

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040138.D
 Acq On : 30 Jan 2023 18:22
 Operator : SY/MD
 Sample : N4955-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

Quant Time: Jan 31 05:30:34 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	5.179	49	782301	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2067313	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.461	117	1873057	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	1586979	10.194	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.713	85	82340m	0.600	ppbv	
3) Chlorodifluoromethane	2.658	51	53689	0.572	ppbv	99
4) Chloromethane	2.796	50	31936	0.551	ppbv	97
5) Vinyl Chloride	2.906	62	24844	0.505	ppbv	95
6) Bromomethane	3.102	94	8791	0.490	ppbv #	78
7) Chloroethane	3.182	64	9624	0.512	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	70183	0.548	ppbv	98
9) Propene	2.677	41	19695	0.505	ppbv	99
10) Heptane	7.571	43	39808m	0.443	ppbv	
11) Trichlorofluoromethane	3.545	101	71794	0.524	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.050	101	55141	0.536	ppbv	97
13) Ethanol	3.246	45	1811m	0.505	ppbv	
14) Bromoethene	3.353	108	18992m	0.497	ppbv	
15) Acetone	3.471	43	53753	0.573	ppbv	93
16) 1,3-Butadiene	2.973	39	20206	0.462	ppbv	92
17) tert-Butyl alcohol	3.880	59	43269	0.495	ppbv #	93
18) 1,1-Dichloroethene	3.864	96	22042	0.493	ppbv	98
19) Isopropyl Alcohol	3.578	45	23539	0.513	ppbv #	90
20) Methylene Chloride	3.915	84	23701	0.573	ppbv	89
21) Allyl Chloride	3.983	41	29042	0.482	ppbv	92
22) trans-1,2-Dichloroethene	4.433	96	22175	0.485	ppbv	93
23) Vinyl Acetate	4.623	43	18222m	0.599	ppbv	
24) 1,1-Dichloroethane	4.549	63	51251	0.556	ppbv	99
25) Ethyl Acetate	5.198	43	84621	0.512	ppbv	98
26) Hexane	5.201	57	34728m	0.480	ppbv	
27) Carbon Disulfide	4.115	76	37513m	0.400	ppbv	
28) Methyl tert-Butyl Ether	4.587	73	40579	0.499	ppbv	98
29) Chloroform	5.256	83	69530	0.601	ppbv	89
30) Cyclohexane	6.590	84	25760m	0.448	ppbv	
31) cis-1,2-Dichloroethene	5.063	61	36781	0.525	ppbv	94
32) 1,1,1-Trichloroethane	5.992	97	59005	0.502	ppbv	94
34) 2-Butanone	4.783	43	51278	0.524	ppbv	97
35) Carbon Tetrachloride	6.481	117	60326m	0.516	ppbv	
36) Benzene	6.359	78	69775	0.456	ppbv	96
37) 1,2-Dichloroethane	5.793	62	49180	0.500	ppbv	99
38) Trichloroethene	7.275	130	42446m	0.489	ppbv	
39) 1,2-Dichloropropane	7.060	63	30871	0.516	ppbv	96
40) 1,4-Dioxane	7.323	88	11937m	0.503	ppbv	
41) Tetrahydrofuran	5.571	42	25355m	0.449	ppbv	
42) Bromodichloromethane	7.237	83	60704	0.457	ppbv #	95
43) Methyl Methacrylate	7.475	69	22601m	0.403	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	120927	0.475	ppbv	93
45) t-1,3-Dichloropropene	8.709	75	18405m	0.368	ppbv	

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 Misc : 400mL/MSVOA_L
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Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

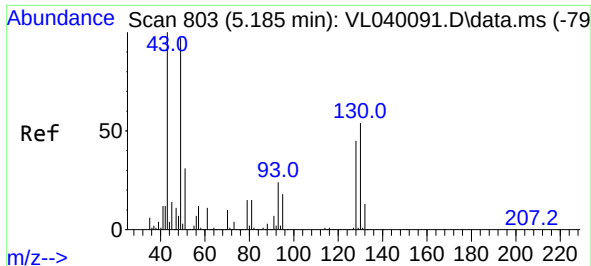
Quant Time: Jan 31 05:30:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 31 05:24:57 2023
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Manual Integrations
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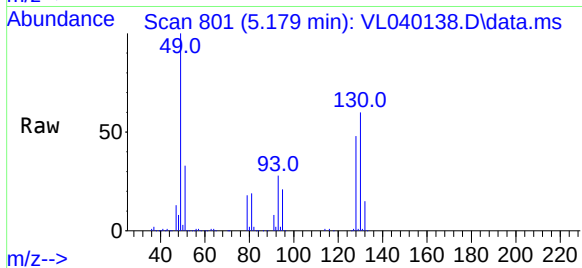
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	26814m	0.392	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	31439	0.499	ppbv	93
48) Dibromochloromethane	9.700	129	43354m	0.428	ppbv	
49) Bromoform	12.400	173	32879	0.421	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	67655m	0.440	ppbv	
51) 2-Hexanone	9.574	43	47578m	0.408	ppbv	
52) Tetrachloroethene	10.606	164	24682	0.493	ppbv #	81
53) Toluene	9.214	91	64343m	0.394	ppbv	
54) 1,2-Dibromoethane	9.995	107	31471m	0.477	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	38987m	0.535	ppbv	
57) Chlorobenzene	11.519	112	69167	0.542	ppbv	98
58) Ethyl Benzene	12.085	91	86227	0.413	ppbv #	86
59) m/p-Xylene	12.371	91	167644m	0.892	ppbv	
60) o-Xylene	13.053	91	75038	0.421	ppbv	99
61) Styrene	12.896	104	32497m	0.350	ppbv	
62) Isopropylbenzene	14.027	105	122741m	0.478	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	36069m	0.557	ppbv	
64) n-propylbenzene	14.918	120	28733m	0.450	ppbv	
65) tert-Butylbenzene	16.088	119	96813m	0.441	ppbv	
66) Benzyl Chloride	16.323	91	5987m	0.399	ppbv	
67) sec-Butylbenzene	16.632	105	139984	0.449	ppbv	97
69) p-Isopropyltoluene	16.995	119	100979	0.413	ppbv	94
70) n-Butylbenzene	17.889	91	112737	0.427	ppbv	95
71) 2-Chlorotoluene	14.799	91	86258m	0.437	ppbv	
72) 4-Ethyltoluene	15.188	105	80827	0.408	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.352	105	78481m	0.440	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	92926m	0.471	ppbv	
75) 1,3-Dichlorobenzene	16.329	146	55165m	0.503	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	51255m	0.475	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	50618m	0.483	ppbv	
78) Hexachloro-1,3-Butadiene	22.625	225	40720m	0.530	ppbv	
79) Naphthalene	21.384	128	42707m	0.378	ppbv	
80) Naphthalene,2-methyl-	24.384	142	10649m	0.279	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	29854m	0.428	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

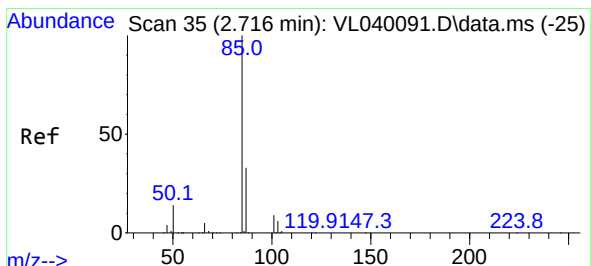
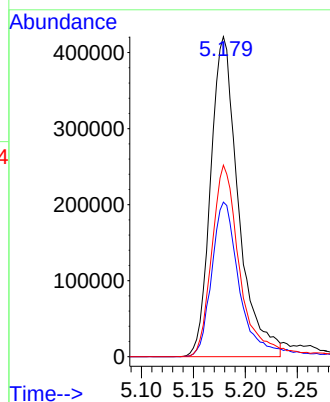
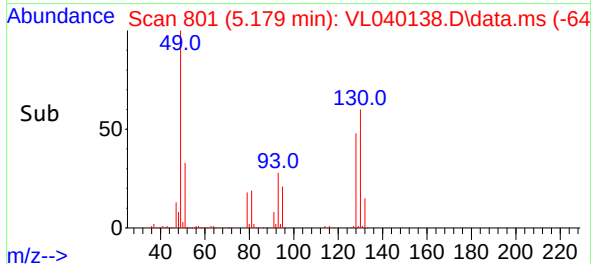
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion: 49 Resp: 78230
Ion Ratio Lower Upper
49 100
128 50.2 23.6 71.0
130 62.3 29.8 89.3

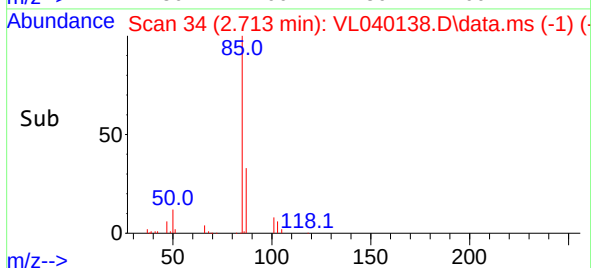
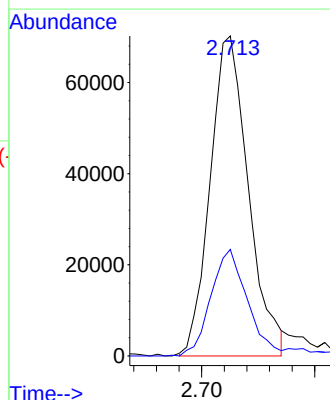
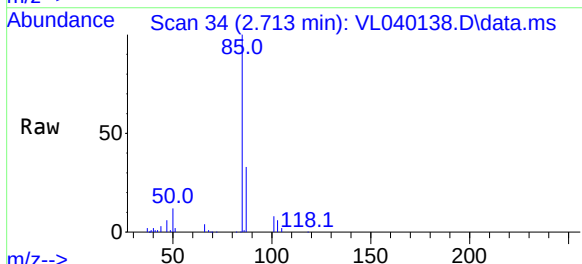
Manual Integrations
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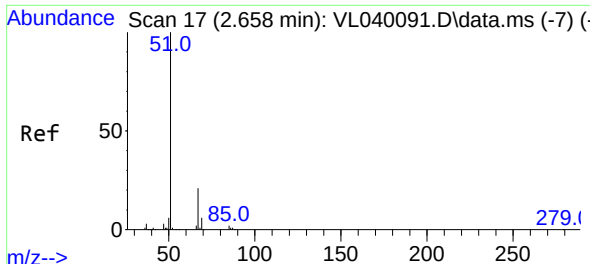
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#2
Dichlorodifluoromethane
Concen: 0.600 ppbv m
RT: 2.713 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

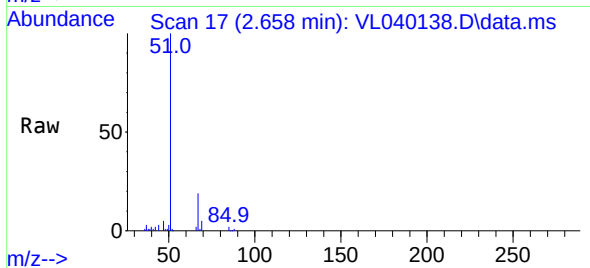
Tgt Ion: 85 Resp: 82340
Ion Ratio Lower Upper
85 100
87 33.3 26.5 39.7





#3
Chlorodifluoromethane
Concen: 0.572 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

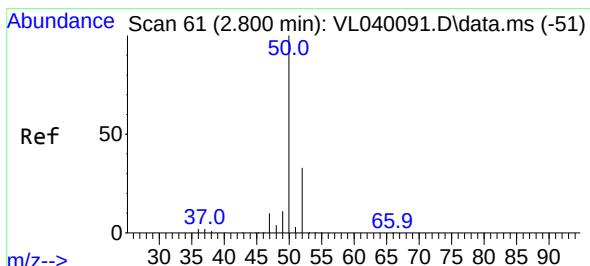
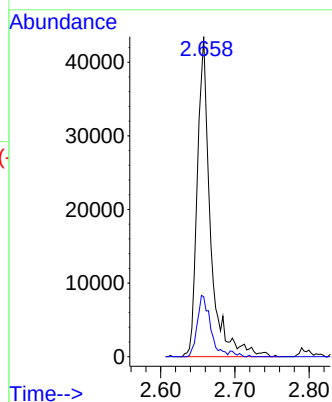
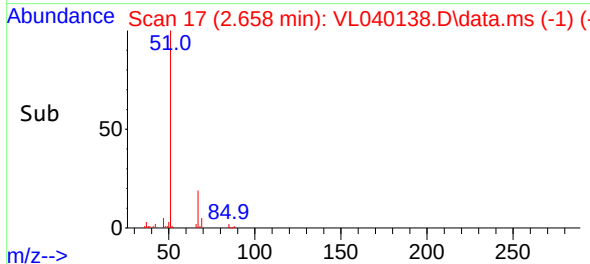
Instrument :
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ClientSampleId :
LOQ-AIR-02-QT4-2022



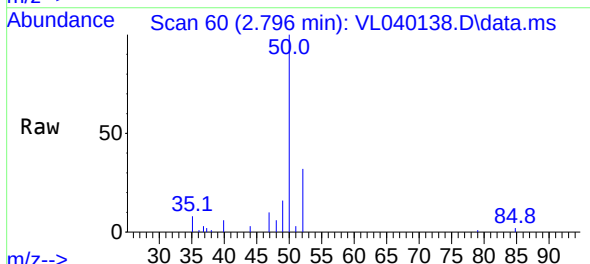
Tgt Ion: 51 Resp: 53689
Ion Ratio Lower Upper
51 100
67 20.1 16.4 24.6

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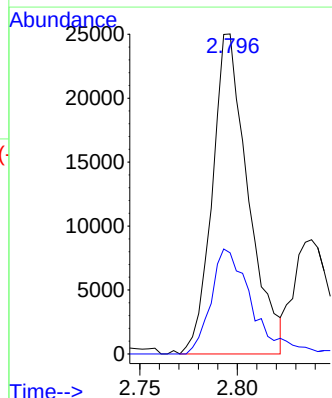
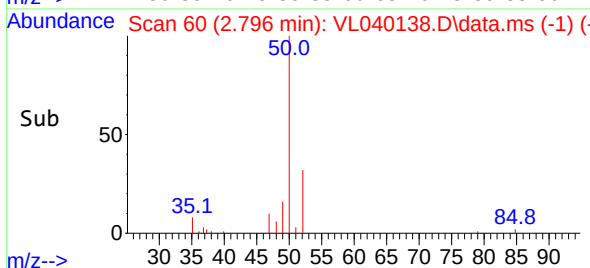
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

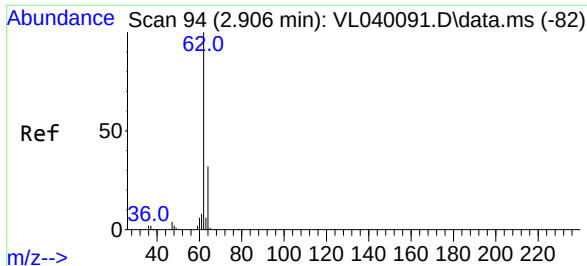


#4
Chloromethane
Concen: 0.551 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



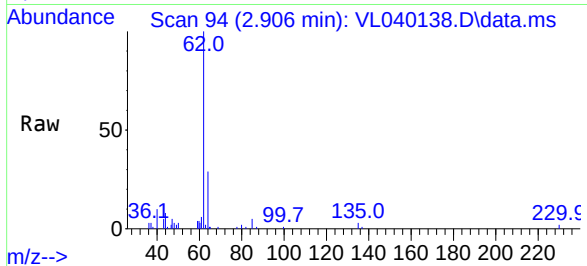
Tgt Ion: 50 Resp: 31936
Ion Ratio Lower Upper
50 100
52 31.6 26.5 39.7





#5
 Vinyl Chloride
 Concen: 0.505 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.003 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22

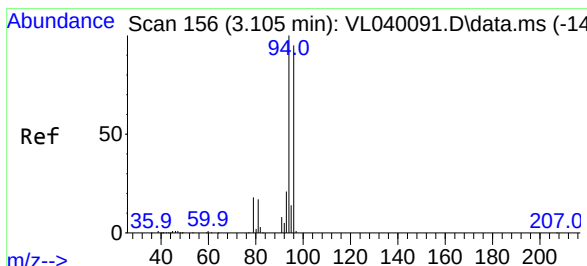
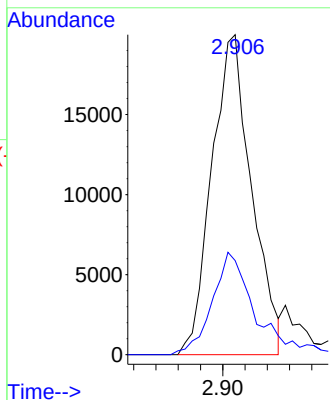
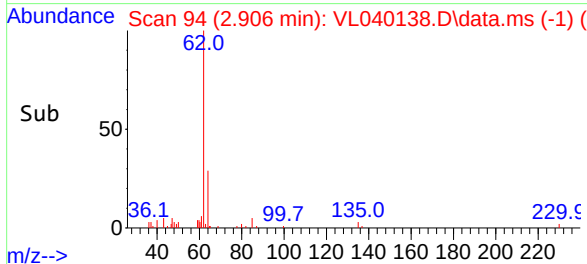
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022



Tgt Ion: 62 Resp: 2484
 Ion Ratio Lower Upper
 62 100
 64 29.3 25.8 38.6

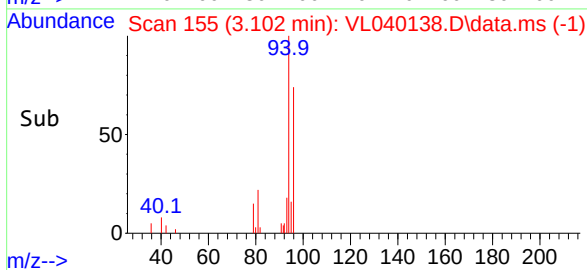
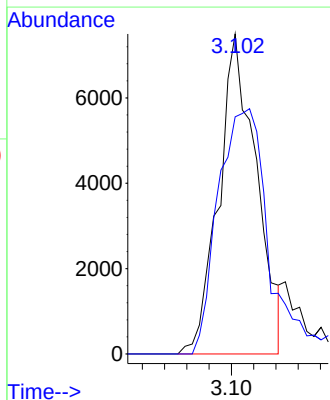
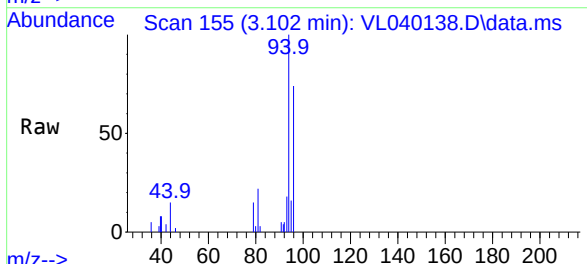
Manual Integrations
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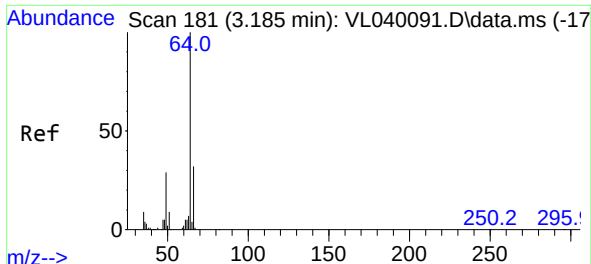
Reviewed By :Semsettin Yesilyurt 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023



#6
 Bromomethane
 Concen: 0.490 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. -0.000 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22

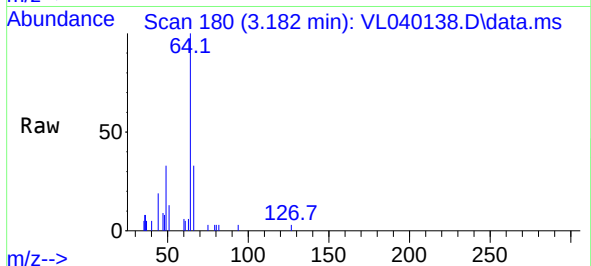
Tgt Ion: 94 Resp: 8791
 Ion Ratio Lower Upper
 94 100
 96 74.1 76.2 114.2#





#7
Chloroethane
Concen: 0.512 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

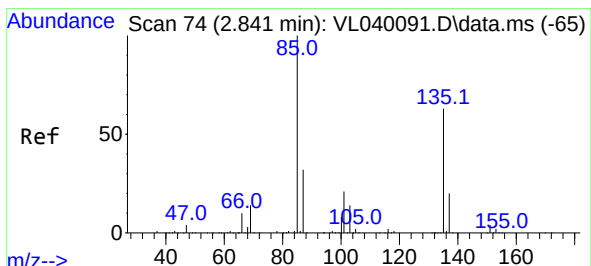
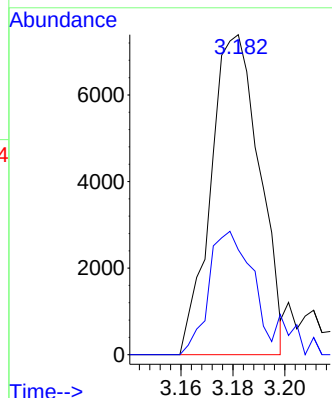
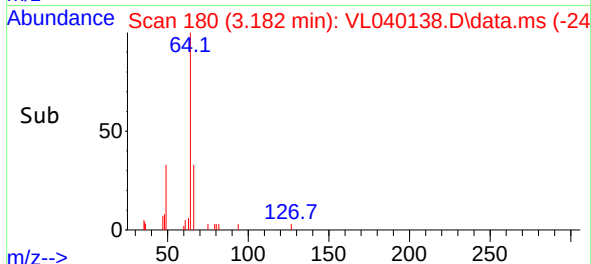
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion: 64 Resp: 9624
Ion Ratio Lower Upper
64 100
66 32.8 25.6 38.4

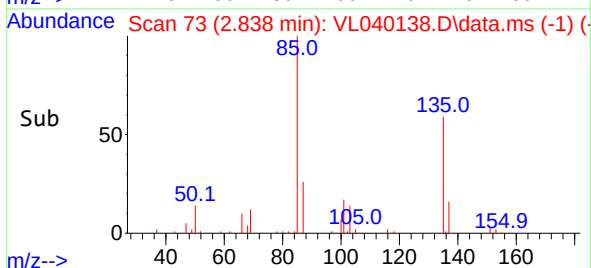
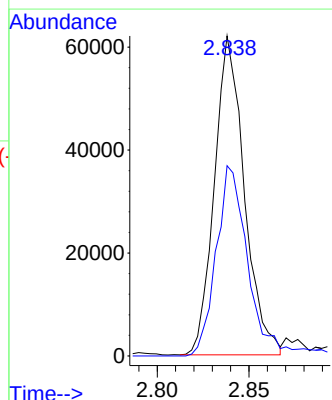
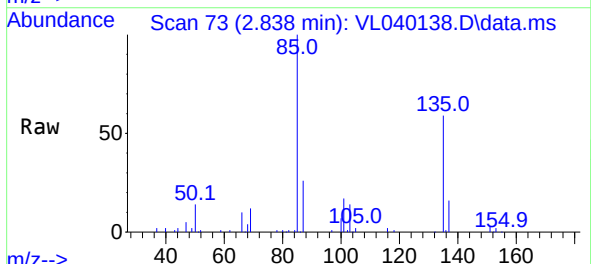
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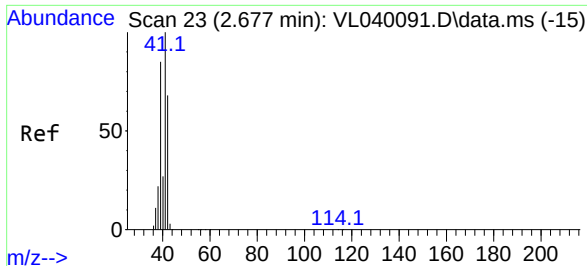
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#8
Dichlorotetrafluoroethane
Concen: 0.548 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

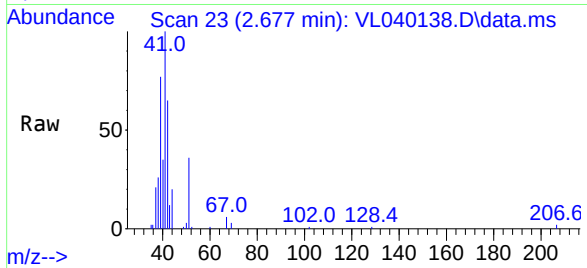
Tgt Ion: 85 Resp: 70183
Ion Ratio Lower Upper
85 100
135 65.6 51.4 77.2





#9
Propene
Concen: 0.505 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

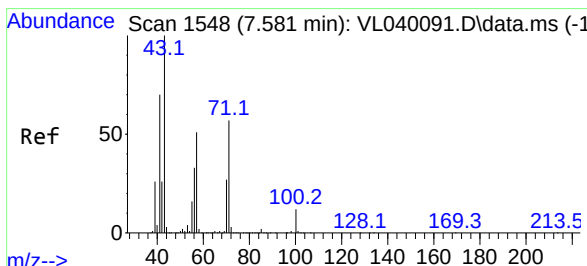
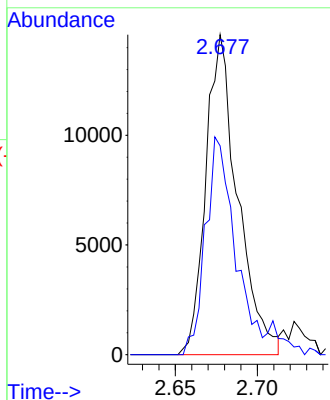
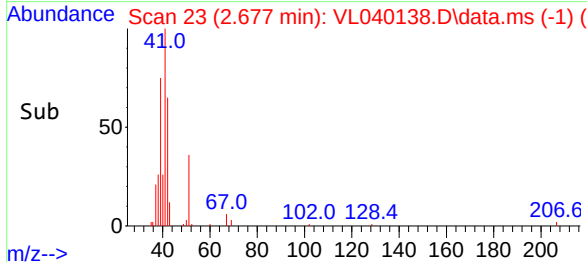
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



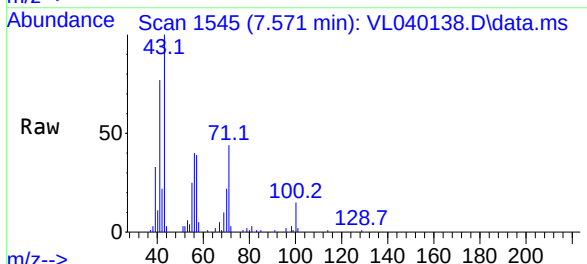
Tgt Ion: 41 Resp: 1969
Ion Ratio Lower Upper
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42 68.6 55.6 83.4

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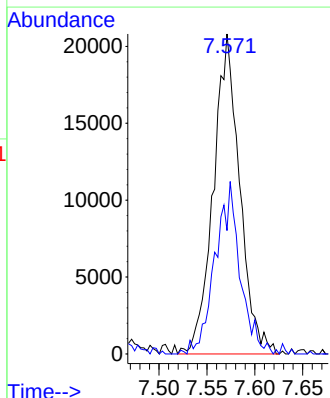
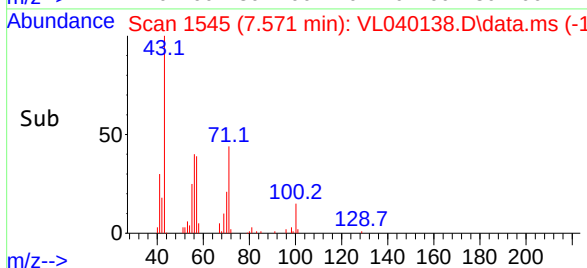
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

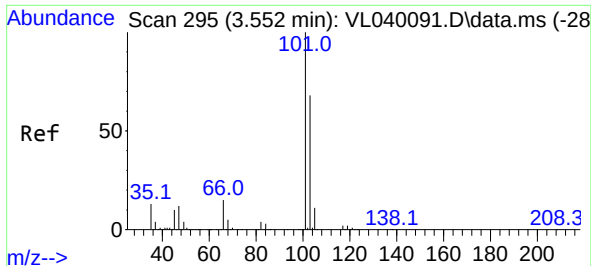


#10
Heptane
Concen: 0.443 ppbv m
RT: 7.571 min Scan# 1545
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



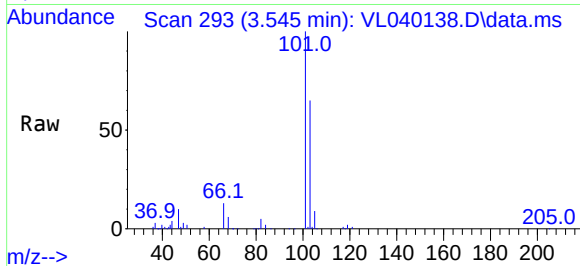
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Ion Ratio Lower Upper
43 100
57 51.2 40.9 61.3





#11
Trichlorofluoromethane
Concen: 0.524 ppbv
RT: 3.545 min Scan# 295
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

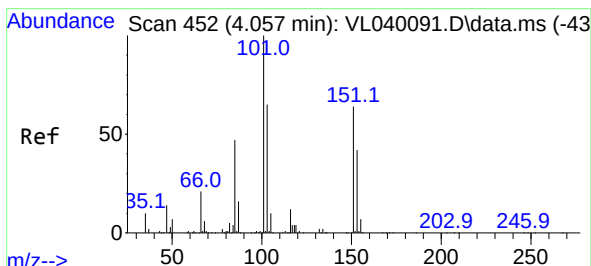
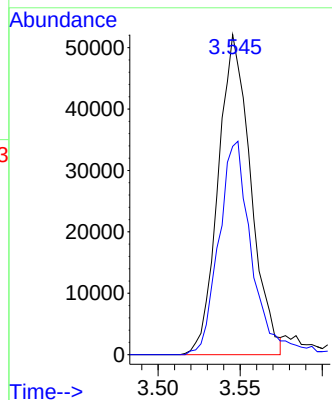
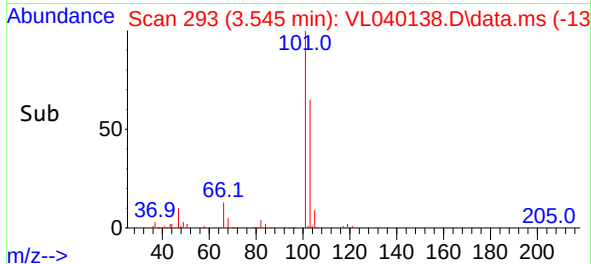
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



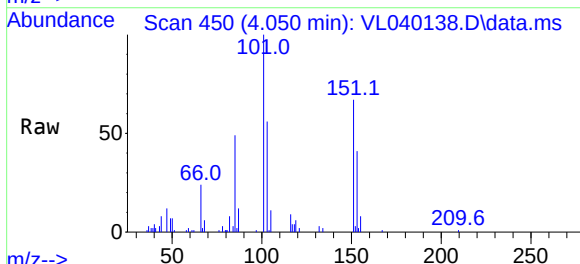
Tgt Ion:101 Resp: 71794
Ion Ratio Lower Upper
101 100
103 65.1 54.0 81.0

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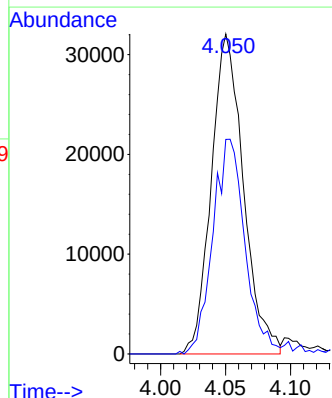
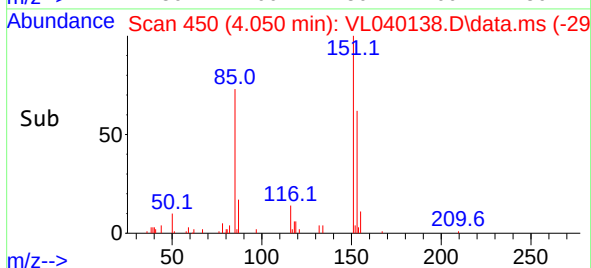
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

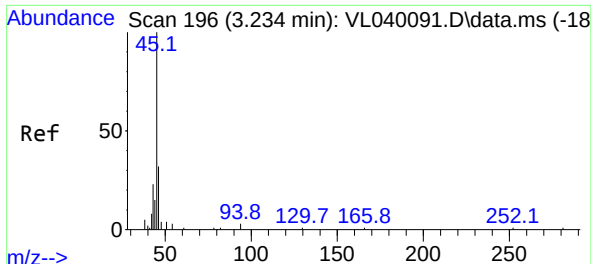


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.536 ppbv
RT: 4.050 min Scan# 450
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



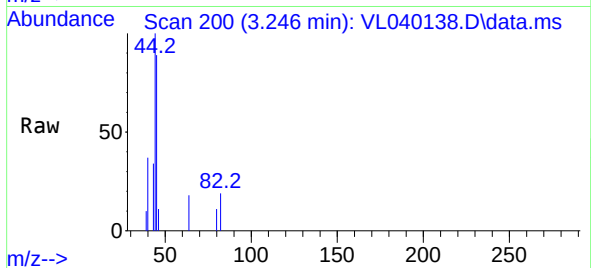
Tgt Ion:101 Resp: 55141
Ion Ratio Lower Upper
101 100
151 69.2 53.2 79.8





#13
Ethanol
Concen: 0.505 ppbv m
RT: 3.246 min Scan# 200
Delta R.T. 0.019 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

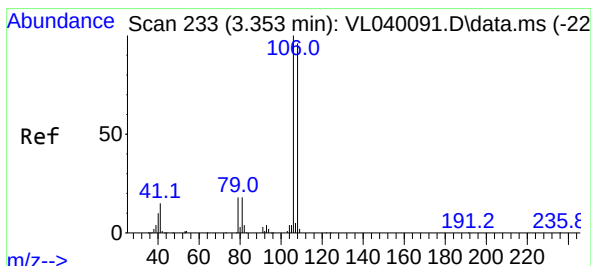
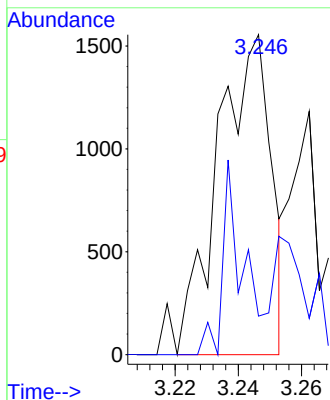
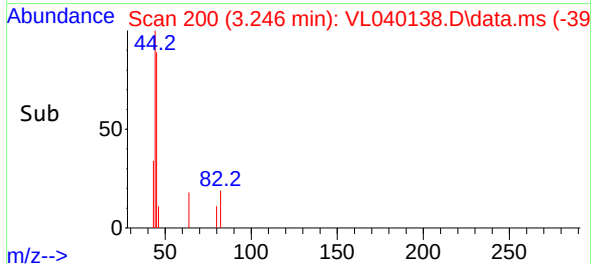
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



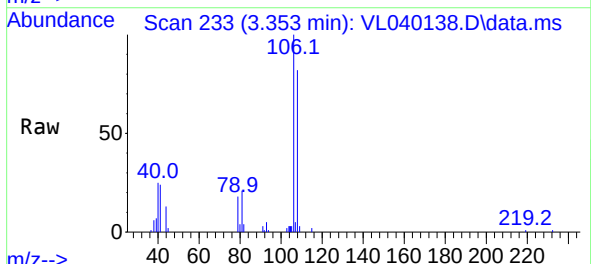
Tgt Ion: 45 Resp: 181
Ion Ratio Lower Upper
45 100
46 66.7 14.8 59.2

Manual Integrations
APPROVED

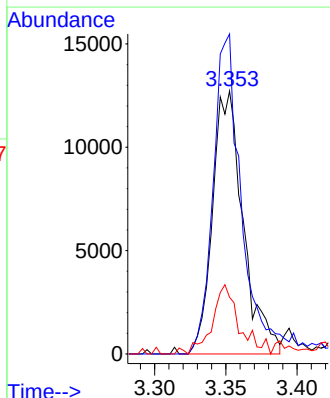
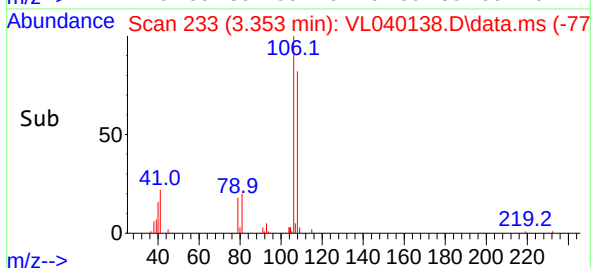
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

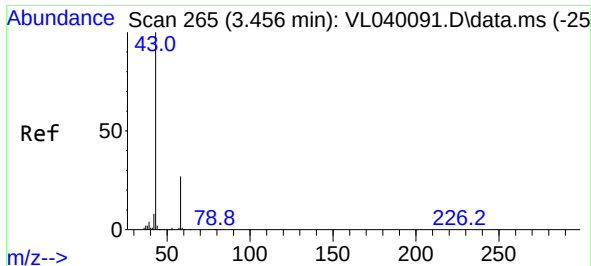


#14
Bromoethene
Concen: 0.497 ppbv m
RT: 3.353 min Scan# 233
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



Tgt Ion:108 Resp: 18992
Ion Ratio Lower Upper
108 100
106 117.5 87.0 130.6
79 28.0 16.1 24.1





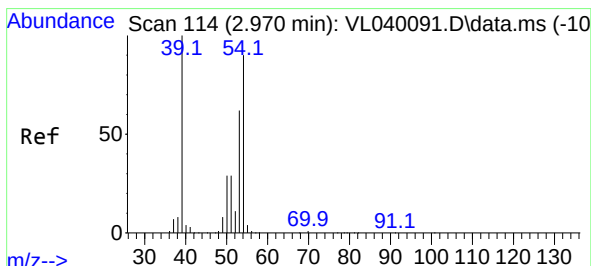
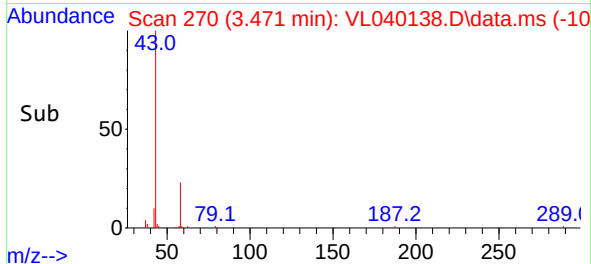
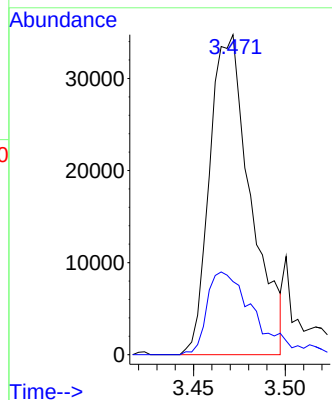
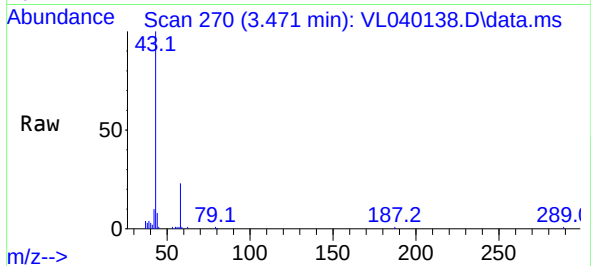
#15
Acetone
Concen: 0.573 ppbv
RT: 3.471 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022

Tgt Ion: 43 Resp: 5375
Ion Ratio Lower Upper
43 100
58 31.1 21.8 32.8

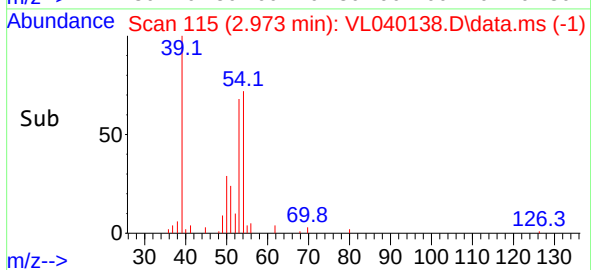
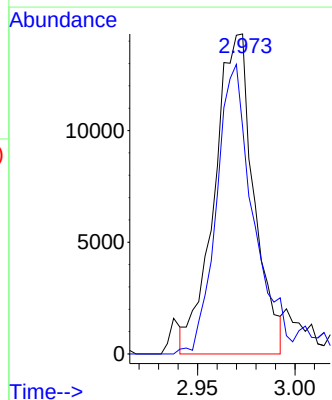
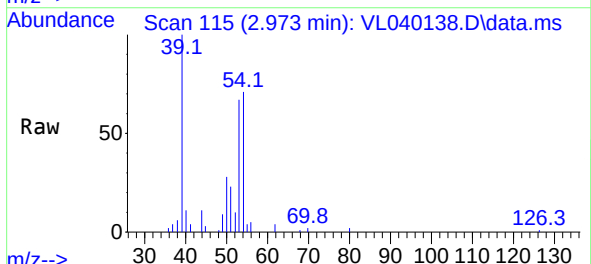
Manual Integrations
APPROVED

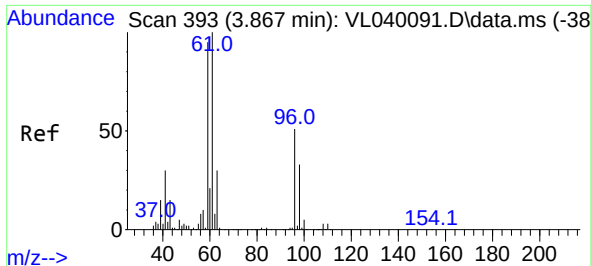
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#16
1,3-Butadiene
Concen: 0.462 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

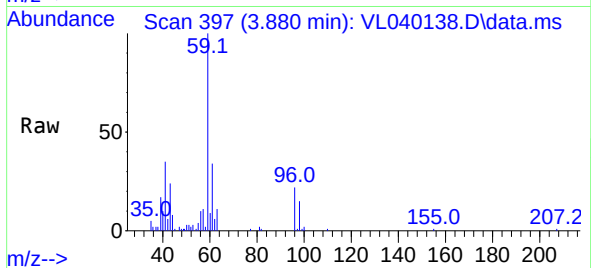
Tgt Ion: 39 Resp: 20206
Ion Ratio Lower Upper
39 100
54 92.5 67.9 101.9





#17
tert-Butyl alcohol
Concen: 0.495 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.019 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

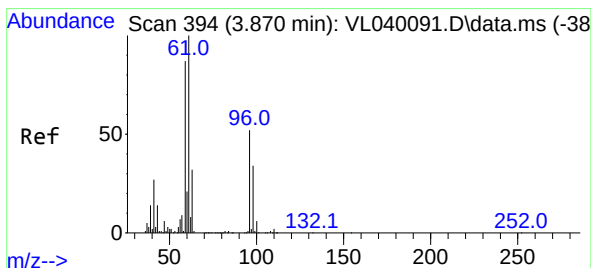
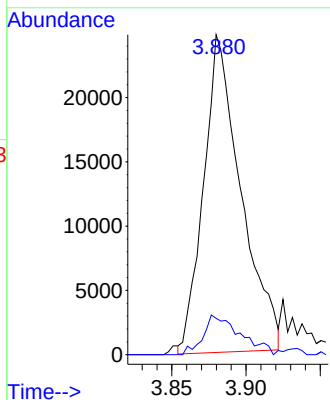
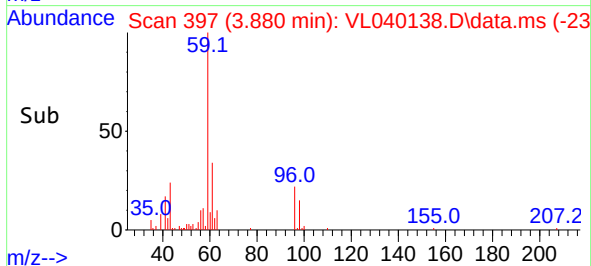
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



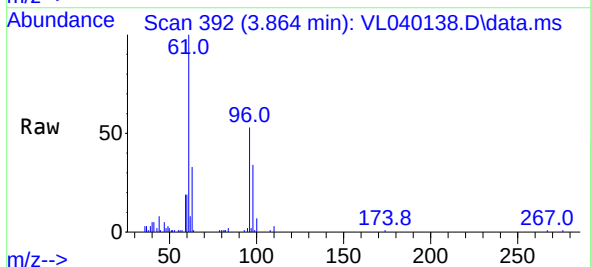
Tgt Ion: 59 Resp: 43269
Ion Ratio Lower Upper
59 100
57 13.2 8.5 12.7

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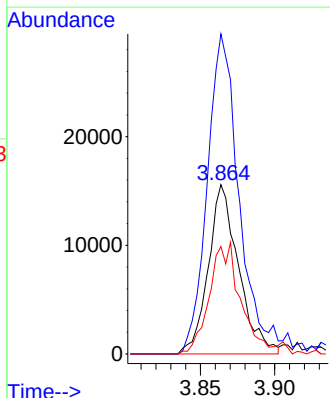
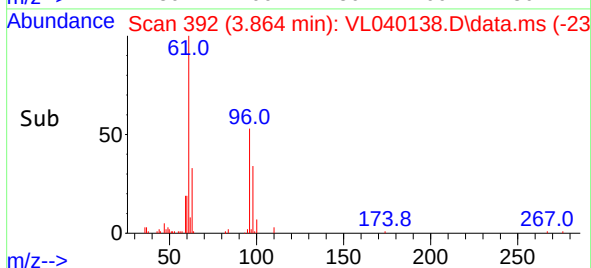
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

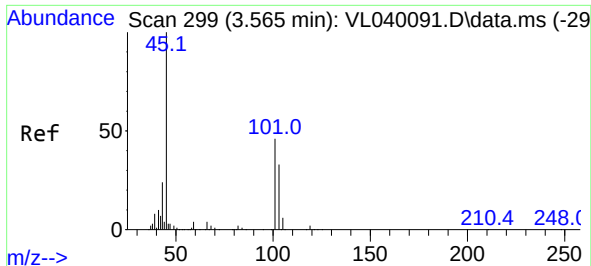


#18
1,1-Dichloroethene
Concen: 0.493 ppbv
RT: 3.864 min Scan# 392
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



Tgt Ion: 96 Resp: 22042
Ion Ratio Lower Upper
96 100
61 189.0 153.0 229.4
98 63.4 52.7 79.1





#19

Isopropyl Alcohol

Concen: 0.513 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.019 min

Lab File: VL040138.D

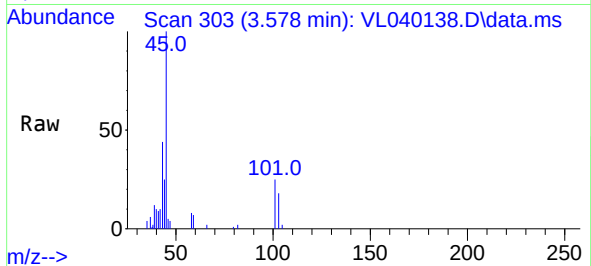
Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022



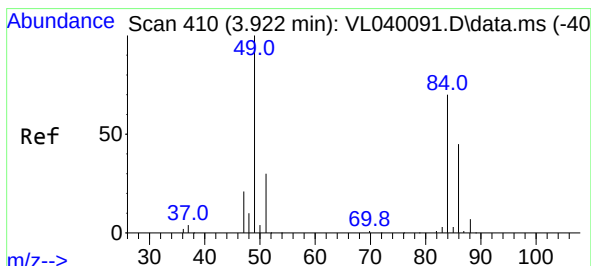
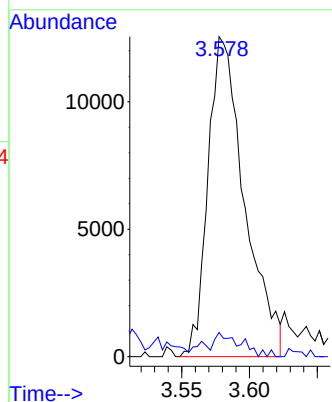
Tgt Ion: 45 Resp: 23539

Ion	Ratio	Lower	Upper
45	100		
58	6.8	2.6	4.0

Manual Integrations

APPROVED

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



#20

Methylene Chloride

Concen: 0.573 ppbv

RT: 3.915 min Scan# 408

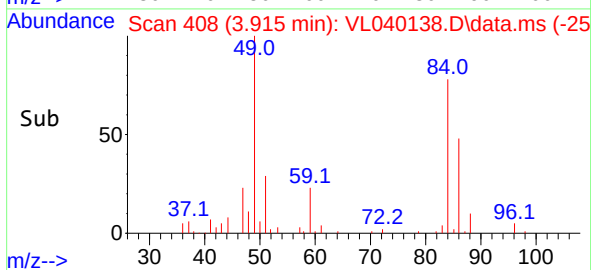
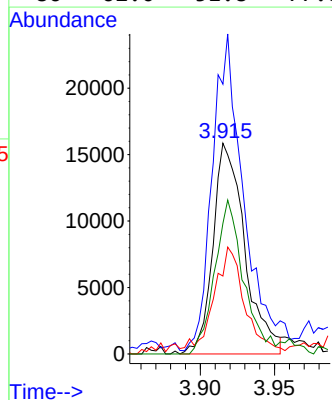
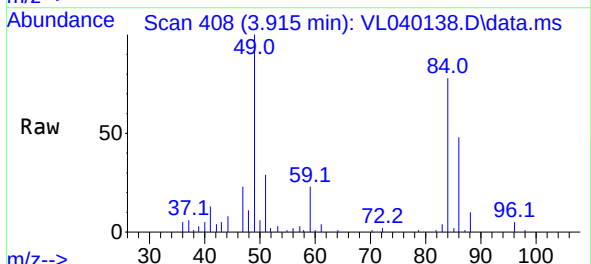
Delta R.T. -0.000 min

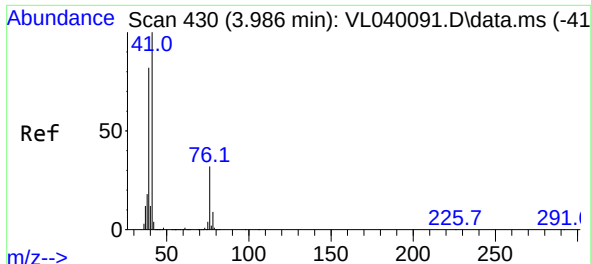
Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Tgt Ion: 84 Resp: 23701

Ion	Ratio	Lower	Upper
84	100		
49	126.3	114.6	171.8
51	34.5	34.3	51.5
86	62.0	51.8	77.8





#21

Allyl Chloride

Concen: 0.482 ppbv

RT: 3.983 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022

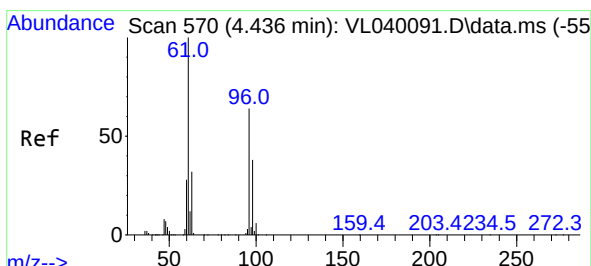
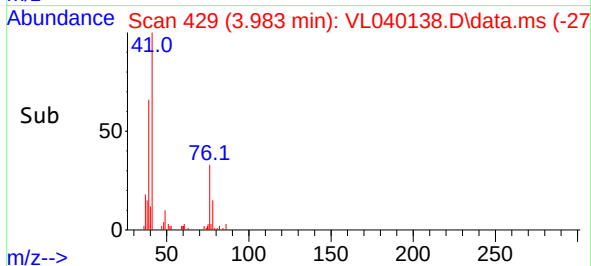
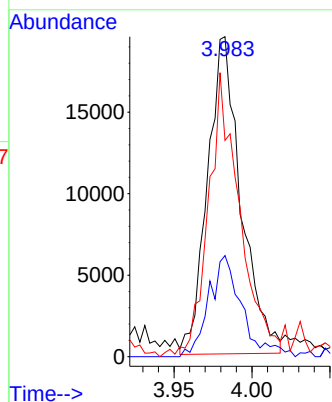
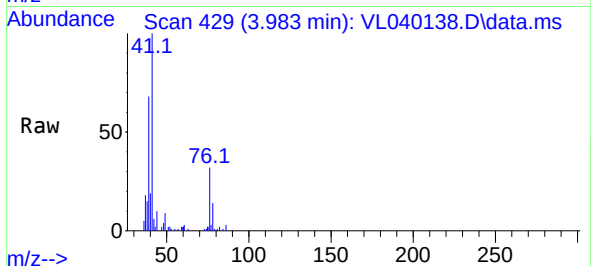
Tgt Ion: 41 Resp: 2904

Ion	Ratio	Lower	Upper
41	100		
76	31.3	25.9	38.9
39	93.2	66.8	100.2

Manual Integrations

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



#22

trans-1,2-Dichloroethene

Concen: 0.485 ppbv

RT: 4.433 min Scan# 569

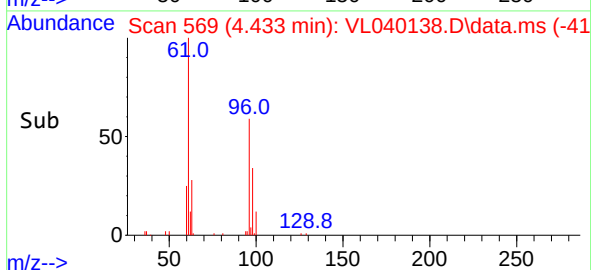
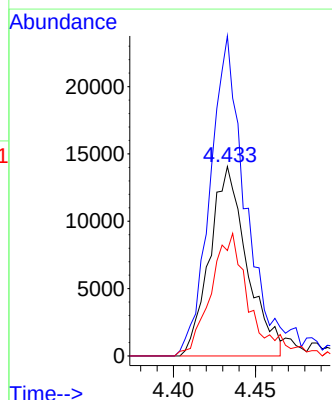
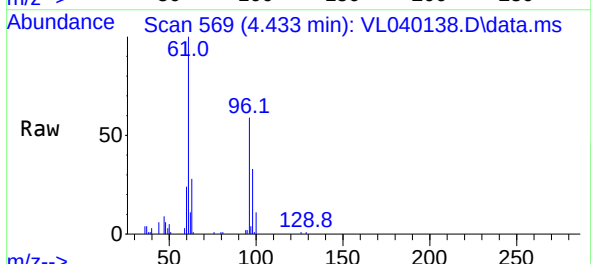
Delta R.T. 0.003 min

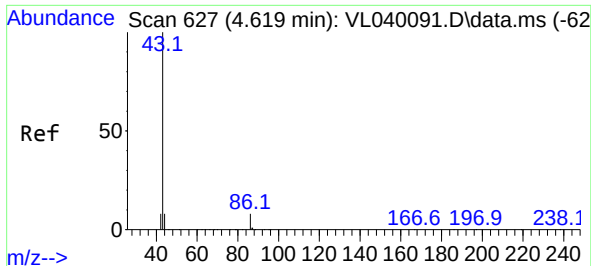
Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Tgt Ion: 96 Resp: 22175

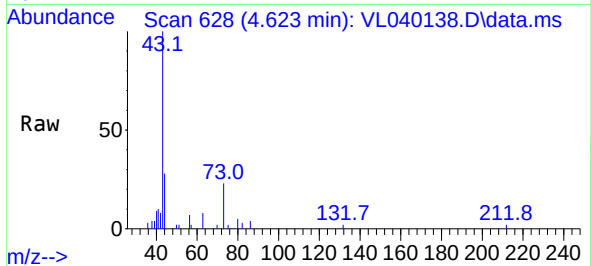
Ion	Ratio	Lower	Upper
96	100		
61	166.2	125.8	188.8
98	53.2	47.4	71.2





#23
 Vinyl Acetate
 Concen: 0.599 ppbv m
 RT: 4.623 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22

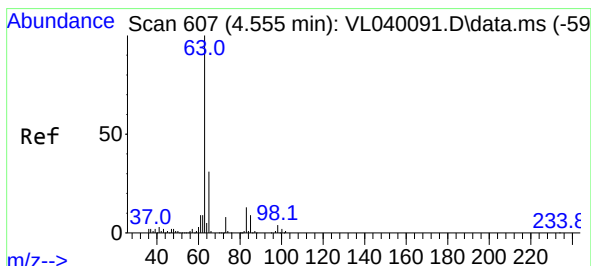
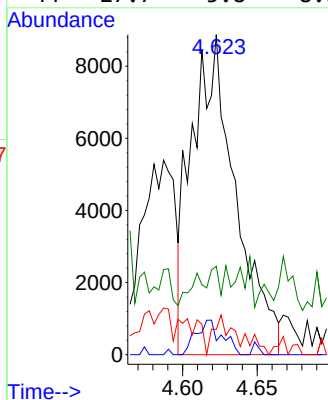
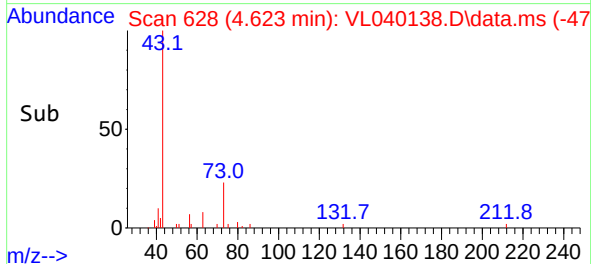
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022



Tgt Ion: 43 Resp: 1822
 Ion Ratio Lower Upper
 43 100
 86 4.4 5.6 8.4
 42 7.9 7.7 11.5
 44 27.7 5.8 8.8#

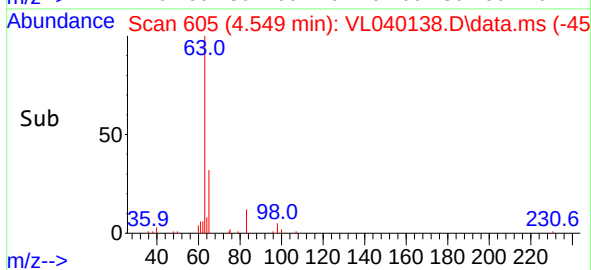
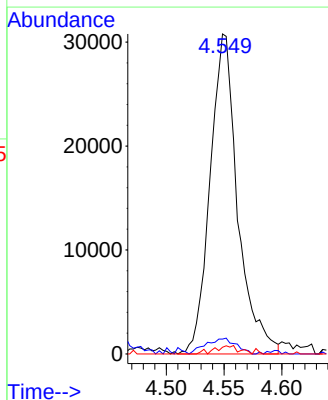
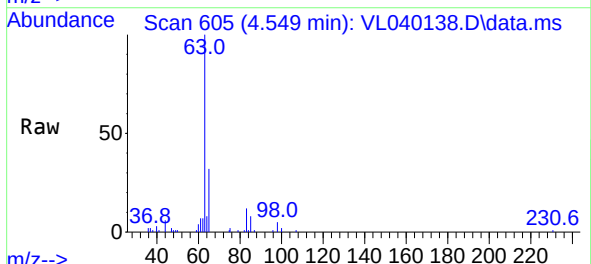
Manual Integrations
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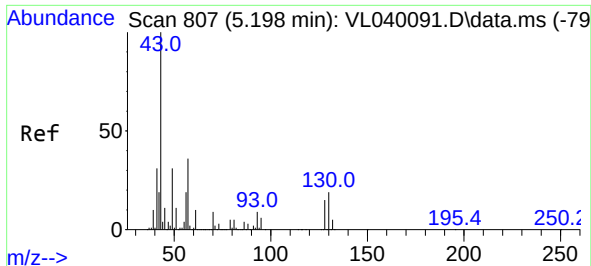
Reviewed By :Semsettin Yesilyurt 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023



#24
 1,1-Dichloroethane
 Concen: 0.556 ppbv
 RT: 4.549 min Scan# 605
 Delta R.T. -0.000 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22

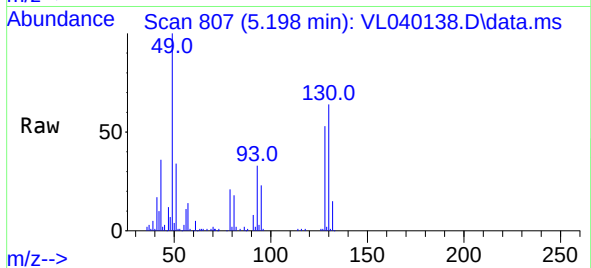
Tgt Ion: 63 Resp: 51251
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.0 5.8
 100 2.1 1.1 3.5





#25
Ethyl Acetate
Concen: 0.512 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.010 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022

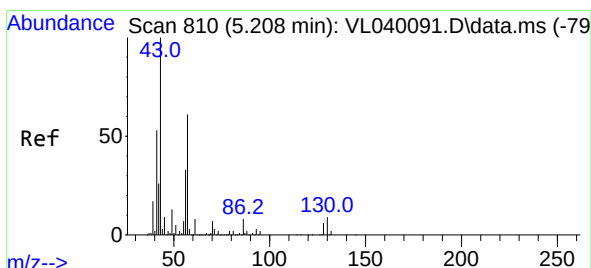
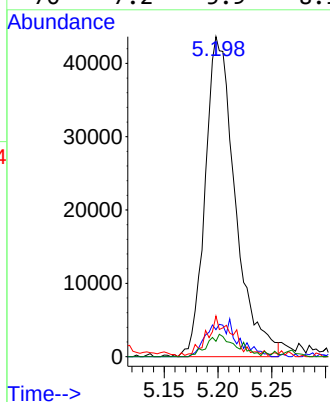
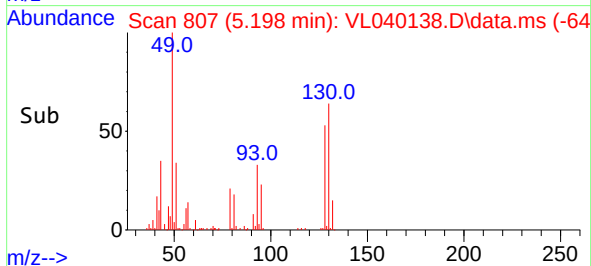


Tgt Ion: 43 Resp: 8462

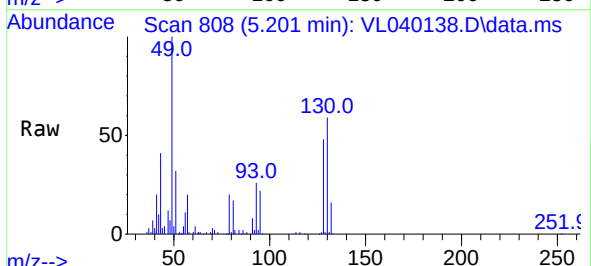
Ion	Ratio	Lower	Upper
43	100		
45	11.5	8.5	12.7
61	11.0	8.4	12.6
70	7.2	5.9	8.9

Manual Integrations
APPROVED

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

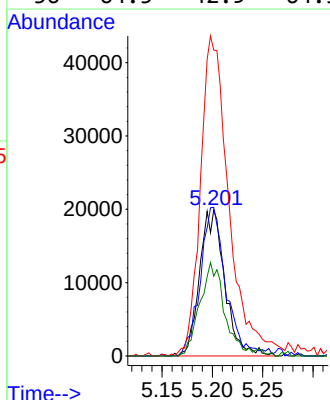
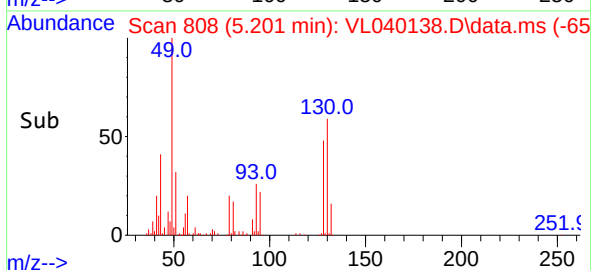


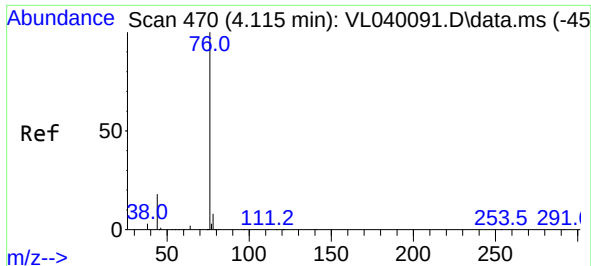
#26
Hexane
Concen: 0.480 ppbv m
RT: 5.201 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



Tgt Ion: 57 Resp: 34728

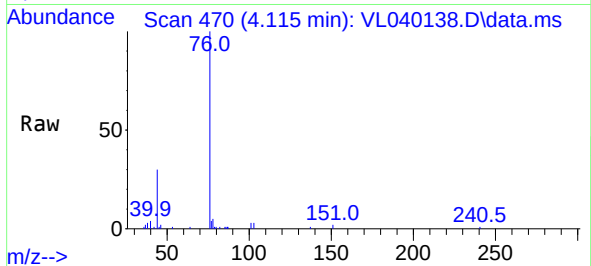
Ion	Ratio	Lower	Upper
57	100		
41	106.1	72.2	108.4
43	253.1	192.1	288.1
56	64.5	42.9	64.3





#27
Carbon Disulfide
Concen: 0.400 ppbv m
RT: 4.115 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

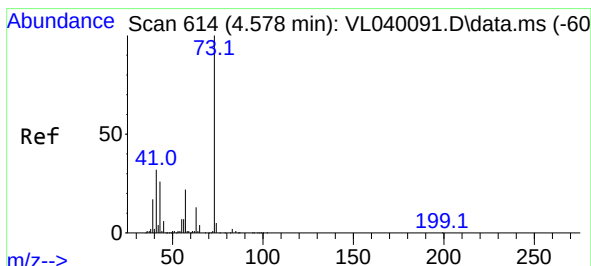
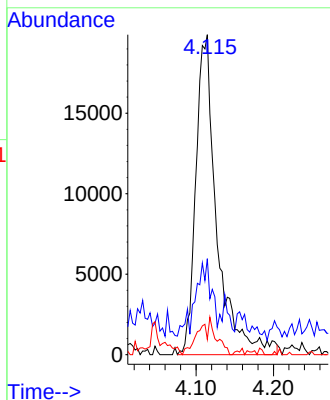
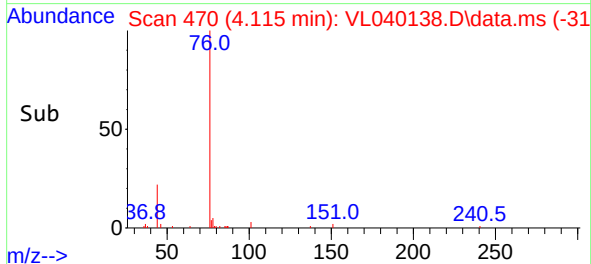
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion: 76 Resp: 3751
Ion Ratio Lower Upper
76 100
44 19.4 14.9 22.3
78 9.7 8.2 12.2

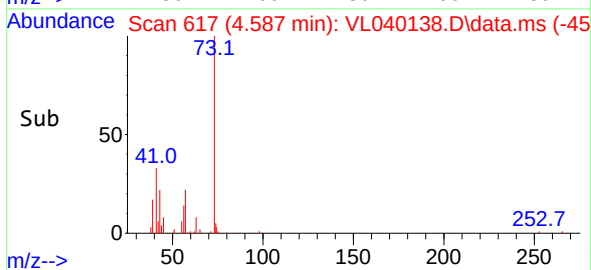
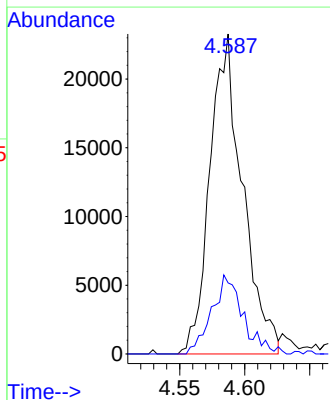
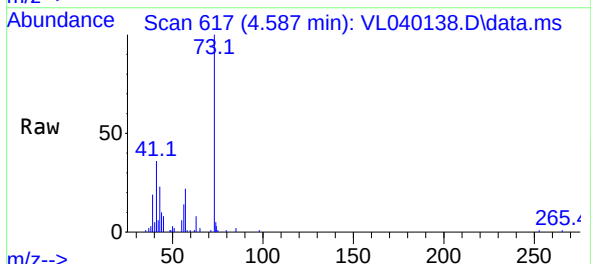
Manual Integrations
APPROVED

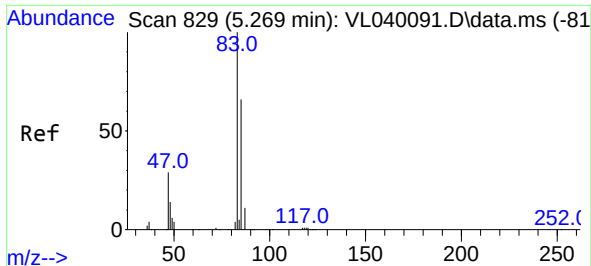
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#28
Methyl tert-Butyl Ether
Concen: 0.499 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.019 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Tgt Ion: 73 Resp: 40579
Ion Ratio Lower Upper
73 100
57 23.8 18.3 27.5





#29

Chloroform

Concen: 0.601 ppbv

RT: 5.256 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040138.D

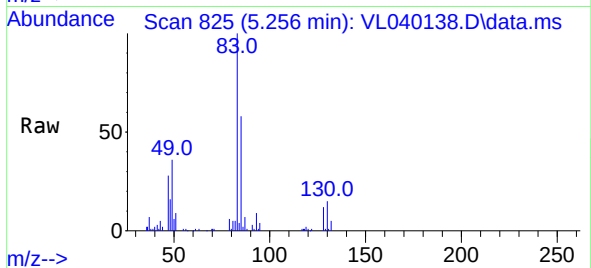
Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022



Tgt Ion: 83 Resp: 69530

Ion Ratio Lower Upper

83 100

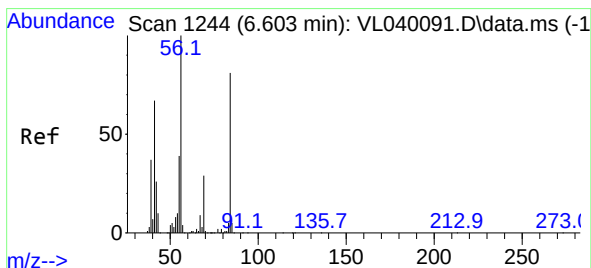
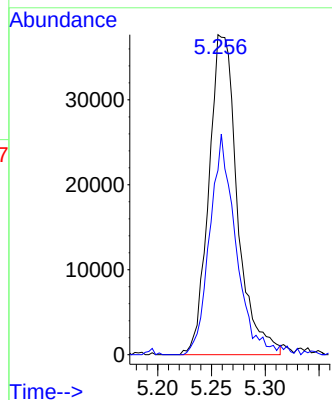
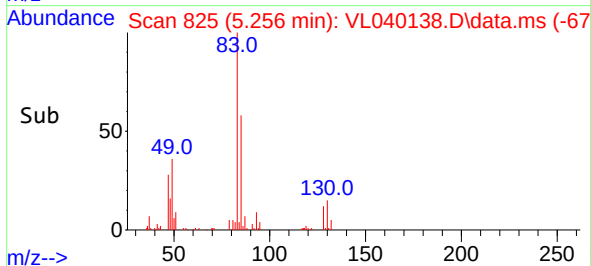
85 57.6 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023



#30

Cyclohexane

Concen: 0.448 ppbv m

RT: 6.590 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

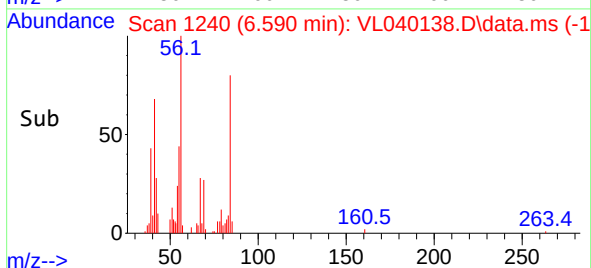
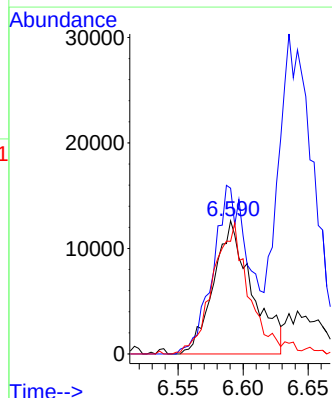
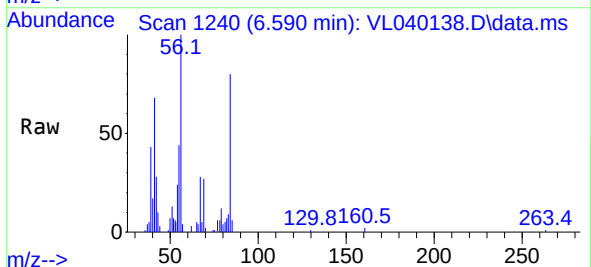
Tgt Ion: 84 Resp: 25760

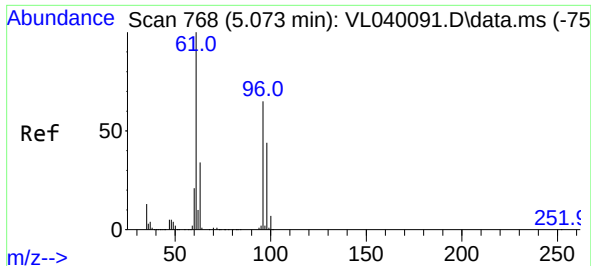
Ion Ratio Lower Upper

84 100

56 110.0 111.5 167.3#

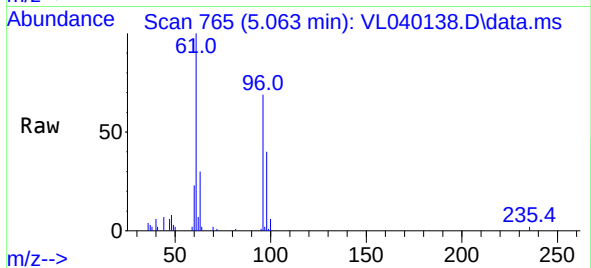
41 96.4 71.4 107.0





#31
 cis-1,2-Dichloroethene
 Concen: 0.525 ppbv
 RT: 5.063 min Scan# 765
 Delta R.T. -0.000 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22

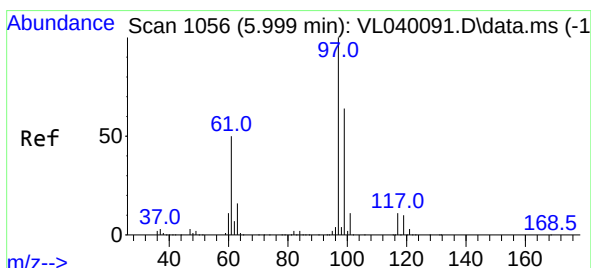
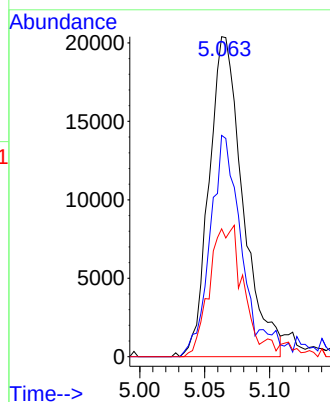
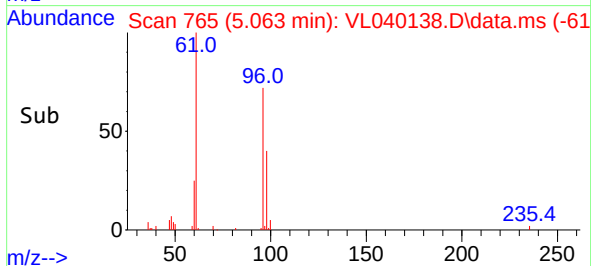
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022



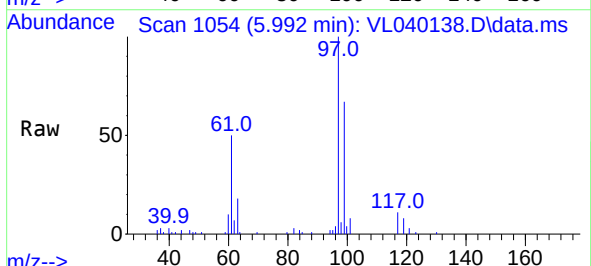
Tgt Ion: 61 Resp: 3678
 Ion Ratio Lower Upper
 61 100
 96 69.2 52.0 78.0
 98 39.9 35.3 52.9

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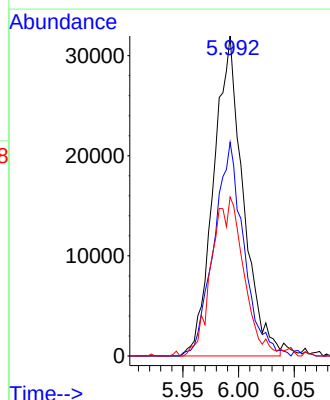
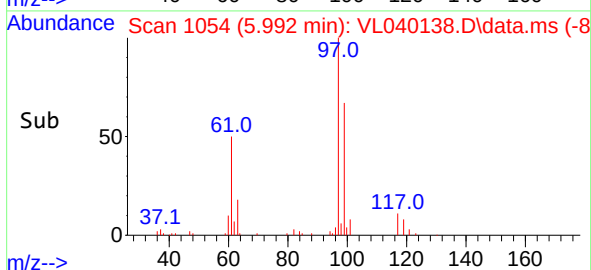
Reviewed By :Semsettin Yesilyurt 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023

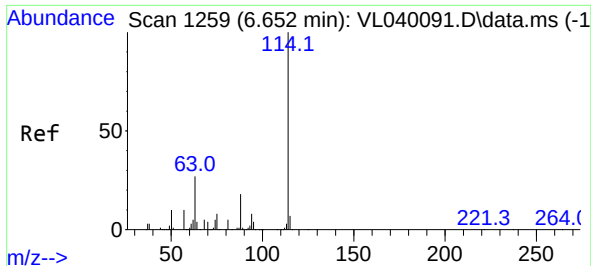


#32
 1,1,1-Trichloroethane
 Concen: 0.502 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. 0.003 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22



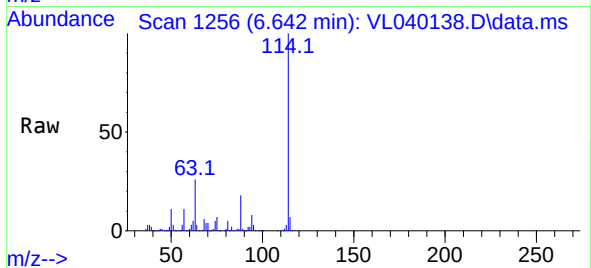
Tgt Ion: 97 Resp: 59005
 Ion Ratio Lower Upper
 97 100
 99 68.4 51.8 77.6
 61 55.3 40.4 60.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

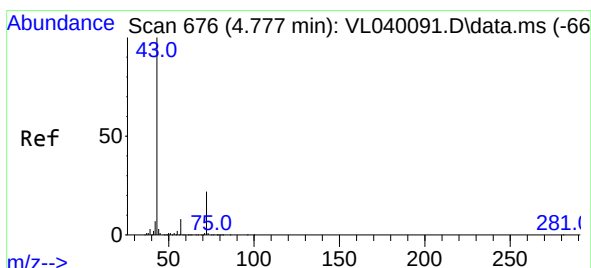
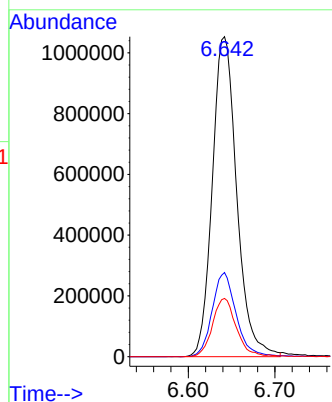
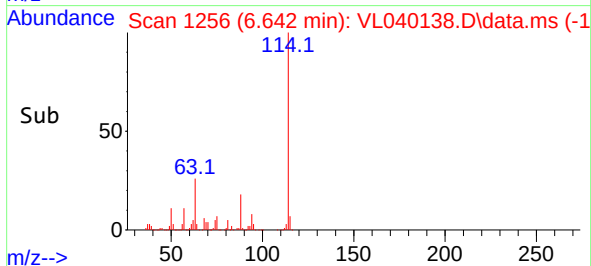
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion:114 Resp: 206731
Ion Ratio Lower Upper
114 100
63 26.2 21.8 32.8
88 18.0 14.8 22.2

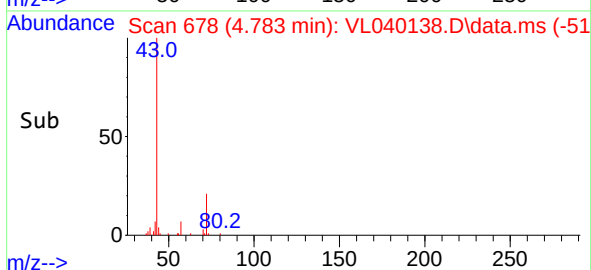
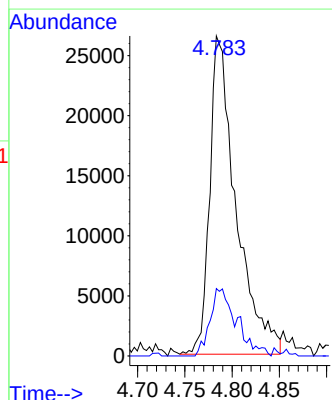
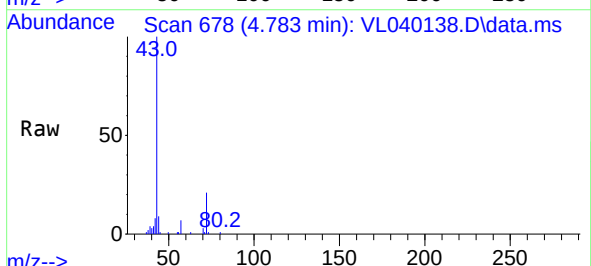
Manual Integrations
APPROVED

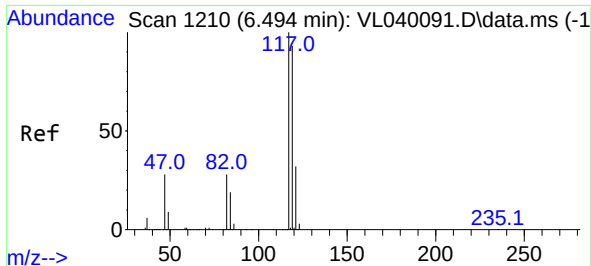
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#34
2-Butanone
Concen: 0.524 ppbv
RT: 4.783 min Scan# 678
Delta R.T. 0.013 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

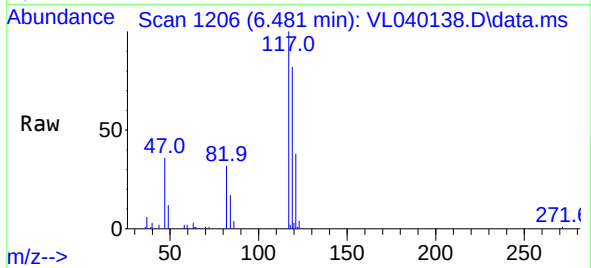
Tgt Ion: 43 Resp: 51278
Ion Ratio Lower Upper
43 100
72 21.5 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.516 ppbv m
RT: 6.481 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

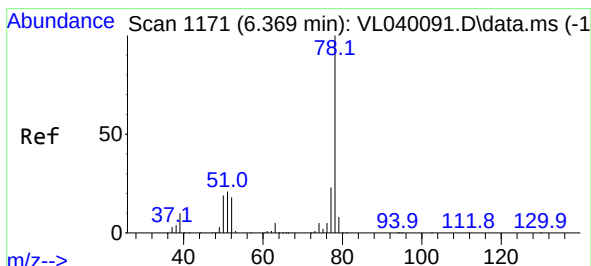
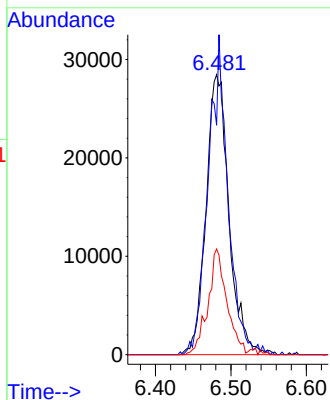
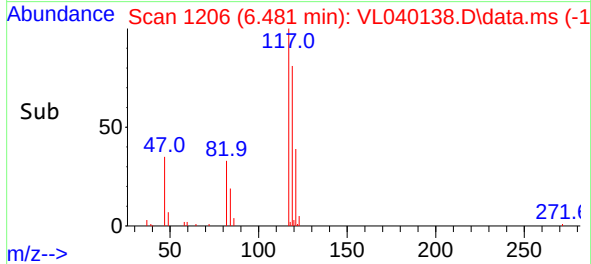
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion: 117 Resp: 60320
Ion Ratio Lower Upper
117 100
119 82.0 74.5 111.7
121 37.8 25.4 38.0

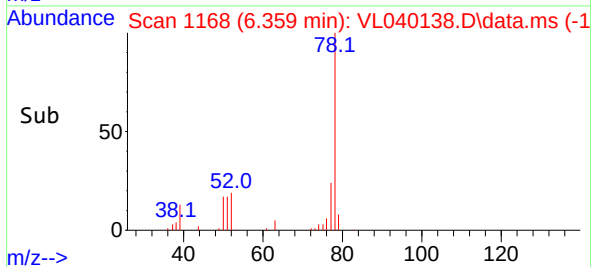
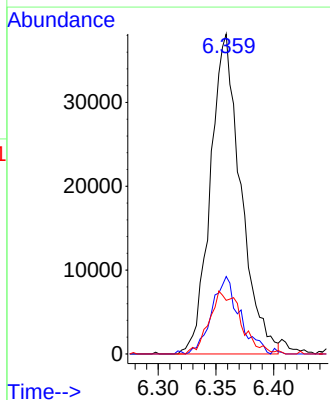
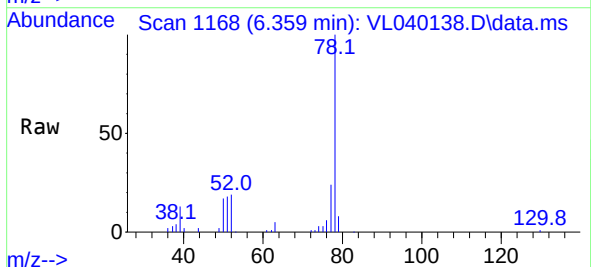
Manual Integrations
APPROVED

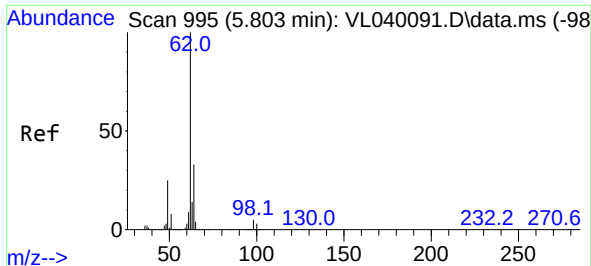
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#36
Benzene
Concen: 0.456 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

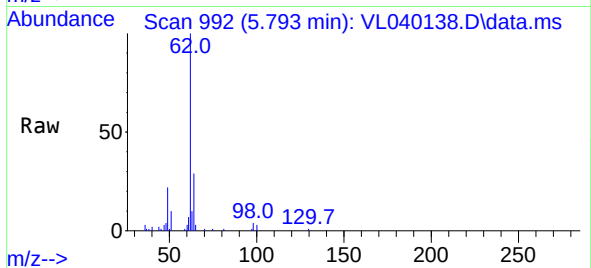
Tgt Ion: 78 Resp: 69775
Ion Ratio Lower Upper
78 100
77 23.5 18.1 27.1
50 16.7 15.6 23.4





#37
1,2-Dichloroethane
Concen: 0.500 ppbv
RT: 5.793 min Scan# 995
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

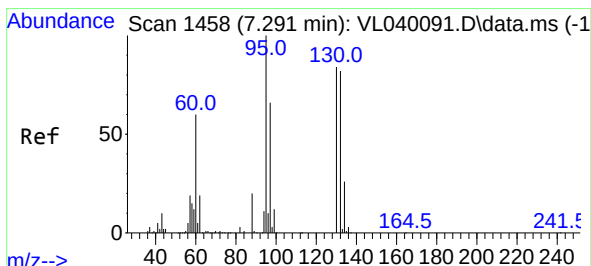
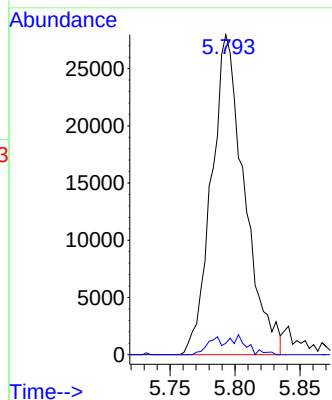
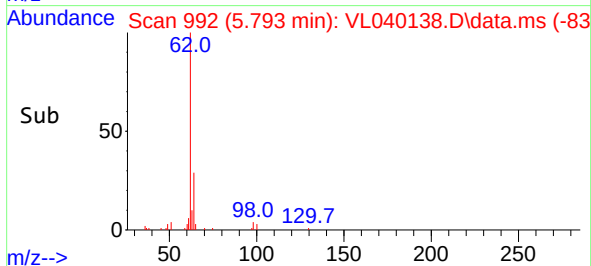
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



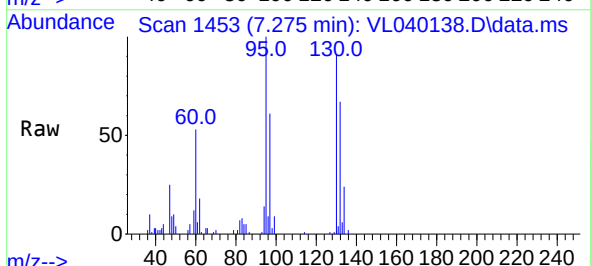
Tgt Ion: 62 Resp: 49180
Ion Ratio Lower Upper
62 100
98 5.8 4.4 6.6

Manual Integrations
APPROVED

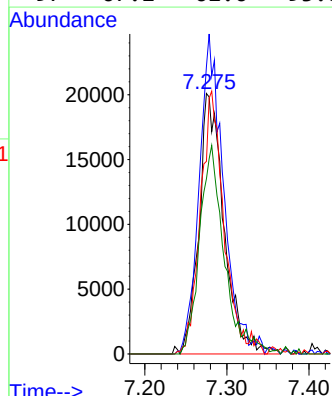
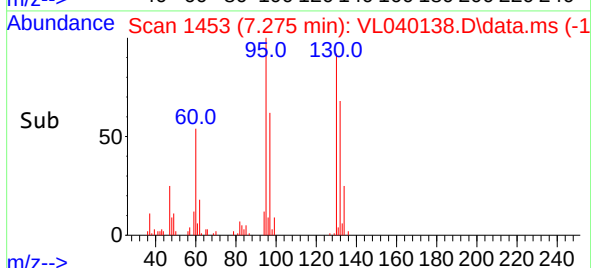
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

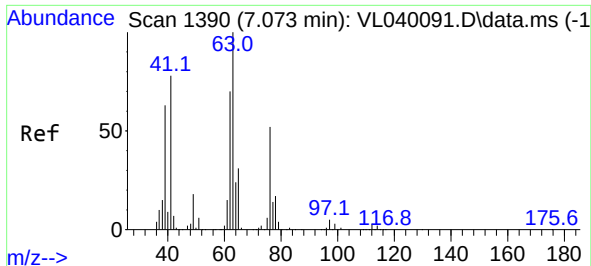


#38
Trichloroethene
Concen: 0.489 ppbv m
RT: 7.275 min Scan# 1453
Delta R.T. -0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



Tgt Ion:130 Resp: 42446
Ion Ratio Lower Upper
130 100
95 110.4 95.0 142.6
132 74.0 77.9 116.9#
97 67.2 62.6 93.8





#39

1,2-Dichloropropane

Concen: 0.516 ppbv

RT: 7.060 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022

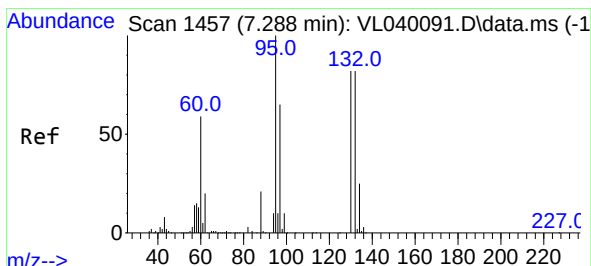
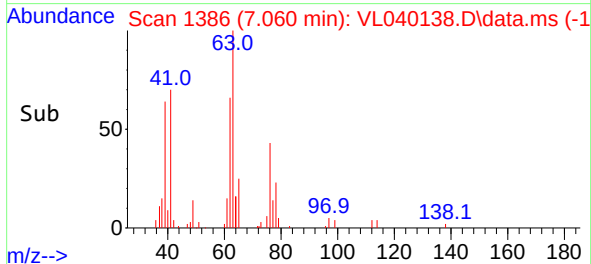
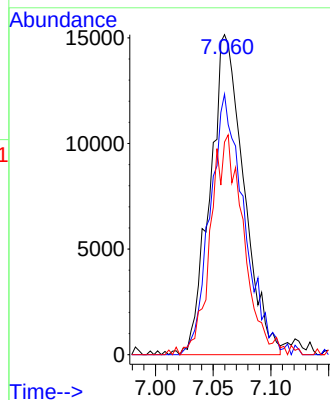
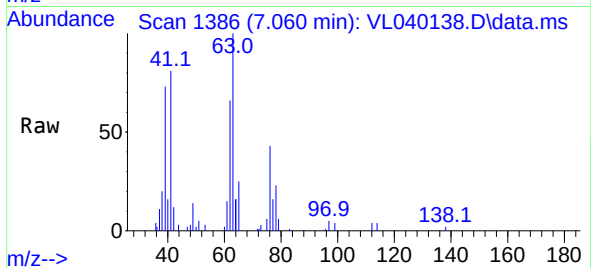
Tgt Ion: 63 Resp: 3087

Ion	Ratio	Lower	Upper
63	100		
41	81.4	62.2	93.4
62	66.4	55.8	83.8

Manual Integrations

APPROVED

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



#40

1,4-Dioxane

Concen: 0.503 ppbv m

RT: 7.323 min Scan# 1468

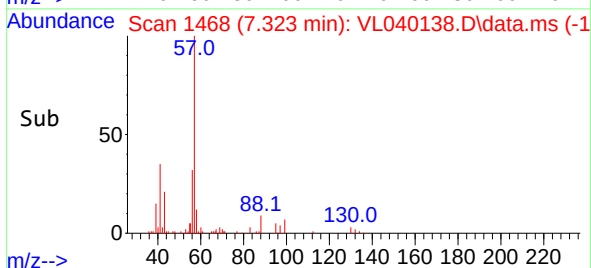
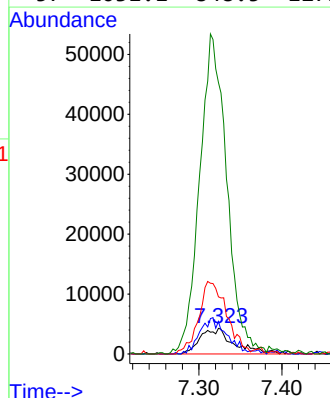
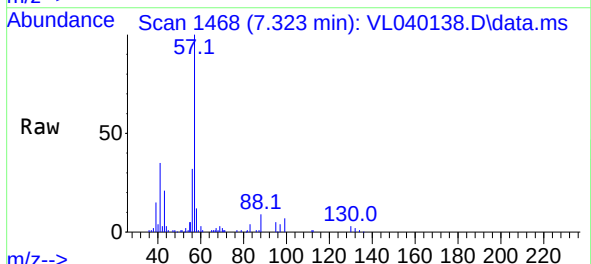
Delta R.T. 0.048 min

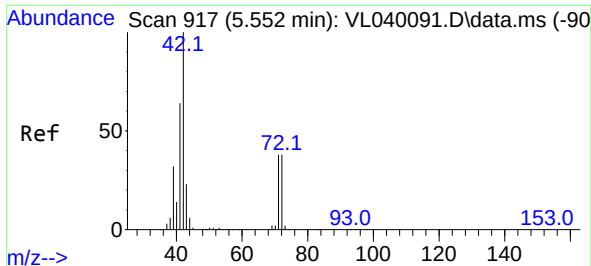
Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Tgt Ion: 88 Resp: 11937

Ion	Ratio	Lower	Upper
88	100		
58	122.4	97.5	146.3
43	246.8	195.0	292.4
57	1031.1	848.5	1272.7





#41

Tetrahydrofuran

Concen: 0.449 ppbv m

RT: 5.571 min Scan# 91

Delta R.T. 0.029 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

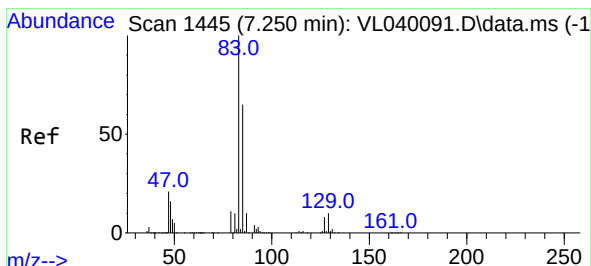
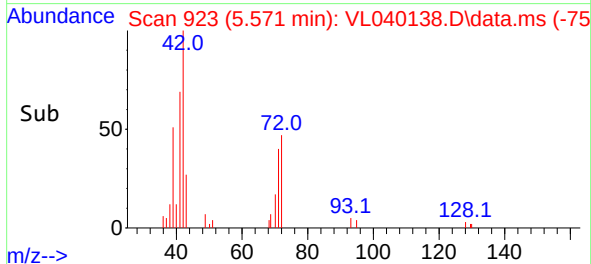
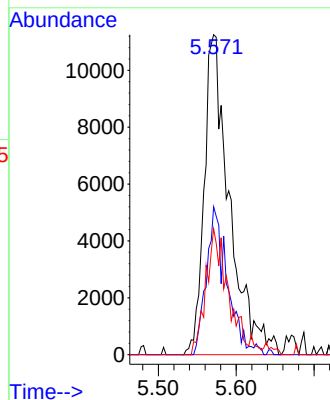
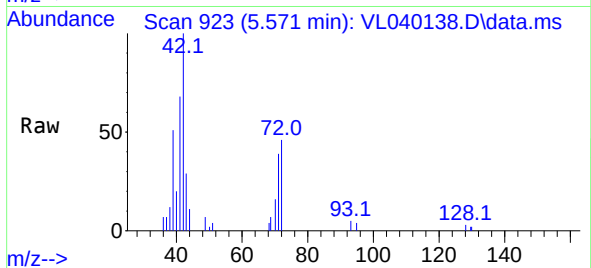
LOQ-AIR-02-QT4-2022

Tgt Ion: 42	Resp: 2535
Ion Ratio	Lower Upper
42	100
72	38.6 31.9 47.9
71	36.6 31.4 47.2

Manual Integrations

APPROVED

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



#42

Bromodichloromethane

Concen: 0.457 ppbv

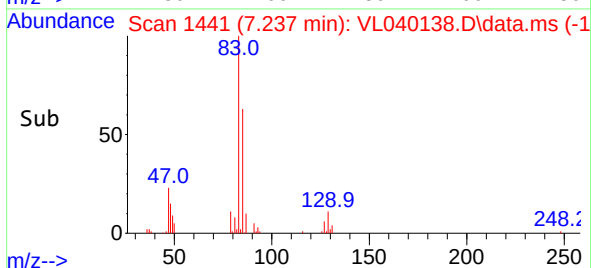
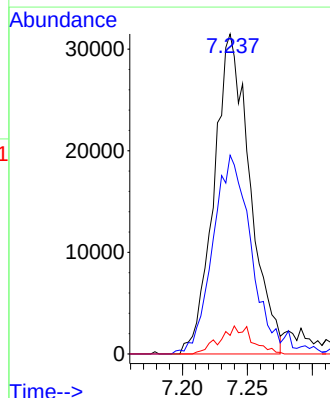
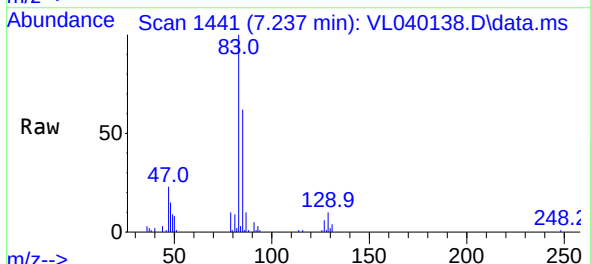
RT: 7.237 min Scan# 1441

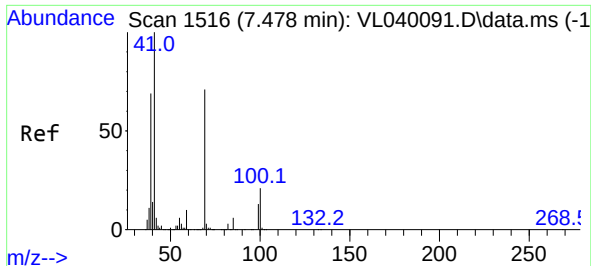
Delta R.T. -0.000 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

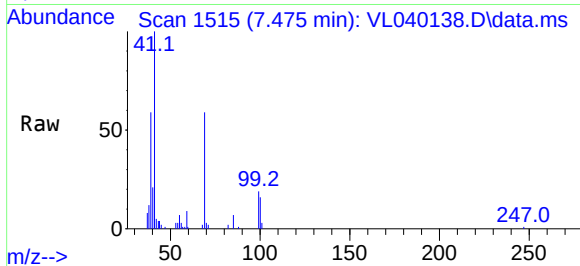
Tgt Ion: 83	Resp: 60704
Ion Ratio	Lower Upper
83	100
85	60.9 51.7 77.5
127	5.8 6.2 9.2#





#43
Methyl Methacrylate
Concen: 0.403 ppbv m
RT: 7.475 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

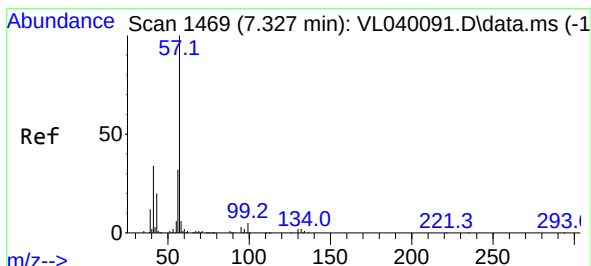
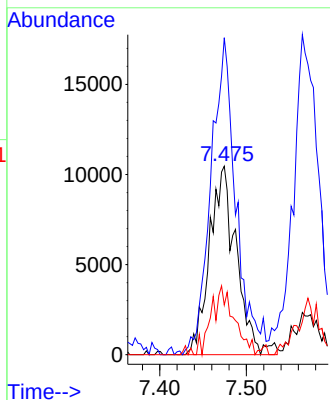
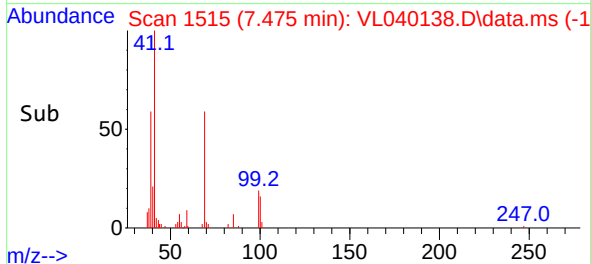
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



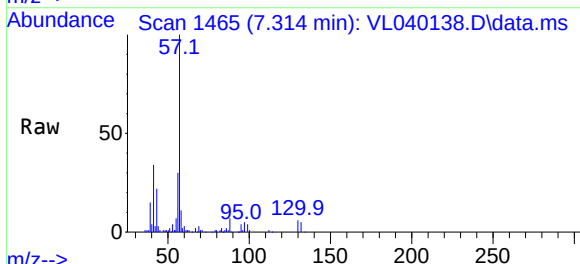
Tgt Ion: 69 Resp: 2260
Ion Ratio Lower Upper
69 100
41 157.1 118.2 177.2
100 31.9 24.2 36.4

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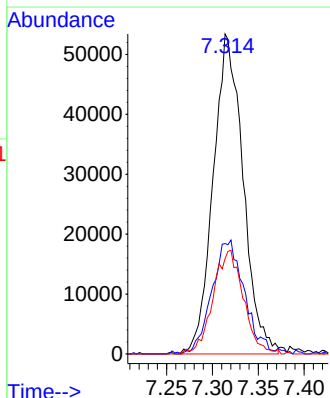
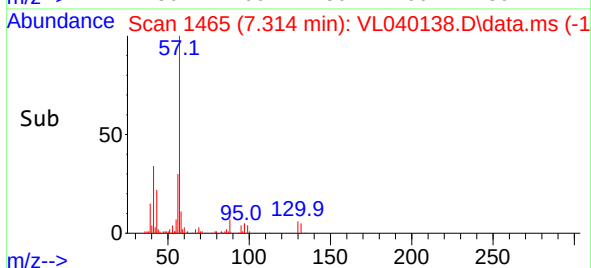
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

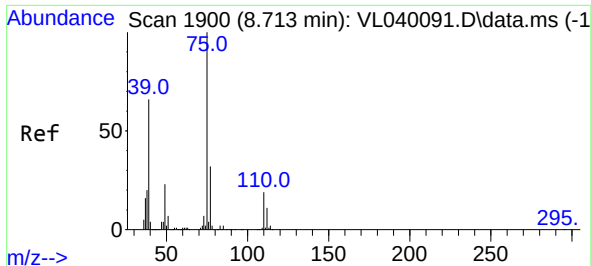


#44
2,2,4-Trimethylpentane
Concen: 0.475 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



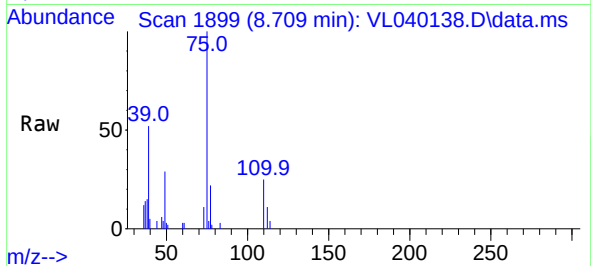
Tgt Ion: 57 Resp: 120927
Ion Ratio Lower Upper
57 100
41 39.4 27.1 40.7
56 33.1 25.0 37.4





#45
t-1,3-Dichloropropene
Concen: 0.368 ppbv m
RT: 8.709 min Scan# 1899
Delta R.T. 0.010 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

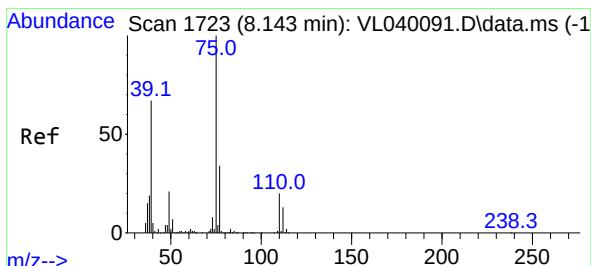
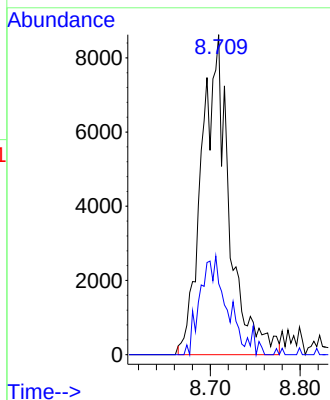
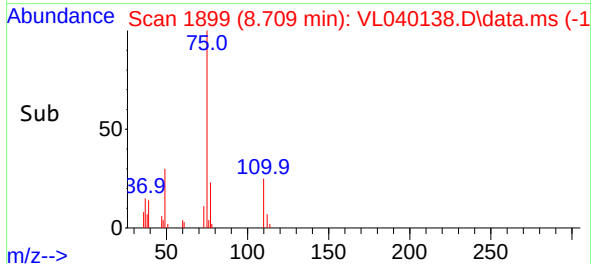
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



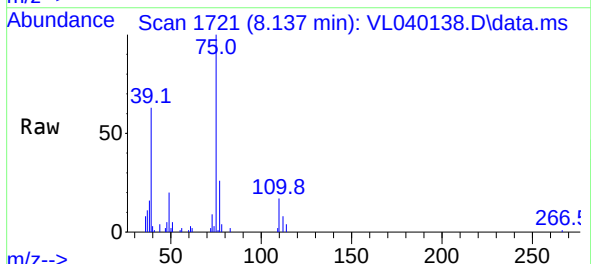
Tgt Ion: 75 Resp: 1840
Ion Ratio Lower Upper
75 100
77 22.2 25.6 38.4

Manual Integrations
APPROVED

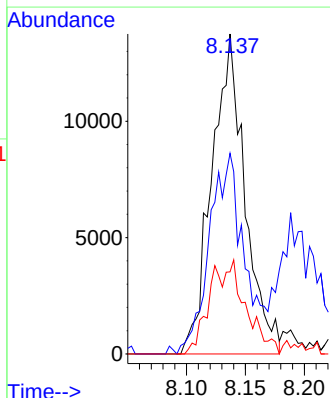
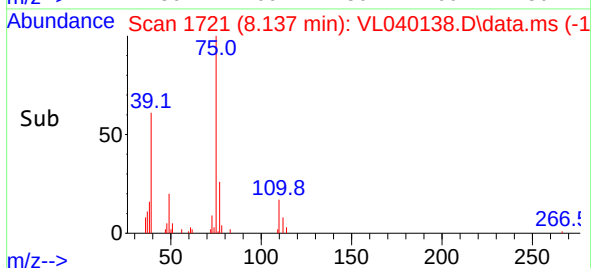
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

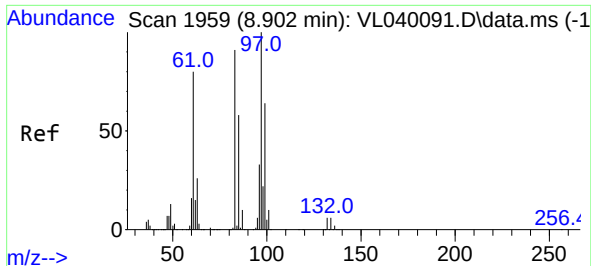


#46
cis-1,3-Dichloropropene
Concen: 0.392 ppbv m
RT: 8.137 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



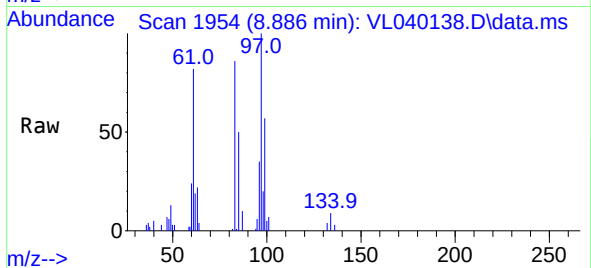
Tgt Ion: 75 Resp: 26814
Ion Ratio Lower Upper
75 100
39 62.7 53.6 80.4
77 25.6 26.9 40.3





#47
1,1,2-Trichloroethane
Concen: 0.499 ppbv
RT: 8.886 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022

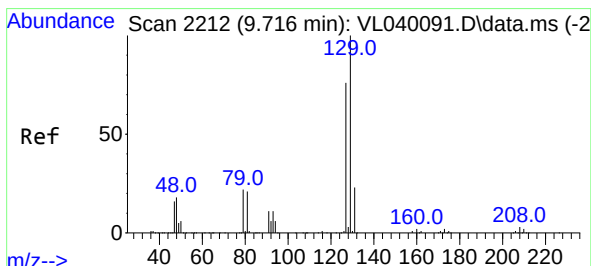
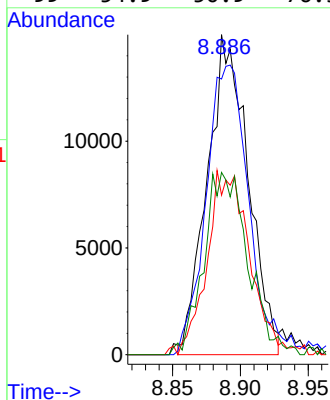
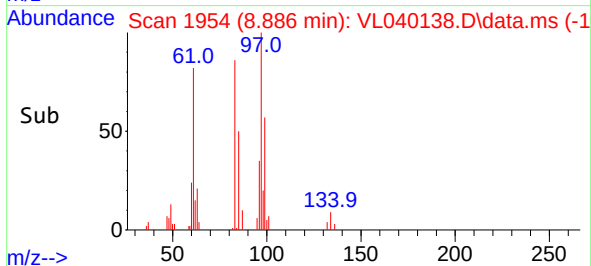


Tgt Ion: 97 Resp: 31439

Ion	Ratio	Lower	Upper
97	100		
83	87.6	72.9	109.3
85	51.4	46.0	69.0
99	54.9	50.9	76.3

Manual Integrations
APPROVED

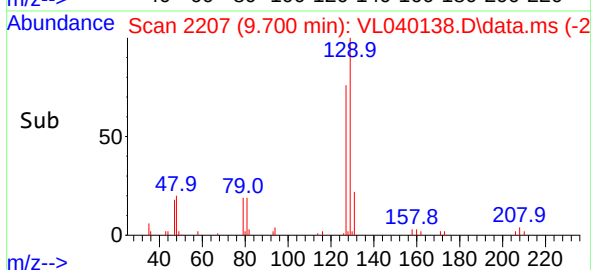
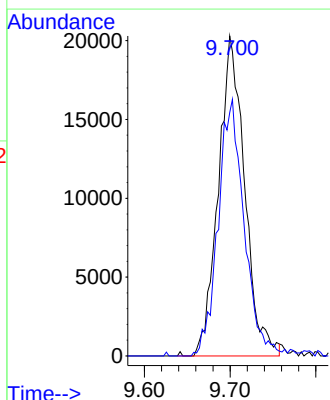
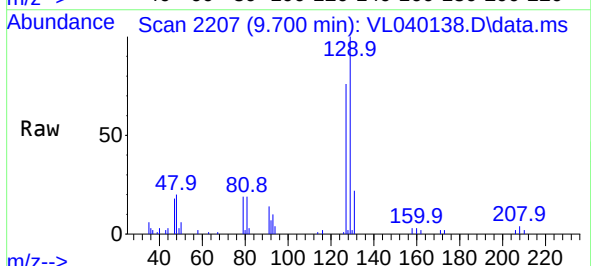
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

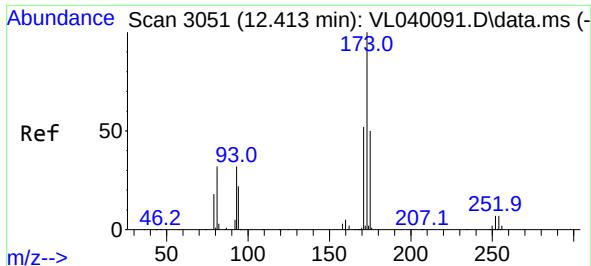


#48
Dibromochloromethane
Concen: 0.428 ppbv m
RT: 9.700 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Tgt Ion:129 Resp: 43354

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.3	117.9





#49

Bromoform

Concen: 0.421 ppbv

RT: 12.400 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

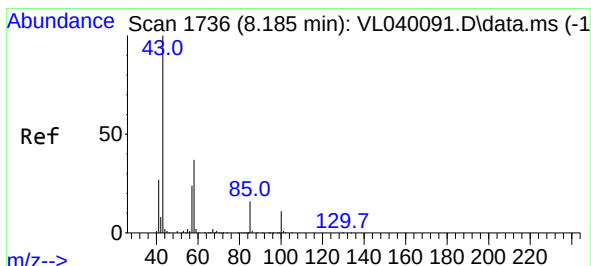
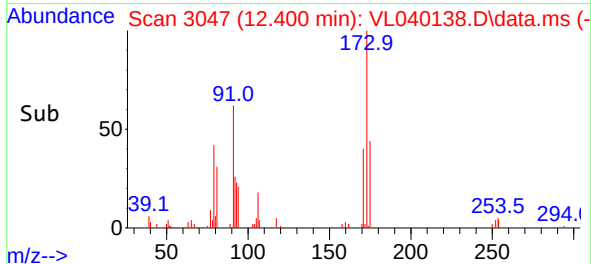
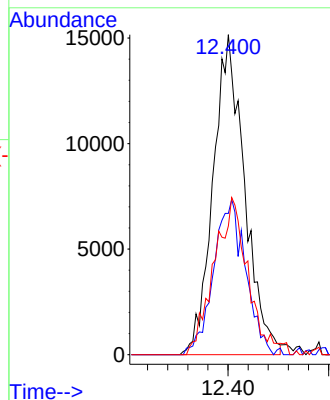
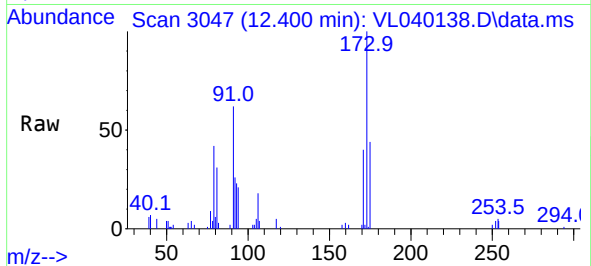
LOQ-AIR-02-QT4-2022

Tgt Ion:173 Resp: 32879
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.7 59.5
 171 53.0 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: 0.440 ppbv m

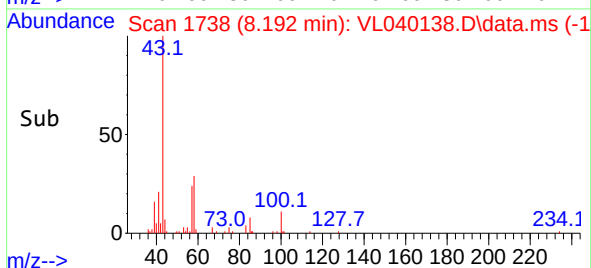
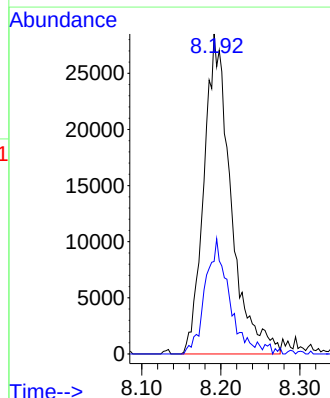
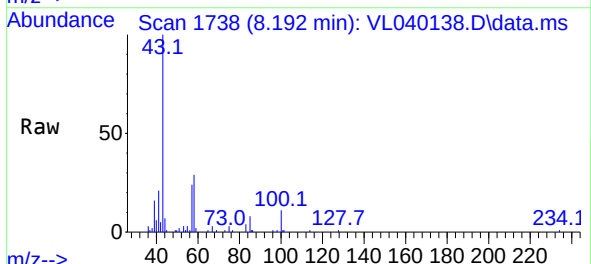
RT: 8.192 min Scan# 1738

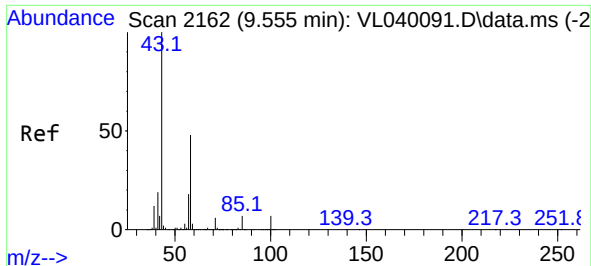
Delta R.T. 0.022 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

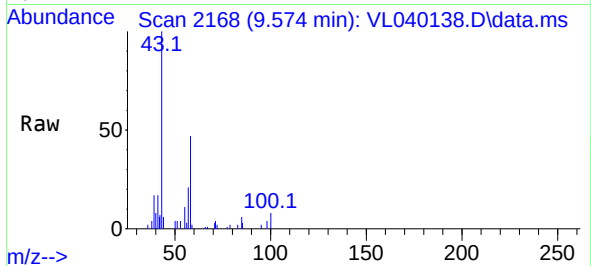
Tgt Ion: 43 Resp: 67655
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.8 43.2#





#51
2-Hexanone
Concen: 0.408 ppbv m
RT: 9.574 min Scan# 2162
Delta R.T. 0.032 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

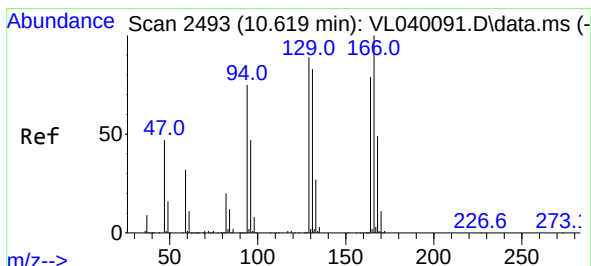
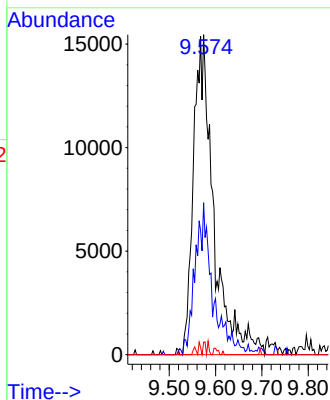
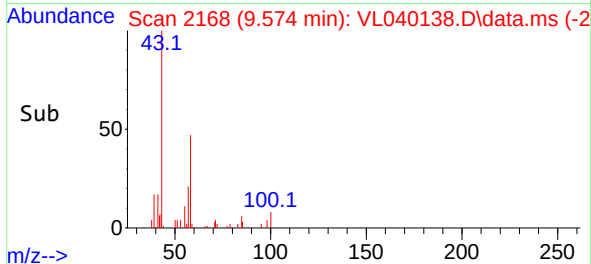
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion: 43 Resp: 47578
Ion Ratio Lower Upper
43 100
58 0.0 37.5 56.3
98 0.7 0.4 0.6

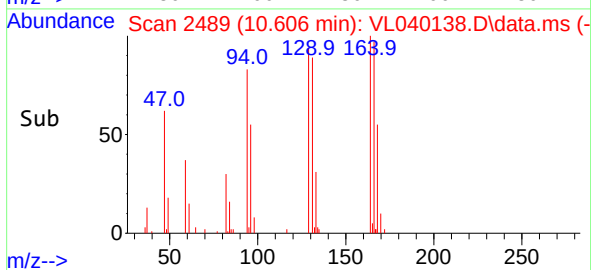
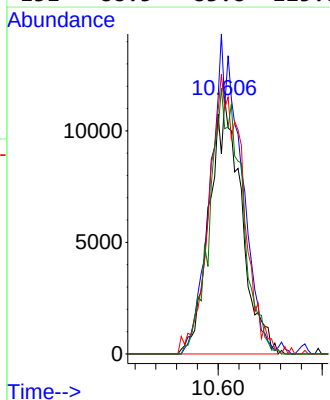
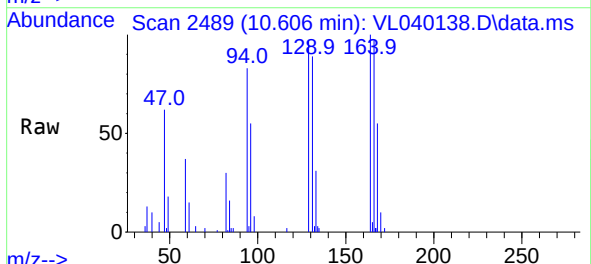
Manual Integrations
APPROVED

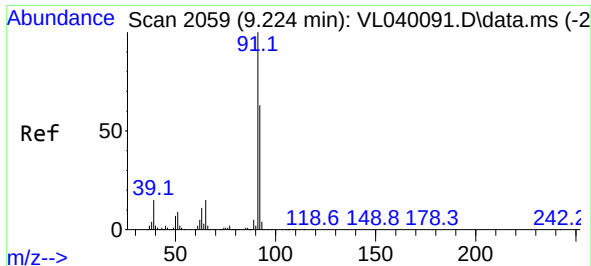
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#52
Tetrachloroethene
Concen: 0.493 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

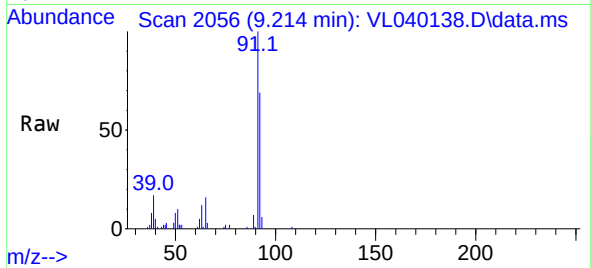
Tgt Ion:164 Resp: 24682
Ion Ratio Lower Upper
164 100
166 97.4 101.2 151.8
129 96.7 90.2 135.2
131 88.5 83.8 125.8





#53
Toluene
Concen: 0.394 ppbv m
RT: 9.214 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

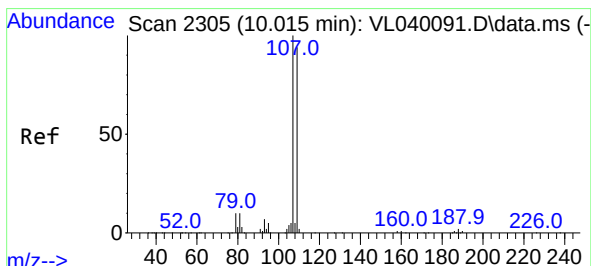
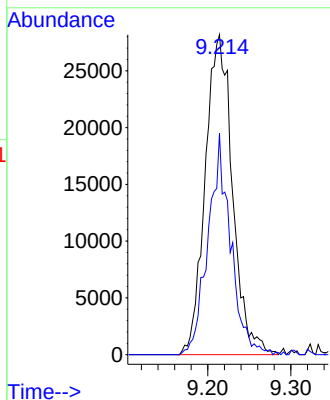
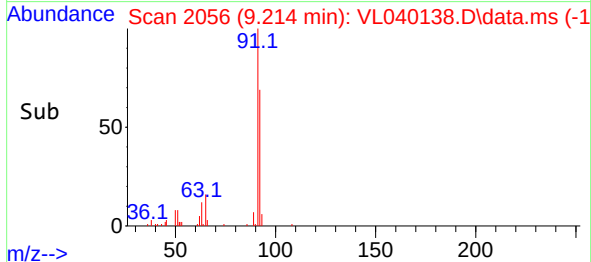
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



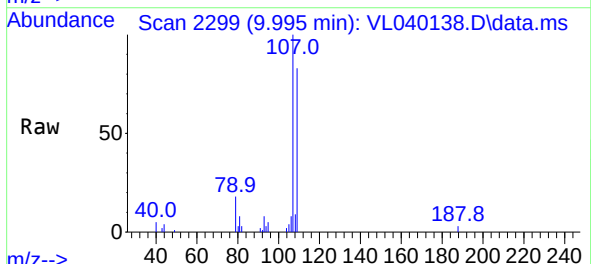
Tgt Ion: 91 Resp: 6434
Ion Ratio Lower Upper
91 100
92 56.8 48.3 72.5

Manual Integrations
APPROVED

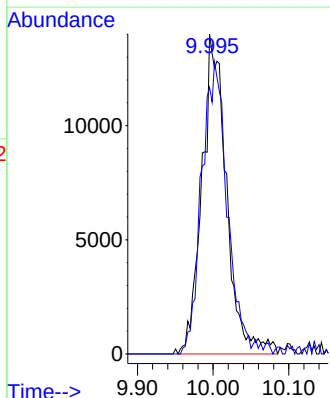
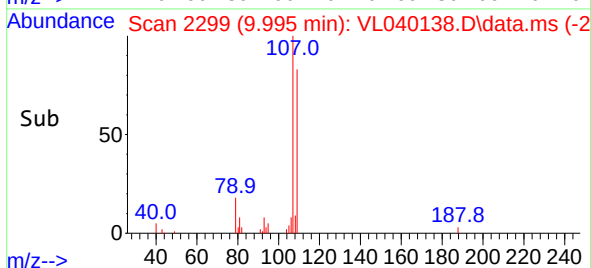
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

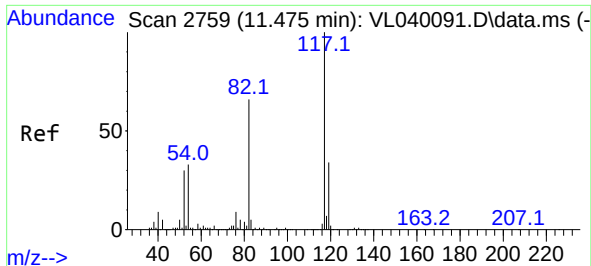


#54
1,2-Dibromoethane
Concen: 0.477 ppbv m
RT: 9.995 min Scan# 2299
Delta R.T. -0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



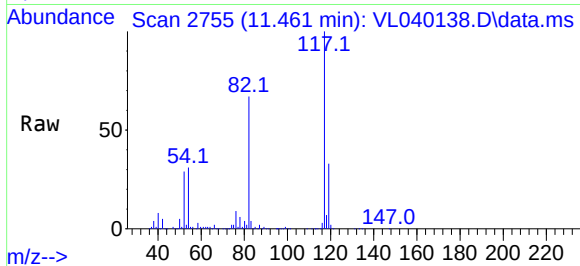
Tgt Ion:107 Resp: 31471
Ion Ratio Lower Upper
107 100
109 83.3 75.0 112.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.461 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

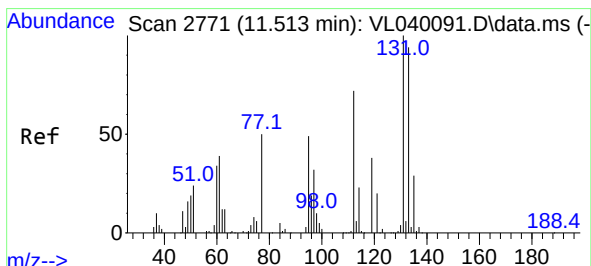
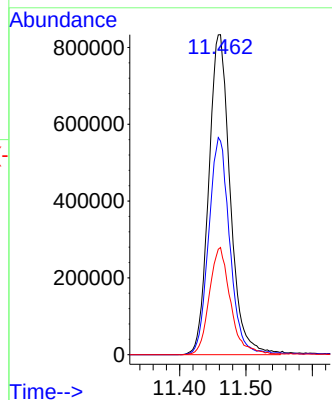
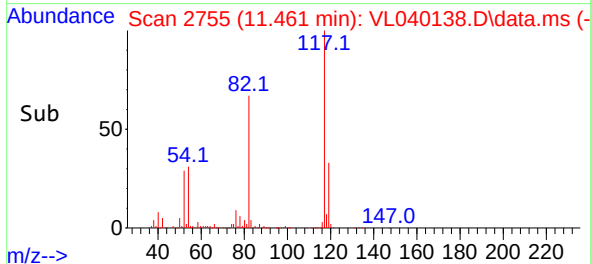
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



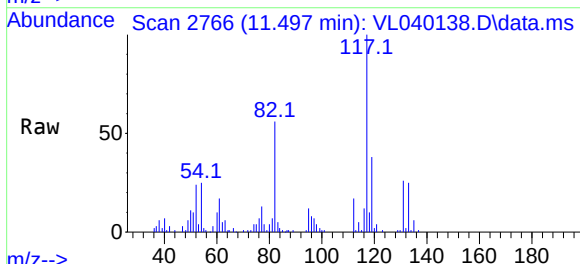
Tgt Ion:117 Resp: 187305
Ion Ratio Lower Upper
117 100
82 67.6 54.4 81.6
119 33.5 26.8 40.2

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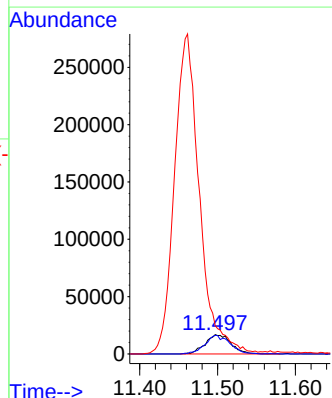
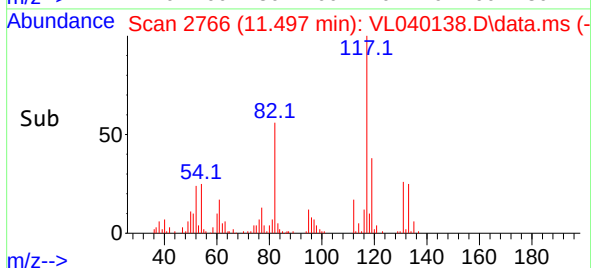
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

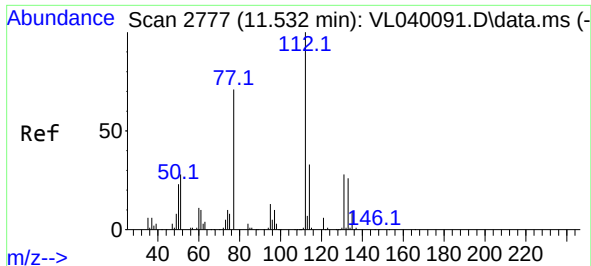


#56
1,1,1,2-Tetrachloroethane
Concen: 0.535 ppbv m
RT: 11.497 min Scan# 2766
Delta R.T. -0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



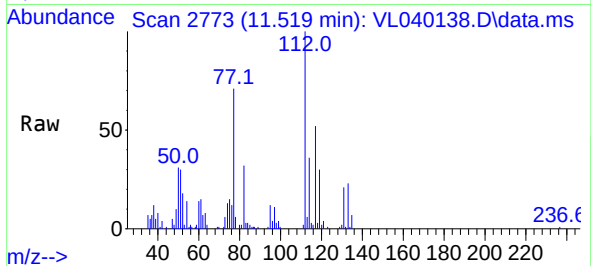
Tgt Ion:131 Resp: 38987
Ion Ratio Lower Upper
131 100
133 93.0 75.6 113.4
119 0.0 47.2 70.8#





#57
Chlorobenzene
Concen: 0.542 ppbv
RT: 11.519 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

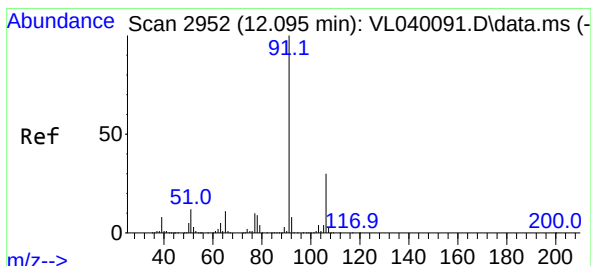
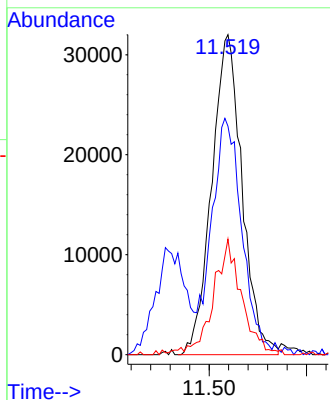
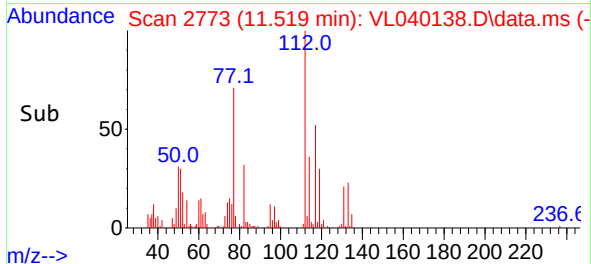
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion: 112 Resp: 6916
Ion Ratio Lower Upper
112 100
77 70.6 57.3 85.9
114 35.1 29.6 36.2

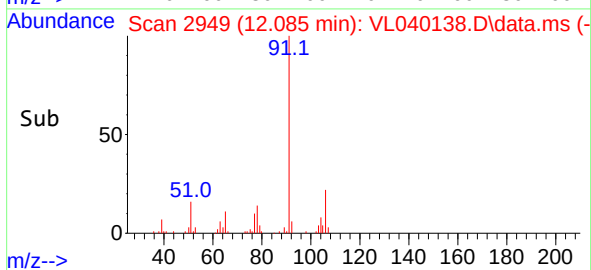
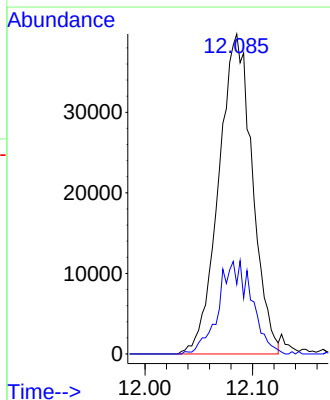
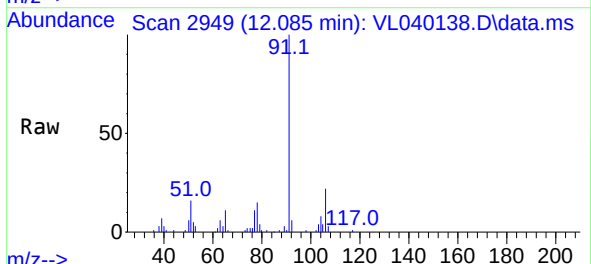
Manual Integrations
APPROVED

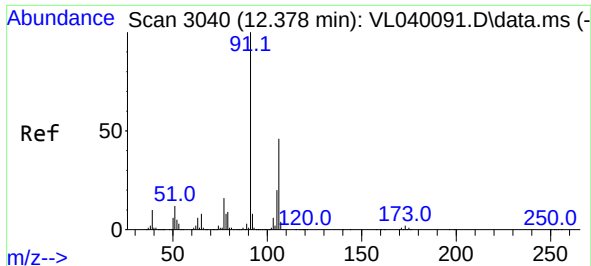
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#58
Ethyl Benzene
Concen: 0.413 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Tgt Ion: 91 Resp: 86227
Ion Ratio Lower Upper
91 100
106 21.8 23.7 35.5#





#59

m/p-Xylene

Concen: 0.892 ppbv m

RT: 12.371 min Scan# 3040

Delta R.T. 0.006 min

Lab File: VL040138.D

Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022

Tgt Ion: 91 Resp: 16764

Ion Ratio Lower Upper

91 100

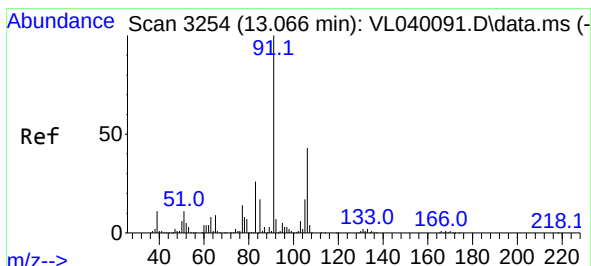
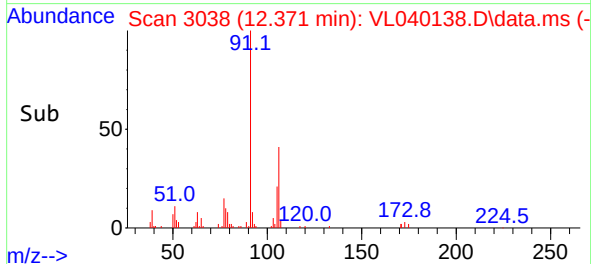
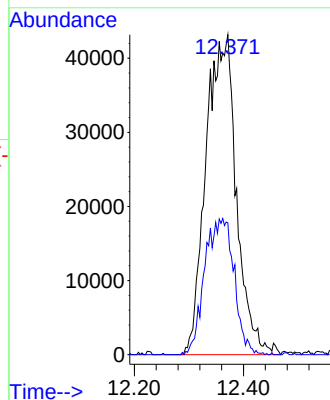
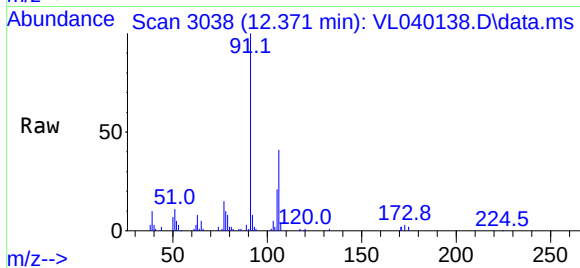
106 0.0 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023



#60

o-Xylene

Concen: 0.421 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VL040138.D

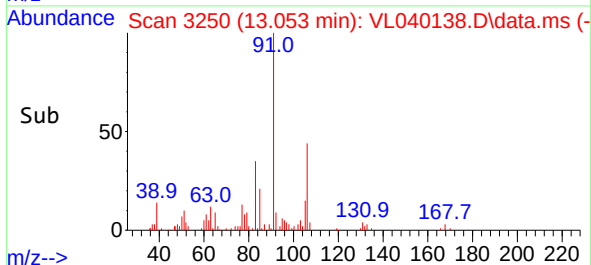
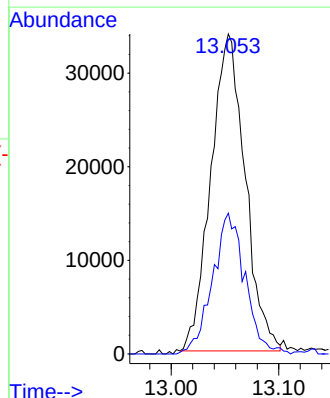
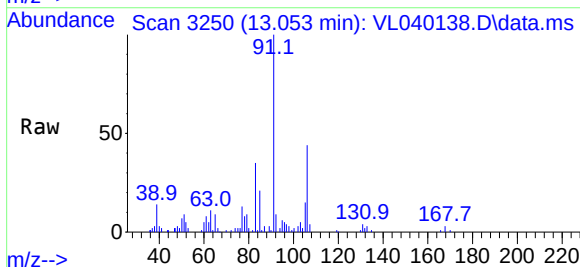
Acq: 30 Jan 2023 18:22

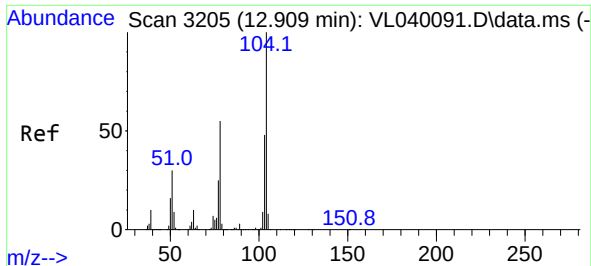
Tgt Ion: 91 Resp: 75038

Ion Ratio Lower Upper

91 100

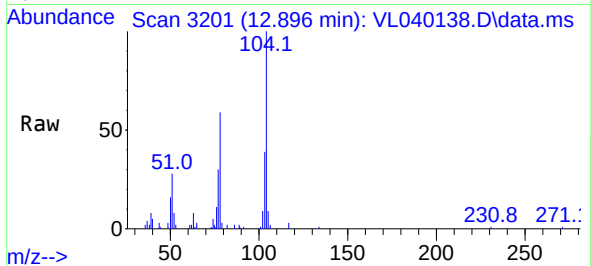
106 42.2 21.6 64.8





#61
Styrene
Concen: 0.350 ppbv m
RT: 12.896 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

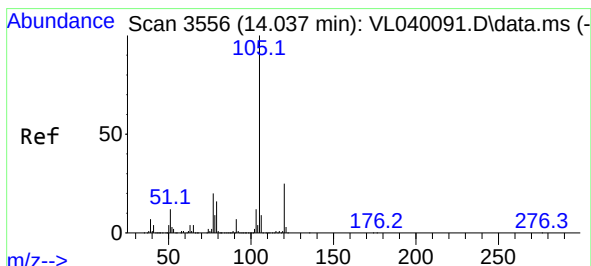
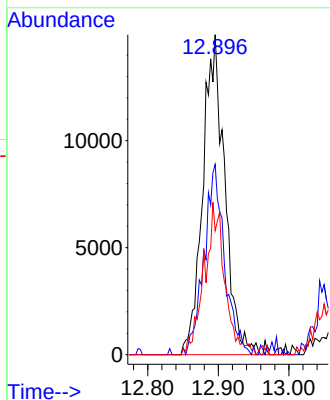
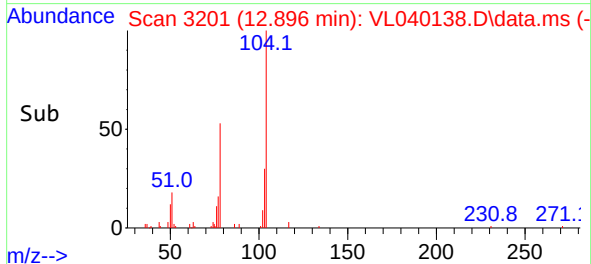
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion:104 Resp: 3249
Ion Ratio Lower Upper
104 100
78 55.8 44.0 66.0
103 45.3 37.8 56.6

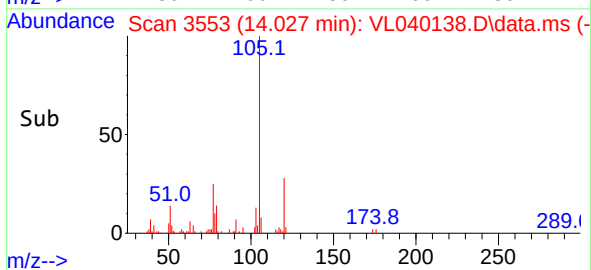
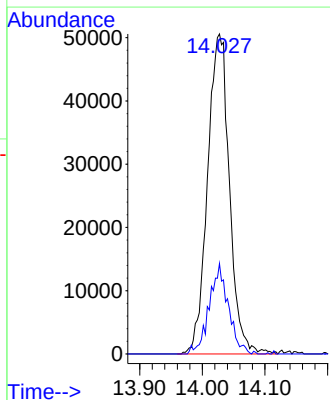
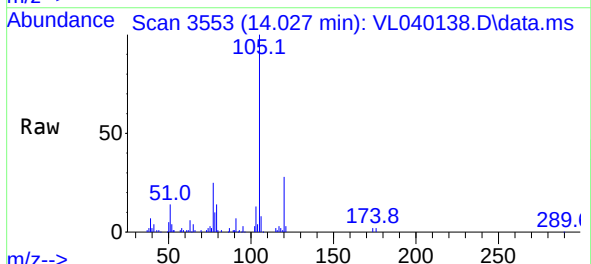
Manual Integrations
APPROVED

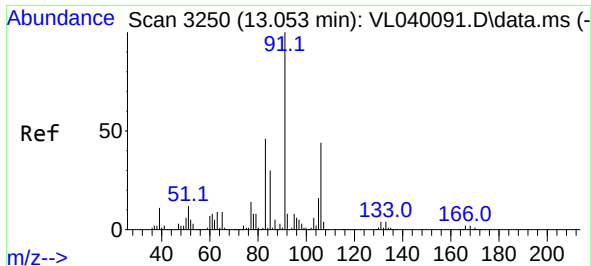
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#62
Isopropylbenzene
Concen: 0.478 ppbv m
RT: 14.027 min Scan# 3553
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Tgt Ion:105 Resp: 122741
Ion Ratio Lower Upper
105 100
120 24.7 20.2 30.2





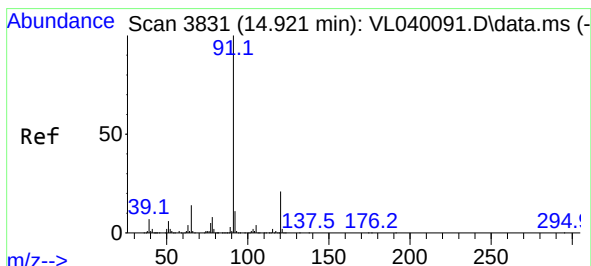
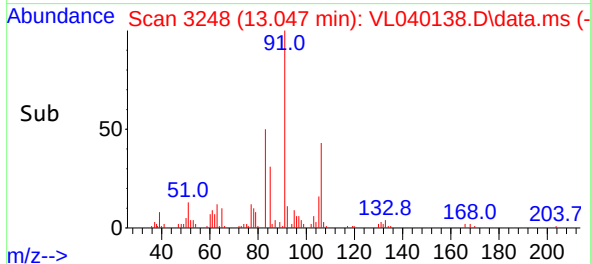
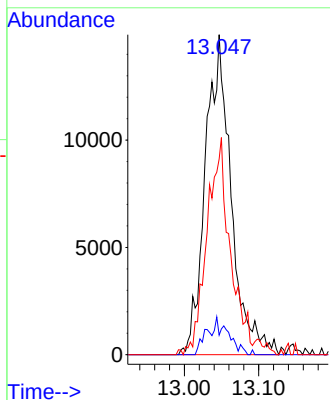
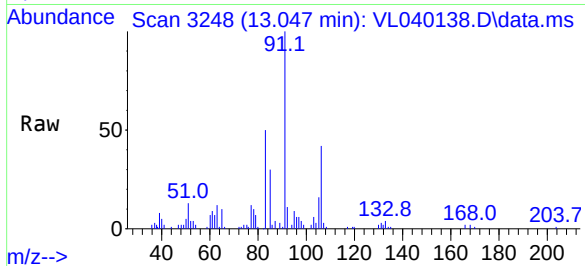
#63
1,1,2,2-Tetrachloroethane
Concen: 0.557 ppbv m
RT: 13.047 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022

Tgt Ion: 83 Resp: 36069
Ion Ratio Lower Upper
83 100
131 9.5 4.3 13.1
85 63.1 32.5 97.5

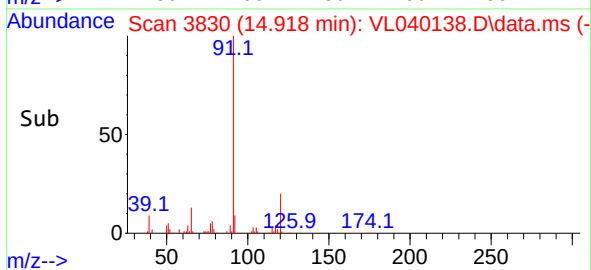
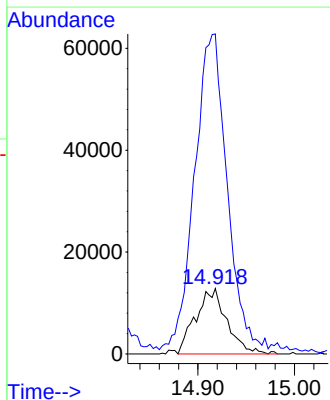
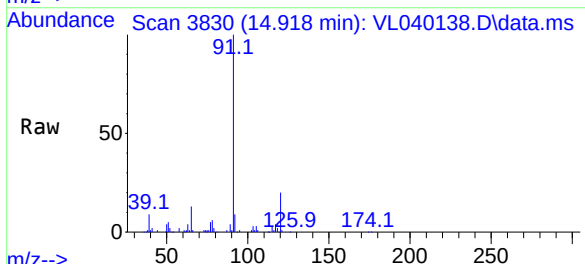
Manual Integrations
APPROVED

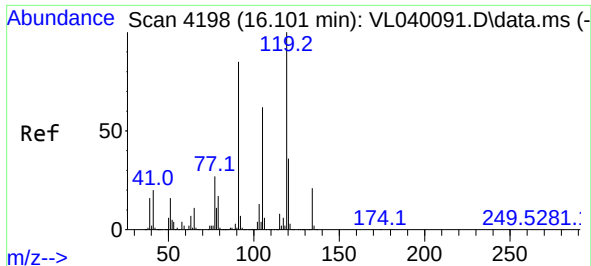
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#64
n-propylbenzene
Concen: 0.450 ppbv m
RT: 14.918 min Scan# 3830
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

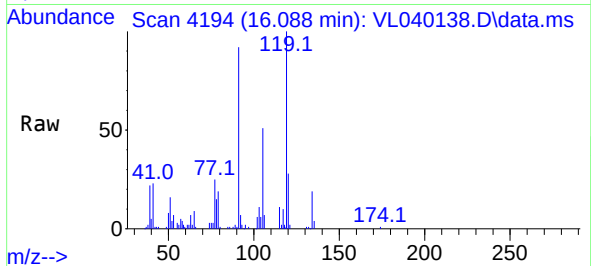
Tgt Ion:120 Resp: 28733
Ion Ratio Lower Upper
120 100
91 524.2 397.0 595.4





#65
tert-Butylbenzene
Concen: 0.441 ppbv m
RT: 16.088 min Scan# 4198
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

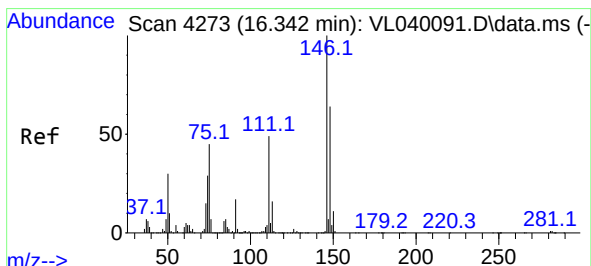
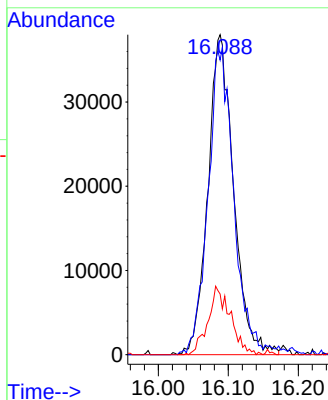
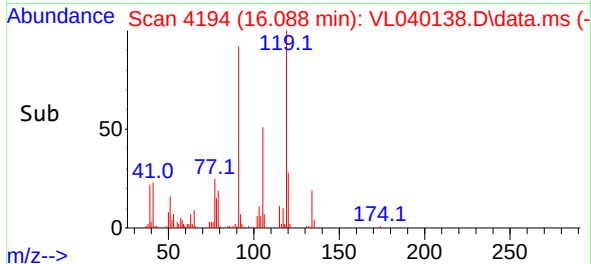
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



Tgt Ion: 119 Resp: 9681
Ion Ratio Lower Upper
119 100
91 97.7 69.5 104.3
134 18.7 15.8 23.8

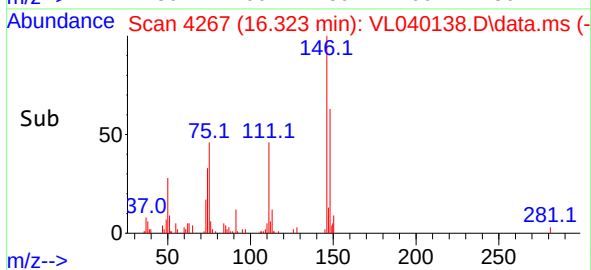
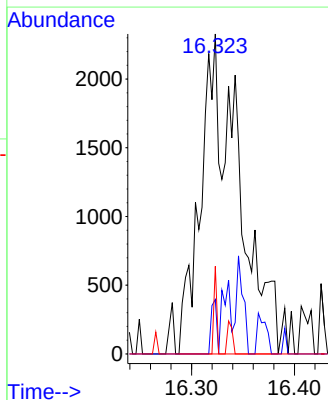
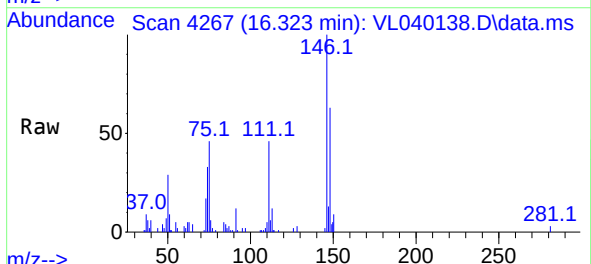
Manual Integrations
APPROVED

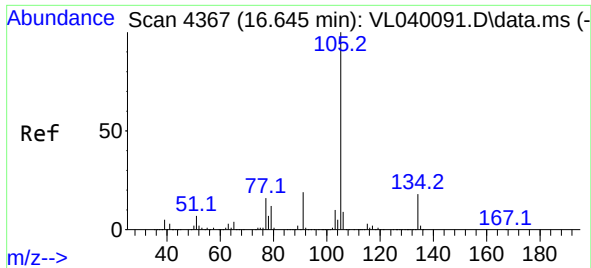
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#66
Benzyl Chloride
Concen: 0.399 ppbv m
RT: 16.323 min Scan# 4267
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

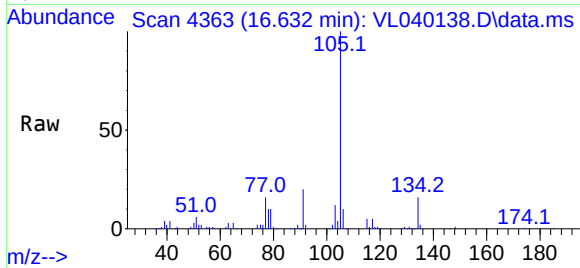
Tgt Ion: 91 Resp: 5987
Ion Ratio Lower Upper
91 100
126 0.0 11.5 17.3#
128 3.4 0.0 0.0#





#67
 sec-Butylbenzene
 Concen: 0.449 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22

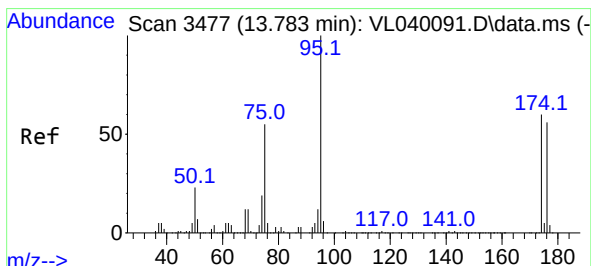
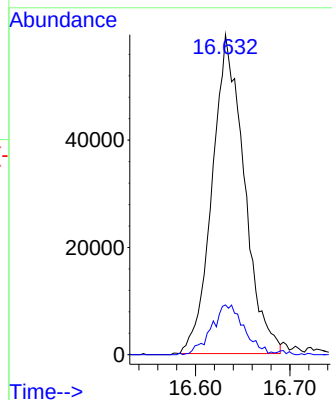
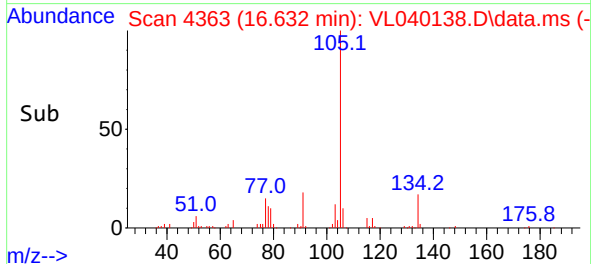
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022



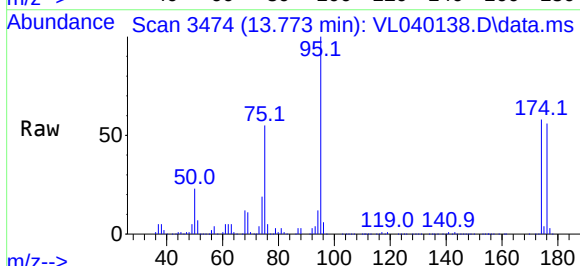
Tgt Ion:105 Resp: 139984
 Ion Ratio Lower Upper
 105 100
 134 16.4 14.1 21.1

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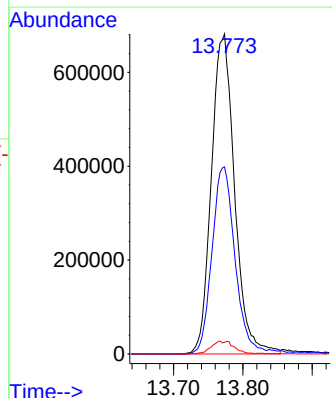
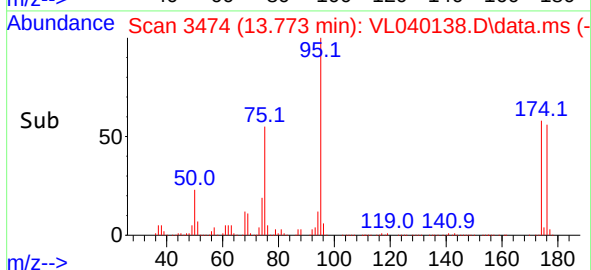
Reviewed By :Semsettin Yesilyurt 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023

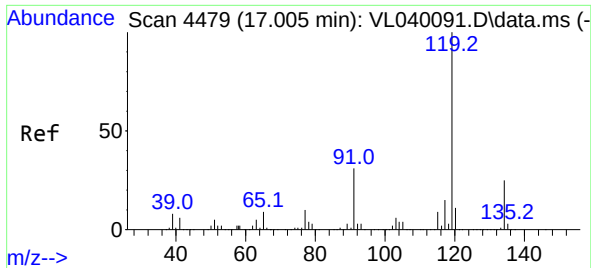


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.194 ppbv
 RT: 13.773 min Scan# 3474
 Delta R.T. 0.003 min
 Lab File: VL040138.D
 Acq: 30 Jan 2023 18:22



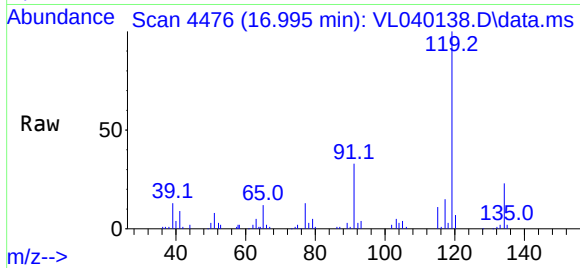
Tgt Ion: 95 Resp: 1586979
 Ion Ratio Lower Upper
 95 100
 174 58.8 47.7 71.5
 175 4.1 3.4 5.2





#69
p-Isopropyltoluene
Concen: 0.413 ppbv
RT: 16.995 min Scan# 4479
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

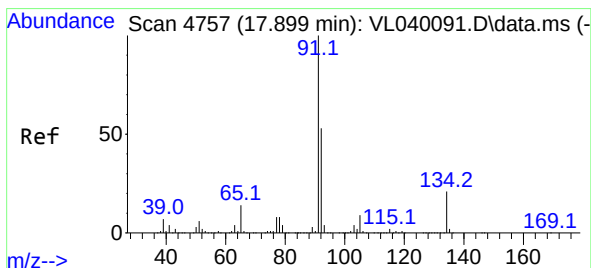
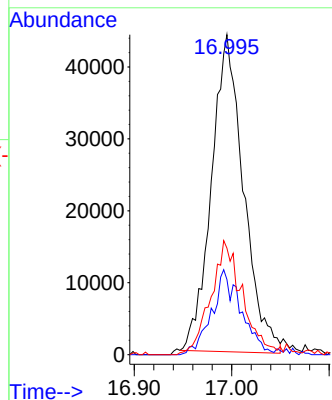
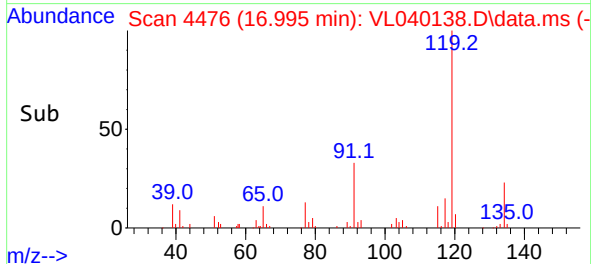
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



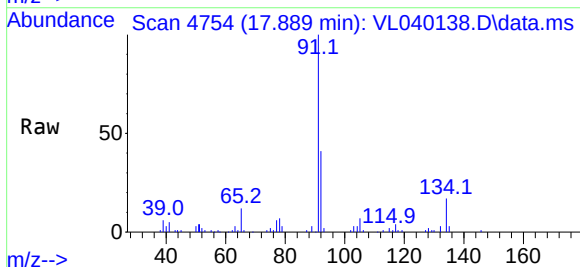
Tgt Ion:119 Resp: 100979
Ion Ratio Lower Upper
119 100
134 24.5 20.1 30.1
91 36.6 25.0 37.4

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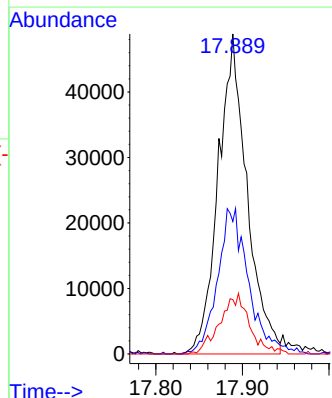
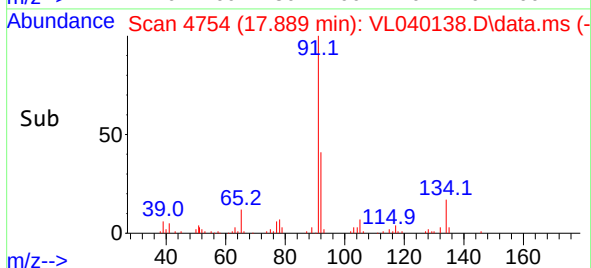
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

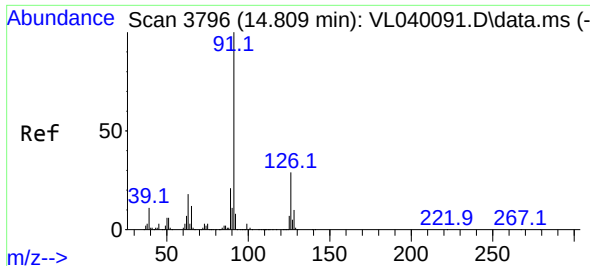


#70
n-Butylbenzene
Concen: 0.427 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



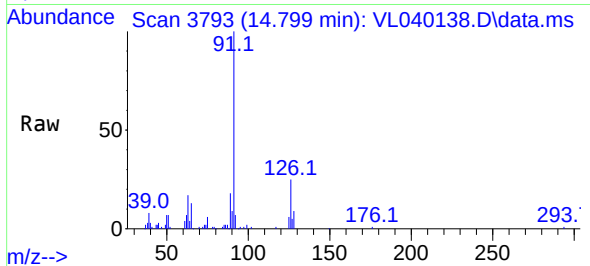
Tgt Ion: 91 Resp: 112737
Ion Ratio Lower Upper
91 100
92 49.3 42.8 64.2
134 19.4 16.9 25.3





#71
2-Chlorotoluene
Concen: 0.437 ppbv m
RT: 14.799 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

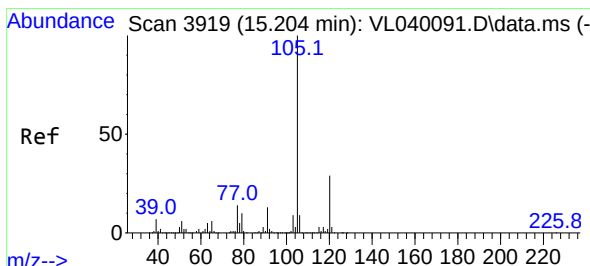
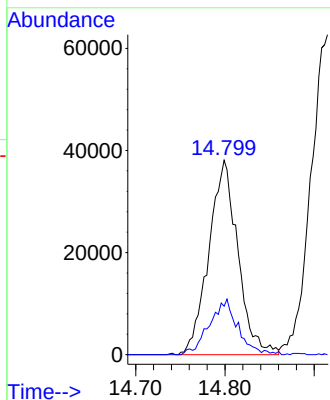
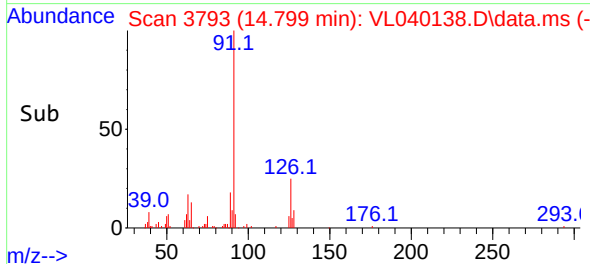
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



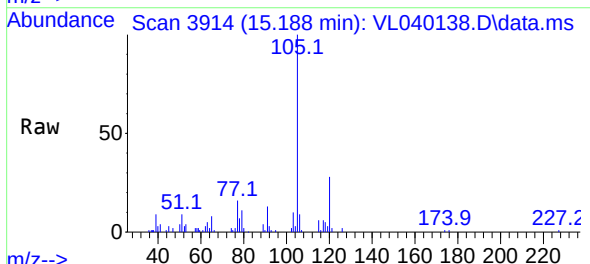
Tgt Ion: 91 Resp: 86258
Ion Ratio Lower Upper
91 100
126 28.3 11.9 47.5

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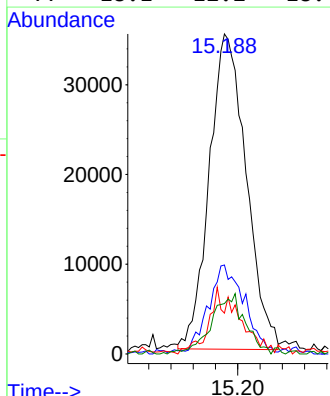
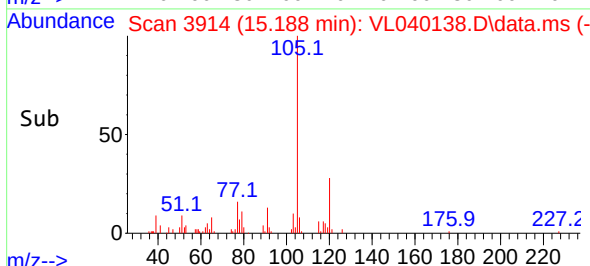
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

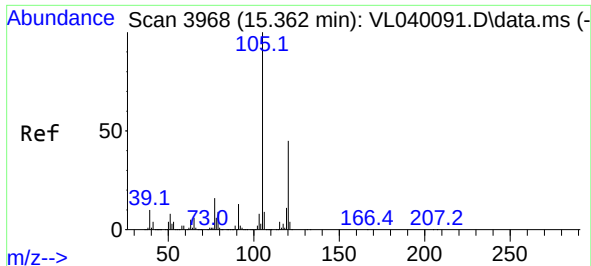


#72
4-Ethyltoluene
Concen: 0.408 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



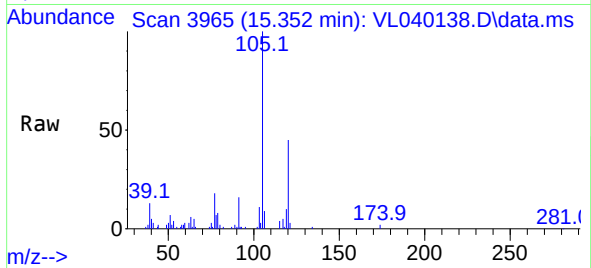
Tgt Ion:105 Resp: 80827
Ion Ratio Lower Upper
105 100
120 28.9 23.1 34.7
91 18.2 11.2 16.8#
77 18.1 12.2 18.4





#73
1,3,5-Trimethylbenzene
Concen: 0.440 ppbv m
RT: 15.352 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

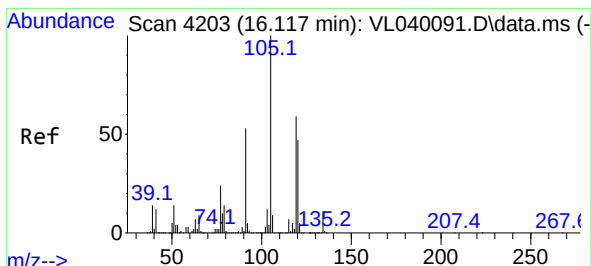
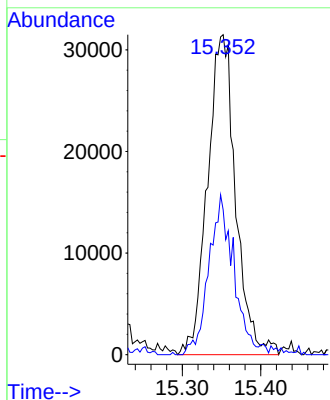
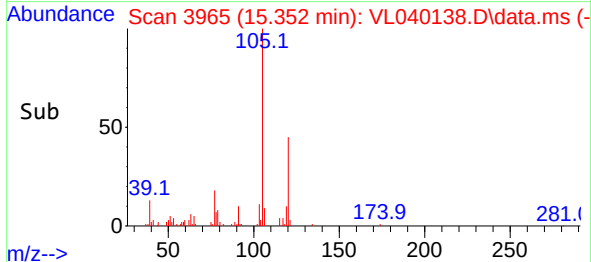
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



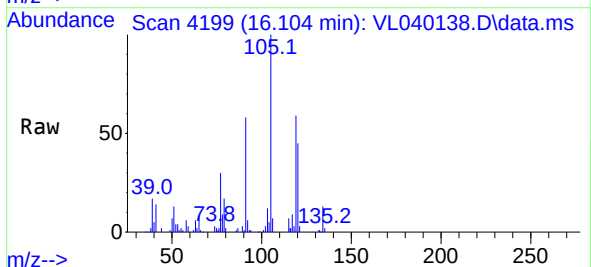
Tgt Ion:105 Resp: 7848
Ion Ratio Lower Upper
105 100
120 45.2 36.2 54.4

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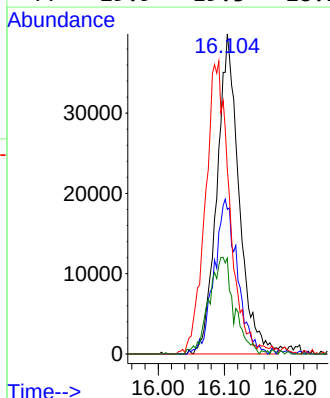
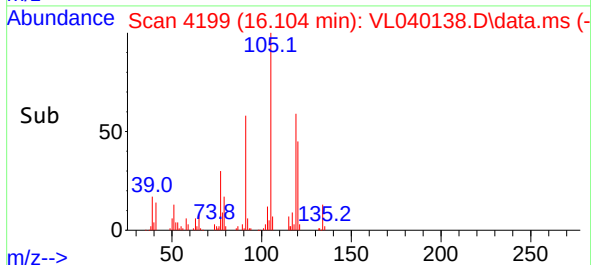
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

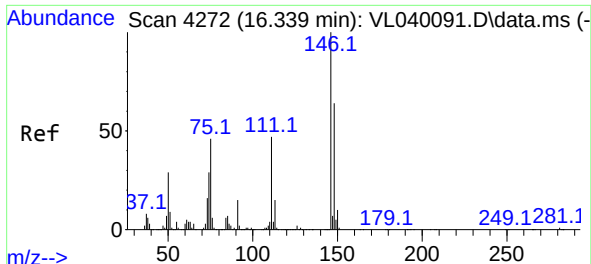


#74
1,2,4-Trimethylbenzene
Concen: 0.471 ppbv m
RT: 16.104 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



Tgt Ion:105 Resp: 92926
Ion Ratio Lower Upper
105 100
120 45.2 38.0 57.0
91 57.8 42.1 63.1
77 29.9 19.3 28.9#





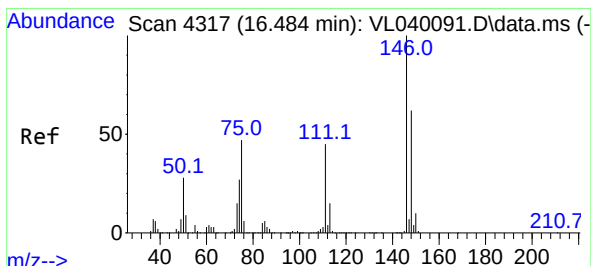
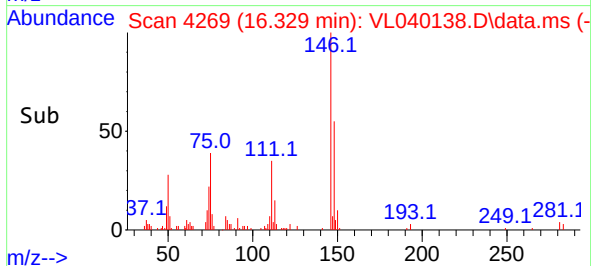
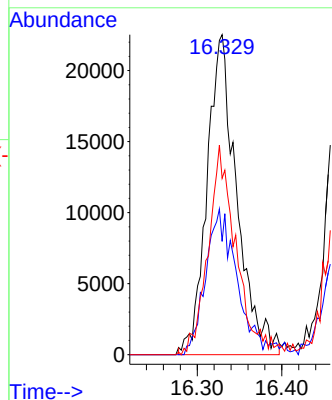
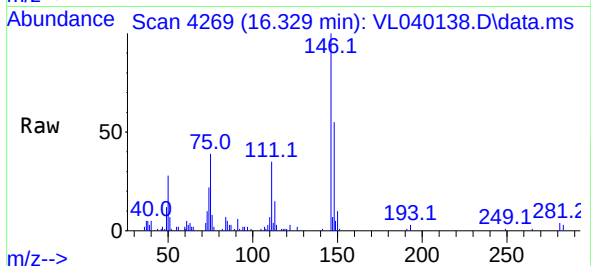
#75
1,3-Dichlorobenzene
Concen: 0.503 ppbv m
RT: 16.329 min Scan# 4314
Delta R.T. 0.003 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022

Tgt Ion:146 Resp: 5516
Ion Ratio Lower Upper
146 100
111 49.0 24.3 73.0
148 61.6 32.3 96.8

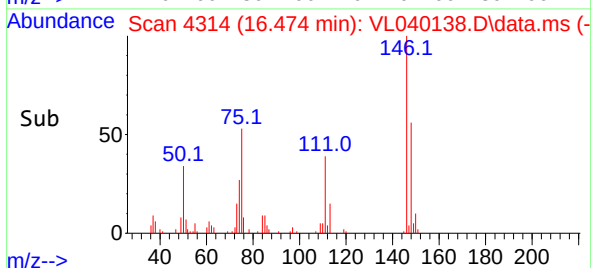
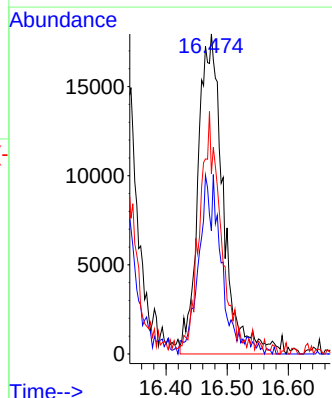
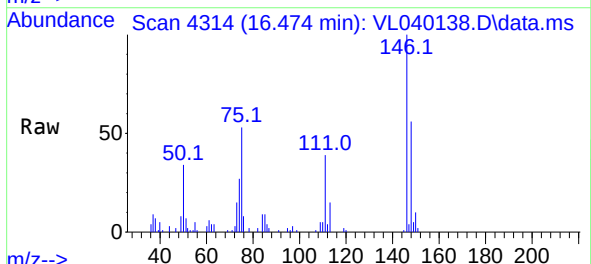
Manual Integrations
APPROVED

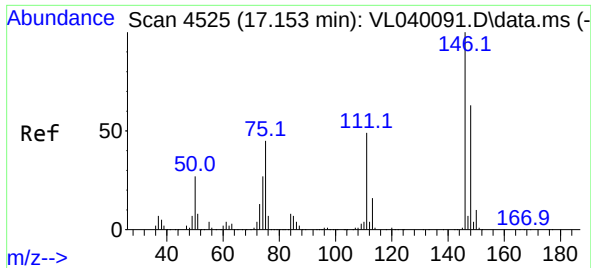
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023



#76
1,4-Dichlorobenzene
Concen: 0.475 ppbv m
RT: 16.474 min Scan# 4314
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

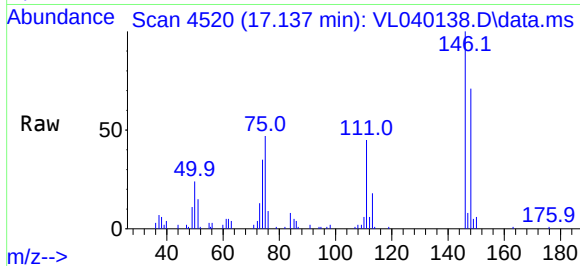
Tgt Ion:146 Resp: 51255
Ion Ratio Lower Upper
146 100
111 51.3 23.8 71.2
148 63.7 32.8 98.4





#77
1,2-Dichlorobenzene
Concen: 0.483 ppbv m
RT: 17.137 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

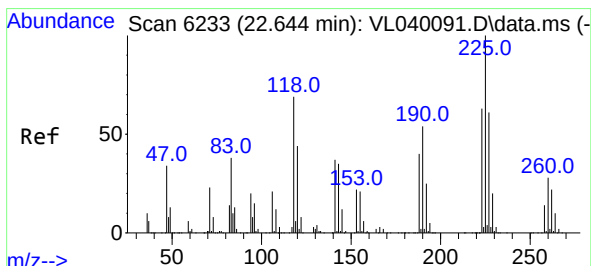
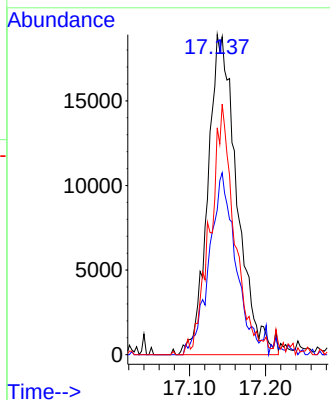
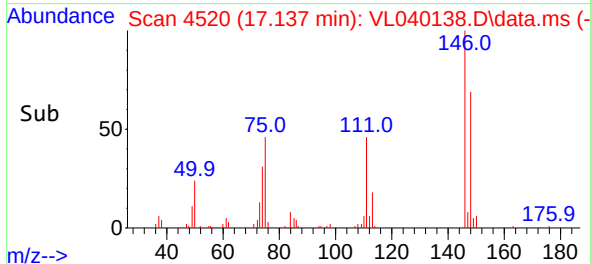
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



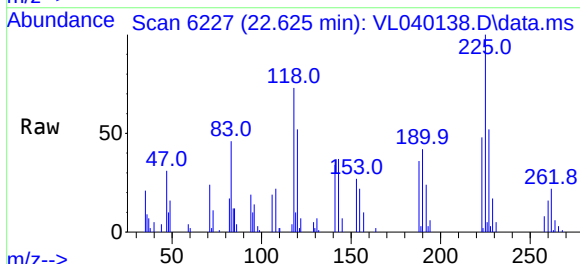
Tgt Ion:146 Resp: 50618
Ion Ratio Lower Upper
146 100
111 53.7 25.1 75.2
148 69.0 32.4 97.0

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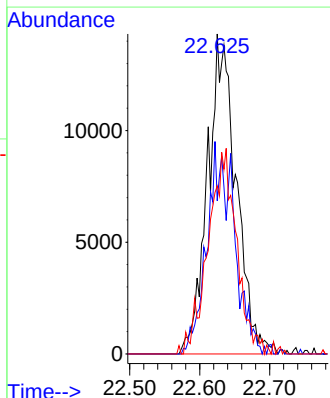
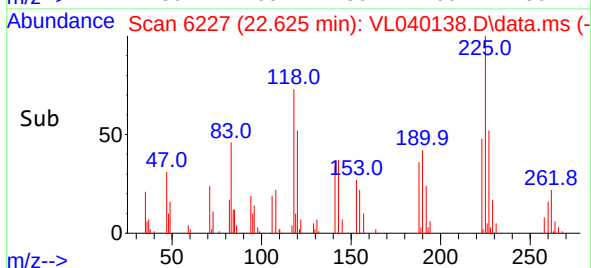
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

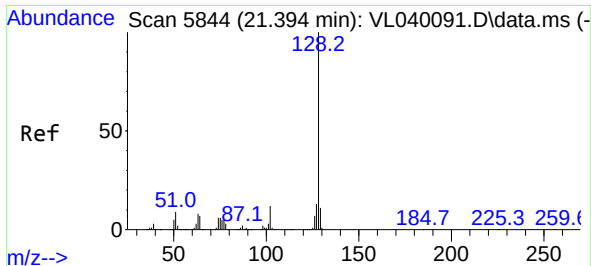


#78
Hexachloro-1,3-Butadiene
Concen: 0.530 ppbv m
RT: 22.625 min Scan# 6227
Delta R.T. -0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



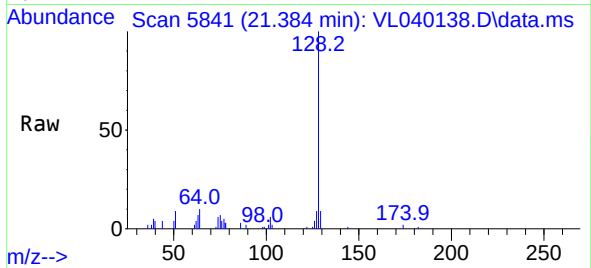
Tgt Ion:225 Resp: 40720
Ion Ratio Lower Upper
225 100
223 0.0 51.5 77.3#
227 63.9 50.6 76.0





#79
Naphthalene
Concen: 0.378 ppbv m
RT: 21.384 min Scan# 5841
Delta R.T. 0.006 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22

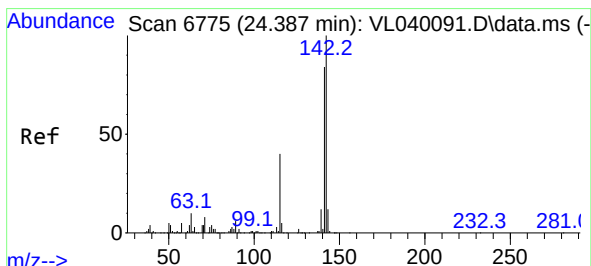
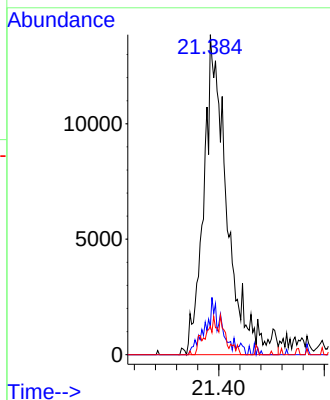
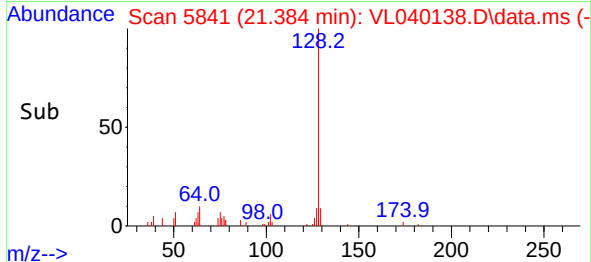
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022



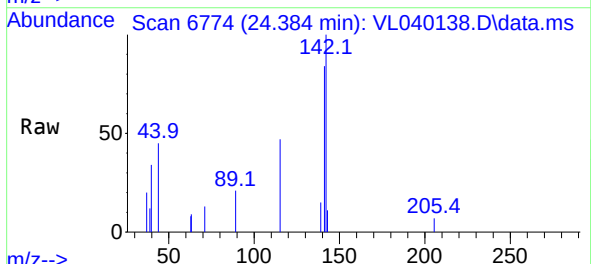
Tgt Ion:128 Resp: 4270
Ion Ratio Lower Upper
128 100
127 8.7 10.3 15.5
129 8.9 8.8 13.2

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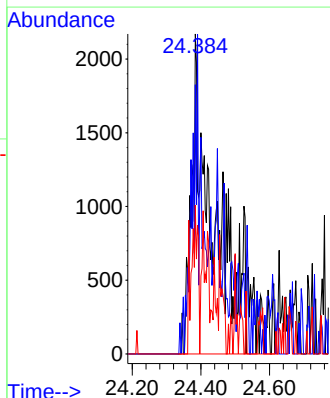
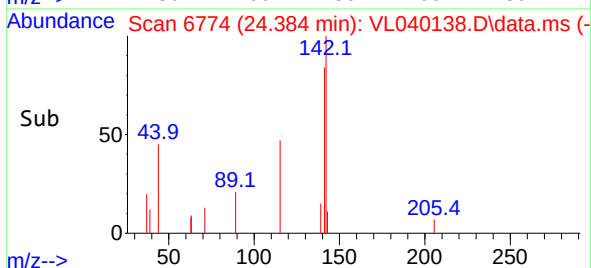
Reviewed By :Semsettin Yesilyurt 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

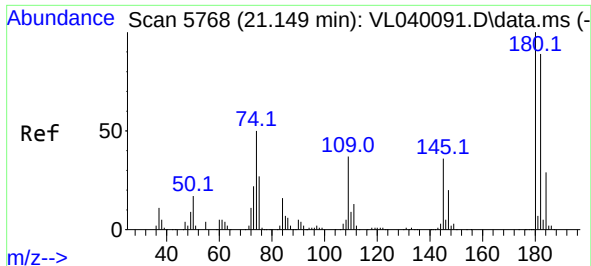


#80
Naphthalene,2-methyl-
Concen: 0.279 ppbv m
RT: 24.384 min Scan# 6774
Delta R.T. 0.010 min
Lab File: VL040138.D
Acq: 30 Jan 2023 18:22



Tgt Ion:142 Resp: 10649
Ion Ratio Lower Upper
142 100
141 29.4 65.0 97.6#
115 27.2 31.8 47.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.428 ppbv m

RT: 21.146 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL040138.D

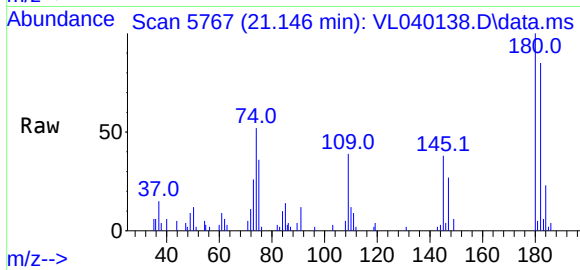
Acq: 30 Jan 2023 18:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022



Tgt Ion:180 Resp: 29854

Ion Ratio Lower Upper

180 100

182 88.7 78.6 117.8

184 28.3 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2023

Supervised By :Mahesh Dadoda 01/31/2023

