

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040557.D
 Acq On : 27 Jul 2023 2:06
 Operator : SY/MD
 Sample : 03572-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023

Quant Time: Jul 27 04:46:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 27 04:45:44 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/27/2023
 Supervised By : Mahesh Dadoda 07/27/2023

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

Internal Standards						
1) Bromochloromethane	5.176	49	1002250	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2621212	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.455	117	2288525	10.000	ppbv	-0.02

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.767 95 1882664 10.394 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	119400	0.596	ppbv	97
3) Chlorodifluoromethane	2.658	51	93454	0.588	ppbv	99
4) Chloromethane	2.796	50	36815	0.585	ppbv	94
5) Vinyl Chloride	2.903	62	33977	0.514	ppbv #	85
6) Bromomethane	3.105	94	15830	0.568	ppbv	98
7) Chloroethane	3.176	64	14059m	0.606	ppbv	
8) Dichlorotetrafluoroethane	2.838	85	97837	0.593	ppbv	99
9) Propene	2.677	41	28308	0.521	ppbv	97
10) Heptane	7.568	43	47895	0.399	ppbv	95
11) Trichlorofluoromethane	3.542	101	101374	0.627	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.047	101	72245	0.634	ppbv	93
13) Ethanol	3.240	45	7915m	0.669	ppbv	
14) Bromoethene	3.346	108	28174	0.575	ppbv #	95
15) Acetone	3.465	43	80423	0.697	ppbv	93
16) 1,3-Butadiene	2.967	39	27659	0.475	ppbv	84
17) tert-Butyl alcohol	3.877	59	70941	0.595	ppbv	99
18) 1,1-Dichloroethene	3.861	96	29334	0.560	ppbv	90
19) Isopropyl Alcohol	3.575	45	41169	0.622	ppbv #	94
20) Methylene Chloride	3.915	84	29295	0.597	ppbv	94
21) Allyl Chloride	3.983	41	34789	0.528	ppbv	85
22) trans-1,2-Dichloroethene	4.433	96	29856m	0.578	ppbv	
23) Vinyl Acetate	4.613	43	54500	0.496	ppbv #	91
24) 1,1-Dichloroethane	4.546	63	68035	0.610	ppbv	98
25) Ethyl Acetate	5.198	43	110167	0.502	ppbv #	95
26) Hexane	5.202	57	52307m	0.513	ppbv	
27) Carbon Disulfide	4.108	76	60187	0.501	ppbv #	88
28) Methyl tert-Butyl Ether	4.584	73	46205	0.562	ppbv	99
29) Chloroform	5.263	83	94810	0.560	ppbv	89
30) Cyclohexane	6.587	84	29444	0.347	ppbv #	83
31) cis-1,2-Dichloroethene	5.060	61	47222	0.468	ppbv #	87
32) 1,1,1-Trichloroethane	5.989	97	95340	0.576	ppbv	98
34) 2-Butanone	4.780	43	73151m	0.565	ppbv	
35) Carbon Tetrachloride	6.478	117	84477	0.536	ppbv	99
36) Benzene	6.356	78	103587	0.491	ppbv	99
37) 1,2-Dichloroethane	5.790	62	67401	0.543	ppbv	100
38) Trichloroethene	7.272	130	38950m	0.488	ppbv	
39) 1,2-Dichloropropane	7.063	63	39298m	0.484	ppbv	
40) 1,4-Dioxane	7.304	88	14345m	0.565	ppbv	
41) Tetrahydrofuran	5.568	42	30298	0.401	ppbv	95
42) Bromodichloromethane	7.237	83	86545	0.502	ppbv	99
43) Methyl Methacrylate	7.471	69	28816	0.365	ppbv	90
44) 2,2,4-Trimethylpentane	7.314	57	149835	0.442	ppbv #	89
45) t-1,3-Dichloropropene	8.700	75	17884m	0.353	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	22131m	0.341	ppbv	
47) 1,1,2-Trichloroethane	8.883	97	44894m	0.501	ppbv	
48) Dibromochloromethane	9.700	129	59275	0.428	ppbv	98
49) Bromoform	12.394	173	45724m	0.416	ppbv	
50) 4-Methyl-2-Pentanone	8.189	43	73519	0.391	ppbv	95
51) 2-Hexanone	9.565	43	41473m	0.312	ppbv	
52) Tetrachloroethene	10.603	164	33683m	0.493	ppbv	
53) Toluene	9.205	91	82735m	0.361	ppbv	
54) 1,2-Dibromoethane	9.999	107	51261	0.460	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.504	131	58114m	0.567	ppbv	
57) Chlorobenzene	11.516	112	95047	0.533	ppbv	93
58) Ethyl Benzene	12.079	91	100799	0.351	ppbv	95
59) m/p-Xylene	12.356	91	217588m	0.849	ppbv	
60) o-Xylene	13.050	91	104954	0.430	ppbv	96
61) Styrene	12.889	104	29624	0.263	ppbv #	86
62) Isopropylbenzene	14.021	105	166778	0.456	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	92908	0.543	ppbv	95
64) n-propylbenzene	14.912	120	39384m	0.416	ppbv	
65) tert-Butylbenzene	16.085	119	146953m	0.454	ppbv	
66) Benzyl Chloride	16.333	91	12797m	0.558	ppbv	
67) sec-Butylbenzene	16.629	105	223254	0.469	ppbv	97
69) p-Isopropyltoluene	16.992	119	162880	0.414	ppbv	94
70) n-Butylbenzene	17.883	91	184057	0.420	ppbv	97
71) 2-Chlorotoluene	14.793	91	115210	0.408	ppbv	99
72) 4-Ethyltoluene	15.188	105	112392	0.393	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.346	105	108034m	0.428	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	139496m	0.474	ppbv	
75) 1,3-Dichlorobenzene	16.320	146	81778	0.459	ppbv	87
76) 1,4-Dichlorobenzene	16.471	146	85116m	0.487	ppbv	
77) 1,2-Dichlorobenzene	17.134	146	87482m	0.513	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	82534m	0.515	ppbv	
79) Naphthalene	21.381	128	81202m	0.326	ppbv	
80) Naphthalene,2-methyl-	24.371	142	11821m	0.115	ppbv	
81) 1,2,4-Trichlorobenzene	21.127	180	70598m	0.412	ppbv	

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

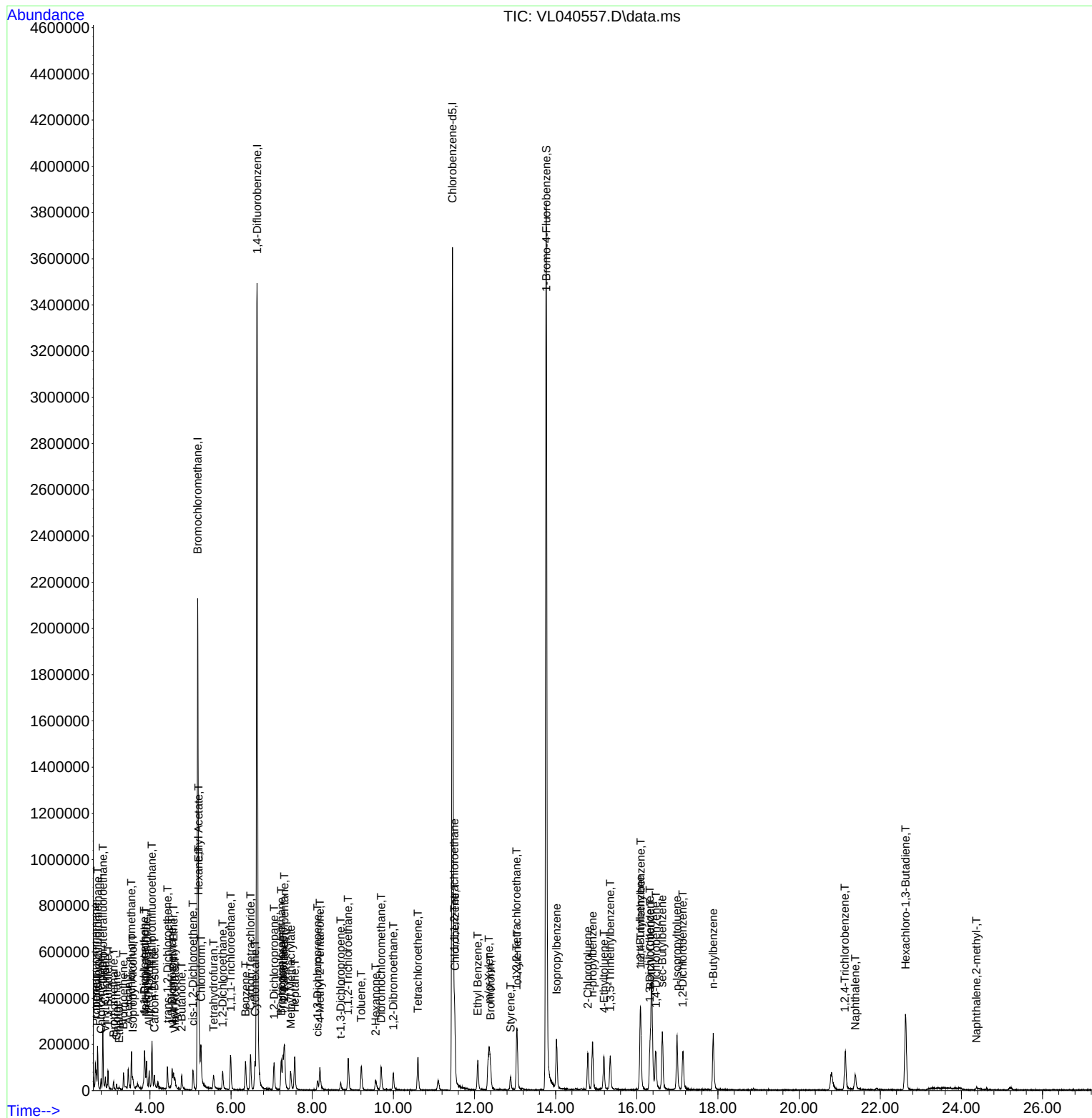
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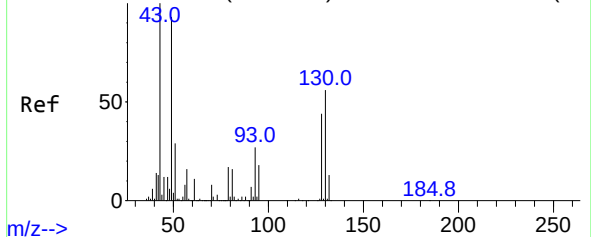
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Abundance Scan 804 (5.189 min): VL040455.D\data.ms (-78)



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.176 min Scan# 80

Delta R.T. -0.026 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion: 49 Resp: 1002250

Ion Ratio Lower Upper

49 100

128 49.0 25.1 75.4

130 64.5 31.6 94.7

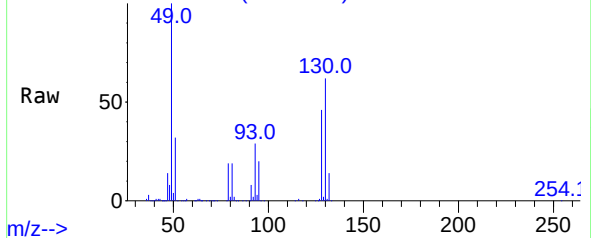
Manual Integrations

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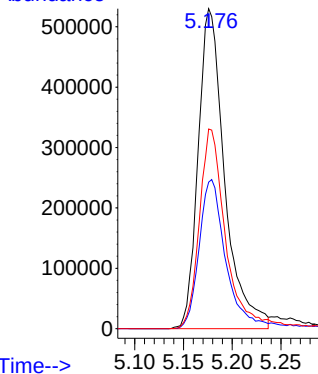
Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023

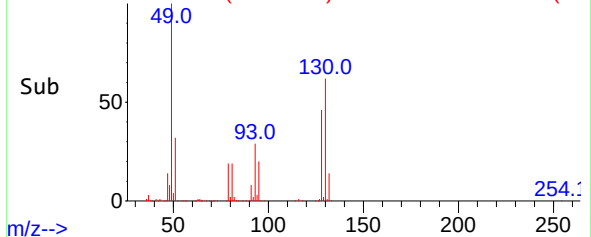
Abundance Scan 800 (5.176 min): VL040557.D\data.ms



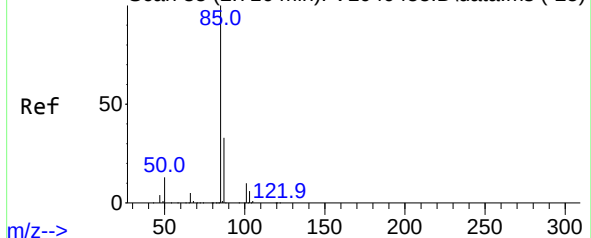
Abundance



Abundance Scan 800 (5.176 min): VL040557.D\data.ms (-65)



Abundance Scan 35 (2.716 min): VL040455.D\data.ms (-25)



#2

Dichlorodifluoromethane

Concen: 0.596 ppbv

RT: 2.710 min Scan# 33

Delta R.T. -0.029 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

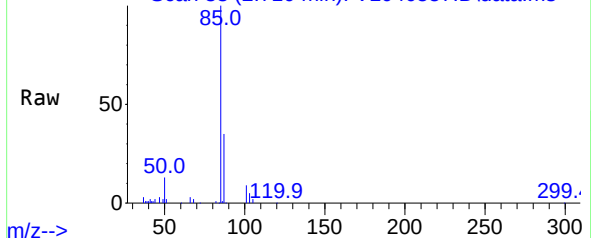
Tgt Ion: 85 Resp: 119400

Ion Ratio Lower Upper

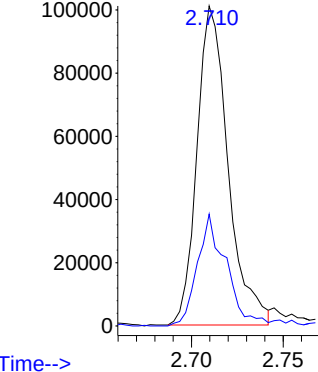
85 100

87 35.1 26.8 40.2

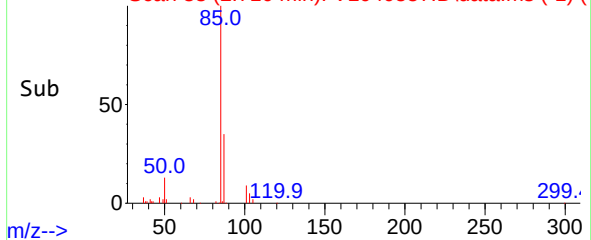
Abundance Scan 33 (2.710 min): VL040557.D\data.ms

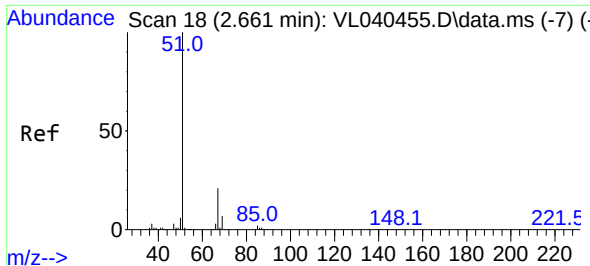


Abundance



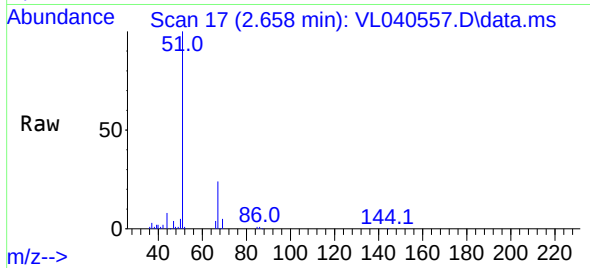
Abundance Scan 33 (2.710 min): VL040557.D\data.ms (-1)





#3
Chlorodifluoromethane
Concen: 0.588 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

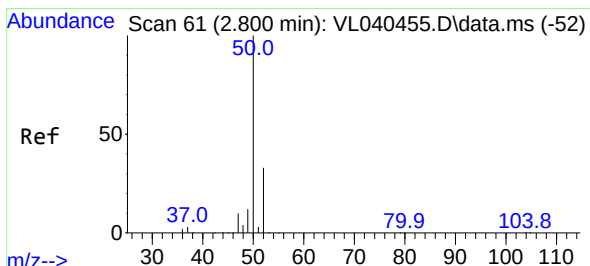
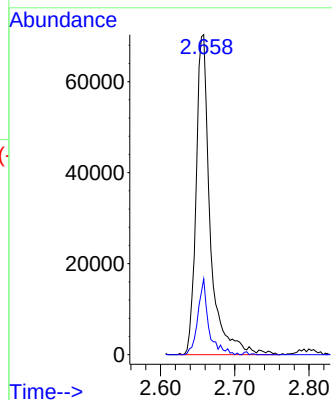
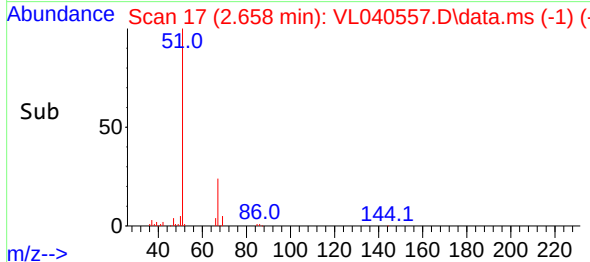
Instrument :
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ClientSampleId :
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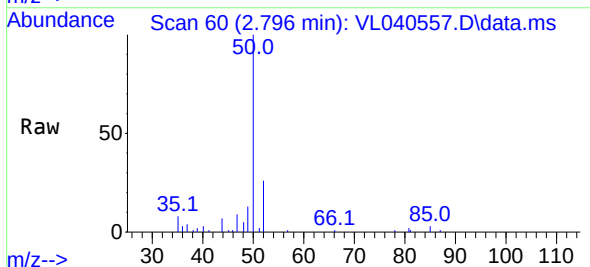
Tgt Ion: 51 Resp: 93454
Ion Ratio Lower Upper
51 100
67 18.5 14.6 21.8

Manual Integrations
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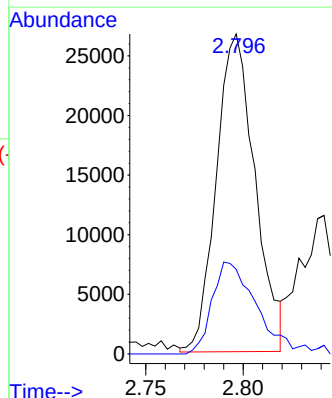
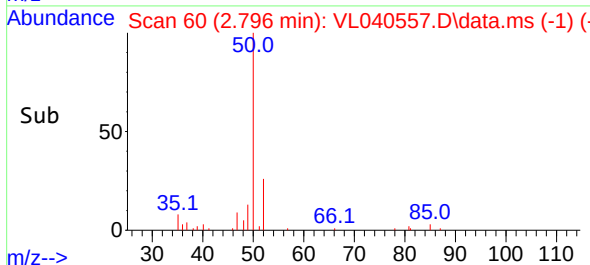
Reviewed By :Semsettin Yesilyurt 07/27/2023
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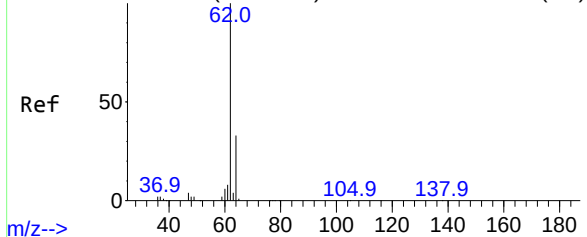
#4
Chloromethane
Concen: 0.585 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



Tgt Ion: 50 Resp: 36815
Ion Ratio Lower Upper
50 100
52 27.0 24.4 36.6



Abundance Scan 94 (2.906 min): VL040455.D\data.ms (-85)



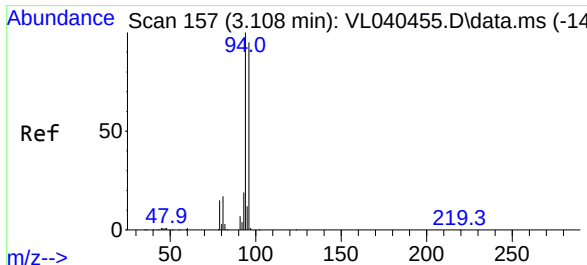
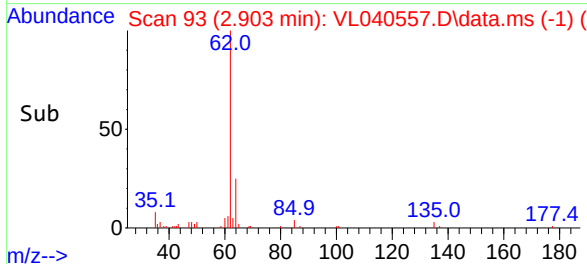
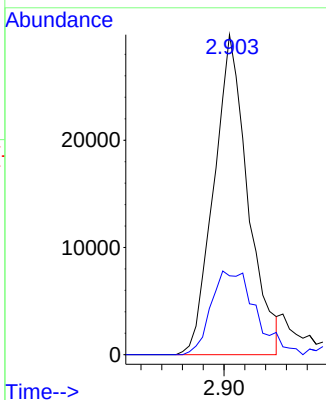
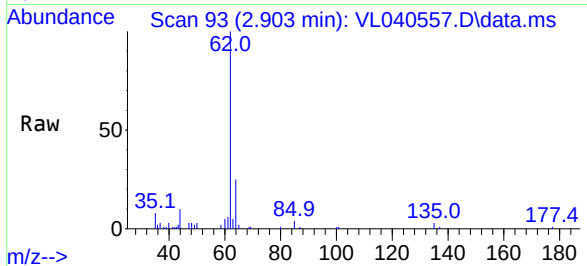
#5
Vinyl Chloride
Concen: 0.514 ppbv
RT: 2.903 min Scan# 91
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 62 Resp: 3397
Ion Ratio Lower Upper
62 100
64 24.6 26.4 39.6

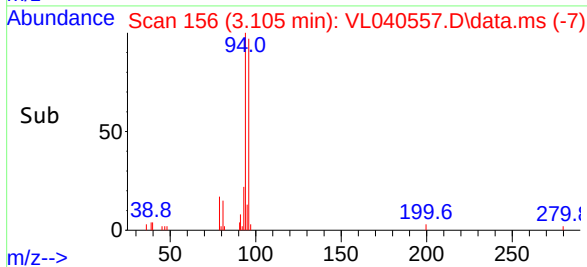
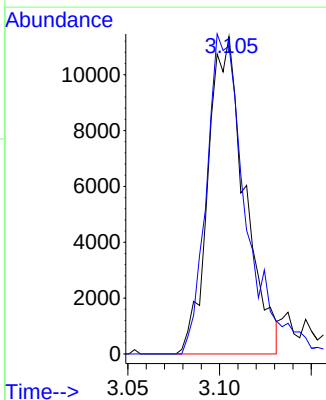
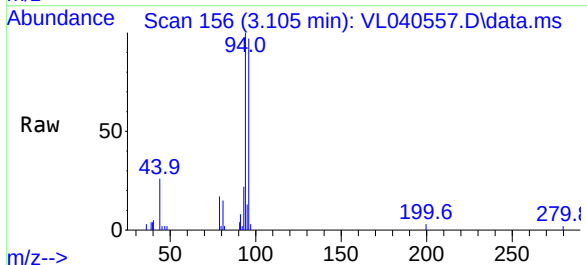
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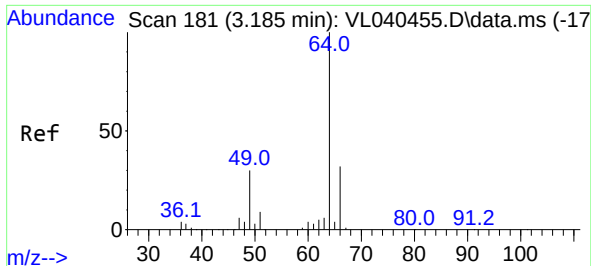
Reviewed By :Semsettin Yesilyurt 07/27/2023
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#6
Bromomethane
Concen: 0.568 ppbv
RT: 3.105 min Scan# 156
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

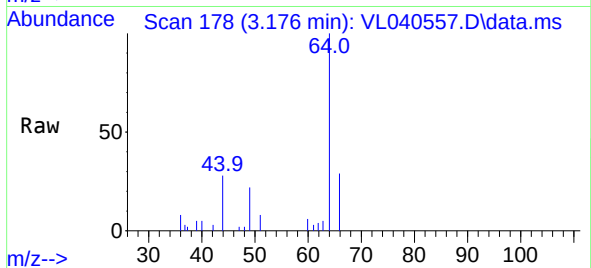
Tgt Ion: 94 Resp: 15830
Ion Ratio Lower Upper
94 100
96 97.0 75.7 113.5





#7
Chloroethane
Concen: 0.606 ppbv m
RT: 3.176 min Scan# 11
Delta R.T. -0.029 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

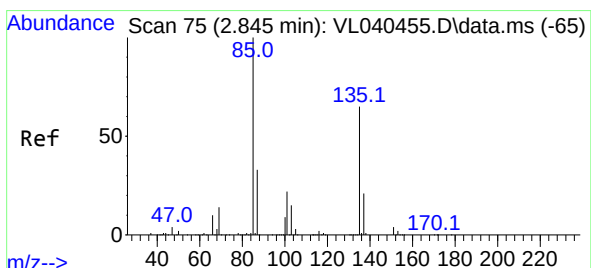
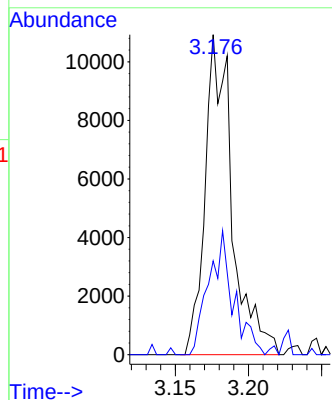
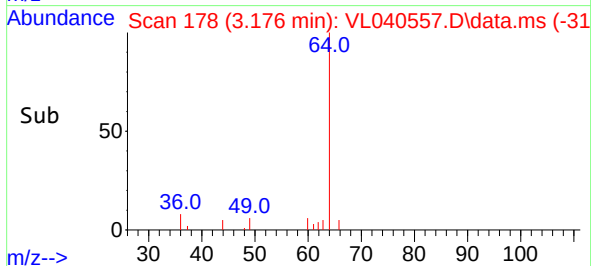
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Tgt Ion: 64 Resp: 14059
Ion Ratio Lower Upper
64 100
66 29.3 24.4 36.6

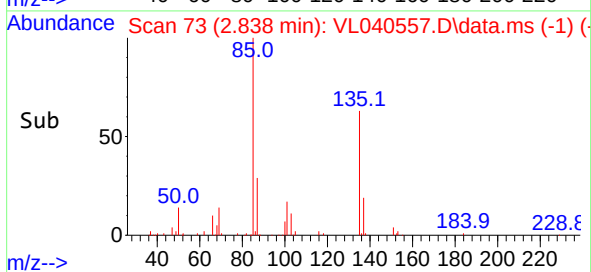
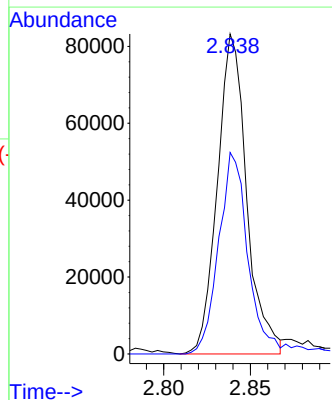
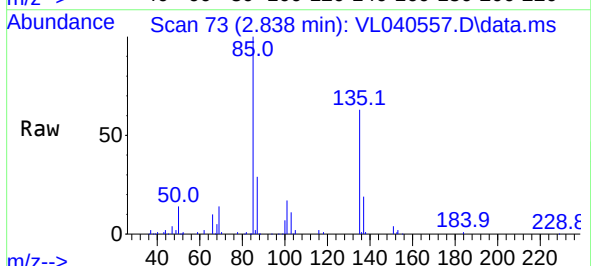
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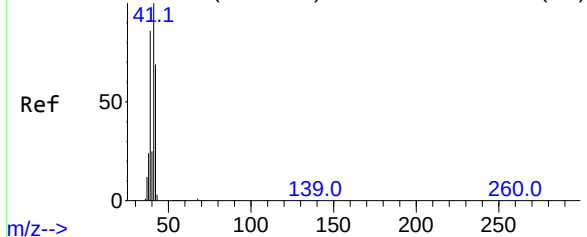


#8
Dichlorotetrafluoroethane
Concen: 0.593 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.029 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion: 85 Resp: 97837
Ion Ratio Lower Upper
85 100
135 66.5 52.4 78.6



Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



#9

Propene

Concen: 0.521 ppbv

RT: 2.677 min Scan# 21

Delta R.T. -0.026 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion: 41 Resp: 28308

Ion Ratio Lower Upper

41 100

42 66.4 55.0 82.6

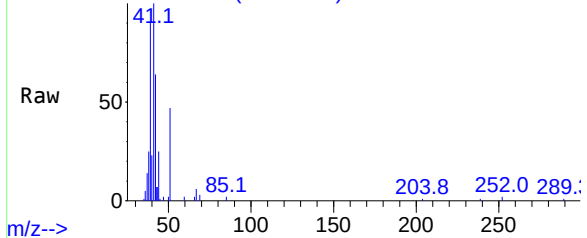
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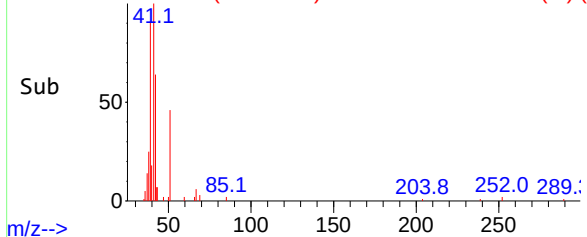
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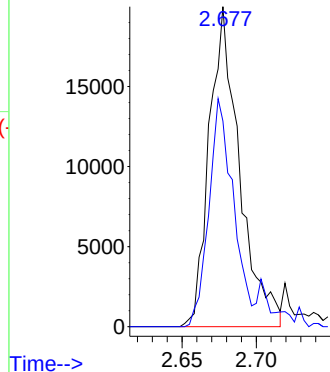
Abundance Scan 23 (2.677 min): VL040557.D\data.ms



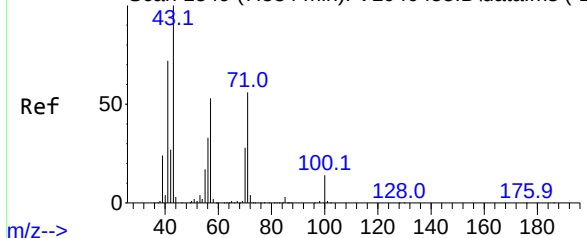
Abundance Scan 23 (2.677 min): VL040557.D\data.ms (-1)



Abundance



Abundance Scan 1549 (7.584 min): VL040455.D\data.ms (-1)



#10

Heptane

Concen: 0.399 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. -0.022 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

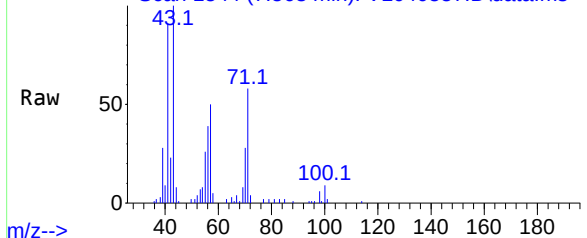
Tgt Ion: 43 Resp: 47895

Ion Ratio Lower Upper

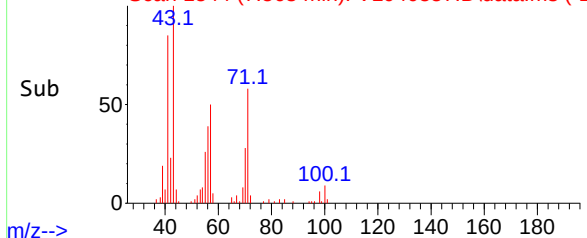
43 100

57 56.6 42.5 63.7

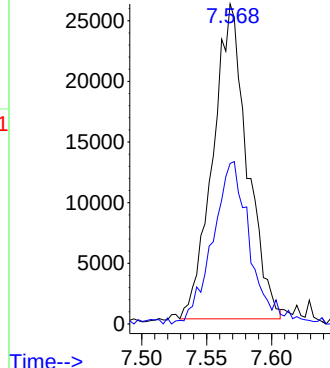
Abundance Scan 1544 (7.568 min): VL040557.D\data.ms

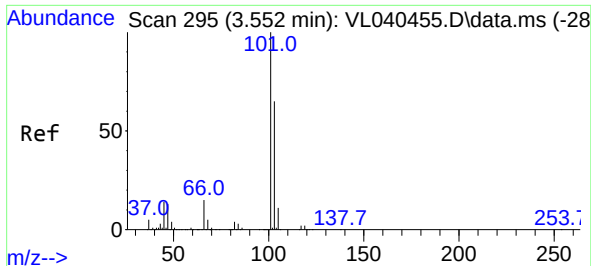


Abundance Scan 1544 (7.568 min): VL040557.D\data.ms (-1)



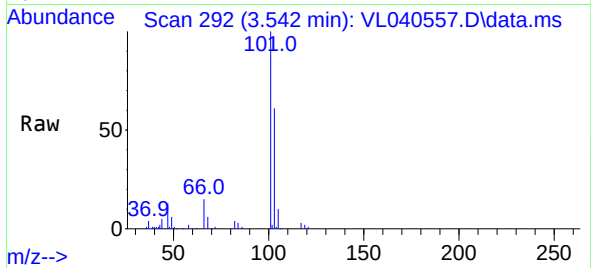
Abundance





#11
Trichlorofluoromethane
Concen: 0.627 ppbv
RT: 3.542 min Scan# 295
Delta R.T. -0.029 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

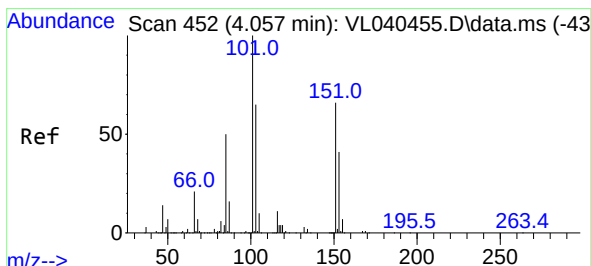
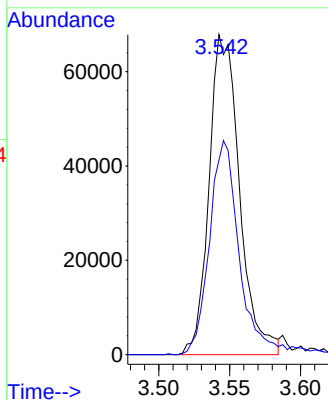
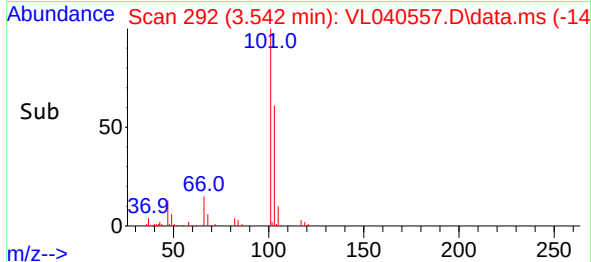
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



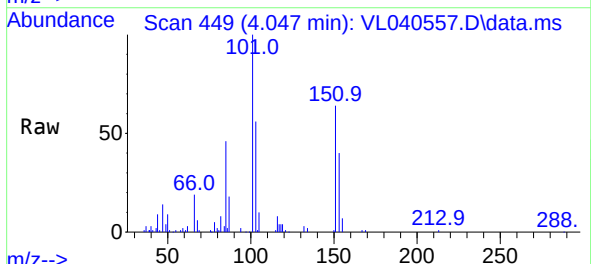
Tgt Ion:101 Resp: 101374
Ion Ratio Lower Upper
101 100
103 60.9 53.4 80.0

Manual Integrations
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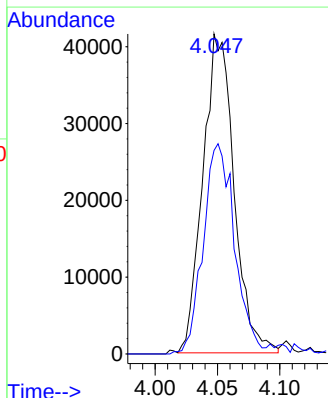
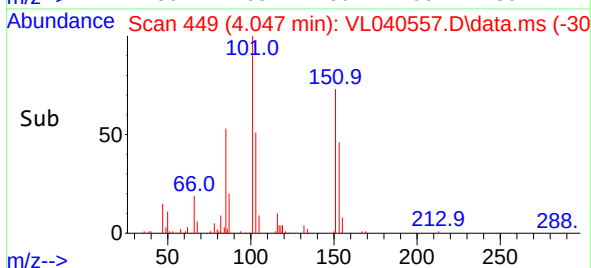
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

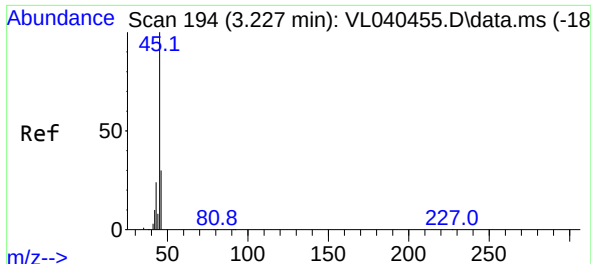


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.634 ppbv
RT: 4.047 min Scan# 449
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



Tgt Ion:101 Resp: 72245
Ion Ratio Lower Upper
101 100
151 66.9 58.2 87.4





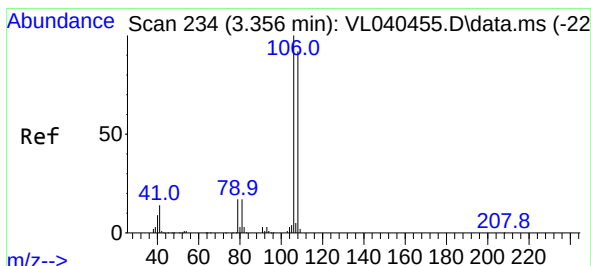
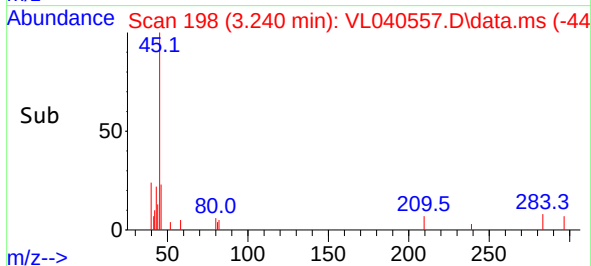
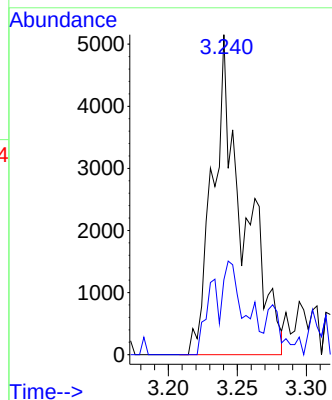
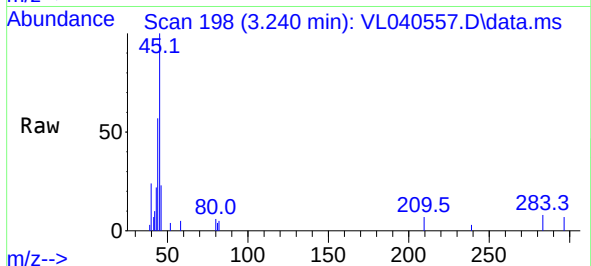
#13
Ethanol
Concen: 0.669 ppbv m
RT: 3.240 min Scan# 194
Delta R.T. -0.006 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 45 Resp: 7915
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.15

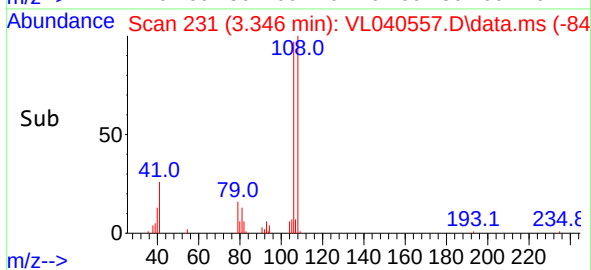
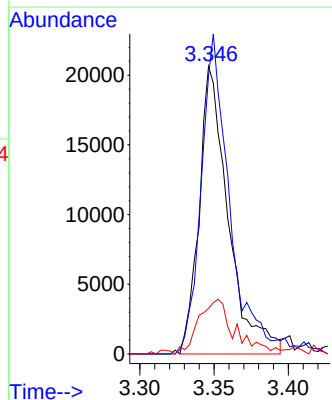
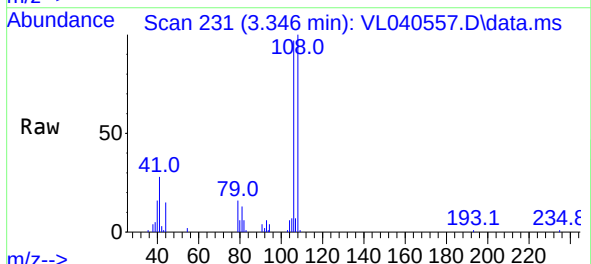
Manual Integrations
APPROVED

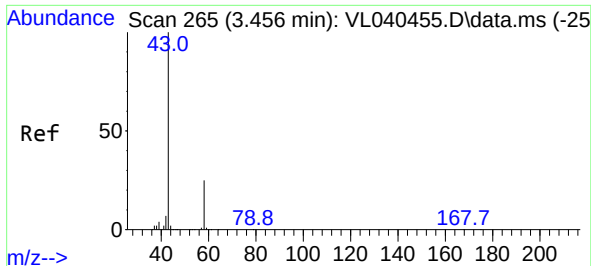
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#14
Bromoethene
Concen: 0.575 ppbv
RT: 3.346 min Scan# 231
Delta R.T. -0.029 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

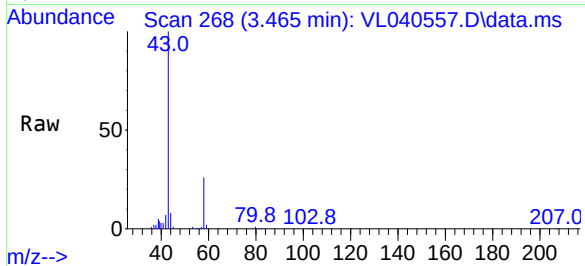
Tgt Ion:108 Resp: 28174
Ion Ratio Lower Upper
108 100
106 112.5 87.2 130.8
79 26.9 15.3 22.95





#15
Acetone
Concen: 0.697 ppbv
RT: 3.465 min Scan# 204
Delta R.T. -0.010 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

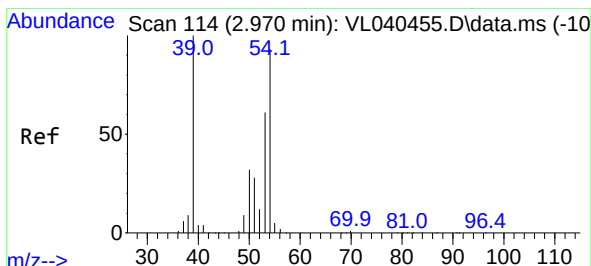
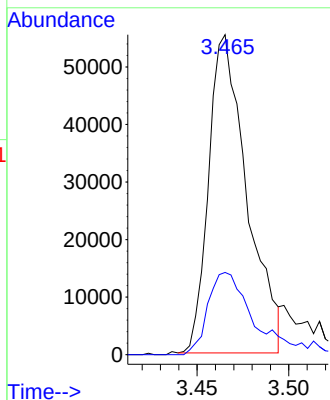
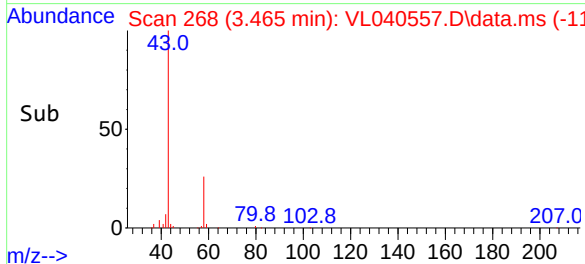
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



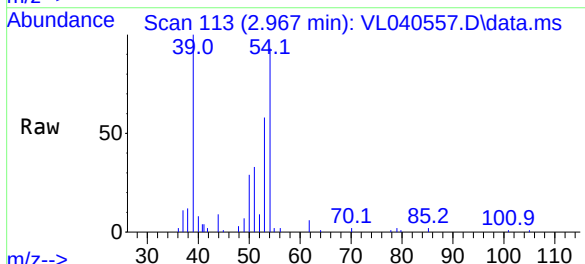
Tgt Ion: 43 Resp: 8042
Ion Ratio Lower Upper
43 100
58 32.1 22.9 34.3

Manual Integrations
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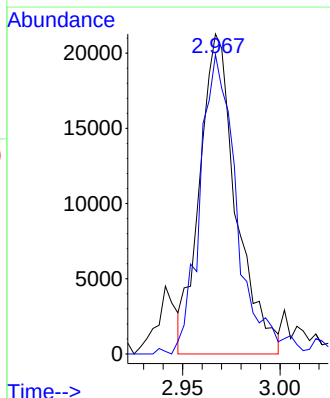
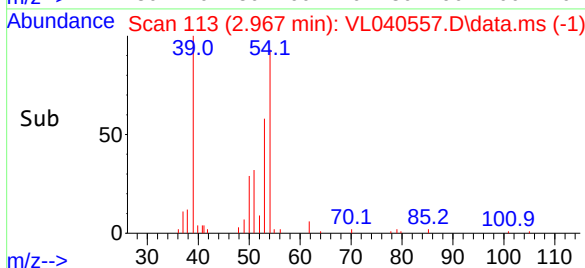
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

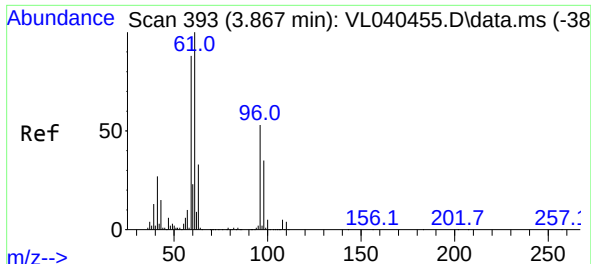


#16
1,3-Butadiene
Concen: 0.475 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



Tgt Ion: 39 Resp: 27659
Ion Ratio Lower Upper
39 100
54 98.0 66.6 100.0





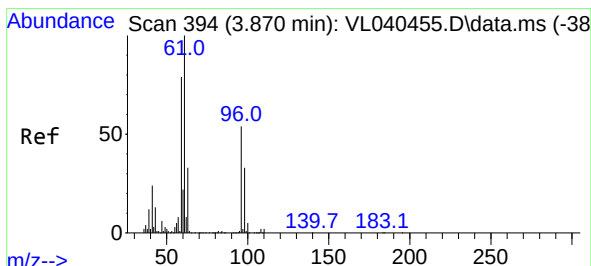
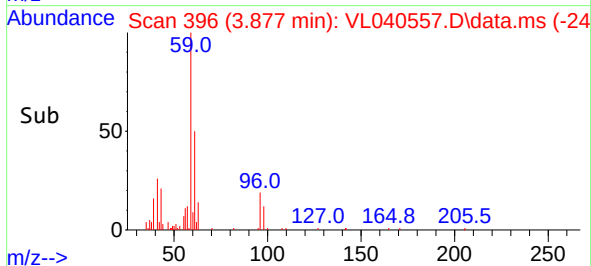
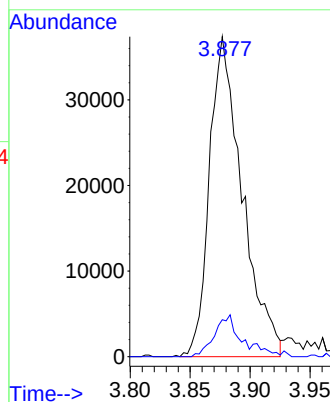
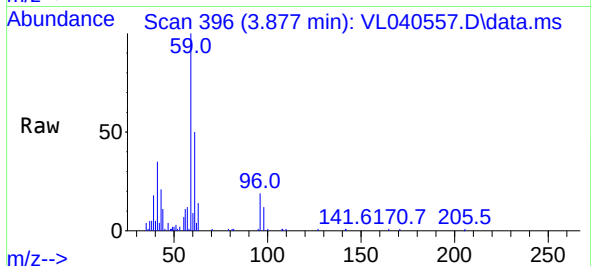
#17
tert-Butyl alcohol
Concen: 0.595 ppbv
RT: 3.877 min Scan# 396
Delta R.T. -0.006 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 59 Resp: 7094
Ion Ratio Lower Upper
59 100
57 11.3 8.7 13.1

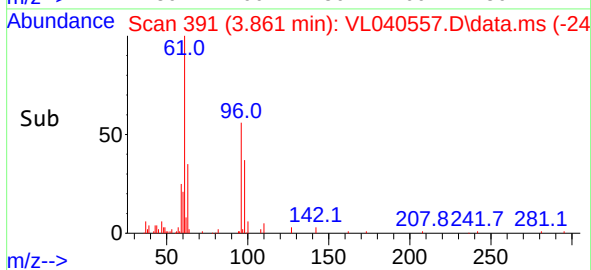
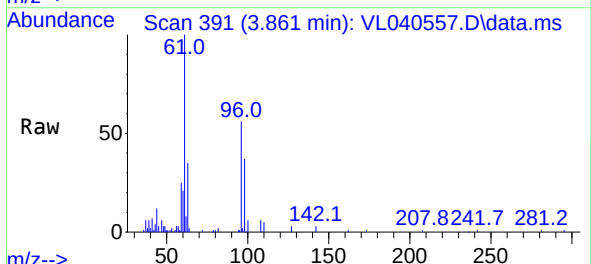
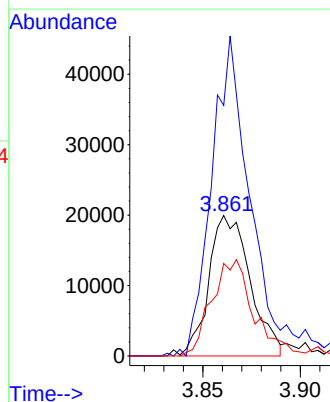
Manual Integrations
APPROVED

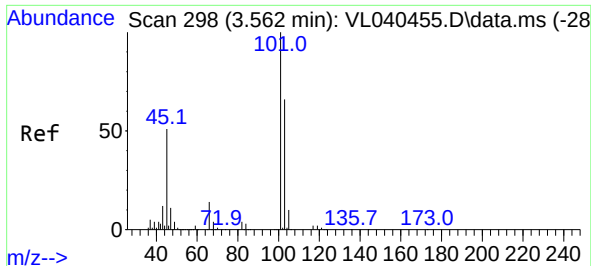
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#18
1,1-Dichloroethene
Concen: 0.560 ppbv
RT: 3.861 min Scan# 391
Delta R.T. -0.029 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

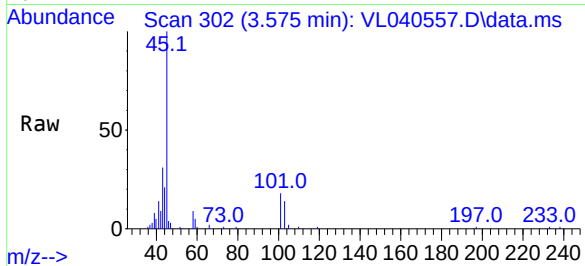
Tgt Ion: 96 Resp: 29334
Ion Ratio Lower Upper
96 100
61 175.1 154.4 231.6
98 66.4 50.0 75.0





#19
Isopropyl Alcohol
Concen: 0.622 ppbv
RT: 3.575 min Scan# 302
Delta R.T. -0.006 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

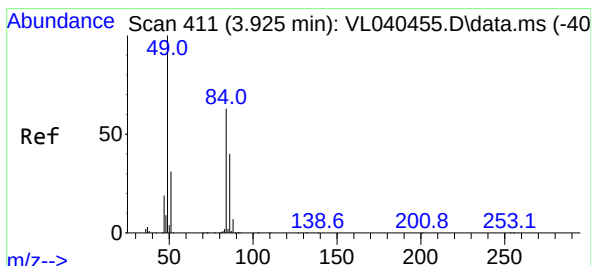
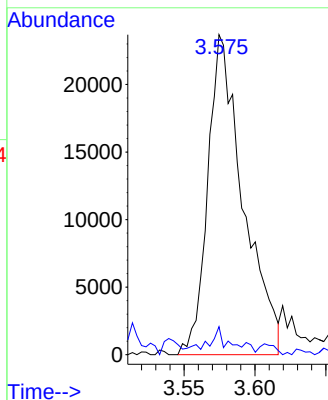
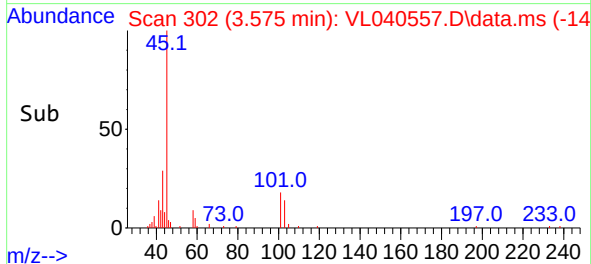
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



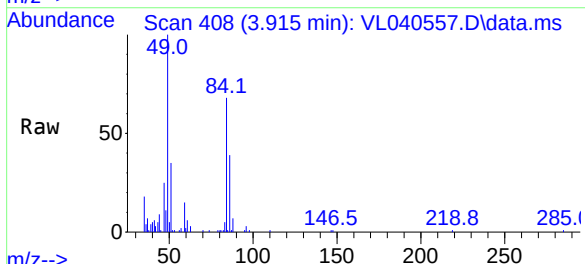
Tgt Ion: 45 Resp: 41169
Ion Ratio Lower Upper
45 100
58 3.8 1.1 1.7

Manual Integrations
APPROVED

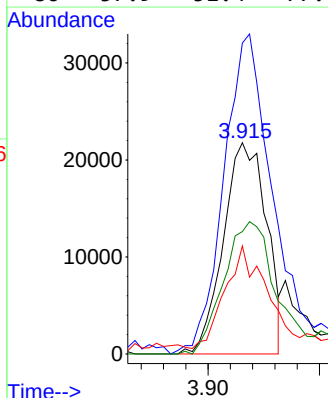
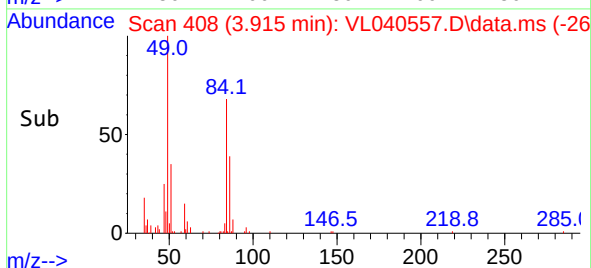
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

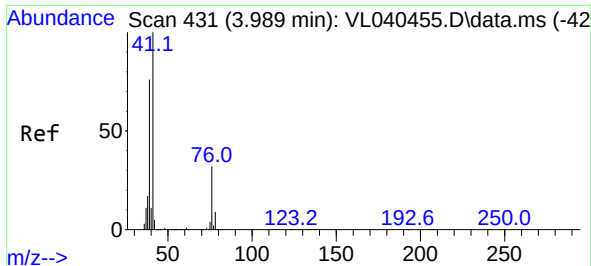


#20
Methylene Chloride
Concen: 0.597 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



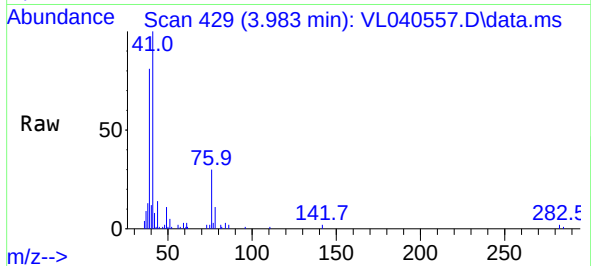
Tgt Ion: 84 Resp: 29295
Ion Ratio Lower Upper
84 100
49 145.5 123.4 185.2
51 46.8 38.3 57.5
86 57.9 51.4 77.0





#21
 Allyl Chloride
 Concen: 0.528 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. -0.022 min
 Lab File: VL040557.D
 Acq: 27 Jul 2023 2:06

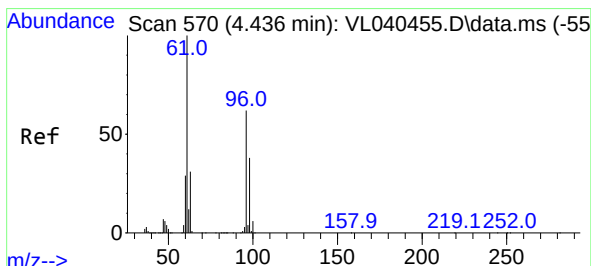
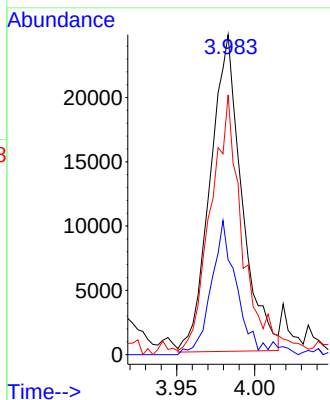
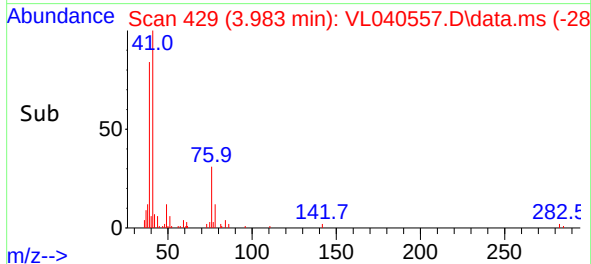
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023



Tgt Ion: 41 Resp: 34789
 Ion Ratio Lower Upper
 41 100
 76 35.8 24.8 37.2
 39 90.7 60.6 91.0

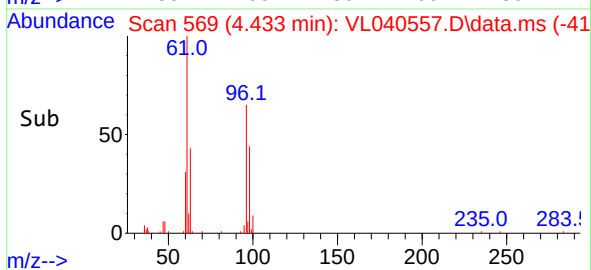
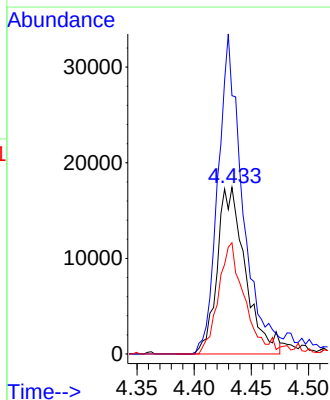
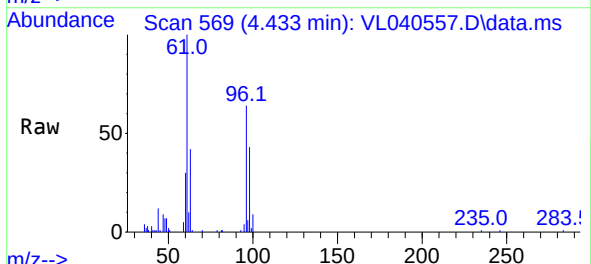
Manual Integrations
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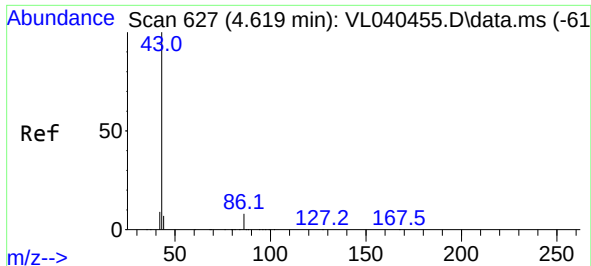
Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.578 ppbv m
 RT: 4.433 min Scan# 569
 Delta R.T. -0.019 min
 Lab File: VL040557.D
 Acq: 27 Jul 2023 2:06

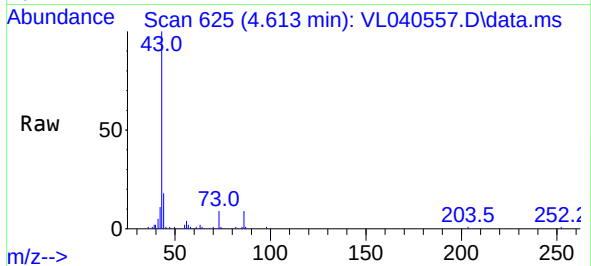
Tgt Ion: 96 Resp: 29856
 Ion Ratio Lower Upper
 96 100
 61 155.1 137.7 206.5
 98 66.8 52.9 79.3





#23
 Vinyl Acetate
 Concen: 0.496 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. -0.022 min
 Lab File: VL040557.D
 Acq: 27 Jul 2023 2:06

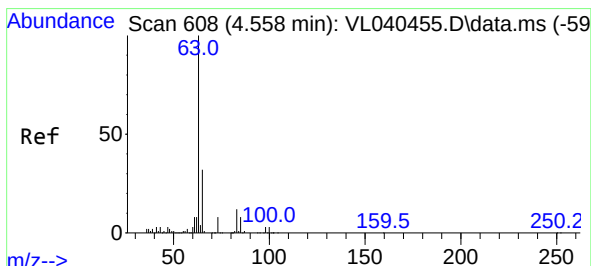
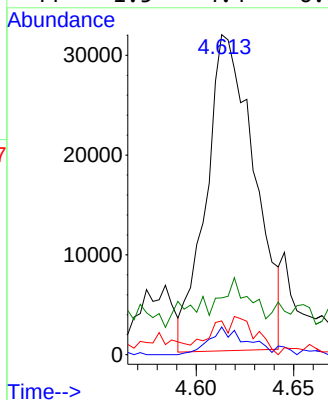
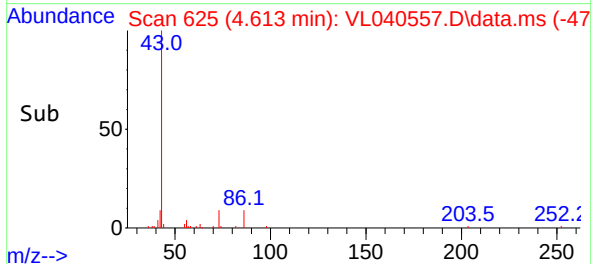
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023



Tgt Ion: 43 Resp: 54500
 Ion Ratio Lower Upper
 43 100
 86 9.8 5.6 8.4
 42 11.9 7.4 11.2
 44 1.5 4.4 6.6

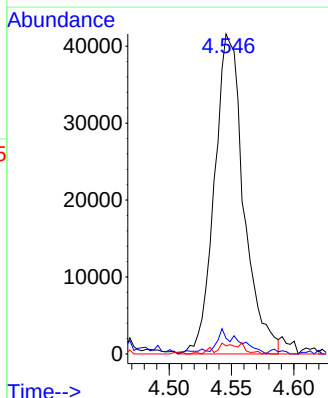
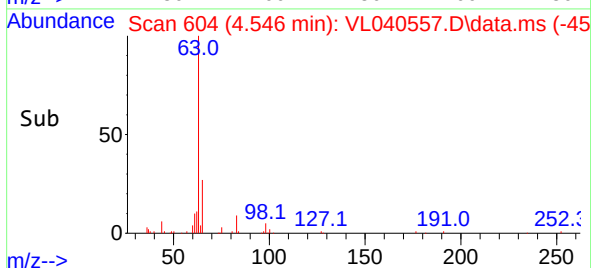
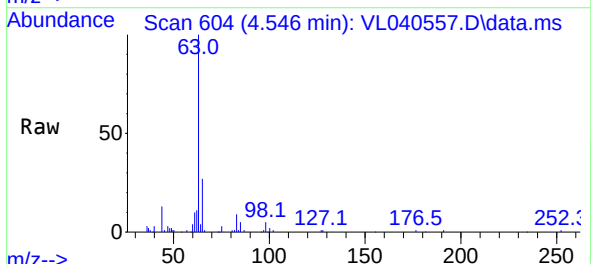
Manual Integrations
 APPROVED

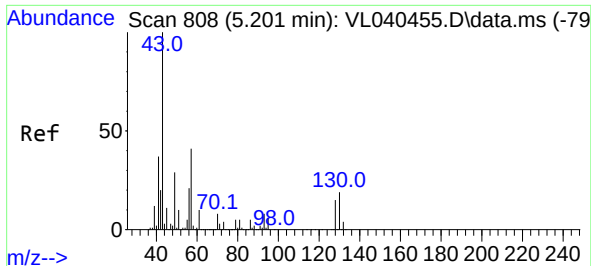
Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023



#24
 1,1-Dichloroethane
 Concen: 0.610 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.026 min
 Lab File: VL040557.D
 Acq: 27 Jul 2023 2:06

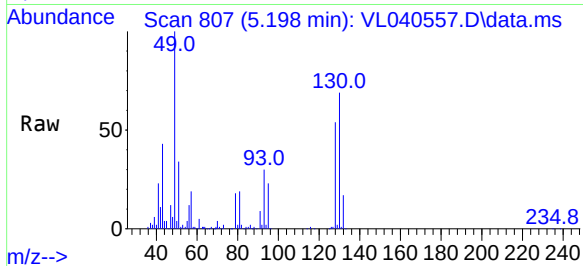
Tgt Ion: 63 Resp: 68035
 Ion Ratio Lower Upper
 63 100
 98 4.5 1.8 5.5
 100 2.5 1.4 4.0





#25
Ethyl Acetate
Concen: 0.502 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

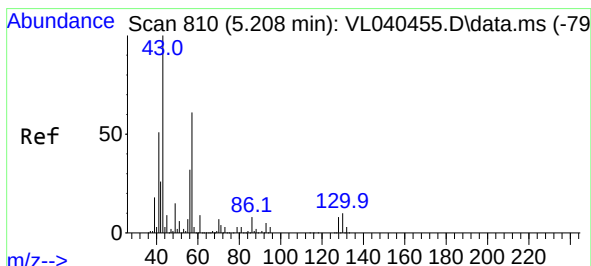
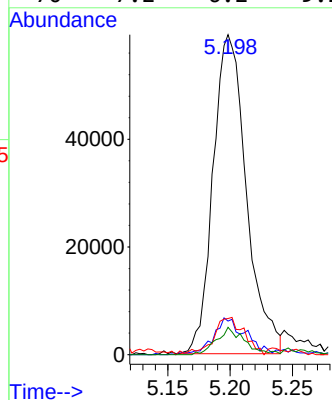
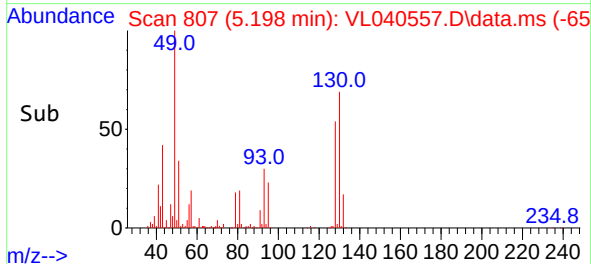
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



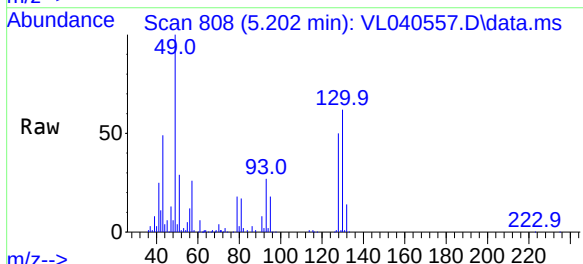
Tgt Ion: 43 Resp: 11016
Ion Ratio Lower Upper
43 100
45 12.6 8.2 12.4
61 12.4 8.3 12.5
70 7.2 6.2 9.2

Manual Integrations
APPROVED

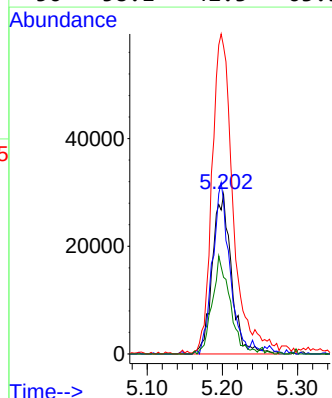
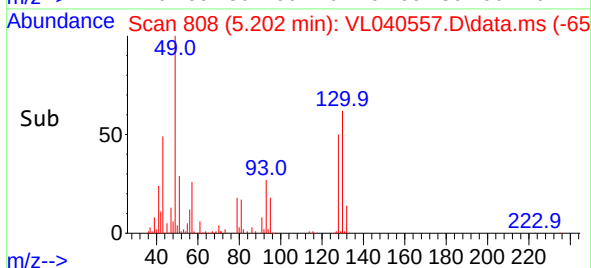
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

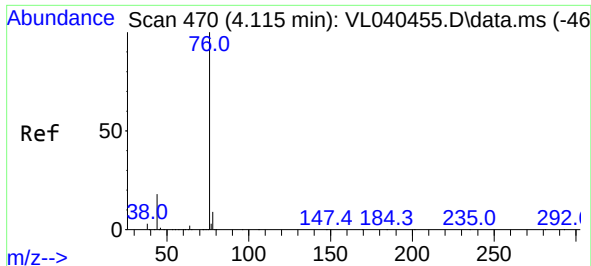


#26
Hexane
Concen: 0.513 ppbv m
RT: 5.202 min Scan# 808
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



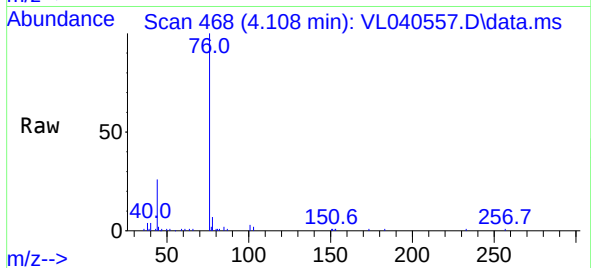
Tgt Ion: 57 Resp: 52307
Ion Ratio Lower Upper
57 100
41 0.0 69.5 104.3#
43 0.0 177.1 265.7#
56 58.1 42.3 63.5





#27
Carbon Disulfide
Concen: 0.501 ppbv
RT: 4.108 min Scan# 401
Delta R.T. -0.022 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

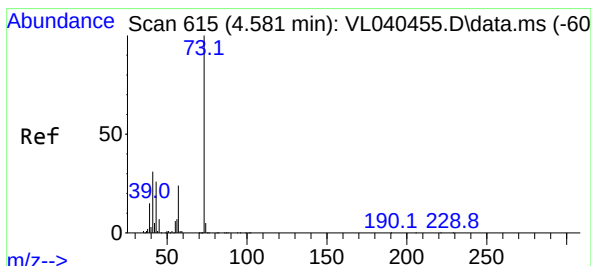
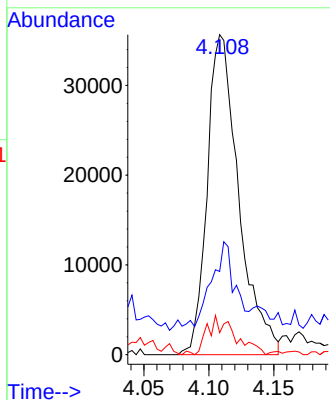
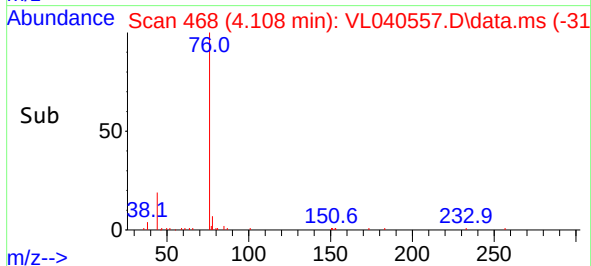
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 76 Resp: 6018
Ion Ratio Lower Upper
76 100
44 25.9 15.1 22.7
78 11.2 7.5 11.3

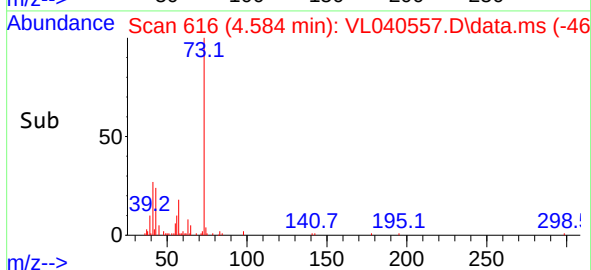
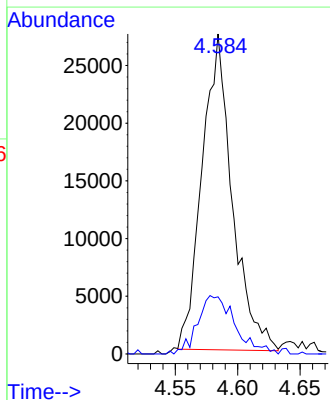
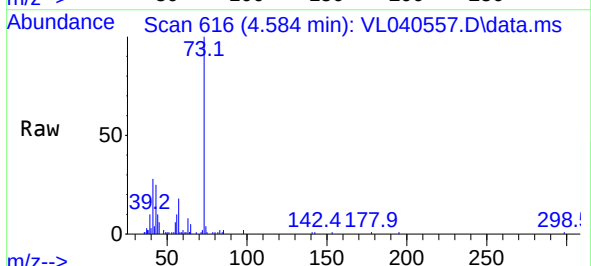
Manual Integrations
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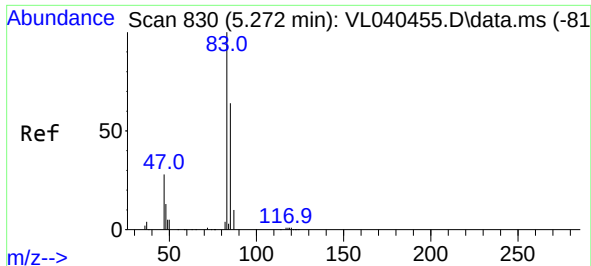
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#28
Methyl tert-Butyl Ether
Concen: 0.562 ppbv
RT: 4.584 min Scan# 616
Delta R.T. -0.010 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion: 73 Resp: 46205
Ion Ratio Lower Upper
73 100
57 23.1 18.8 28.2





#29

Chloroform

Concen: 0.560 ppbv

RT: 5.263 min Scan# 81

Delta R.T. -0.022 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion: 83 Resp: 94810

Ion Ratio Lower Upper

83 100

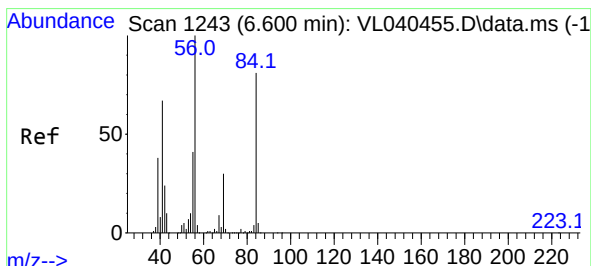
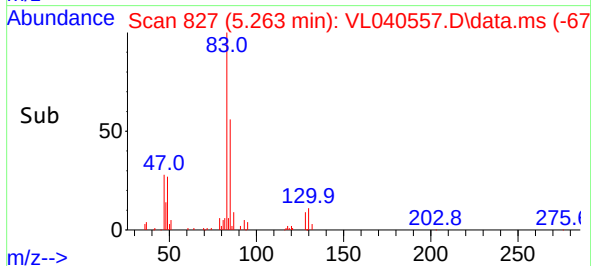
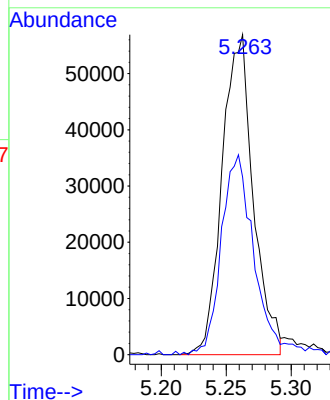
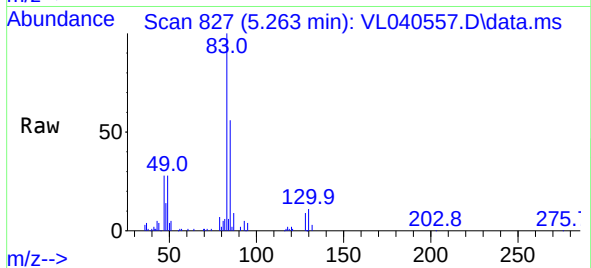
85 55.5 51.1 76.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#30

Cyclohexane

Concen: 0.347 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.022 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

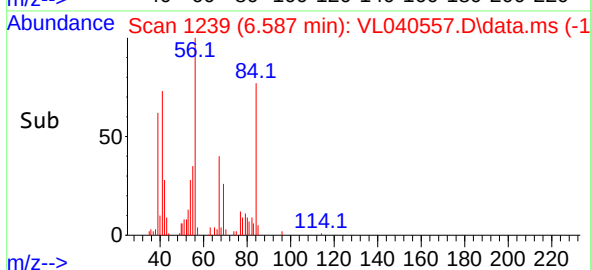
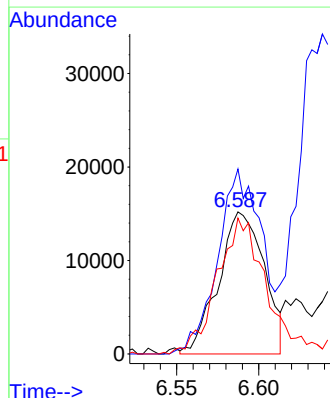
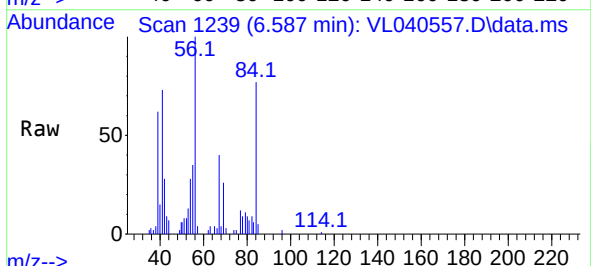
Tgt Ion: 84 Resp: 29444

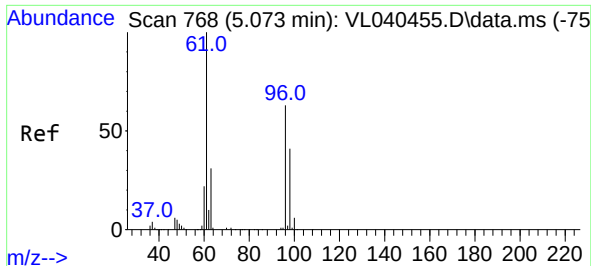
Ion Ratio Lower Upper

84 100

56 124.3 108.7 163.1

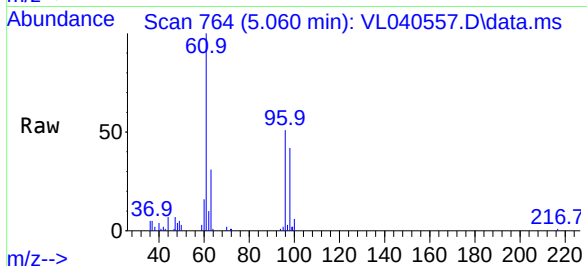
41 106.0 64.5 96.7#





#31
cis-1,2-Dichloroethene
Concen: 0.468 ppbv
RT: 5.060 min Scan# 70
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

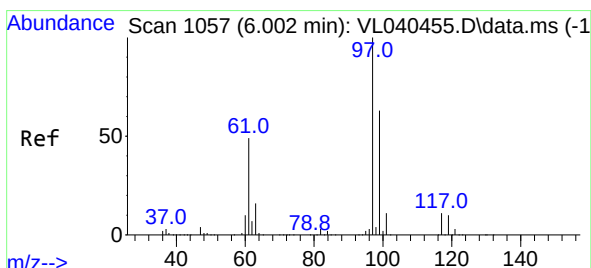
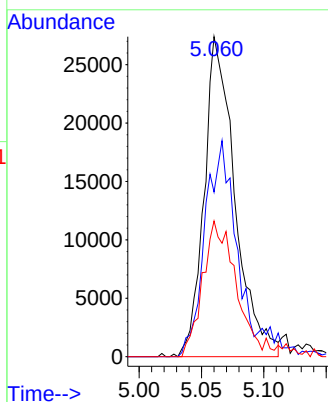
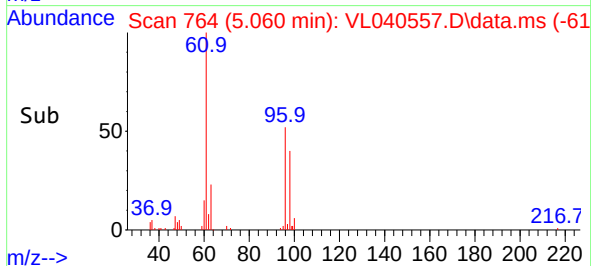
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 61 Resp: 4722
Ion Ratio Lower Upper
61 100
96 51.5 54.7 82.1
98 42.4 34.6 52.0

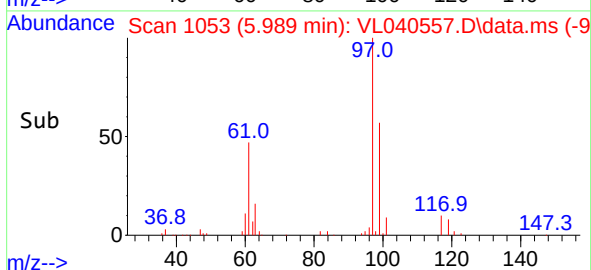
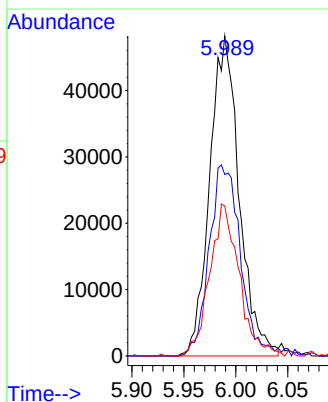
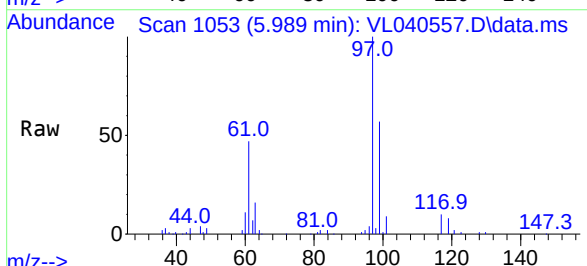
Manual Integrations
APPROVED

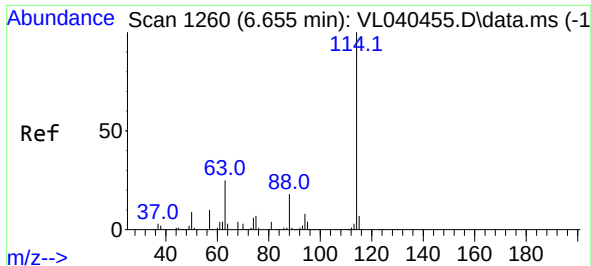
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#32
1,1,1-Trichloroethane
Concen: 0.576 ppbv
RT: 5.989 min Scan# 1053
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion: 97 Resp: 95340
Ion Ratio Lower Upper
97 100
99 63.5 52.0 78.0
61 47.8 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. -0.022 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion:114 Resp: 262121

Ion Ratio Lower Upper

114 100

63 24.9 19.6 29.4

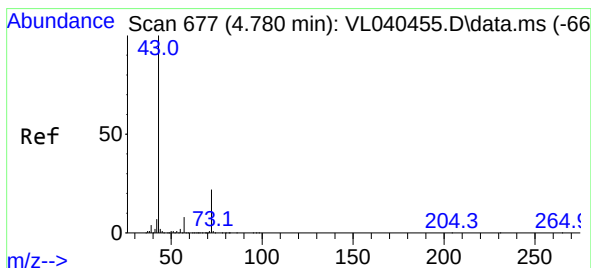
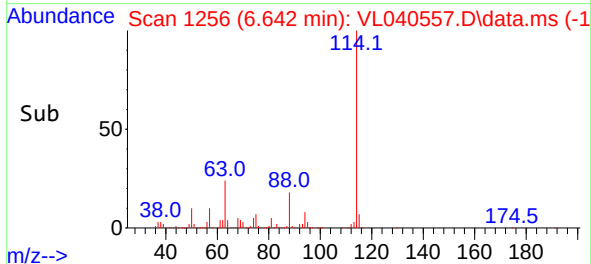
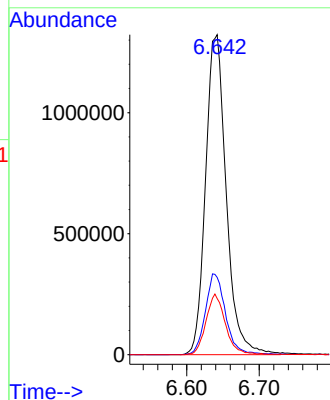
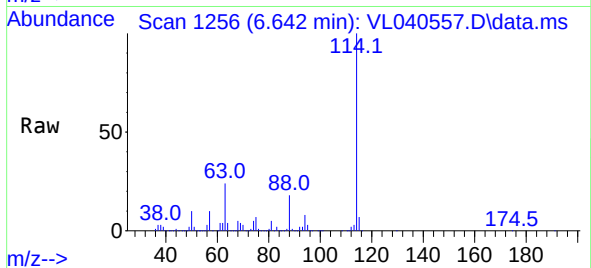
88 18.0 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#34

2-Butanone

Concen: 0.565 ppbv m

RT: 4.780 min Scan# 677

Delta R.T. -0.013 min

Lab File: VL040557.D

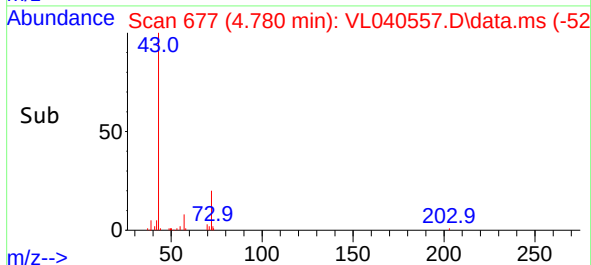
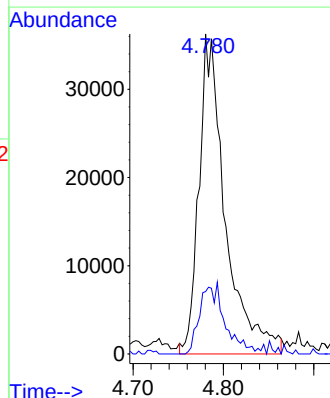
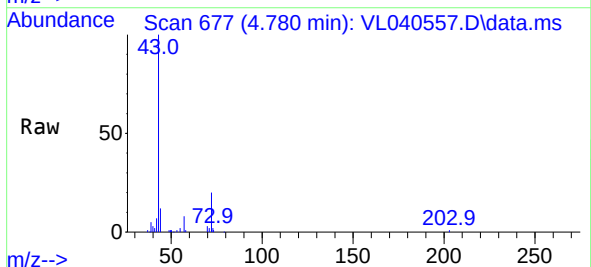
Acq: 27 Jul 2023 2:06

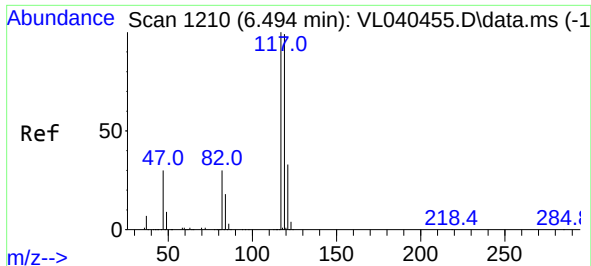
Tgt Ion: 43 Resp: 73151

Ion Ratio Lower Upper

43 100

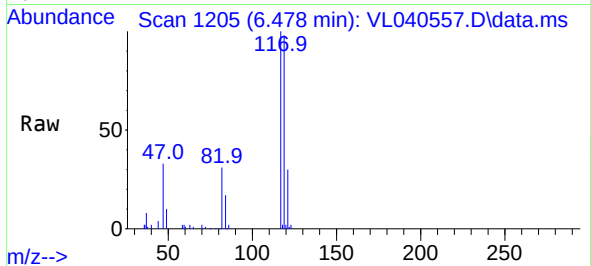
72 0.0 19.1 28.7#





#35
Carbon Tetrachloride
Concen: 0.536 ppbv
RT: 6.478 min Scan# 1167
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

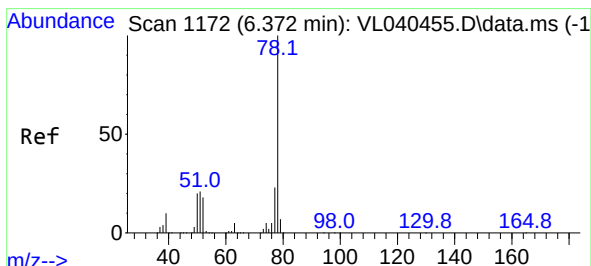
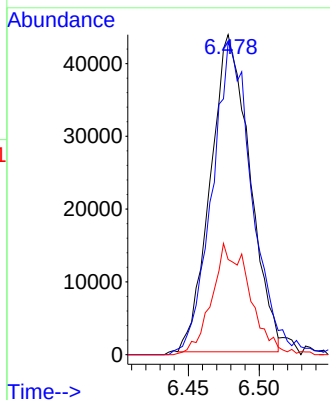
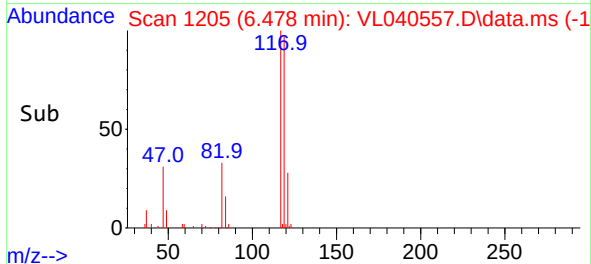
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



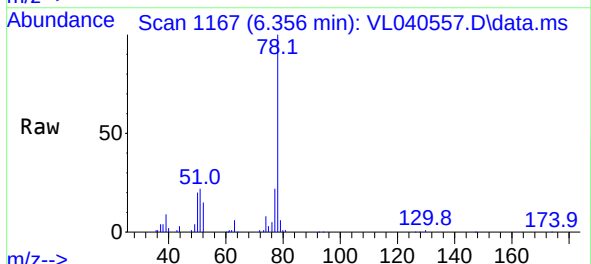
Tgt Ion: 117 Resp: 8447
Ion Ratio Lower Upper
117 100
119 96.6 77.8 116.6
121 29.6 24.8 37.2

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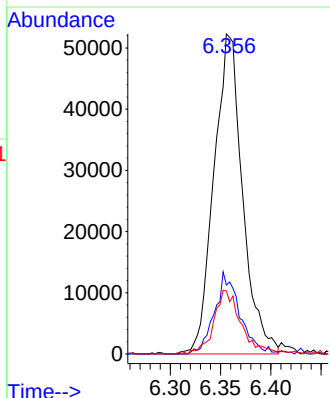
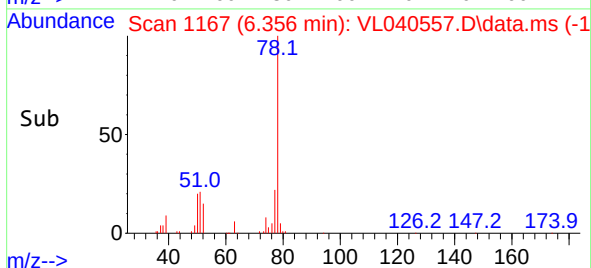
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

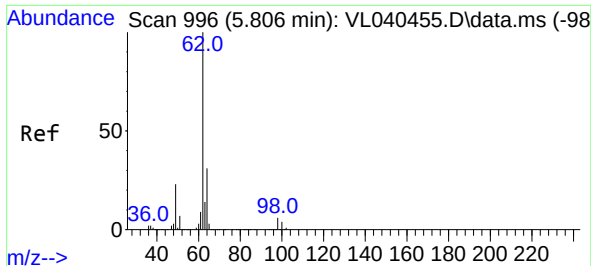


#36
Benzene
Concen: 0.491 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



Tgt Ion: 78 Resp: 103587
Ion Ratio Lower Upper
78 100
77 21.7 17.4 26.0
50 19.4 14.4 21.6





#37

1,2-Dichloroethane

Concen: 0.543 ppbv

RT: 5.790 min Scan# 996

Delta R.T. -0.026 min

Lab File: VL040557.D

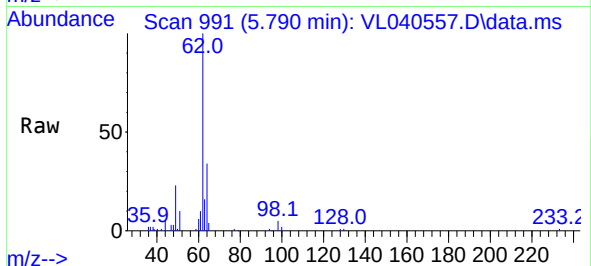
Acq: 27 Jul 2023 2:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023



Tgt Ion: 62 Resp: 6740

Ion Ratio Lower Upper

62 100

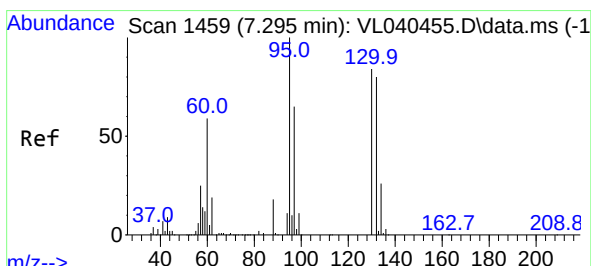
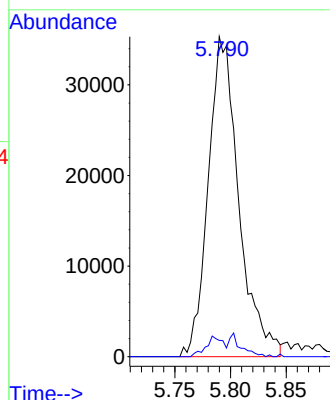
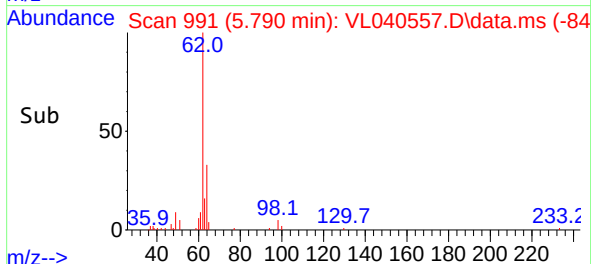
98 6.5 5.1 7.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#38

Trichloroethene

Concen: 0.488 ppbv m

RT: 7.272 min Scan# 1452

Delta R.T. -0.032 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Tgt Ion:130 Resp: 38950

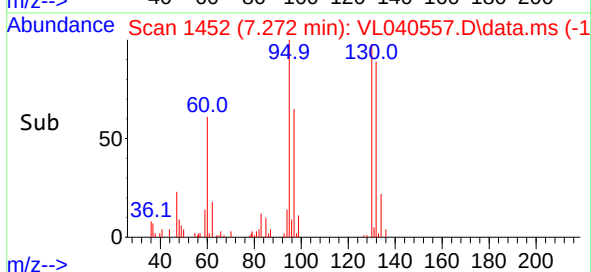
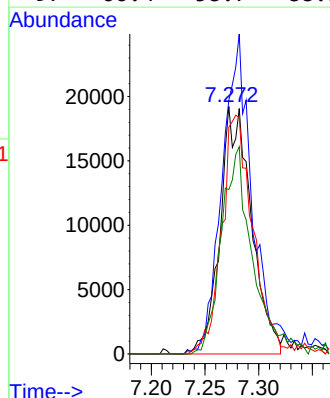
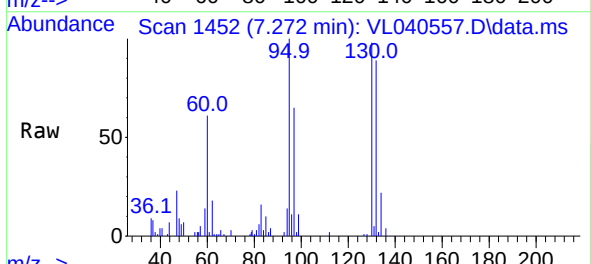
Ion Ratio Lower Upper

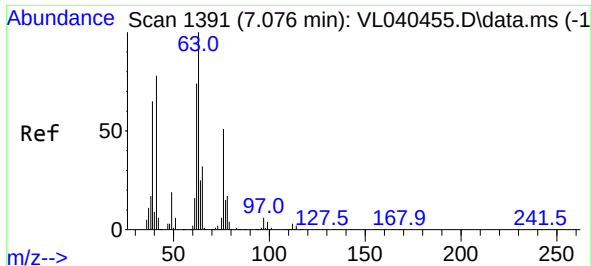
130 100

95 102.5 90.2 135.2

132 91.6 76.3 114.5

97 66.4 58.7 88.1





#39

1,2-Dichloropropane

Concen: 0.484 ppbv m

RT: 7.063 min Scan# 1462

Delta R.T. -0.019 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

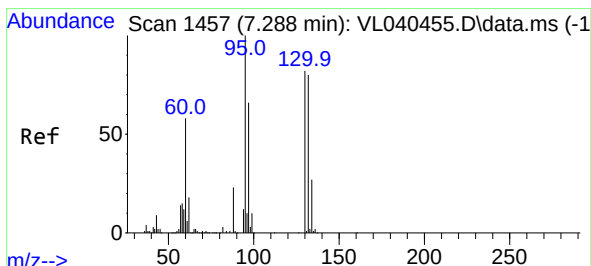
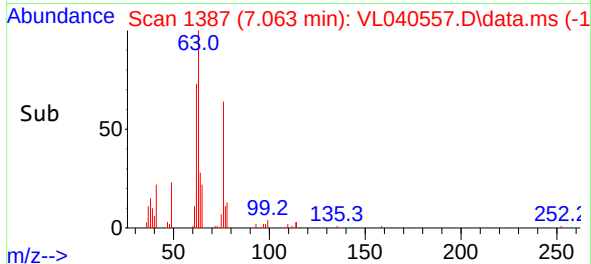
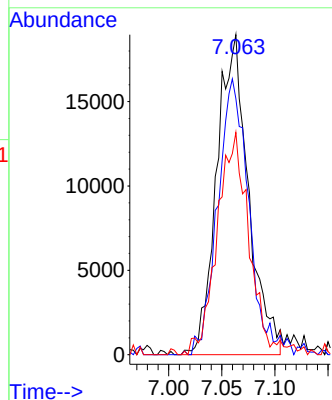
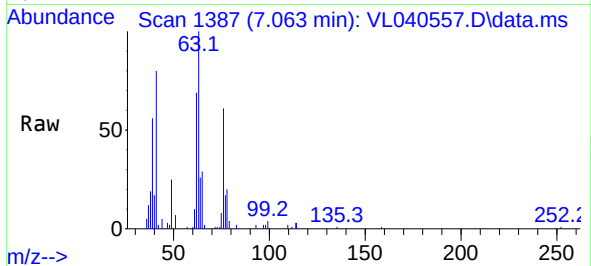
Tgt Ion: 63 Resp: 39298

Ion	Ratio	Lower	Upper
63	100		
41	80.0	54.3	81.5
62	69.5	55.6	83.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#40

1,4-Dioxane

Concen: 0.565 ppbv m

RT: 7.304 min Scan# 1462

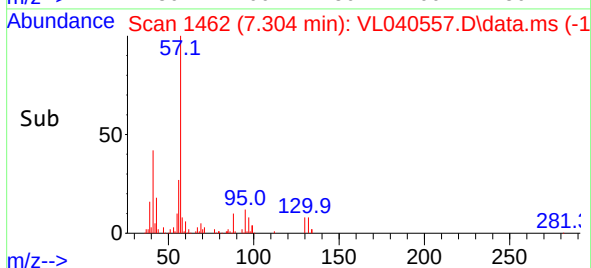
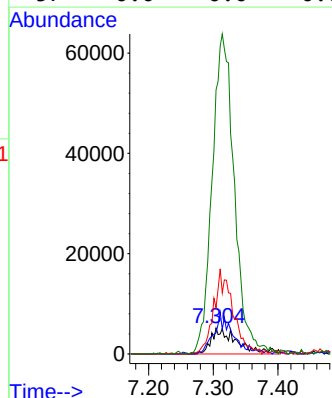
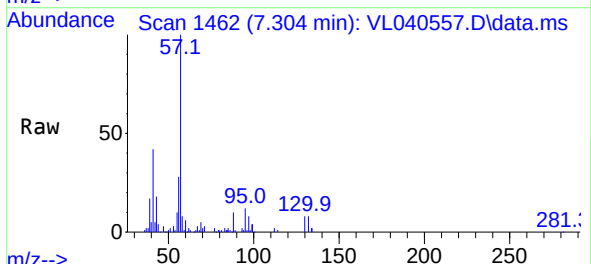
Delta R.T. 0.006 min

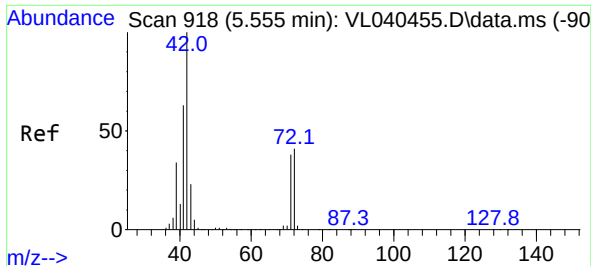
Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Tgt Ion: 88 Resp: 14345

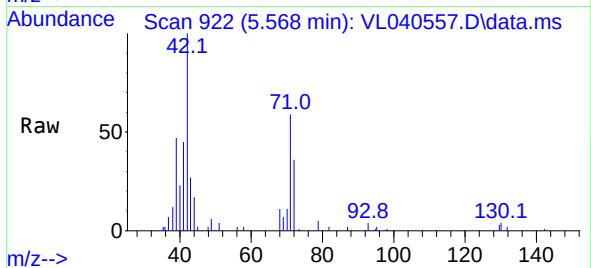
Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.6	88.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.401 ppbv
RT: 5.568 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

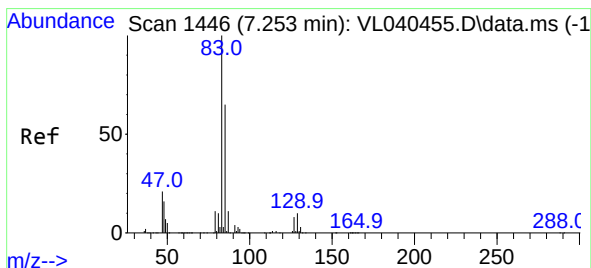
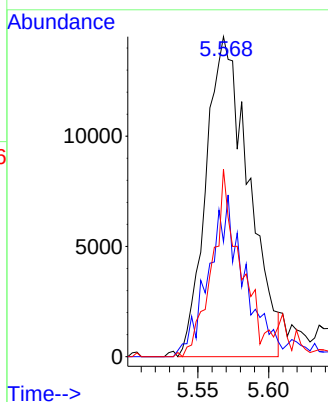
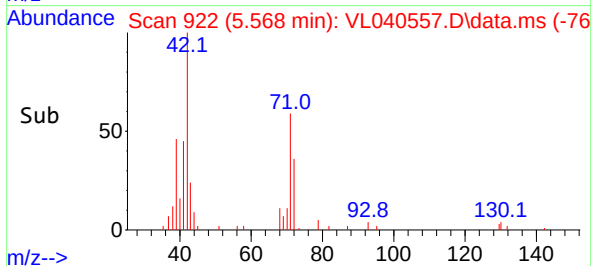
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 42 Resp: 30298
Ion Ratio Lower Upper
42 100
72 45.4 33.8 50.8
71 44.7 33.0 49.6

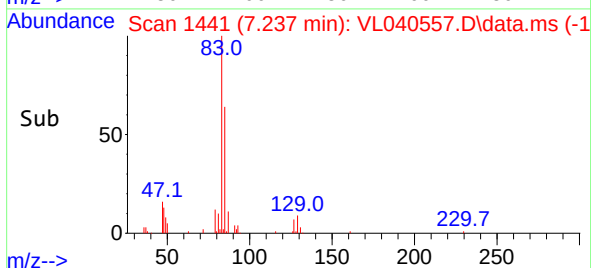
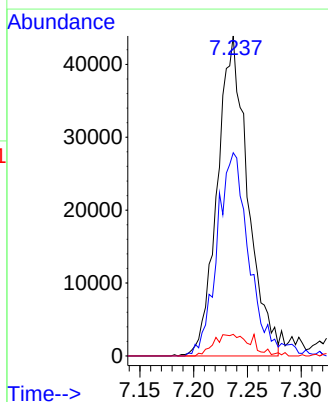
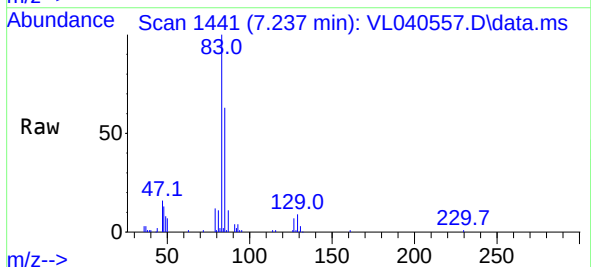
Manual Integrations
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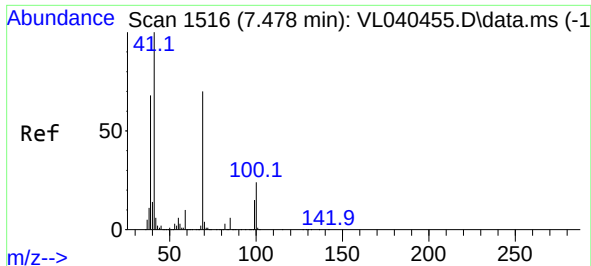
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#42
Bromodichloromethane
Concen: 0.502 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion: 83 Resp: 86545
Ion Ratio Lower Upper
83 100
85 63.5 51.1 76.7
127 6.8 6.5 9.7





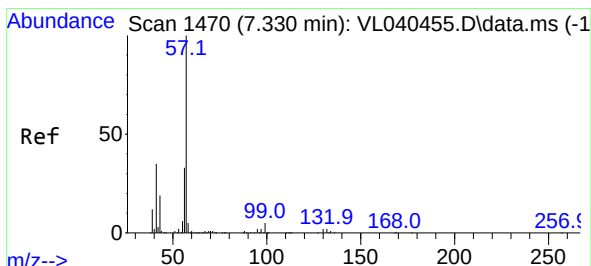
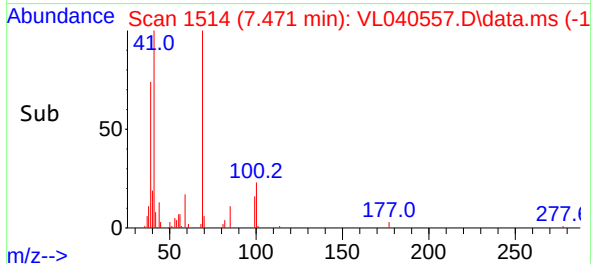
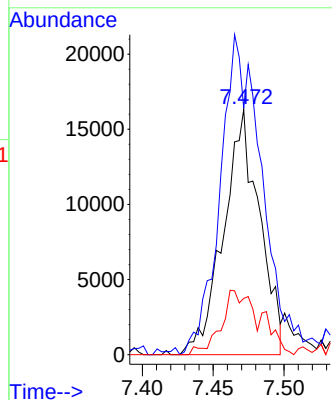
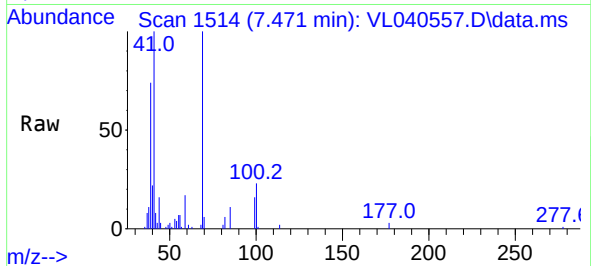
#43
Methyl Methacrylate
Concen: 0.365 ppbv
RT: 7.471 min Scan# 1465
Delta R.T. -0.013 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 69 Resp: 28810
Ion Ratio Lower Upper
69 100
41 153.1 111.7 167.5
100 30.4 26.9 40.3

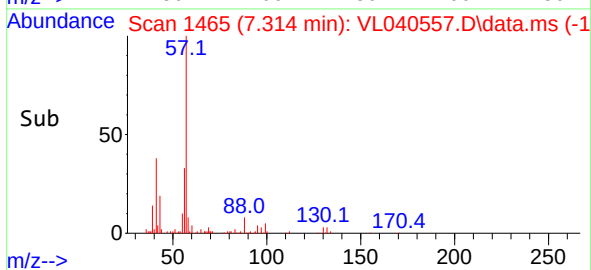
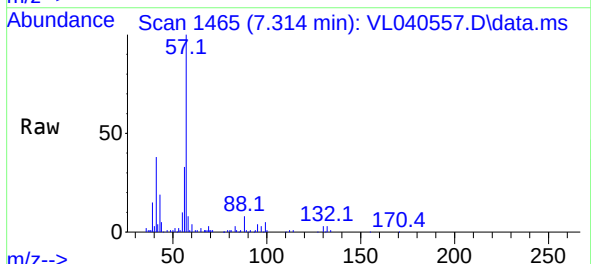
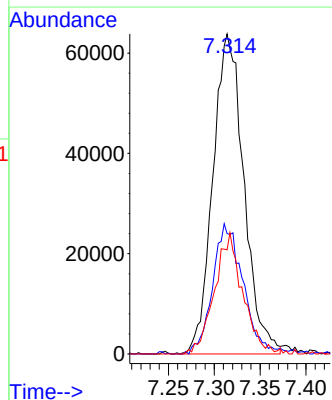
Manual Integrations
APPROVED

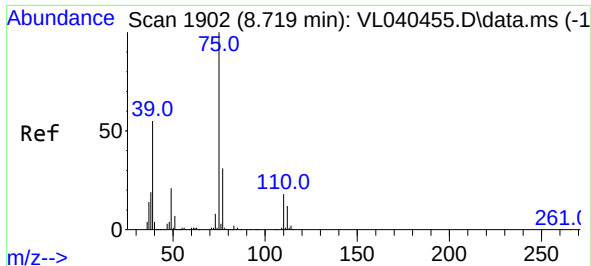
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#44
2,2,4-Trimethylpentane
Concen: 0.442 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion: 57 Resp: 149835
Ion Ratio Lower Upper
57 100
41 40.3 25.5 38.3#
56 34.7 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.353 ppbv m

RT: 8.700 min Scan# 1719

Delta R.T. -0.023 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion: 75 Resp: 1788

Ion Ratio Lower Upper

75 100

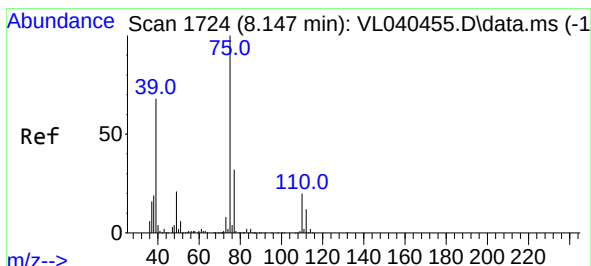
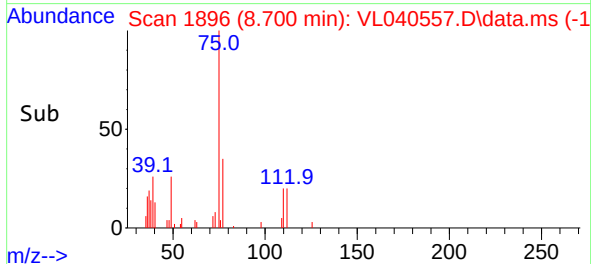
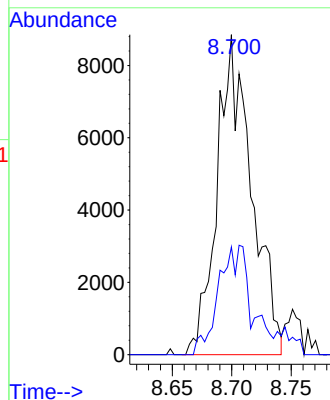
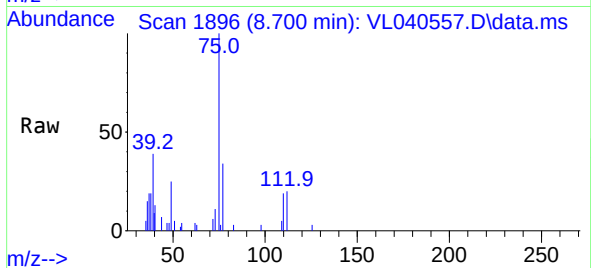
77 33.7 26.0 39.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#46

cis-1,3-Dichloropropene

Concen: 0.341 ppbv m

RT: 8.131 min Scan# 1719

Delta R.T. -0.023 min

Lab File: VL040557.D

Acq: 27 Jul 2023 2:06

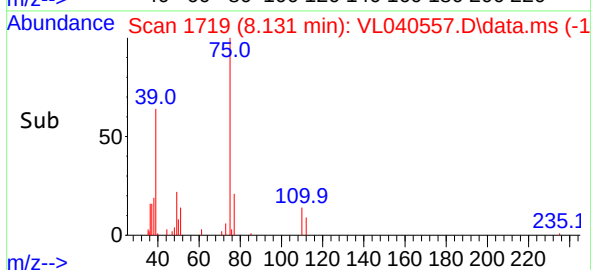
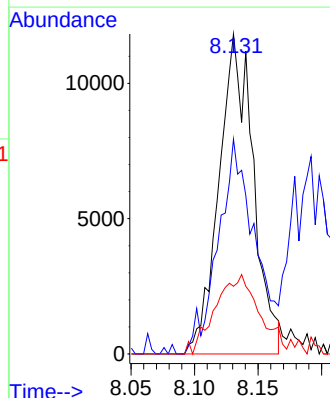
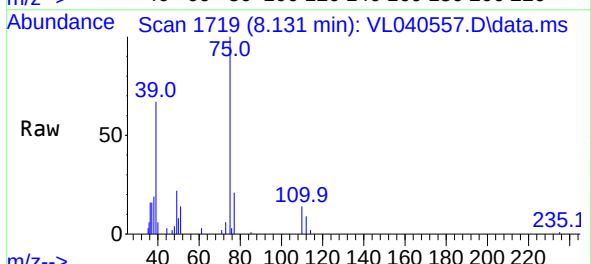
Tgt Ion: 75 Resp: 22131

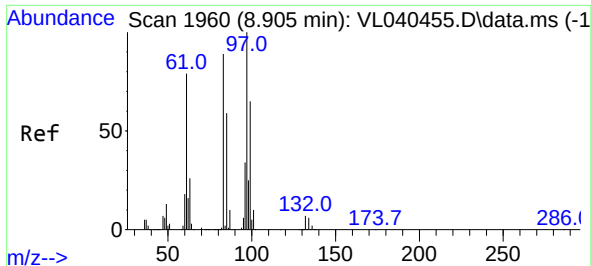
Ion Ratio Lower Upper

75 100

39 67.2 48.0 72.0

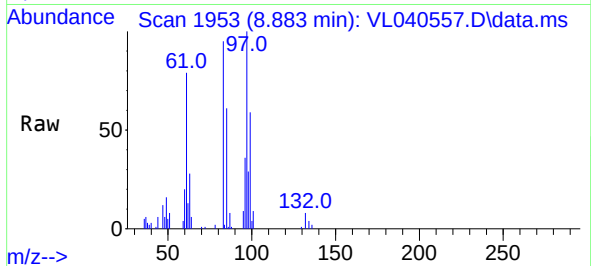
77 21.1 24.0 36.0





#47
1,1,2-Trichloroethane
Concen: 0.501 ppbv m
RT: 8.883 min Scan# 1960
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

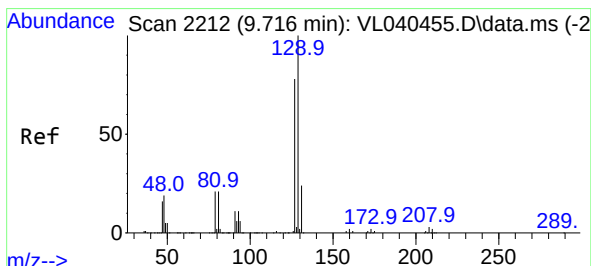
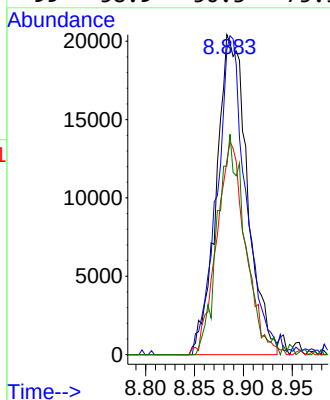
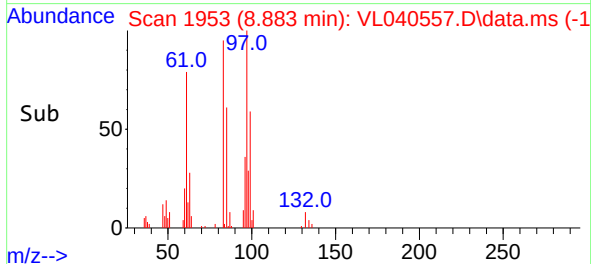
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 97 Resp: 44894
Ion Ratio Lower Upper
97 100
83 95.4 73.4 110.0
85 60.5 46.6 70.0
99 58.9 50.3 75.5

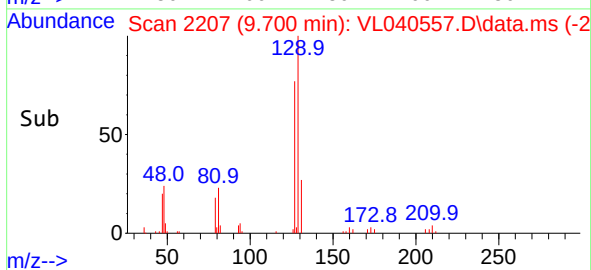
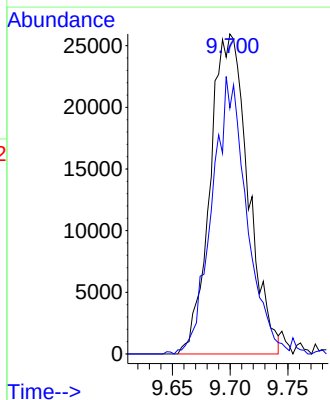
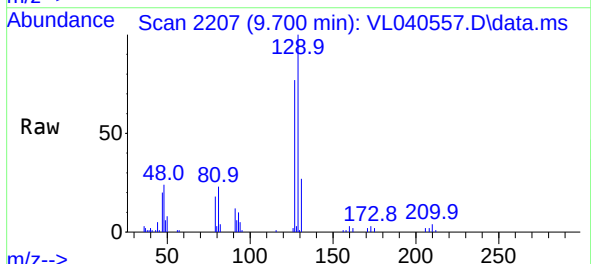
Manual Integrations
APPROVED

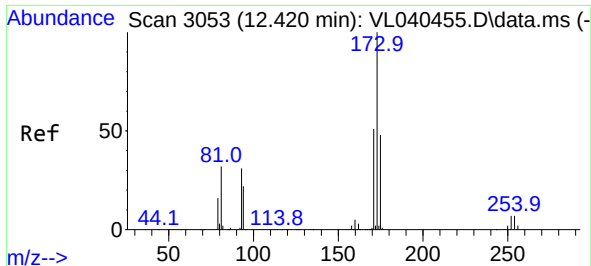
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#48
Dibromochloromethane
Concen: 0.428 ppbv
RT: 9.700 min Scan# 2207
Delta R.T. -0.022 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion:129 Resp: 59275
Ion Ratio Lower Upper
129 100
127 79.9 39.1 117.3





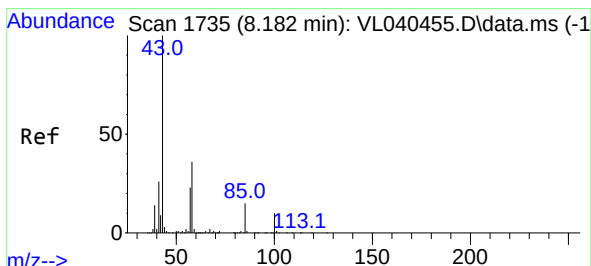
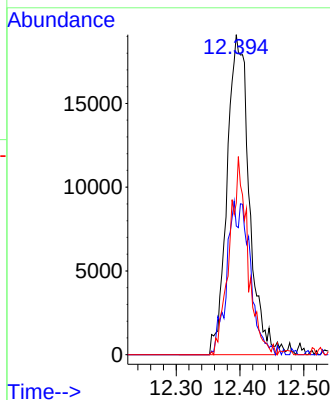
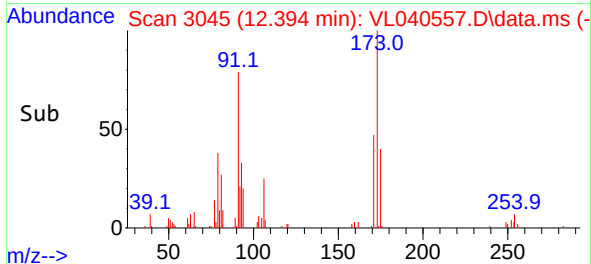
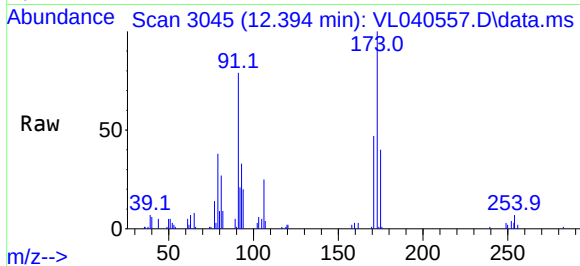
#49
Bromoform
Concen: 0.416 ppbv m
RT: 12.394 min Scan# 3053
Delta R.T. -0.029 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion:173 Resp: 45724
Ion Ratio Lower Upper
173 100
175 50.9 39.5 59.3
171 52.6 42.2 63.4

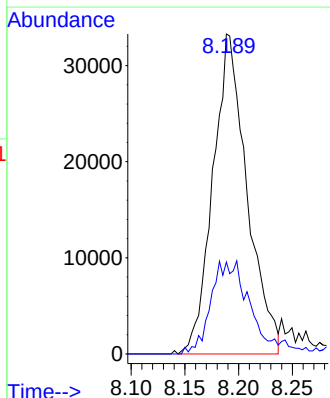
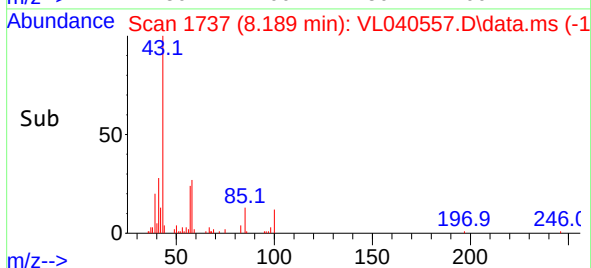
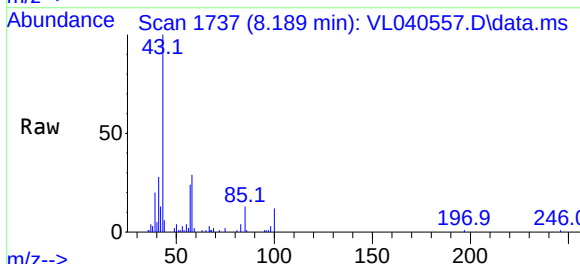
Manual Integrations
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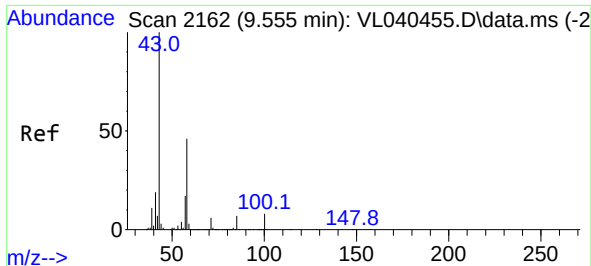
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#50
4-Methyl-2-Pentanone
Concen: 0.391 ppbv
RT: 8.189 min Scan# 1737
Delta R.T. -0.003 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

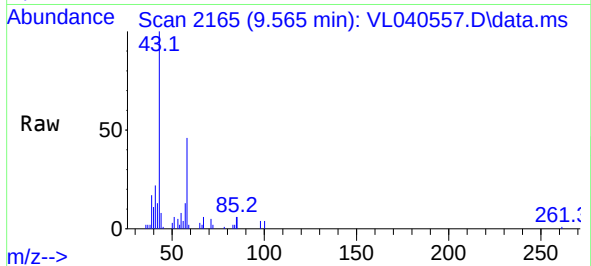
Tgt Ion: 43 Resp: 73519
Ion Ratio Lower Upper
43 100
58 34.9 30.2 45.2





#51
2-Hexanone
Concen: 0.312 ppbv m
RT: 9.565 min Scan# 2162
Delta R.T. 0.004 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

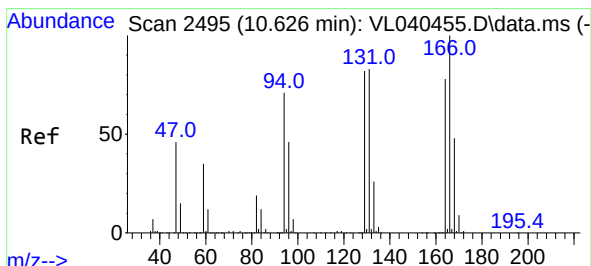
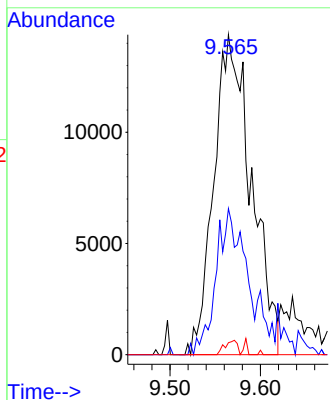
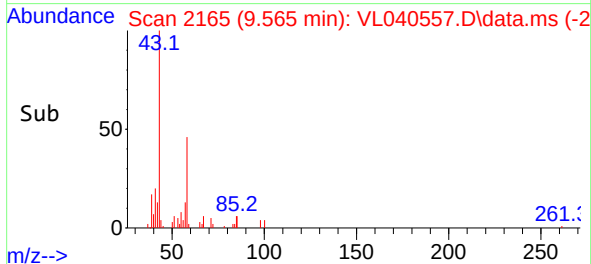
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



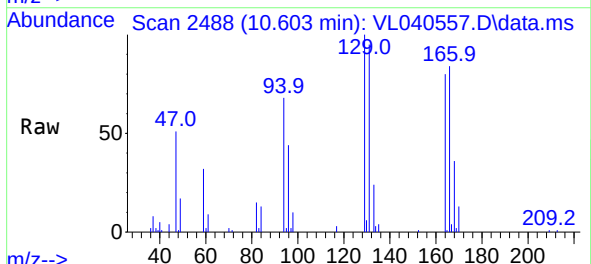
Tgt Ion: 43 Resp: 4147
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5
98 0.0 0.3 0.5

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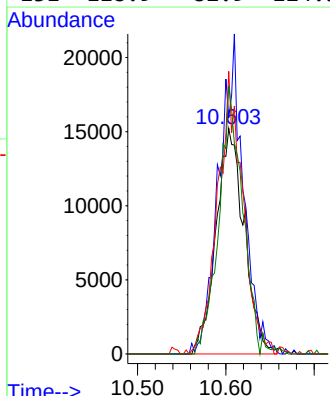
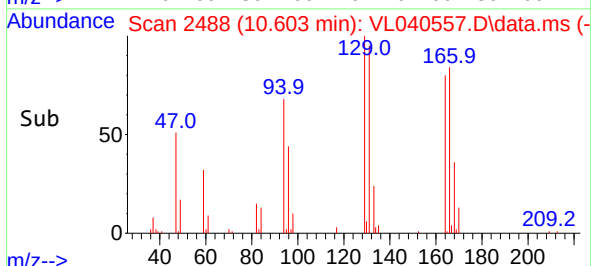
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

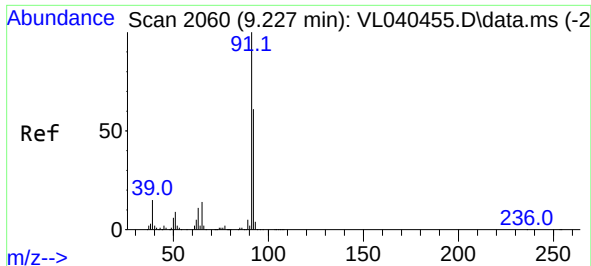


#52
Tetrachloroethene
Concen: 0.493 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



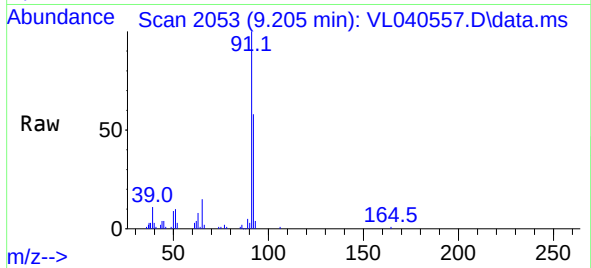
Tgt Ion:164 Resp: 33683
Ion Ratio Lower Upper
164 100
166 104.8 103.9 155.9
129 125.3 84.6 126.8
131 118.9 82.9 124.3





#53
Toluene
Concen: 0.361 ppbv m
RT: 9.205 min Scan# 2060
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

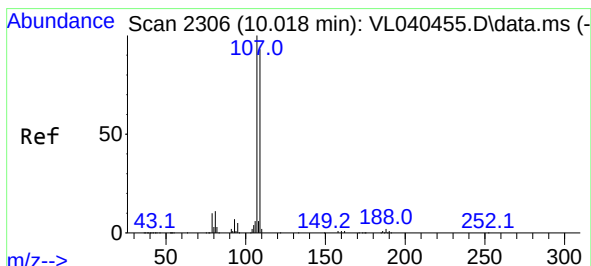
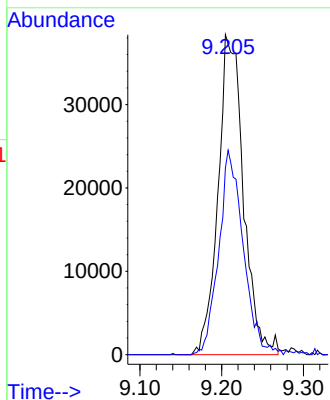
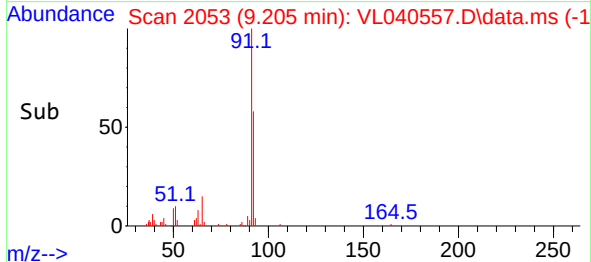
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 91 Resp: 82735
Ion Ratio Lower Upper
91 100
92 62.5 49.1 73.7

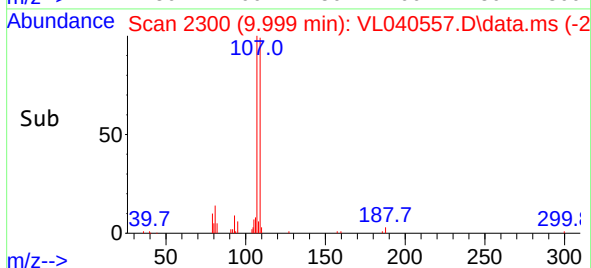
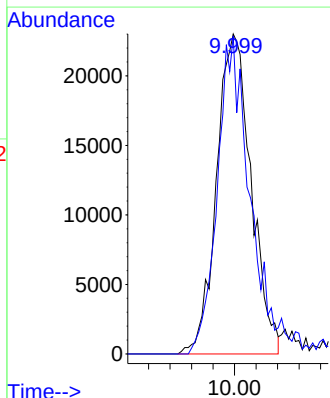
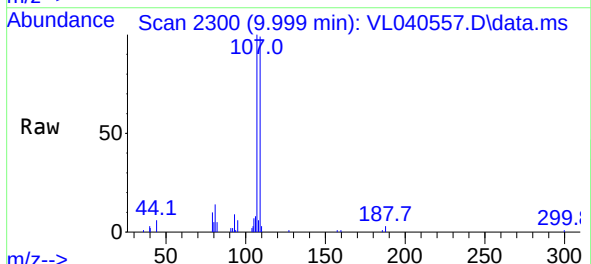
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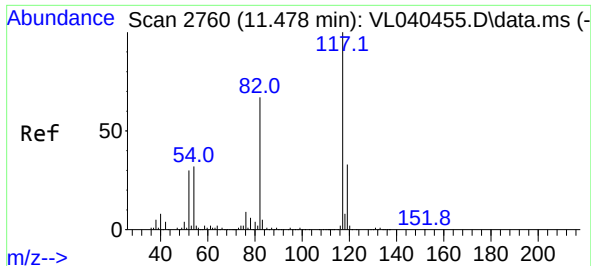
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#54
1,2-Dibromoethane
Concen: 0.460 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

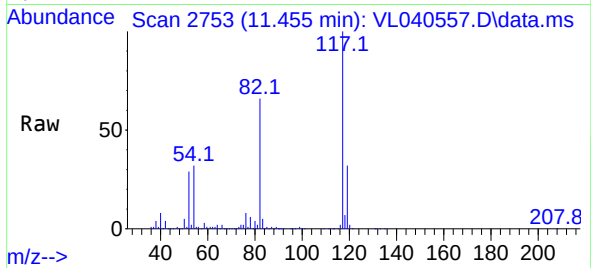
Tgt Ion:107 Resp: 51261
Ion Ratio Lower Upper
107 100
109 99.4 75.4 113.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

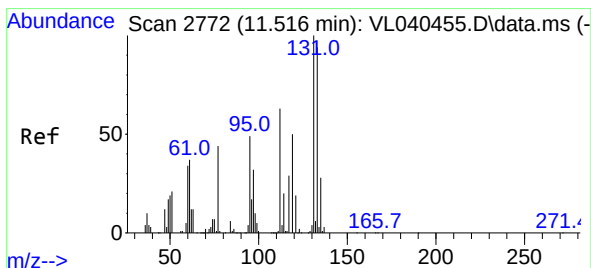
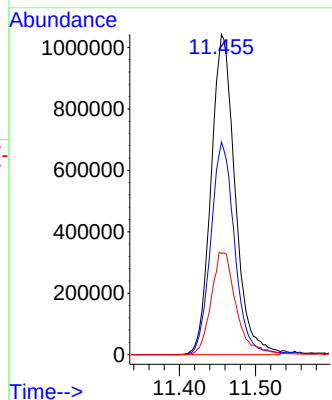
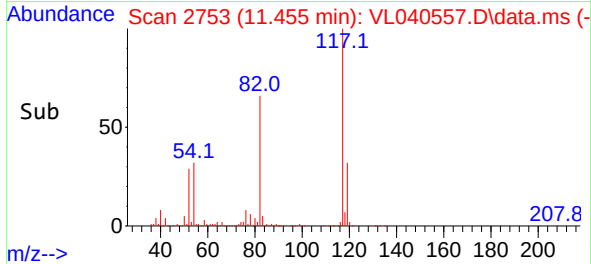
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



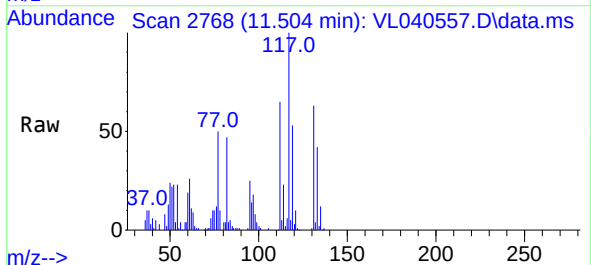
Tgt Ion:117 Resp: 228852
Ion Ratio Lower Upper
117 100
82 66.8 50.2 75.4
119 33.4 26.9 40.3

Manual Integrations
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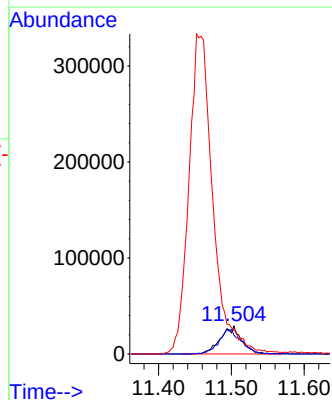
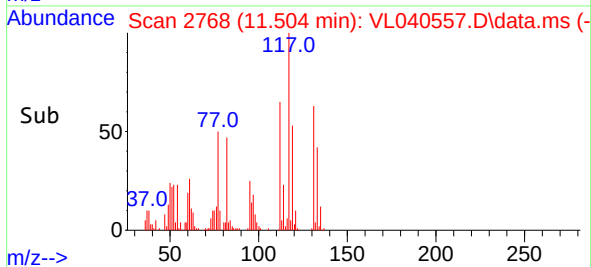
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

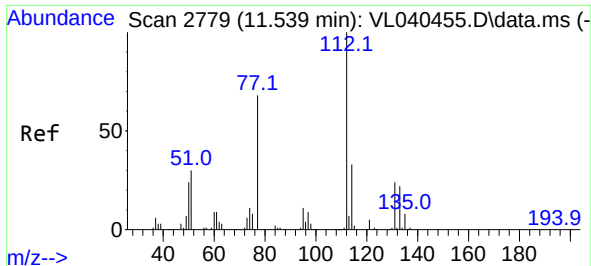


#56
1,1,1,2-Tetrachloroethane
Concen: 0.567 ppbv m
RT: 11.504 min Scan# 2768
Delta R.T. -0.016 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



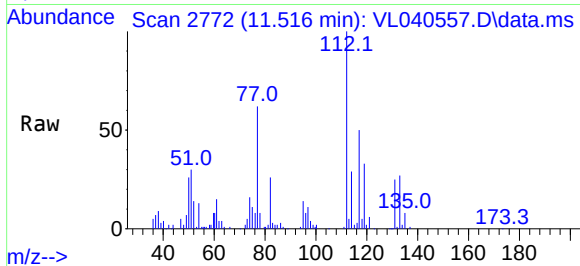
Tgt Ion:131 Resp: 58114
Ion Ratio Lower Upper
131 100
133 93.1 76.3 114.5
119 0.0 51.1 76.7#





#57
Chlorobenzene
Concen: 0.533 ppbv
RT: 11.516 min Scan# 211
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

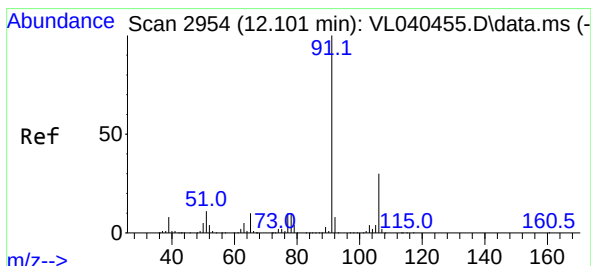
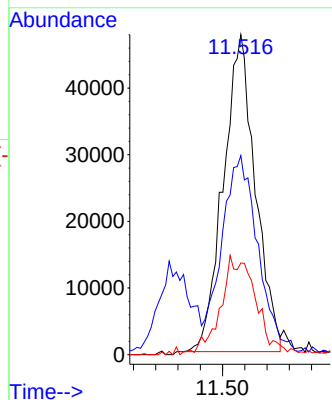
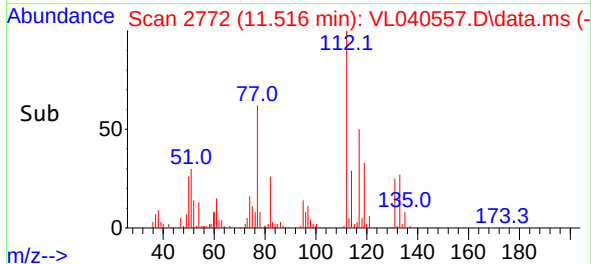
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 112 Resp: 9504
Ion Ratio Lower Upper
112 100
77 57.9 51.0 76.6
114 28.9 28.3 34.5

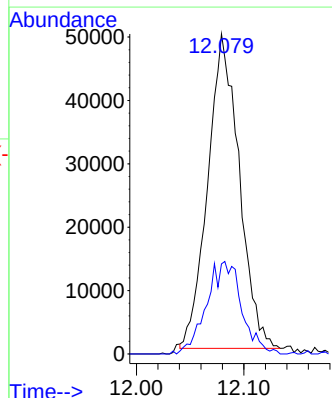
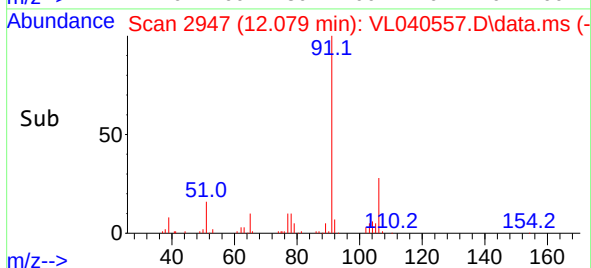
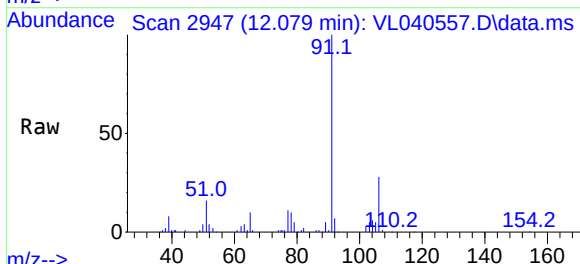
Manual Integrations
APPROVED

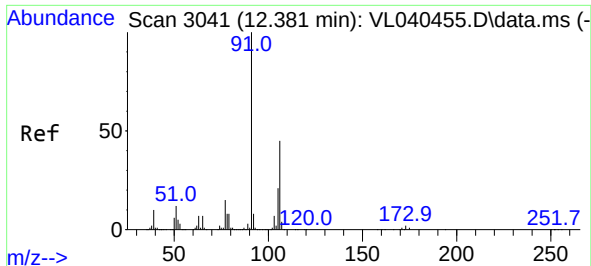
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#58
Ethyl Benzene
Concen: 0.351 ppbv
RT: 12.079 min Scan# 2947
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

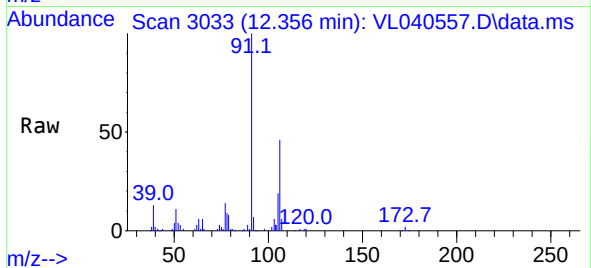
Tgt Ion: 91 Resp: 100799
Ion Ratio Lower Upper
91 100
106 28.7 25.4 38.0





#59
m/p-Xylene
Concen: 0.849 ppbv m
RT: 12.356 min Scan# 3041
Delta R.T. -0.029 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

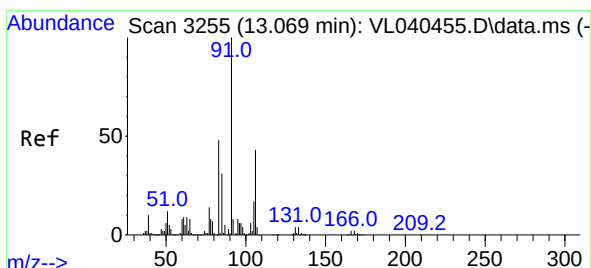
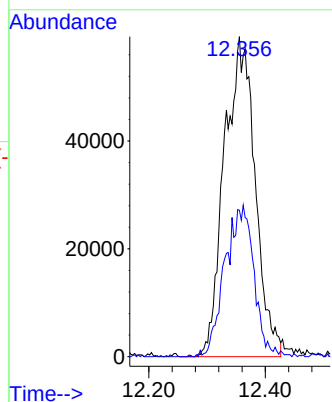
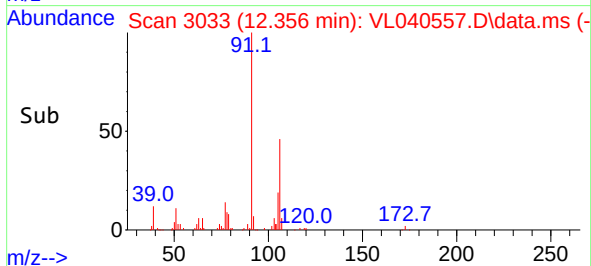
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 91 Resp: 21758
Ion Ratio Lower Upper
91 100
106 44.7 35.9 53.9

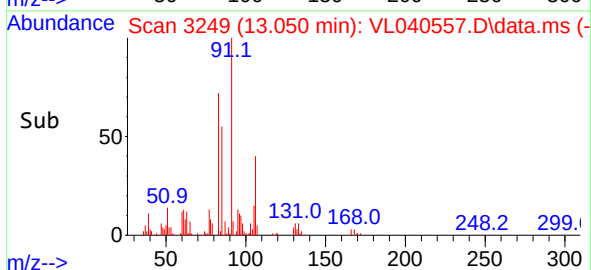
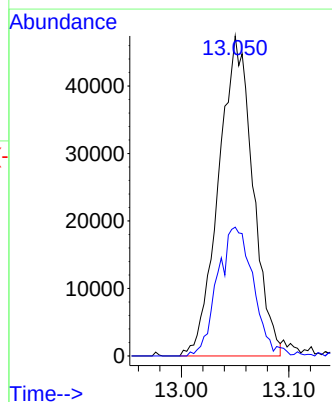
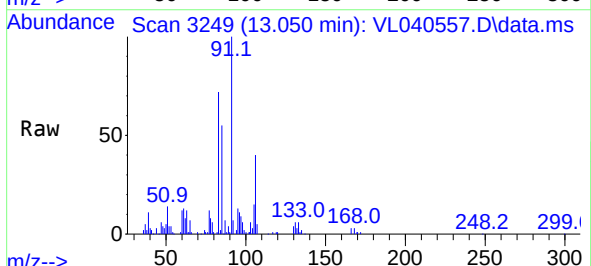
Manual Integrations
APPROVED

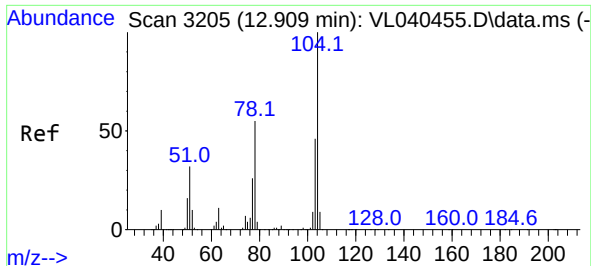
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#60
o-Xylene
Concen: 0.430 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion: 91 Resp: 104954
Ion Ratio Lower Upper
91 100
106 42.6 22.7 68.0





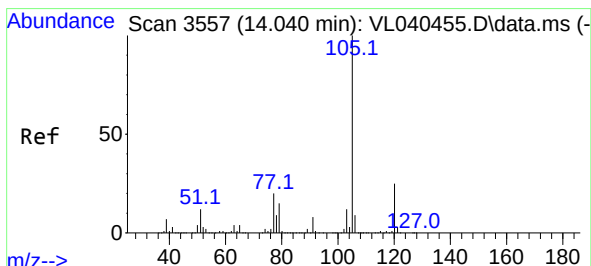
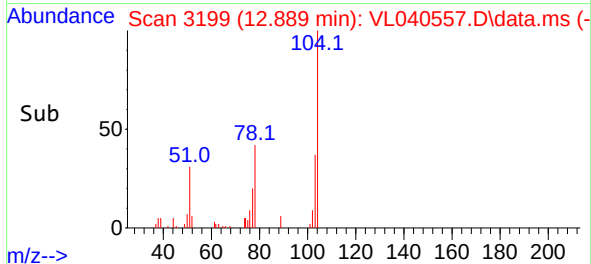
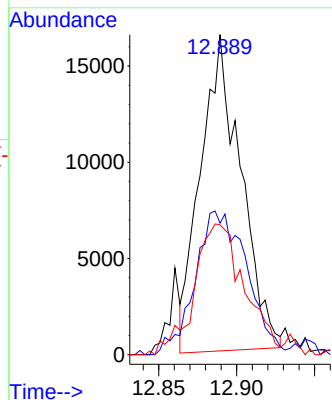
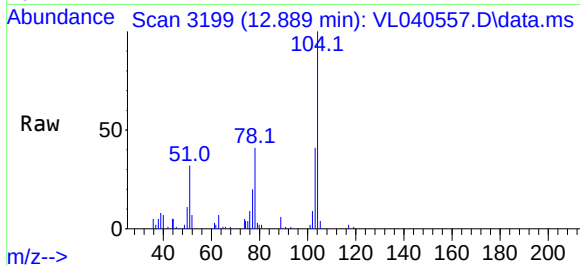
#61
Styrene
Concen: 0.263 ppbv
RT: 12.889 min Scan# 3199
Delta R.T. -0.022 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion:104 Resp: 29624
Ion Ratio Lower Upper
104 100
78 61.2 40.1 60.1
103 54.0 37.0 55.4

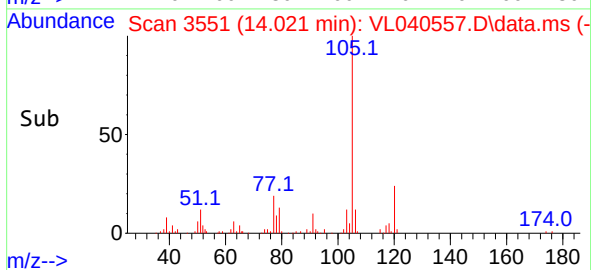
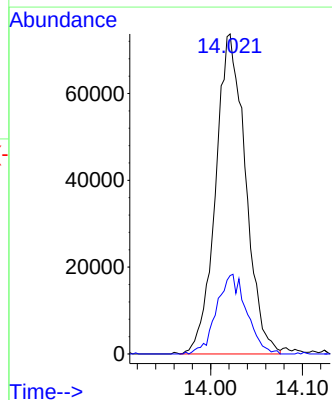
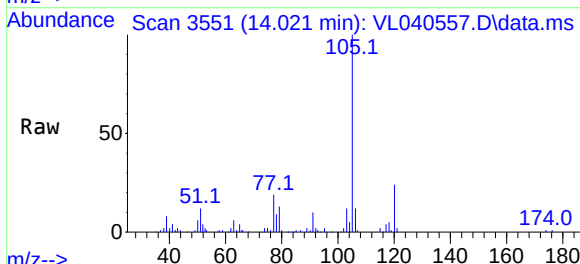
Manual Integrations
APPROVED

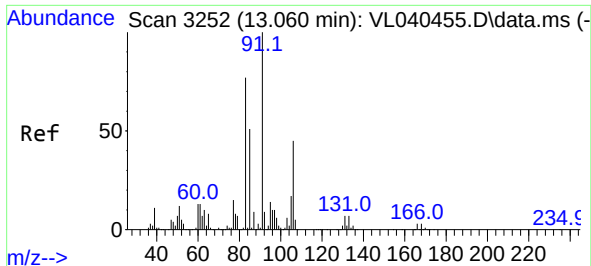
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#62
Isopropylbenzene
Concen: 0.456 ppbv
RT: 14.021 min Scan# 3551
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

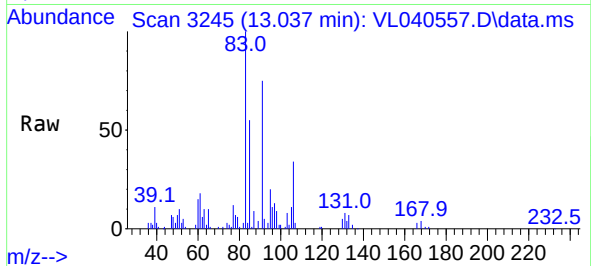
Tgt Ion:105 Resp: 166778
Ion Ratio Lower Upper
105 100
120 25.0 20.8 31.2





#63
1,1,2,2-Tetrachloroethane
Concen: 0.543 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

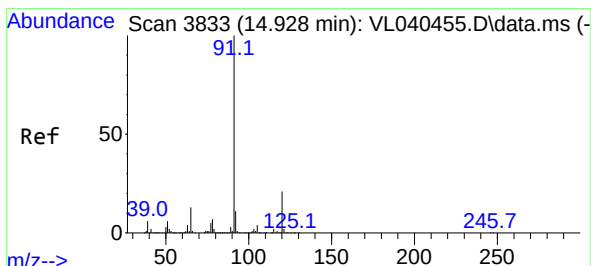
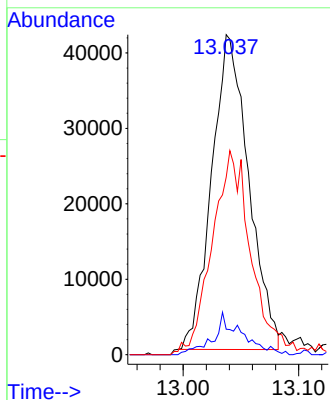
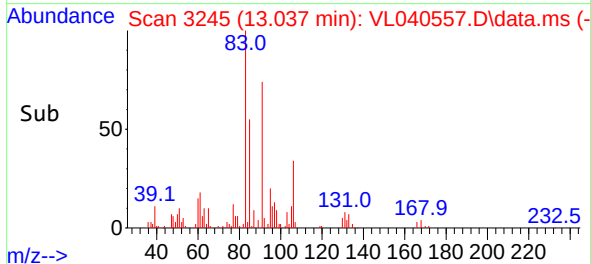
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



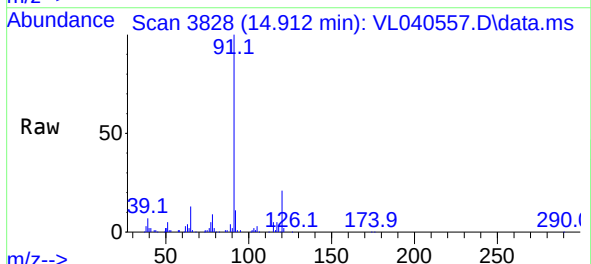
Tgt Ion: 83 Resp: 92908
Ion Ratio Lower Upper
83 100
131 10.3 4.6 13.8
85 69.7 32.8 98.3

Manual Integrations
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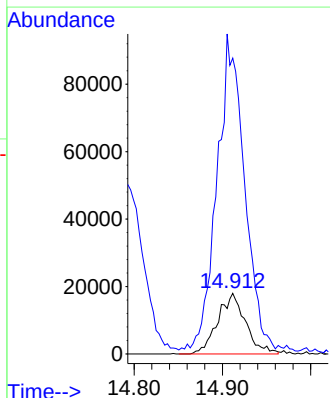
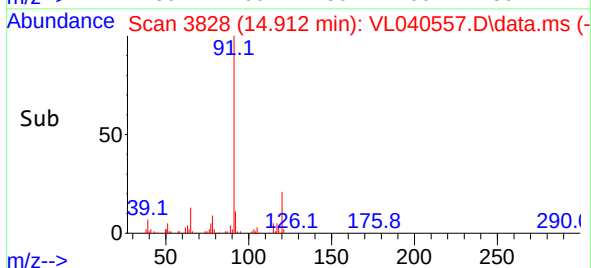
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

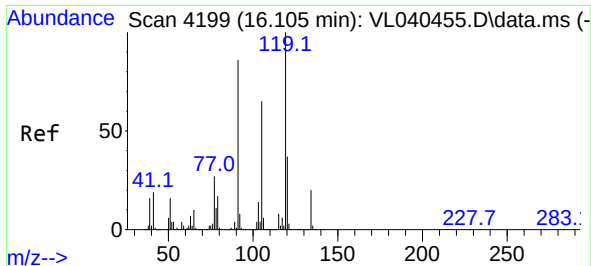


#64
n-propylbenzene
Concen: 0.416 ppbv m
RT: 14.912 min Scan# 3828
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



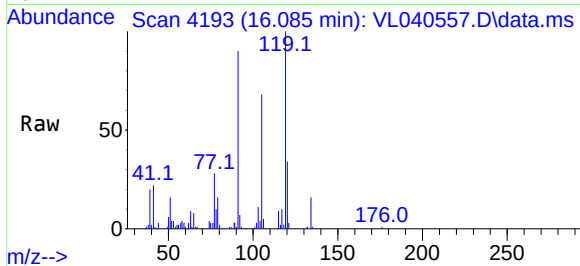
Tgt Ion:120 Resp: 39384
Ion Ratio Lower Upper
120 100
91 535.4 374.3 561.5





#65
tert-Butylbenzene
Concen: 0.454 ppbv m
RT: 16.085 min Scan# 4199
Delta R.T. -0.016 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

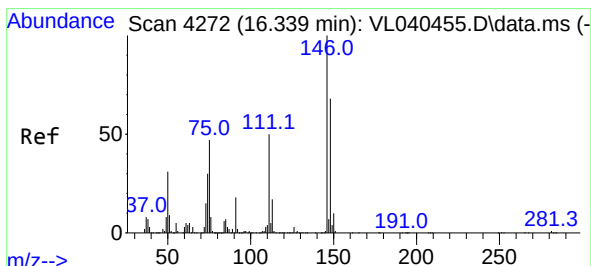
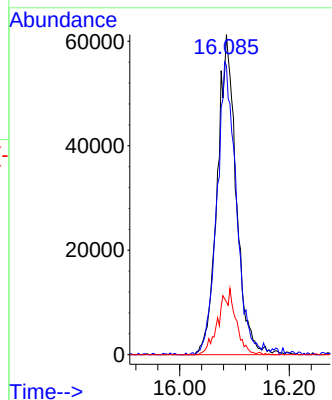
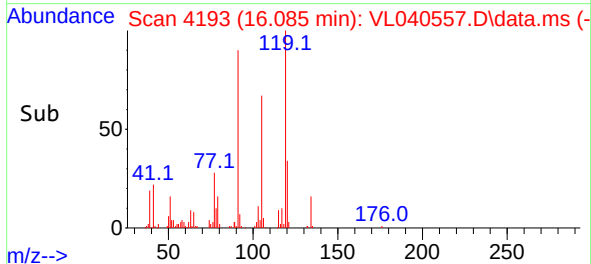
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 119 Resp: 14695
Ion Ratio Lower Upper
119 100
91 0.0 66.1 99.1#
134 0.0 15.7 23.5#

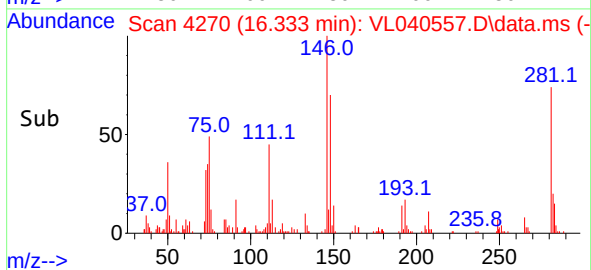
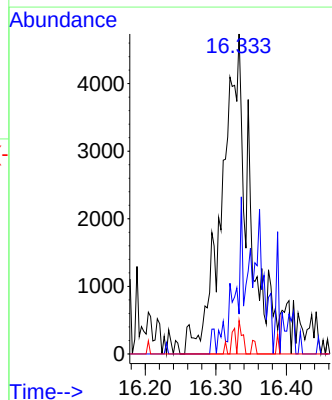
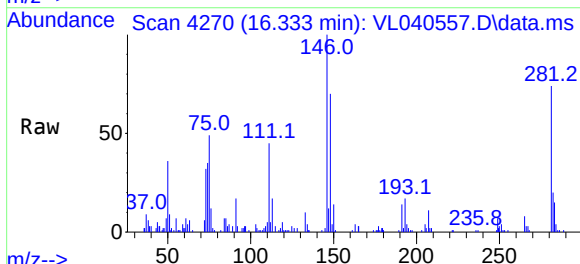
Manual Integrations
APPROVED

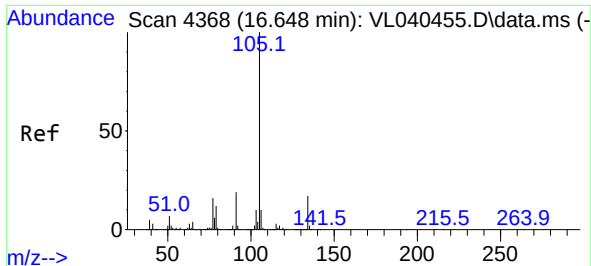
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#66
Benzyl Chloride
Concen: 0.558 ppbv m
RT: 16.333 min Scan# 4270
Delta R.T. -0.003 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

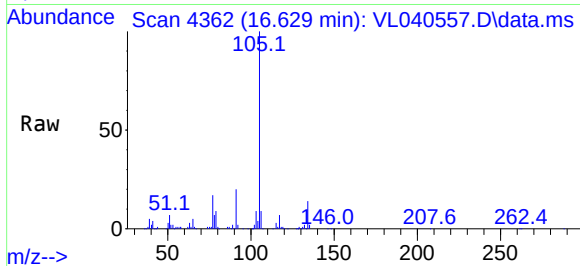
Tgt Ion: 91 Resp: 12797
Ion Ratio Lower Upper
91 100
126 43.8 15.4 23.2#
128 3.5 4.5 6.7#





#67
 sec-Butylbenzene
 Concen: 0.469 ppbv
 RT: 16.629 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL040557.D
 Acq: 27 Jul 2023 2:06

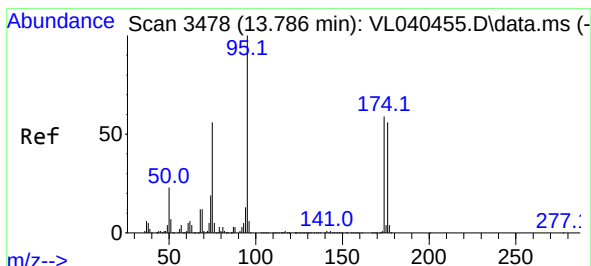
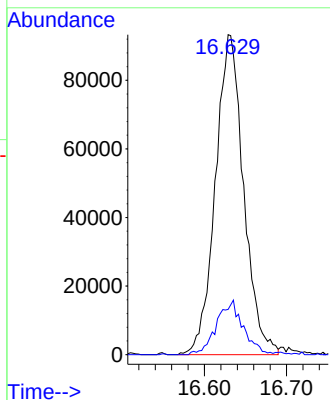
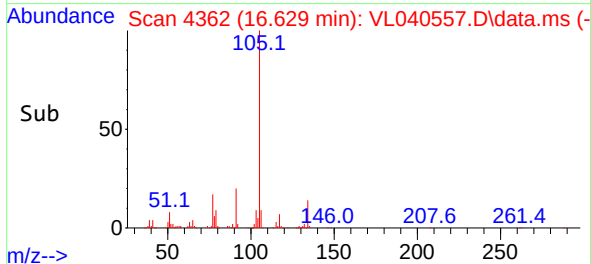
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023



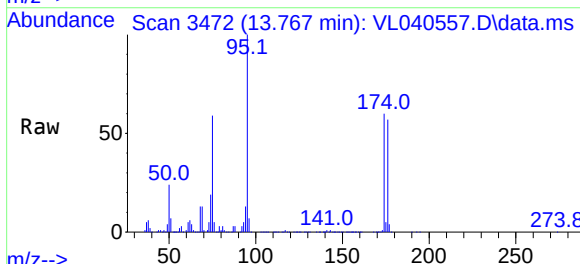
Tgt Ion:105 Resp: 223254
 Ion Ratio Lower Upper
 105 100
 134 16.5 14.4 21.6

Manual Integrations
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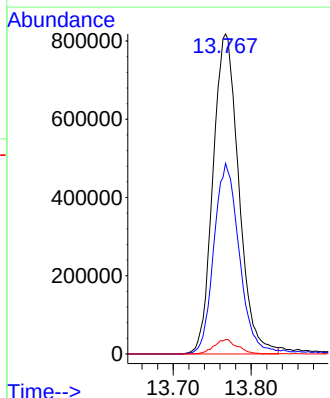
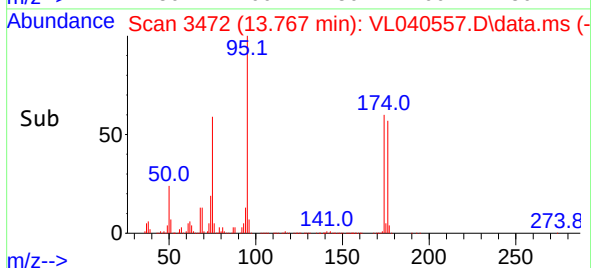
Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

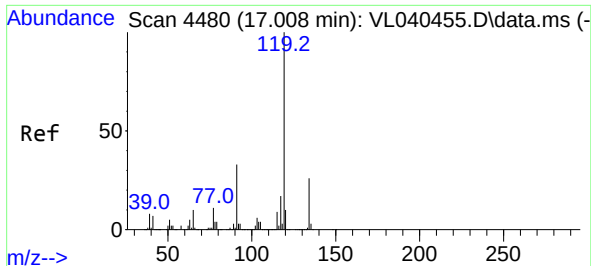


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.394 ppbv
 RT: 13.767 min Scan# 3472
 Delta R.T. -0.016 min
 Lab File: VL040557.D
 Acq: 27 Jul 2023 2:06



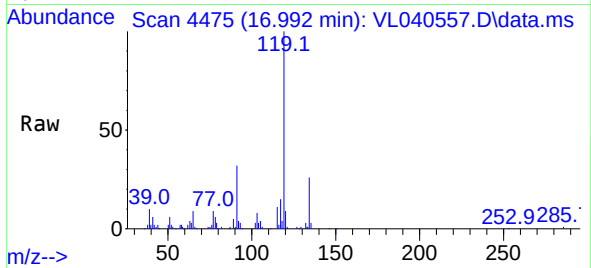
Tgt Ion: 95 Resp: 1882664
 Ion Ratio Lower Upper
 95 100
 174 60.3 50.6 75.8
 175 4.2 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.414 ppbv
RT: 16.992 min Scan# 4480
Delta R.T. -0.013 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

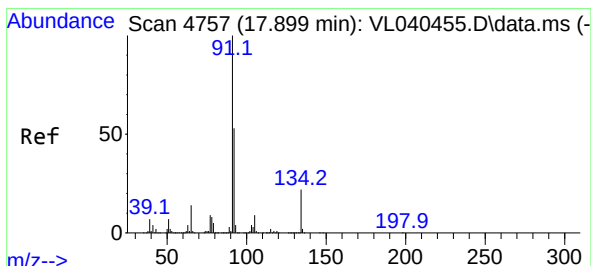
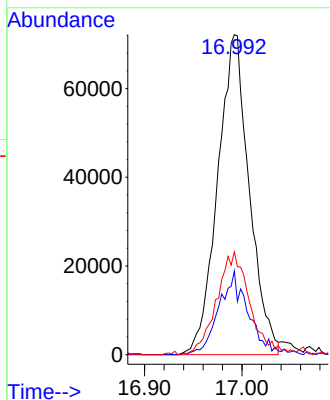
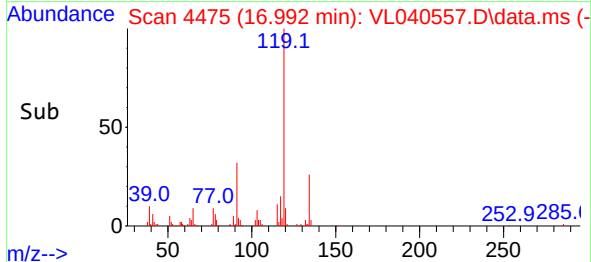
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 119 Resp: 162880
Ion Ratio Lower Upper
119 100
134 24.7 20.5 30.7
91 34.7 23.8 35.8

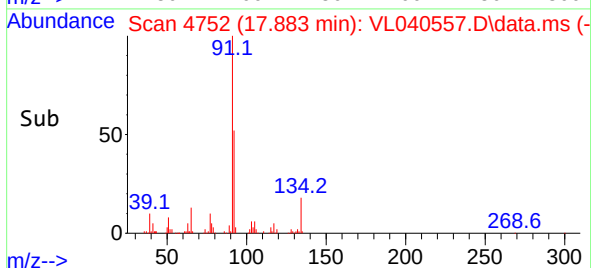
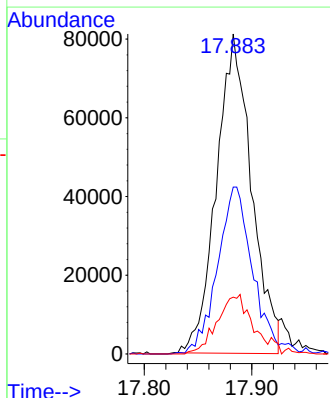
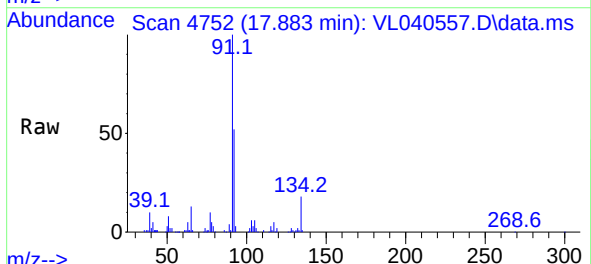
Manual Integrations
APPROVED

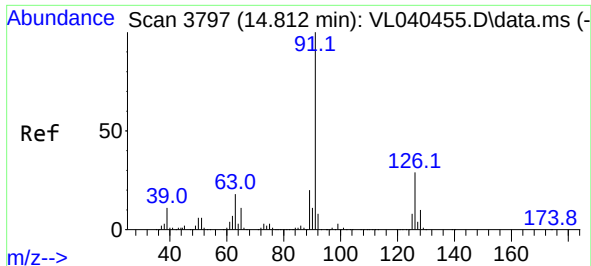
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#70
n-Butylbenzene
Concen: 0.420 ppbv
RT: 17.883 min Scan# 4752
Delta R.T. -0.013 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Tgt Ion: 91 Resp: 184057
Ion Ratio Lower Upper
91 100
92 53.2 43.4 65.0
134 19.5 18.1 27.1





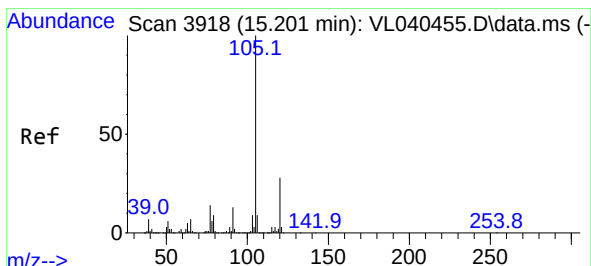
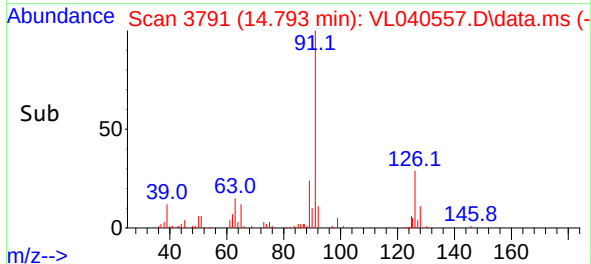
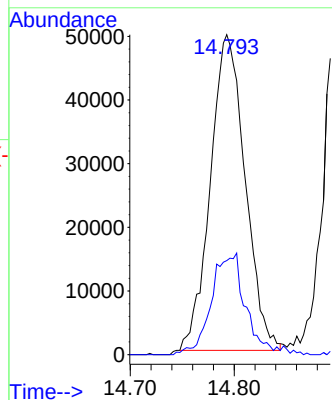
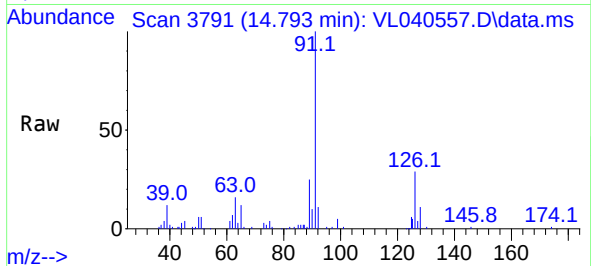
#71
2-Chlorotoluene
Concen: 0.408 ppbv
RT: 14.793 min Scan# 311
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 91 Resp: 115210
Ion Ratio Lower Upper
91 100
126 31.9 12.4 49.8

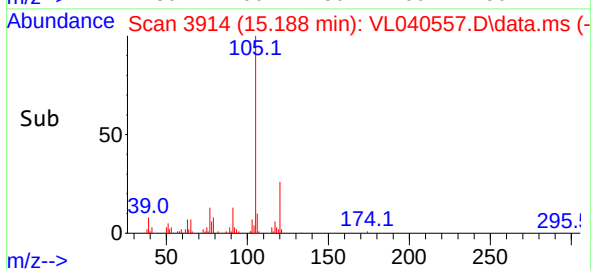
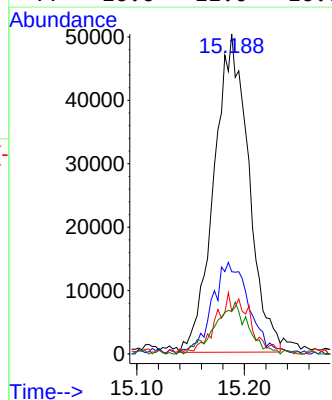
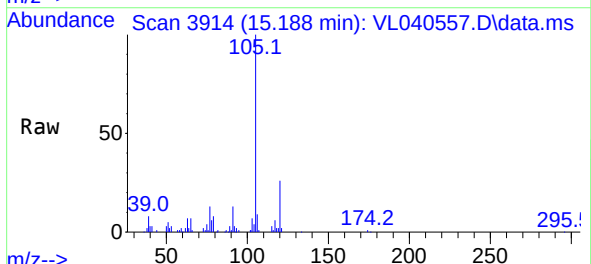
Manual Integrations
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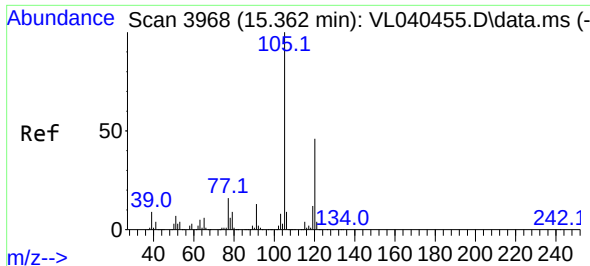
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#72
4-Ethyltoluene
Concen: 0.393 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.016 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

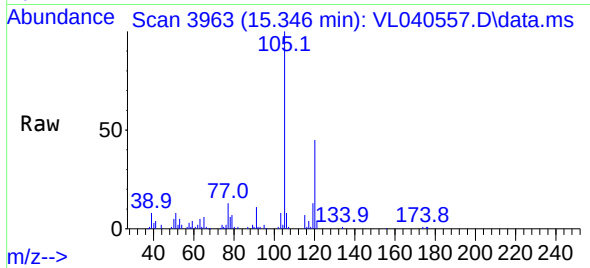
Tgt Ion:105 Resp: 112392
Ion Ratio Lower Upper
105 100
120 32.2 24.6 37.0
91 19.0 10.7 16.1#
77 16.6 11.0 16.6#





#73
1,3,5-Trimethylbenzene
Concen: 0.428 ppbv m
RT: 15.346 min Scan# 3968
Delta R.T. -0.016 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

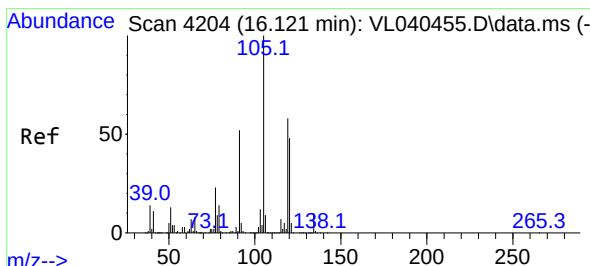
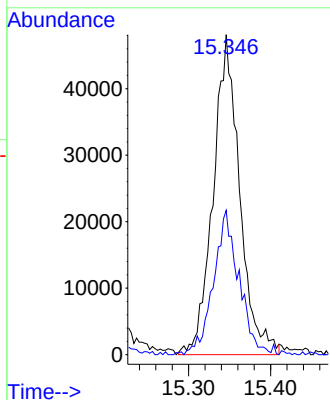
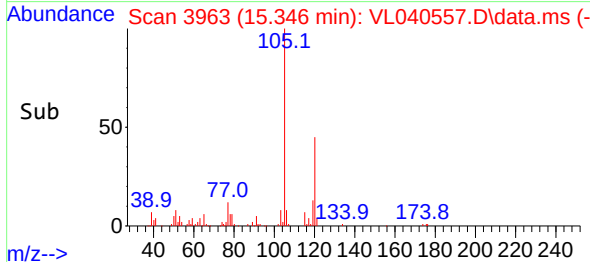
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



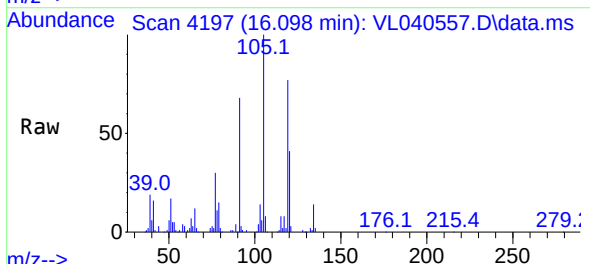
Tgt Ion:105 Resp: 108034
Ion Ratio Lower Upper
105 100
120 45.1 38.2 57.2

Manual Integrations
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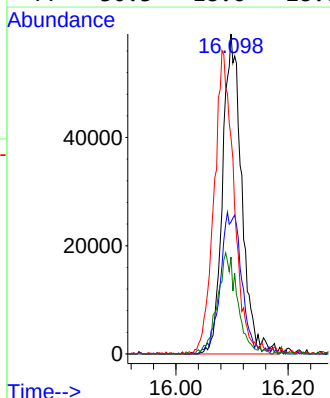
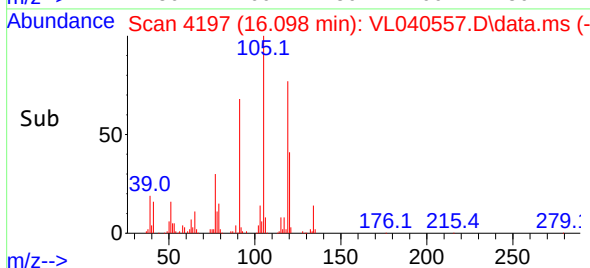
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

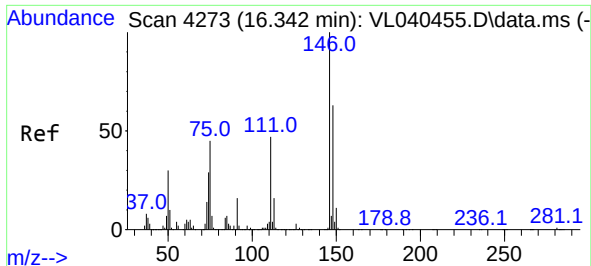


#74
1,2,4-Trimethylbenzene
Concen: 0.474 ppbv m
RT: 16.098 min Scan# 4197
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



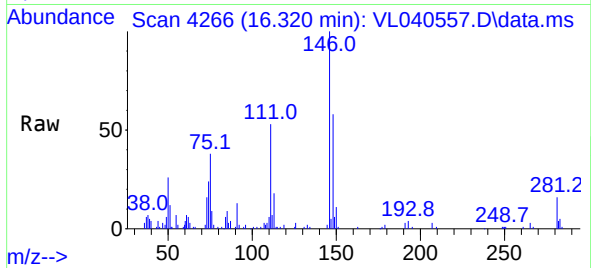
Tgt Ion:105 Resp: 139496
Ion Ratio Lower Upper
105 100
120 41.2 40.3 60.5
91 67.7 46.8 70.2
77 30.3 18.6 28.0#





#75
1,3-Dichlorobenzene
Concen: 0.459 ppbv
RT: 16.320 min Scan# 4313
Delta R.T. -0.022 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

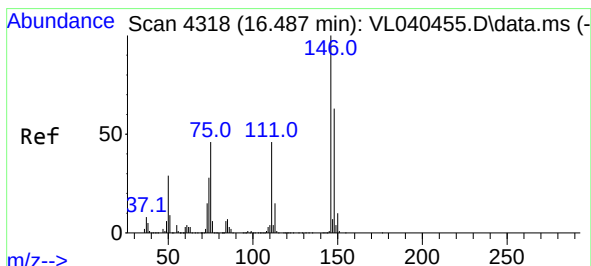
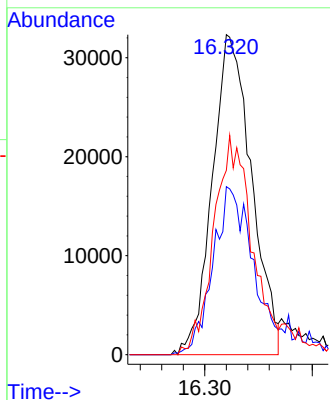
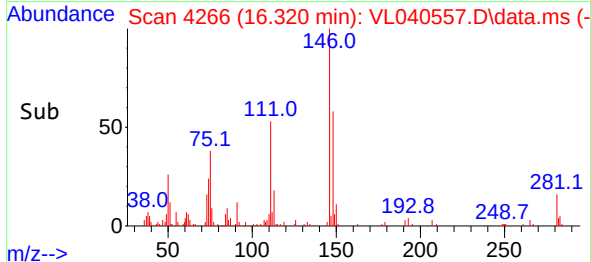
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



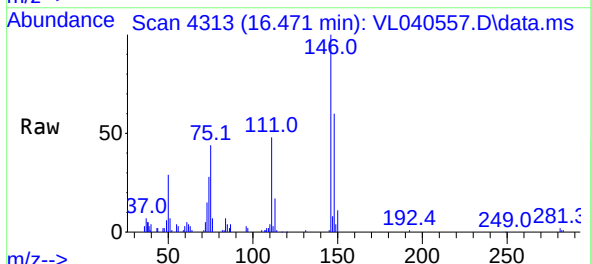
Tgt Ion:146 Resp: 81778
Ion Ratio Lower Upper
146 100
111 58.8 23.6 71.0
148 71.9 32.2 96.6

Manual Integrations
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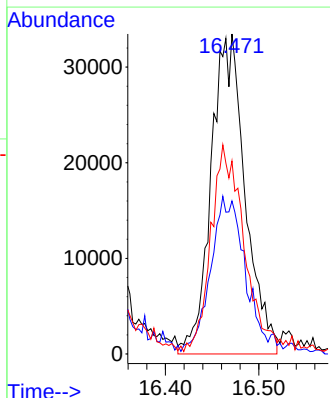
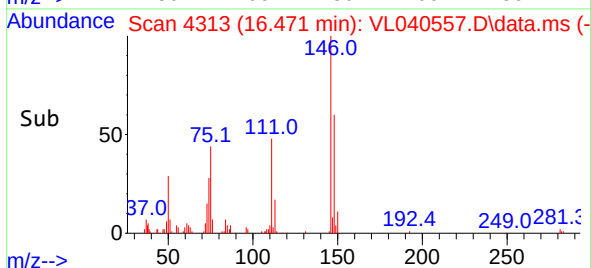
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

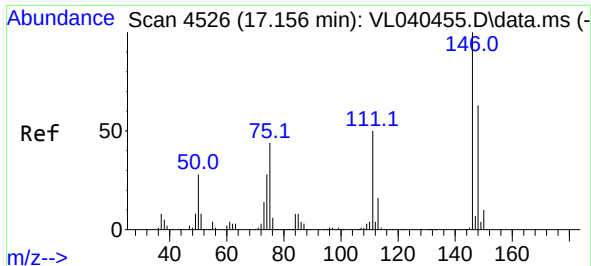


#76
1,4-Dichlorobenzene
Concen: 0.487 ppbv m
RT: 16.471 min Scan# 4313
Delta R.T. -0.016 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



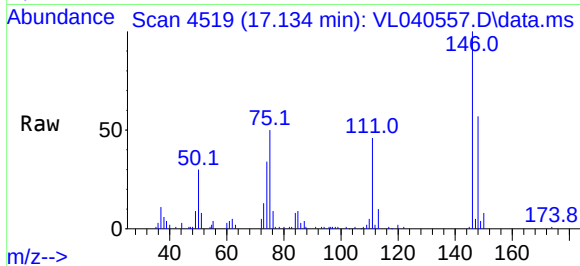
Tgt Ion:146 Resp: 85116
Ion Ratio Lower Upper
146 100
111 52.8 22.8 68.3
148 67.4 32.6 97.8





#77
1,2-Dichlorobenzene
Concen: 0.513 ppbv m
RT: 17.134 min Scan# 4519
Delta R.T. -0.019 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

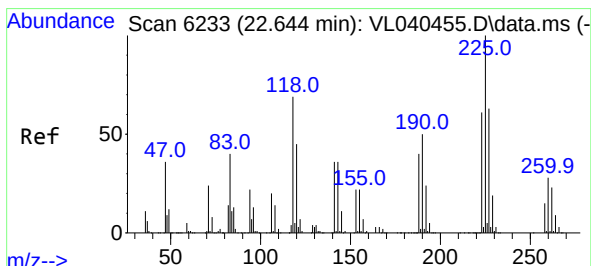
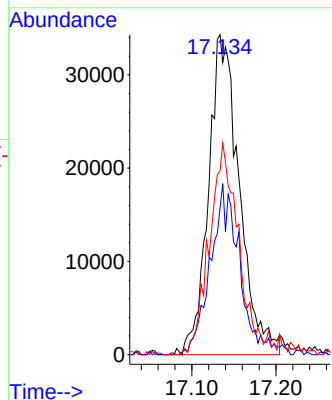
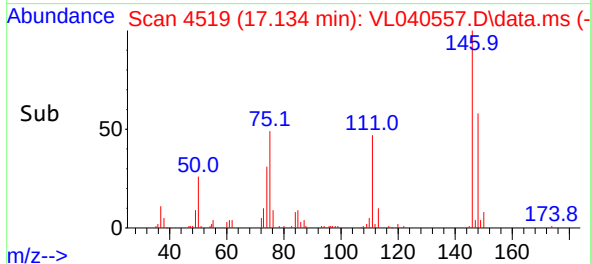
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



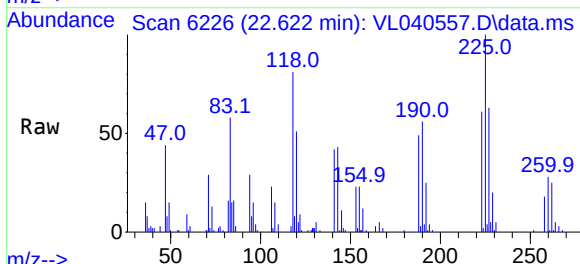
Tgt Ion:146 Resp: 8748
Ion Ratio Lower Upper
146 100
111 0.0 24.3 72.8
148 0.0 32.1 96.3

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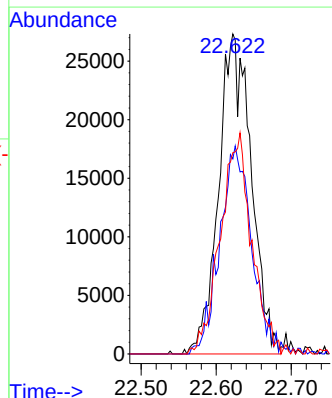
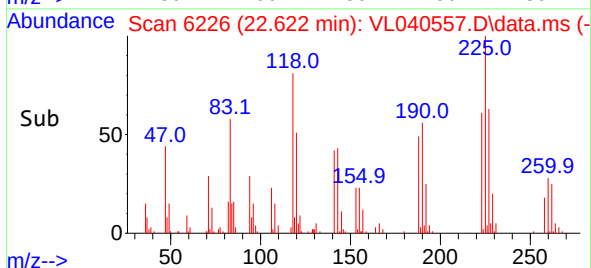
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

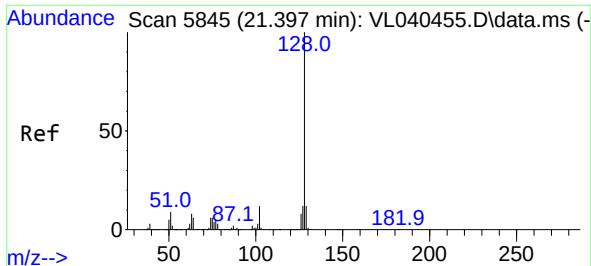


#78
Hexachloro-1,3-Butadiene
Concen: 0.515 ppbv m
RT: 22.622 min Scan# 6226
Delta R.T. -0.026 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



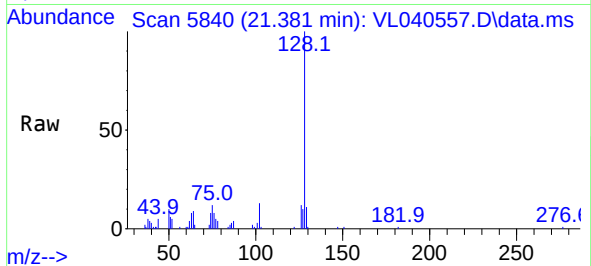
Tgt Ion:225 Resp: 82534
Ion Ratio Lower Upper
225 100
223 0.0 50.3 75.5#
227 0.0 51.0 76.6#





#79
Naphthalene
Concen: 0.326 ppbv m
RT: 21.381 min Scan# 5845
Delta R.T. -0.013 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

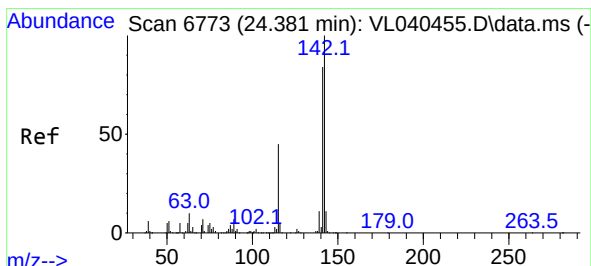
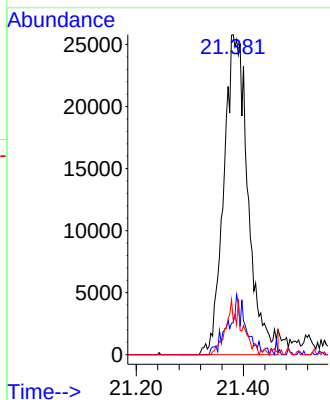
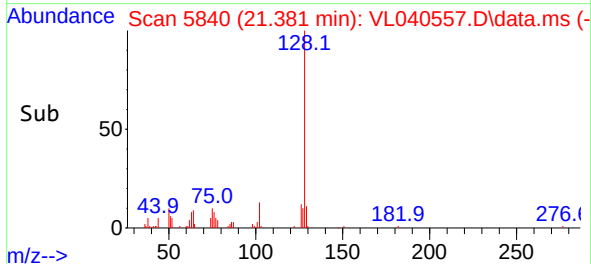
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



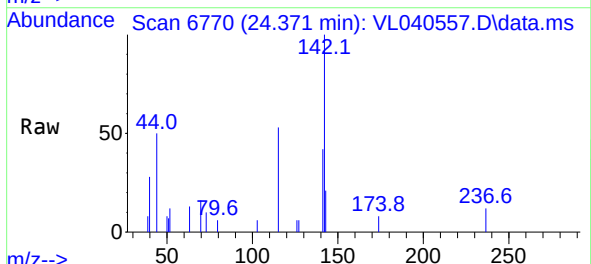
Tgt Ion:128 Resp: 8120
Ion Ratio Lower Upper
128 100
127 9.9 10.7 16.1
129 10.6 9.2 13.8

Manual Integrations
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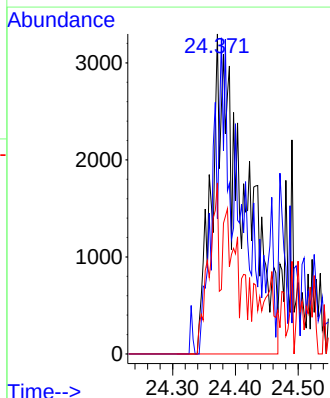
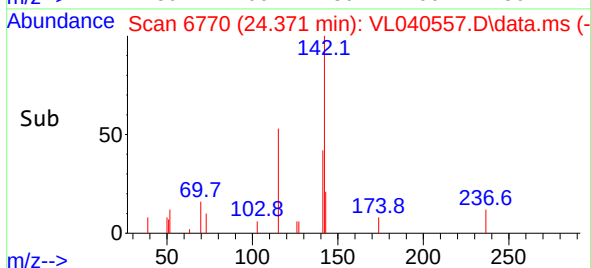
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

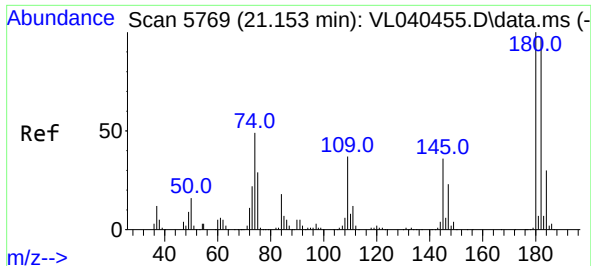


#80
Naphthalene,2-methyl-
Concen: 0.115 ppbv m
RT: 24.371 min Scan# 6770
Delta R.T. -0.006 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06



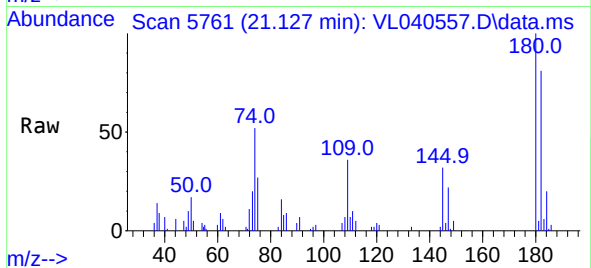
Tgt Ion:142 Resp: 11821
Ion Ratio Lower Upper
142 100
141 10.5 66.7 100.1#
115 4.6 33.0 49.6#





#81
1,2,4-Trichlorobenzene
Concen: 0.412 ppbv m
RT: 21.127 min Scan# 51
Delta R.T. -0.023 min
Lab File: VL040557.D
Acq: 27 Jul 2023 2:06

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion:180 Resp: 70598
Ion Ratio Lower Upper
180 100
182 0.0 77.5 116.3
184 0.0 24.5 36.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

