

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038644.D
 Acq On : 18 Mar 2022 3:01
 Operator : SY/AP
 Sample : N1645-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 13:32:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	815798	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.176	114	2091438	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.085	117	1736243	10.000	ppbv	# 0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.416 95 1193969 9.045 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 90.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	17783	0.144	ppbv	94
3) Chlorodifluoromethane	3.002	51	18975	0.132	ppbv	100
4) Chloromethane	3.147	50	7402	0.139	ppbv	94
5) Vinyl Chloride	3.263	62	5563	0.104	ppbv #	85
6) Bromomethane	3.481	94	3509m	0.122	ppbv	
7) Chloroethane	3.562	64	2278	0.131	ppbv #	41
8) Dichlorotetrafluoroethane	3.192	85	16151	0.135	ppbv	96
9) Propene	3.021	41	6527	0.129	ppbv #	63
10) Heptane	8.131	43	5076	0.042	ppbv #	28
11) Trichlorofluoromethane	3.951	101	13681m	0.127	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.488	101	10405m	0.124	ppbv	
14) Bromoethene	3.745	108	4224	0.118	ppbv #	90
16) 1,3-Butadiene	3.330	39	5230	0.113	ppbv #	82
18) 1,1-Dichloroethene	4.298	96	4376	0.116	ppbv #	52
22) trans-1,2-Dichloroethene	4.890	96	4021	0.102	ppbv #	72
24) 1,1-Dichloroethane	5.015	63	8452	0.113	ppbv	96
28) Methyl tert-Butyl Ether	5.063	73	8749	0.118	ppbv	96
29) Chloroform	5.754	83	17474	0.123	ppbv	90
30) Cyclohexane	7.131	84	5575	0.071	ppbv #	15
31) cis-1,2-Dichloroethene	5.555	61	8718	0.100	ppbv	89
32) 1,1,1-Trichloroethane	6.520	97	16386m	0.119	ppbv	
35) Carbon Tetrachloride	7.018	117	15289m	0.107	ppbv	
36) Benzene	6.899	78	20893m	0.111	ppbv	
37) 1,2-Dichloroethane	6.311	62	6895	0.076	ppbv #	92
38) Trichloroethene	7.835	130	7824m	0.104	ppbv	
39) 1,2-Dichloropropane	7.613	63	4973	0.069	ppbv #	80
42) Bromodichloromethane	7.796	83	14453m	0.101	ppbv	
43) Methyl Methacrylate	8.031	69	4853m	0.075	ppbv	
44) 2,2,4-Trimethylpentane	7.873	57	29915m	0.094	ppbv	
47) 1,1,2-Trichloroethane	9.468	97	8864m	0.120	ppbv	
48) Dibromochloromethane	10.304	129	10002m	0.085	ppbv	
49) Bromoform	13.037	173	6812m	0.076	ppbv	
52) Tetrachloroethene	11.227	164	7583m	0.110	ppbv	
53) Toluene	9.806	91	16945	0.084	ppbv	99
54) 1,2-Dibromoethane	10.606	107	10213m	0.097	ppbv	
57) Chlorobenzene	12.146	112	18026m	0.136	ppbv	
58) Ethyl Benzene	12.709	91	19870m	0.088	ppbv	
59) m/p-Xylene	12.999	91	33705m	0.175	ppbv	
60) o-Xylene	13.693	91	15043m	0.083	ppbv	
61) Styrene	13.523	104	5972m	0.067	ppbv	
62) Isopropylbenzene	14.670	105	24111	0.096	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.680	83	15715	0.102	ppbv	90
64) n-propylbenzene	15.568	120	3254	0.051	ppbv #	1

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Manual Integrations
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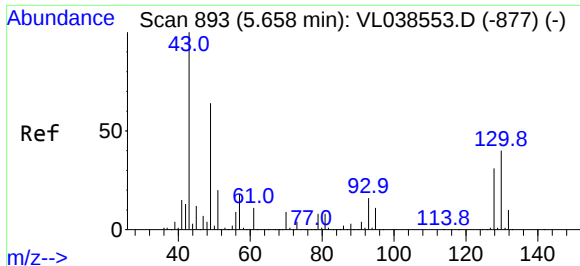
Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 13:32:07 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 0
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

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

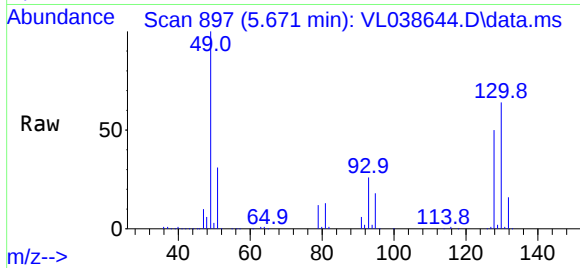
65) tert-Butylbenzene	16.741	119	18334m	0.082	ppbv	
67) sec-Butylbenzene	17.294	105	24493	0.077	ppbv	99
69) p-Isopropyltoluene	17.654	119	19114	0.072	ppbv #	93
70) n-Butylbenzene	18.555	91	19850m	0.071	ppbv	
71) 2-Chlorotoluene	15.455	91	8775	0.047	ppbv #	55
72) 4-Ethyltoluene	15.834	105	17151m	0.082	ppbv	
73) 1,3,5-Trimethylbenzene	16.002	105	16196m	0.084	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	17187m	0.083	ppbv	
75) 1,3-Dichlorobenzene	16.998	146	18149m	0.139	ppbv	
76) 1,4-Dichlorobenzene	17.140	146	14488m	0.112	ppbv	
77) 1,2-Dichlorobenzene	17.818	146	13163	0.100	ppbv	94
78) Hexachloro-1,3-Butadiene	23.365	225	18022m	0.140	ppbv	
79) Naphthalene	22.201	128	10250m	0.055	ppbv	
81) 1,2,4-Trichlorobenzene	21.943	180	8851m	0.074	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038644.D
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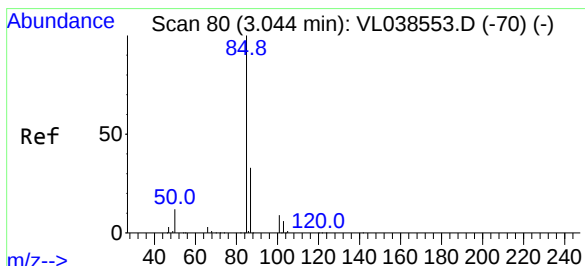
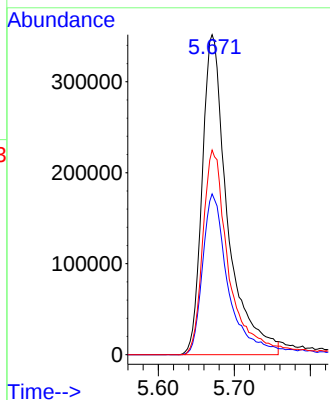
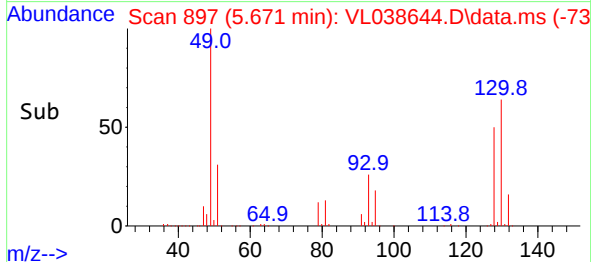
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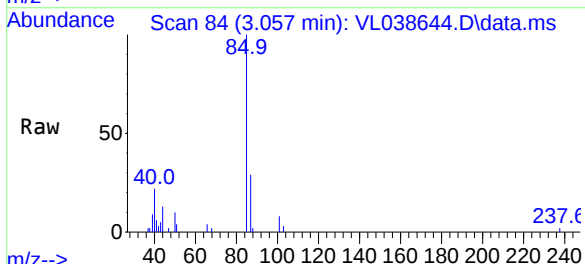
Tgt Ion: 49 Resp: 815798
Ion Ratio Lower Upper
49 100
128 53.8 26.4 79.2
130 68.5 33.0 98.9

Manual Integrations
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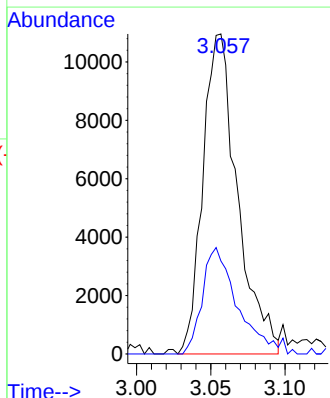
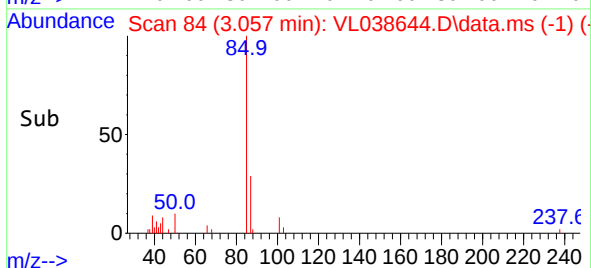
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

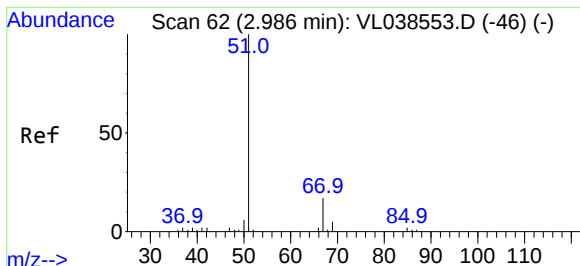


#2
Dichlorodifluoromethane
Concen: 0.144 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



Tgt Ion: 85 Resp: 17783
Ion Ratio Lower Upper
85 100
87 29.1 26.2 39.2





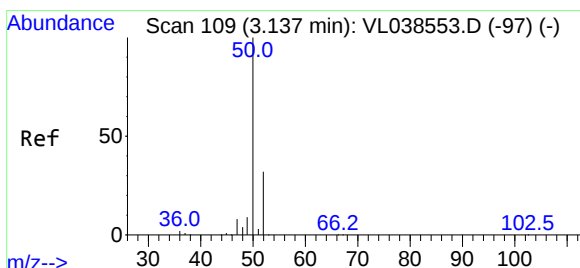
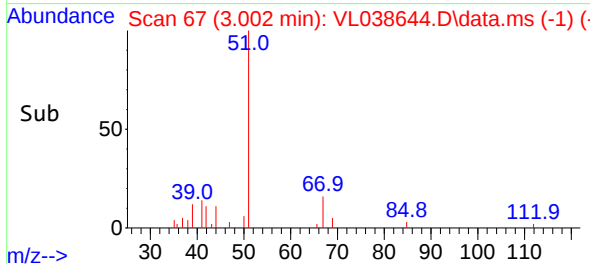
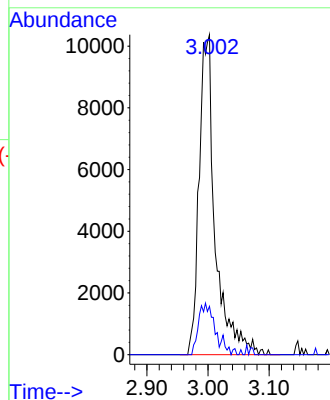
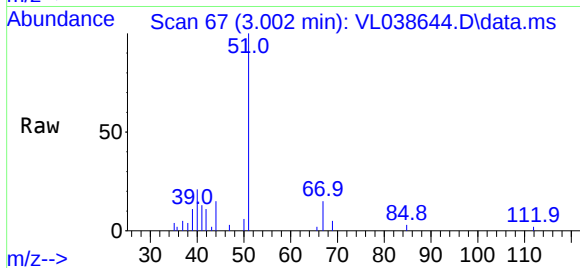
#3
Chlorodifluoromethane
Concen: 0.132 ppbv
RT: 3.002 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 51 Resp: 1897
Ion Ratio Lower Upper
51 100
67 16.9 13.6 20.4

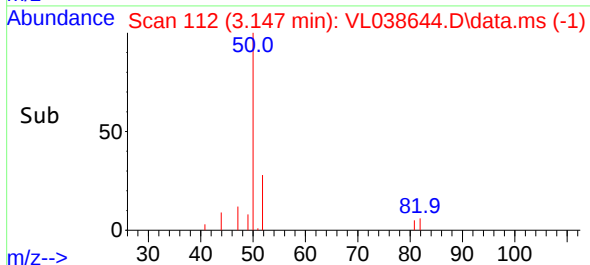
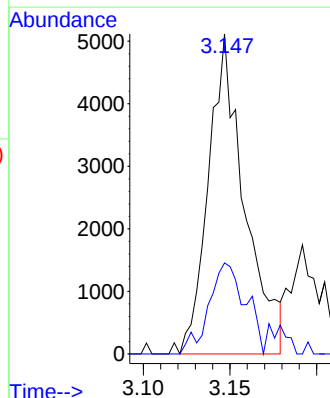
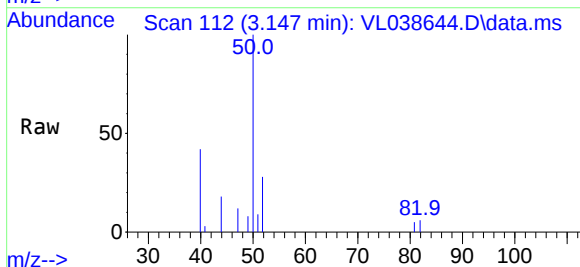
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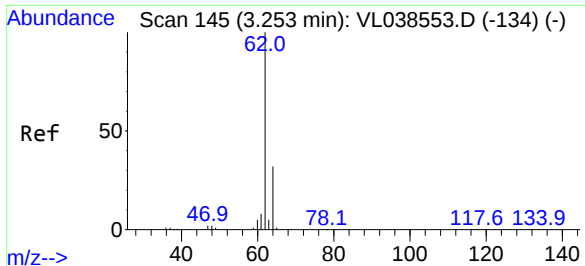
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#4
Chloromethane
Concen: 0.139 ppbv
RT: 3.147 min Scan# 112
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

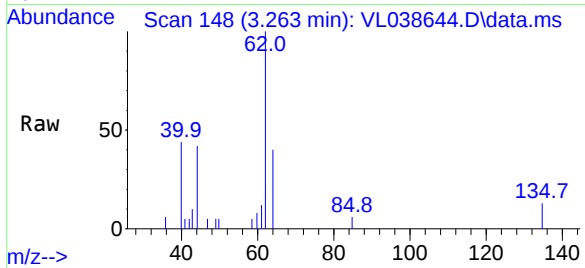
Tgt Ion: 50 Resp: 7402
Ion Ratio Lower Upper
50 100
52 28.4 25.6 38.4





#5
 Vinyl Chloride
 Concen: 0.104 ppbv
 RT: 3.263 min Scan# 145
 Delta R.T. 0.010 min
 Lab File: VL038644.D
 Acq: 18 Mar 2022 3:01

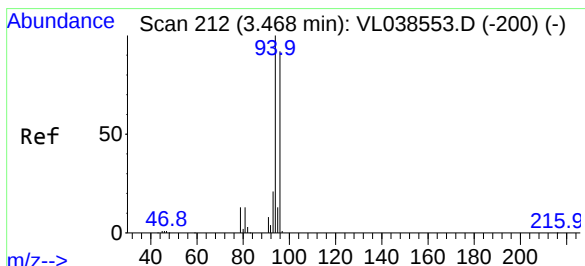
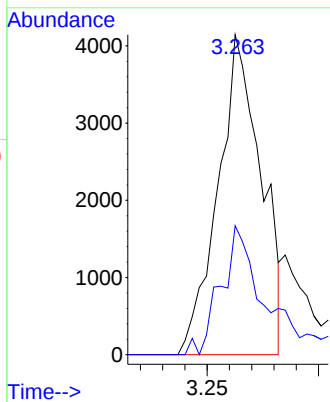
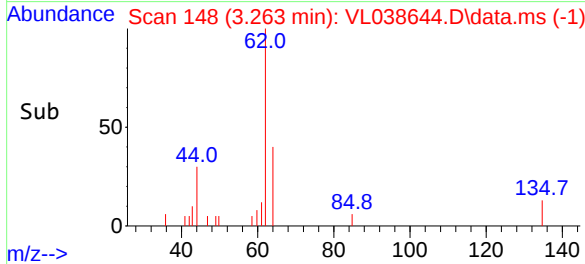
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL



Tgt Ion: 62 Resp: 556
 Ion Ratio Lower Upper
 62 100
 64 40.3 25.8 38.6

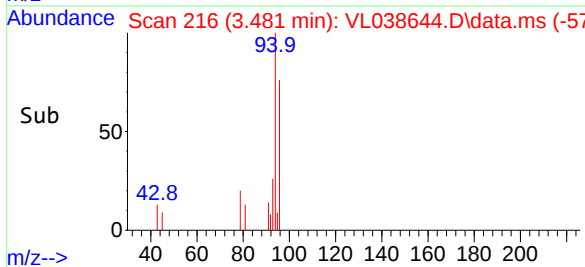
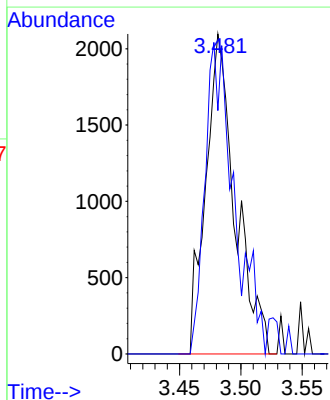
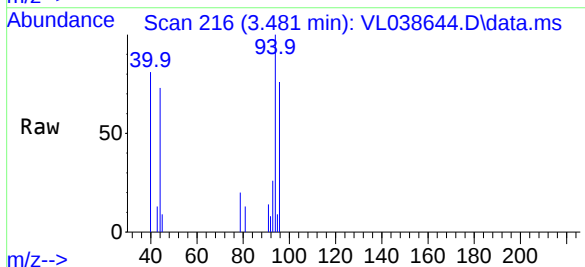
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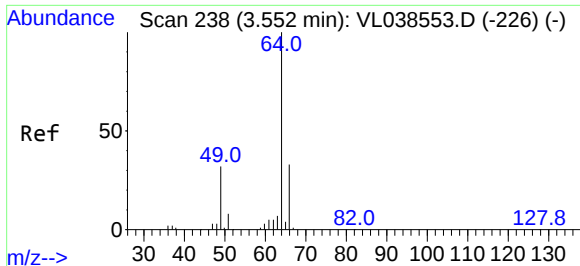
Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#6
 Bromomethane
 Concen: 0.122 ppbv m
 RT: 3.481 min Scan# 216
 Delta R.T. 0.013 min
 Lab File: VL038644.D
 Acq: 18 Mar 2022 3:01

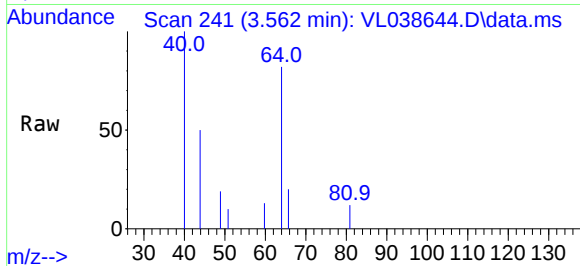
Tgt Ion: 94 Resp: 3509
 Ion Ratio Lower Upper
 94 100
 96 76.1 73.7 110.5





#7
Chloroethane
Concen: 0.131 ppbv
RT: 3.562 min Scan# 241
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

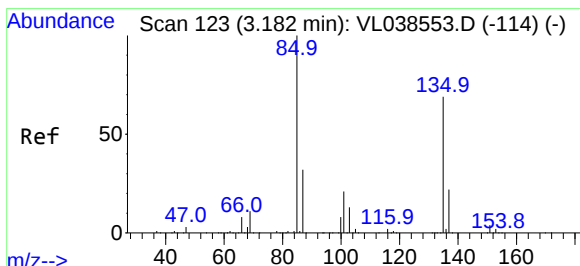
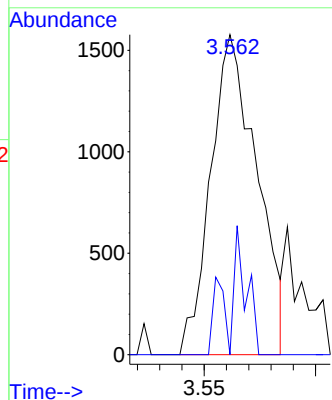
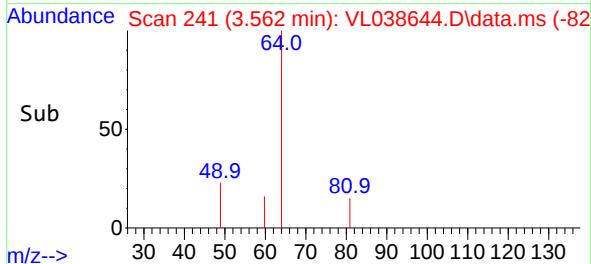
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 64 Resp: 2278
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8

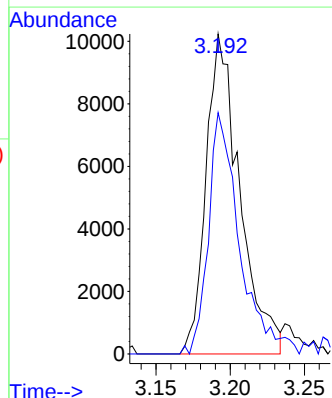
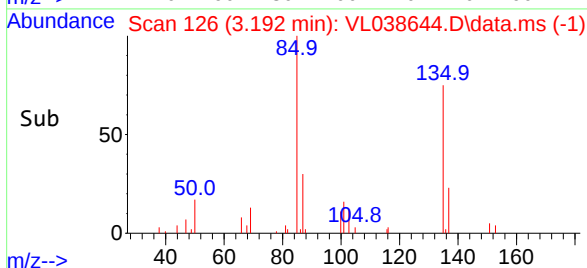
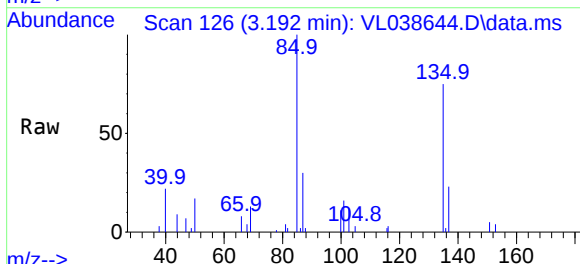
Manual Integrations
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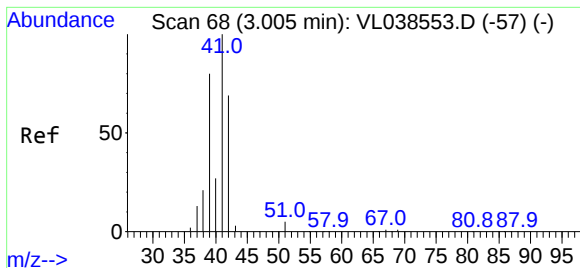
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#8
Dichlorotetrafluoroethane
Concen: 0.135 ppbv
RT: 3.192 min Scan# 126
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

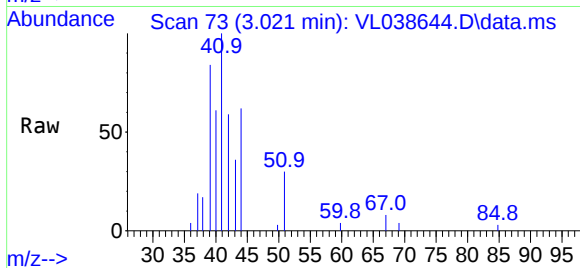
Tgt Ion: 85 Resp: 16151
Ion Ratio Lower Upper
85 100
135 70.1 59.0 88.4





#9
 Propene
 Concen: 0.129 ppbv
 RT: 3.021 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL038644.D
 Acq: 18 Mar 2022 3:01

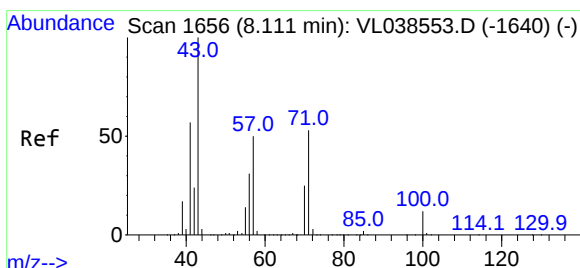
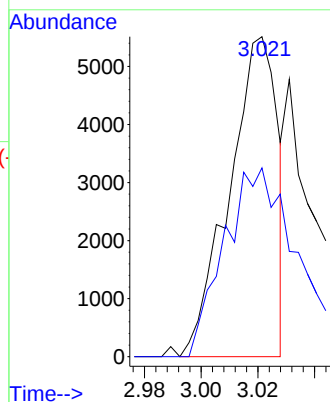
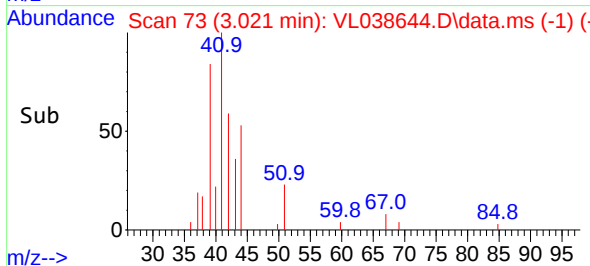
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL



Tgt Ion: 41 Resp: 652
 Ion Ratio Lower Upper
 41 100
 42 99.7 55.7 83.5

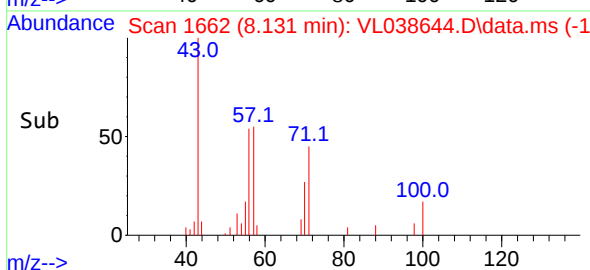
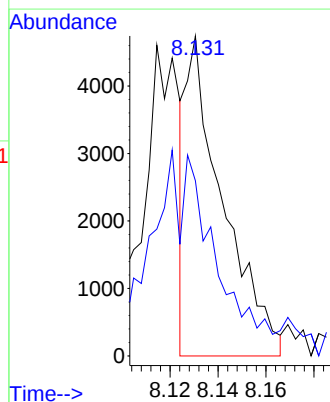
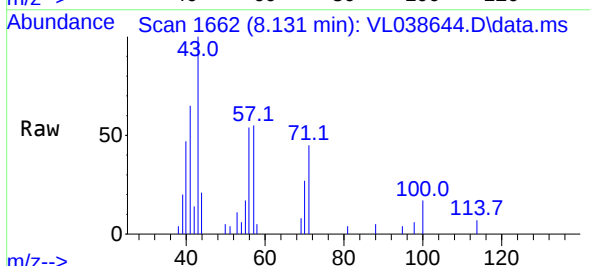
Manual Integrations
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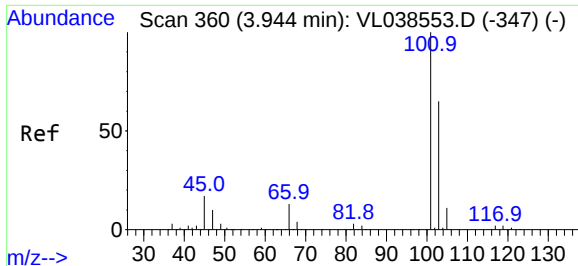
Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#10
 Heptane
 Concen: 0.042 ppbv
 RT: 8.131 min Scan# 1662
 Delta R.T. 0.019 min
 Lab File: VL038644.D
 Acq: 18 Mar 2022 3:01

Tgt Ion: 43 Resp: 5076
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.6 59.4





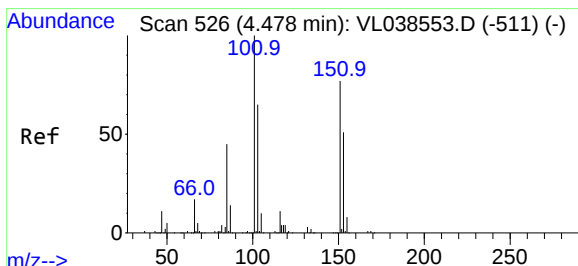
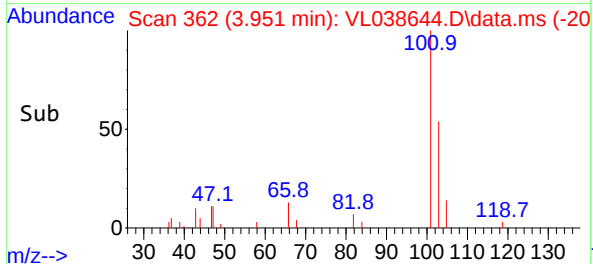
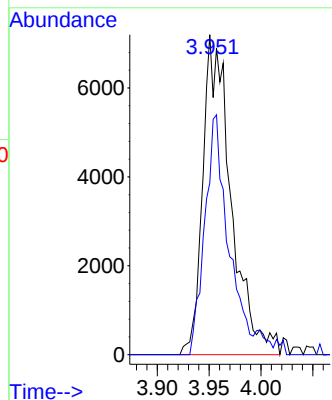
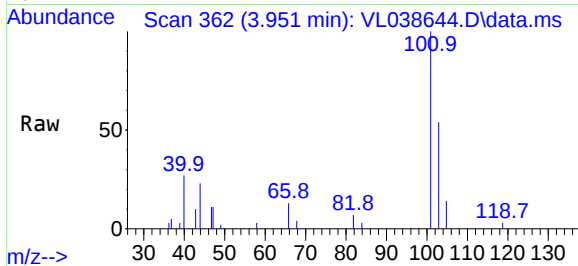
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Trichlorofluoromethane
Concen: 0.127 ppbv m
RT: 3.951 min Scan# 301
Delta R.T. 0.006 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion:101 Resp: 1368
Ion Ratio Lower Upper
101 100
103 53.7 52.0 78.0

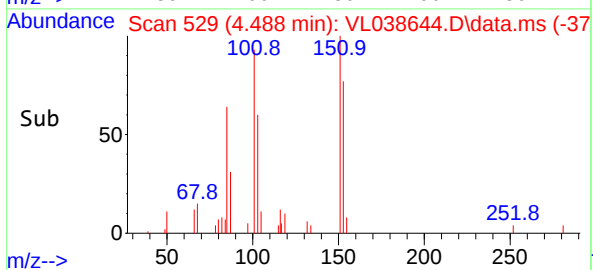
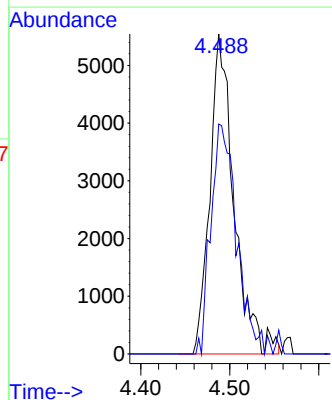
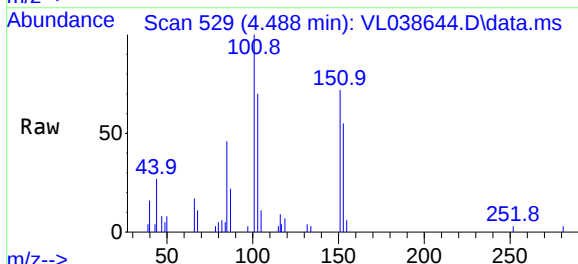
Manual Integrations
APPROVED

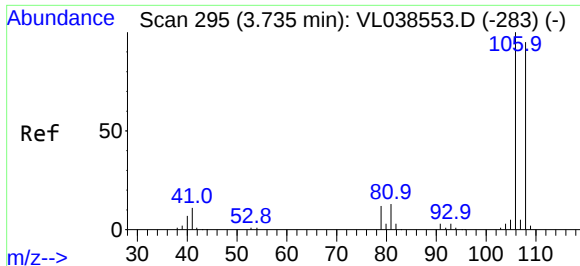
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.124 ppbv m
RT: 4.488 min Scan# 529
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

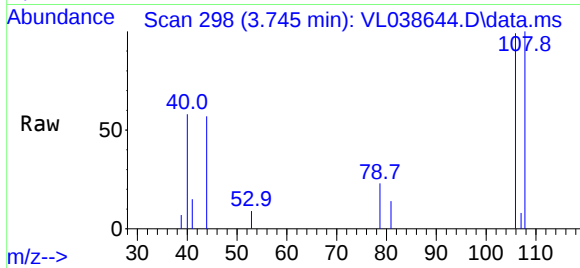
Tgt Ion:101 Resp: 10405
Ion Ratio Lower Upper
101 100
151 79.0 63.4 95.0





#14
Bromoethene
Concen: 0.118 ppbv
RT: 3.745 min Scan# 295
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

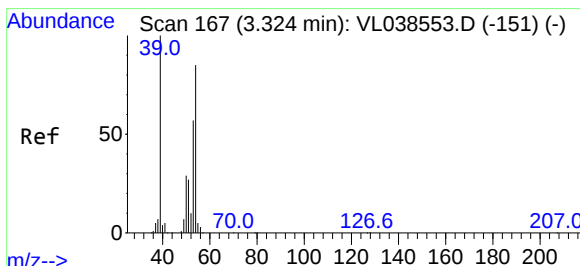
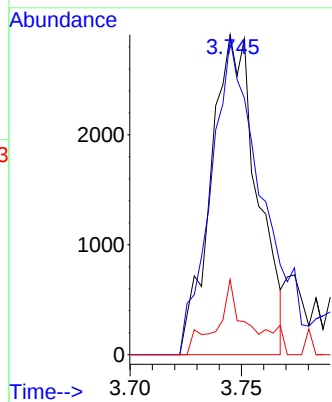
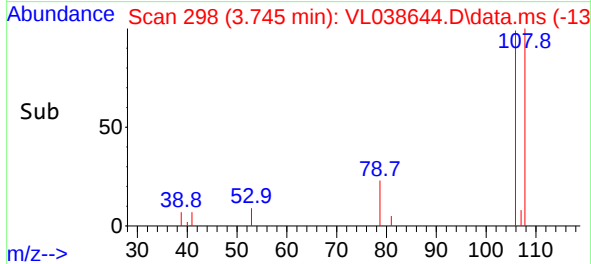
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 108 Resp: 4224
Ion Ratio Lower Upper
108 100
106 118.5 85.9 128.9
79 17.3 11.0 16.6

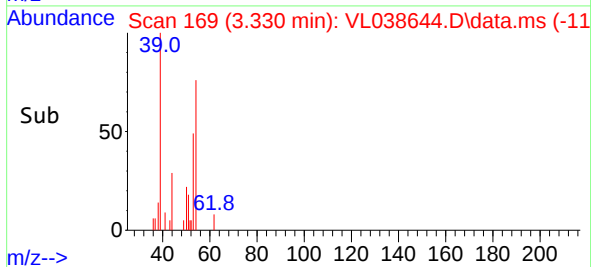
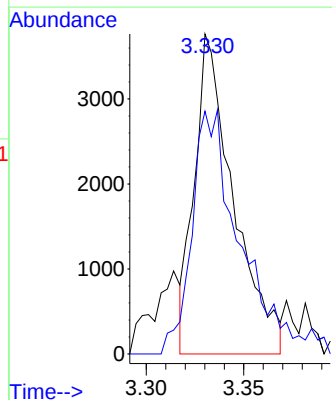
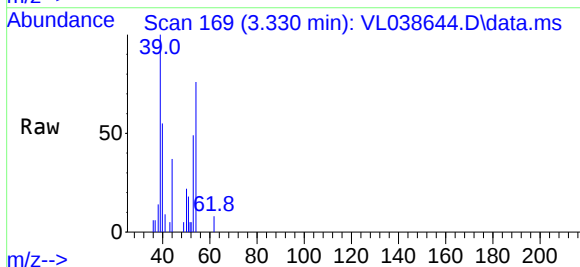
Manual Integrations
APPROVED

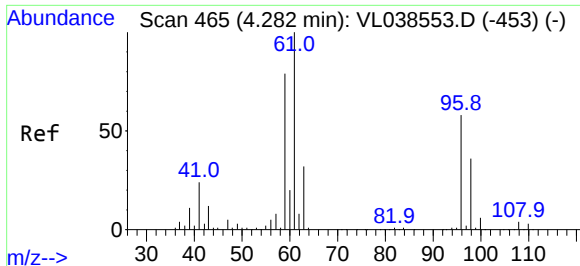
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#16
1,3-Butadiene
Concen: 0.113 ppbv
RT: 3.330 min Scan# 169
Delta R.T. 0.006 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Tgt Ion: 39 Resp: 5230
Ion Ratio Lower Upper
39 100
54 96.5 64.2 96.2#





#18

1,1-Dichloroethene

Concen: 0.116 ppbv

RT: 4.298 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL038644.D

Acq: 18 Mar 2022 3:01

Instrument :

MSVOA_L

ClientSampleId :

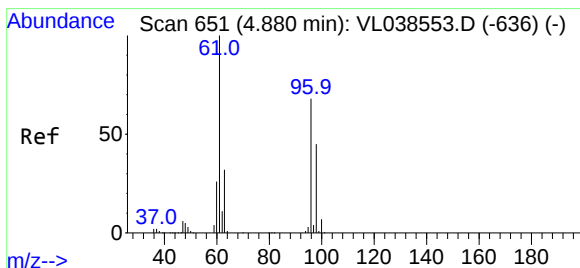
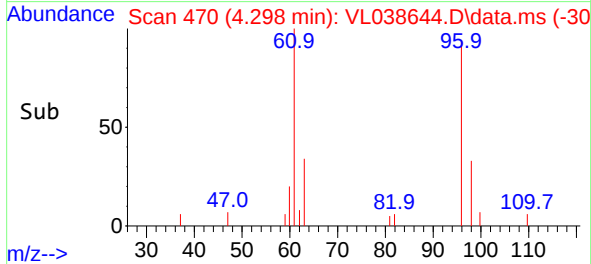
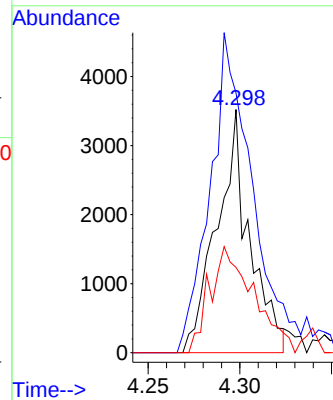
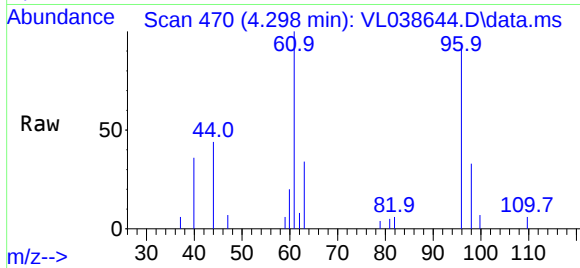
MDL-AIR-03-QT1-2022DL

Tgt Ion: 96 Resp: 4370
 Ion Ratio Lower Upper
 96 100
 61 99.4 137.4 206.0#
 98 35.1 49.3 73.9#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#22

trans-1,2-Dichloroethene

Concen: 0.102 ppbv

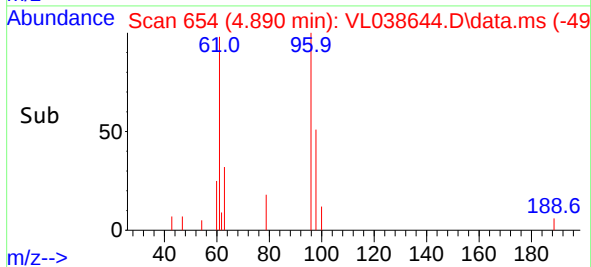
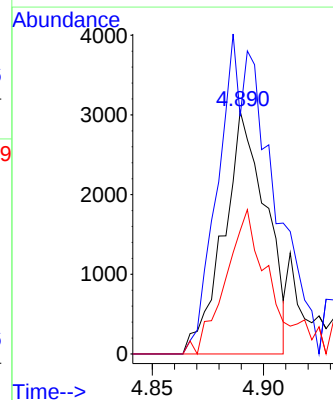
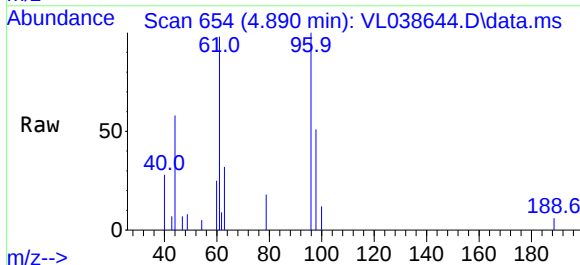
RT: 4.890 min Scan# 654

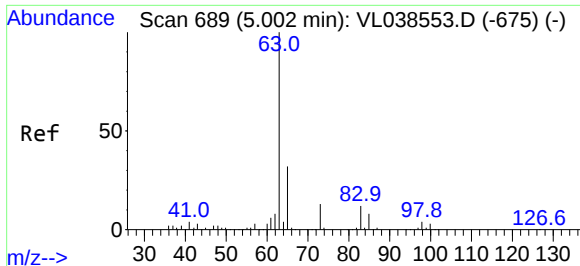
Delta R.T. 0.010 min

Lab File: VL038644.D

Acq: 18 Mar 2022 3:01

Tgt Ion: 96 Resp: 4021
 Ion Ratio Lower Upper
 96 100
 61 107.1 117.6 176.4#
 98 50.8 52.6 78.8#





#24

1,1-Dichloroethane

Concen: 0.113 ppbv

RT: 5.015 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL038644.D

Acq: 18 Mar 2022 3:01

Instrument :

MSVOA_L

ClientSampleId :

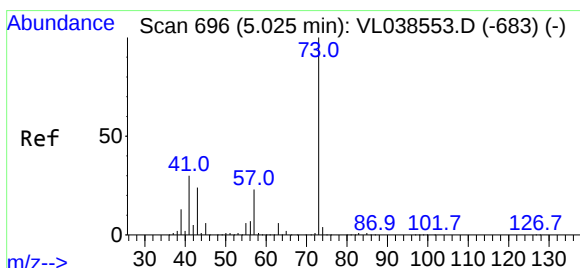
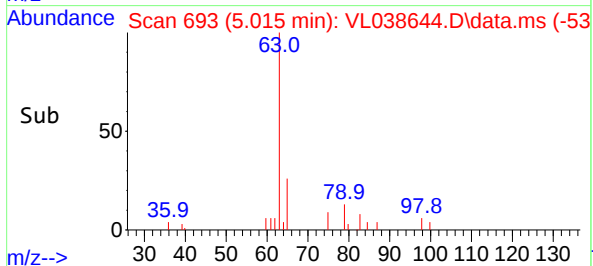
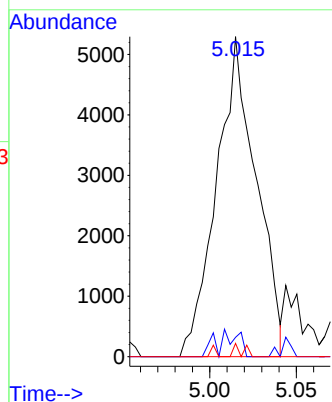
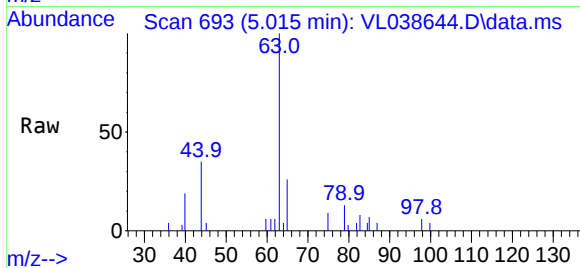
MDL-AIR-03-QT1-2022DL

Tgt Ion: 63 Resp: 845

Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.2	6.6
100	4.2	1.5	4.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#28

Methyl tert-Butyl Ether

Concen: 0.118 ppbv

RT: 5.063 min Scan# 708

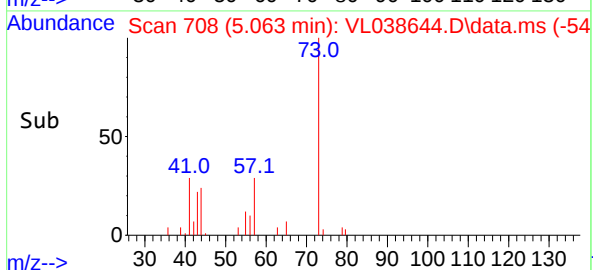
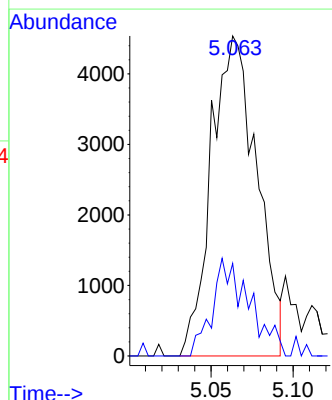
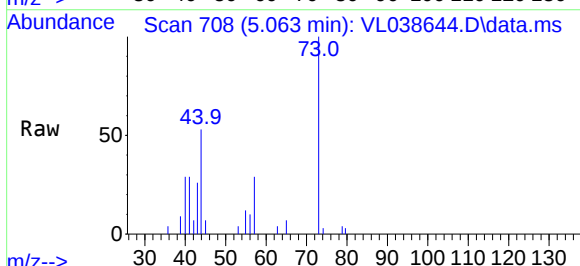
Delta R.T. 0.039 min

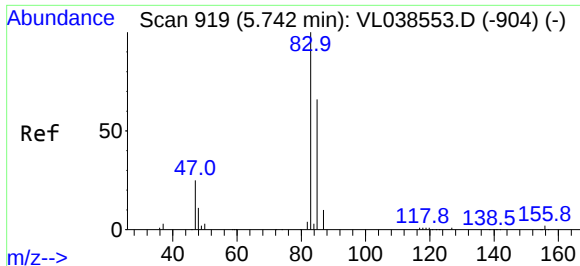
Lab File: VL038644.D

Acq: 18 Mar 2022 3:01

Tgt Ion: 73 Resp: 8749

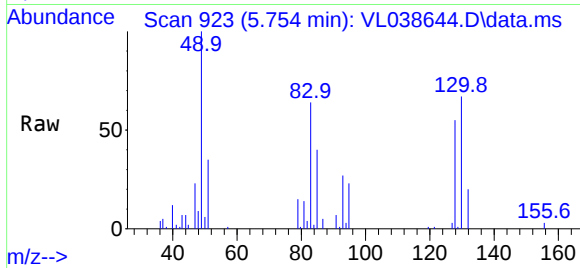
Ion	Ratio	Lower	Upper
73	100		
57	25.4	18.8	28.2





#29
Chloroform
Concen: 0.123 ppbv
RT: 5.754 min Scan# 919
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

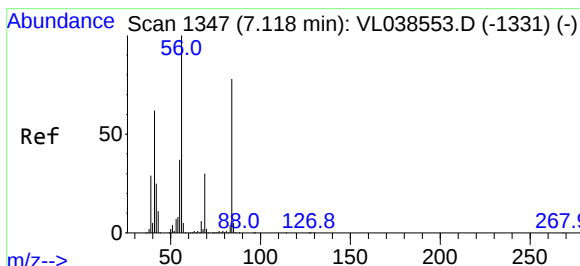
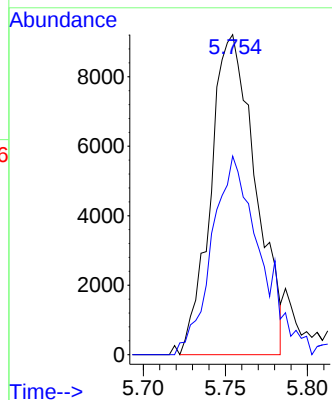
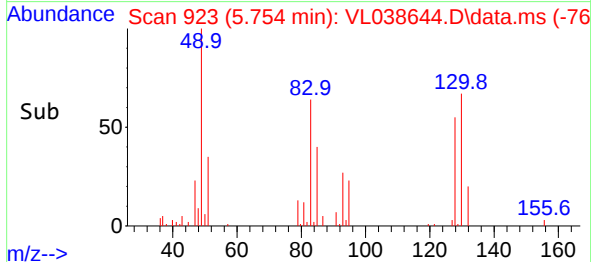
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



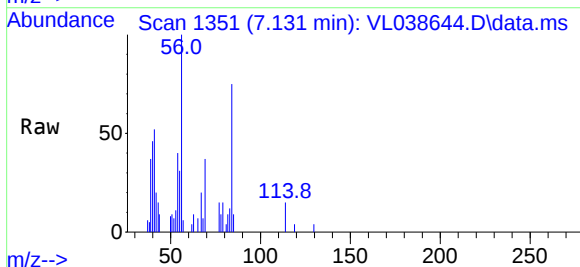
Tgt Ion: 83 Resp: 17474
Ion Ratio Lower Upper
83 100
85 58.4 52.8 79.2

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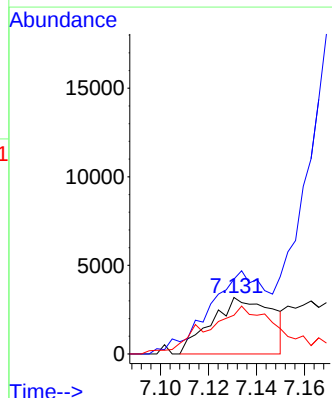
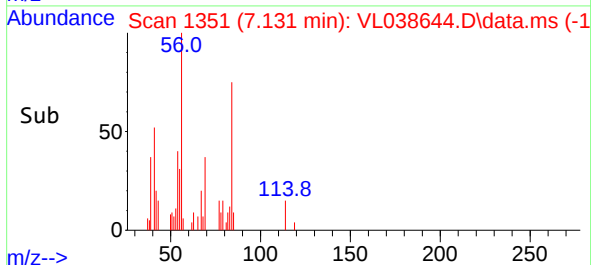
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

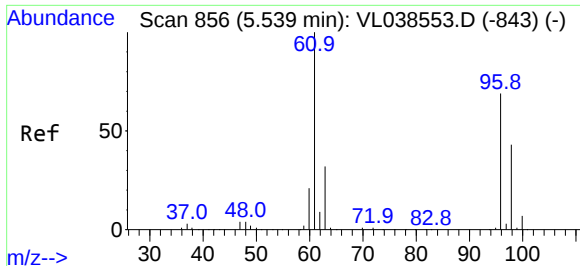


#30
Cyclohexane
Concen: 0.071 ppbv
RT: 7.131 min Scan# 1351
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



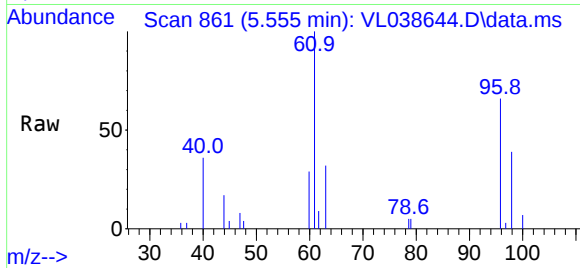
Tgt Ion: 84 Resp: 5575
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 113.5 65.5 98.3#





#31
cis-1,2-Dichloroethene
Concen: 0.100 ppbv
RT: 5.555 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

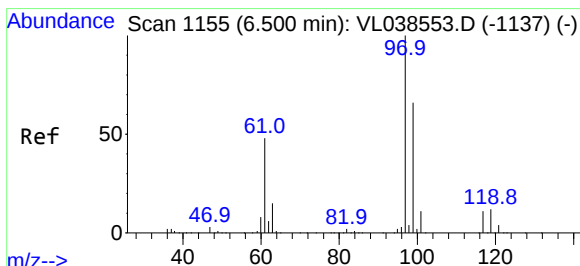
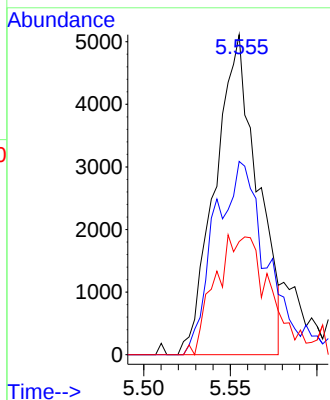
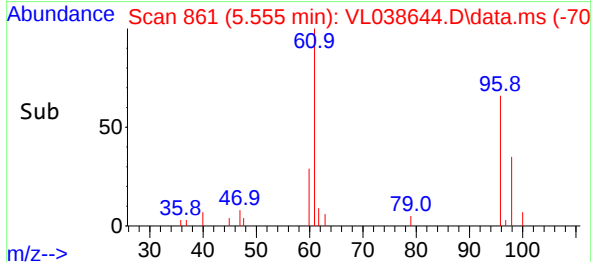
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 61 Resp: 8718
Ion Ratio Lower Upper
61 100
96 60.4 55.2 82.8
98 35.3 34.2 51.4

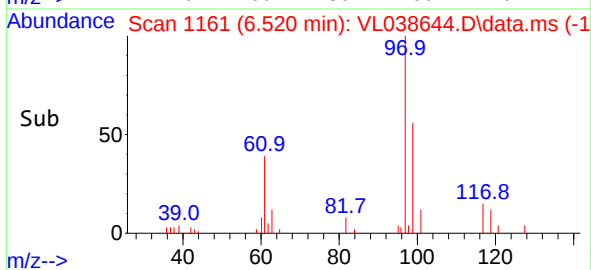
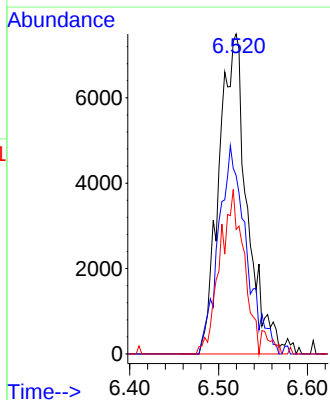
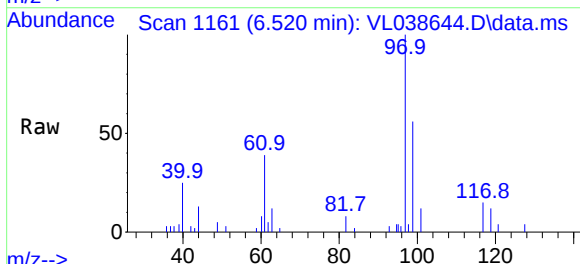
Manual Integrations
APPROVED

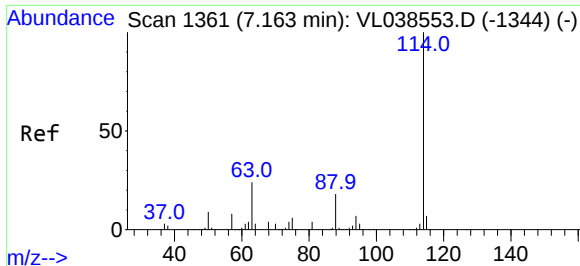
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#32
1,1,1-Trichloroethane
Concen: 0.119 ppbv m
RT: 6.520 min Scan# 1161
Delta R.T. 0.019 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

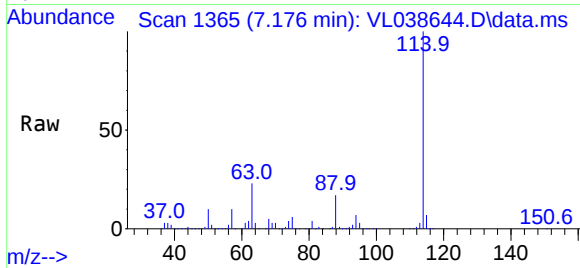
Tgt Ion: 97 Resp: 16386
Ion Ratio Lower Upper
97 100
99 65.2 52.1 78.1
61 46.9 37.7 56.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1114
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

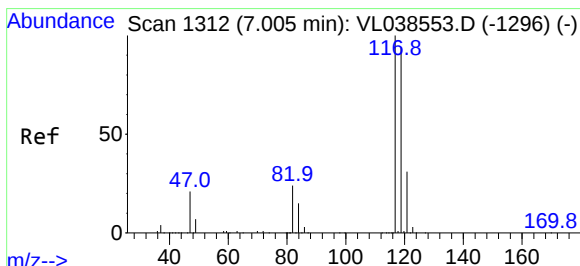
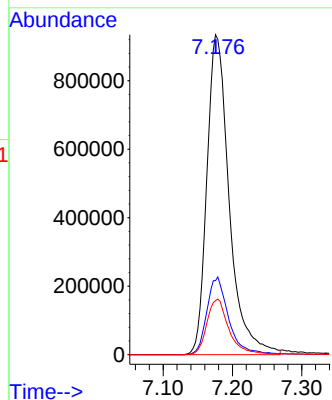
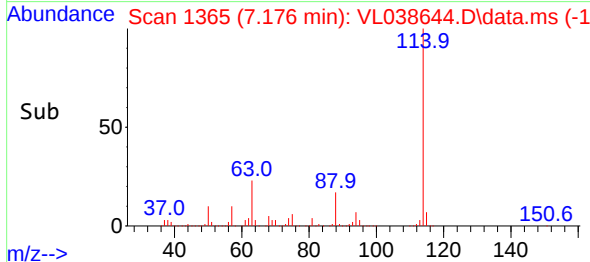
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion:114 Resp: 2091438
Ion Ratio Lower Upper
114 100
63 24.0 19.6 29.4
88 17.5 13.9 20.9

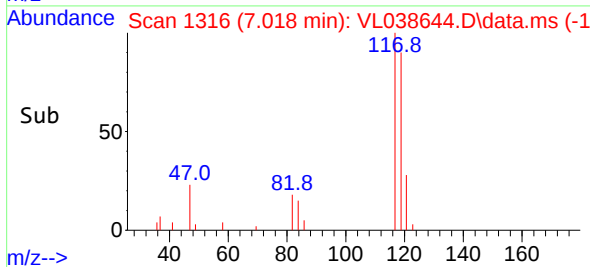
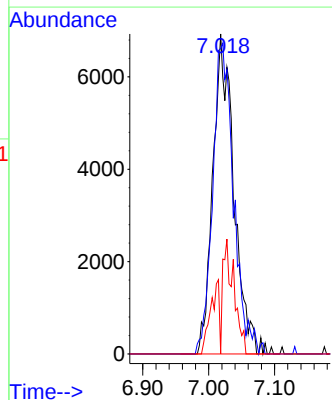
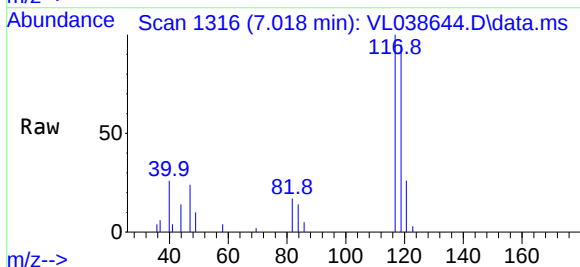
Manual Integrations
APPROVED

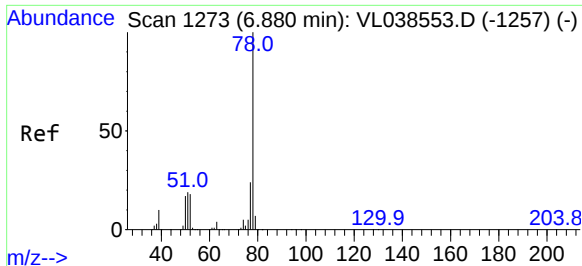
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#35
Carbon Tetrachloride
Concen: 0.107 ppbv m
RT: 7.018 min Scan# 1316
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

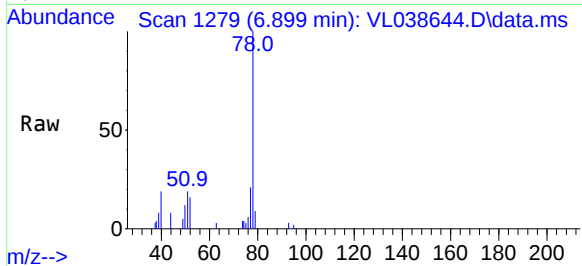
Tgt Ion:117 Resp: 15289
Ion Ratio Lower Upper
117 100
119 95.4 75.2 112.8
121 0.0 24.8 37.2#





#36
Benzene
Concen: 0.111 ppbv m
RT: 6.899 min Scan# 1096
Delta R.T. 0.019 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

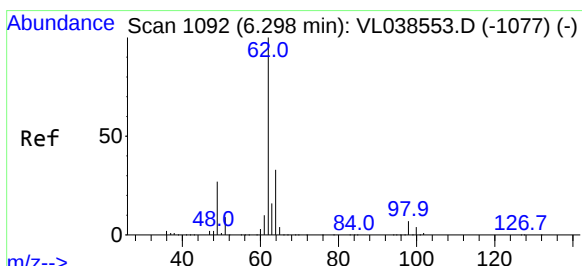
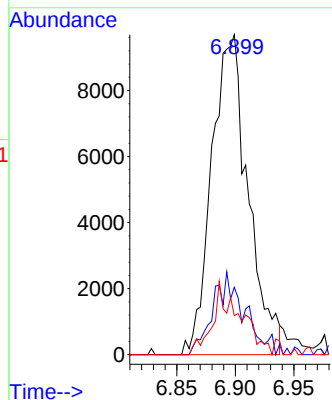
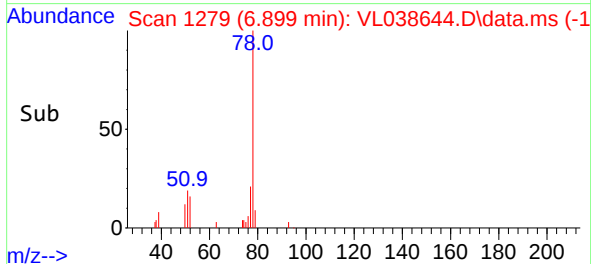
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 78 Resp: 2089
Ion Ratio Lower Upper
78 100
77 21.0 19.0 28.4
50 12.2 13.9 20.9

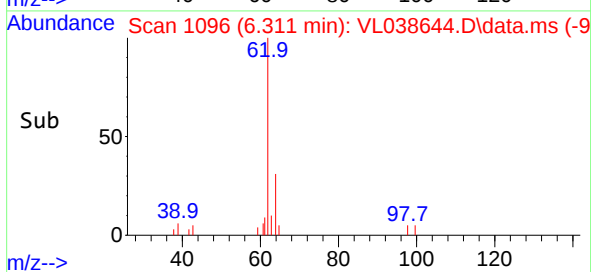
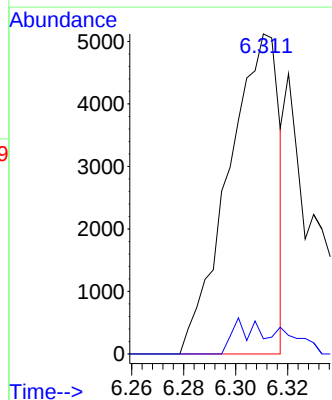
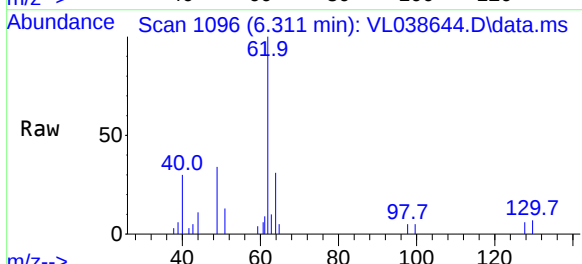
Manual Integrations
APPROVED

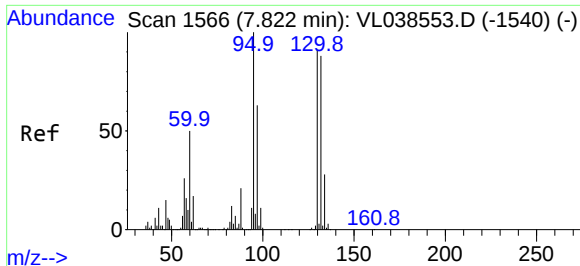
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#37
1,2-Dichloroethane
Concen: 0.076 ppbv
RT: 6.311 min Scan# 1096
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

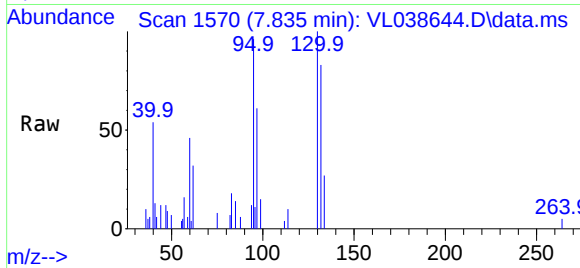
Tgt Ion: 62 Resp: 6895
Ion Ratio Lower Upper
62 100
98 9.8 5.7 8.5





#38
Trichloroethene
Concen: 0.104 ppbv m
RT: 7.835 min Scan# 1501
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

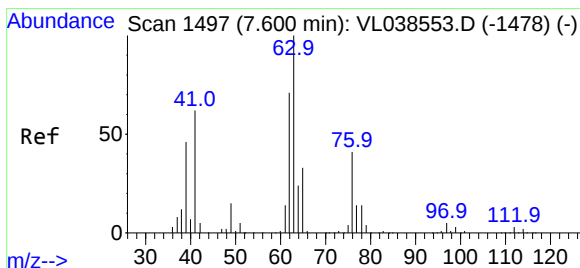
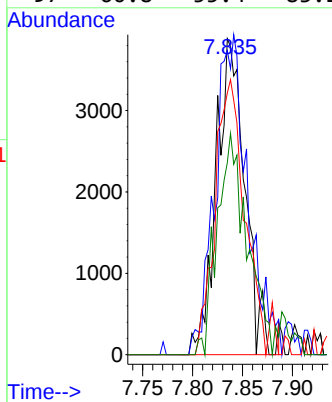
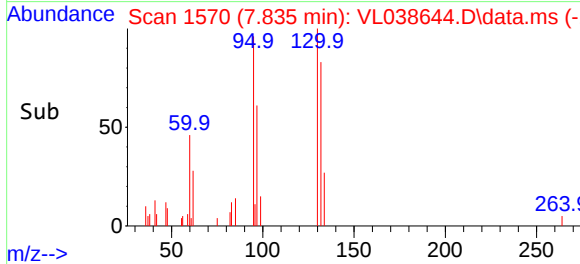
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



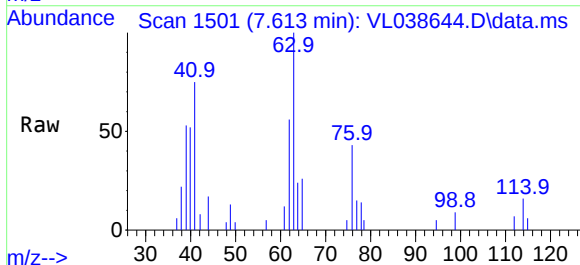
Tgt Ion:130 Resp: 7824
Ion Ratio Lower Upper
130 100
95 96.2 87.8 131.8
132 82.8 77.5 116.3
97 60.8 55.4 83.2

Manual Integrations
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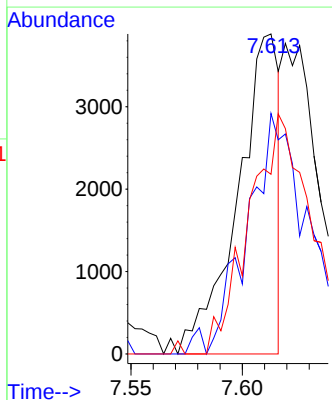
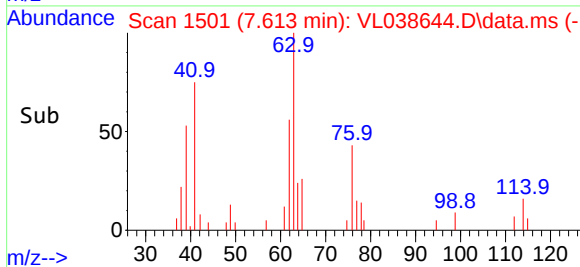
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

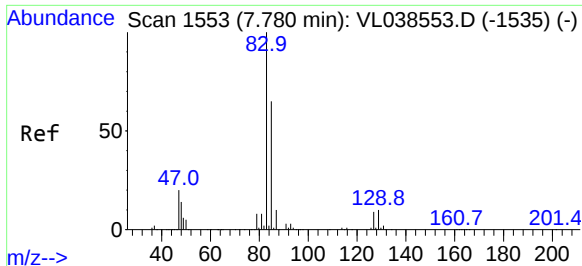


#39
1,2-Dichloropropane
Concen: 0.069 ppbv
RT: 7.613 min Scan# 1501
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



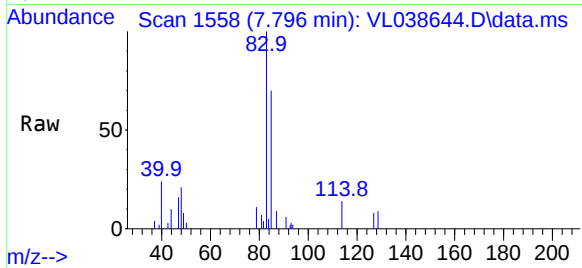
Tgt Ion: 63 Resp: 4973
Ion Ratio Lower Upper
63 100
41 60.7 49.8 74.6
62 42.0 56.7 85.1#





#42
Bromodichloromethane
Concen: 0.101 ppbv m
RT: 7.796 min Scan# 1553
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

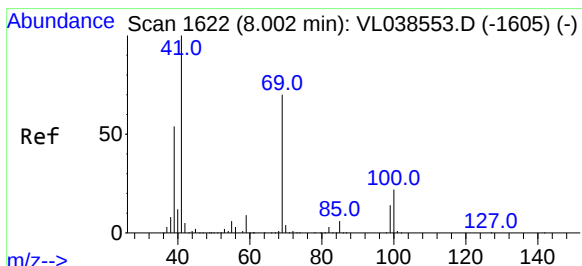
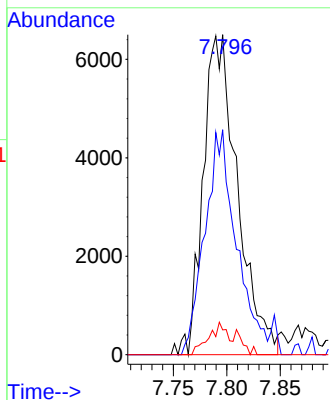
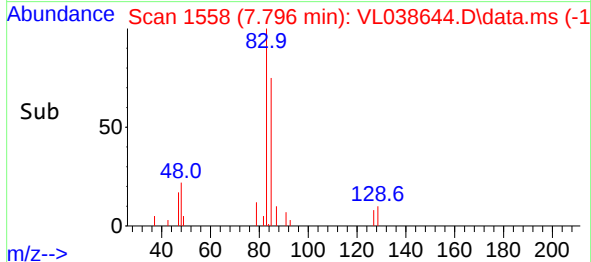
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



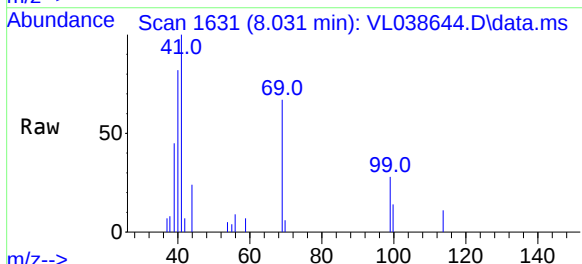
Tgt Ion: 83 Resp: 1445
Ion Ratio Lower Upper
83 100
85 70.3 51.7 77.5
127 7.8 6.9 10.3

Manual Integrations
APPROVED

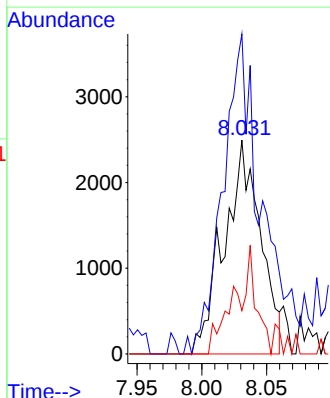
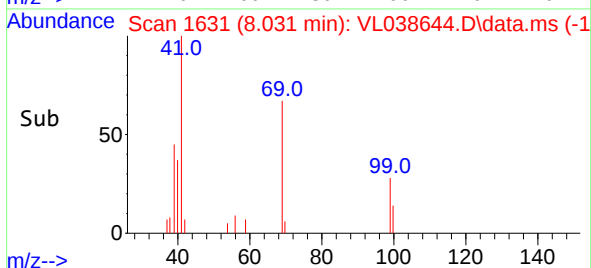
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

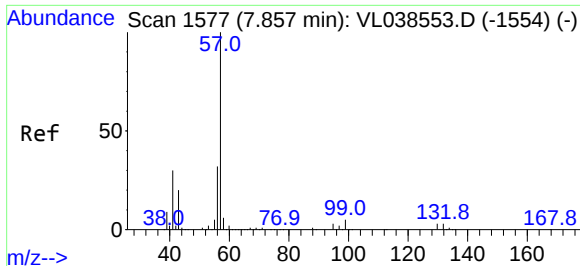


#43
Methyl Methacrylate
Concen: 0.075 ppbv m
RT: 8.031 min Scan# 1631
Delta R.T. 0.029 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



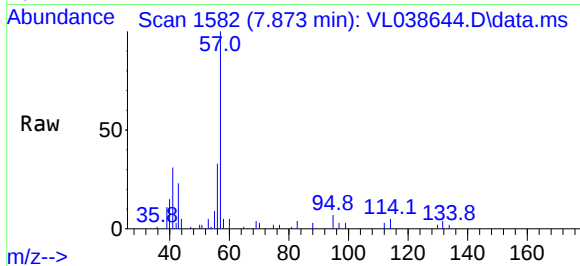
Tgt Ion: 69 Resp: 4853
Ion Ratio Lower Upper
69 100
41 0.0 113.8 170.6#
100 0.0 24.4 36.6#





#44
2,2,4-Trimethylpentane
Concen: 0.094 ppbv m
RT: 7.873 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

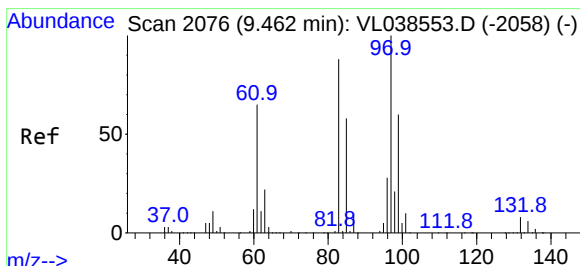
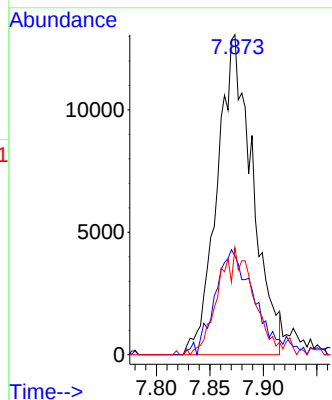
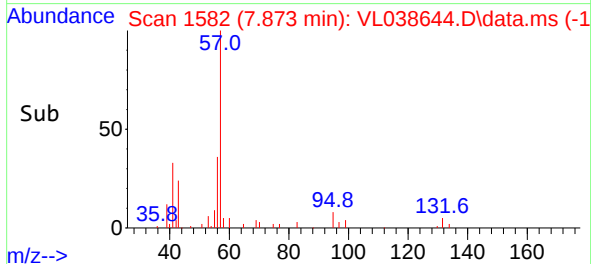
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



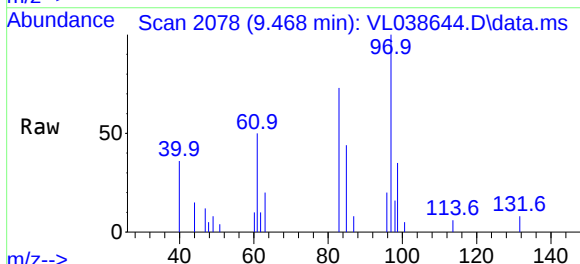
Tgt Ion: 57 Resp: 2991
Ion Ratio Lower Upper
57 100
41 38.3 24.0 36.0
56 35.2 25.6 38.4

Manual Integrations
APPROVED

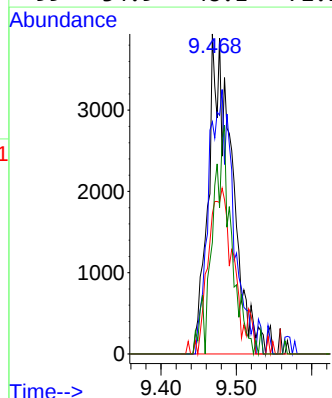
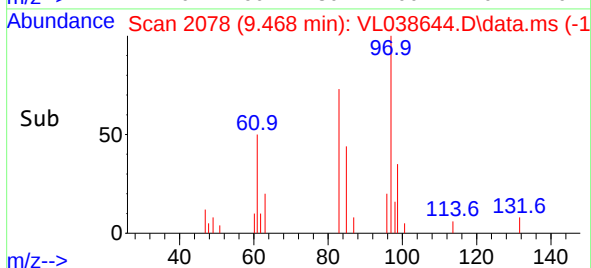
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

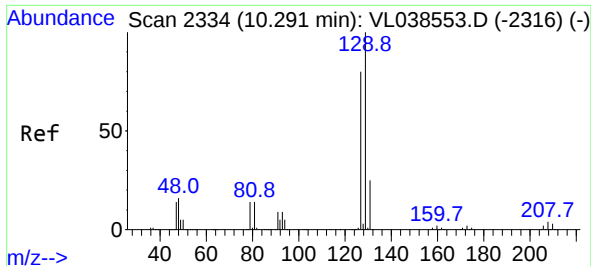


#47
1,1,2-Trichloroethane
Concen: 0.120 ppbv m
RT: 9.468 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



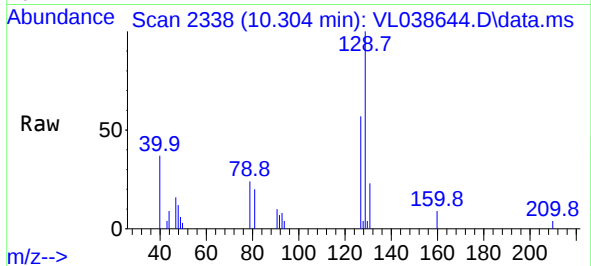
Tgt Ion: 97 Resp: 8864
Ion Ratio Lower Upper
97 100
83 72.6 70.1 105.1
85 43.8 46.6 69.8#
99 34.9 48.1 72.1#





#48
Dibromochloromethane
Concen: 0.085 ppbv m
RT: 10.304 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

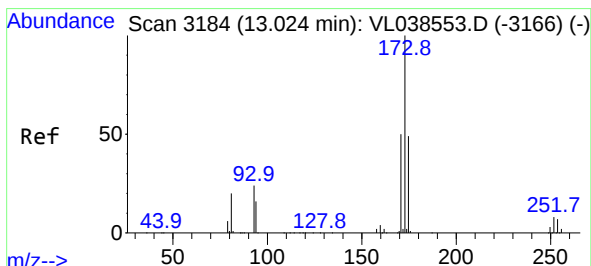
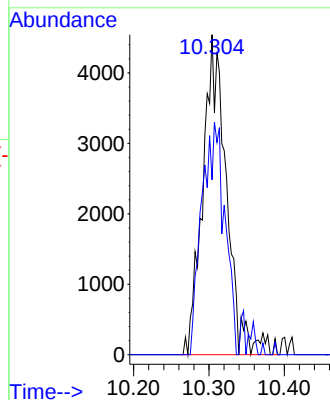
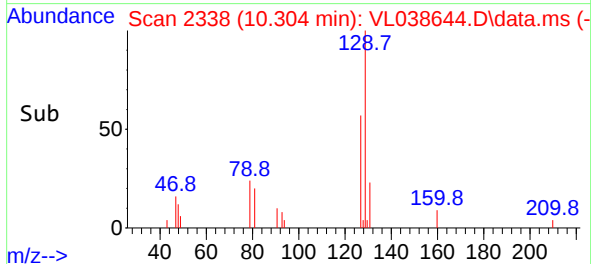
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



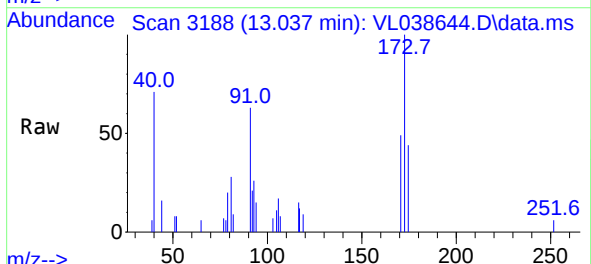
Tgt Ion:129 Resp: 1000
Ion Ratio Lower Upper
129 100
127 72.3 39.5 118.3

Manual Integrations
APPROVED

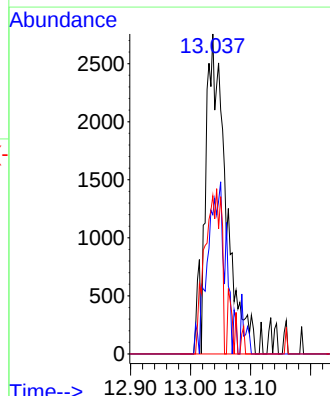
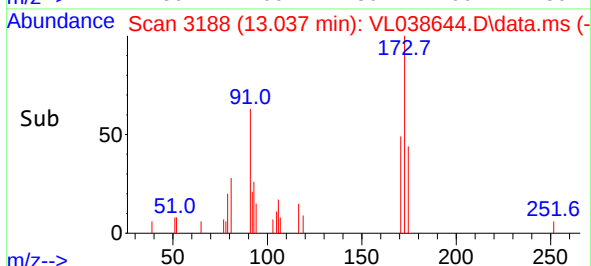
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

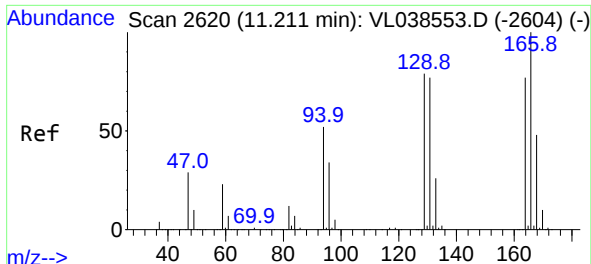


#49
Bromoform
Concen: 0.076 ppbv m
RT: 13.037 min Scan# 3188
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



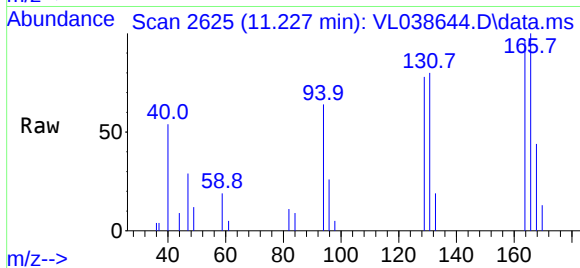
Tgt Ion:173 Resp: 6812
Ion Ratio Lower Upper
173 100
175 48.7 40.7 61.1
171 45.7 42.9 64.3





#52
Tetrachloroethene
Concen: 0.110 ppbv m
RT: 11.227 min Scan# 2183
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

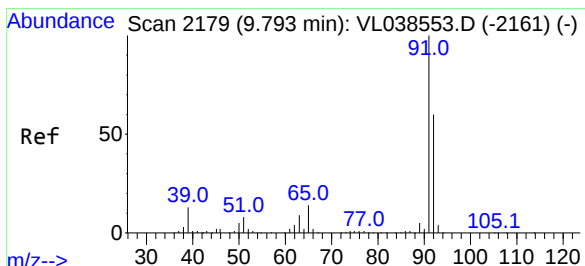
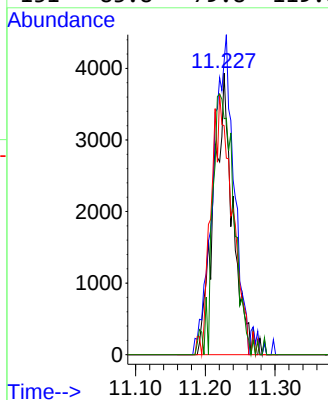
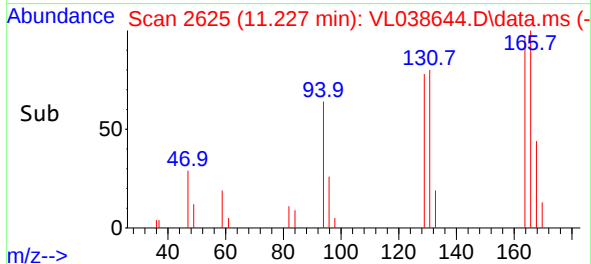
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



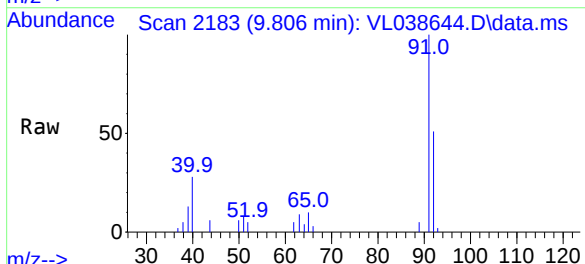
Tgt Ion:164 Resp: 758
Ion Ratio Lower Upper
164 100
166 104.2 103.4 155.2
129 81.3 81.3 121.9
131 83.8 79.8 119.8

Manual Integrations
APPROVED

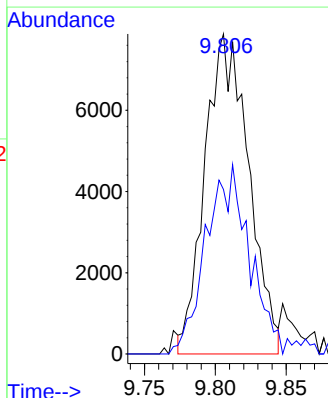
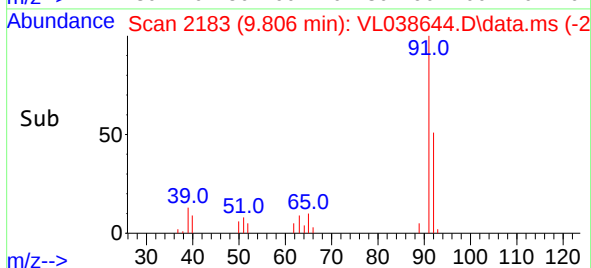
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

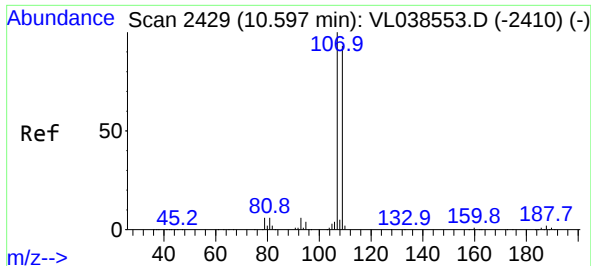


#53
Toluene
Concen: 0.084 ppbv
RT: 9.806 min Scan# 2183
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



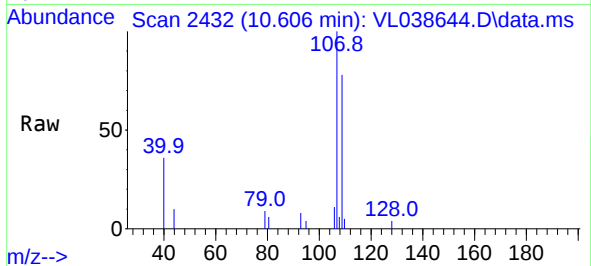
Tgt Ion: 91 Resp: 16945
Ion Ratio Lower Upper
91 100
92 60.7 48.1 72.1





#54
1,2-Dibromoethane
Concen: 0.097 ppbv m
RT: 10.606 min Scan# 2429
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

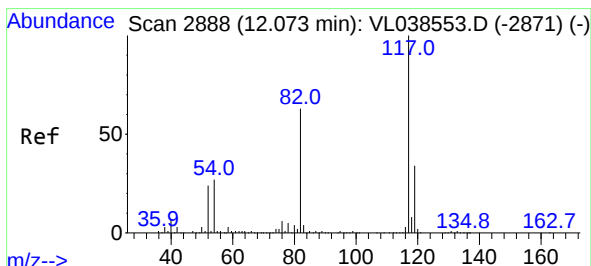
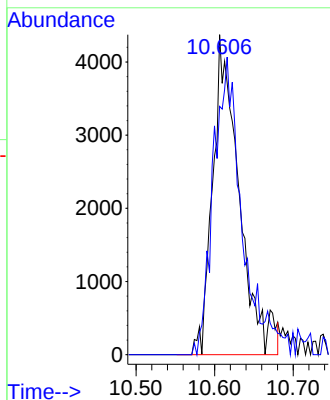
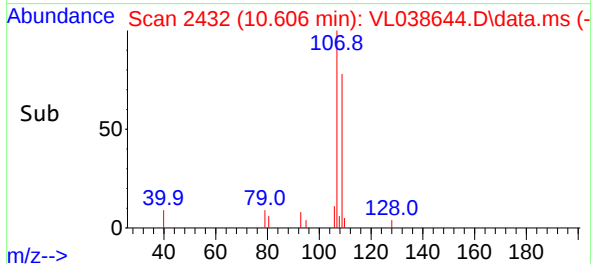
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



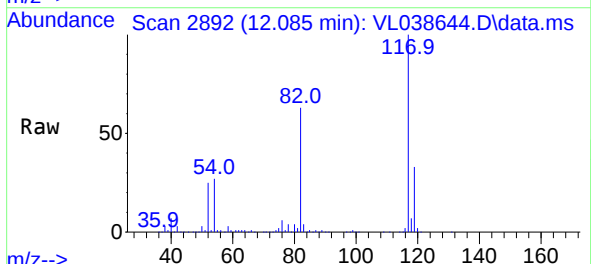
Tgt Ion:107 Resp: 1021
Ion Ratio Lower Upper
107 100
109 77.6 74.6 112.0

Manual Integrations
APPROVED

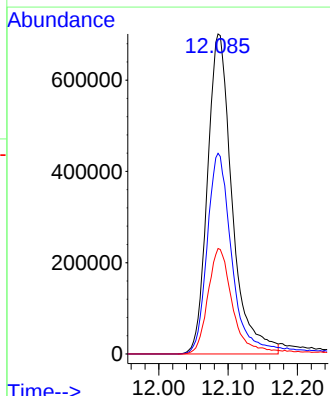
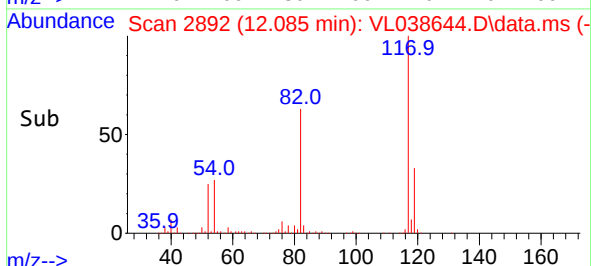
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

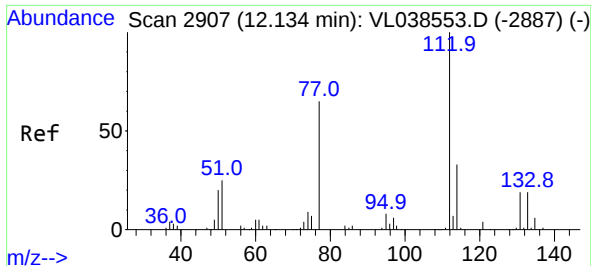


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



Tgt Ion:117 Resp: 1736243
Ion Ratio Lower Upper
117 100
82 66.5 52.5 78.7
119 34.4 46.4 69.6#





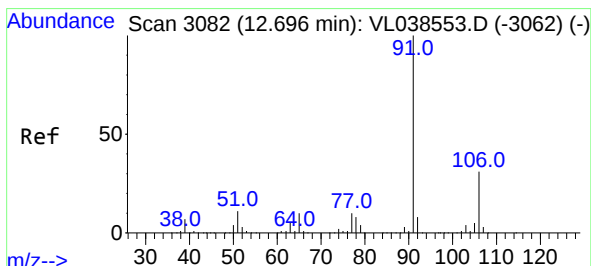
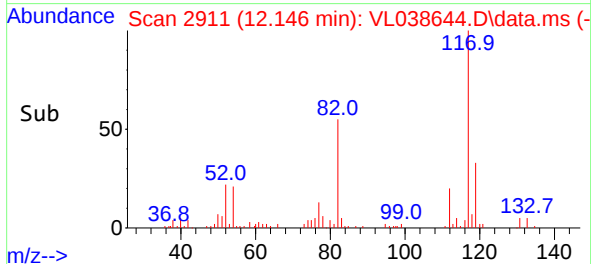
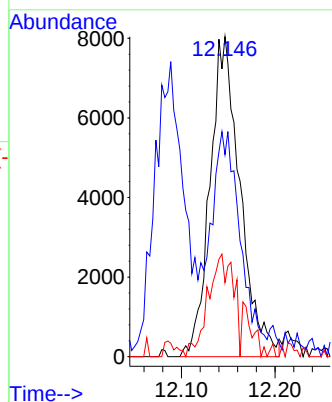
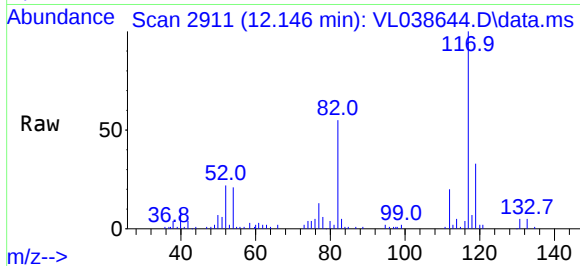
#57
Chlorobenzene
Concen: 0.136 ppbv m
RT: 12.146 min Scan# 2907
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion:112 Resp: 18020
Ion Ratio Lower Upper
112 100
77 63.2 52.5 78.7
114 23.1 30.0 36.6

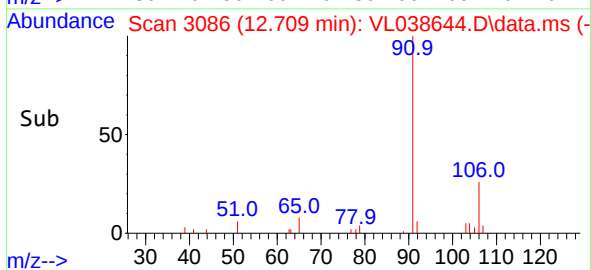
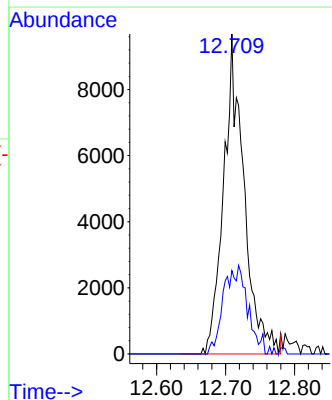
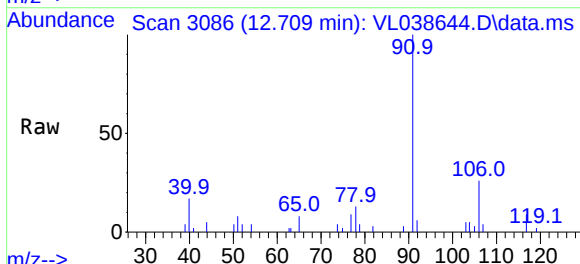
Manual Integrations
APPROVED

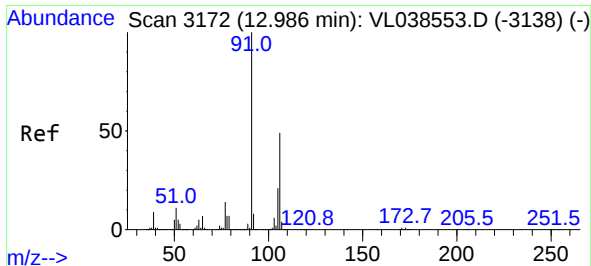
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#58
Ethyl Benzene
Concen: 0.088 ppbv m
RT: 12.709 min Scan# 3086
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Tgt Ion: 91 Resp: 19870
Ion Ratio Lower Upper
91 100
106 26.0 24.6 37.0





#59

m/p-Xylene

Concen: 0.175 ppbv m

RT: 12.999 min Scan# 3176

Delta R.T. 0.013 min

Lab File: VL038644.D

Acq: 18 Mar 2022 3:01

Instrument :

MSVOA_L

ClientSampleId :

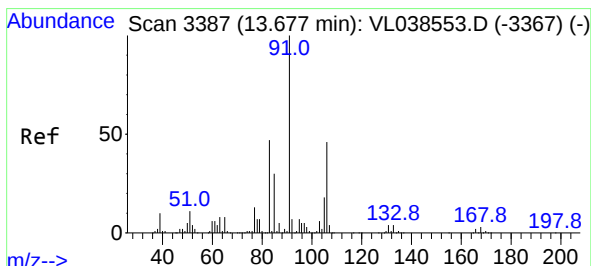
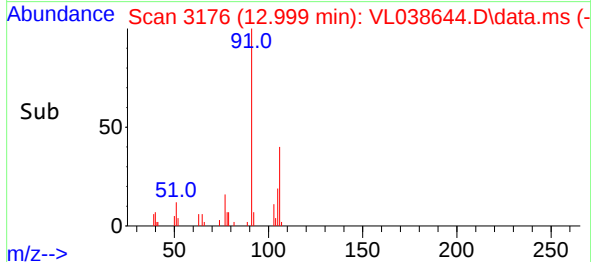
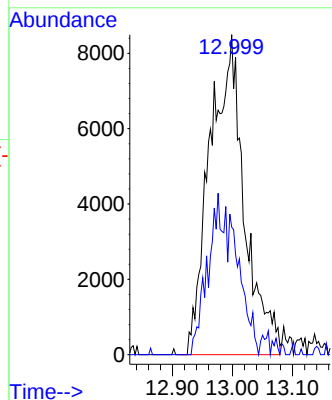
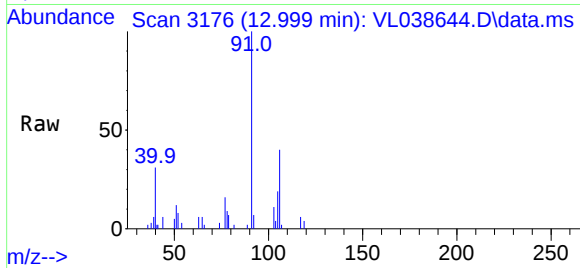
MDL-AIR-03-QT1-2022DL

Tgt Ion: 91 Resp: 3370
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#60

o-Xylene

Concen: 0.083 ppbv m

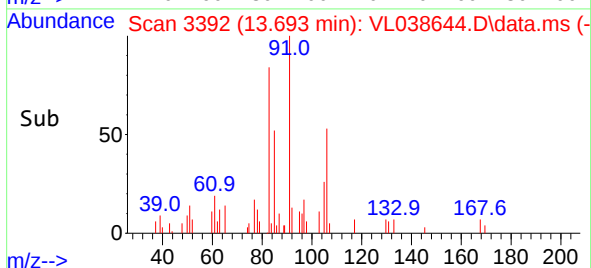
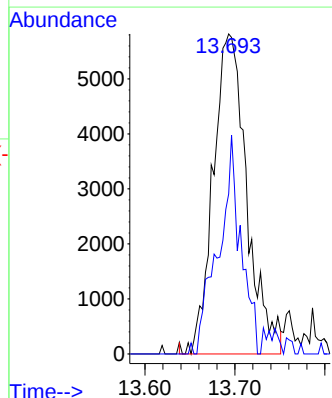
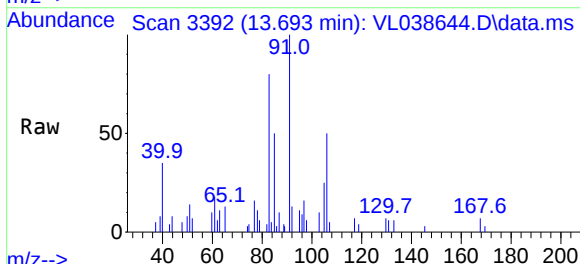
RT: 13.693 min Scan# 3392

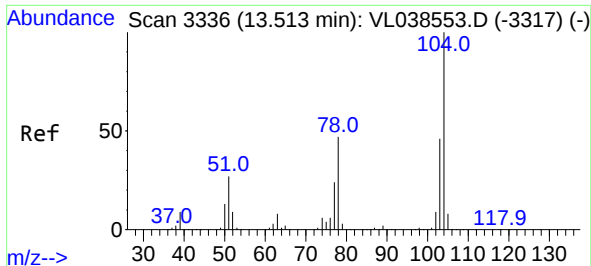
Delta R.T. 0.016 min

Lab File: VL038644.D

Acq: 18 Mar 2022 3:01

Tgt Ion: 91 Resp: 15043
 Ion Ratio Lower Upper
 91 100
 106 50.1 23.5 70.6





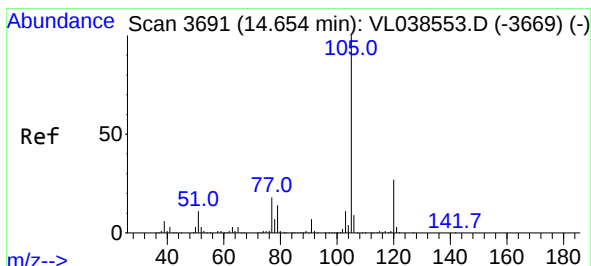
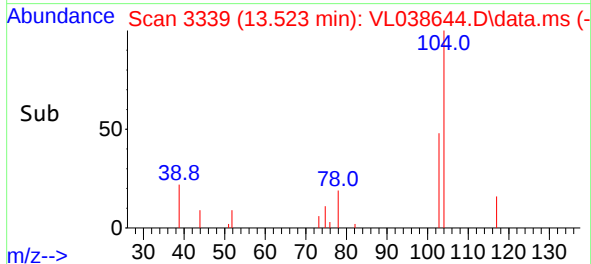
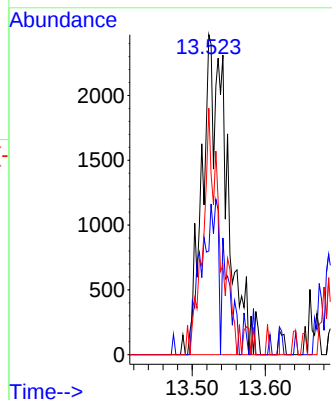
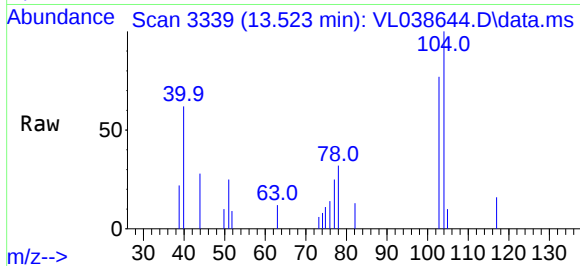
#61
Styrene
Concen: 0.067 ppbv m
RT: 13.523 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion:104 Resp: 5972
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4
103 54.9 38.0 57.0

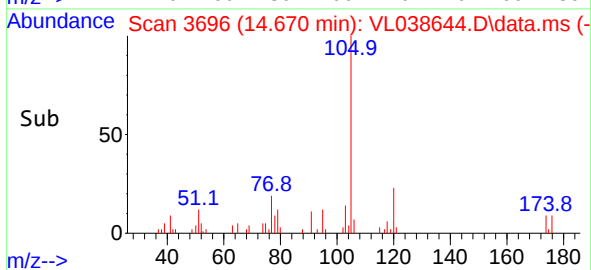
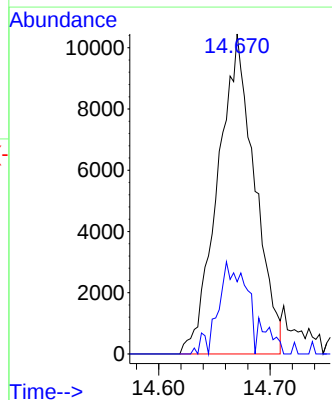
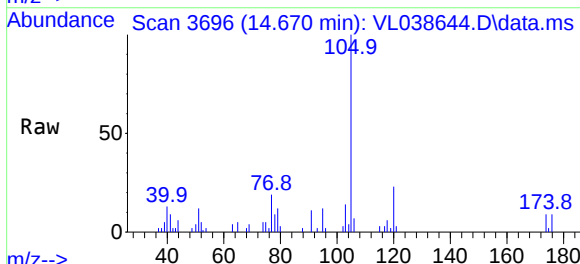
Manual Integrations
APPROVED

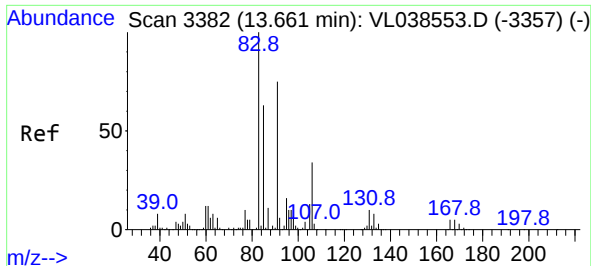
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#62
Isopropylbenzene
Concen: 0.096 ppbv
RT: 14.670 min Scan# 3696
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Tgt Ion:105 Resp: 24111
Ion Ratio Lower Upper
105 100
120 25.7 21.2 31.8





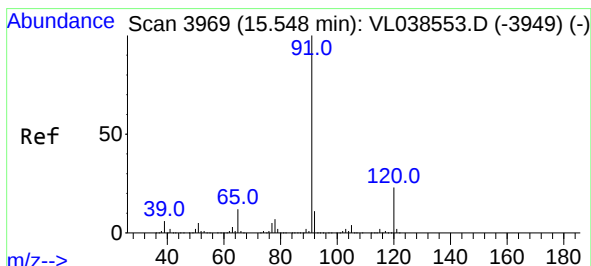
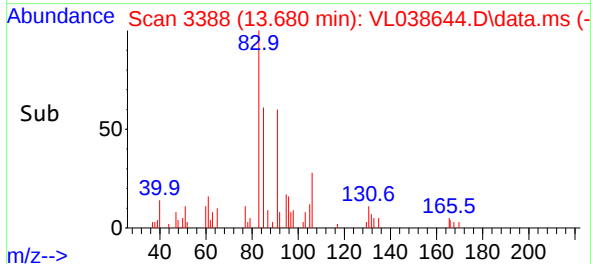
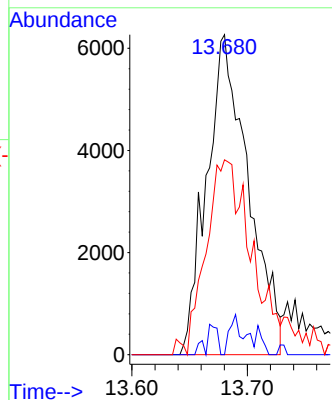
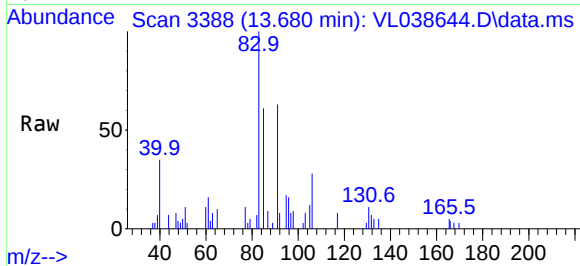
#63
1,1,2,2-Tetrachloroethane
Concen: 0.102 ppbv
RT: 13.680 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 83 Resp: 1571
Ion Ratio Lower Upper
83 100
131 6.0 4.7 14.1
85 73.7 32.6 98.0

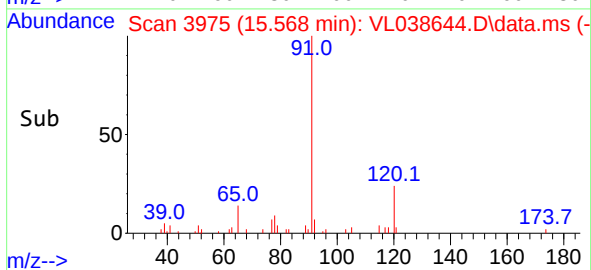
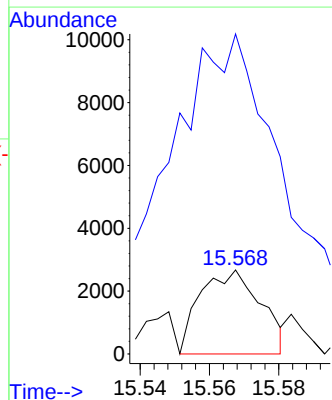
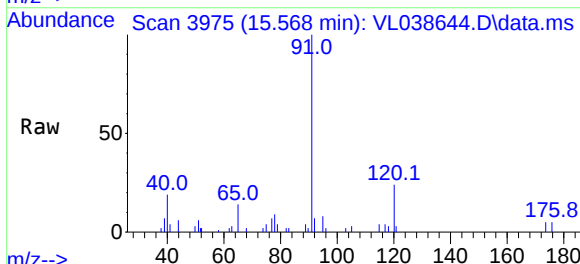
Manual Integrations
APPROVED

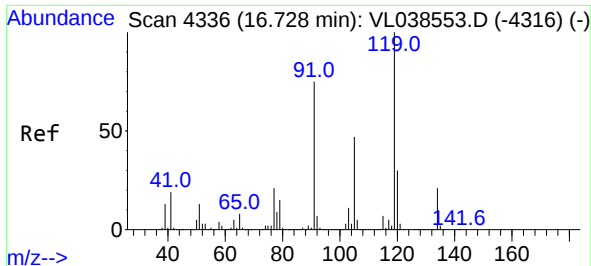
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#64
n-propylbenzene
Concen: 0.051 ppbv
RT: 15.568 min Scan# 3975
Delta R.T. 0.019 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Tgt Ion:120 Resp: 3254
Ion Ratio Lower Upper
120 100
91 763.0 374.2 561.2#





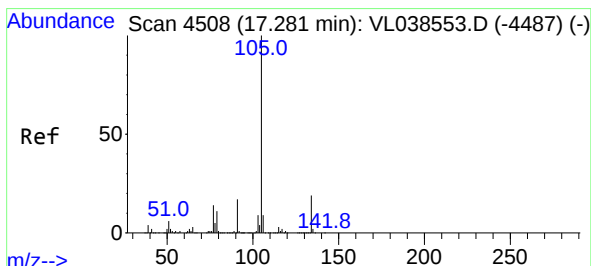
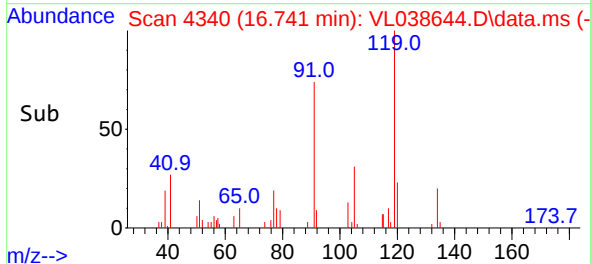
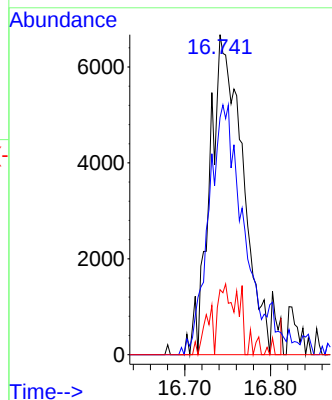
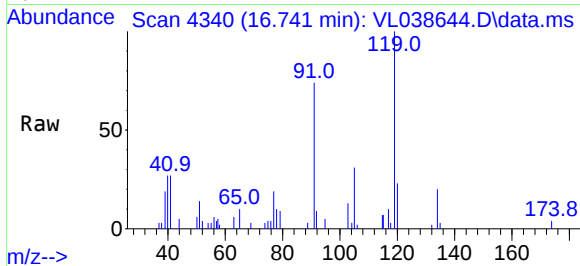
#65
tert-Butylbenzene
Concen: 0.082 ppbv m
RT: 16.741 min Scan# 411
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion:119 Resp: 18334
Ion Ratio Lower Upper
119 100
91 85.9 61.2 91.8
134 17.9 16.2 24.2

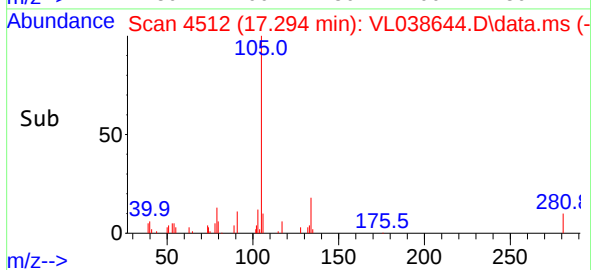
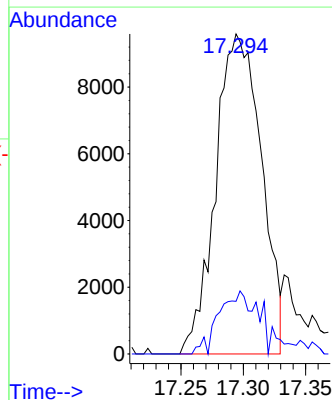
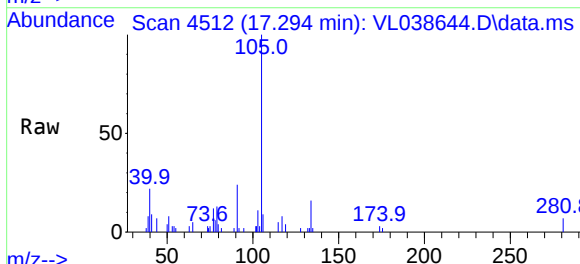
Manual Integrations
APPROVED

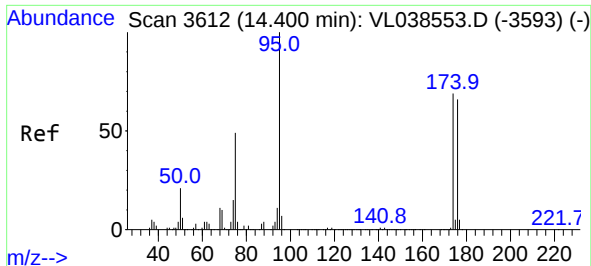
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#67
sec-Butylbenzene
Concen: 0.077 ppbv
RT: 17.294 min Scan# 4512
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

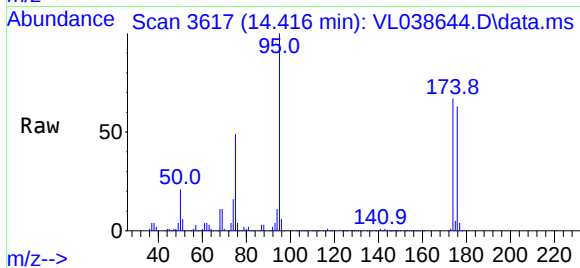
Tgt Ion:105 Resp: 24493
Ion Ratio Lower Upper
105 100
134 18.4 15.0 22.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.045 ppbv
RT: 14.416 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

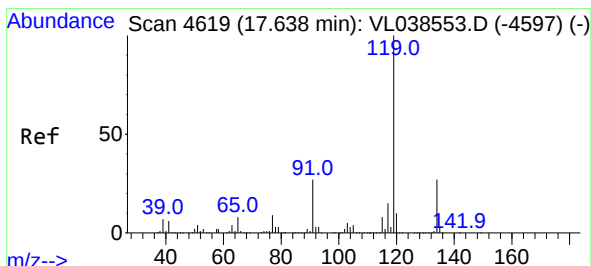
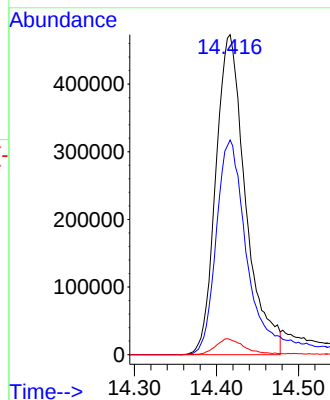
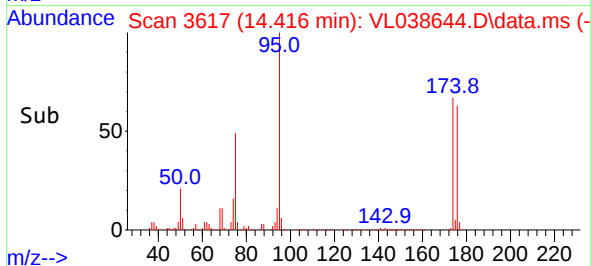
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



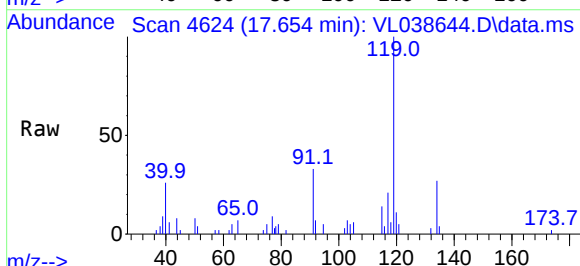
Tgt Ion: 95 Resp: 119396
Ion Ratio Lower Upper
95 100
174 75.4 56.2 84.4
175 4.9 4.2 6.2

Manual Integrations
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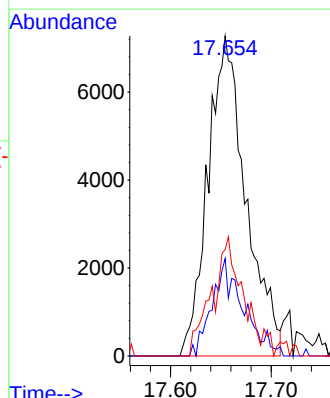
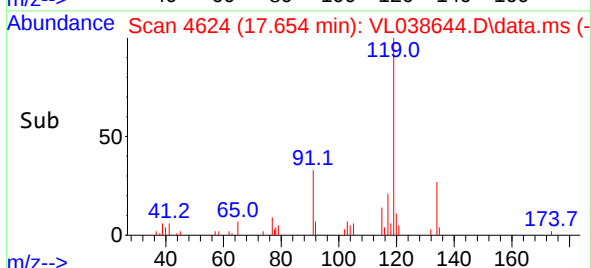
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

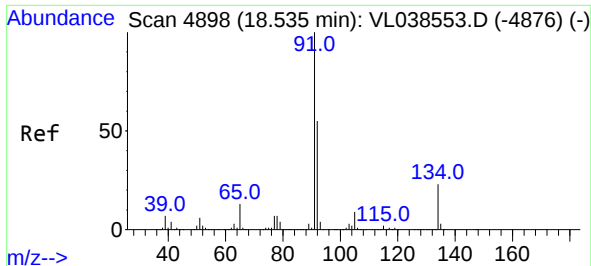


#69
p-Isopropyltoluene
Concen: 0.072 ppbv
RT: 17.654 min Scan# 4624
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



Tgt Ion:119 Resp: 19114
Ion Ratio Lower Upper
119 100
134 25.0 20.9 31.3
91 32.6 21.1 31.7#





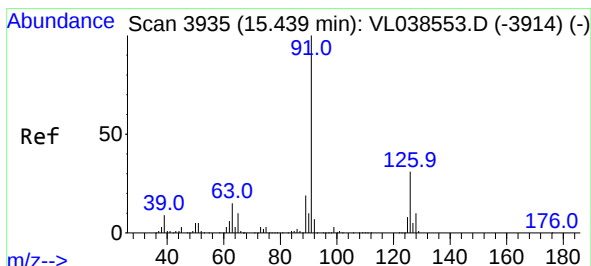
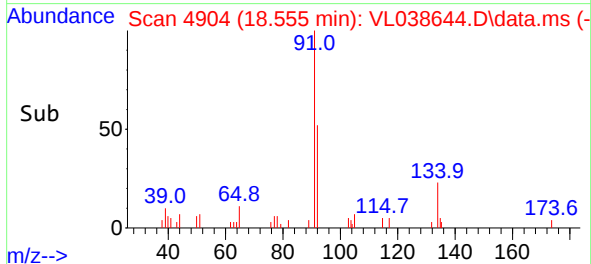
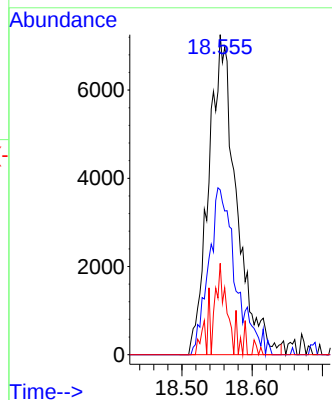
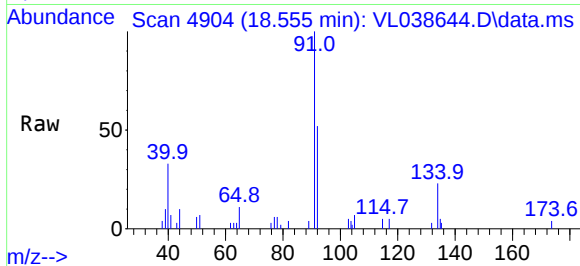
#70
n-Butylbenzene
Concen: 0.071 ppbv m
RT: 18.555 min Scan# 4904
Delta R.T. 0.019 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 91 Resp: 19850
Ion Ratio Lower Upper
91 100
92 51.1 43.8 65.8
134 16.0 18.7 28.1

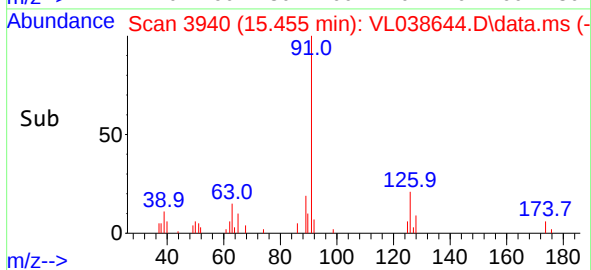
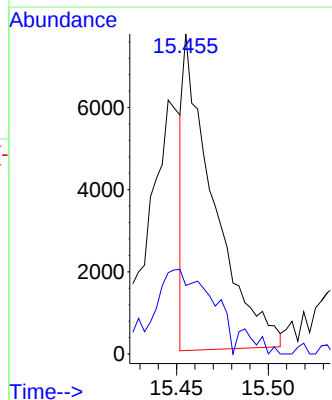
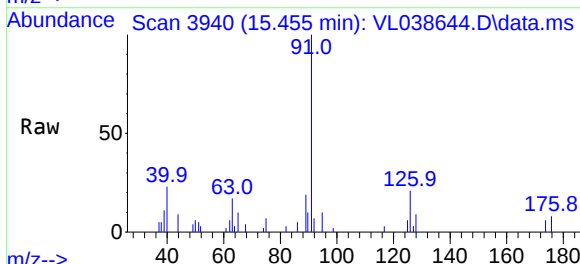
Manual Integrations
APPROVED

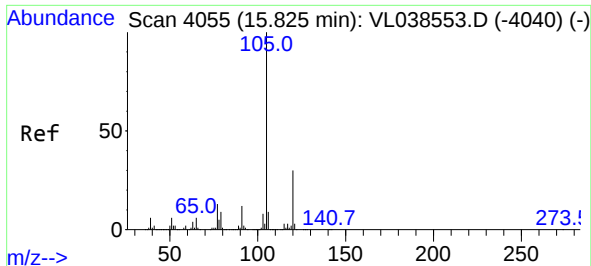
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#71
2-Chlorotoluene
Concen: 0.047 ppbv
RT: 15.455 min Scan# 3940
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Tgt Ion: 91 Resp: 8775
Ion Ratio Lower Upper
91 100
126 57.4 12.9 51.7#





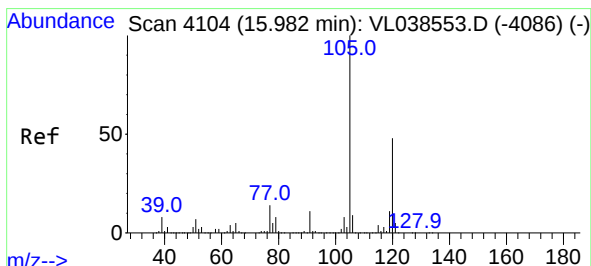
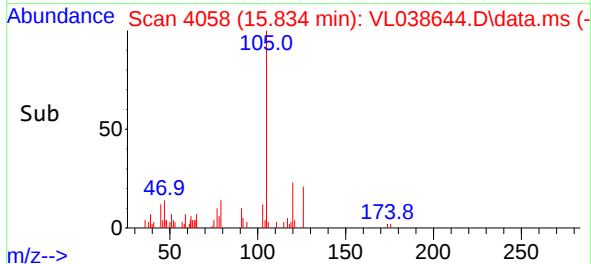
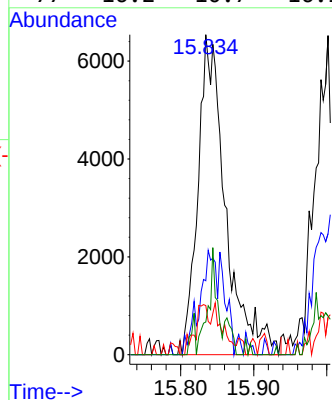
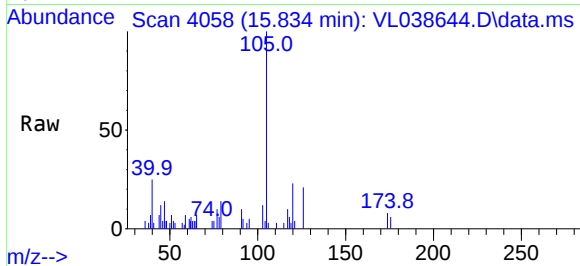
#72
4-Ethyltoluene
Concen: 0.082 ppbv m
RT: 15.834 min Scan# 4055
Delta R.T. 0.010 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion:	105	Resp:	1715
Ion Ratio	Lower	Upper	
105	100		
120	0.0	25.0	37.4
91	15.2	9.8	14.6
77	16.2	10.7	16.1

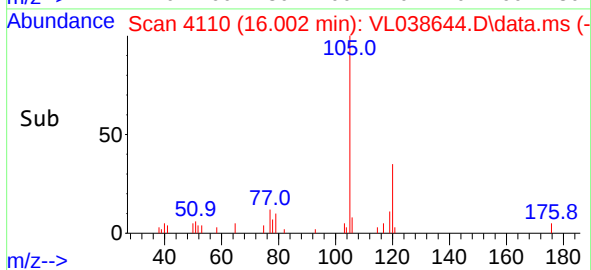
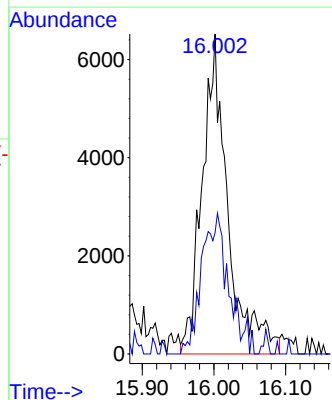
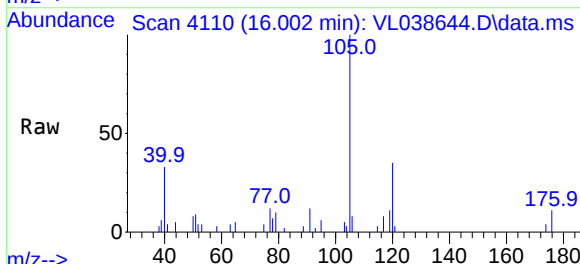
Manual Integrations
APPROVED

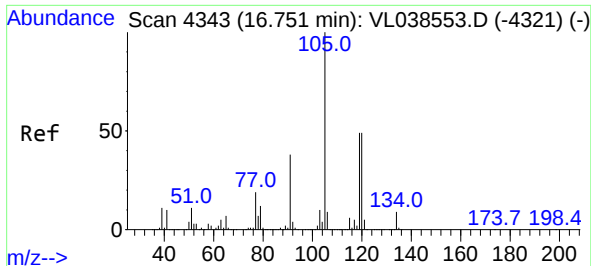
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.084 ppbv m
RT: 16.002 min Scan# 4110
Delta R.T. 0.019 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

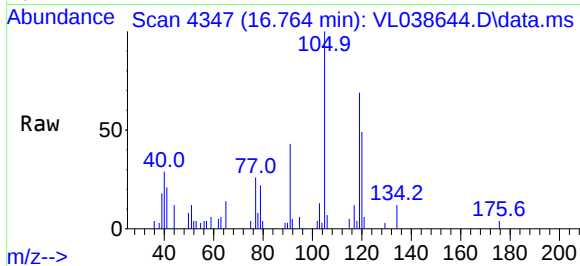
Tgt Ion:	105	Resp:	16196
Ion Ratio	Lower	Upper	
105	100		
120	34.6	38.3	57.5





#74
1,2,4-Trimethylbenzene
Concen: 0.083 ppbv m
RT: 16.764 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

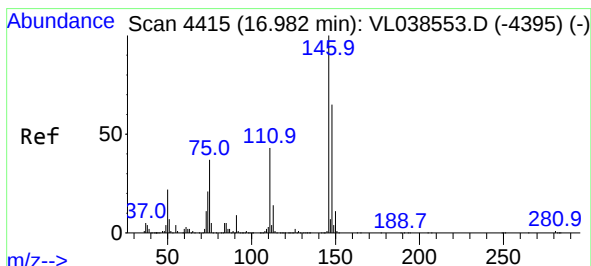
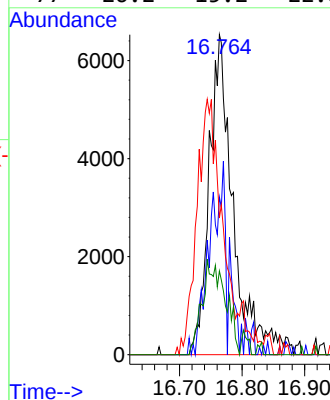
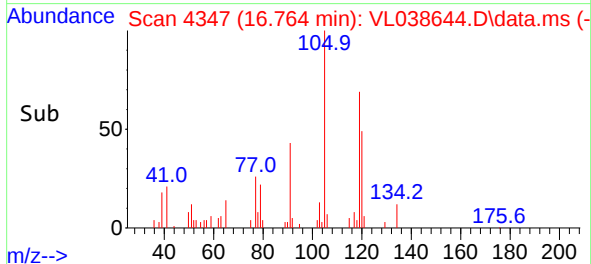
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



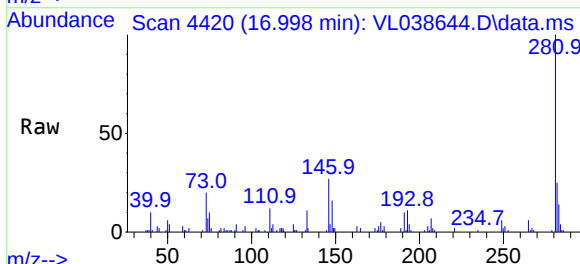
Tgt Ion:	105	Resp:	1718
Ion	Ratio	Lower	Upper
105	100		
120	49.2	38.9	58.3
91	42.7	30.6	46.0
77	26.2	15.2	22.8

Manual Integrations
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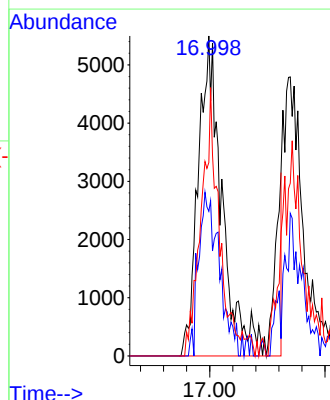
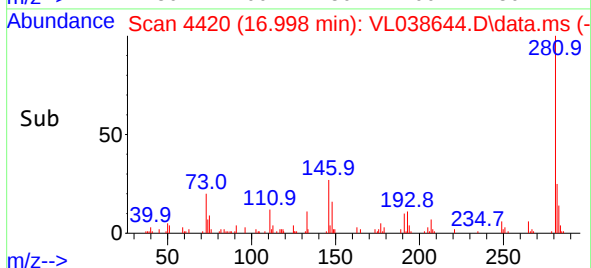
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

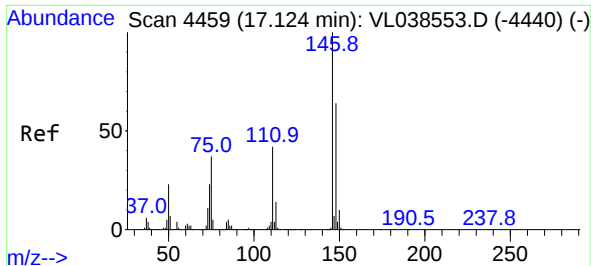


#75
1,3-Dichlorobenzene
Concen: 0.139 ppbv m
RT: 16.998 min Scan# 4420
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



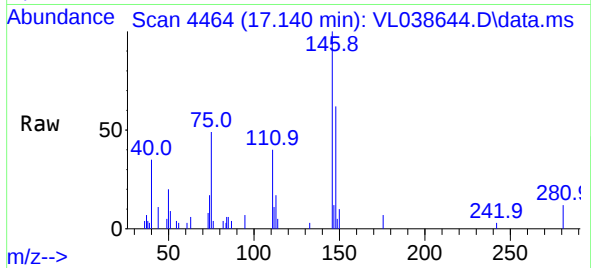
Tgt Ion:	146	Resp:	18149
Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.9	65.8
148	55.9	32.2	96.6





#76
1,4-Dichlorobenzene
Concen: 0.112 ppbv
RT: 17.140 min Scan# 4459
Delta R.T. 0.016 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

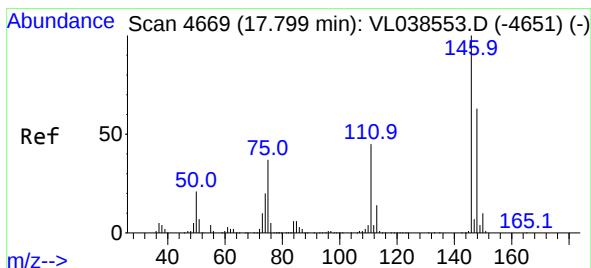
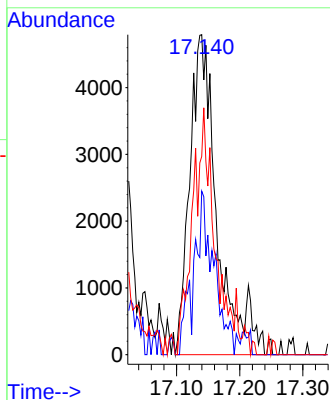
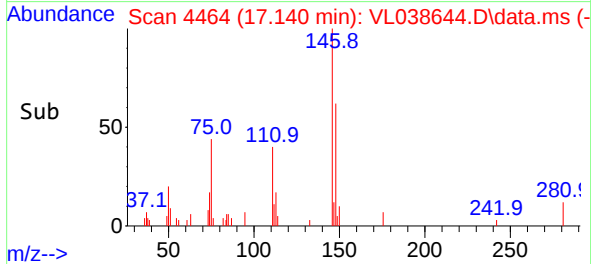
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion:146 Resp: 1448
Ion Ratio Lower Upper
146 100
111 39.7 21.8 65.3
148 65.9 32.8 98.4

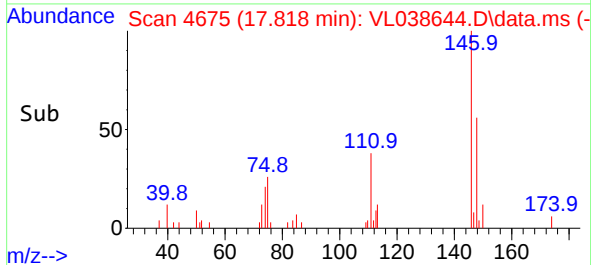
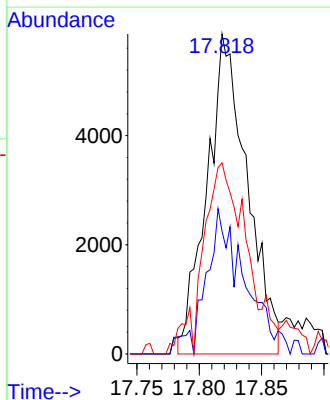
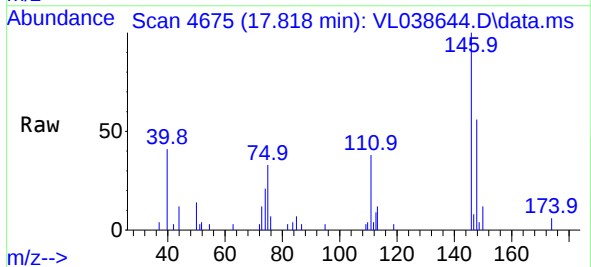
Manual Integrations
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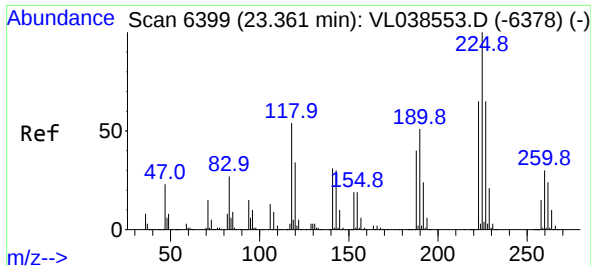
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#77
1,2-Dichlorobenzene
Concen: 0.100 ppbv
RT: 17.818 min Scan# 4675
Delta R.T. 0.019 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

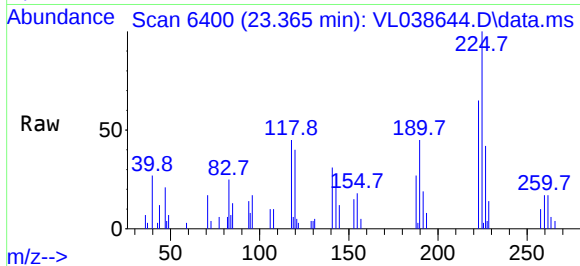
Tgt Ion:146 Resp: 13163
Ion Ratio Lower Upper
146 100
111 44.9 23.2 69.5
148 72.3 32.6 98.0





#78
Hexachloro-1,3-Butadiene
Concen: 0.140 ppbv m
RT: 23.365 min Scan# 6400
Delta R.T. 0.003 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01

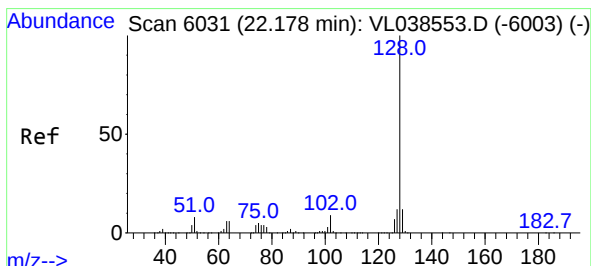
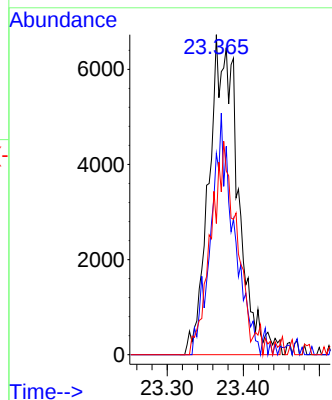
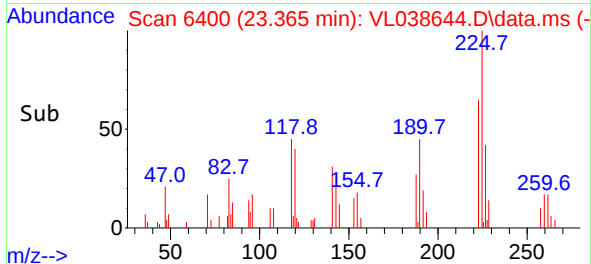
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



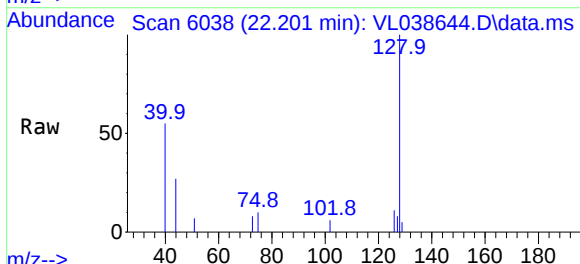
Tgt Ion: 225 Resp: 1802
Ion Ratio Lower Upper
225 100
223 0.0 51.4 77.0#
227 0.0 51.9 77.9#

Manual Integrations
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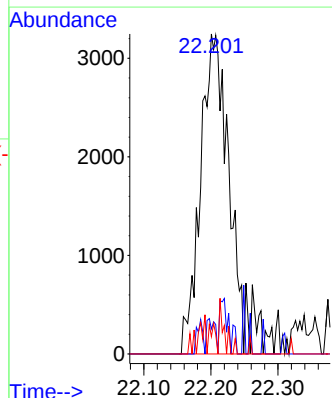
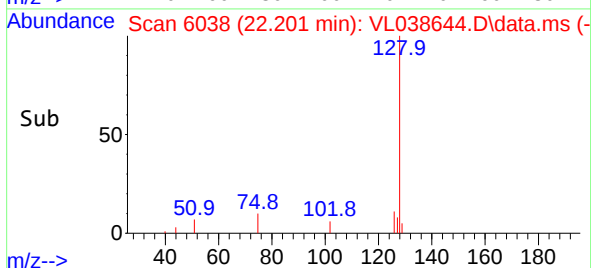
Reviewed By : Semsettin Yesilyurt 03/19/2022
Supervised By : Mahesh Dadoda 03/21/2022

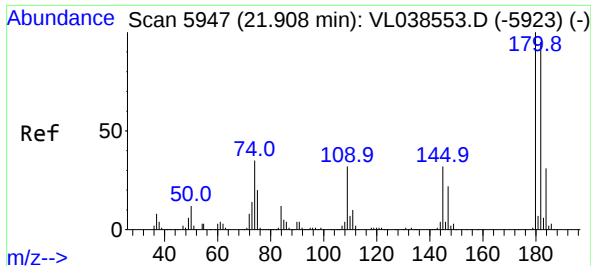


#79
Naphthalene
Concen: 0.055 ppbv m
RT: 22.201 min Scan# 6038
Delta R.T. 0.023 min
Lab File: VL038644.D
Acq: 18 Mar 2022 3:01



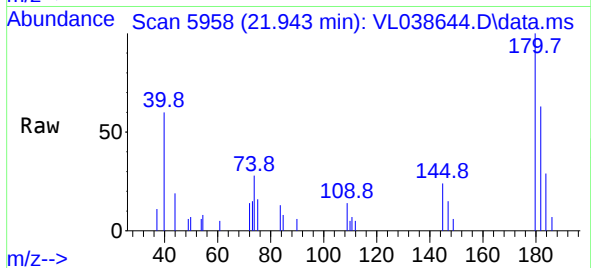
Tgt Ion: 128 Resp: 10250
Ion Ratio Lower Upper
128 100
127 7.8 9.9 14.9#
129 5.4 9.3 13.9#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.074 ppbv m
 RT: 21.943 min Scan# 5958
 Delta R.T. 0.035 min
 Lab File: VL038644.D
 Acq: 18 Mar 2022 3:01

Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL



Tgt Ion:180 Resp: 885
 Ion Ratio Lower Upper
 180 100
 182 88.0 79.1 118.7
 184 23.0 25.0 37.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022

