ppbv	
42) Bromodichloromethane	7.237	83	11482m	0.083	ppbv	
43) Methyl Methacrylate	7.481	69	4974m	0.085	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	21936m	0.083	ppbv	
45) t-1,3-Dichloropropene	8.709	75	3408m	0.065	ppbv	
46) cis-1,3-Dichloropropene	8.134	75	5784m	0.081	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	6502m	0.099	ppbv	

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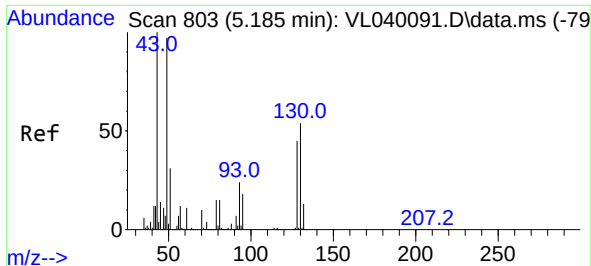
Quant Time: Jan 31 05:28:20 2023
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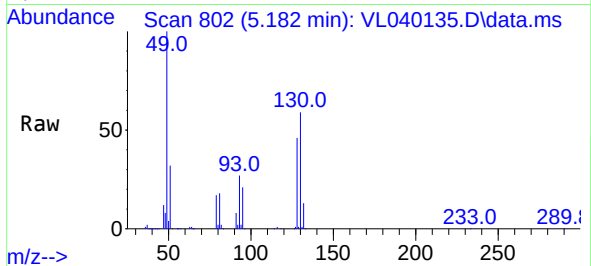
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	9.703	129	8158m	0.077	ppbv	
49) Bromoform	12.404	173	5643m	0.069	ppbv	
50) 4-Methyl-2-Pentanone	8.221	43	12466m	0.078	ppbv	
51) 2-Hexanone	9.594	43	8130m	0.067	ppbv	
52) Tetrachloroethene	10.610	164	5417m	0.104	ppbv	
53) Toluene	9.217	91	12271m	0.072	ppbv	
54) 1,2-Dibromoethane	9.999	107	5657m	0.082	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	7450m	0.100	ppbv	
57) Chlorobenzene	11.526	112	13701m	0.105	ppbv	
58) Ethyl Benzene	12.079	91	15940m	0.075	ppbv	
59) m/p-Xylene	12.368	91	23615m	0.123	ppbv	
60) o-Xylene	13.056	91	10755m	0.059	ppbv	
61) Styrene	12.889	104	5252m	0.055	ppbv	
62) Isopropylbenzene	14.031	105	21015m	0.080	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	6436m	0.097	ppbv	
64) n-propylbenzene	14.921	120	4196m	0.064	ppbv	
65) tert-Butylbenzene	16.092	119	12955m	0.058	ppbv	
66) Benzyl Chloride	16.346	91	1228m	0.080	ppbv	
67) sec-Butylbenzene	16.632	105	19974m	0.063	ppbv	
69) p-Isopropyltoluene	16.989	119	13994m	0.056	ppbv	
70) n-Butylbenzene	17.895	91	15812m	0.059	ppbv	
71) 2-Chlorotoluene	14.793	91	15108m	0.075	ppbv	
72) 4-Ethyltoluene	15.188	105	12446m	0.061	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	11189m	0.061	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	11792m	0.058	ppbv	
75) 1,3-Dichlorobenzene	16.333	146	9657m	0.086	ppbv	
76) 1,4-Dichlorobenzene	16.481	146	9264m	0.084	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	8834m	0.082	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	8290m	0.106	ppbv	
79) Naphthalene	21.394	128	5485m	0.047	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	3681m	0.052	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

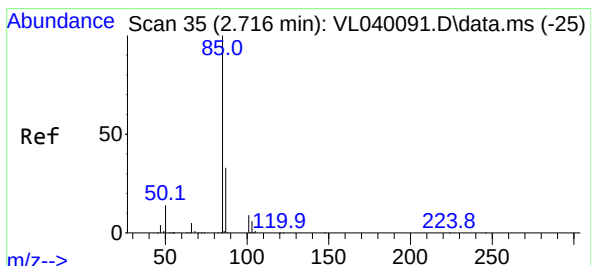
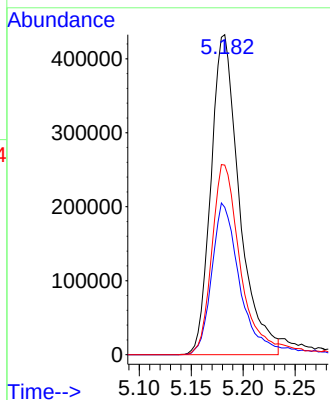
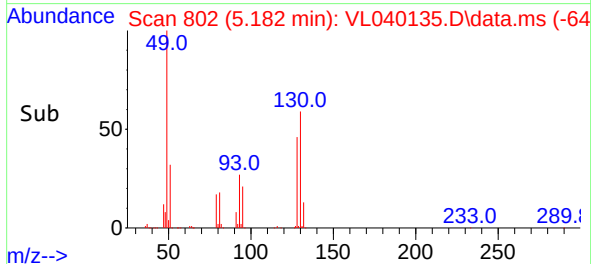
Instrument :
MSVOA_L
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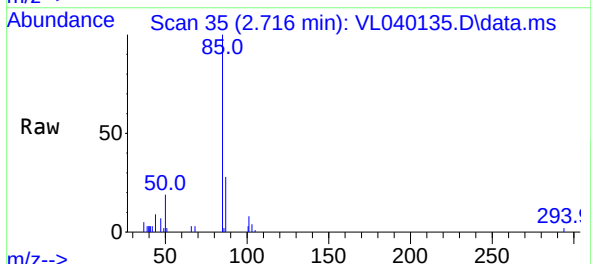
Tgt Ion: 49 Resp: 823454
Ion Ratio Lower Upper
49 100
128 48.7 23.6 71.0
130 62.2 29.8 89.3

Manual Integrations
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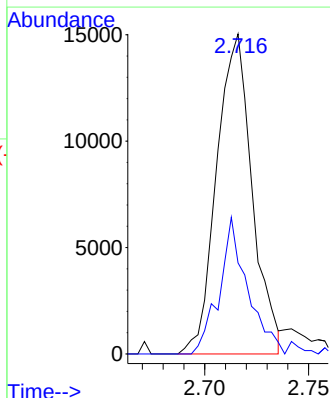
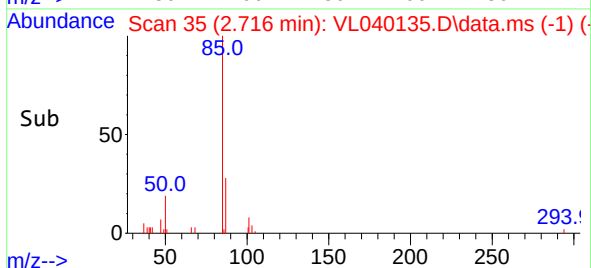
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

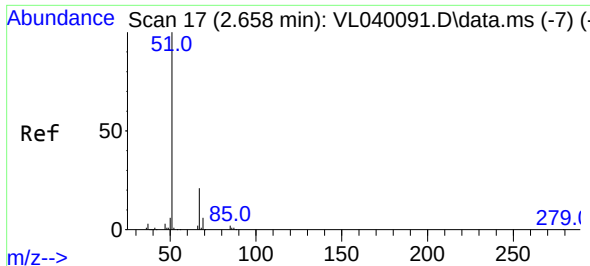


#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



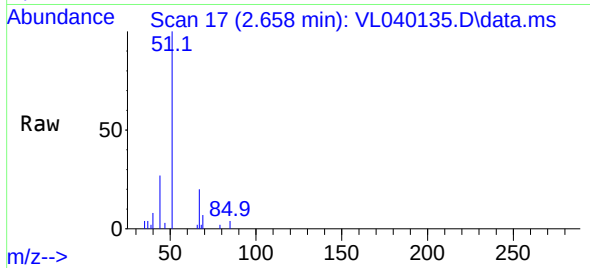
Tgt Ion: 85 Resp: 17848
Ion Ratio Lower Upper
85 100
87 28.4 26.5 39.7





#3
Chlorodifluoromethane
Concen: 0.115 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

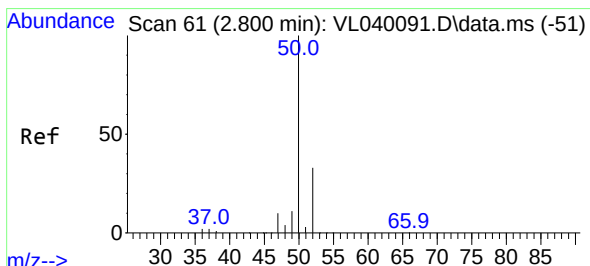
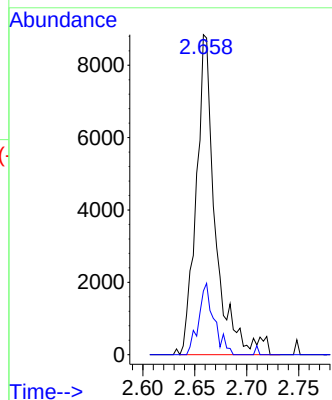
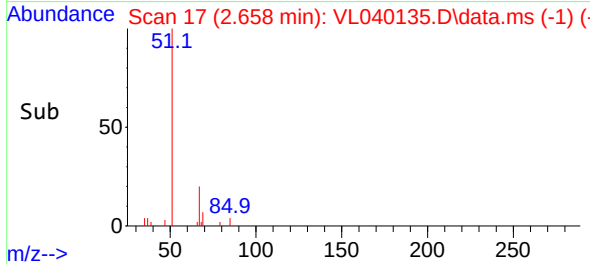
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



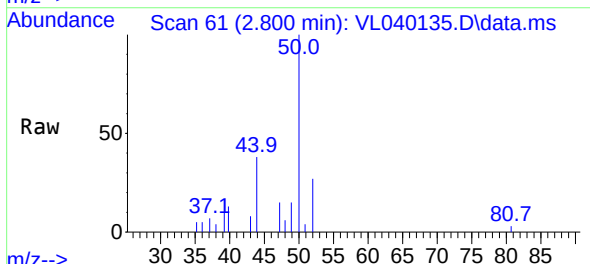
Tgt Ion: 51 Resp: 11339
Ion Ratio Lower Upper
51 100
67 18.0 16.4 24.6

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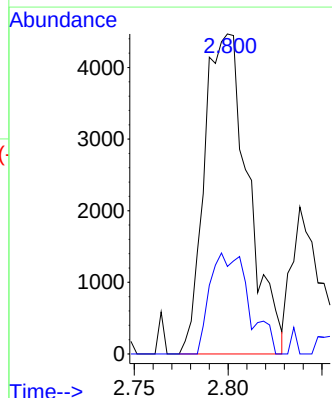
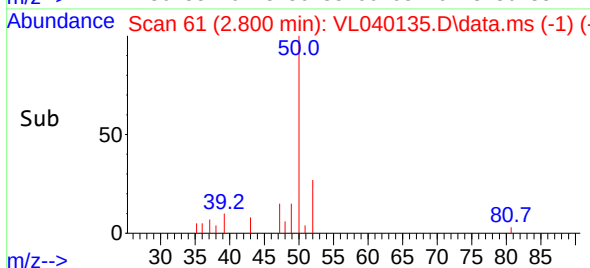
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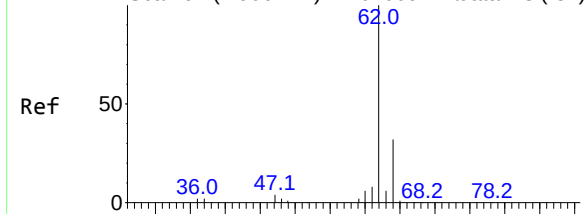
#4
Chloromethane
Concen: 0.118 ppbv m
RT: 2.800 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



Tgt Ion: 50 Resp: 7231
Ion Ratio Lower Upper
50 100
52 27.4 26.5 39.7



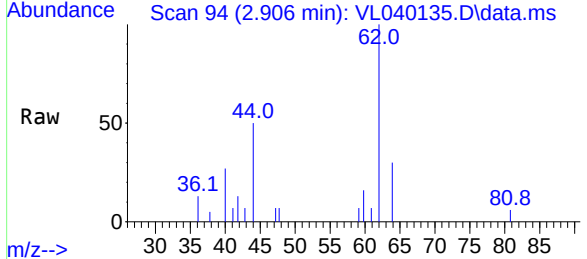
Abundance Scan 94 (2.906 min): VL040091.D\data.ms (-82)



#5
Vinyl Chloride
Concen: 0.093 ppbv m
RT: 2.906 min Scan# 94
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Abundance Scan 94 (2.906 min): VL040135.D\data.ms

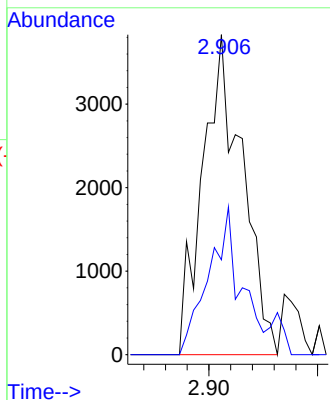
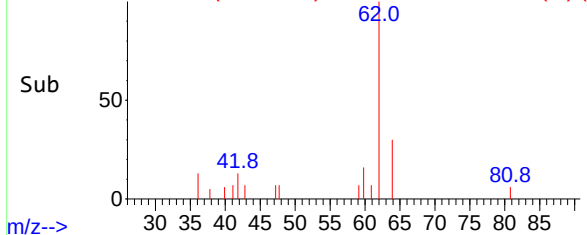


Tgt Ion: 62 Resp: 4838
Ion Ratio Lower Upper
62 100
64 29.6 25.8 38.6

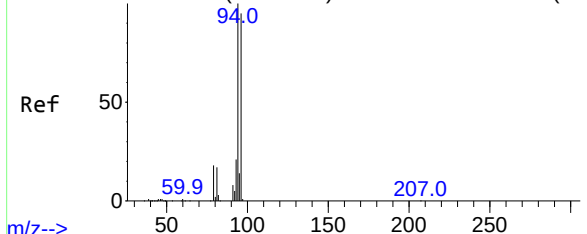
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Abundance Scan 94 (2.906 min): VL040135.D\data.ms (-1)



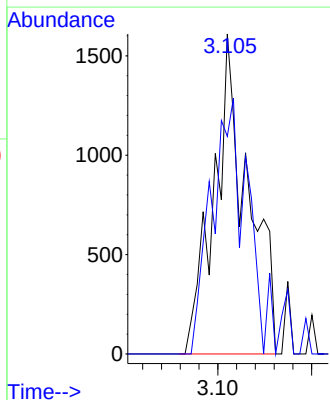
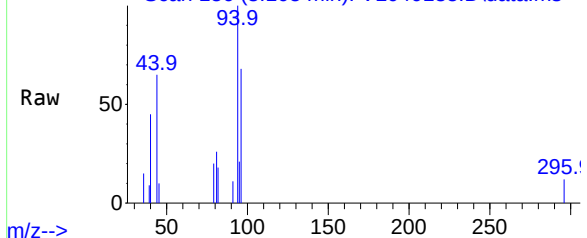
Abundance Scan 156 (3.105 min): VL040091.D\data.ms (-14)



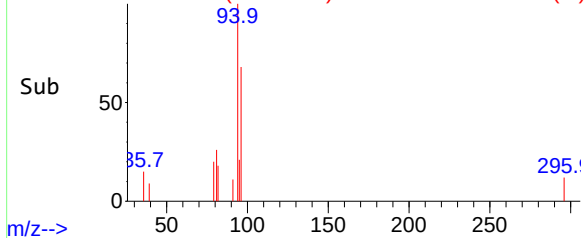
#6
Bromomethane
Concen: 0.107 ppbv m
RT: 3.105 min Scan# 156
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

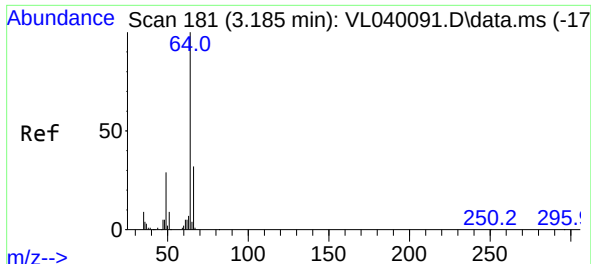
Tgt Ion: 94 Resp: 2020
Ion Ratio Lower Upper
94 100
96 68.0 76.2 114.2#

Abundance Scan 156 (3.105 min): VL040135.D\data.ms



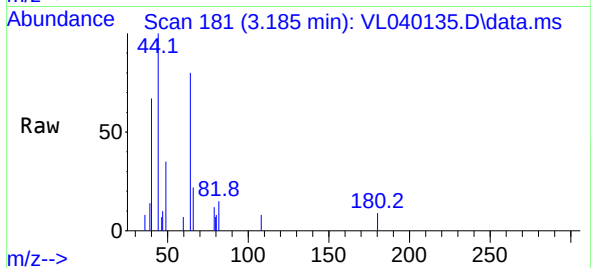
Abundance Scan 156 (3.105 min): VL040135.D\data.ms (-1)





#7
Chloroethane
Concen: 0.104 ppbv m
RT: 3.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

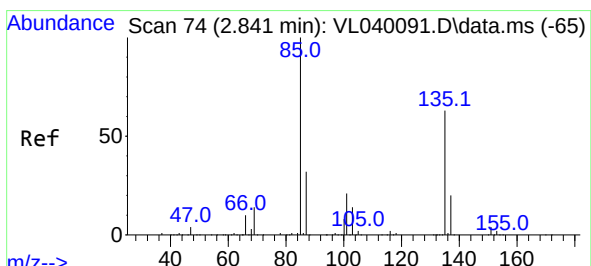
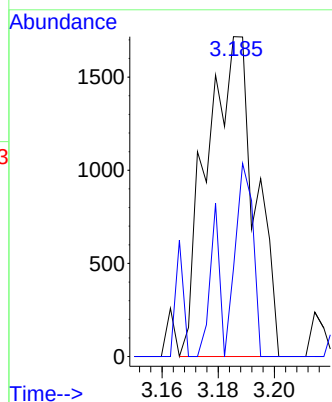
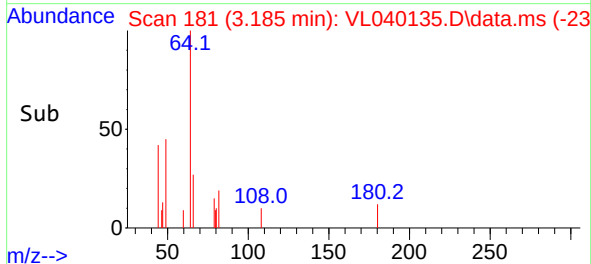
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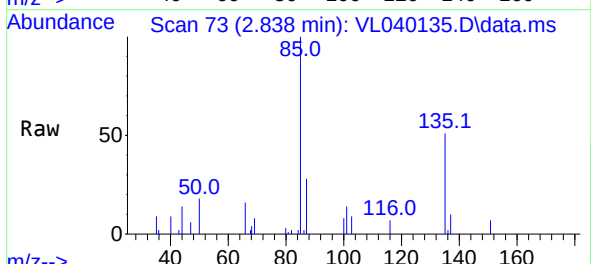
Tgt Ion: 64 Resp: 2052
Ion Ratio Lower Upper
64 100
66 27.5 25.6 38.4

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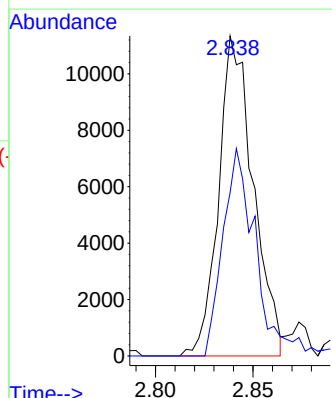
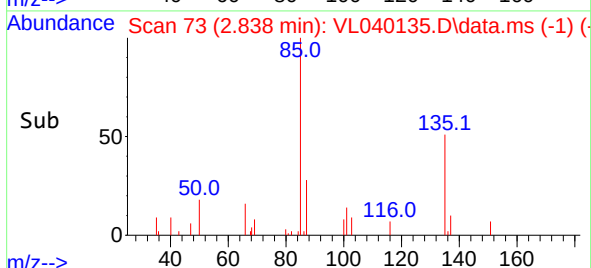
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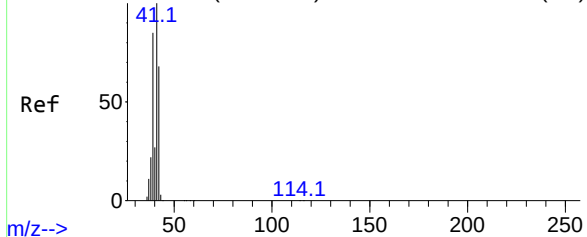
#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



Tgt Ion: 85 Resp: 14017
Ion Ratio Lower Upper
85 100
135 62.3 51.4 77.2



Abundance Scan 23 (2.677 min): VL040091.D\data.ms (-15)



#9

Propene

Concen: 0.114 ppbv m

RT: 2.687 min Scan# 2

Delta R.T. 0.013 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 41 Resp: 468

Ion Ratio Lower Upper

41 100

42 0.0 55.6 83.4

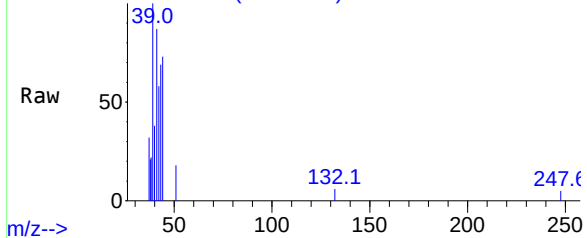
Manual Integrations

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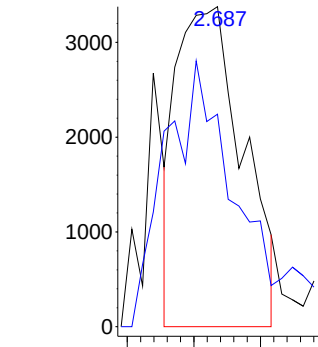
Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023

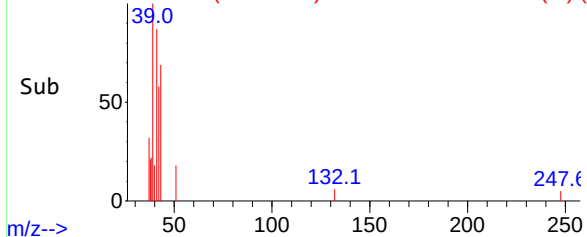
Abundance Scan 26 (2.687 min): VL040135.D\data.ms



Abundance

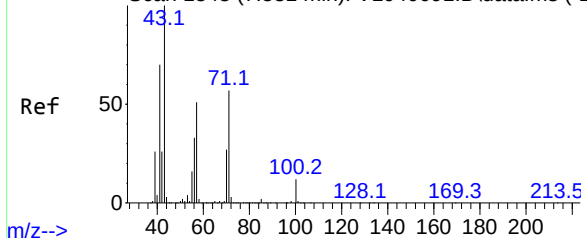


Abundance Scan 26 (2.687 min): VL040135.D\data.ms (-1)



Time-->

Abundance Scan 1548 (7.581 min): VL040091.D\data.ms (-1)



#10

Heptane

Concen: 0.078 ppbv m

RT: 7.574 min Scan# 1546

Delta R.T. 0.007 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

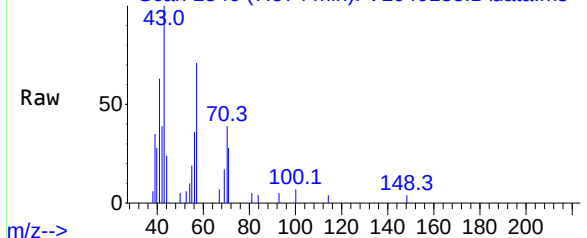
Tgt Ion: 43 Resp: 7402

Ion Ratio Lower Upper

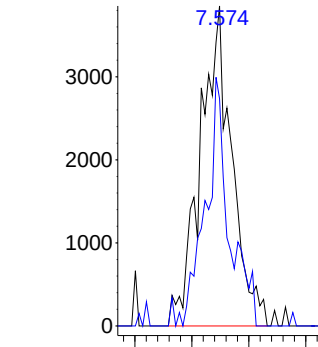
43 100

57 58.7 40.9 61.3

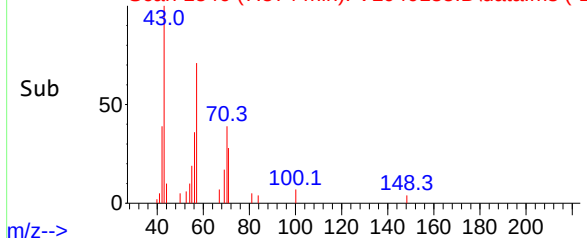
Abundance Scan 1546 (7.574 min): VL040135.D\data.ms



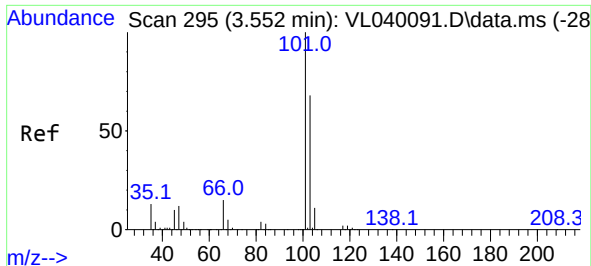
Abundance



Abundance Scan 1546 (7.574 min): VL040135.D\data.ms (-1)

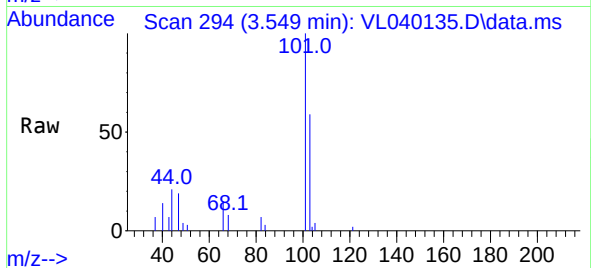


Time-->



#11
Trichlorofluoromethane
Concen: 0.096 ppbv
RT: 3.549 min Scan# 295
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

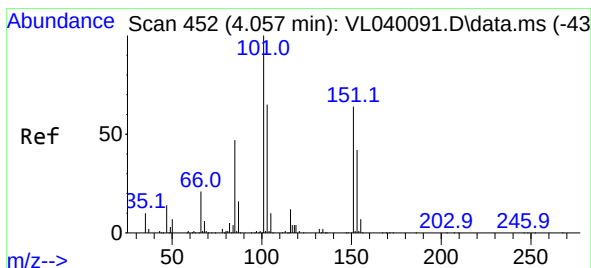
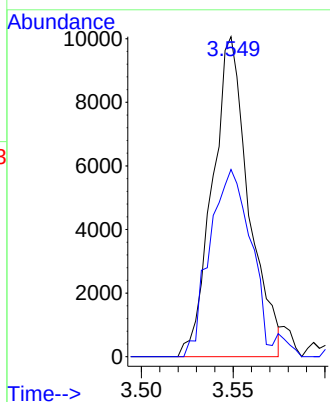
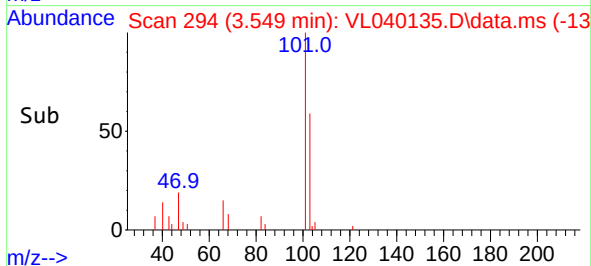
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



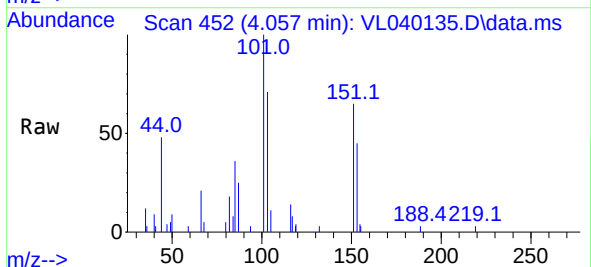
Tgt Ion:101 Resp: 1381
Ion Ratio Lower Upper
101 100
103 58.5 54.0 81.0

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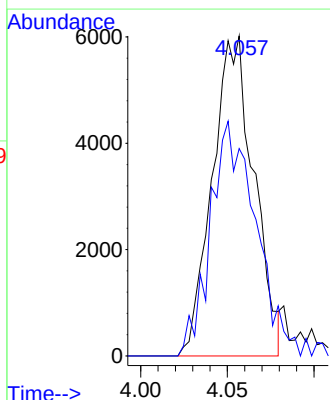
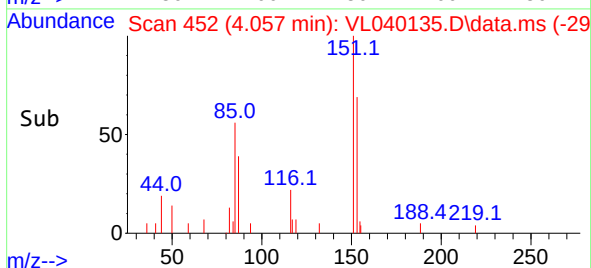
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

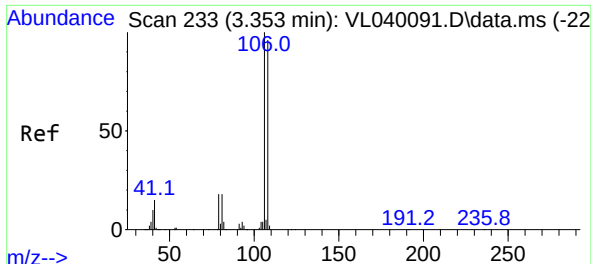


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.093 ppbv
RT: 4.057 min Scan# 452
Delta R.T. 0.010 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



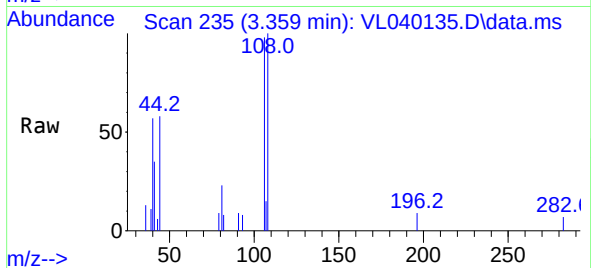
Tgt Ion:101 Resp: 10051
Ion Ratio Lower Upper
101 100
151 81.1 53.2 79.8#





#14
Bromoethene
Concen: 0.102 ppbv m
RT: 3.359 min Scan# 210
Delta R.T. 0.010 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

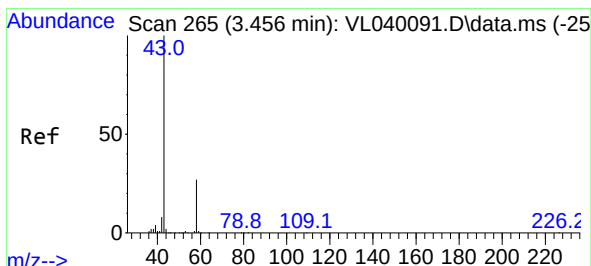
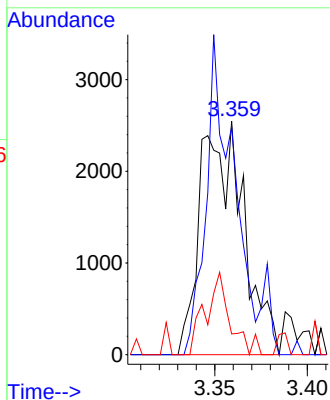
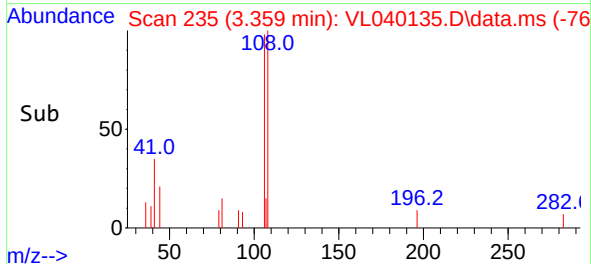
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



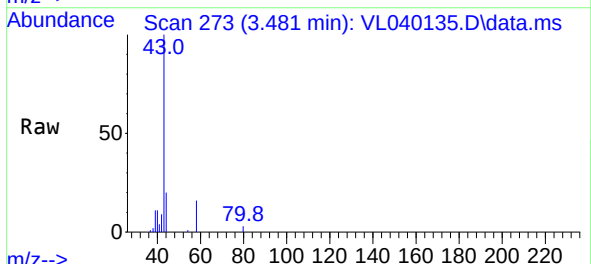
Tgt Ion:108 Resp: 410
Ion Ratio Lower Upper
108 100
106 94.9 87.0 130.6
79 24.8 16.1 24.1

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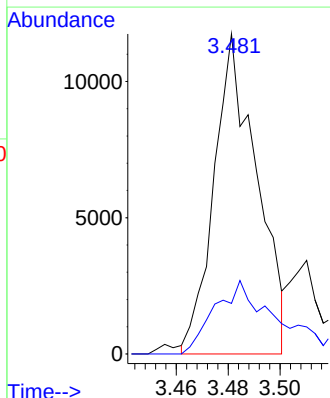
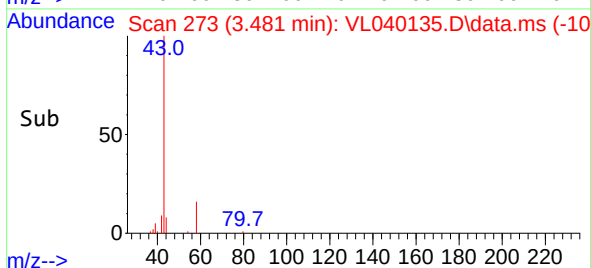
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

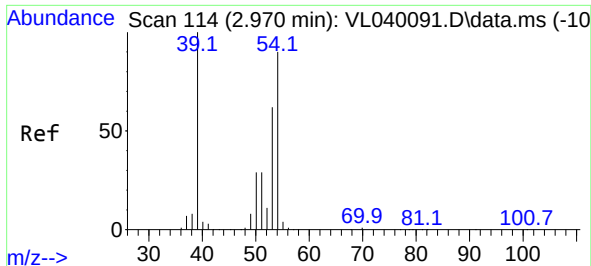


#15
Acetone
Concen: 0.136 ppbv m
RT: 3.481 min Scan# 273
Delta R.T. 0.032 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



Tgt Ion: 43 Resp: 13437
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.8#





#16

1,3-Butadiene

Concen: 0.097 ppbv

RT: 2.967 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 39 Resp: 4468

Ion Ratio Lower Upper

39 100

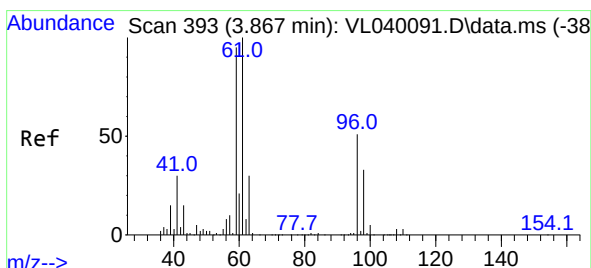
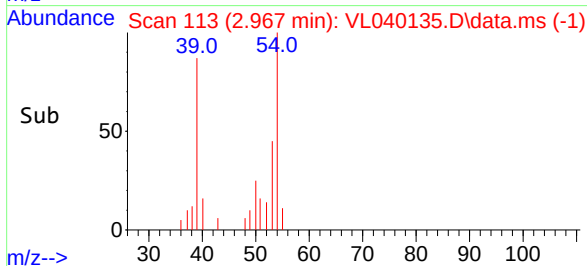
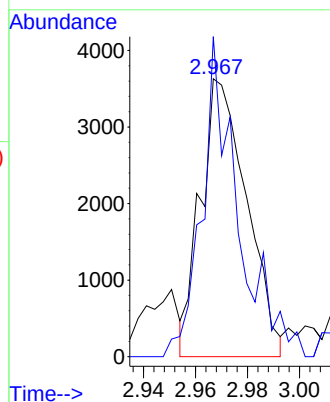
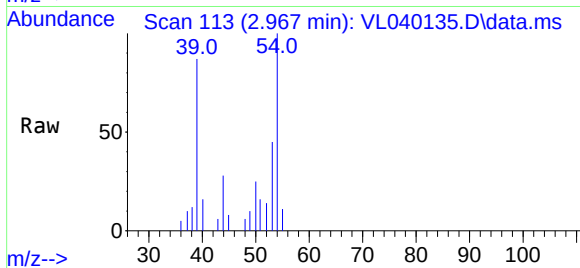
54 92.1 67.9 101.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023



#17

tert-Butyl alcohol

Concen: 0.096 ppbv m

RT: 3.909 min Scan# 406

Delta R.T. 0.048 min

Lab File: VL040135.D

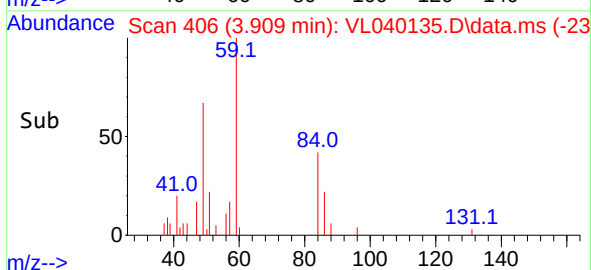
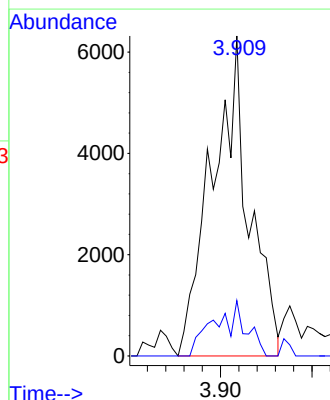
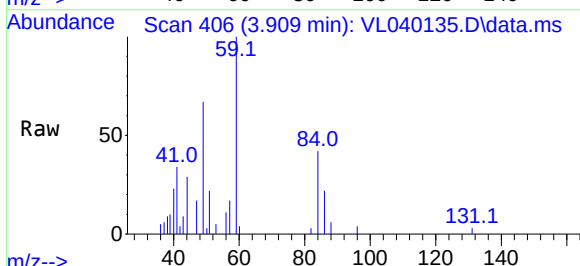
Acq: 30 Jan 2023 16:31

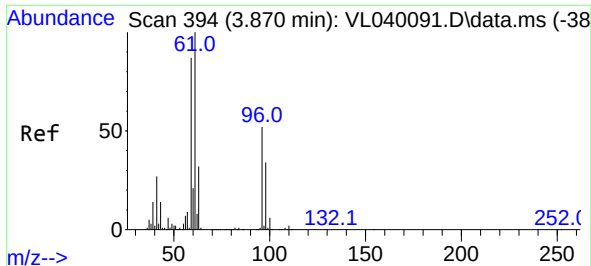
Tgt Ion: 59 Resp: 8867

Ion Ratio Lower Upper

59 100

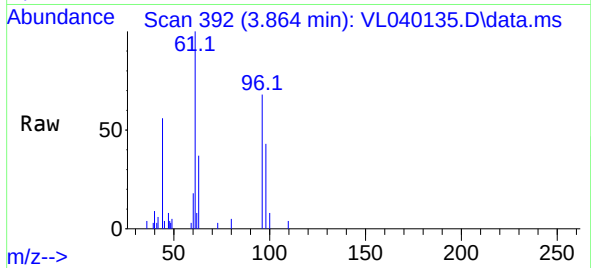
57 0.0 8.5 12.7#





#18
1,1-Dichloroethene
Concen: 0.108 ppbv m
RT: 3.864 min Scan# 394
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

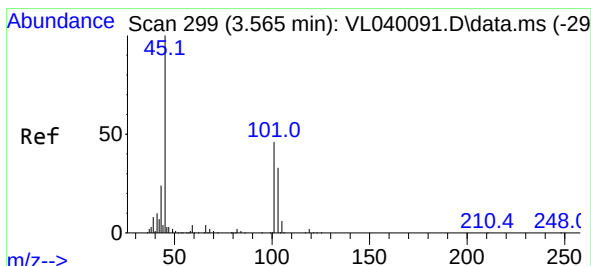
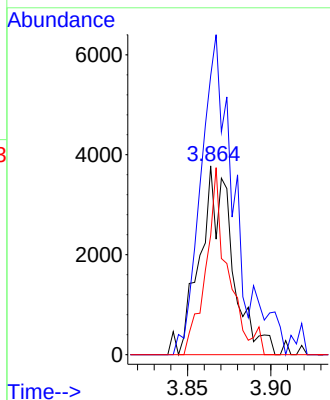
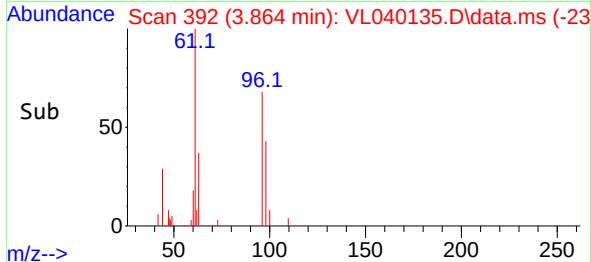
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



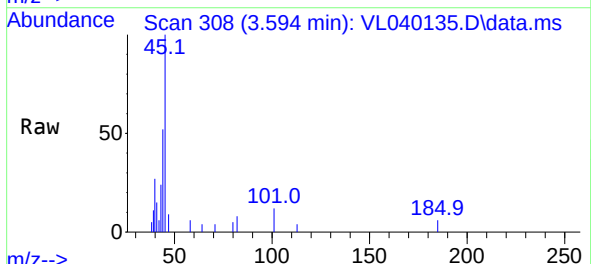
Tgt Ion: 96 Resp: 5060
Ion Ratio Lower Upper
96 100
61 147.7 153.0 229.4
98 63.1 52.7 79.1

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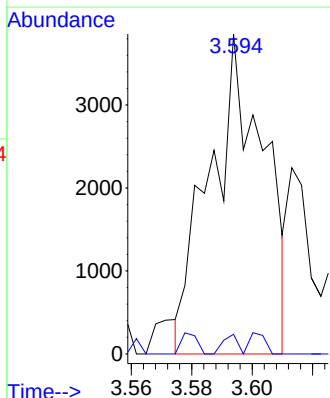
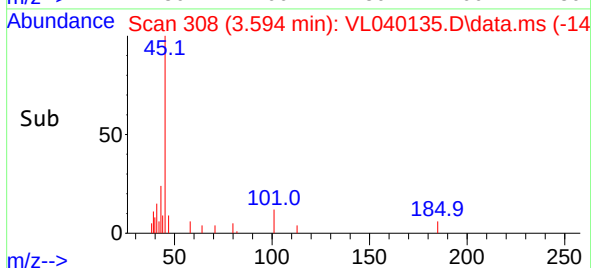
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

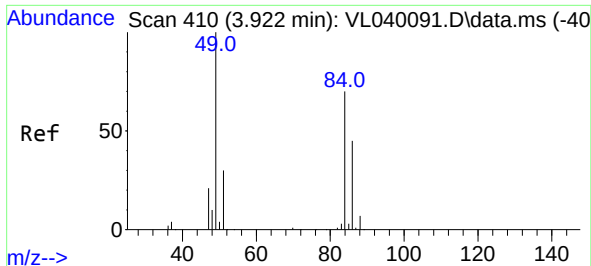


#19
Isopropyl Alcohol
Concen: 0.099 ppbv m
RT: 3.594 min Scan# 308
Delta R.T. 0.035 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



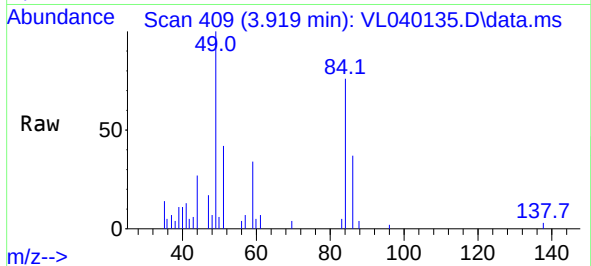
Tgt Ion: 45 Resp: 4771
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0#





#20
Methylene Chloride
Concen: 0.205 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

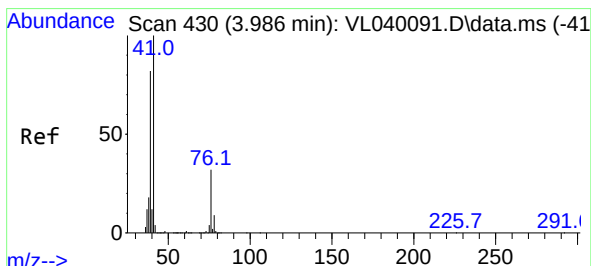
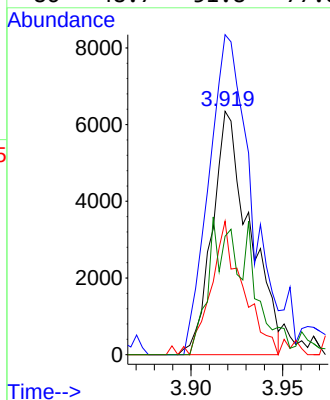
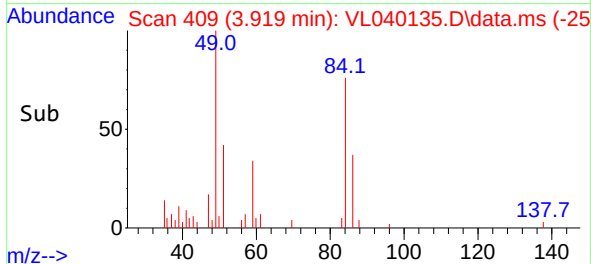
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 84 Resp: 8929
Ion Ratio Lower Upper
84 100
49 131.5 114.6 171.8
51 54.8 34.3 51.5
86 48.7 51.8 77.8#

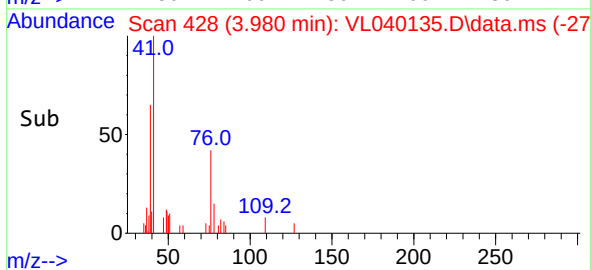
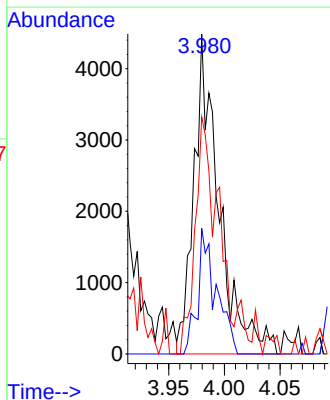
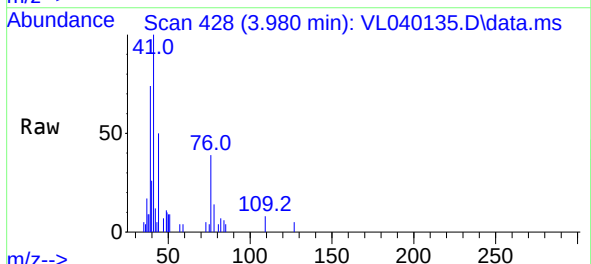
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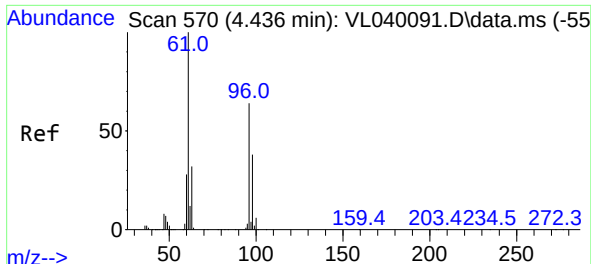
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#21
Allyl Chloride
Concen: 0.111 ppbv m
RT: 3.980 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

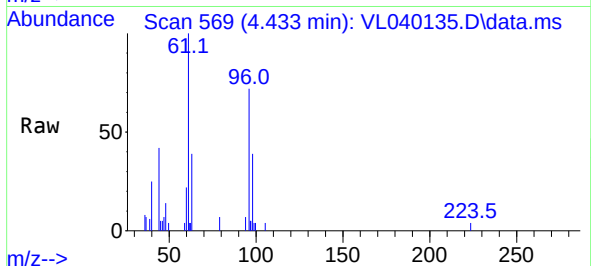
Tgt Ion: 41 Resp: 7021
Ion Ratio Lower Upper
41 100
76 29.1 25.9 38.9
39 77.4 66.8 100.2





#22
trans-1,2-Dichloroethene
Concen: 0.099 ppbv m
RT: 4.433 min Scan# 570
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

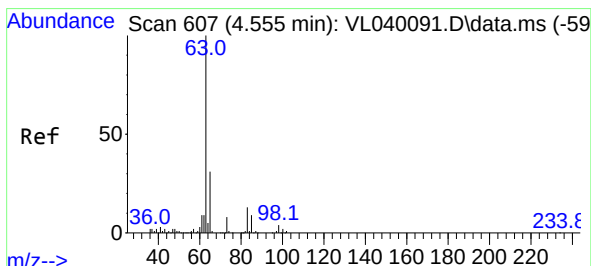
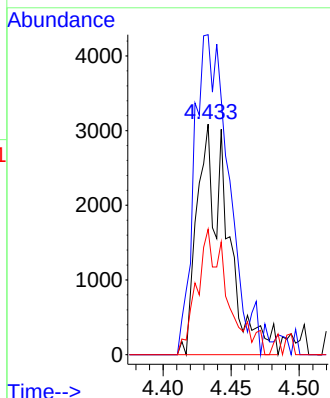
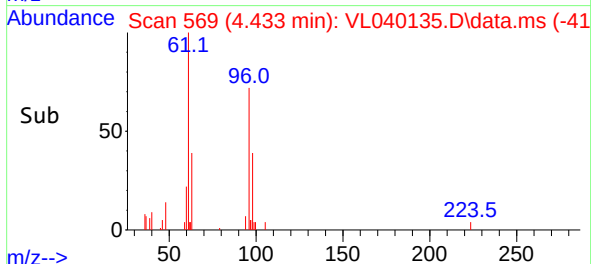
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



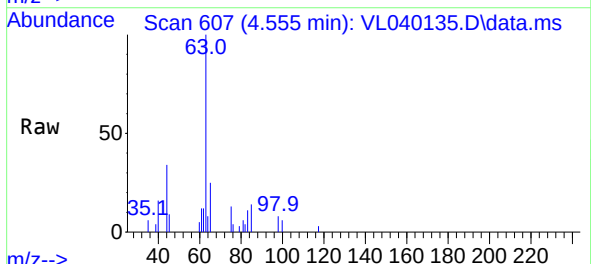
Tgt Ion: 96 Resp: 4754
Ion Ratio Lower Upper
96 100
61 138.8 125.8 188.8
98 54.4 47.4 71.2

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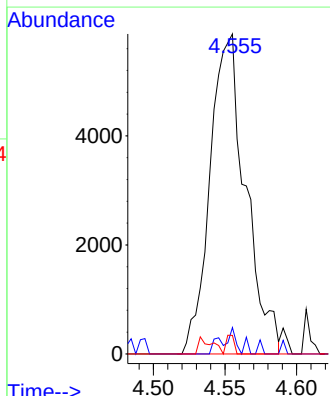
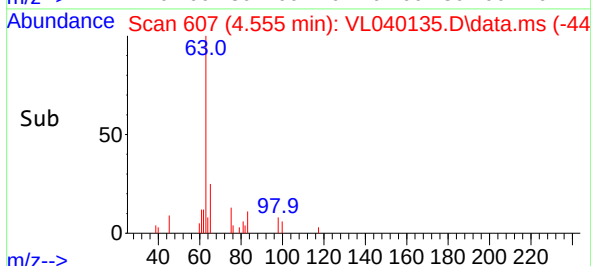
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

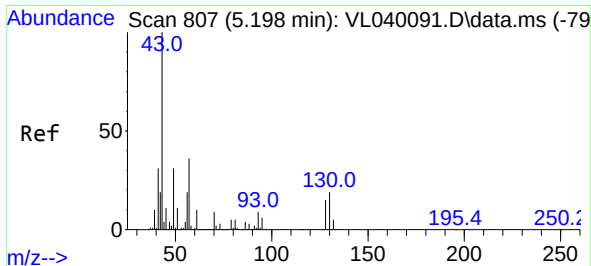


#24
1,1-Dichloroethane
Concen: 0.105 ppbv m
RT: 4.555 min Scan# 607
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



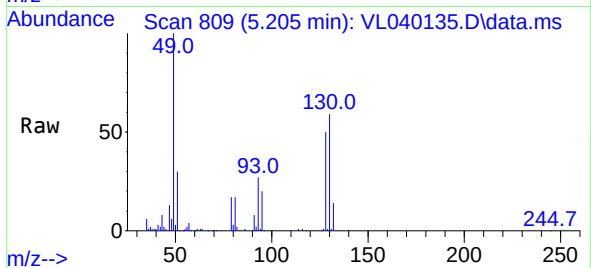
Tgt Ion: 63 Resp: 10133
Ion Ratio Lower Upper
63 100
98 8.2 2.0 5.8#
100 5.8 1.1 3.5#





#25
Ethyl Acetate
Concen: 0.104 ppbv m
RT: 5.205 min Scan# 809
Delta R.T. 0.016 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

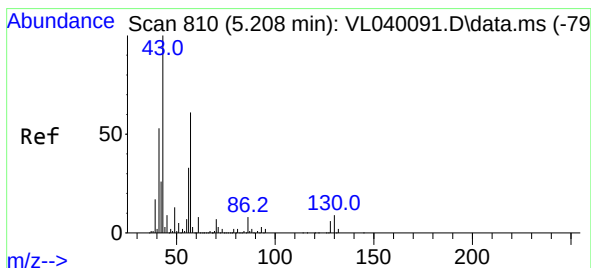
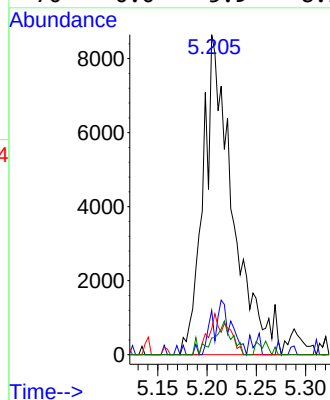
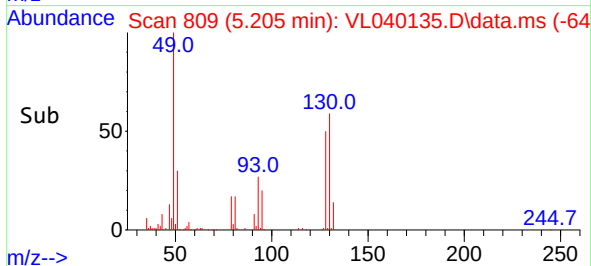
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
45 0.0 8.5 12.7
61 0.0 8.4 12.6
70 0.0 5.9 8.9

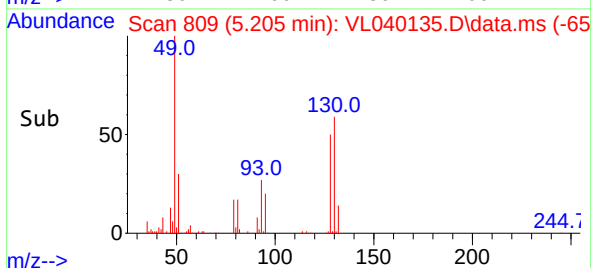
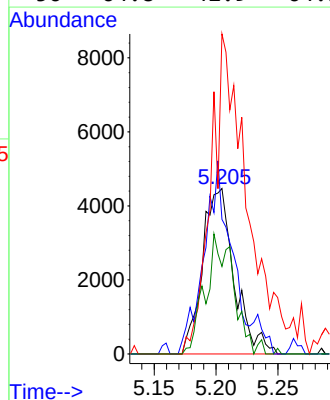
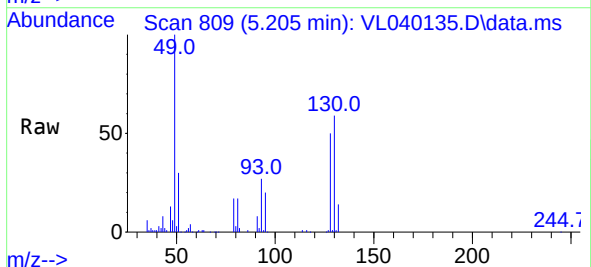
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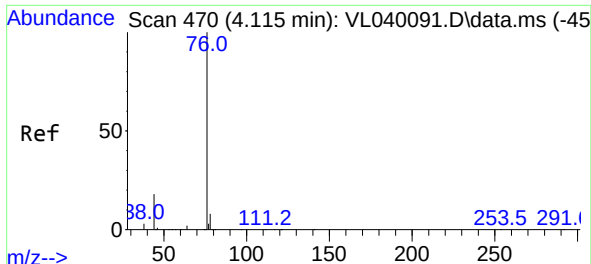
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#26
Hexane
Concen: 0.105 ppbv m
RT: 5.205 min Scan# 809
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

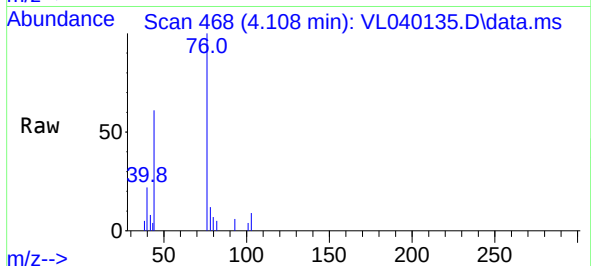
Tgt Ion: 57 Resp: 7980
Ion Ratio Lower Upper
57 100
41 111.4 72.2 108.4#
43 240.8 192.1 288.1
56 64.8 42.9 64.3#





#27
Carbon Disulfide
Concen: 0.075 ppbv m
RT: 4.108 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

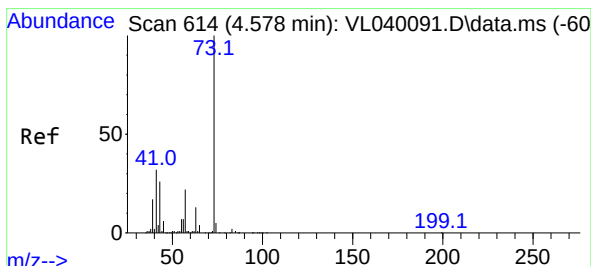
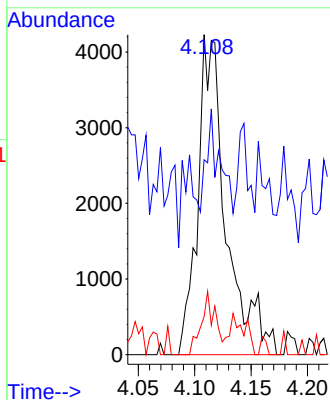
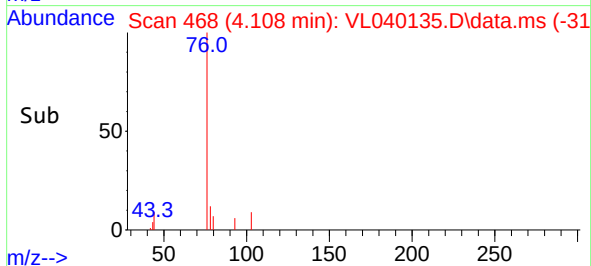
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 76 Resp: 738
Ion Ratio Lower Upper
76 100
44 21.1 14.9 22.3
78 10.9 8.2 12.2

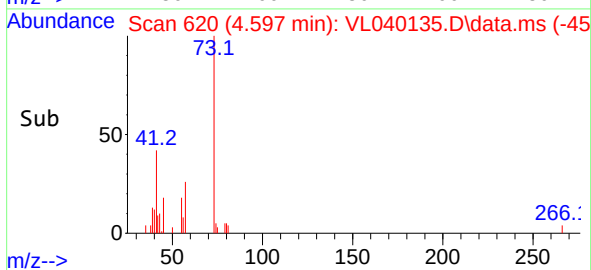
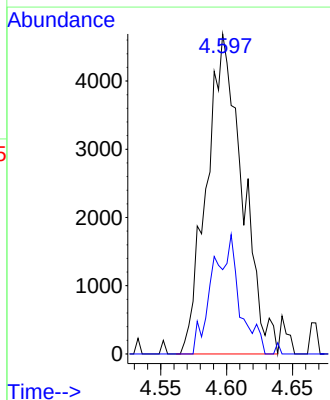
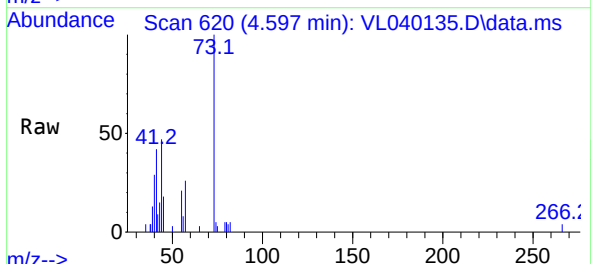
Manual Integrations
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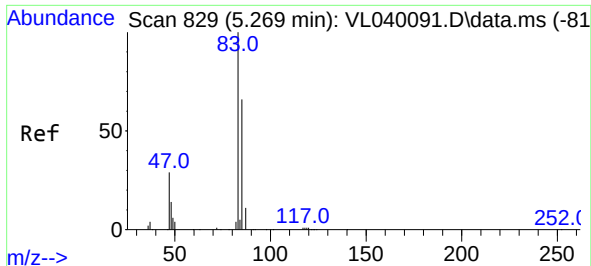
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#28
Methyl tert-Butyl Ether
Concen: 0.103 ppbv m
RT: 4.597 min Scan# 620
Delta R.T. 0.029 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Tgt Ion: 73 Resp: 8856
Ion Ratio Lower Upper
73 100
57 28.7 18.3 27.5#





#29

Chloroform

Concen: 0.119 ppbv m

RT: 5.259 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 83 Resp: 1450

Ion Ratio Lower Upper

83 100

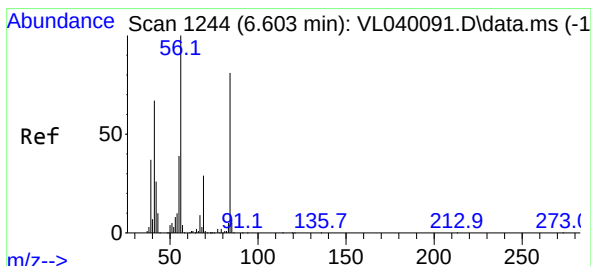
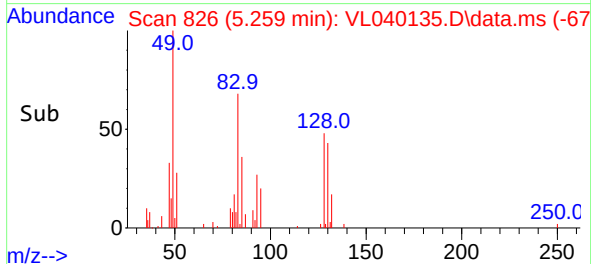
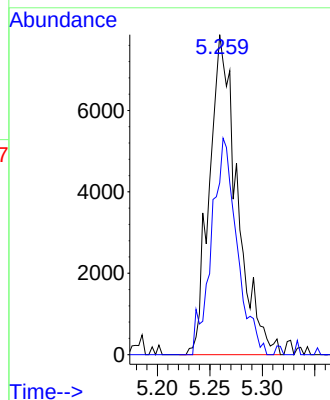
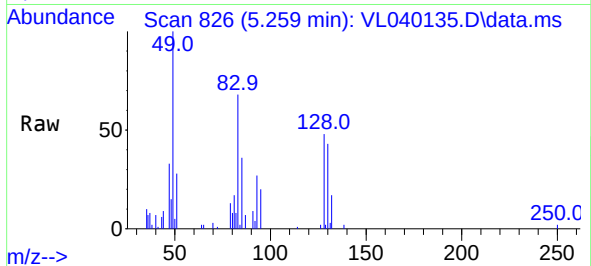
85 53.7 53.1 79.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023



#30

Cyclohexane

Concen: 0.090 ppbv m

RT: 6.600 min Scan# 1243

Delta R.T. 0.010 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

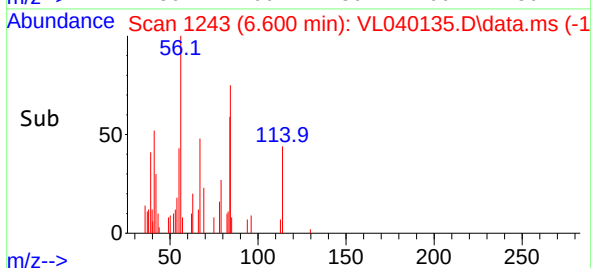
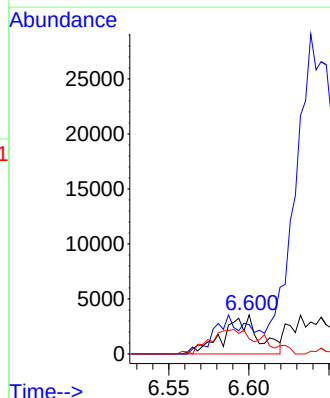
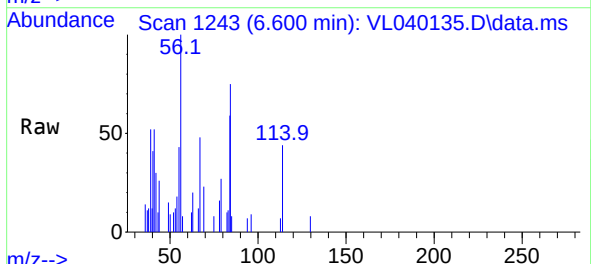
Tgt Ion: 84 Resp: 5442

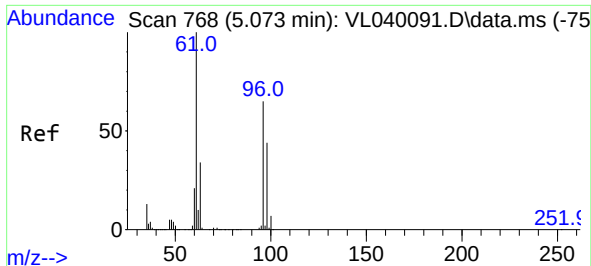
Ion Ratio Lower Upper

84 100

56 97.7 111.5 167.3#

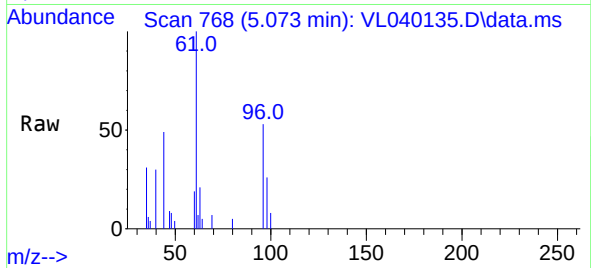
41 91.6 71.4 107.0





#31
 cis-1,2-Dichloroethene
 Concen: 0.100 ppbv m
 RT: 5.073 min Scan# 768
 Delta R.T. 0.010 min
 Lab File: VL040135.D
 Acq: 30 Jan 2023 16:31

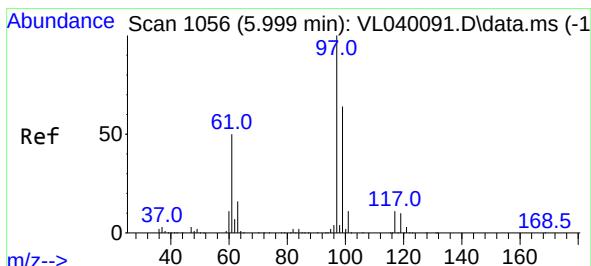
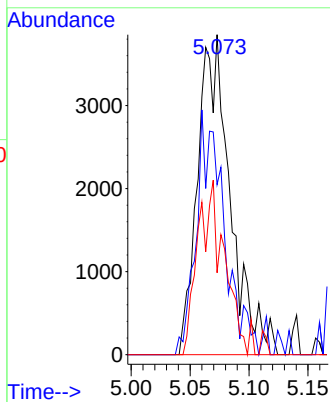
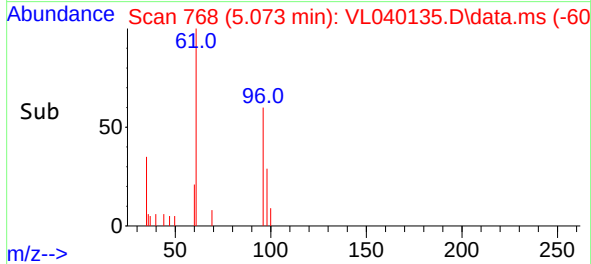
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 61 Resp: 7400
 Ion Ratio Lower Upper
 61 100
 96 53.1 52.0 78.0
 98 25.6 35.3 52.9

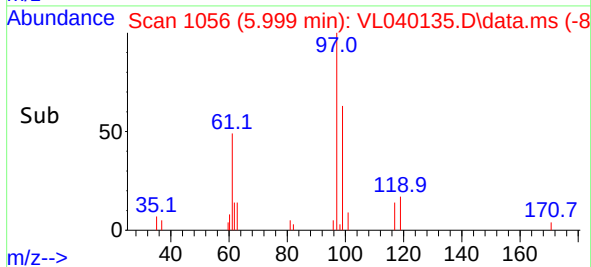
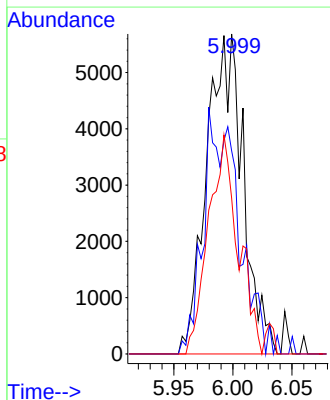
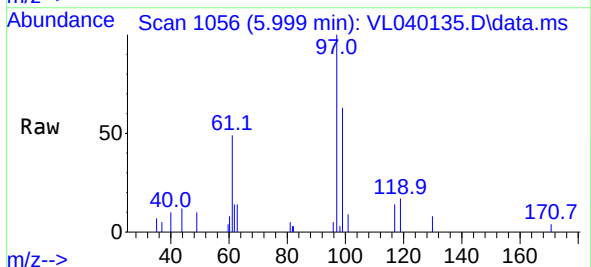
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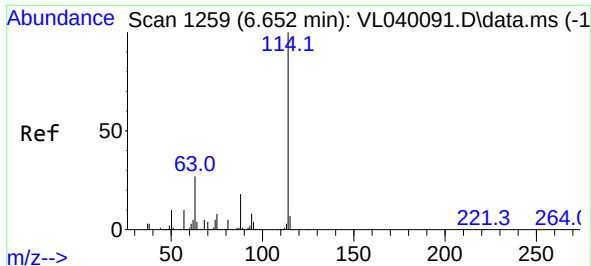
Reviewed By :Semsettin Yesilyurt 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.099 ppbv m
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.010 min
 Lab File: VL040135.D
 Acq: 30 Jan 2023 16:31

Tgt Ion: 97 Resp: 12189
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.8 77.6#
 61 57.9 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL040135.D

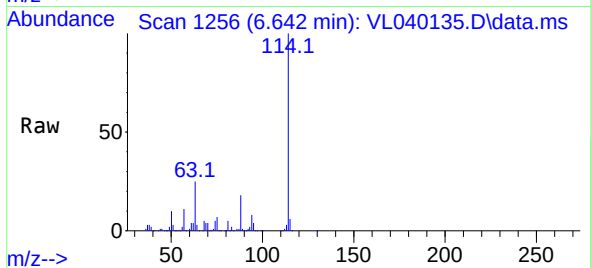
Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022



Tgt Ion:114 Resp: 215295

Ion Ratio Lower Upper

114 100

63 25.7 21.8 32.8

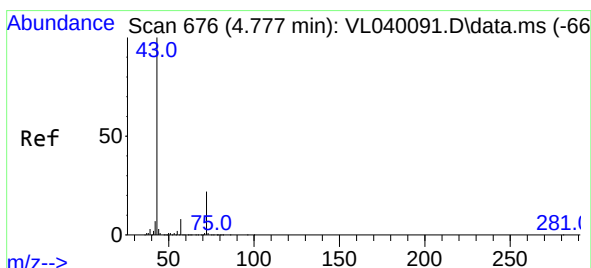
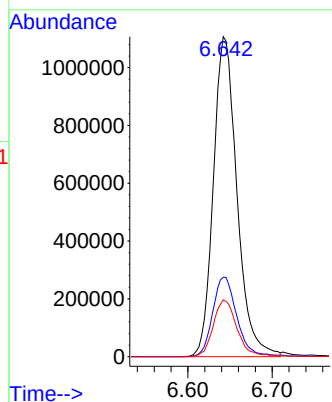
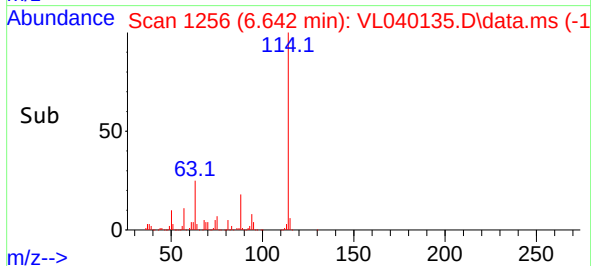
88 18.0 14.8 22.2

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Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023



#34

2-Butanone

Concen: 0.114 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.032 min

Lab File: VL040135.D

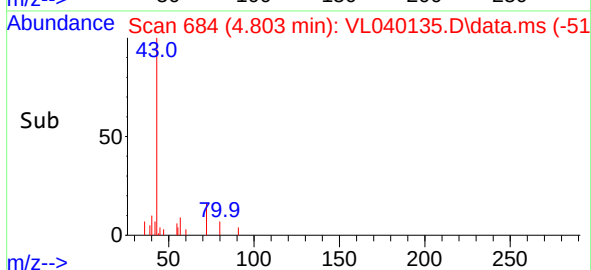
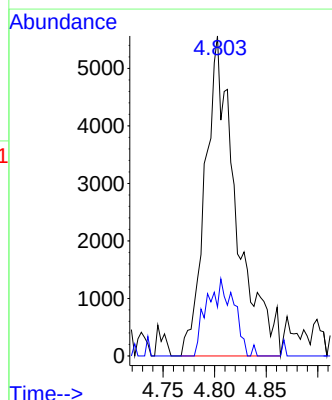
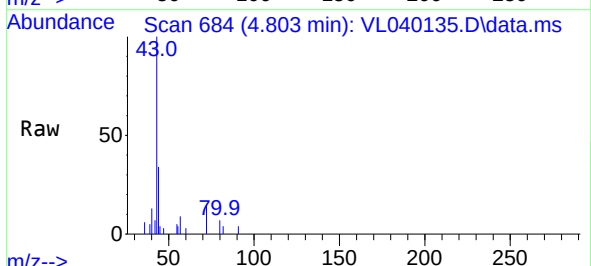
Acq: 30 Jan 2023 16:31

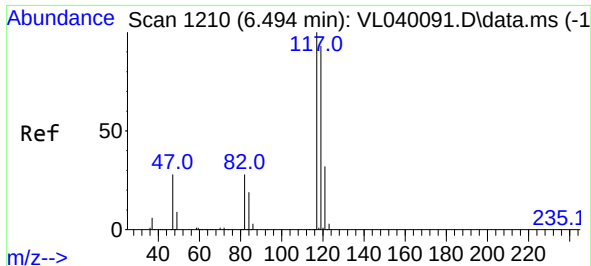
Tgt Ion: 43 Resp: 11659

Ion Ratio Lower Upper

43 100

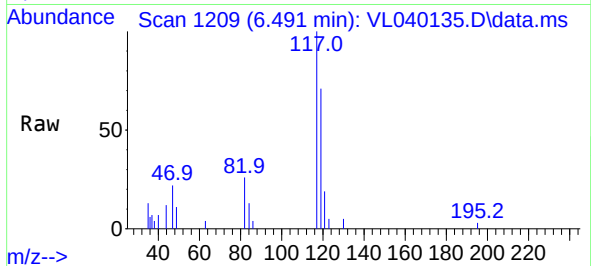
72 0.0 18.4 27.6#





#35
Carbon Tetrachloride
Concen: 0.098 ppbv m
RT: 6.491 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

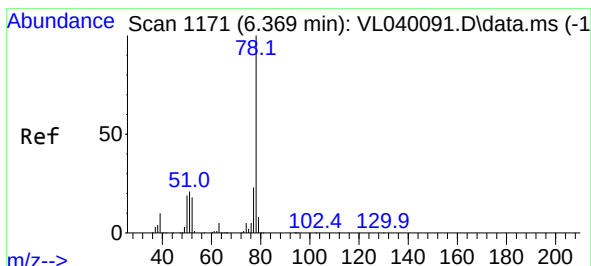
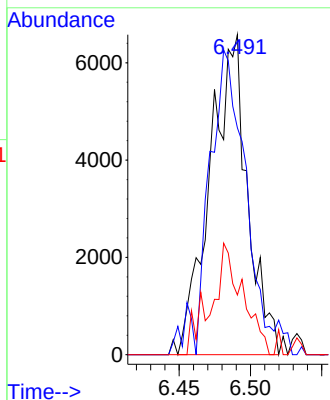
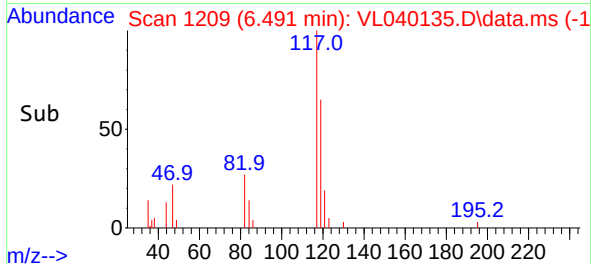
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 117 Resp: 1198
Ion Ratio Lower Upper
117 100
119 70.9 74.5 111.7
121 18.7 25.4 38.0

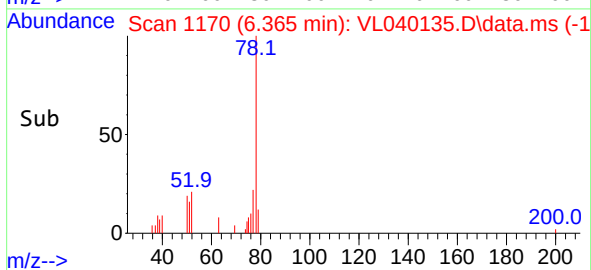
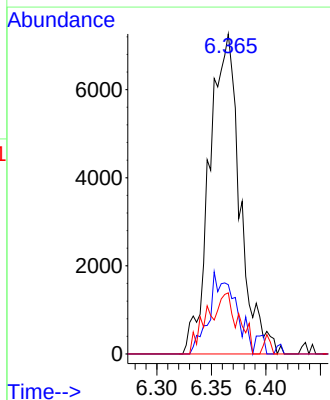
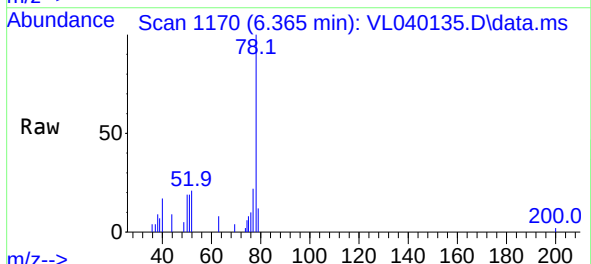
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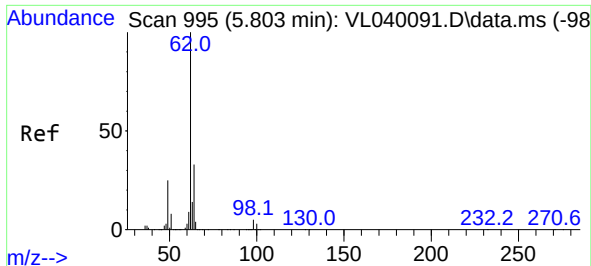
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#36
Benzene
Concen: 0.088 ppbv m
RT: 6.365 min Scan# 1170
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

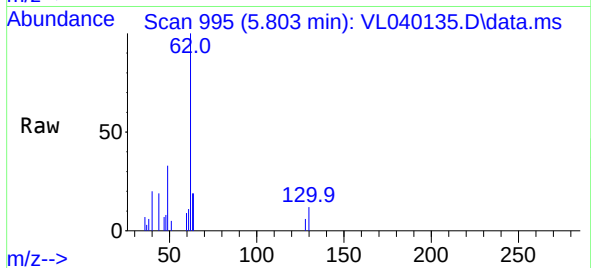
Tgt Ion: 78 Resp: 14036
Ion Ratio Lower Upper
78 100
77 21.6 18.1 27.1
50 19.1 15.6 23.4





#37
1,2-Dichloroethane
Concen: 0.097 ppbv m
RT: 5.803 min Scan# 995
Delta R.T. 0.013 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

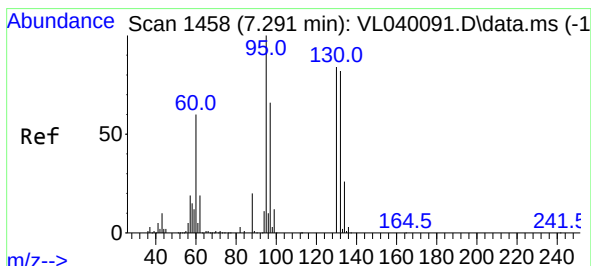
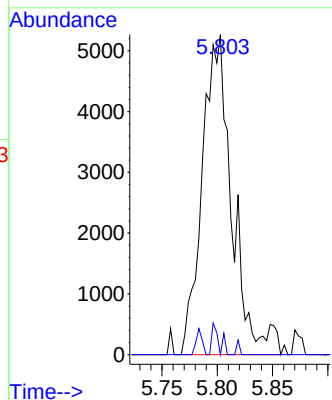
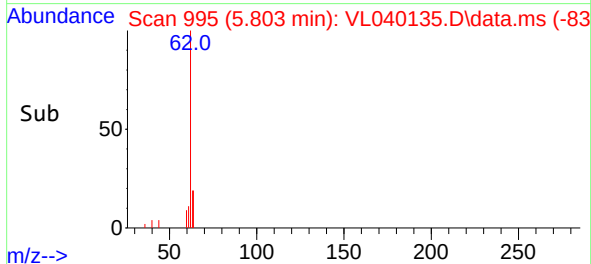
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



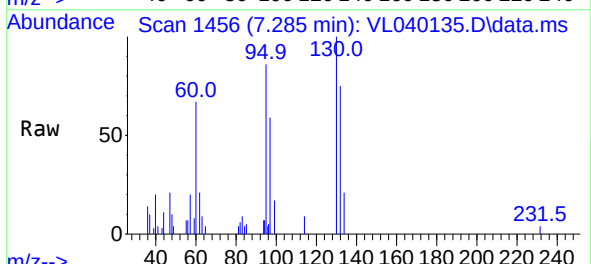
Tgt Ion: 62 Resp: 9894
Ion Ratio Lower Upper
62 100
98 4.5 4.4 6.6

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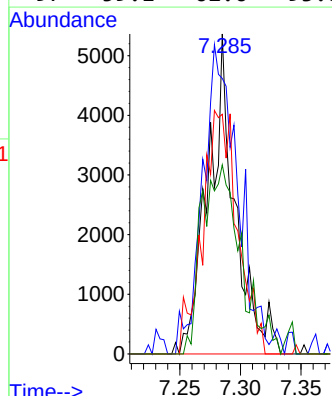
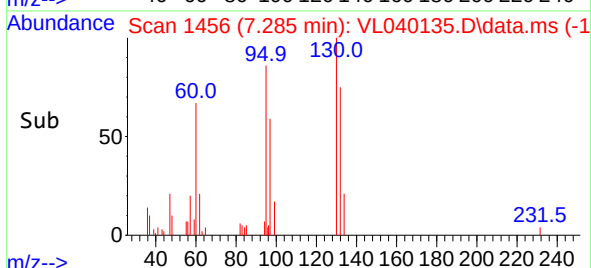
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

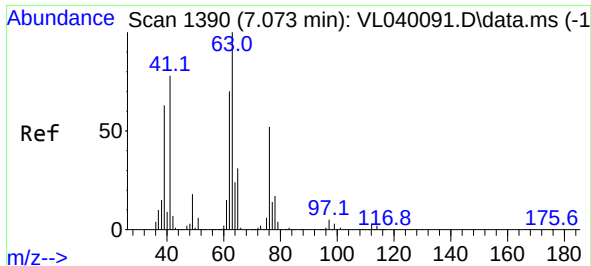


#38
Trichloroethene
Concen: 0.092 ppbv m
RT: 7.285 min Scan# 1456
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



Tgt Ion:130 Resp: 8280
Ion Ratio Lower Upper
130 100
95 86.1 95.0 142.6#
132 74.9 77.9 116.9#
97 59.1 62.6 93.8#





#39

1,2-Dichloropropane

Concen: 0.115 ppbv m

RT: 7.066 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

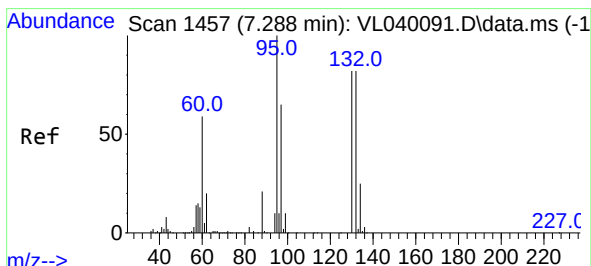
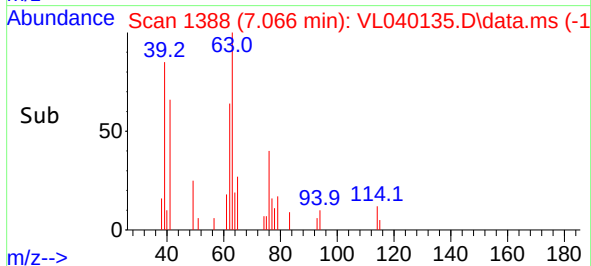
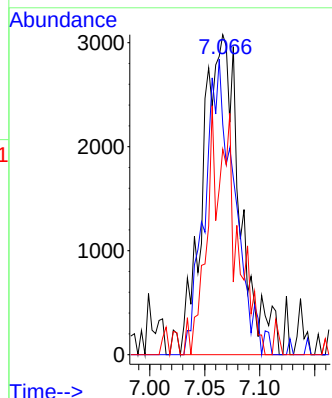
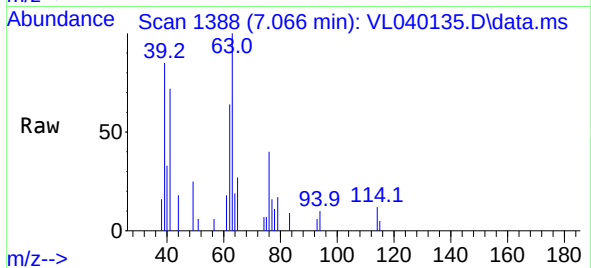
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 63	Resp: 718
Ion Ratio	Lower Upper
63 100	
41 72.0	62.2 93.4
62 64.2	55.8 83.8

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Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#40

1,4-Dioxane

Concen: 0.086 ppbv m

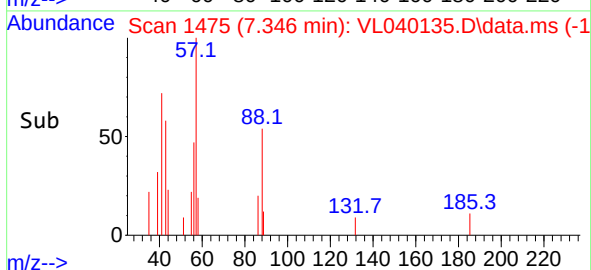
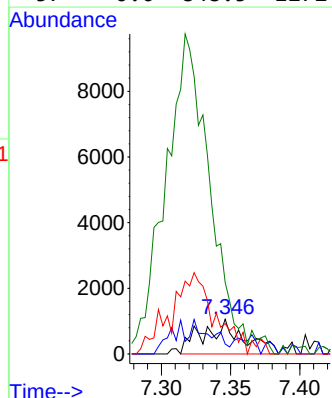
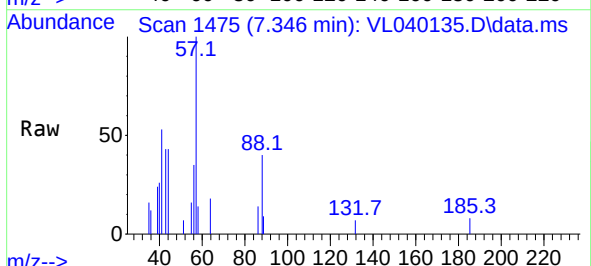
RT: 7.346 min Scan# 1475

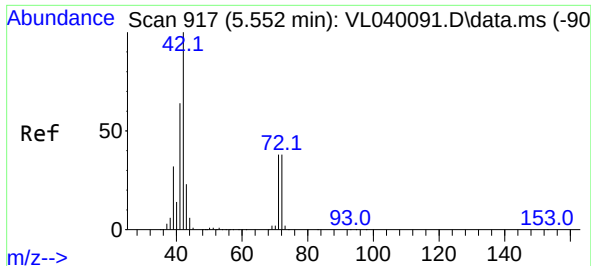
Delta R.T. 0.071 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

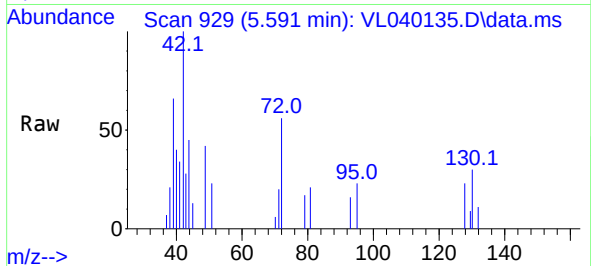
Tgt Ion: 88	Resp: 2118
Ion Ratio	Lower Upper
88 100	
58 0.0	97.5 146.3#
43 0.0	195.0 292.4#
57 0.0	848.5 1272.7#





#41
Tetrahydrofuran
Concen: 0.083 ppbv m
RT: 5.591 min Scan# 917
Delta R.T. 0.048 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

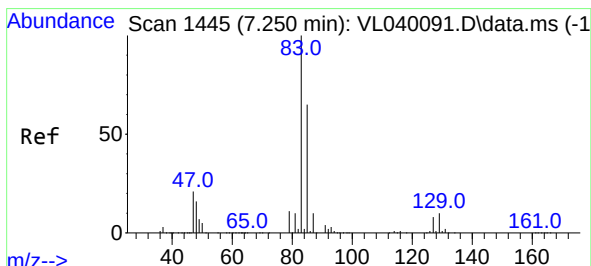
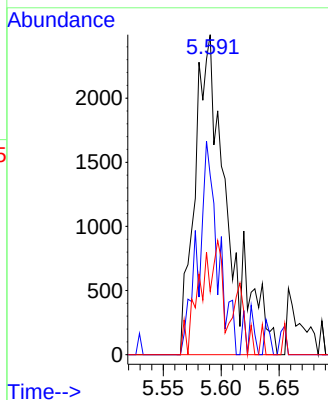
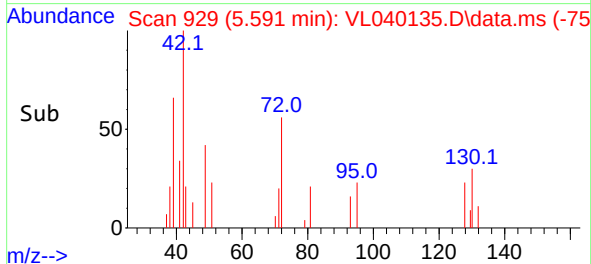
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 42 Resp: 489
Ion Ratio Lower Upper
42 100
72 0.0 31.9 47.9#
71 0.0 31.4 47.2#

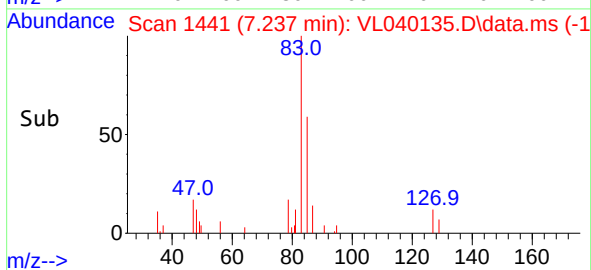
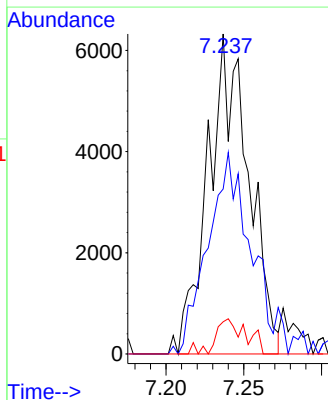
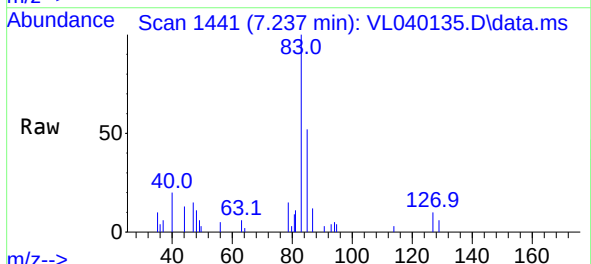
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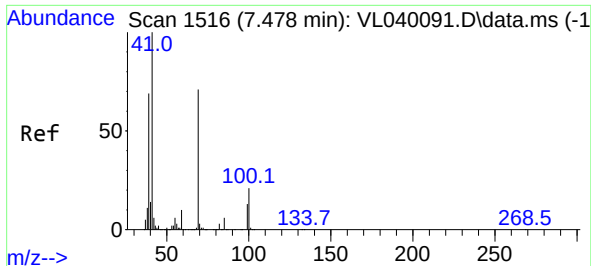
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#42
Bromodichloromethane
Concen: 0.083 ppbv m
RT: 7.237 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

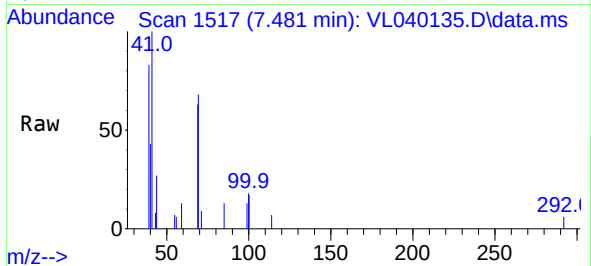
Tgt Ion: 83 Resp: 11482
Ion Ratio Lower Upper
83 100
85 51.5 51.7 77.5#
127 10.1 6.2 9.2#





#43
Methyl Methacrylate
Concen: 0.085 ppbv m
RT: 7.481 min Scan# 1516
Delta R.T. 0.016 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

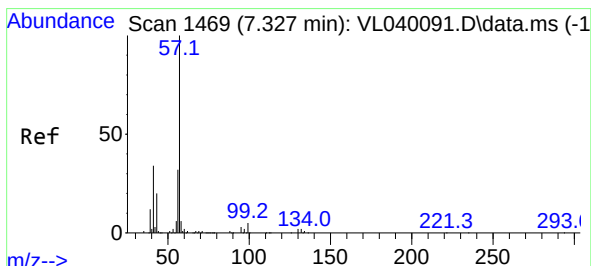
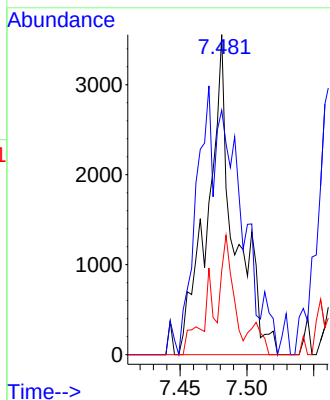
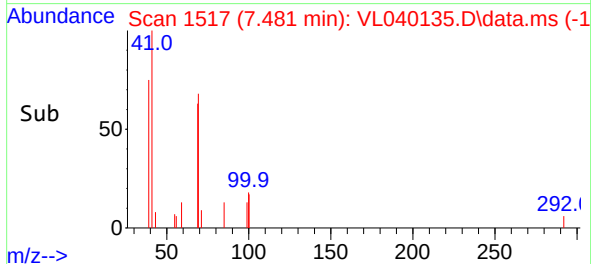
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 69 Resp: 4974
Ion Ratio Lower Upper
69 100
41 133.1 118.2 177.2
100 0.0 24.2 36.4

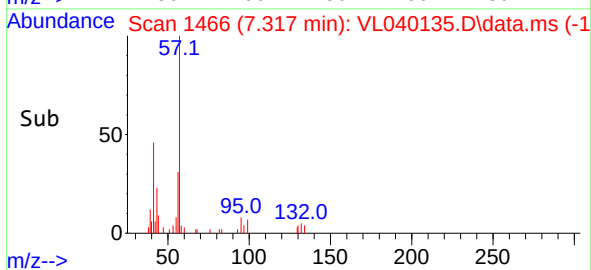
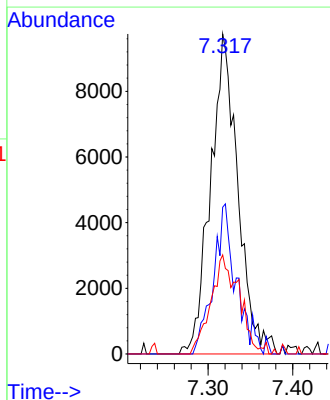
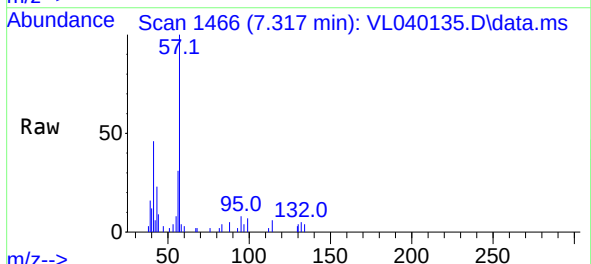
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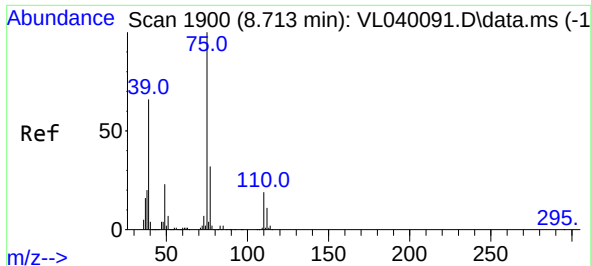
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#44
2,2,4-Trimethylpentane
Concen: 0.083 ppbv m
RT: 7.317 min Scan# 1466
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Tgt Ion: 57 Resp: 21936
Ion Ratio Lower Upper
57 100
41 40.2 27.1 40.7
56 32.1 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 0.065 ppbv m

RT: 8.709 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 75 Resp: 3408

Ion Ratio Lower Upper

75 100

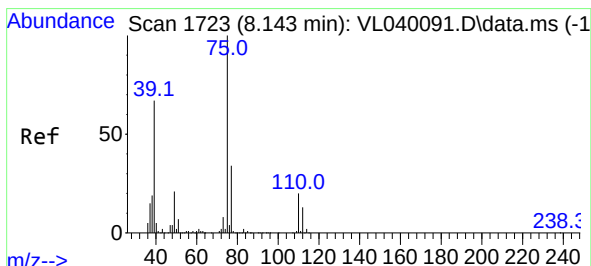
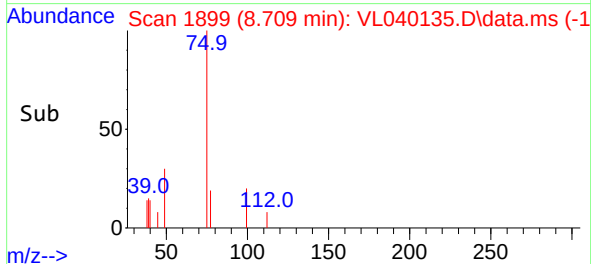
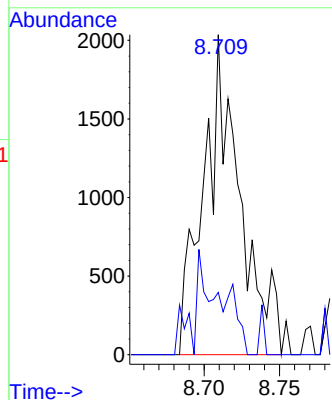
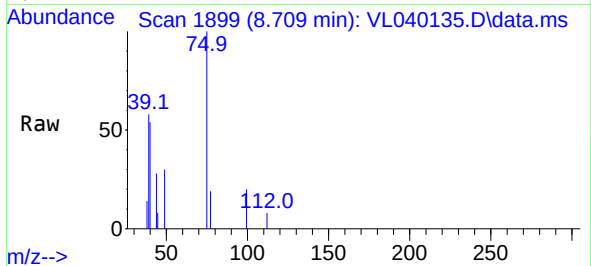
77 19.4 25.6 38.4

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Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023



#46

cis-1,3-Dichloropropene

Concen: 0.081 ppbv m

RT: 8.134 min Scan# 1720

Delta R.T. 0.003 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

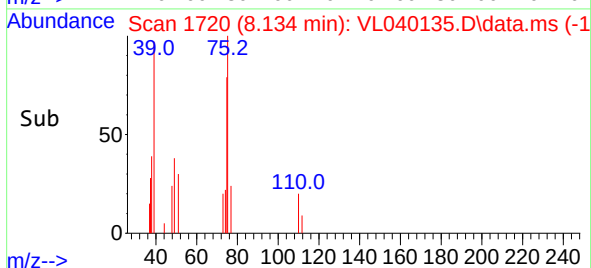
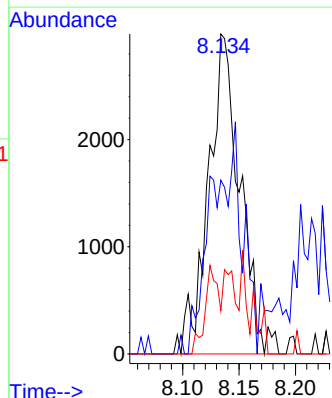
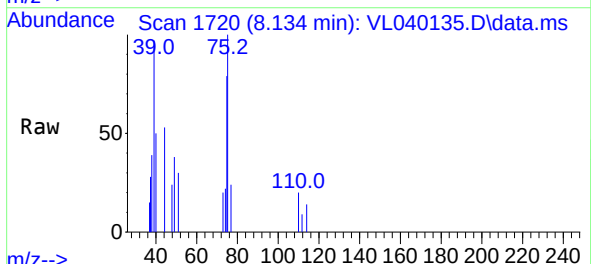
Tgt Ion: 75 Resp: 5784

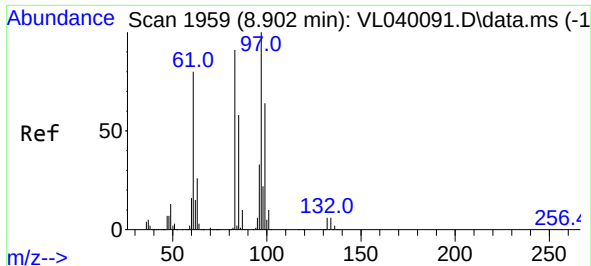
Ion Ratio Lower Upper

75 100

39 97.4 53.6 80.4#

77 24.2 26.9 40.3#





#47

1,1,2-Trichloroethane

Concen: 0.099 ppbv m

RT: 8.896 min Scan# 1959

Delta R.T. 0.010 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022

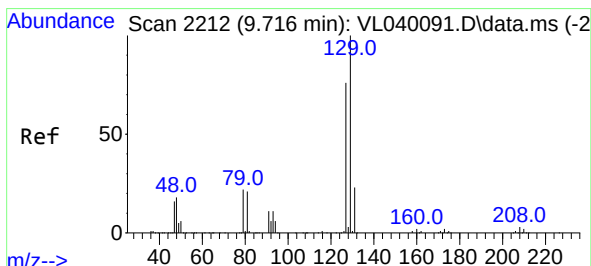
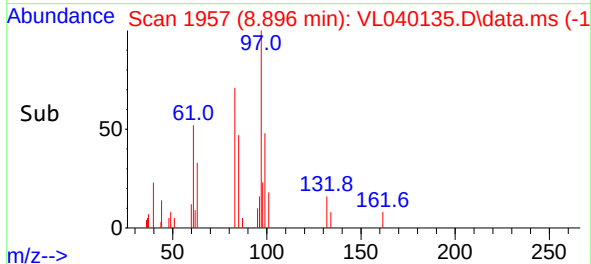
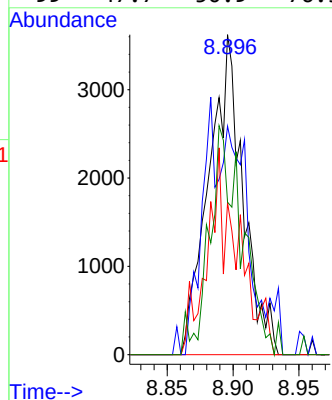
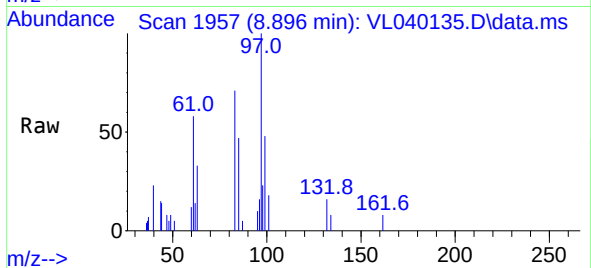
Tgt Ion:	97	Resp:	650
Ion	Ratio	Lower	Upper
97	100		
83	71.4	72.9	109.3
85	47.5	46.0	69.0
99	47.7	50.9	76.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023



#48

Dibromochloromethane

Concen: 0.077 ppbv m

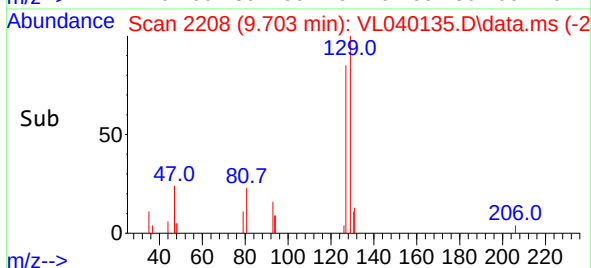
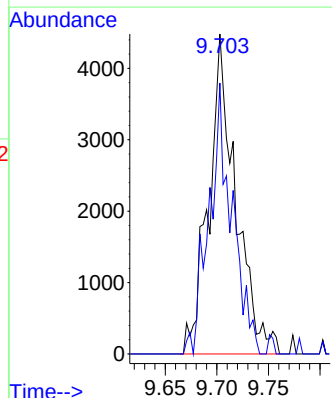
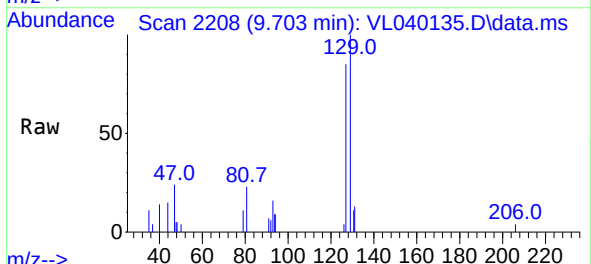
RT: 9.703 min Scan# 2208

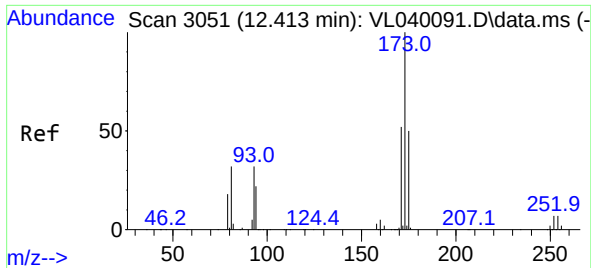
Delta R.T. 0.003 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

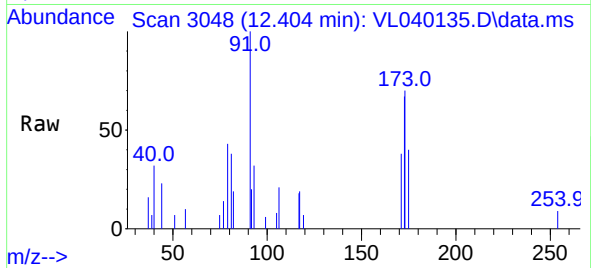
Tgt Ion:	129	Resp:	8158
Ion	Ratio	Lower	Upper
129	100		
127	73.5	39.3	117.9





#49
Bromoform
Concen: 0.069 ppbv m
RT: 12.404 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

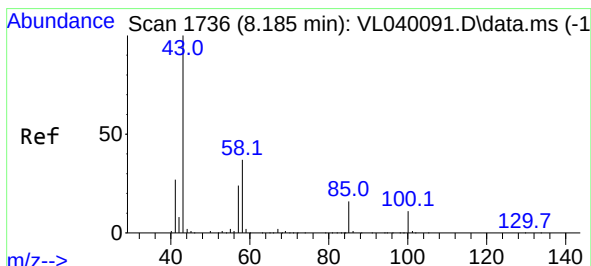
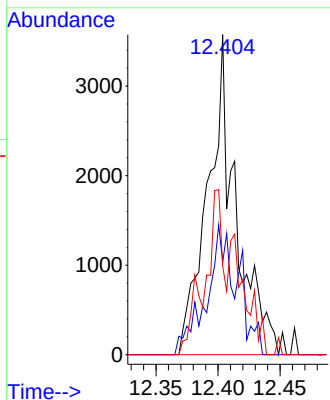
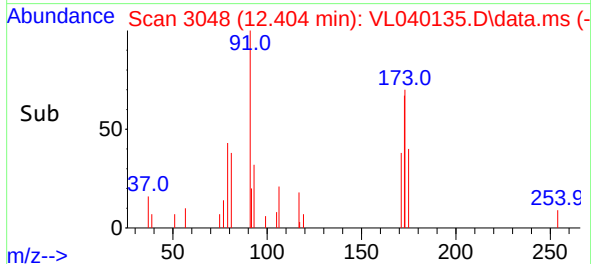
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 173 Resp: 564
Ion Ratio Lower Upper
173 100
175 44.6 39.7 59.5
171 56.8 42.2 63.2

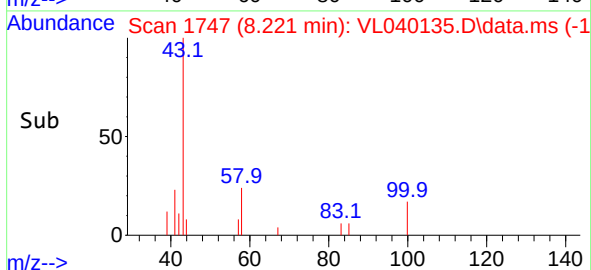
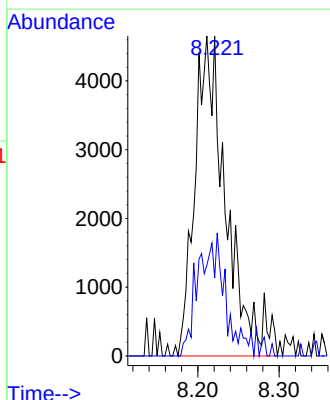
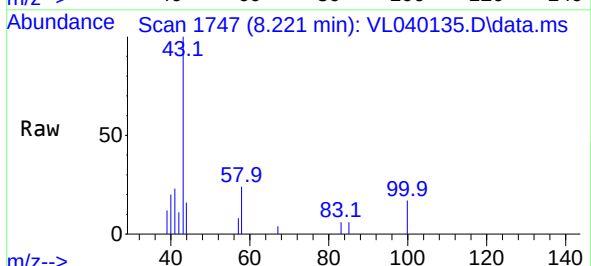
Manual Integrations
APPROVED

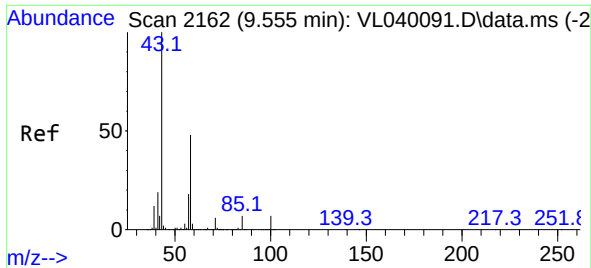
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#50
4-Methyl-2-Pentanone
Concen: 0.078 ppbv m
RT: 8.221 min Scan# 1747
Delta R.T. 0.052 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

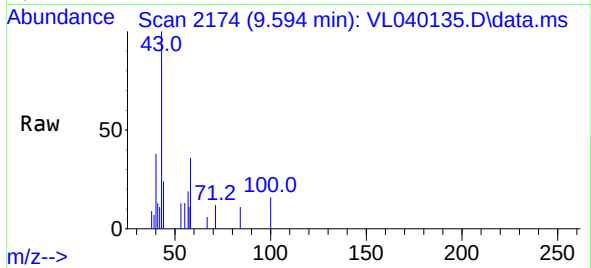
Tgt Ion: 43 Resp: 12466
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#51
2-Hexanone
Concen: 0.067 ppbv m
RT: 9.594 min Scan# 2162
Delta R.T. 0.052 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

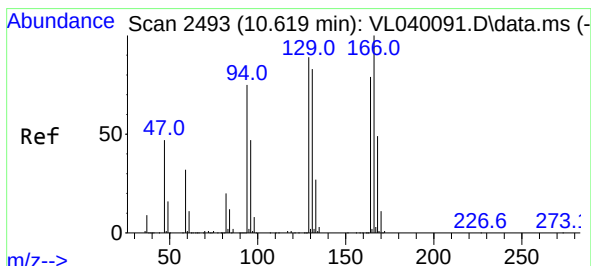
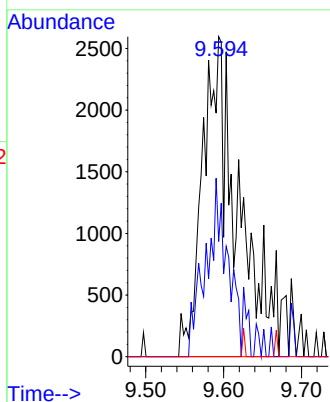
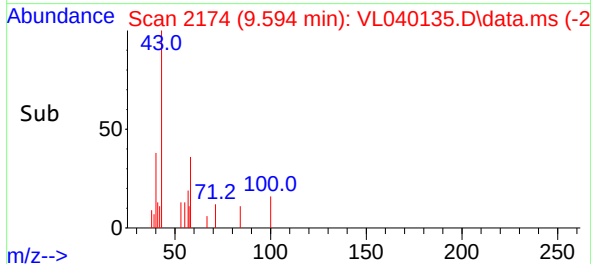
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



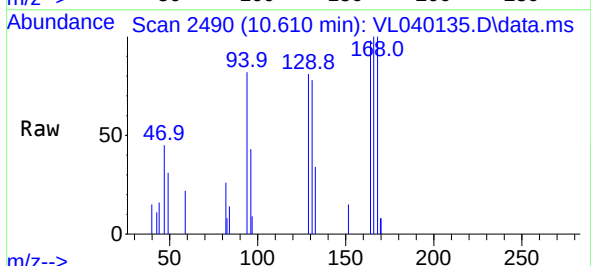
Tgt Ion: 43 Resp: 8130
Ion Ratio Lower Upper
43 100
58 0.0 37.5 56.3#
98 0.0 0.4 0.6#

Manual Integrations
APPROVED

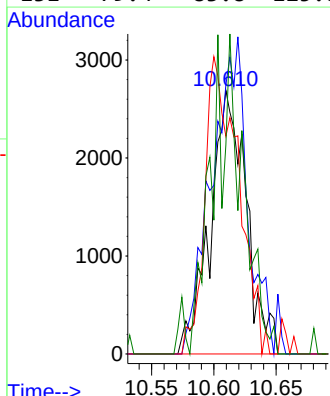
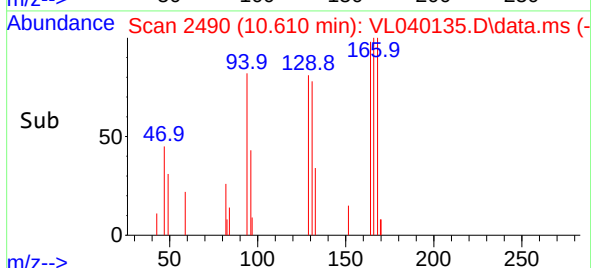
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

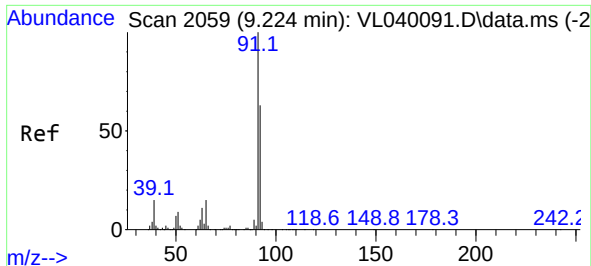


#52
Tetrachloroethene
Concen: 0.104 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



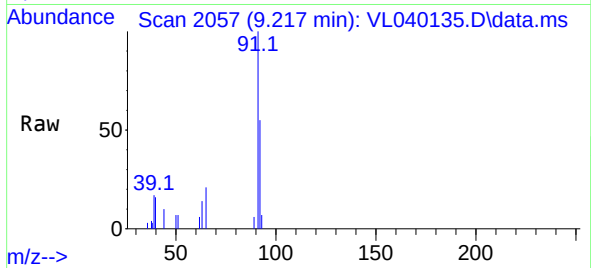
Tgt Ion:164 Resp: 5417
Ion Ratio Lower Upper
164 100
166 102.2 101.2 151.8
129 82.7 90.2 135.2#
131 79.4 83.8 125.8#





#53
Toluene
Concen: 0.072 ppbv m
RT: 9.217 min Scan# 2057
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

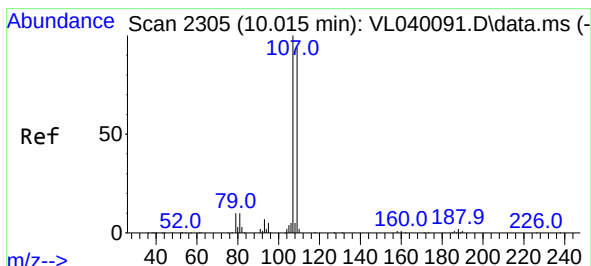
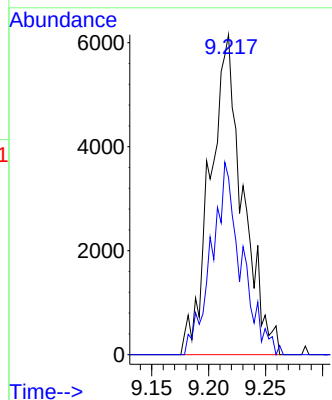
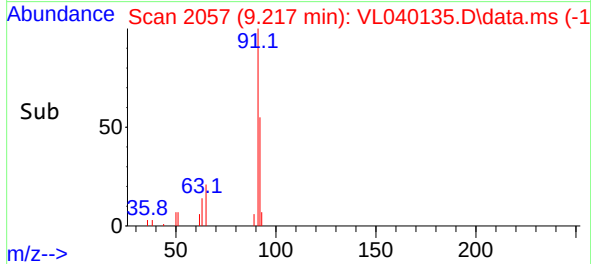
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



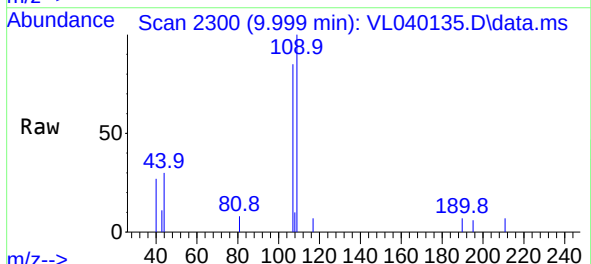
Tgt Ion: 91 Resp: 1227
Ion Ratio Lower Upper
91 100
92 55.1 48.3 72.5

Manual Integrations
APPROVED

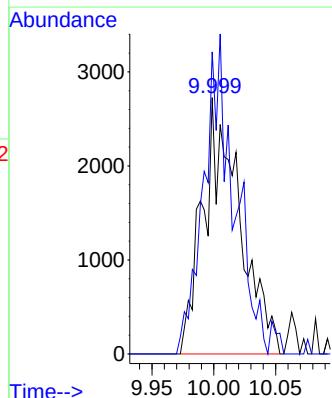
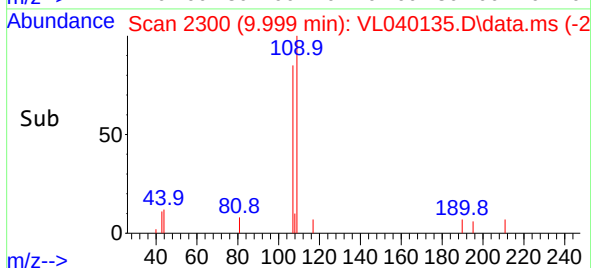
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

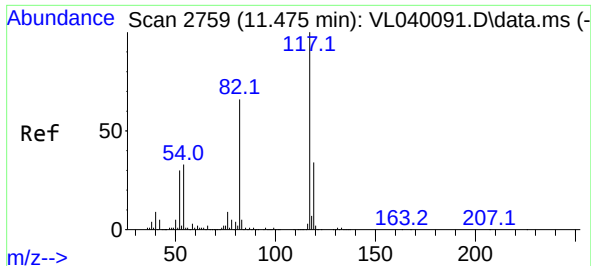


#54
1,2-Dibromoethane
Concen: 0.082 ppbv m
RT: 9.999 min Scan# 2300
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



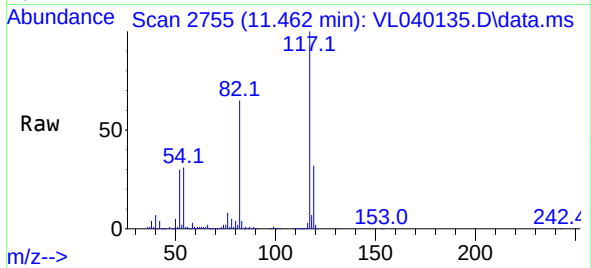
Tgt Ion:107 Resp: 5657
Ion Ratio Lower Upper
107 100
109 117.9 75.0 112.4#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

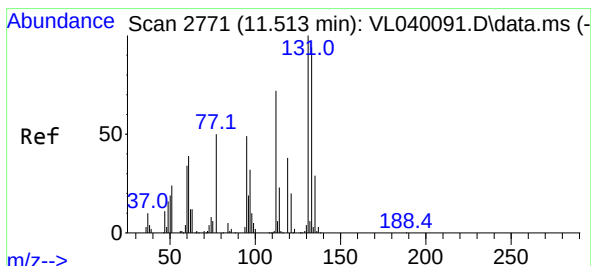
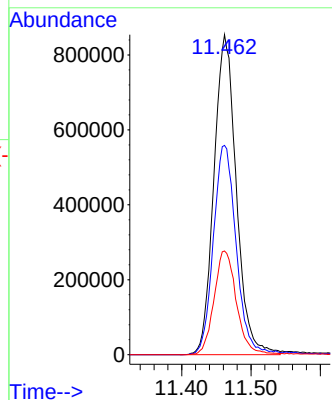
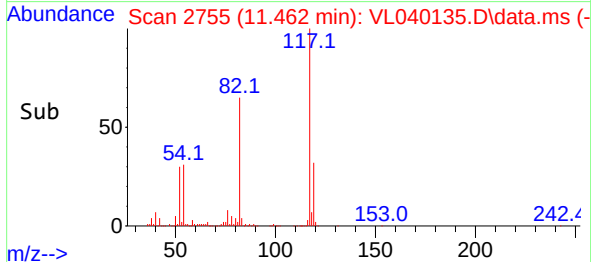
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion:117 Resp: 1915754
Ion Ratio Lower Upper
117 100
82 67.3 54.4 81.6
119 33.0 26.8 40.2

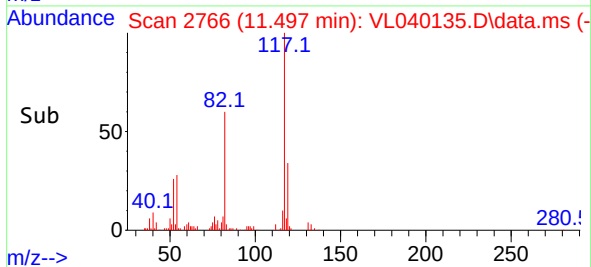
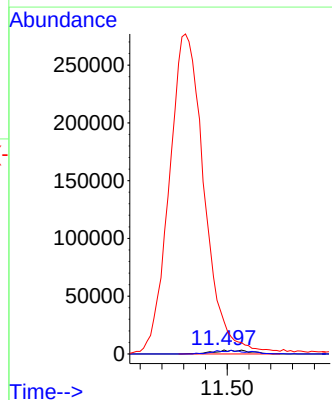
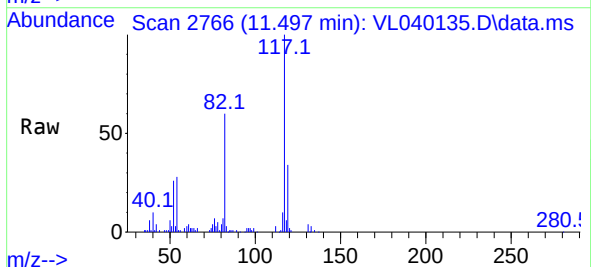
Manual Integrations
APPROVED

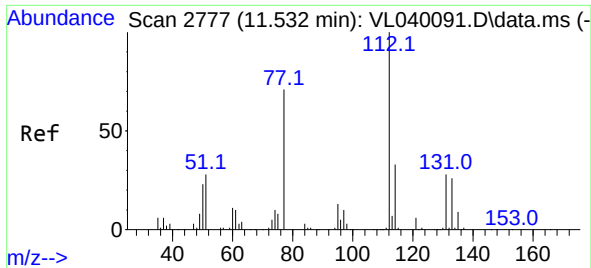
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.100 ppbv m
RT: 11.497 min Scan# 2766
Delta R.T. -0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

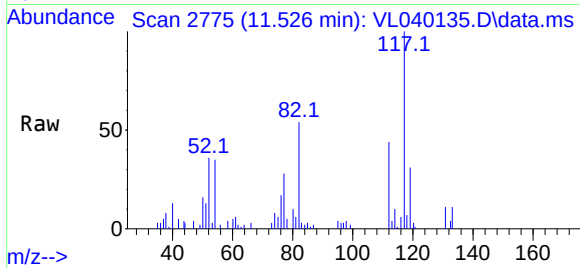
Tgt Ion:131 Resp: 7450
Ion Ratio Lower Upper
131 100
133 90.9 75.6 113.4
119 0.0 47.2 70.8#





#57
Chlorobenzene
Concen: 0.105 ppbv m
RT: 11.526 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

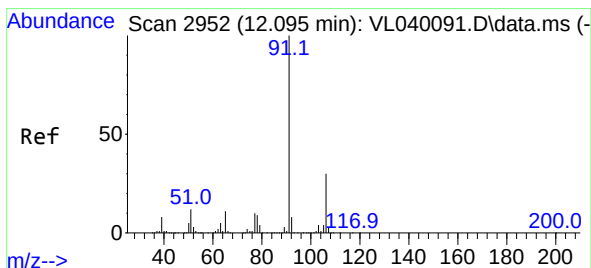
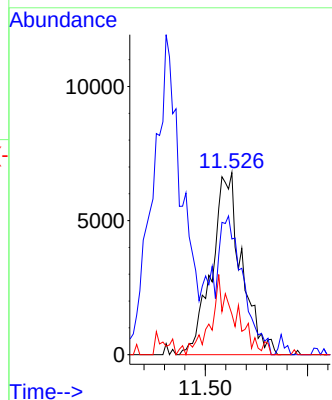
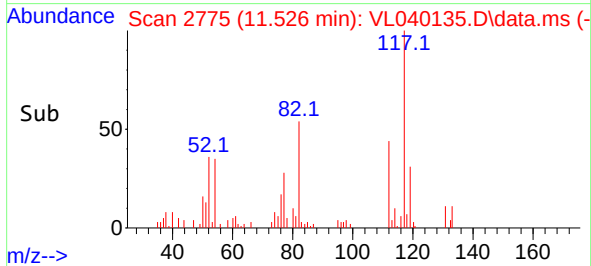
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion:112 Resp: 1370
Ion Ratio Lower Upper
112 100
77 63.5 57.3 85.9
114 22.2 29.6 36.2

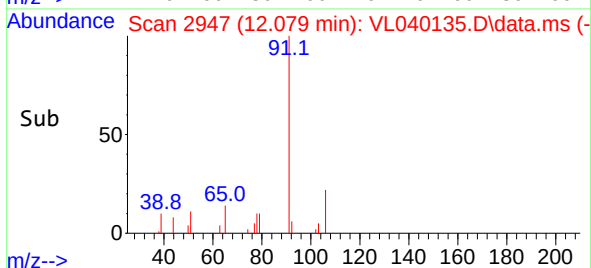
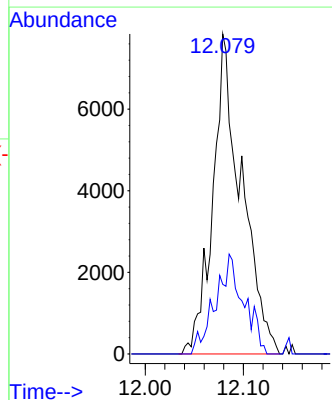
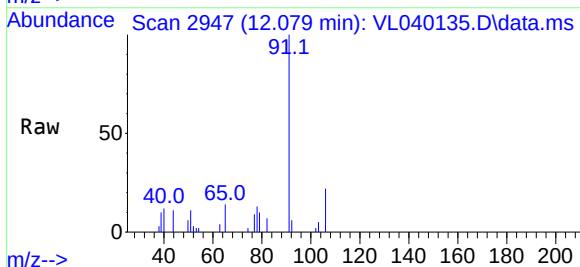
Manual Integrations
APPROVED

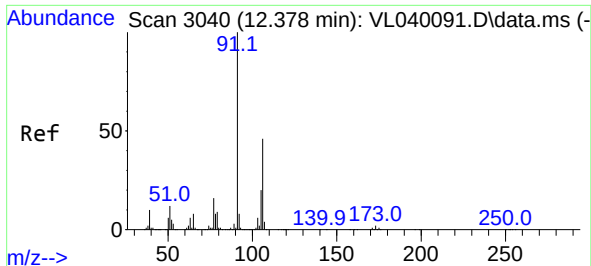
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#58
Ethyl Benzene
Concen: 0.075 ppbv m
RT: 12.079 min Scan# 2947
Delta R.T. -0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Tgt Ion: 91 Resp: 15940
Ion Ratio Lower Upper
91 100
106 21.7 23.7 35.5#





#59

m/p-Xylene

Concen: 0.123 ppbv m

RT: 12.368 min Scan# 3040

Delta R.T. 0.003 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

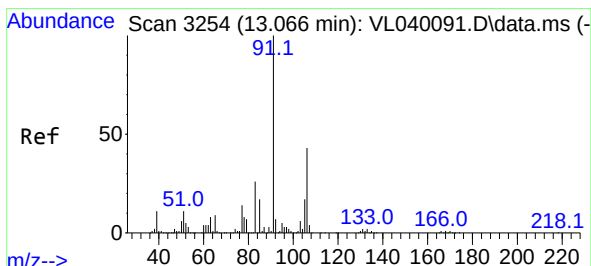
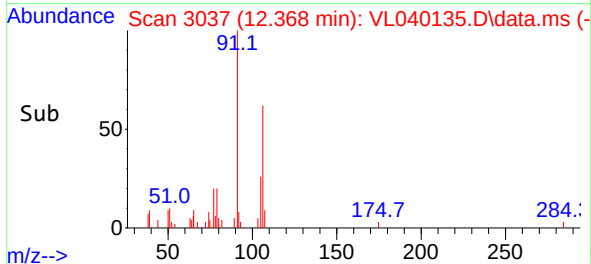
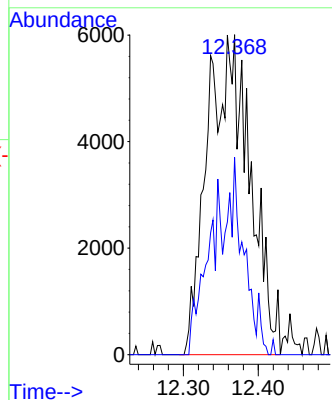
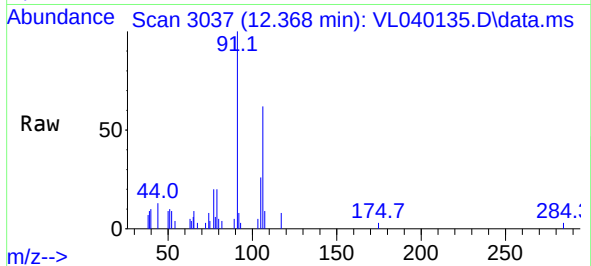
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 91 Resp: 23615
 Ion Ratio Lower Upper
 91 100
 106 44.2 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023



#60

o-Xylene

Concen: 0.059 ppbv m

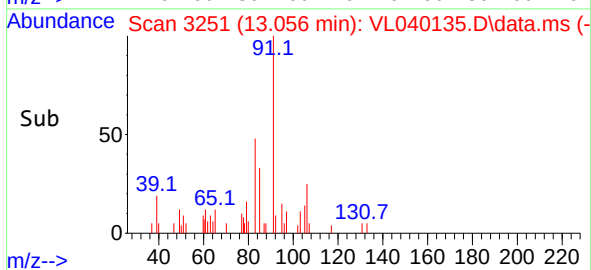
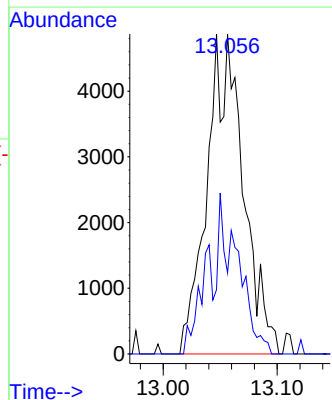
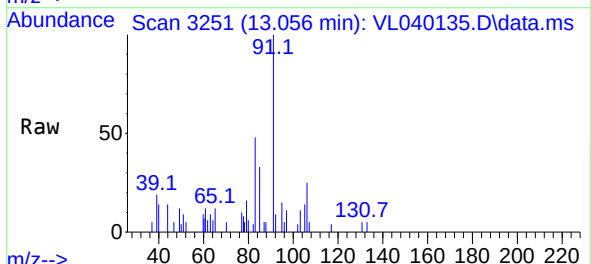
RT: 13.056 min Scan# 3251

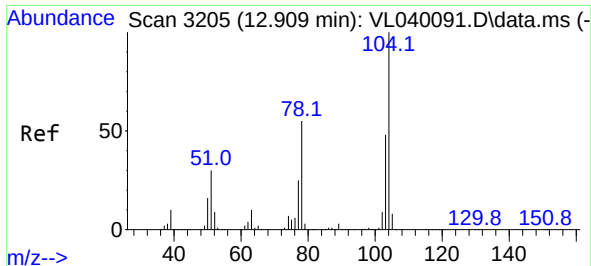
Delta R.T. 0.007 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

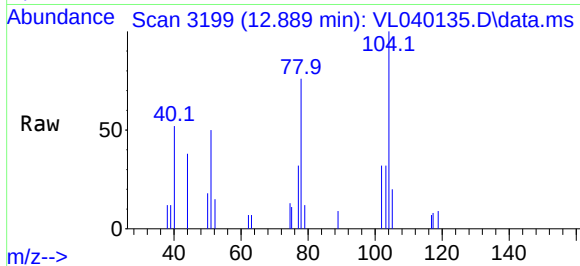
Tgt Ion: 91 Resp: 10755
 Ion Ratio Lower Upper
 91 100
 106 0.0 21.6 64.8#





#61
Styrene
Concen: 0.055 ppbv m
RT: 12.889 min Scan# 3199
Delta R.T. -0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

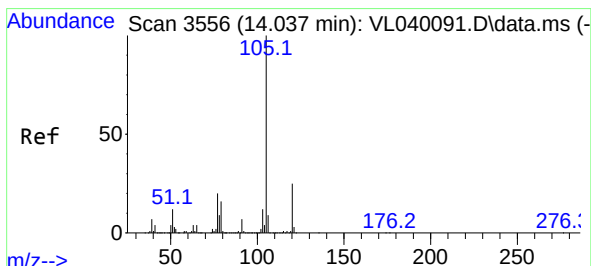
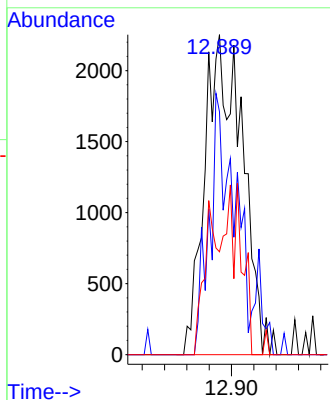
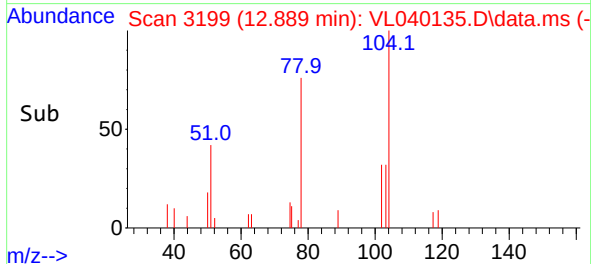
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



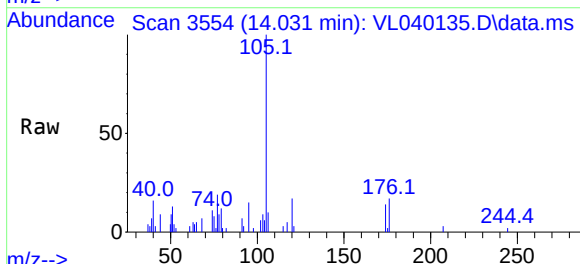
Tgt Ion:104 Resp: 525
Ion Ratio Lower Upper
104 100
78 0.0 44.0 66.0
103 41.5 37.8 56.6

Manual Integrations
APPROVED

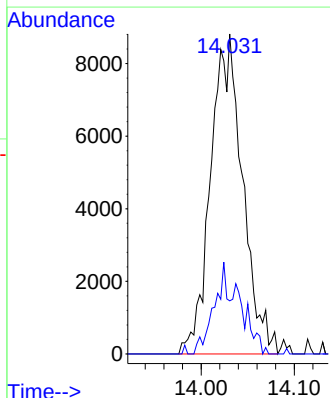
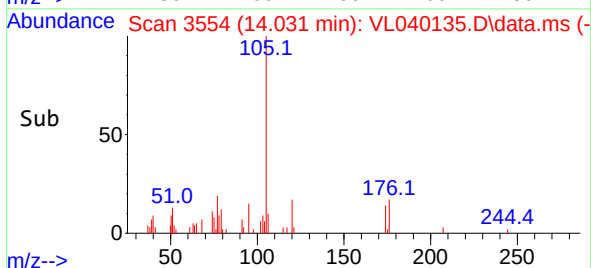
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

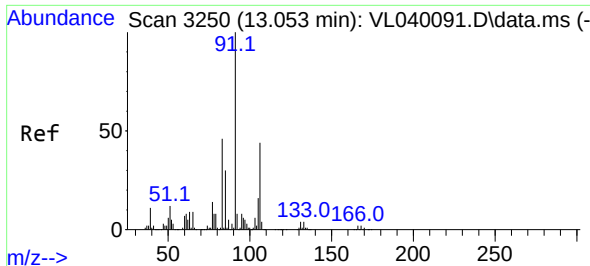


#62
Isopropylbenzene
Concen: 0.080 ppbv m
RT: 14.031 min Scan# 3554
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



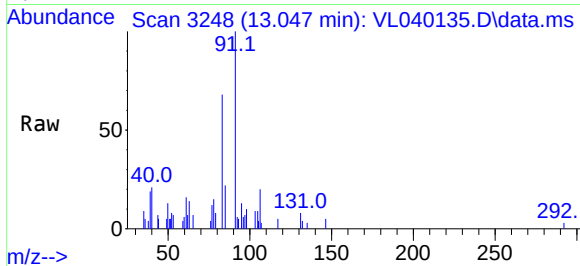
Tgt Ion:105 Resp: 21015
Ion Ratio Lower Upper
105 100
120 0.0 20.2 30.2#





#63
1,1,2,2-Tetrachloroethane
Concen: 0.097 ppbv m
RT: 13.047 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

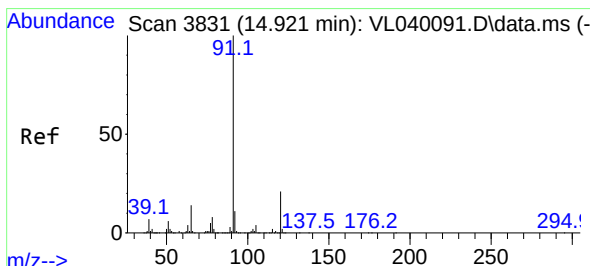
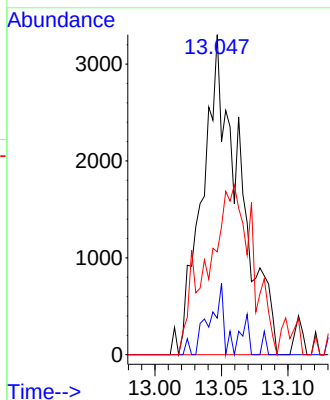
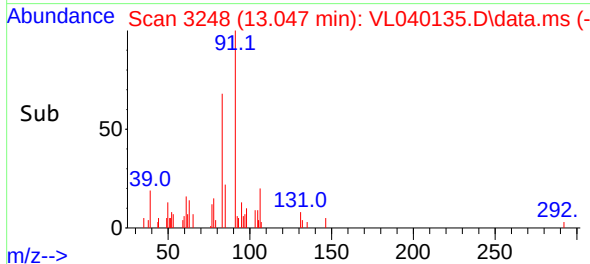
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



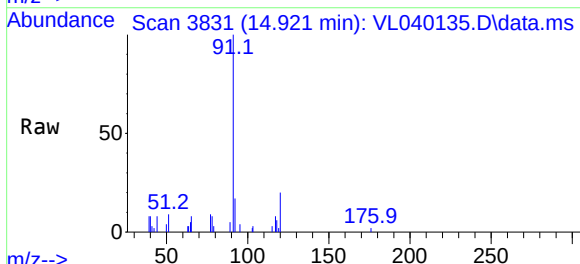
Tgt Ion: 83 Resp: 6430
Ion Ratio Lower Upper
83 100
131 12.1 4.3 13.1
85 0.0 32.5 97.5

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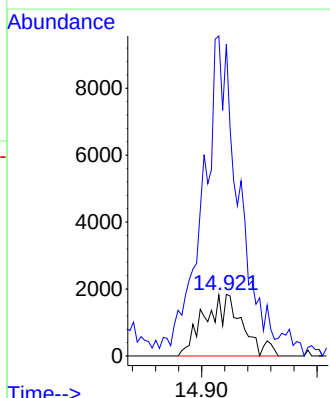
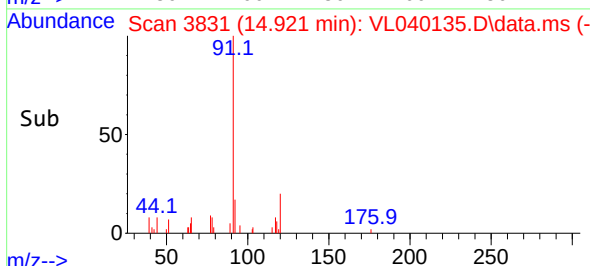
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

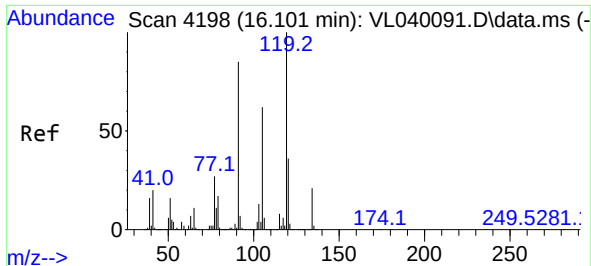


#64
n-propylbenzene
Concen: 0.064 ppbv m
RT: 14.921 min Scan# 3831
Delta R.T. 0.010 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



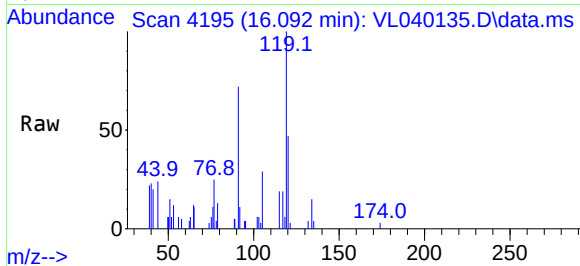
Tgt Ion:120 Resp: 4196
Ion Ratio Lower Upper
120 100
91 528.2 397.0 595.4





#65
tert-Butylbenzene
Concen: 0.058 ppbv m
RT: 16.092 min Scan# 4198
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

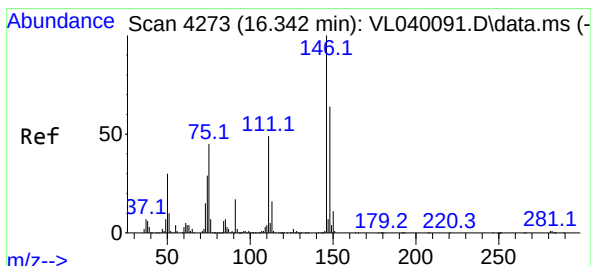
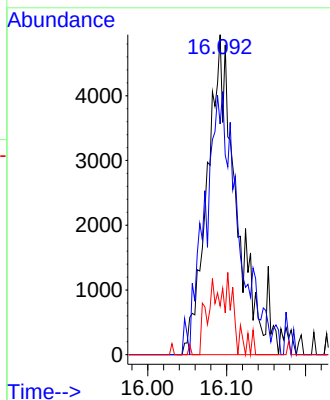
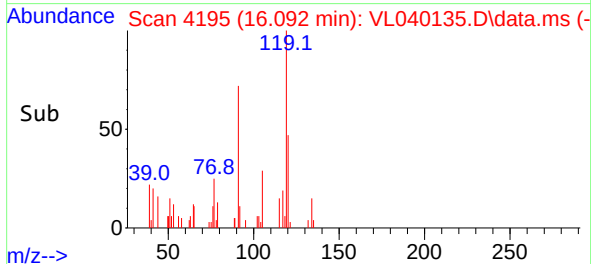
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 119 Resp: 1295
Ion Ratio Lower Upper
119 100
91 96.2 69.5 104.3
134 19.5 15.8 23.8

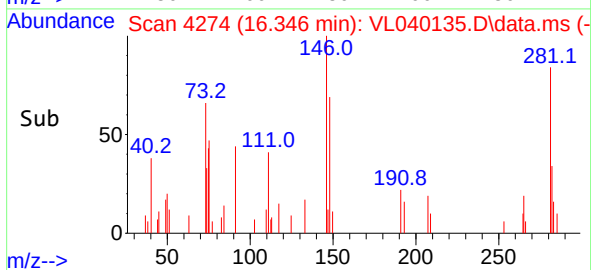
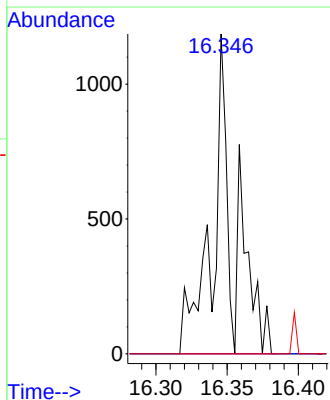
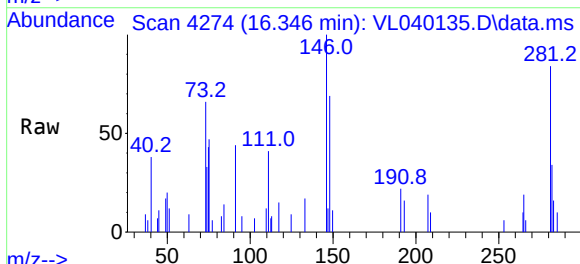
Manual Integrations
APPROVED

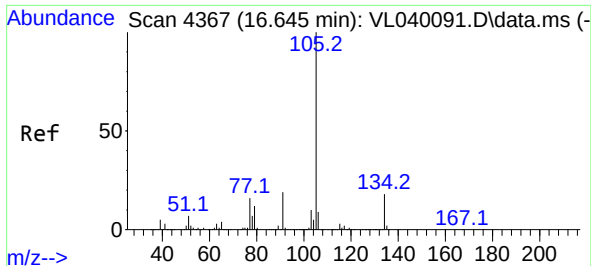
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#66
Benzyl Chloride
Concen: 0.080 ppbv m
RT: 16.346 min Scan# 4274
Delta R.T. 0.023 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Tgt Ion: 91 Resp: 1228
Ion Ratio Lower Upper
91 100
126 0.0 11.5 17.3#
128 0.0 0.0 0.0





#67

sec-Butylbenzene

Concen: 0.063 ppbv m

RT: 16.632 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

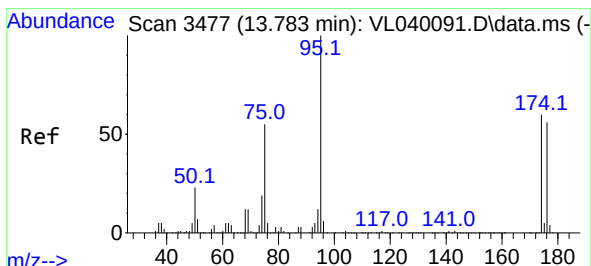
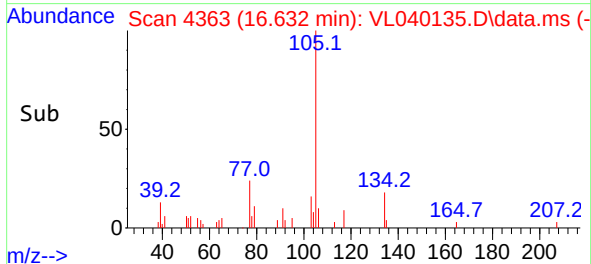
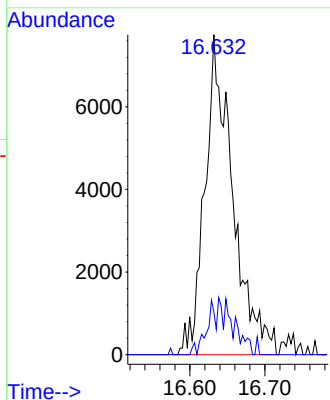
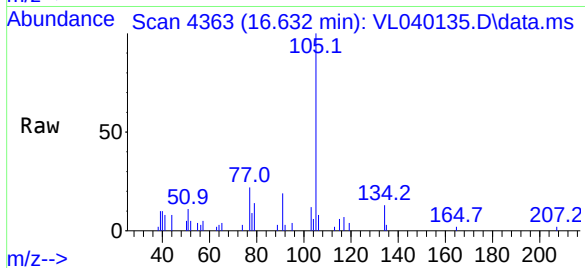
LOD-MDL-AIR-01-QT4-2022

Tgt Ion:105 Resp: 19974
 Ion Ratio Lower Upper
 105 100
 134 15.8 14.1 21.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.812 ppbv

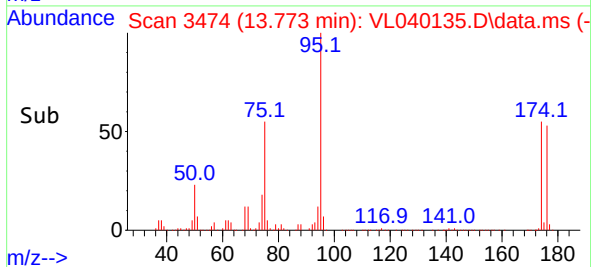
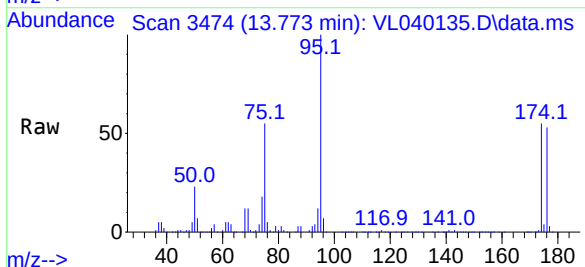
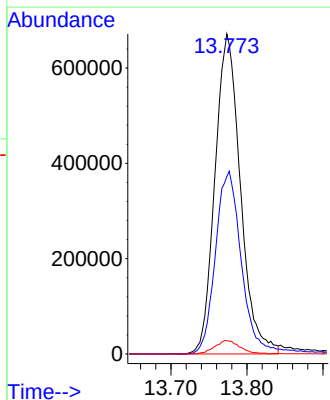
RT: 13.773 min Scan# 3474

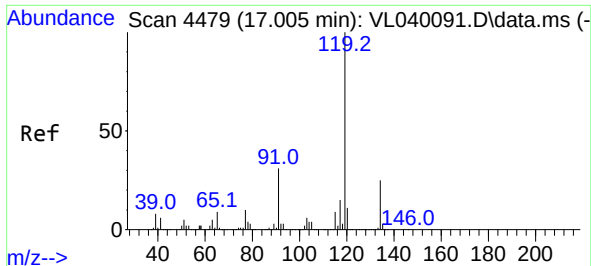
Delta R.T. 0.003 min

Lab File: VL040135.D

Acq: 30 Jan 2023 16:31

Tgt Ion: 95 Resp: 1562241
 Ion Ratio Lower Upper
 95 100
 174 59.8 47.7 71.5
 175 4.3 3.4 5.2





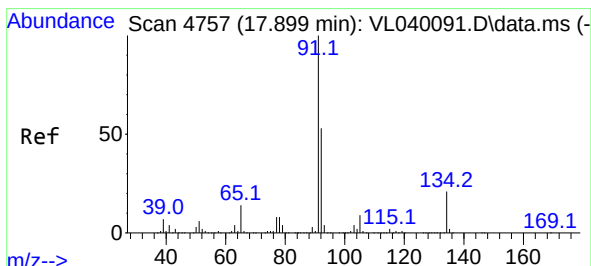
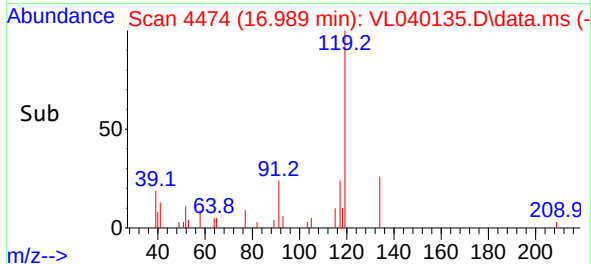
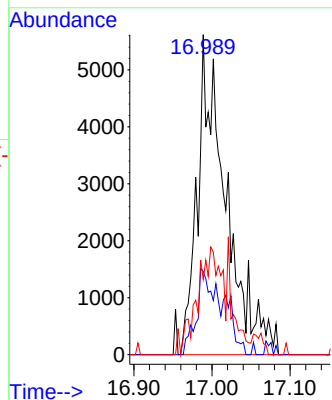
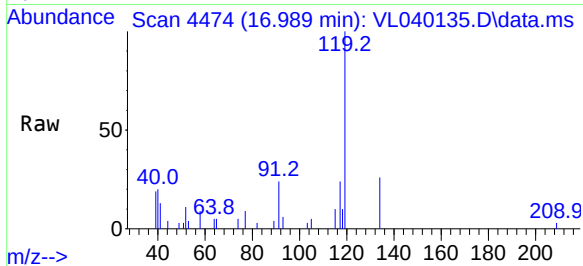
#69
p-Isopropyltoluene
Concen: 0.056 ppbv m
RT: 16.989 min Scan# 4479
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 119 Resp: 13994
Ion Ratio Lower Upper
119 100
134 25.2 20.1 30.1
91 0.0 25.0 37.4

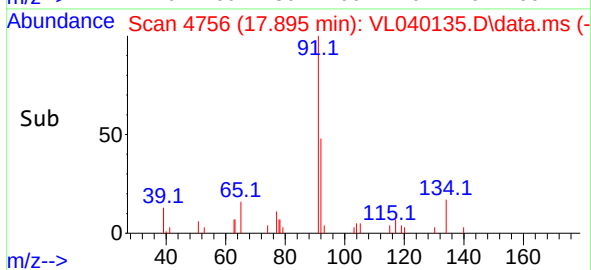
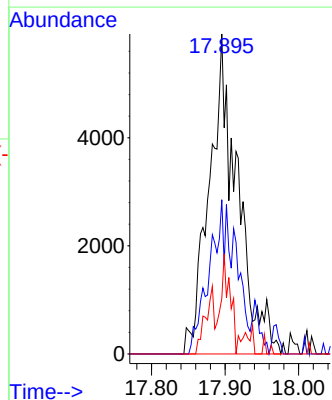
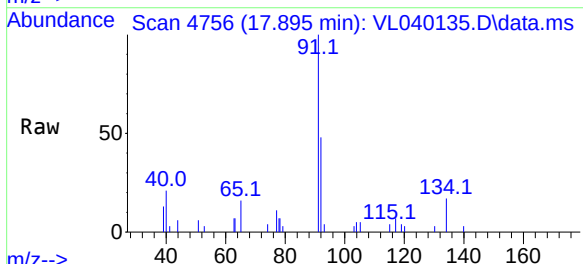
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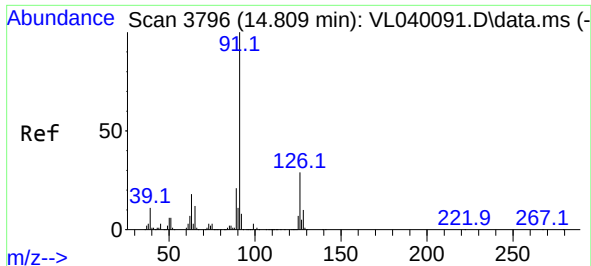
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#70
n-Butylbenzene
Concen: 0.059 ppbv m
RT: 17.895 min Scan# 4756
Delta R.T. 0.013 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Tgt Ion: 91 Resp: 15812
Ion Ratio Lower Upper
91 100
92 0.0 42.8 64.2#
134 0.0 16.9 25.3#





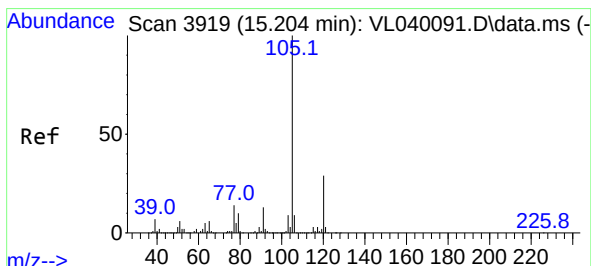
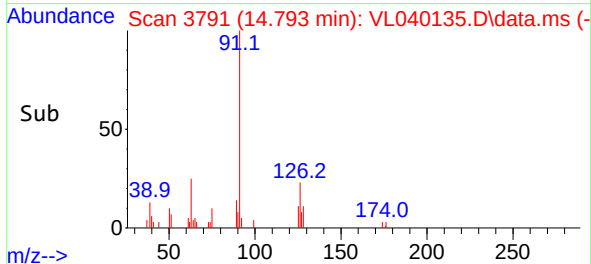
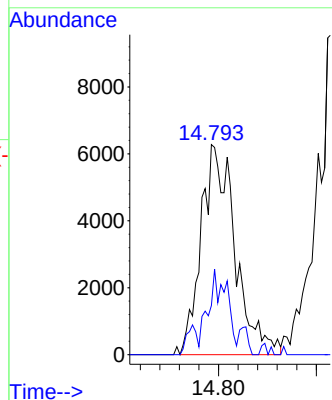
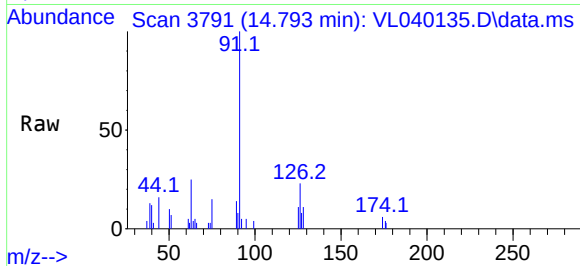
#71
2-Chlorotoluene
Concen: 0.075 ppbv m
RT: 14.793 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 91 Resp: 15108
Ion Ratio Lower Upper
91 100
126 30.9 11.9 47.5

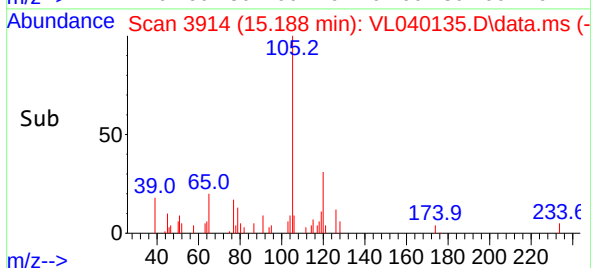
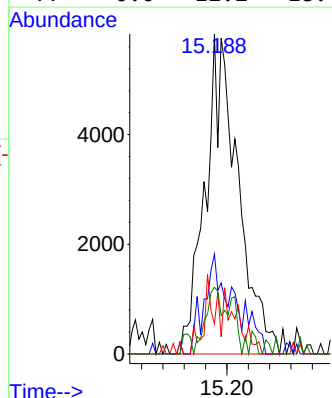
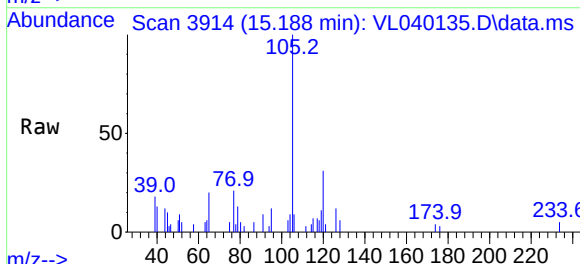
Manual Integrations
APPROVED

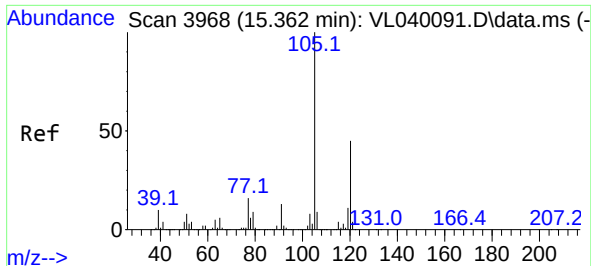
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#72
4-Ethyltoluene
Concen: 0.061 ppbv m
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

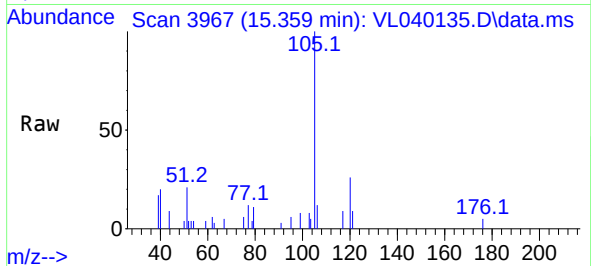
Tgt Ion:105 Resp: 12446
Ion Ratio Lower Upper
105 100
120 0.0 23.1 34.7#
91 0.0 11.2 16.8#
77 0.0 12.2 18.4#





#73
1,3,5-Trimethylbenzene
Concen: 0.061 ppbv m
RT: 15.359 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

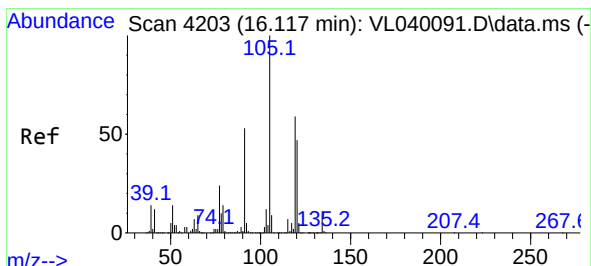
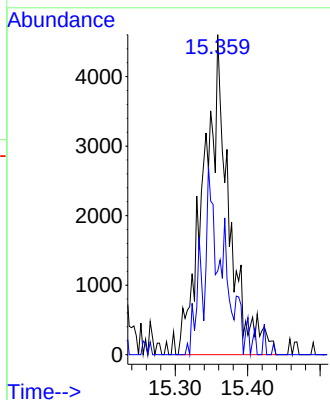
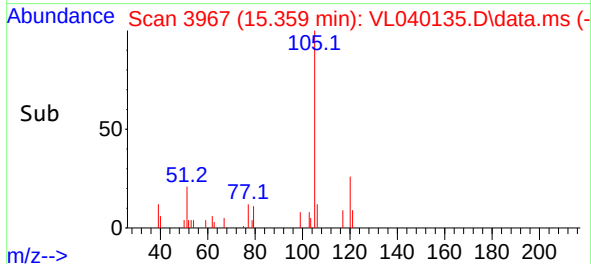
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



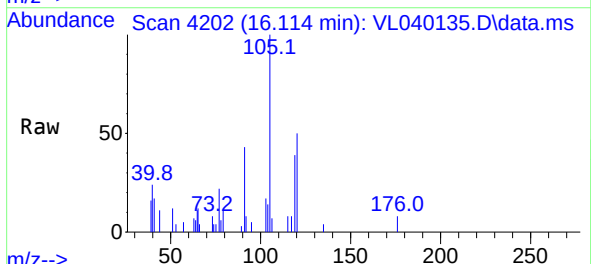
Tgt Ion:105 Resp: 11189
Ion Ratio Lower Upper
105 100
120 26.1 36.2 54.4

Manual Integrations
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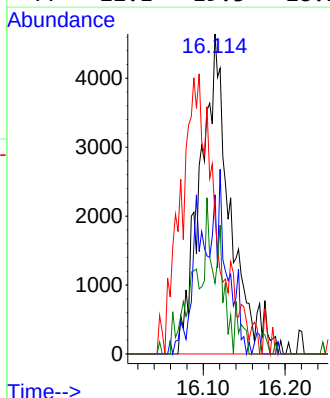
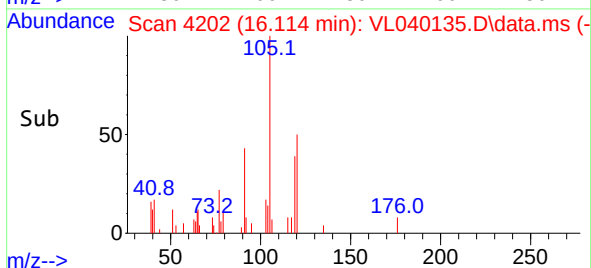
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

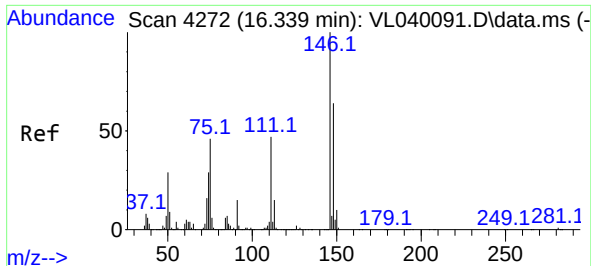


#74
1,2,4-Trimethylbenzene
Concen: 0.058 ppbv m
RT: 16.114 min Scan# 4202
Delta R.T. 0.013 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



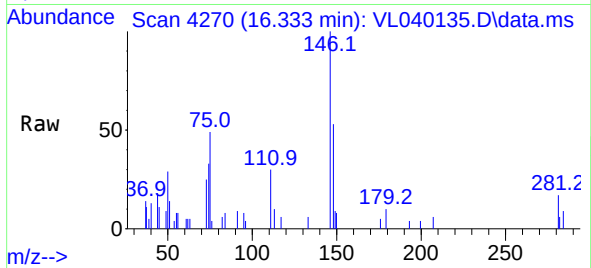
Tgt Ion:105 Resp: 11792
Ion Ratio Lower Upper
105 100
120 49.8 38.0 57.0
91 43.0 42.1 63.1
77 22.1 19.3 28.9





#75
1,3-Dichlorobenzene
Concen: 0.086 ppbv m
RT: 16.333 min Scan# 4316
Delta R.T. 0.007 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

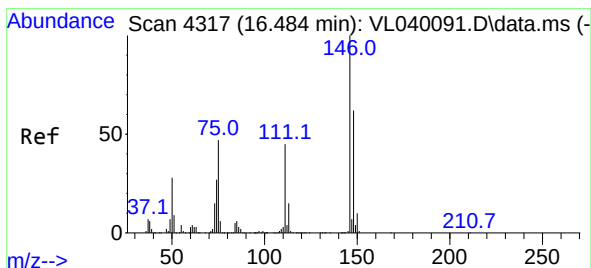
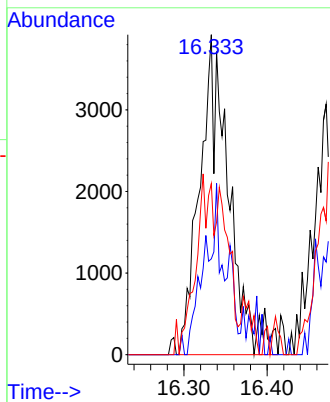
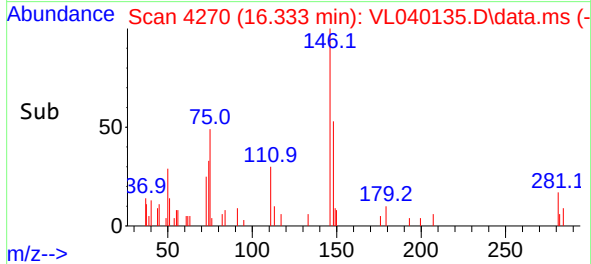
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



Tgt Ion:146 Resp: 965
Ion Ratio Lower Upper
146 100
111 0.0 24.3 73.0
148 62.5 32.3 96.8

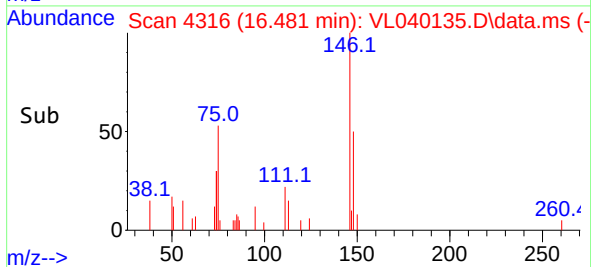
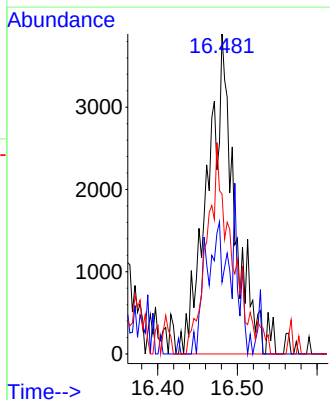
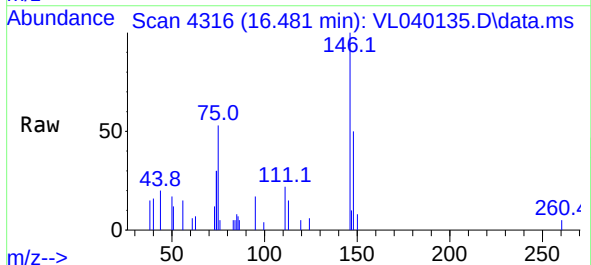
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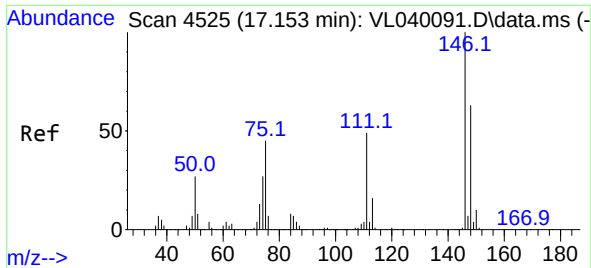
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#76
1,4-Dichlorobenzene
Concen: 0.084 ppbv m
RT: 16.481 min Scan# 4316
Delta R.T. 0.013 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Tgt Ion:146 Resp: 9264
Ion Ratio Lower Upper
146 100
111 0.0 23.8 71.2#
148 61.7 32.8 98.4





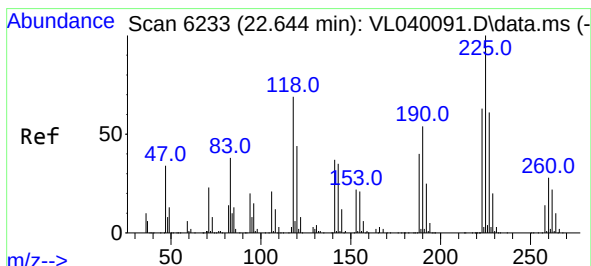
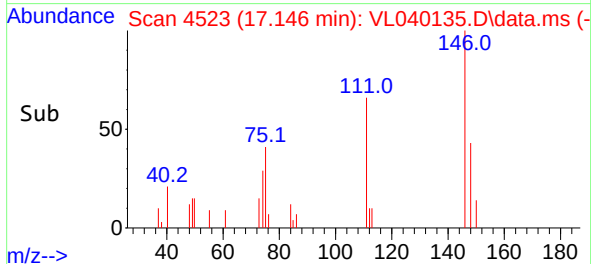
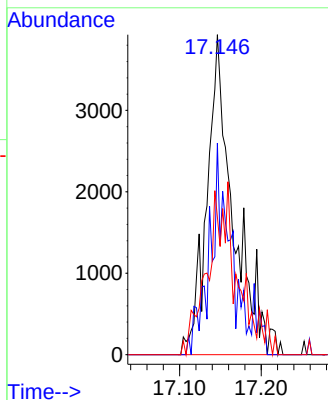
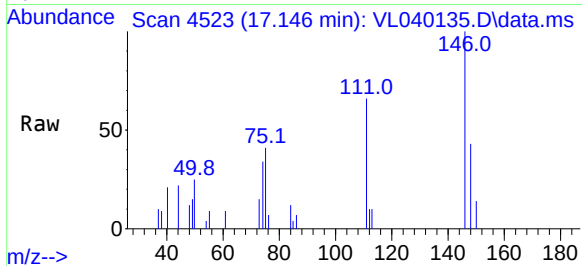
#77
1,2-Dichlorobenzene
Concen: 0.082 ppbv m
RT: 17.146 min Scan# 4525
Delta R.T. 0.010 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion:146 Resp: 8834
Ion Ratio Lower Upper
146 100
111 56.2 25.1 75.2
148 0.0 32.4 97.0

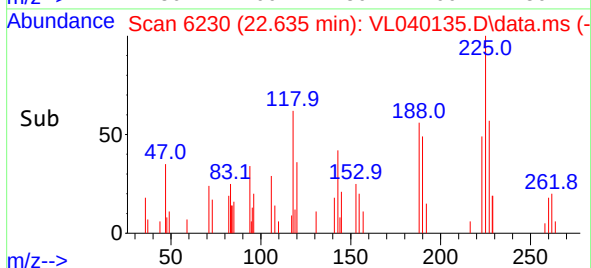
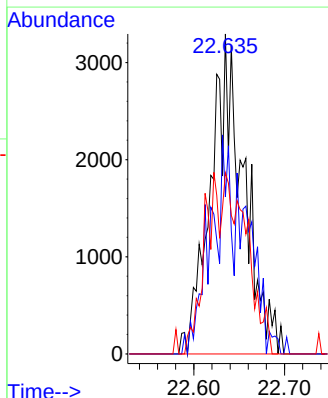
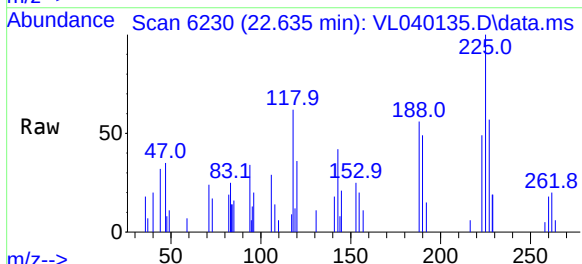
Manual Integrations
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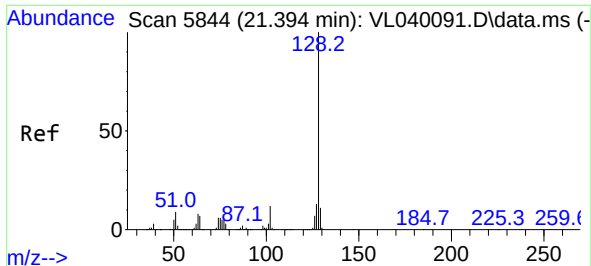
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.106 ppbv m
RT: 22.635 min Scan# 6230
Delta R.T. 0.003 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

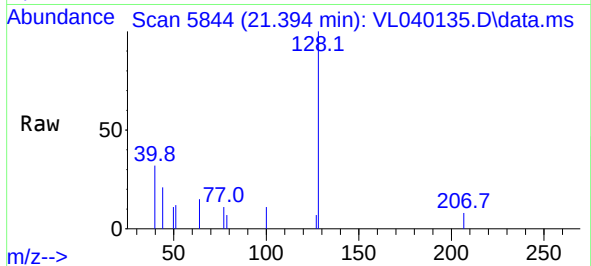
Tgt Ion:225 Resp: 8290
Ion Ratio Lower Upper
225 100
223 0.0 51.5 77.3#
227 0.0 50.6 76.0#





#79
Naphthalene
Concen: 0.047 ppbv m
RT: 21.394 min Scan# 5844
Delta R.T. 0.016 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31

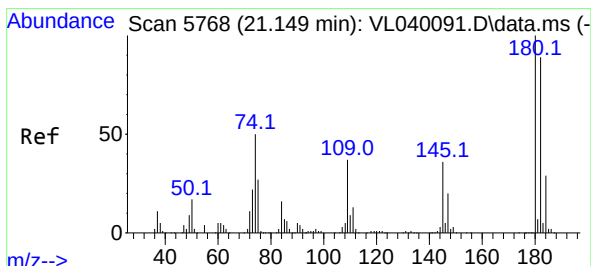
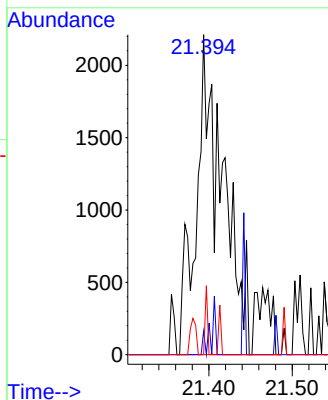
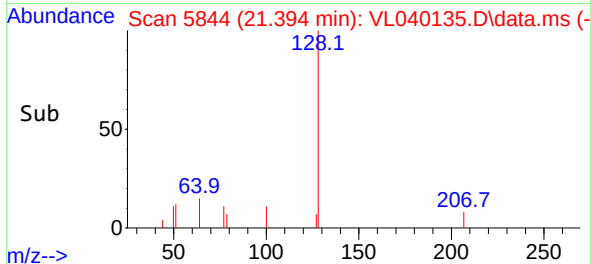
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022



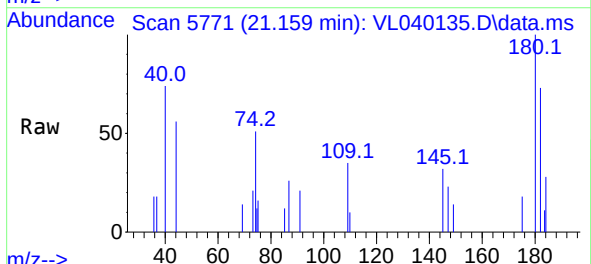
Tgt Ion:128 Resp: 548
Ion Ratio Lower Upper
128 100
127 7.4 10.3 15.5
129 0.0 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#81
1,2,4-Trichlorobenzene
Concen: 0.052 ppbv m
RT: 21.159 min Scan# 5771
Delta R.T. 0.026 min
Lab File: VL040135.D
Acq: 30 Jan 2023 16:31



Tgt Ion:180 Resp: 3681
Ion Ratio Lower Upper
180 100
182 0.0 78.6 117.8#
184 0.0 25.1 37.7#

