

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040579.D
 Acq On : 31 Jul 2023 19:20
 Operator : SY/MD
 Sample : 03572-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Quant Time: Aug 01 01:41:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

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

Internal Standards						
1) Bromochloromethane	5.185	49	1025723	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2539779	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.462	117	2224971	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	1947728	11.061	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	96624	0.471	ppbv	96
3) Chlorodifluoromethane	2.665	51	72698	0.447	ppbv	96
4) Chloromethane	2.803	50	25350	0.394	ppbv #	85
5) Vinyl Chloride	2.912	62	26743	0.395	ppbv	97
6) Bromomethane	3.108	94	13102m	0.459	ppbv	
7) Chloroethane	3.189	64	10125	0.427	ppbv #	89
8) Dichlorotetrafluoroethane	2.848	85	77167	0.457	ppbv	99
9) Propene	2.687	41	18830	0.338	ppbv	95
10) Heptane	7.577	43	31300	0.255	ppbv	93
11) Trichlorofluoromethane	3.555	101	86035	0.520	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	58405	0.501	ppbv	94
13) Ethanol	3.250	45	5099m	0.421	ppbv	
14) Bromoethene	3.362	108	21130	0.421	ppbv #	98
15) Acetone	3.475	43	56110m	0.475	ppbv	
16) 1,3-Butadiene	2.976	39	24603	0.413	ppbv	93
17) tert-Butyl alcohol	3.886	59	52557m	0.430	ppbv	
18) 1,1-Dichloroethene	3.873	96	22735	0.424	ppbv #	78
19) Isopropyl Alcohol	3.587	45	29202m	0.431	ppbv	
20) Methylene Chloride	3.925	84	31158	0.620	ppbv #	91
21) Allyl Chloride	3.989	41	25241	0.374	ppbv	85
22) trans-1,2-Dichloroethene	4.436	96	21072	0.398	ppbv	93
23) Vinyl Acetate	4.626	43	52005m	0.462	ppbv	
24) 1,1-Dichloroethane	4.555	63	49491	0.433	ppbv	98
25) Ethyl Acetate	5.205	43	76239	0.339	ppbv	97
26) Hexane	5.208	57	32432	0.311	ppbv #	73
27) Carbon Disulfide	4.115	76	51931	0.423	ppbv #	92
28) Methyl tert-Butyl Ether	4.590	73	32257	0.384	ppbv	98
29) Chloroform	5.269	83	71845	0.415	ppbv	97
30) Cyclohexane	6.594	84	18535m	0.213	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	33304m	0.323	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	68695	0.405	ppbv	96
34) 2-Butanone	4.796	43	46407	0.370	ppbv	93
35) Carbon Tetrachloride	6.487	117	69303	0.453	ppbv	92
36) Benzene	6.365	78	62202m	0.304	ppbv	
37) 1,2-Dichloroethane	5.803	62	49805	0.414	ppbv #	96
38) Trichloroethene	7.285	130	23956m	0.310	ppbv	
39) 1,2-Dichloropropane	7.060	63	27949m	0.355	ppbv	
40) 1,4-Dioxane	7.314	88	7253m	0.295	ppbv	
41) Tetrahydrofuran	5.584	42	18868m	0.258	ppbv	
42) Bromodichloromethane	7.240	83	66159	0.396	ppbv	89
43) Methyl Methacrylate	7.478	69	17359	0.227	ppbv	88
44) 2,2,4-Trimethylpentane	7.323	57	89369	0.272	ppbv #	78
45) t-1,3-Dichloropropene	8.706	75	11472m	0.234	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:41:17 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	15898	0.253	ppbv	93
47) 1,1,2-Trichloroethane	8.893	97	31387m	0.362	ppbv	
48) Dibromochloromethane	9.700	129	46780m	0.349	ppbv	
49) Bromoform	12.400	173	35542m	0.334	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	48880m	0.268	ppbv	
51) 2-Hexanone	9.568	43	28113m	0.218	ppbv	
52) Tetrachloroethene	10.610	164	22288m	0.337	ppbv	
53) Toluene	9.217	91	45466	0.205	ppbv	97
54) 1,2-Dibromoethane	10.002	107	34174m	0.317	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.503	131	41845	0.420	ppbv #	1
57) Chlorobenzene	11.523	112	66799m	0.385	ppbv	
58) Ethyl Benzene	12.089	91	58715	0.210	ppbv	97
59) m/p-Xylene	12.375	91	134960m	0.542	ppbv	
60) o-Xylene	13.060	91	61960m	0.261	ppbv	
61) Styrene	12.899	104	19018m	0.174	ppbv	
62) Isopropylbenzene	14.024	105	104002	0.292	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	71066	0.427	ppbv	97
64) n-propylbenzene	14.918	120	24397m	0.265	ppbv	
65) tert-Butylbenzene	16.092	119	87427m	0.278	ppbv	
66) Benzyl Chloride	16.330	91	7633m	0.343	ppbv	
67) sec-Butylbenzene	16.632	105	132211	0.286	ppbv	97
69) p-Isopropyltoluene	16.992	119	98749m	0.258	ppbv	
70) n-Butylbenzene	17.889	91	114119	0.268	ppbv	94
71) 2-Chlorotoluene	14.799	91	73037	0.266	ppbv	95
72) 4-Ethyltoluene	15.195	105	63676	0.229	ppbv #	90
73) 1,3,5-Trimethylbenzene	15.352	105	64109m	0.261	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	84682	0.296	ppbv #	90
75) 1,3-Dichlorobenzene	16.323	146	57812m	0.333	ppbv	
76) 1,4-Dichlorobenzene	16.477	146	60799m	0.358	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	59017m	0.356	ppbv	
78) Hexachloro-1,3-Butadiene	22.632	225	58381m	0.375	ppbv	
79) Naphthalene	21.387	128	45007m	0.186	ppbv	
80) Naphthalene,2-methyl-	24.410	142	6103m	0.061	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	37594m	0.225	ppbv	

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

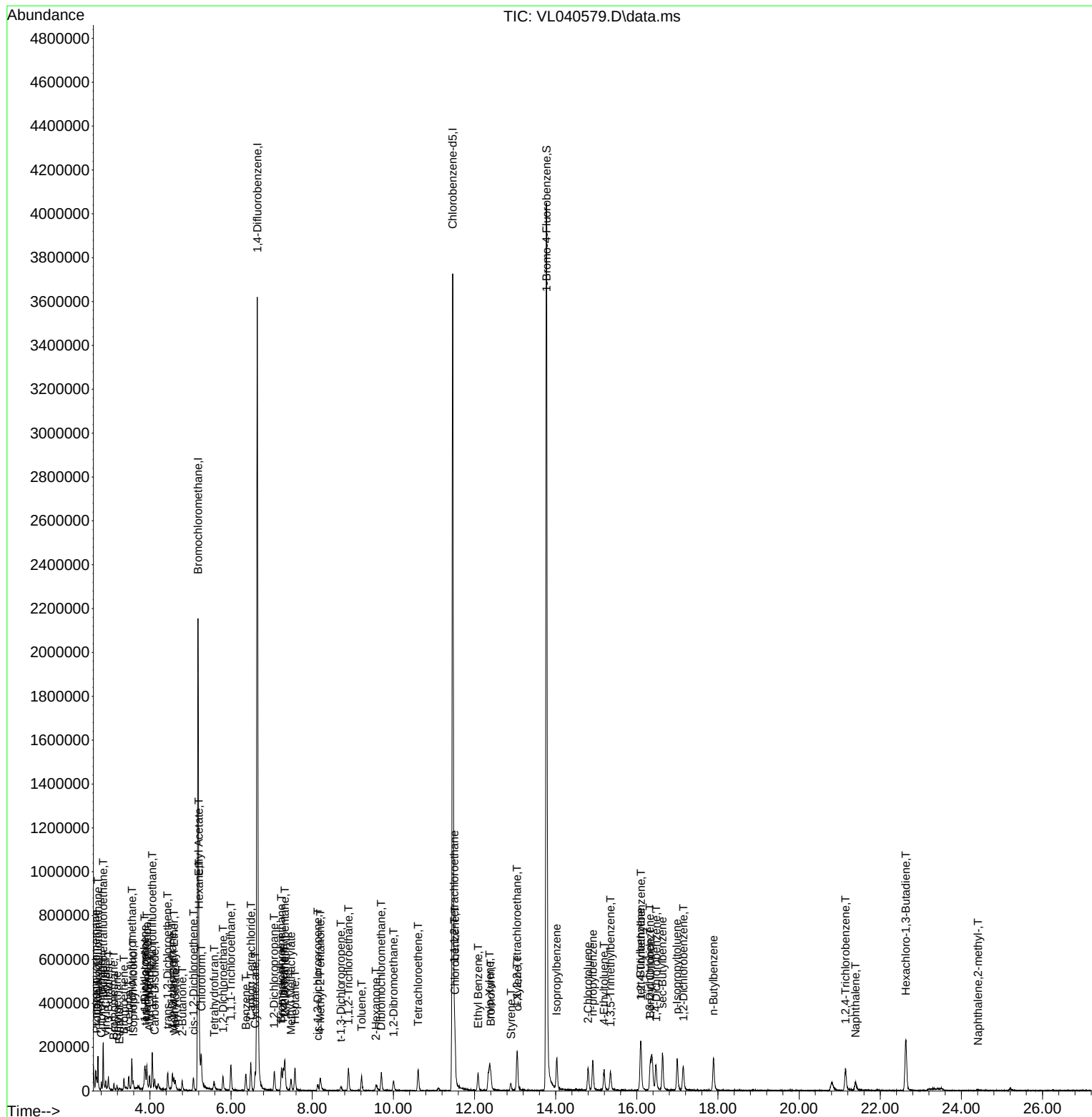
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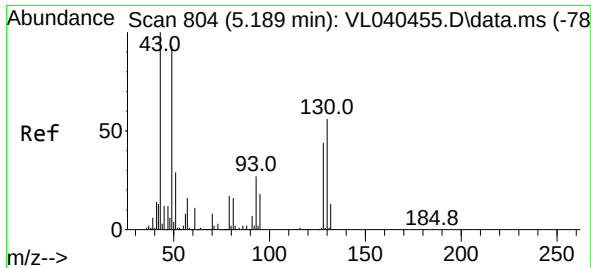
Instrument :
MSVOA_L
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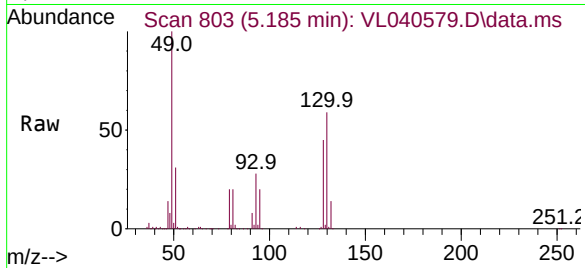
Reviewed By : Semsettin Yesilyurt 08/01/2023
Supervised By : Mahesh Dadoda 08/01/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 804
Delta R.T. -0.017 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

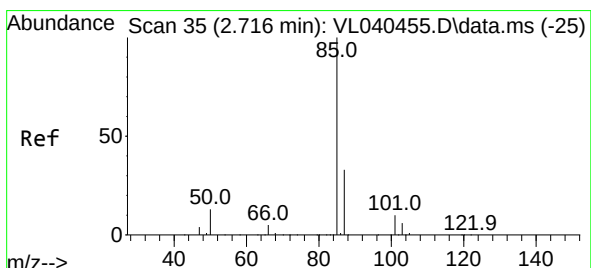
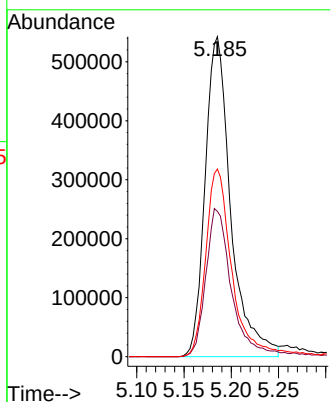
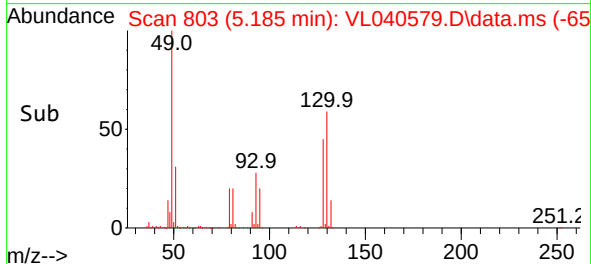
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 49 Resp: 102572
Ion Ratio Lower Upper
49 100
128 48.1 25.1 75.4
130 61.2 31.6 94.7

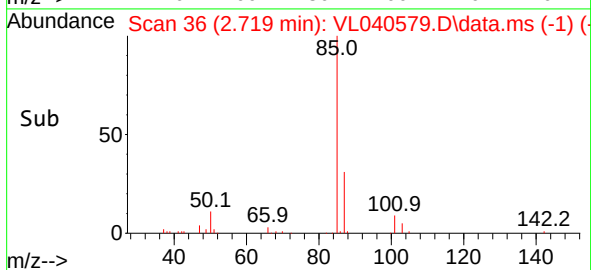
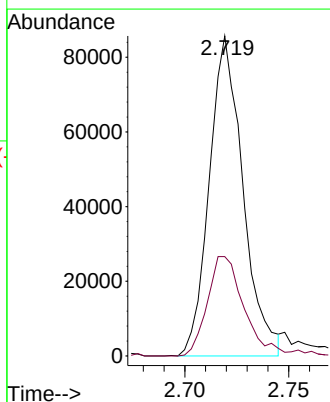
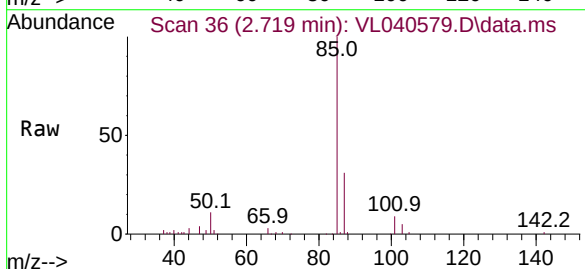
Manual Integrations
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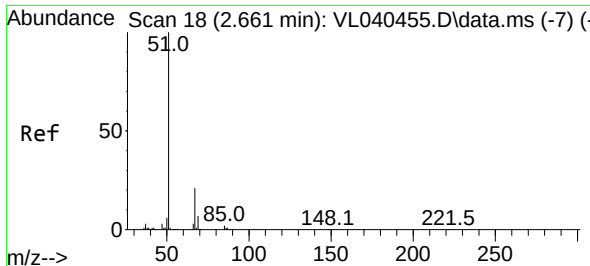
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#2
Dichlorodifluoromethane
Concen: 0.471 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

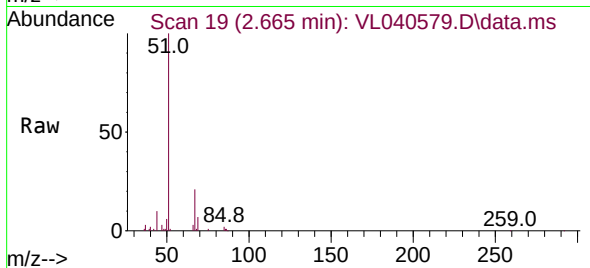
Tgt Ion: 85 Resp: 96624
Ion Ratio Lower Upper
85 100
87 31.1 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.447 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

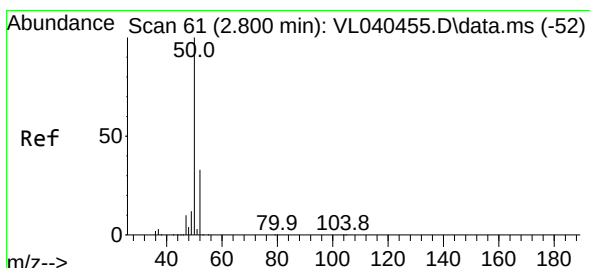
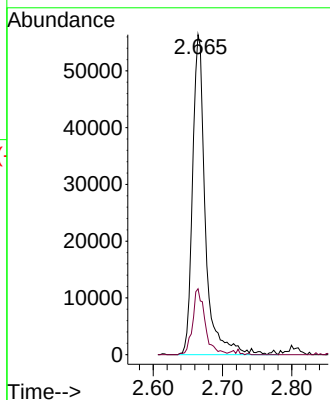
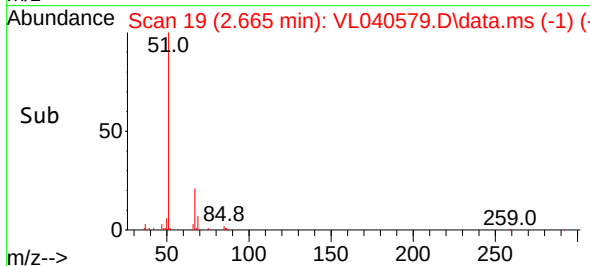
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 51 Resp: 72698
Ion Ratio Lower Upper
51 100
67 19.9 14.6 21.8

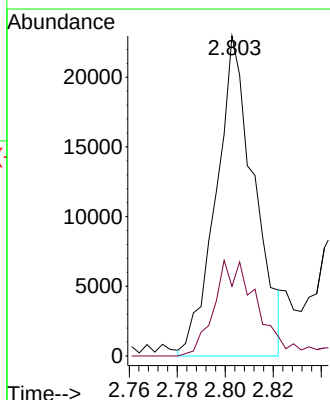
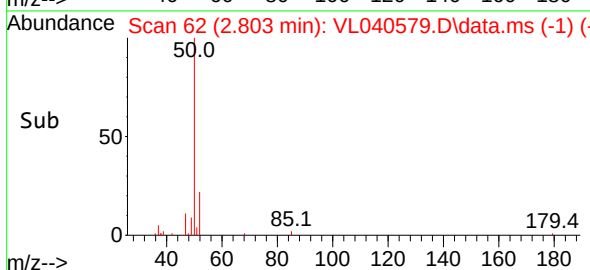
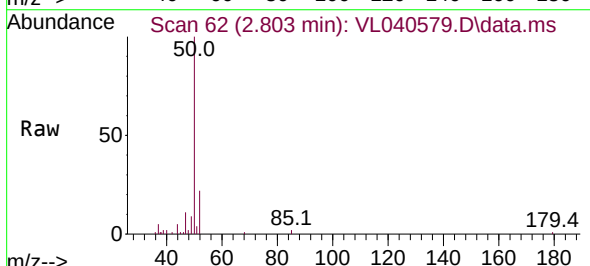
Manual Integrations
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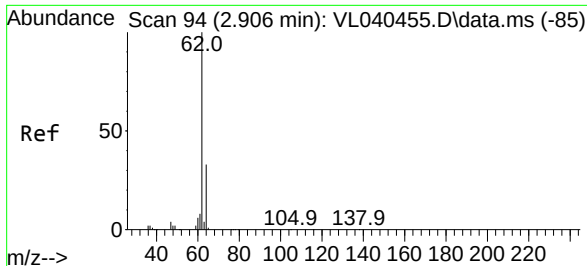
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#4
Chloromethane
Concen: 0.394 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion: 50 Resp: 25350
Ion Ratio Lower Upper
50 100
52 22.1 24.4 36.6#





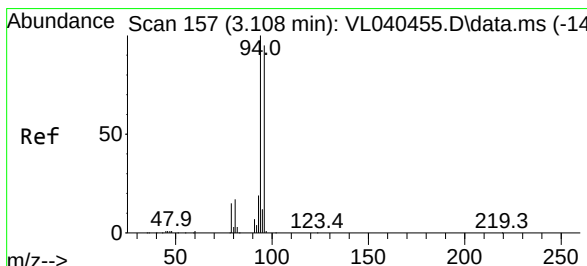
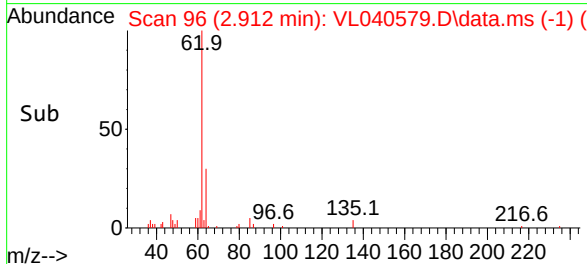
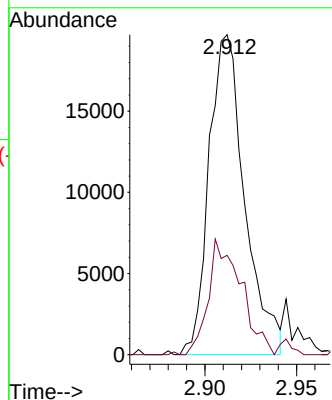
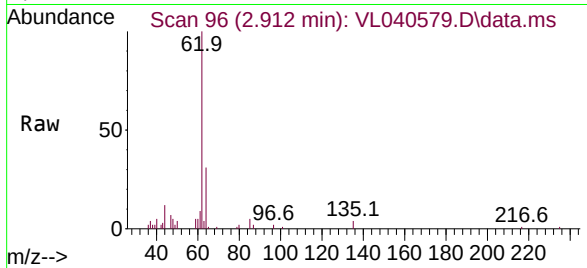
#5
 Vinyl Chloride
 Concen: 0.395 ppbv
 RT: 2.912 min Scan# 94
 Delta R.T. -0.016 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Tgt Ion: 62 Resp: 2674
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.4 39.6

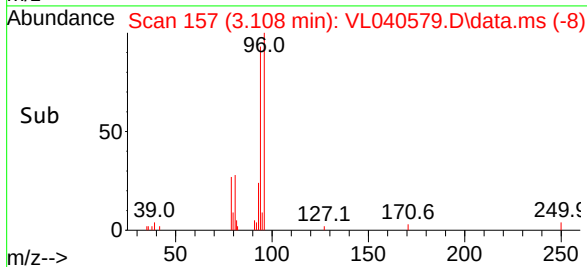
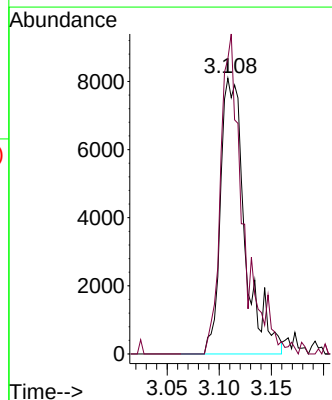
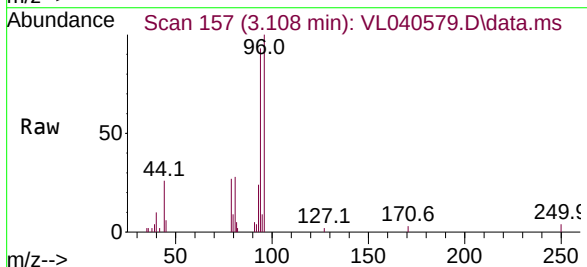
Manual Integrations
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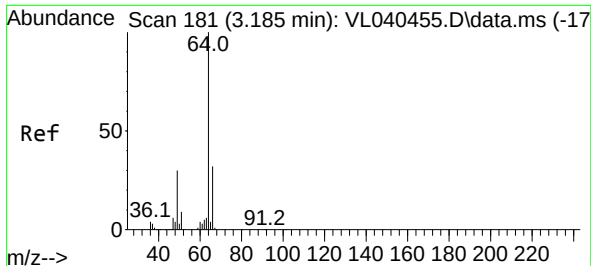
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#6
 Bromomethane
 Concen: 0.459 ppbv m
 RT: 3.108 min Scan# 157
 Delta R.T. -0.019 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

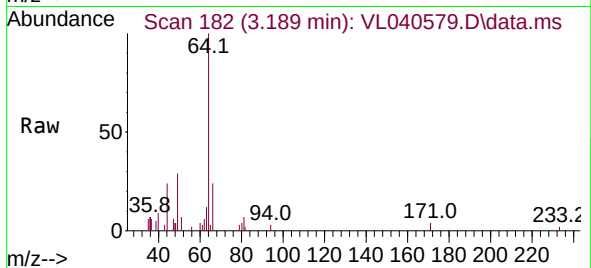
Tgt Ion: 94 Resp: 13102
 Ion Ratio Lower Upper
 94 100
 96 107.0 75.7 113.5





#7
Chloroethane
Concen: 0.427 ppbv
RT: 3.189 min Scan# 181
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

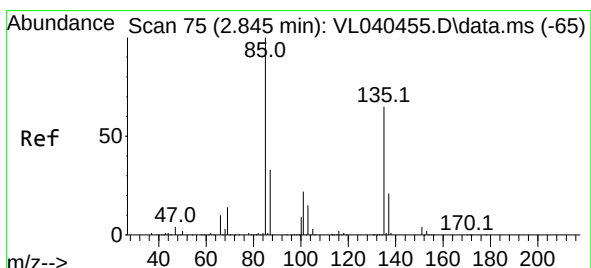
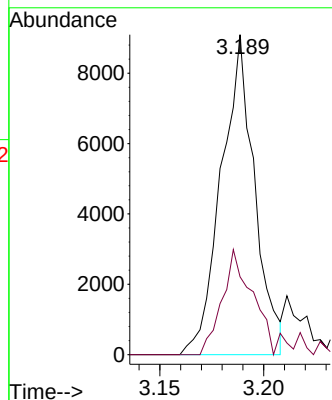
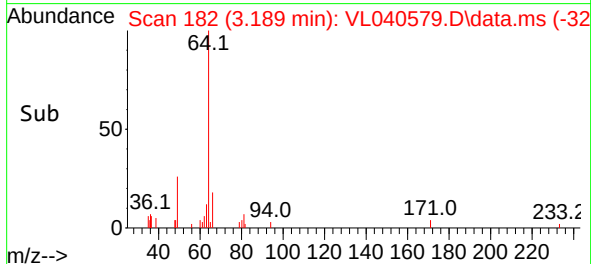
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 64 Resp: 10125
Ion Ratio Lower Upper
64 100
66 24.4 24.4 36.6

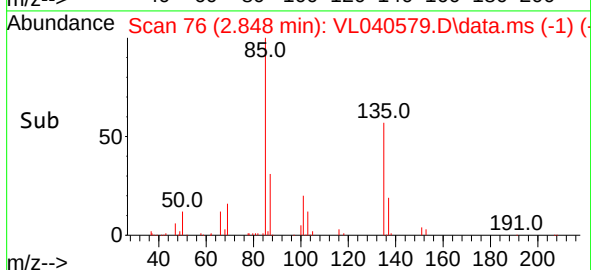
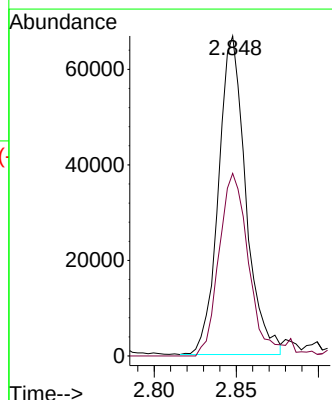
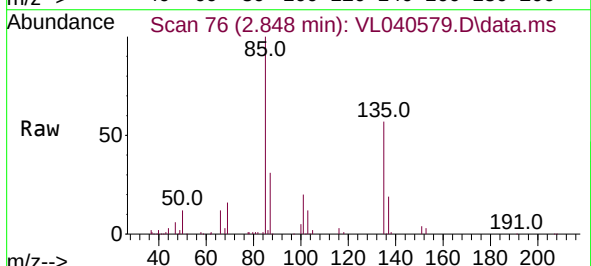
Manual Integrations
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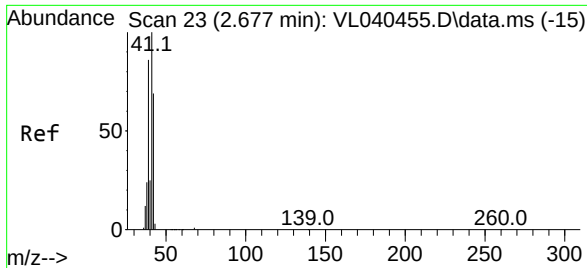
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#8
Dichlorotetrafluoroethane
Concen: 0.457 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

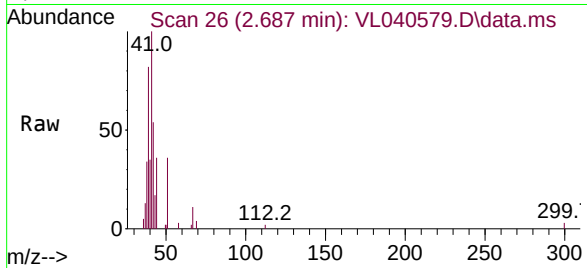
Tgt Ion: 85 Resp: 77167
Ion Ratio Lower Upper
85 100
135 66.0 52.4 78.6





#9
 Propene
 Concen: 0.338 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. -0.016 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

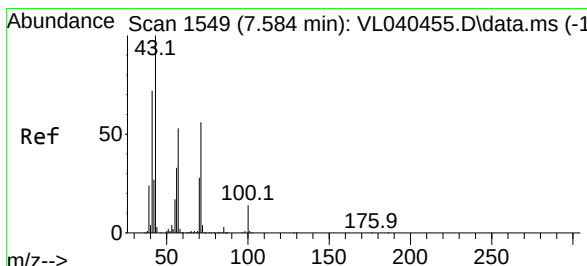
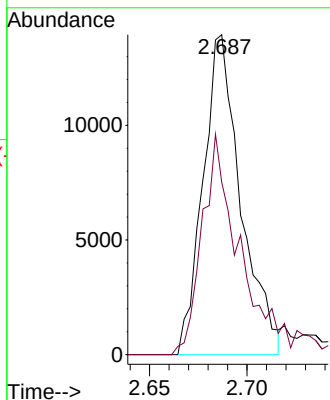
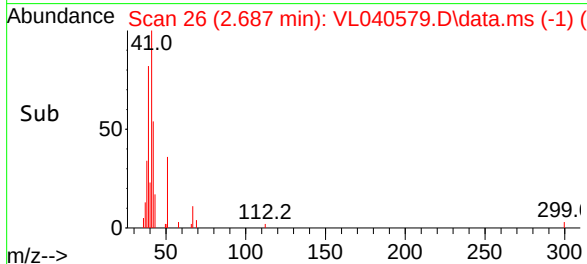
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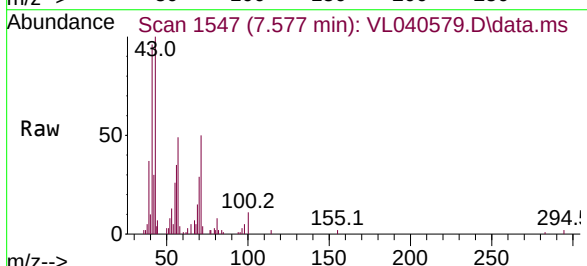
Tgt Ion: 41 Resp: 18830
 Ion Ratio Lower Upper
 41 100
 42 72.8 55.0 82.6

Manual Integrations
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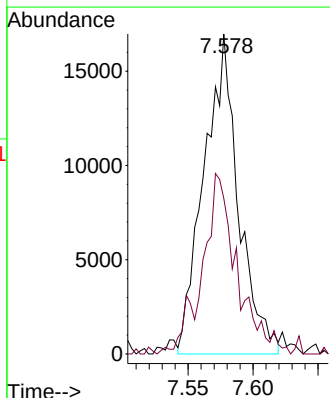
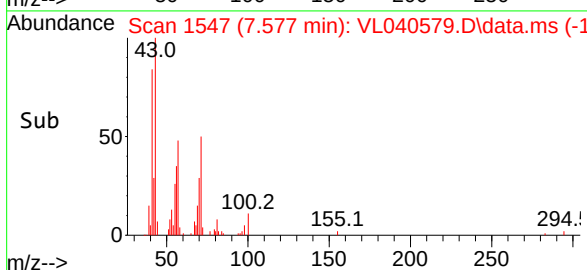
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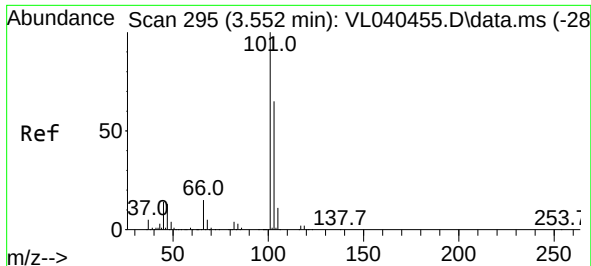


#10
 Heptane
 Concen: 0.255 ppbv
 RT: 7.577 min Scan# 1547
 Delta R.T. -0.013 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20



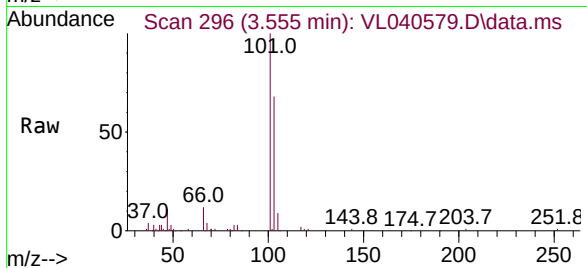
Tgt Ion: 43 Resp: 31300
 Ion Ratio Lower Upper
 43 100
 57 57.8 42.5 63.7





#11
Trichlorofluoromethane
Concen: 0.520 ppbv
RT: 3.555 min Scan# 295
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

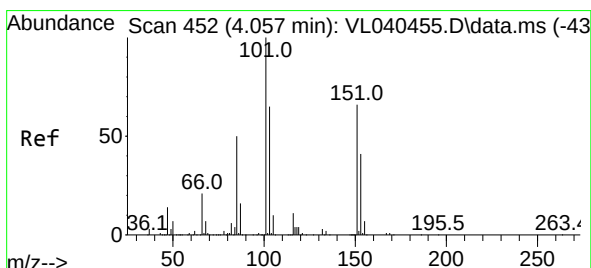
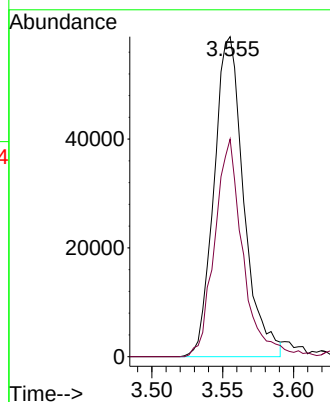
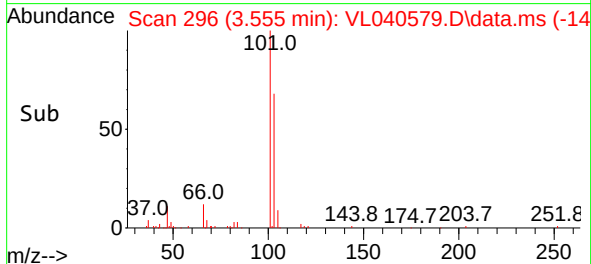
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



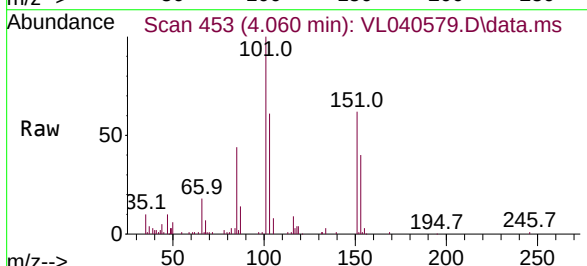
Tgt Ion:101 Resp: 86035
Ion Ratio Lower Upper
101 100
103 68.0 53.4 80.0

Manual Integrations
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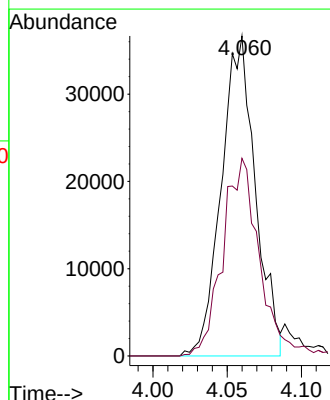
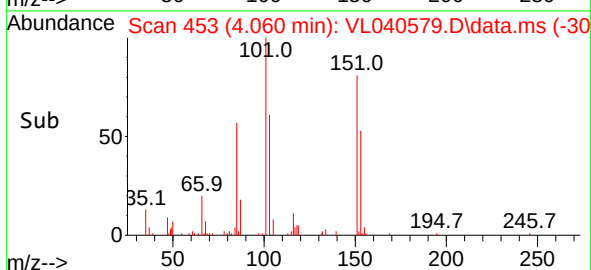
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

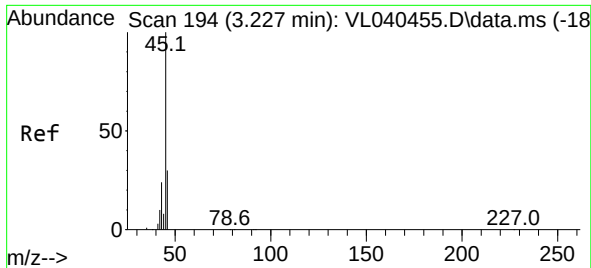


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.501 ppbv
RT: 4.060 min Scan# 453
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



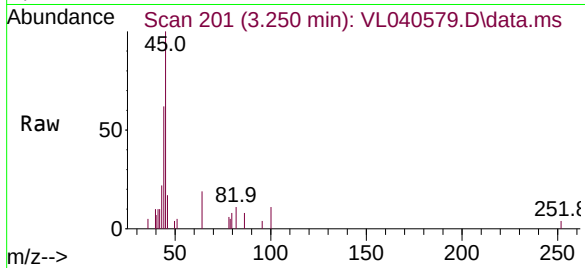
Tgt Ion:101 Resp: 58405
Ion Ratio Lower Upper
101 100
151 67.5 58.2 87.4





#13
Ethanol
Concen: 0.421 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.003 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

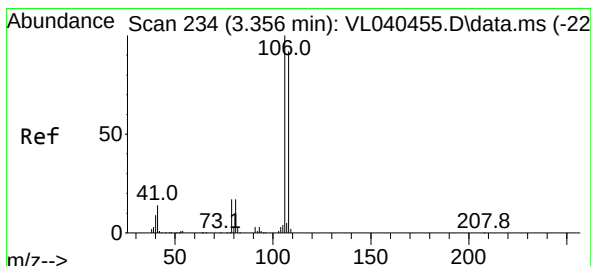
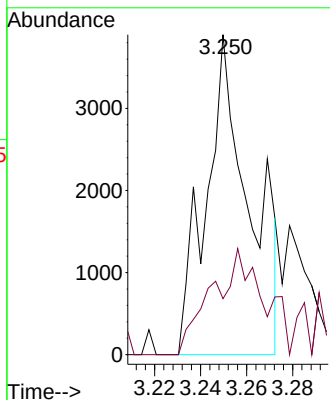
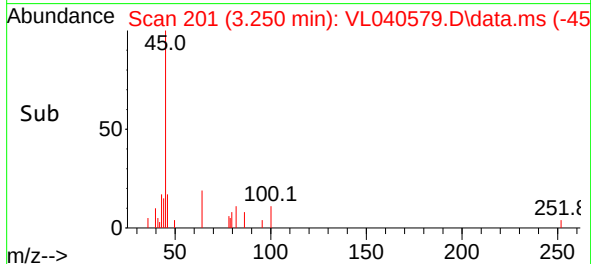
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



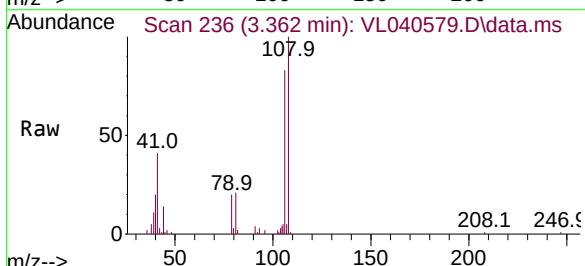
Tgt Ion: 45 Resp: 5099
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

Manual Integrations
APPROVED

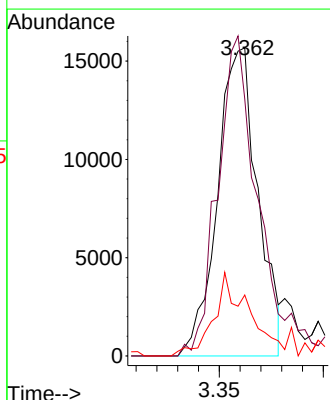
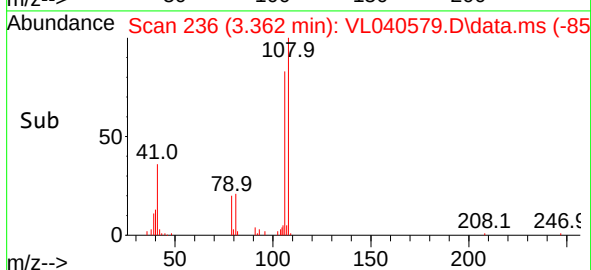
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

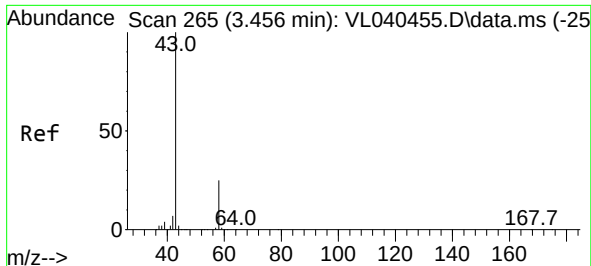


#14
Bromoethene
Concen: 0.421 ppbv
RT: 3.362 min Scan# 236
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



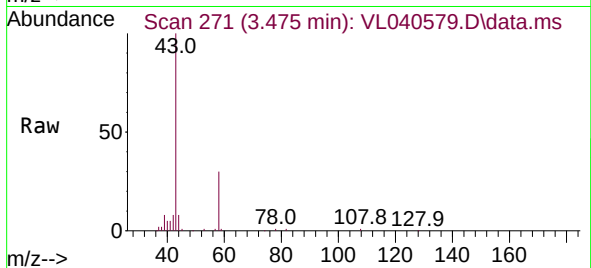
Tgt Ion:108 Resp: 21130
Ion Ratio Lower Upper
108 100
106 108.9 87.2 130.8
79 25.4 15.3 22.9





#15
Acetone
Concen: 0.475 ppbv m
RT: 3.475 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

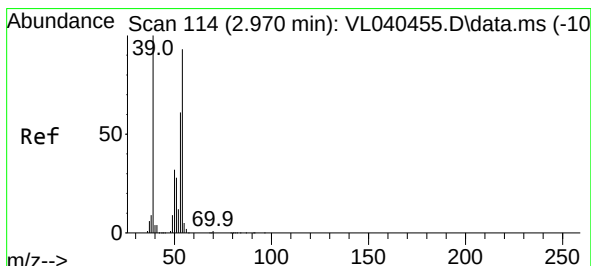
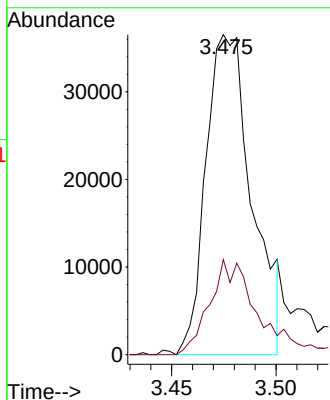
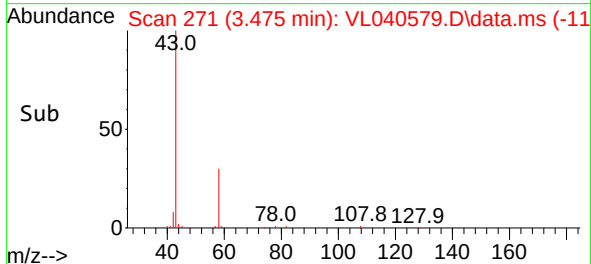
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 43 Resp: 56110
Ion Ratio Lower Upper
43 100
58 32.6 22.9 34.3

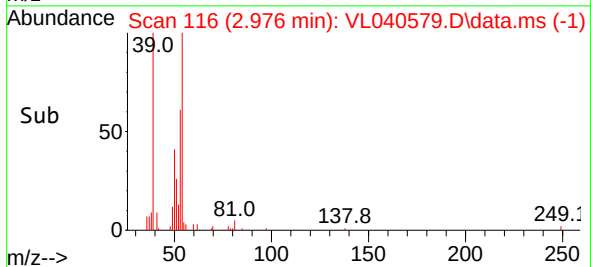
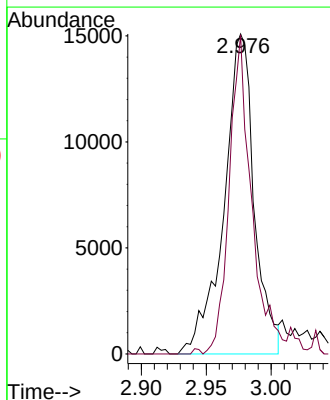
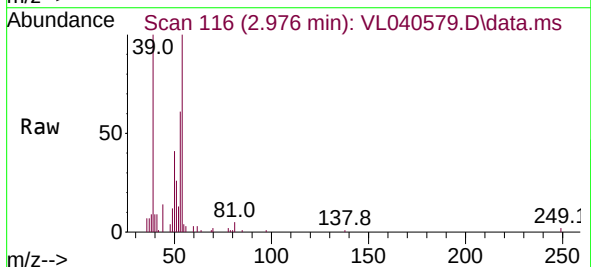
Manual Integrations
APPROVED

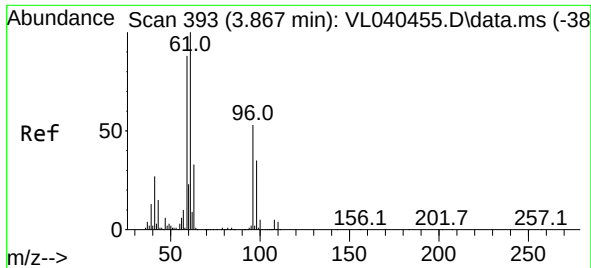
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#16
1,3-Butadiene
Concen: 0.413 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion: 39 Resp: 24603
Ion Ratio Lower Upper
39 100
54 77.3 66.6 100.0





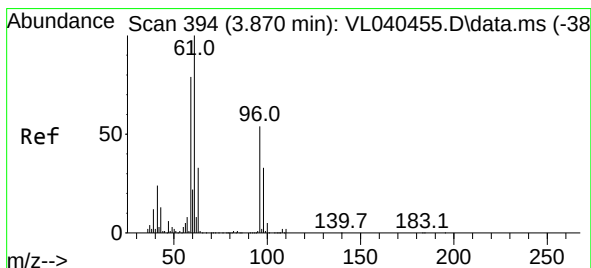
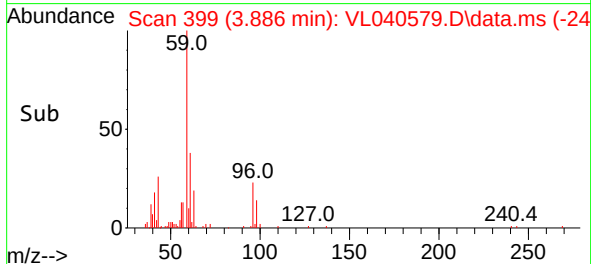
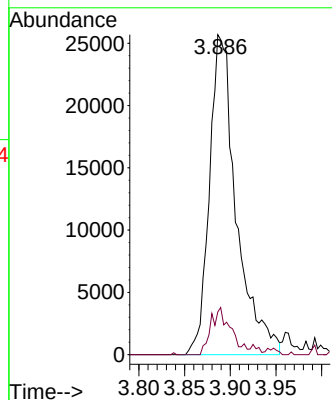
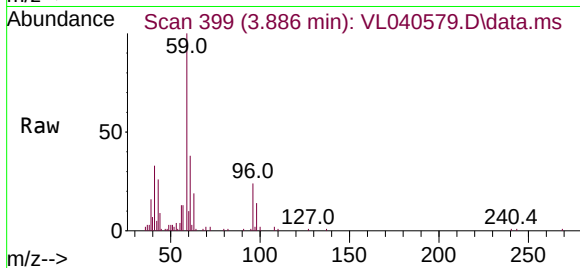
#17
tert-Butyl alcohol
Concen: 0.430 ppbv m
RT: 3.886 min Scan# 393
Delta R.T. 0.003 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion: 59 Resp: 5255
Ion Ratio Lower Upper
59 100
57 12.7 8.7 13.1

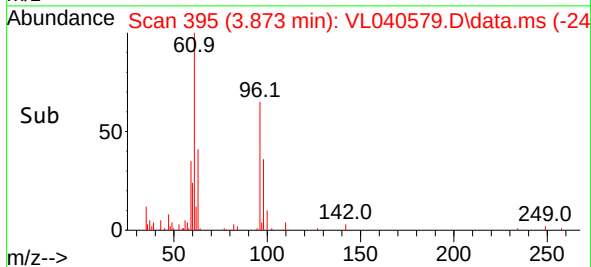
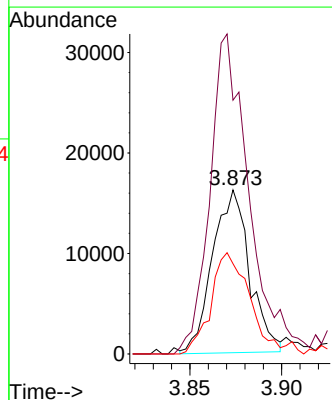
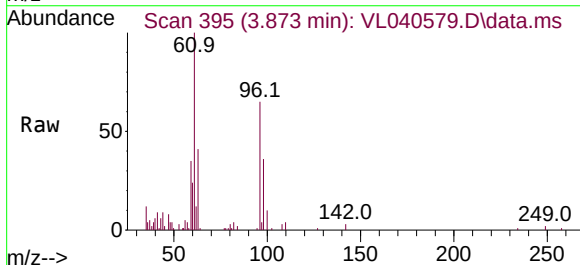
Manual Integrations
APPROVED

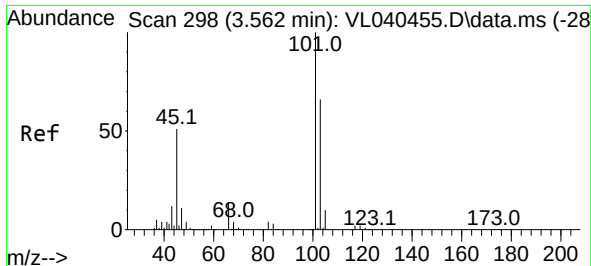
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#18
1,1-Dichloroethene
Concen: 0.424 ppbv
RT: 3.873 min Scan# 395
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

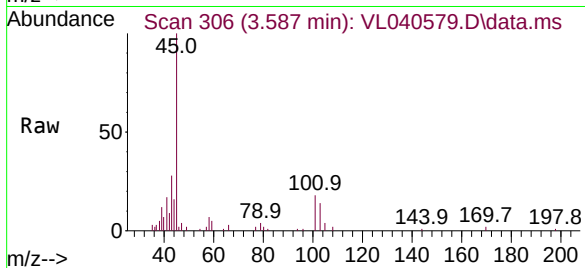
Tgt Ion: 96 Resp: 22735
Ion Ratio Lower Upper
96 100
61 154.0 154.4 231.6#
98 56.2 50.0 75.0





#19
Isopropyl Alcohol
Concen: 0.431 ppbv m
RT: 3.587 min Scan# 306
Delta R.T. 0.006 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

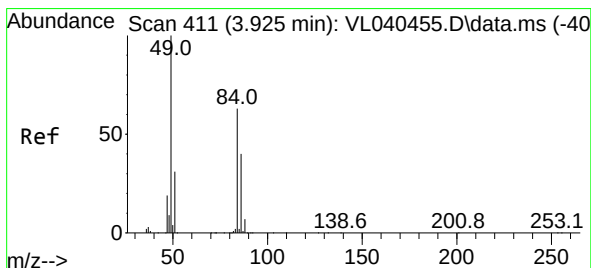
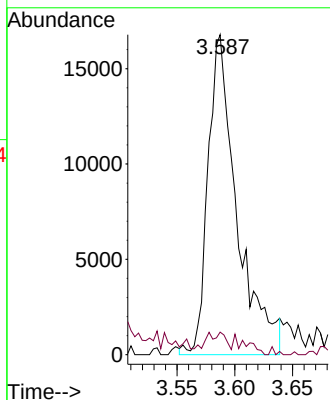
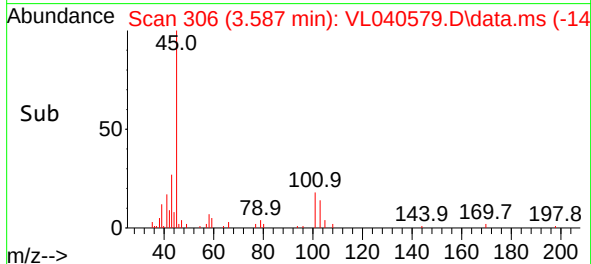
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



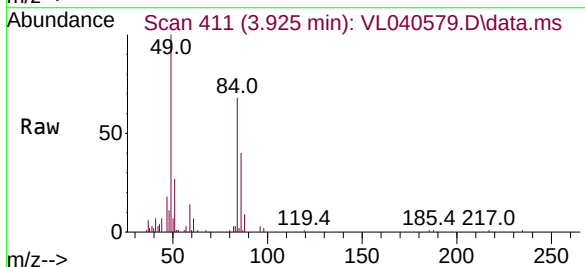
Tgt Ion: 45 Resp: 2920
Ion Ratio Lower Upper
45 100
58 8.4 1.1 1.7

Manual Integrations
APPROVED

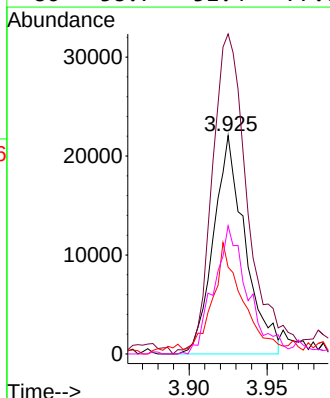
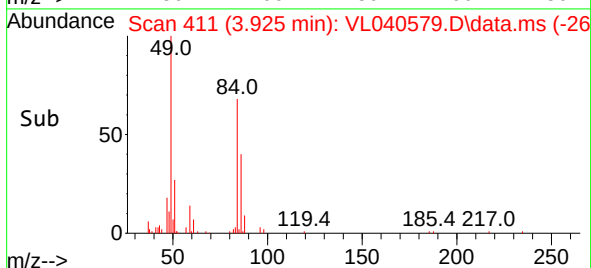
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

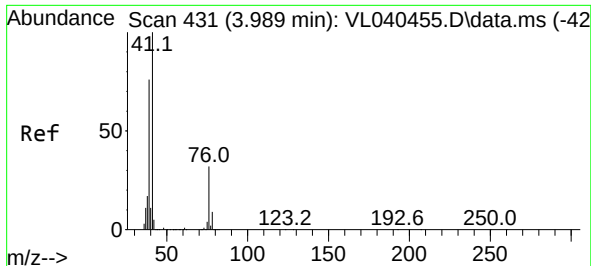


#20
Methylene Chloride
Concen: 0.620 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



Tgt Ion: 84 Resp: 31158
Ion Ratio Lower Upper
84 100
49 144.6 123.4 185.2
51 37.3 38.3 57.5#
86 58.7 51.4 77.0





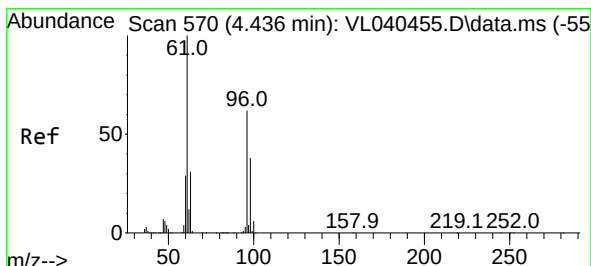
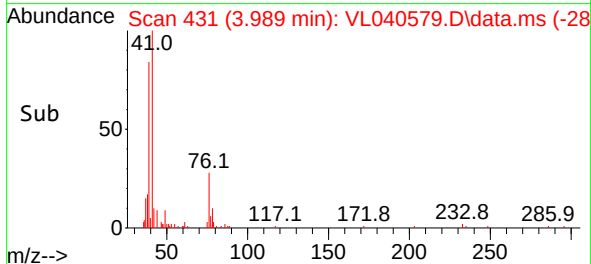
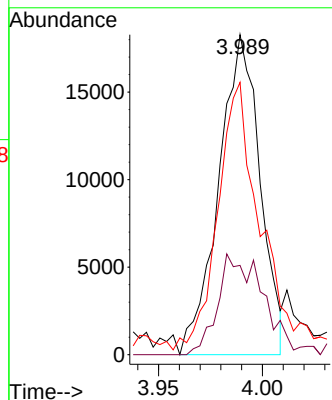
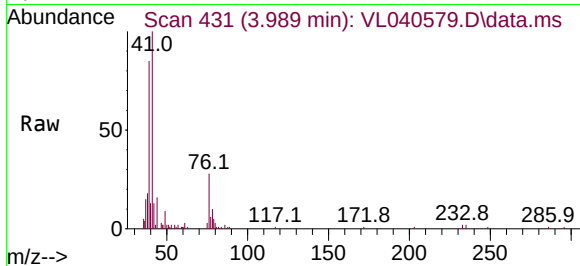
#21
 Allyl Chloride
 Concen: 0.374 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Tgt Ion: 41 Resp: 2524
 Ion Ratio Lower Upper
 41 100
 76 36.6 24.8 37.2
 39 90.7 60.6 91.0

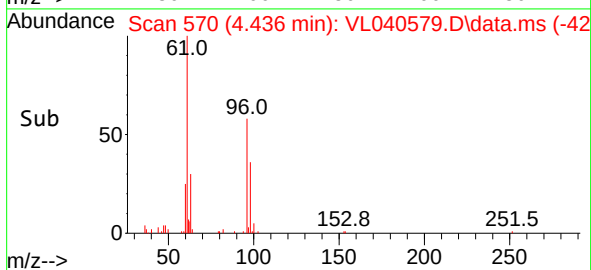
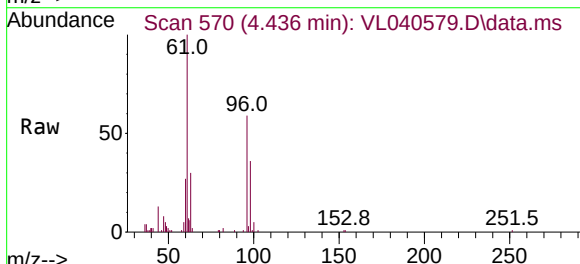
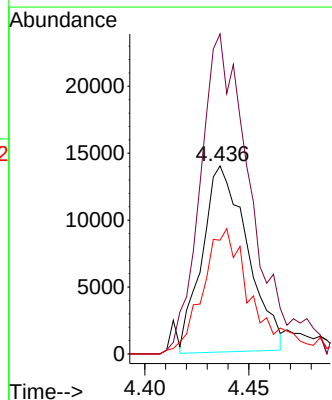
Manual Integrations
 APPROVED

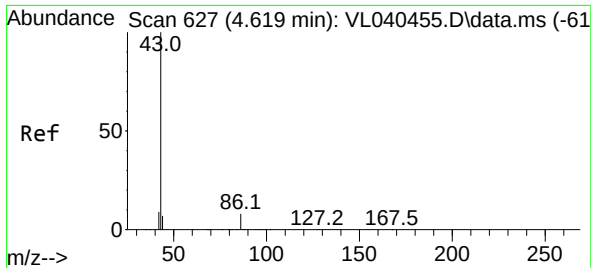
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.398 ppbv
 RT: 4.436 min Scan# 570
 Delta R.T. -0.016 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

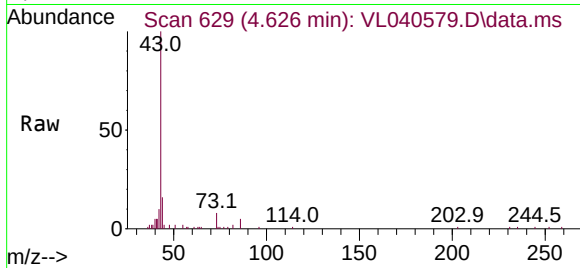
Tgt Ion: 96 Resp: 21072
 Ion Ratio Lower Upper
 96 100
 61 165.1 137.7 206.5
 98 56.1 52.9 79.3





#23
 Vinyl Acetate
 Concen: 0.462 ppbv m
 RT: 4.626 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

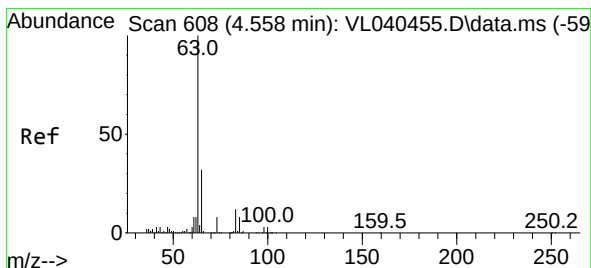
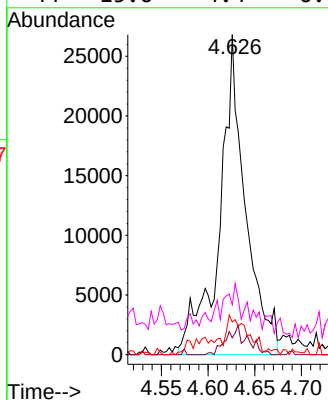
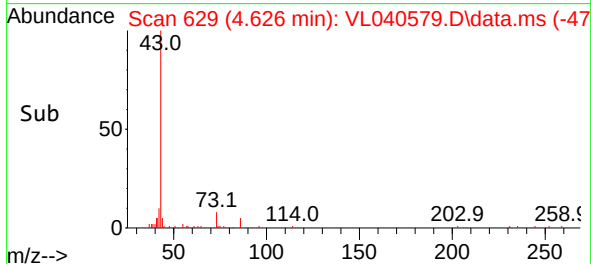
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



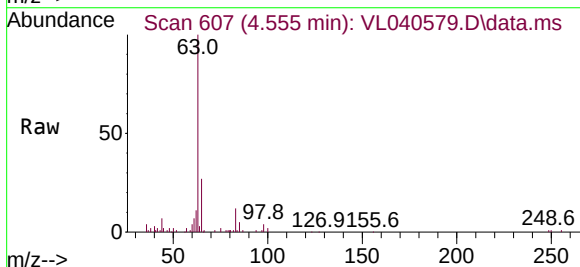
Tgt Ion: 43 Resp: 5200
 Ion Ratio Lower Upper
 43 100
 86 5.2 5.6 8.4
 42 10.2 7.4 11.2
 44 15.6 4.4 6.6#

Manual Integrations
 APPROVED

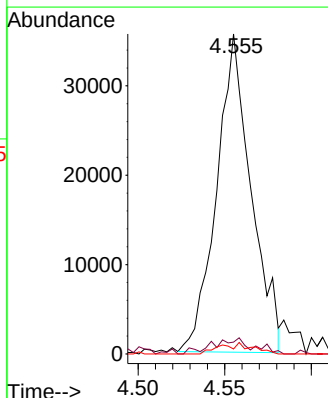
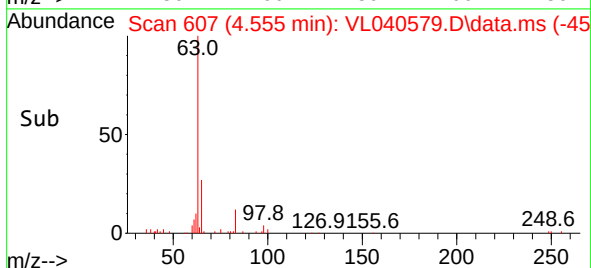
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023

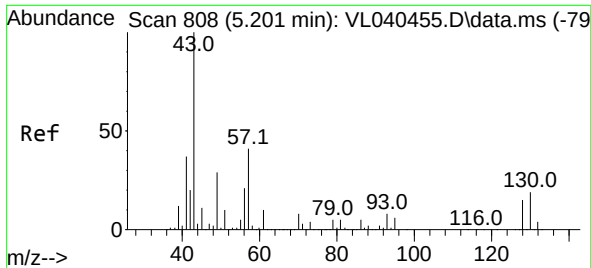


#24
 1,1-Dichloroethane
 Concen: 0.433 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.016 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20



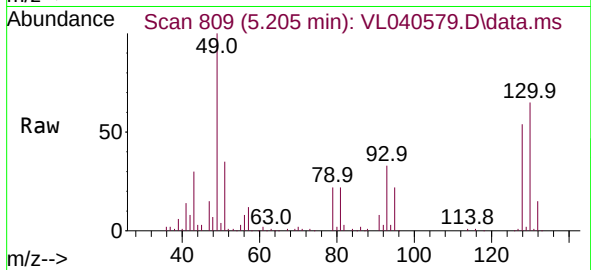
Tgt Ion: 63 Resp: 49491
 Ion Ratio Lower Upper
 63 100
 98 3.7 1.8 5.5
 100 1.5 1.4 4.0





#25
Ethyl Acetate
Concen: 0.339 ppbv
RT: 5.205 min Scan# 808
Delta R.T. -0.007 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

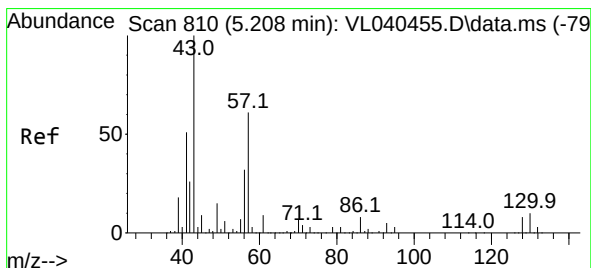
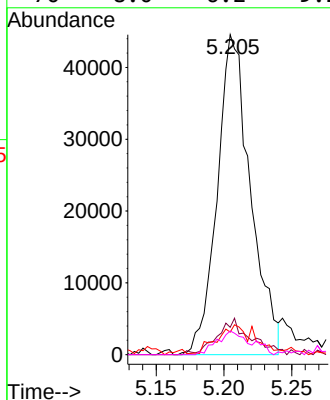
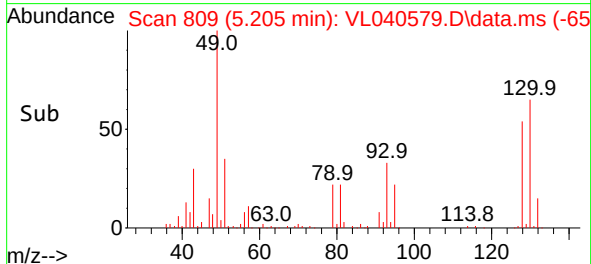
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



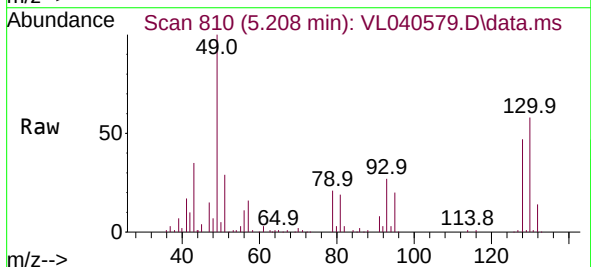
Tgt Ion: 43 Resp: 76239
Ion Ratio Lower Upper
43 100
45 11.6 8.2 12.4
61 12.2 8.3 12.5
70 8.0 6.2 9.2

Manual Integrations
APPROVED

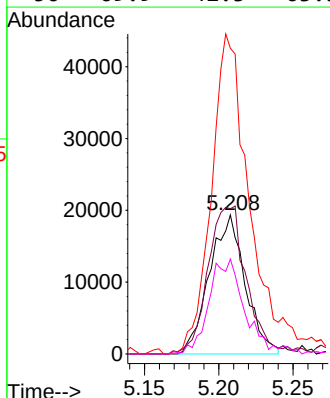
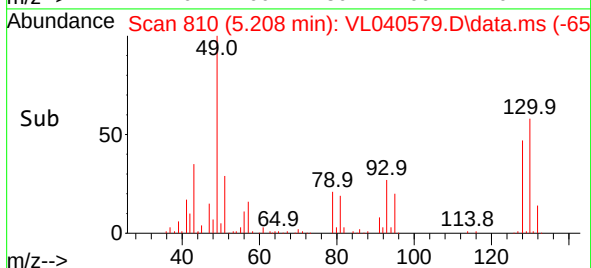
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

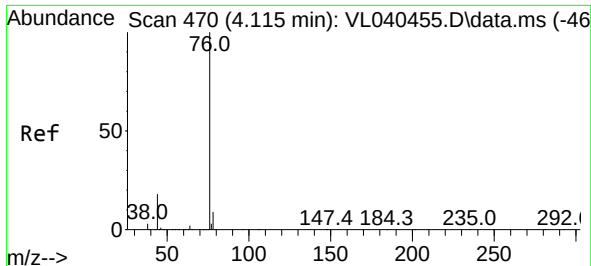


#26
Hexane
Concen: 0.311 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



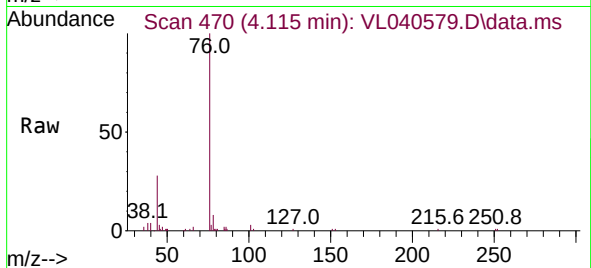
Tgt Ion: 57 Resp: 32432
Ion Ratio Lower Upper
57 100
41 118.5 69.5 104.3#
43 262.5 177.1 265.7
56 69.9 42.3 63.5#





#27
Carbon Disulfide
Concen: 0.423 ppbv
RT: 4.115 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

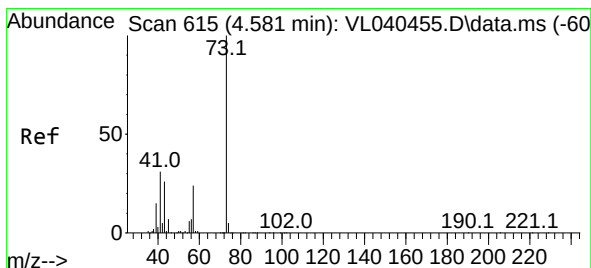
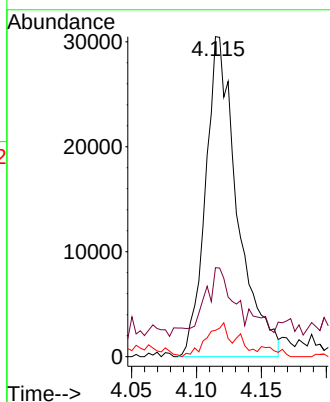
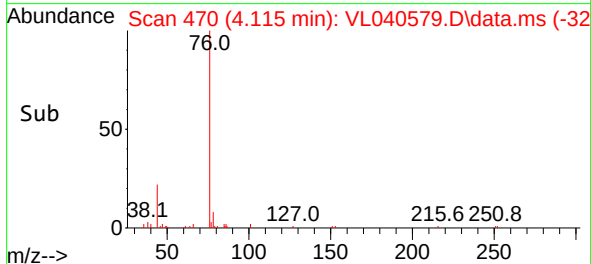
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



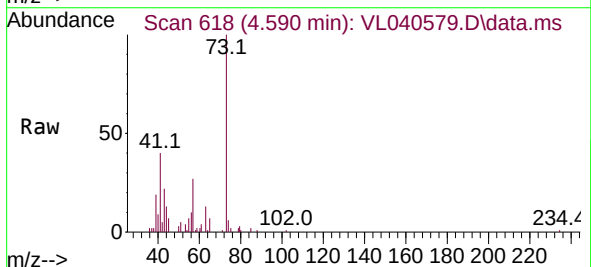
Tgt Ion: 76 Resp: 5193
Ion Ratio Lower Upper
76 100
44 23.1 15.1 22.7
78 11.4 7.5 11.3

Manual Integrations
APPROVED

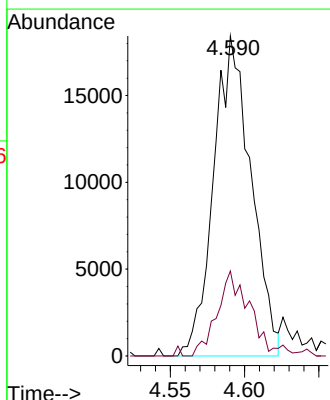
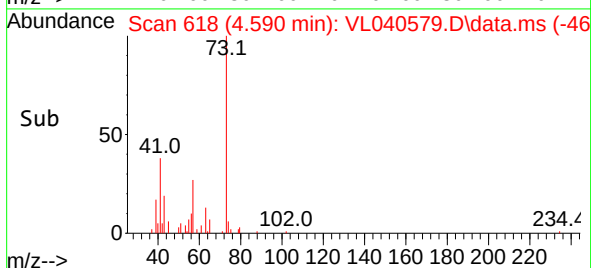
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

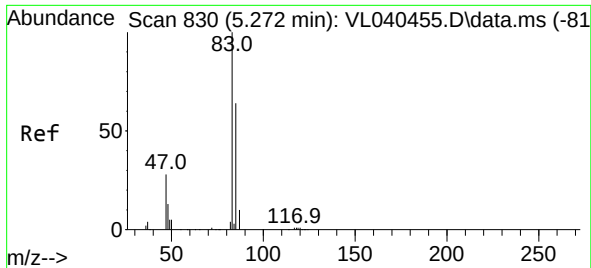


#28
Methyl tert-Butyl Ether
Concen: 0.384 ppbv
RT: 4.590 min Scan# 618
Delta R.T. -0.003 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



Tgt Ion: 73 Resp: 32257
Ion Ratio Lower Upper
73 100
57 24.3 18.8 28.2





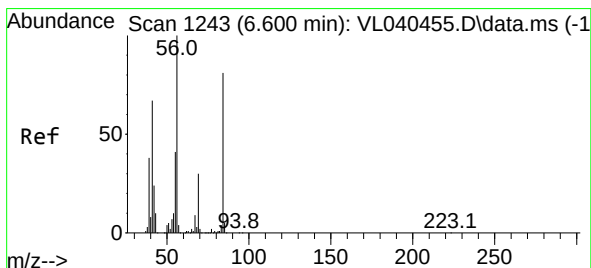
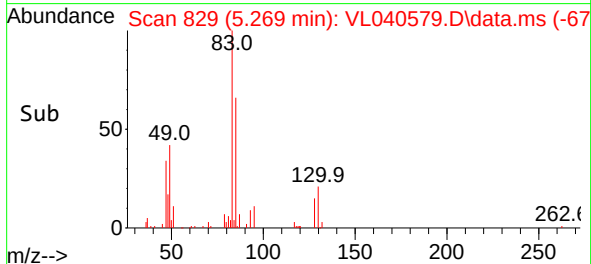
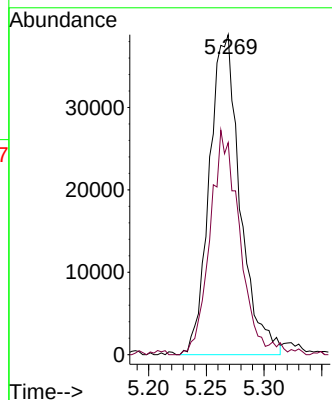
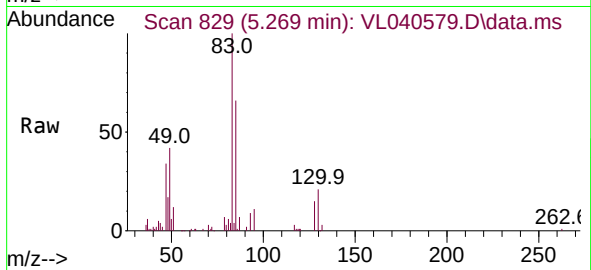
#29
Chloroform
Concen: 0.415 ppbv
RT: 5.269 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion: 83 Resp: 7184
Ion Ratio Lower Upper
83 100
85 66.3 51.1 76.7

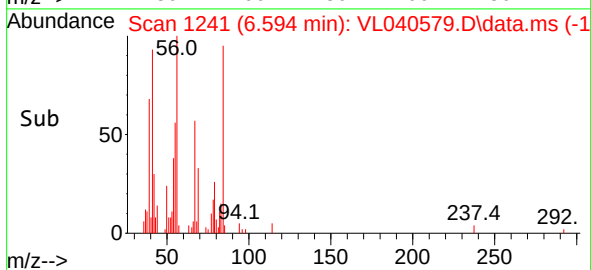
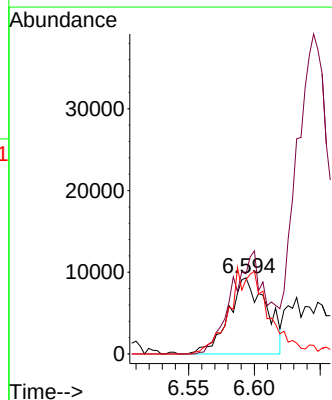
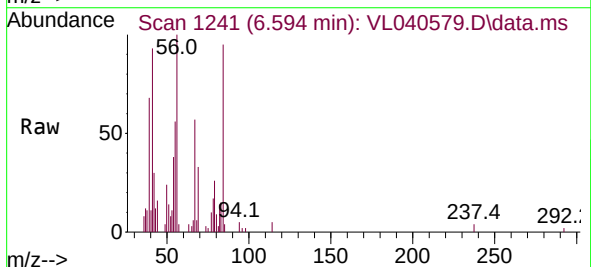
Manual Integrations
APPROVED

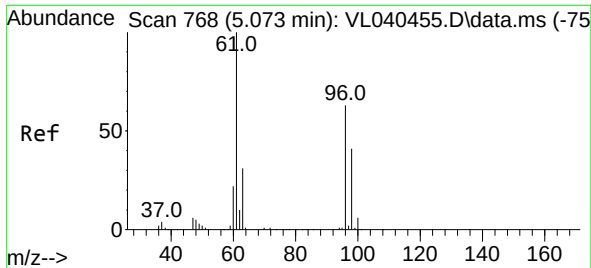
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#30
Cyclohexane
Concen: 0.213 ppbv m
RT: 6.594 min Scan# 1241
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

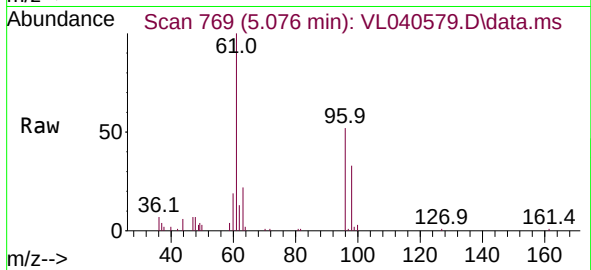
Tgt Ion: 84 Resp: 18535
Ion Ratio Lower Upper
84 100
56 0.0 108.7 163.1#
41 116.5 64.5 96.7#





#31
 cis-1,2-Dichloroethene
 Concen: 0.323 ppbv
 RT: 5.076 min Scan# 768
 Delta R.T. -0.010 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

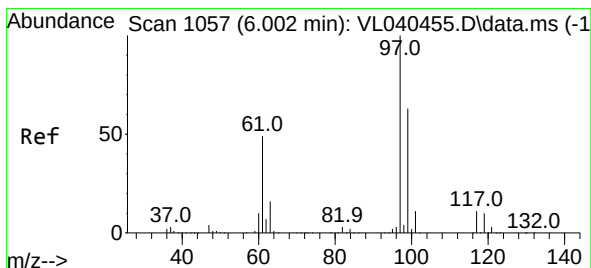
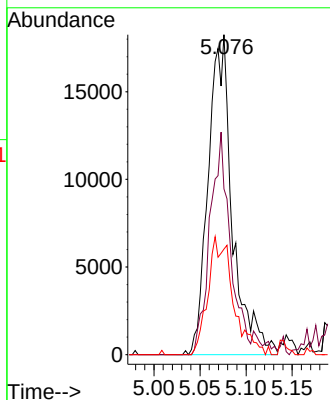
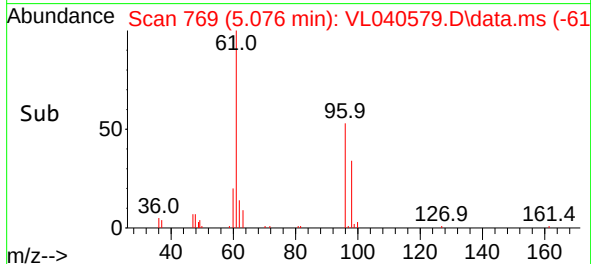
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion: 61 Resp: 33304
 Ion Ratio Lower Upper
 61 100
 96 51.8 54.7 82.1
 98 33.0 34.6 52.0

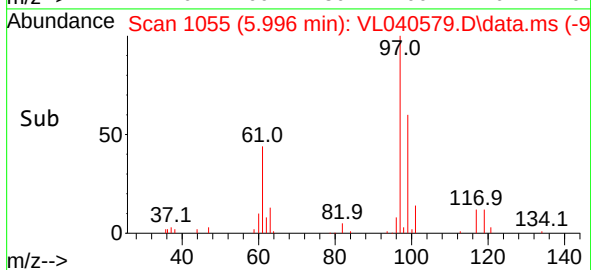
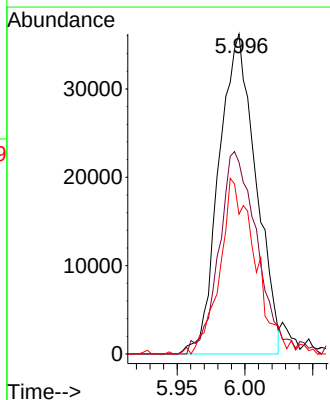
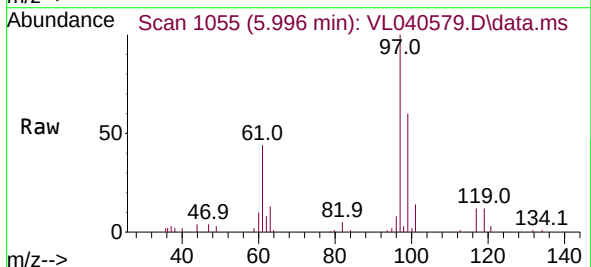
Manual Integrations
 APPROVED

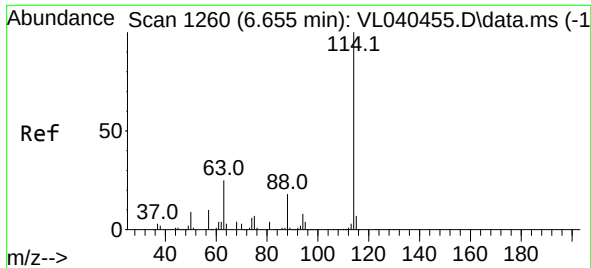
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.405 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.016 min
 Lab File: VL040579.D
 Acq: 31 Jul 2023 19:20

Tgt Ion: 97 Resp: 68695
 Ion Ratio Lower Upper
 97 100
 99 66.6 52.0 78.0
 61 53.4 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.019 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:114 Resp: 2539779

Ion Ratio Lower Upper

114 100

63 27.5 19.6 29.4

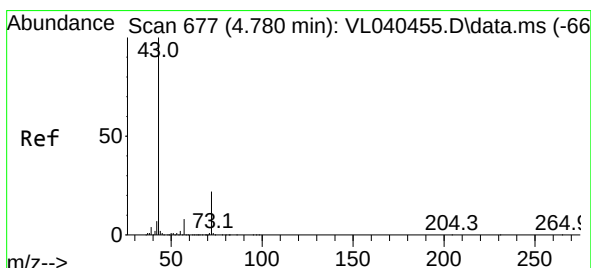
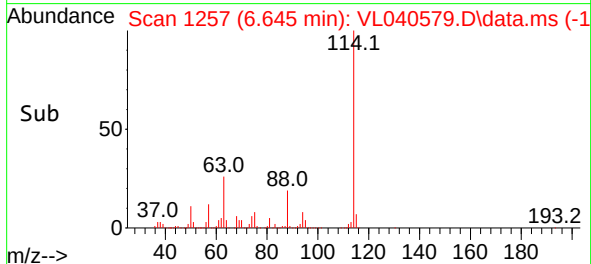
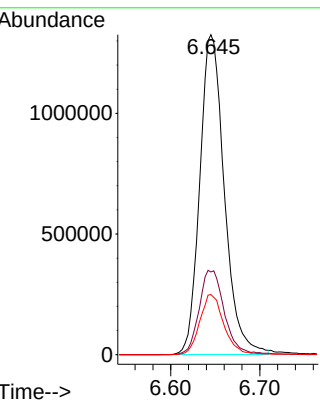
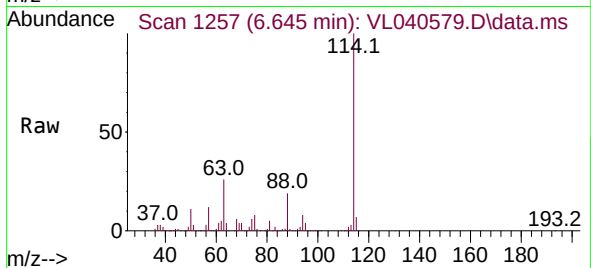
88 18.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#34

2-Butanone

Concen: 0.370 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.003 min

Lab File: VL040579.D

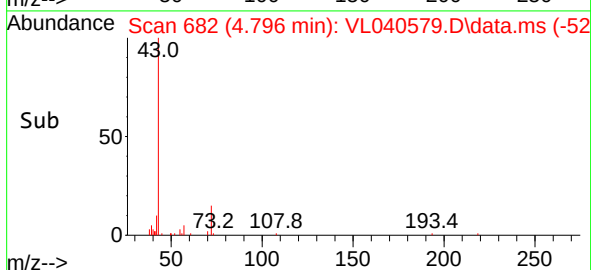
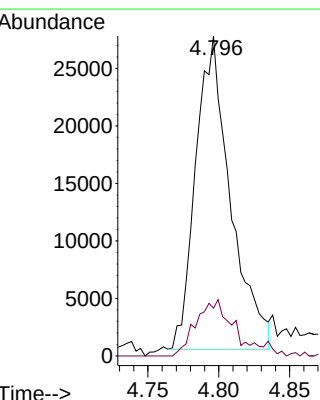
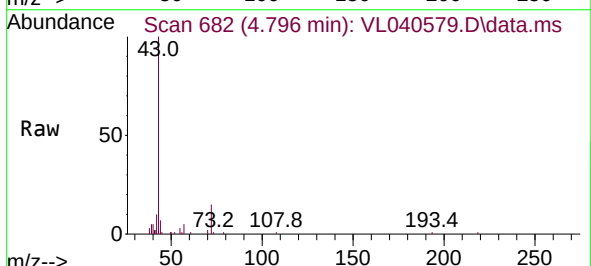
Acq: 31 Jul 2023 19:20

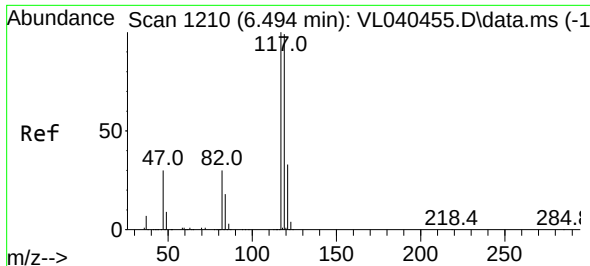
Tgt Ion: 43 Resp: 46407

Ion Ratio Lower Upper

43 100

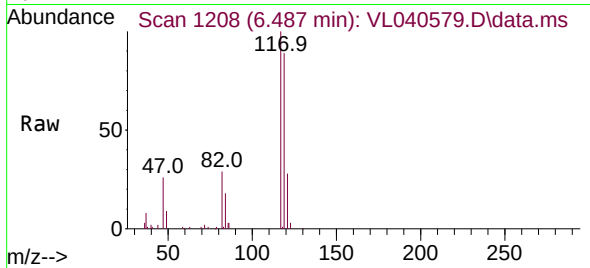
72 20.5 19.1 28.7





#35
Carbon Tetrachloride
Concen: 0.453 ppbv
RT: 6.487 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

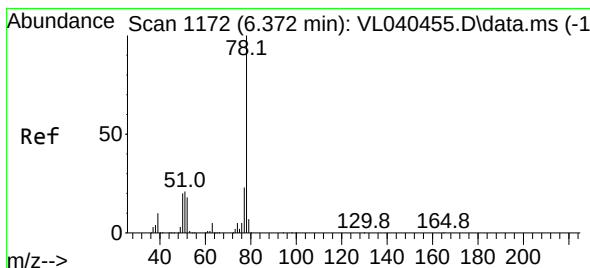
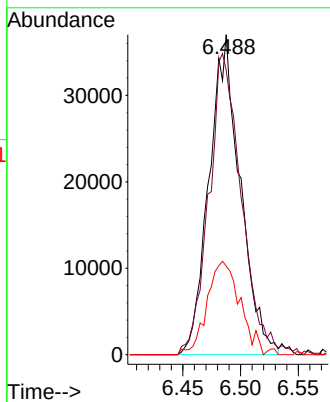
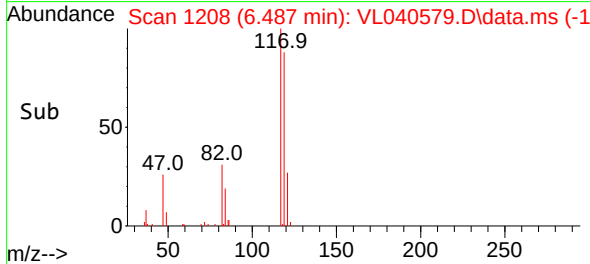
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 117 Resp: 6930
Ion Ratio Lower Upper
117 100
119 88.9 77.8 116.6
121 27.7 24.8 37.2

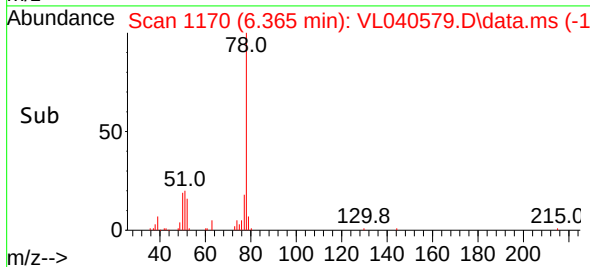
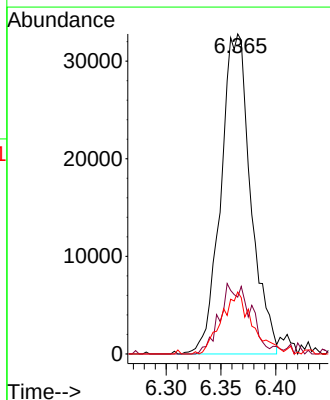
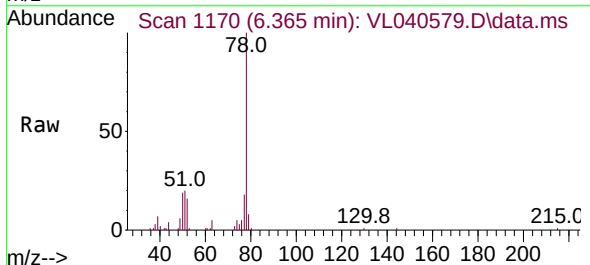
Manual Integrations
APPROVED

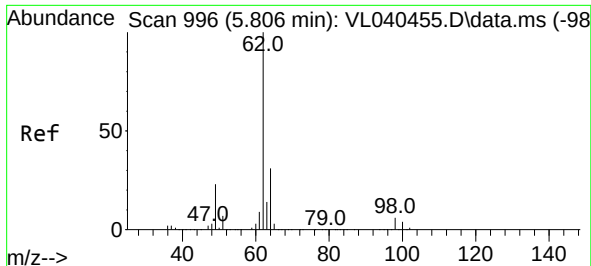
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#36
Benzene
Concen: 0.304 ppbv m
RT: 6.365 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion: 78 Resp: 62202
Ion Ratio Lower Upper
78 100
77 17.8 17.4 26.0
50 19.3 14.4 21.6





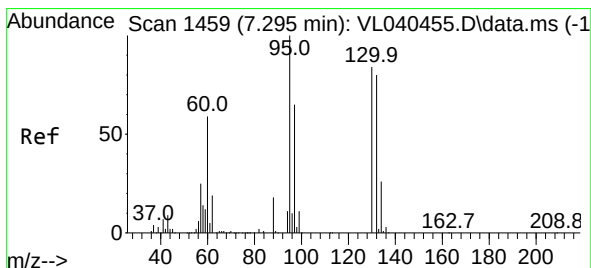
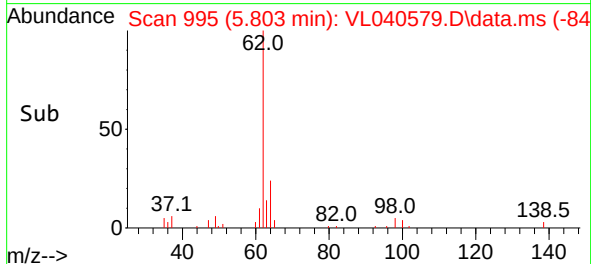
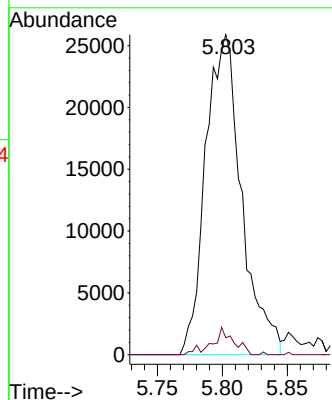
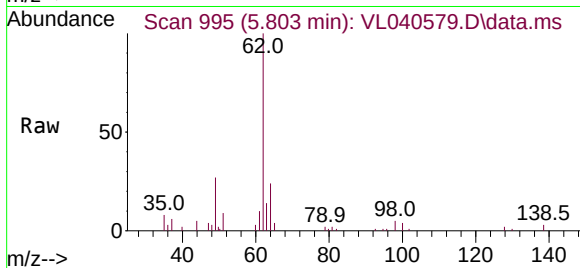
#37
1,2-Dichloroethane
Concen: 0.414 ppbv
RT: 5.803 min Scan# 996
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion: 62 Resp: 4980
Ion Ratio Lower Upper
62 100
98 5.1 5.1 7.7

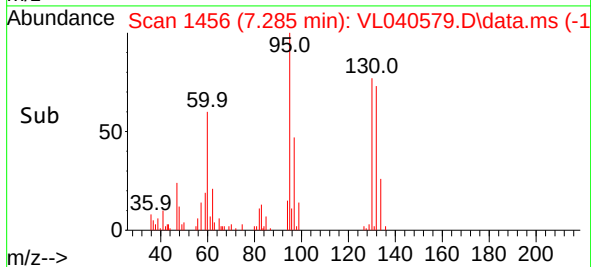
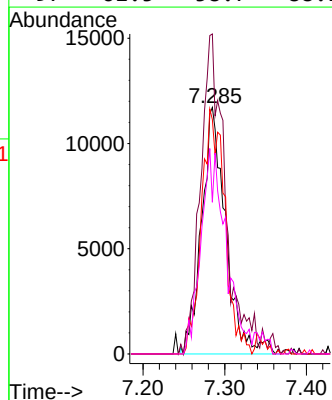
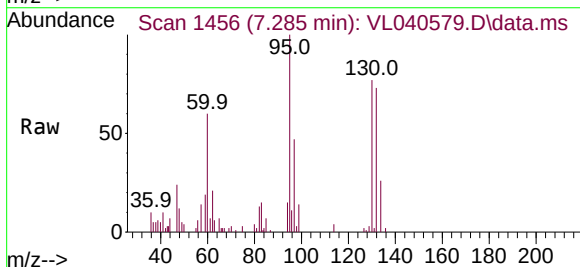
Manual Integrations
APPROVED

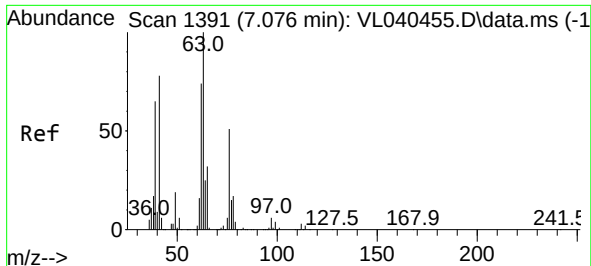
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#38
Trichloroethene
Concen: 0.310 ppbv m
RT: 7.285 min Scan# 1456
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion:130 Resp: 23956
Ion Ratio Lower Upper
130 100
95 129.8 90.2 135.2
132 95.1 76.3 114.5
97 61.5 58.7 88.1





#39

1,2-Dichloropropane

Concen: 0.355 ppbv m

RT: 7.060 min Scan# 1386

Delta R.T. -0.023 min

Lab File: VL040579.D

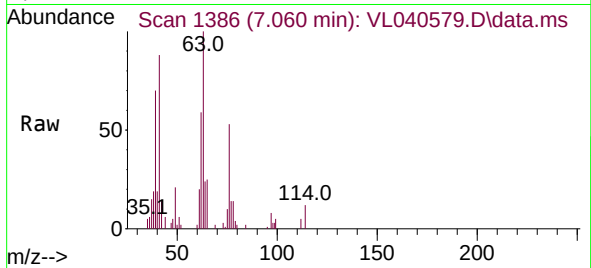
Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023



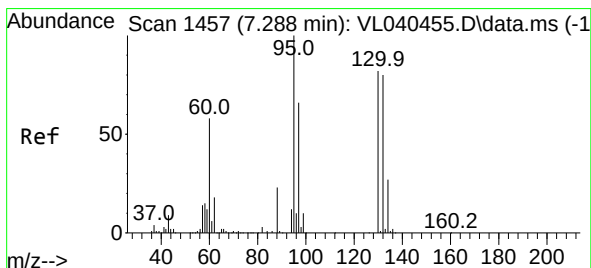
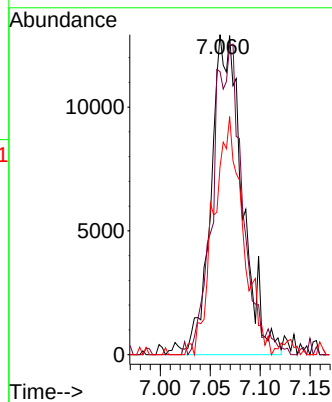
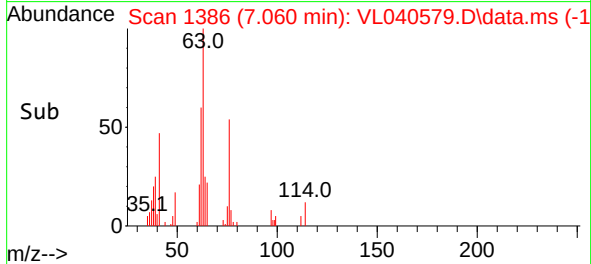
Tgt Ion:	63	Resp:	27949
Ion	Ratio	Lower	Upper
63	100		
41	88.4	54.3	81.5
62	58.8	55.6	83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#40

1,4-Dioxane

Concen: 0.295 ppbv m

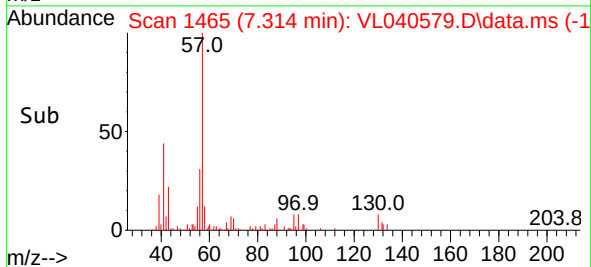
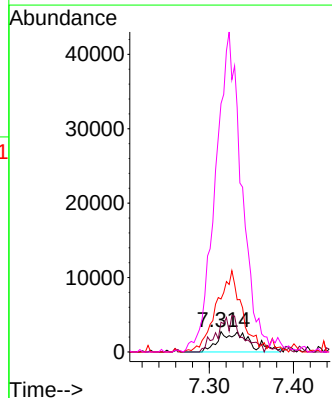
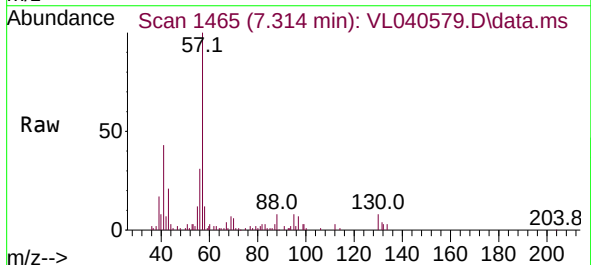
RT: 7.314 min Scan# 1465

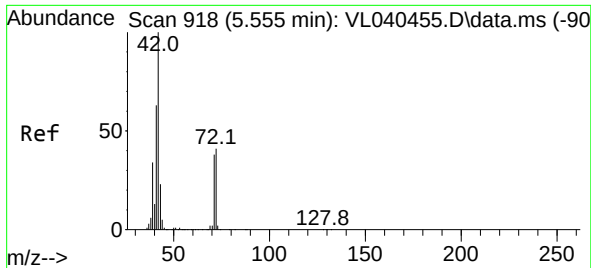
Delta R.T. 0.016 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

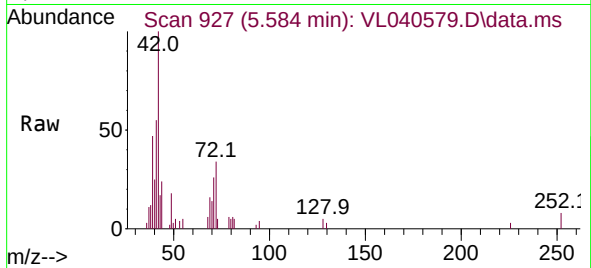
Tgt Ion:	88	Resp:	7253
Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.6	88.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.258 ppbv m
RT: 5.584 min Scan# 918
Delta R.T. 0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

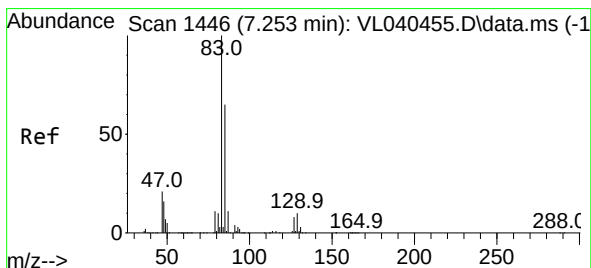
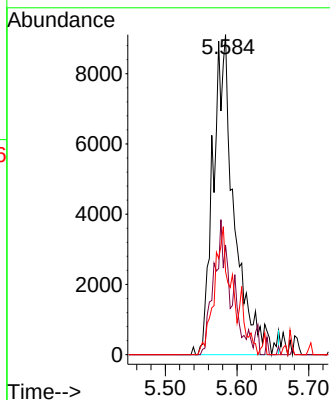
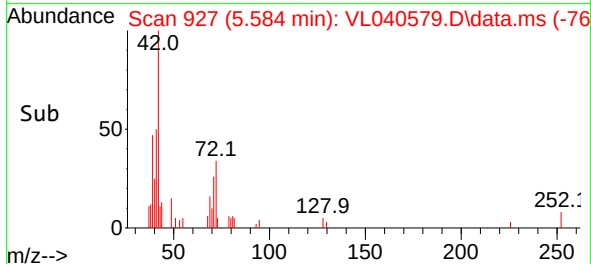
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 42 Resp: 1886
Ion Ratio Lower Upper
42 100
72 0.0 33.8 50.8
71 0.0 33.0 49.6

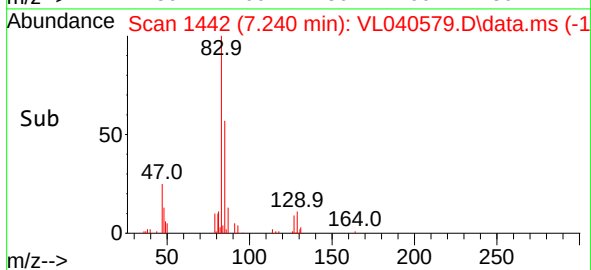
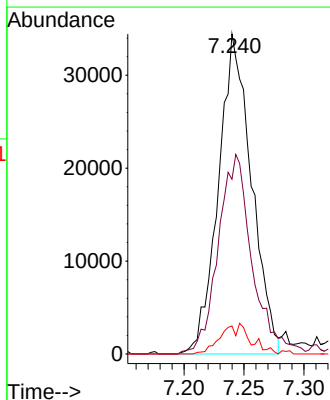
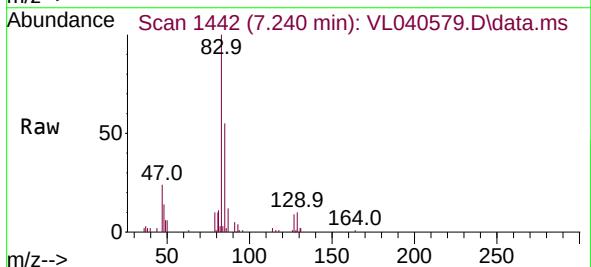
Manual Integrations
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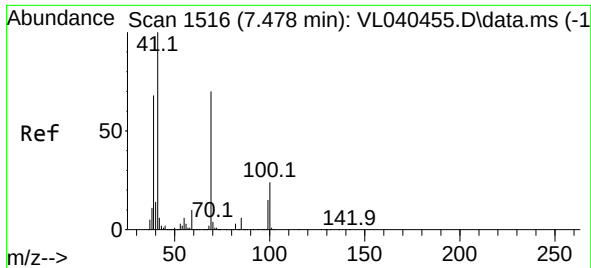
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#42
Bromodichloromethane
Concen: 0.396 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

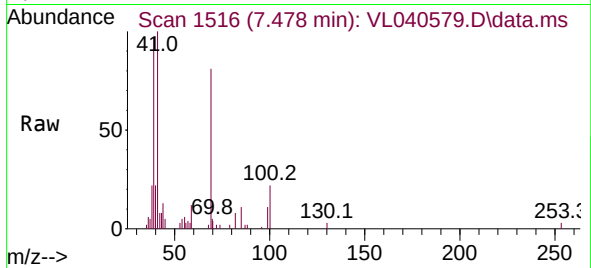
Tgt Ion: 83 Resp: 66159
Ion Ratio Lower Upper
83 100
85 54.6 51.1 76.7
127 9.2 6.5 9.7





#43
Methyl Methacrylate
Concen: 0.227 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. -0.007 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

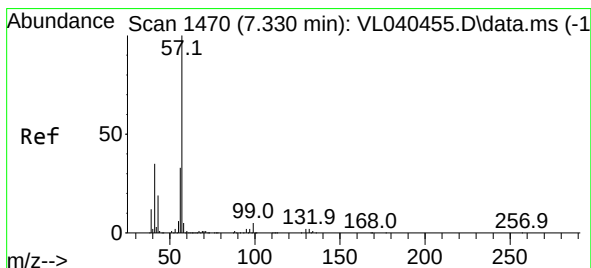
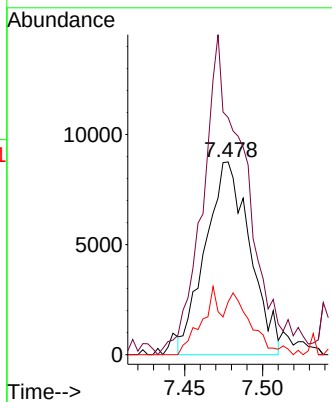
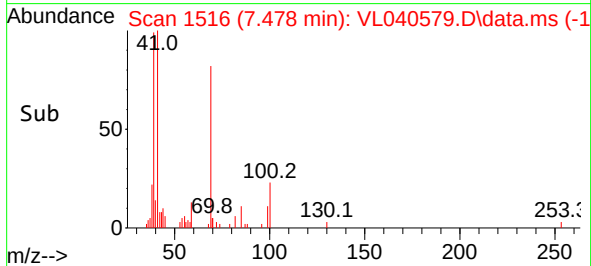
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 69 Resp: 17359
Ion Ratio Lower Upper
69 100
41 157.2 111.7 167.5
100 32.9 26.9 40.3

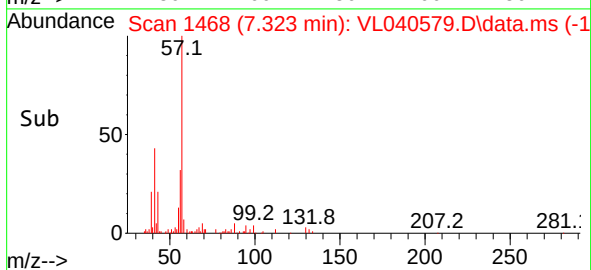
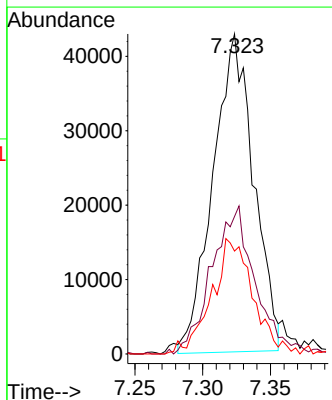
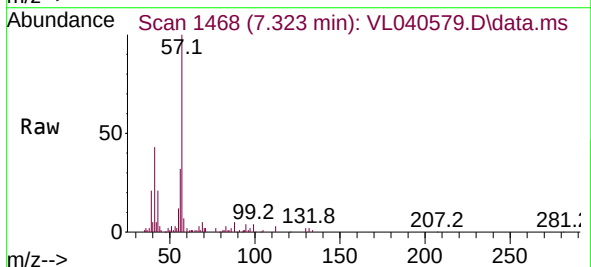
Manual Integrations
APPROVED

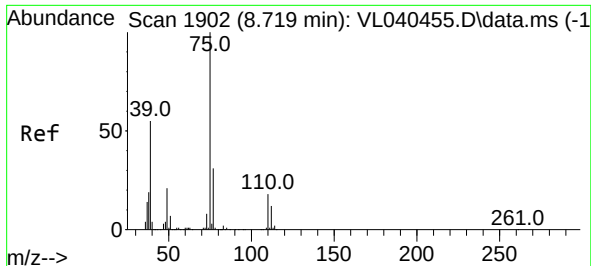
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#44
2,2,4-Trimethylpentane
Concen: 0.272 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion: 57 Resp: 89369
Ion Ratio Lower Upper
57 100
41 50.7 25.5 38.3#
56 37.5 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.234 ppbv

RT: 8.706 min Scan# 11472

Delta R.T. -0.016 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion: 75 Resp: 11472

Ion Ratio Lower Upper

75 100

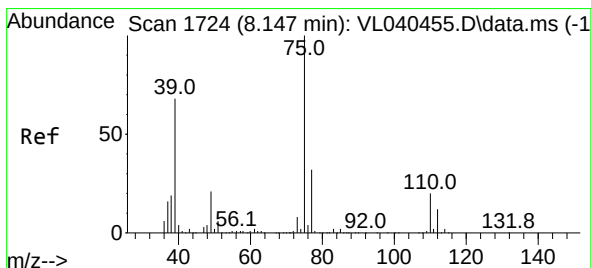
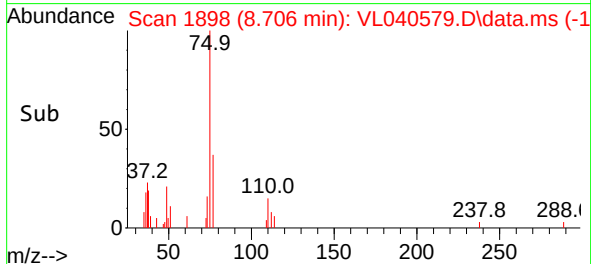
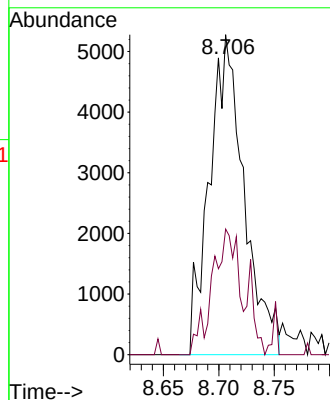
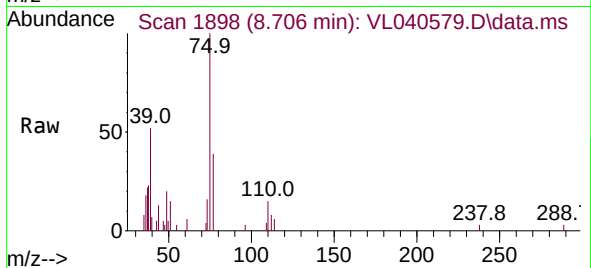
77 39.2 26.0 39.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#46

cis-1,3-Dichloropropene

Concen: 0.253 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. -0.019 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

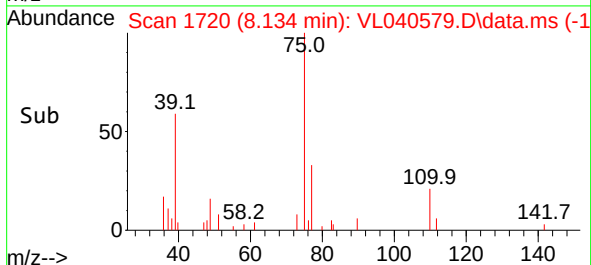
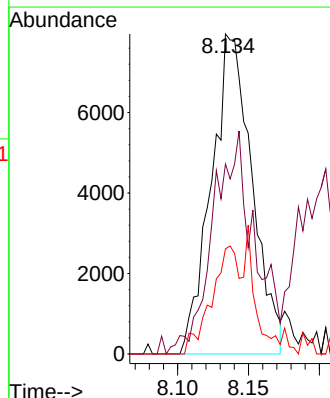
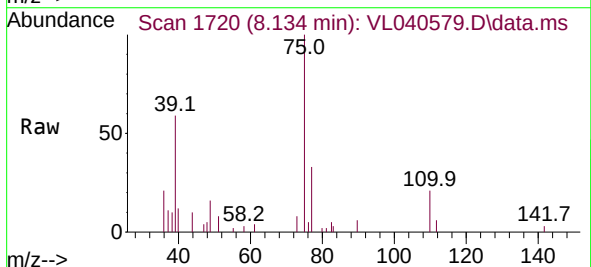
Tgt Ion: 75 Resp: 15898

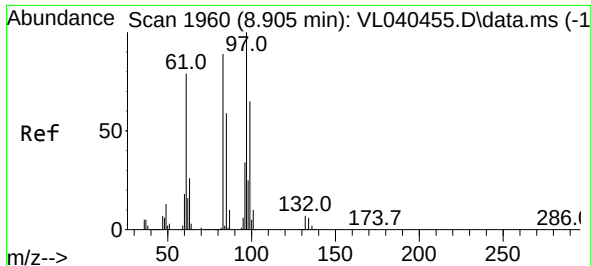
Ion Ratio Lower Upper

75 100

39 53.6 48.0 72.0

77 32.8 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 0.362 ppbv m

RT: 8.893 min Scan# 1960

Delta R.T. -0.016 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion: 97 Resp: 3138

Ion Ratio Lower Upper

97 100

83 84.4 73.4 110.0

85 48.5 46.6 70.0

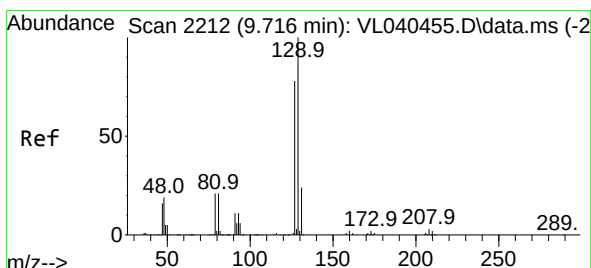
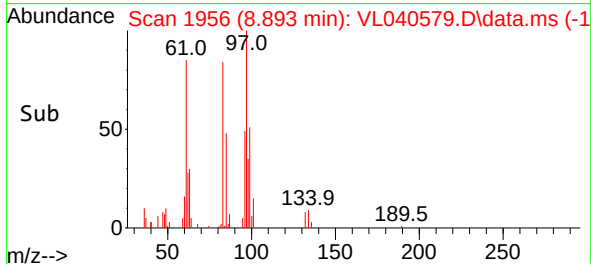
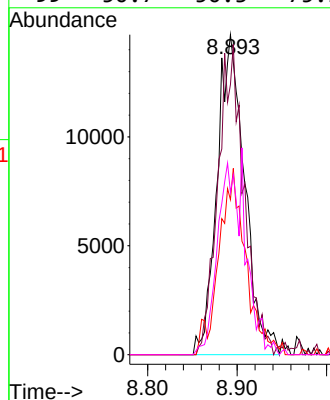
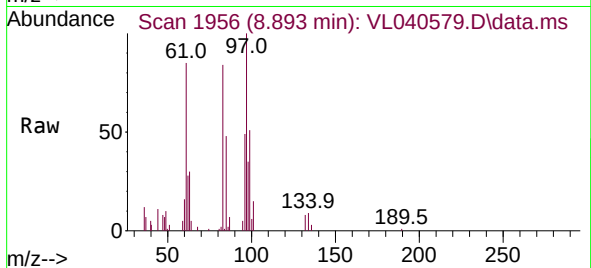
99 50.7 50.3 75.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#48

Dibromochloromethane

Concen: 0.349 ppbv m

RT: 9.700 min Scan# 2207

Delta R.T. -0.023 min

Lab File: VL040579.D

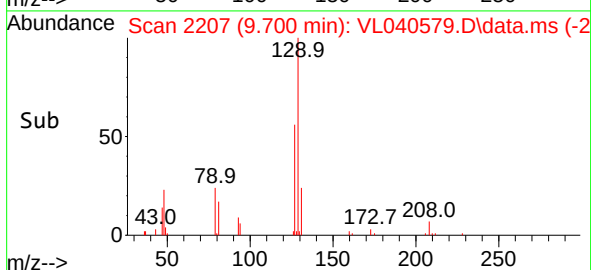
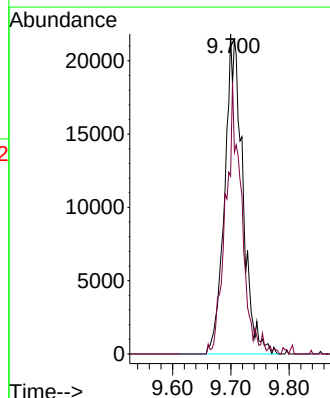
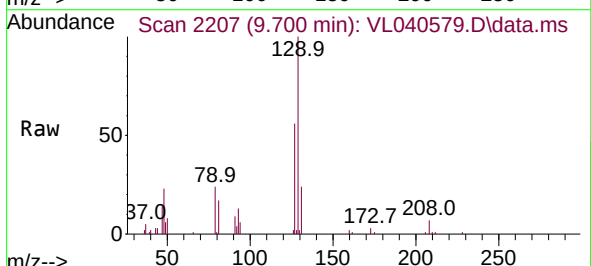
Acq: 31 Jul 2023 19:20

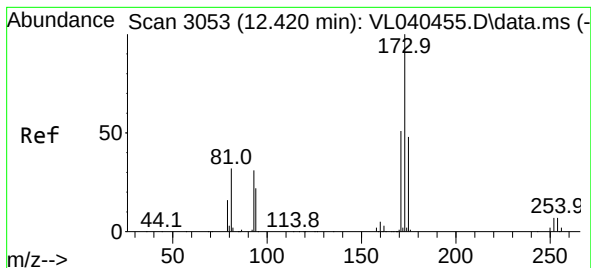
Tgt Ion:129 Resp: 46780

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#





#49

Bromoform

Concen: 0.334 ppbv m

RT: 12.400 min Scan# 3053

Delta R.T. -0.023 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

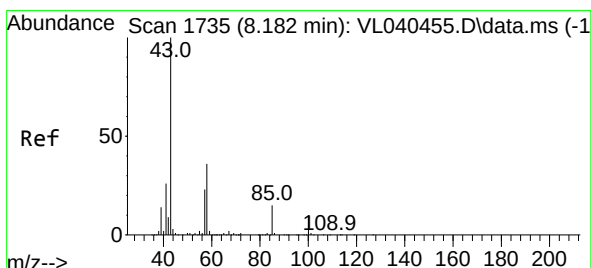
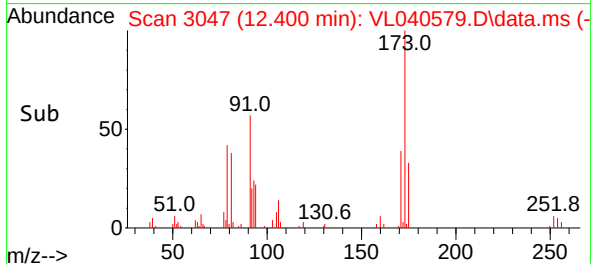
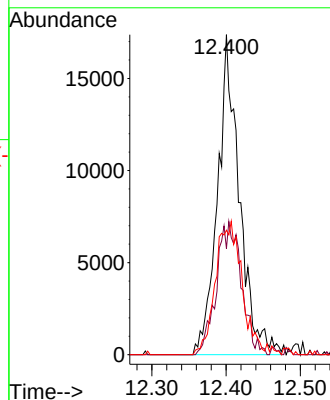
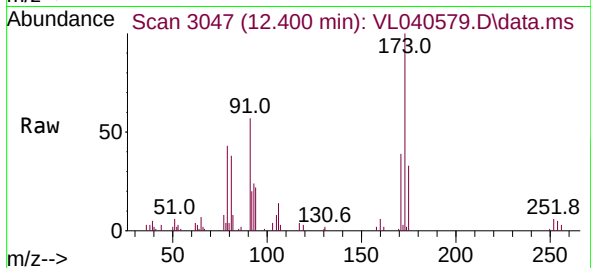
MDL-AIR-03-QT3-2023

Tgt Ion:173 Resp: 3554
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.5 59.3
 171 50.5 42.2 63.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#50

4-Methyl-2-Pentanone

Concen: 0.268 ppbv m

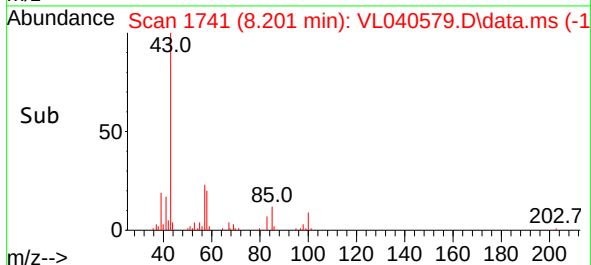
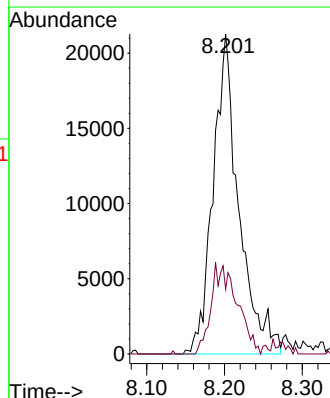
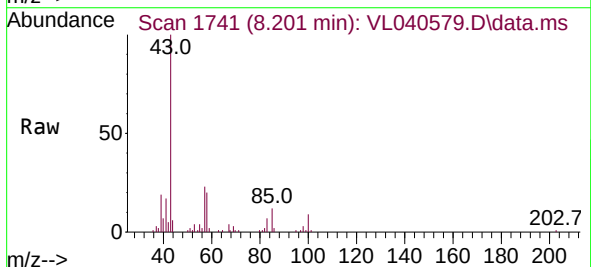
RT: 8.201 min Scan# 1741

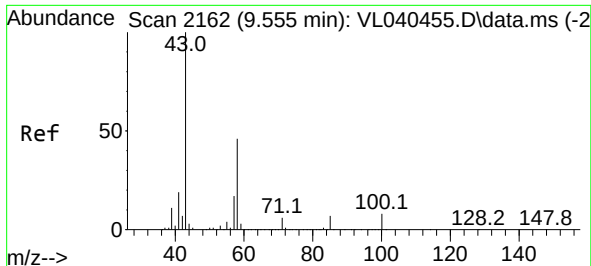
Delta R.T. 0.010 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

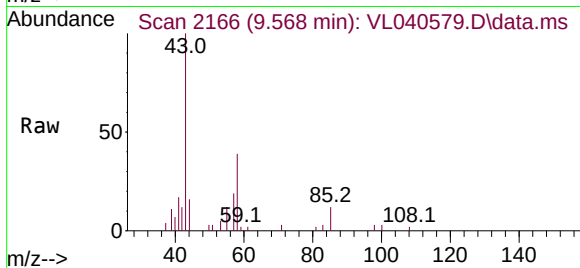
Tgt Ion: 43 Resp: 48880
 Ion Ratio Lower Upper
 43 100
 58 31.2 30.2 45.2





#51
2-Hexanone
Concen: 0.218 ppbv m
RT: 9.568 min Scan# 2162
Delta R.T. 0.007 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

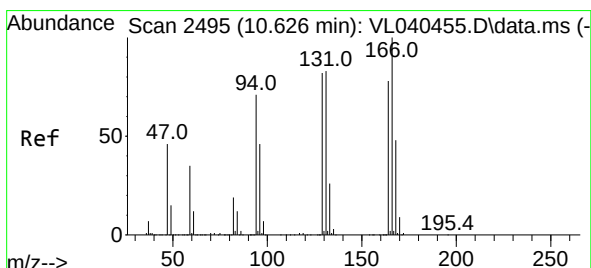
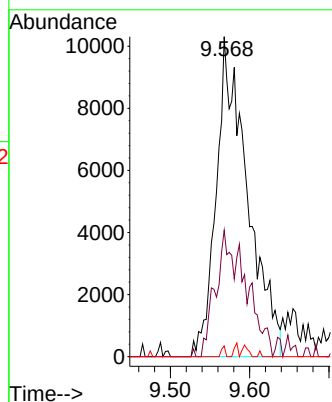
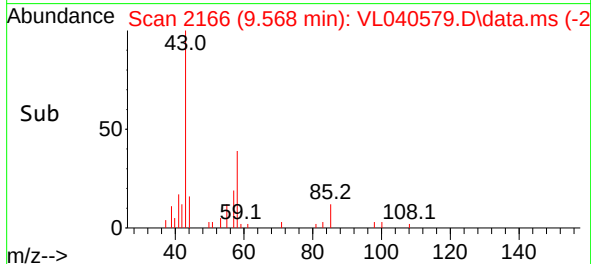
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
58 39.5 39.7 59.5
98 0.0 0.3 0.5

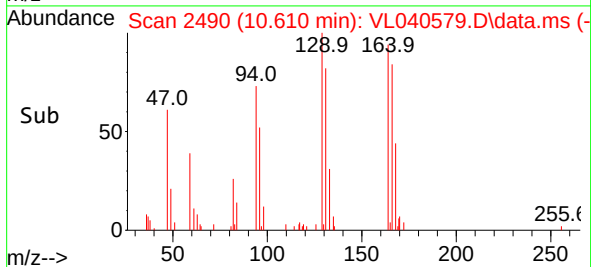
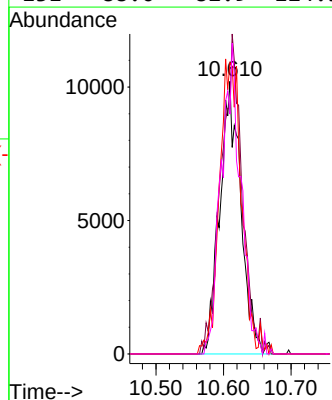
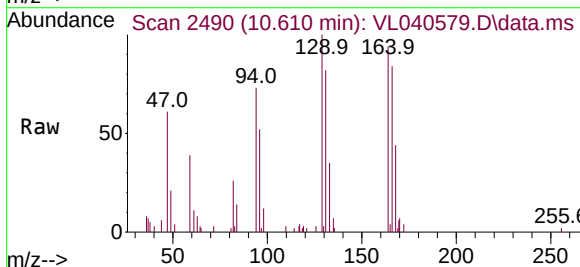
Manual Integrations
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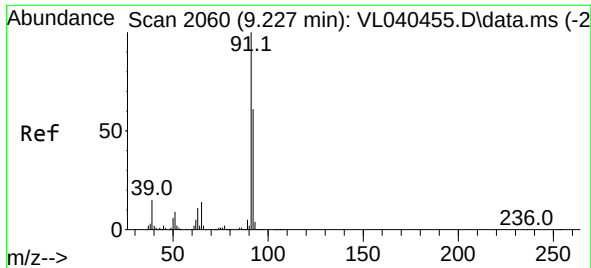
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#52
Tetrachloroethene
Concen: 0.337 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion:164 Resp: 22288
Ion Ratio Lower Upper
164 100
166 90.0 103.9 155.9#
129 106.9 84.6 126.8
131 88.0 82.9 124.3





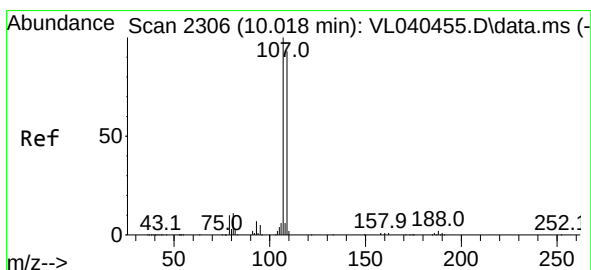
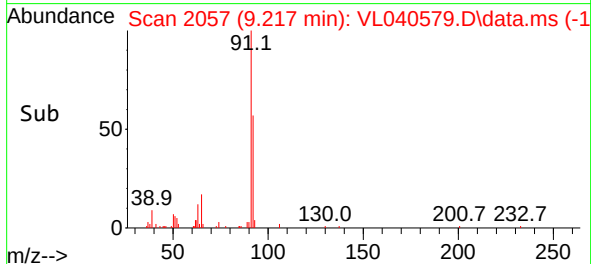
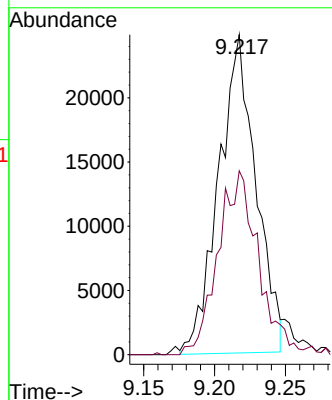
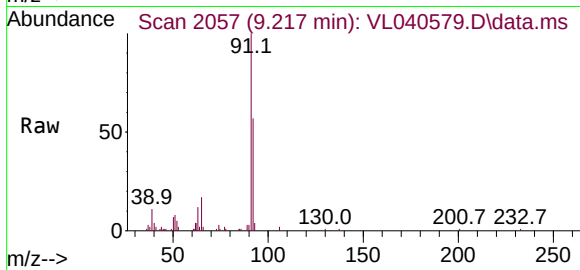
#53
Toluene
Concen: 0.205 ppbv
RT: 9.217 min Scan# 2060
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023

Tgt Ion: 91 Resp: 45460
Ion Ratio Lower Upper
91 100
92 63.5 49.1 73.7

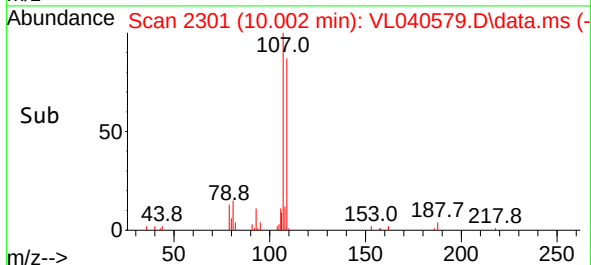
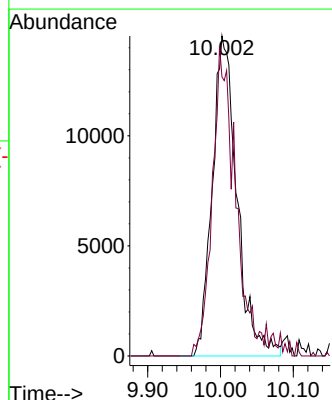
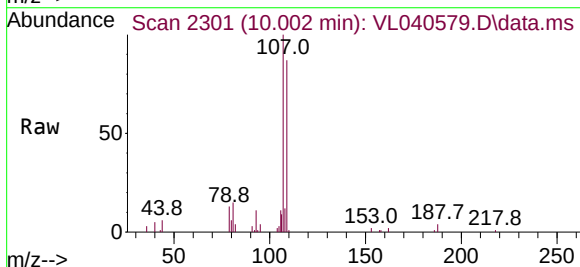
Manual Integrations
APPROVED

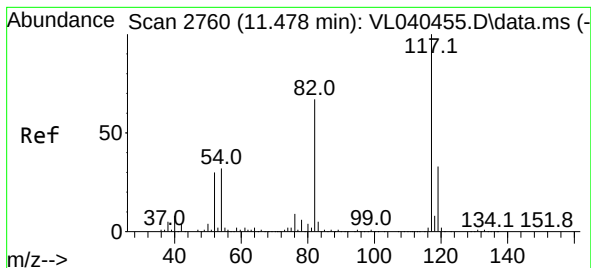
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#54
1,2-Dibromoethane
Concen: 0.317 ppbv m
RT: 10.002 min Scan# 2301
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion:107 Resp: 34174
Ion Ratio Lower Upper
107 100
109 87.2 75.4 113.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 21

Delta R.T. -0.016 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:117 Resp: 222497

Ion Ratio Lower Upper

117 100

82 69.2 50.2 75.4

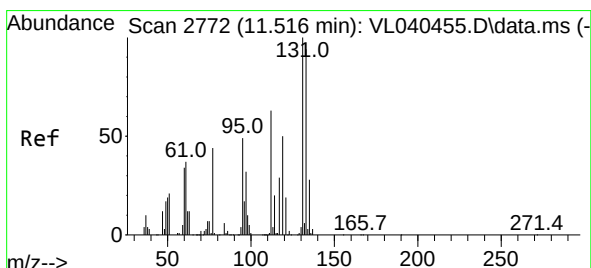
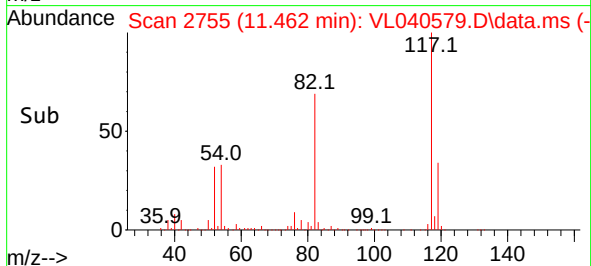
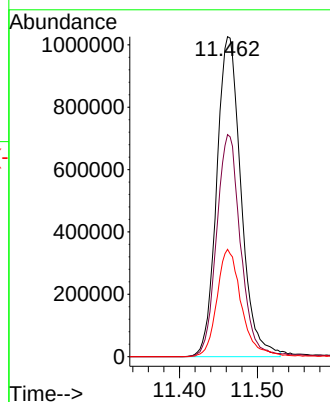
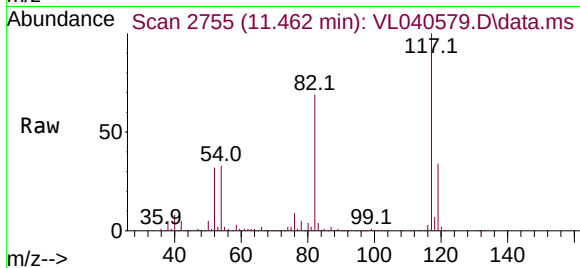
119 34.1 26.9 40.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#56

1,1,1,2-Tetrachloroethane

Concen: 0.420 ppbv

RT: 11.503 min Scan# 2768

Delta R.T. -0.016 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

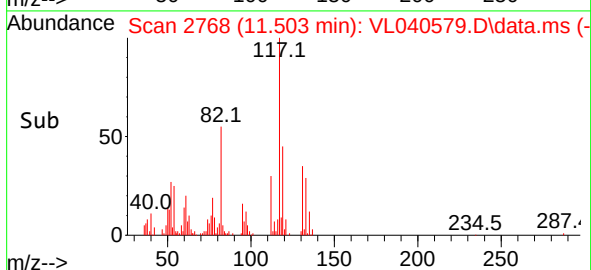
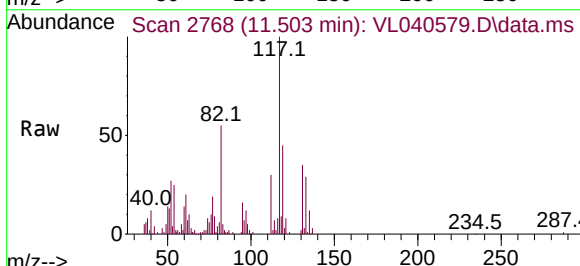
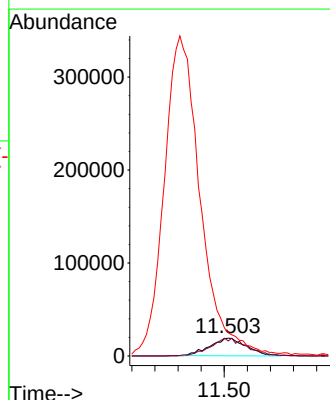
Tgt Ion:131 Resp: 41845

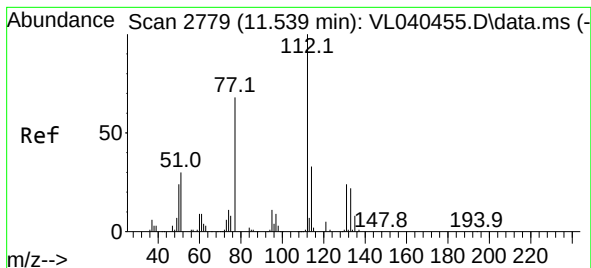
Ion Ratio Lower Upper

131 100

133 99.2 76.3 114.5

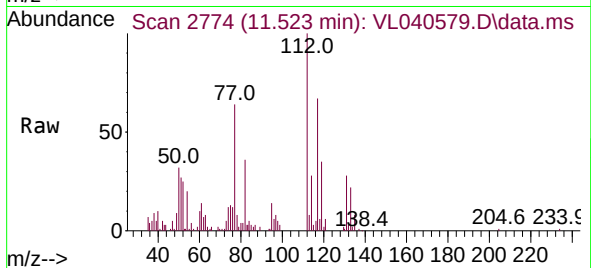
119 1815.2 51.1 76.7#





#57
Chlorobenzene
Concen: 0.385 ppbv m
RT: 11.523 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

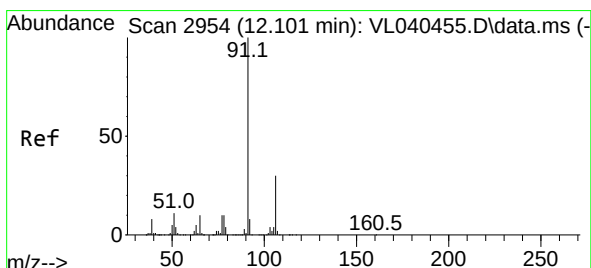
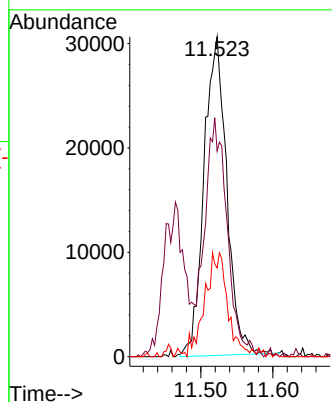
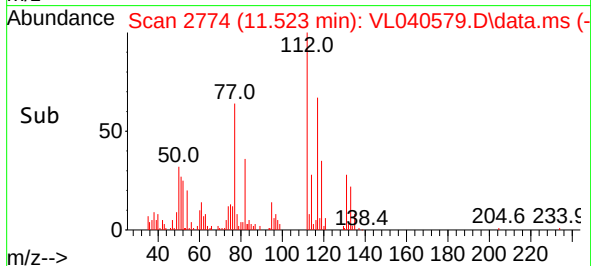
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 112 Resp: 66799
Ion Ratio Lower Upper
112 100
77 64.2 51.0 76.6
114 27.8 28.3 34.5

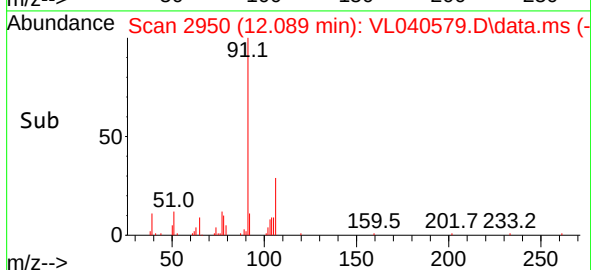
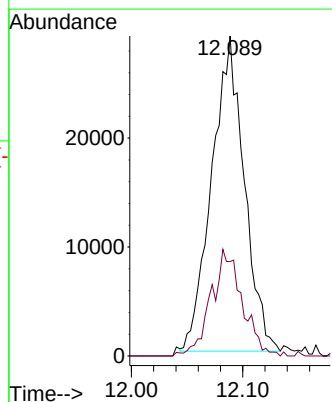
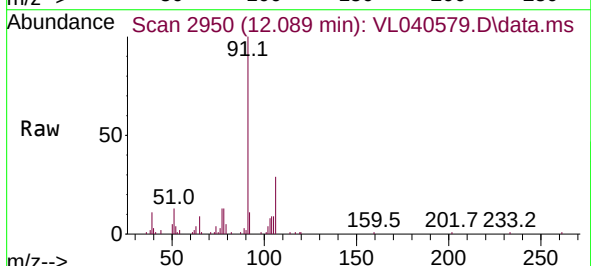
Manual Integrations
APPROVED

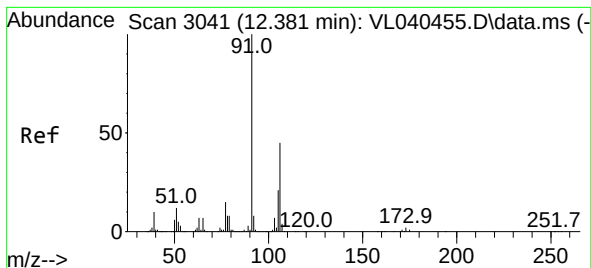
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#58
Ethyl Benzene
Concen: 0.210 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

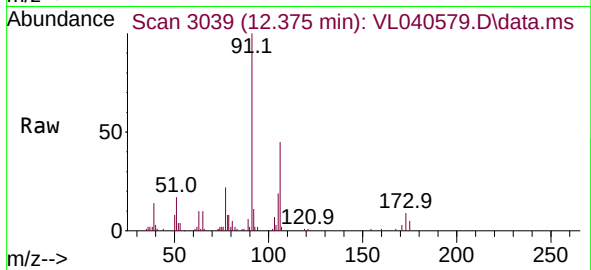
Tgt Ion: 91 Resp: 58715
Ion Ratio Lower Upper
91 100
106 29.9 25.4 38.0





#59
m/p-Xylene
Concen: 0.542 ppbv m
RT: 12.375 min Scan# 3041
Delta R.T. -0.010 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

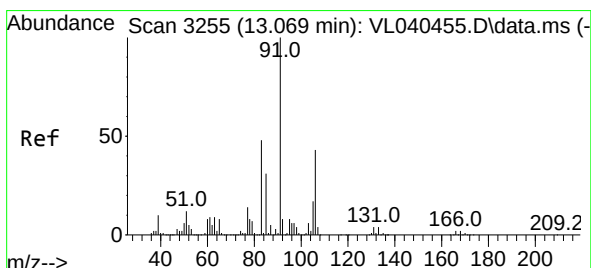
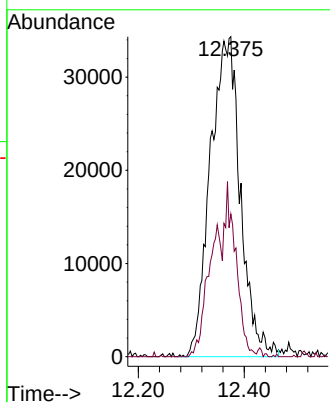
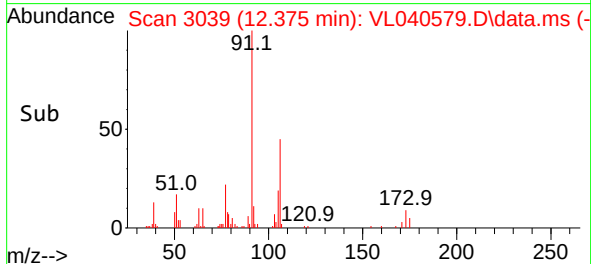
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



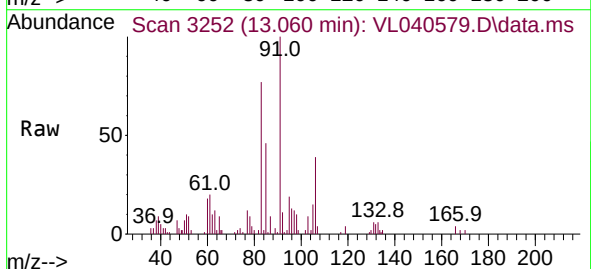
Tgt Ion: 91 Resp: 134960
Ion Ratio Lower Upper
91 100
106 41.2 35.9 53.9

Manual Integrations
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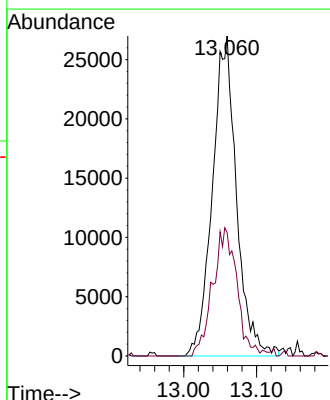
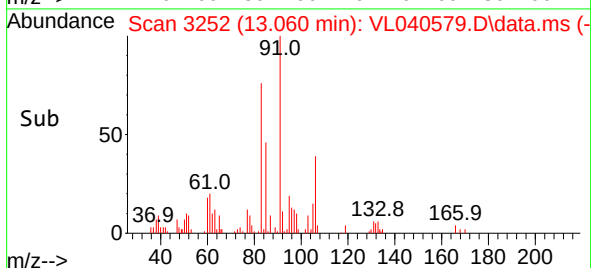
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

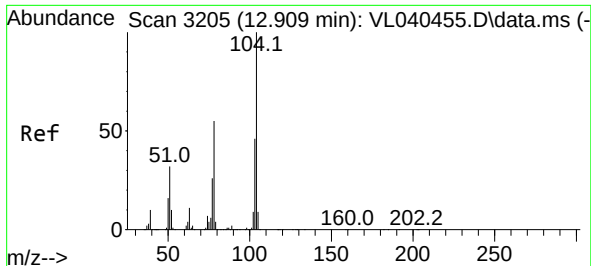


#60
o-Xylene
Concen: 0.261 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. -0.010 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



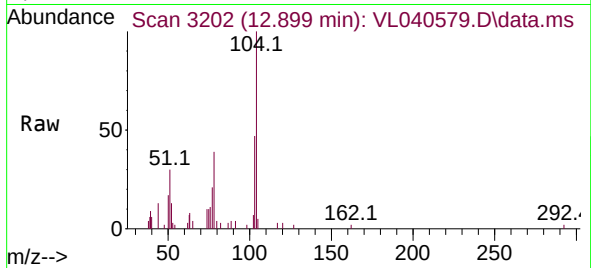
Tgt Ion: 91 Resp: 61960
Ion Ratio Lower Upper
91 100
106 0.0 22.7 68.0#





#61
Styrene
Concen: 0.174 ppbv m
RT: 12.899 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

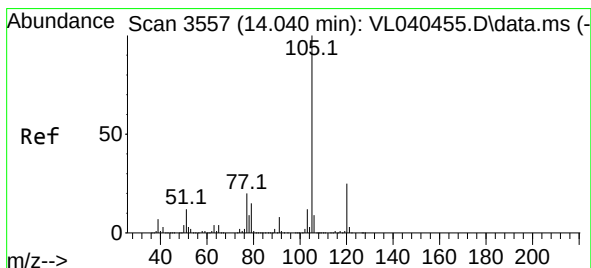
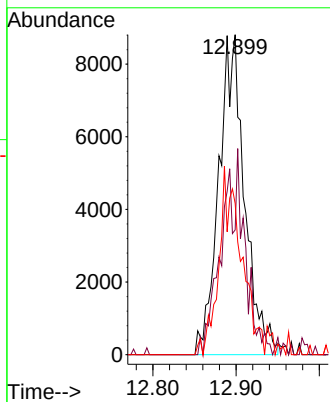
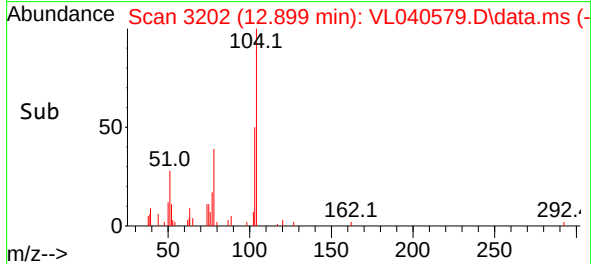
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



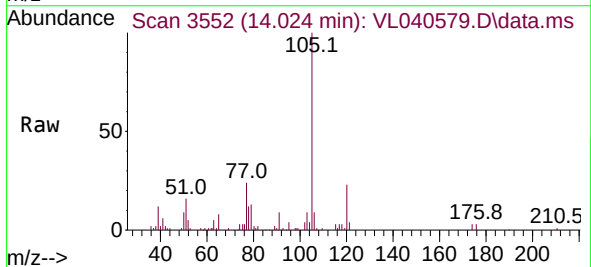
Tgt Ion:104 Resp: 19018
Ion Ratio Lower Upper
104 100
78 0.0 40.1 60.1
103 50.8 37.0 55.4

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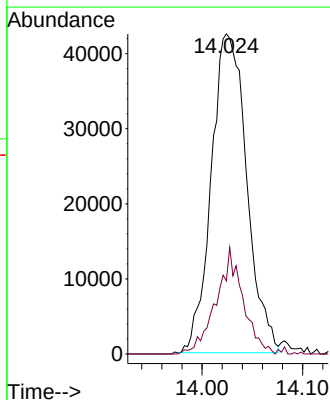
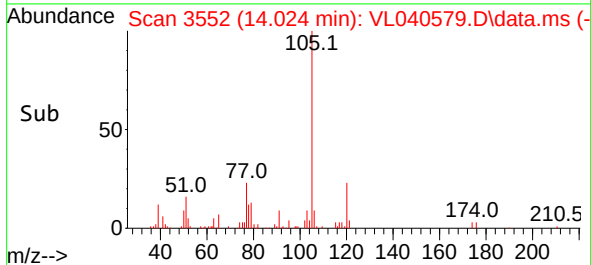
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

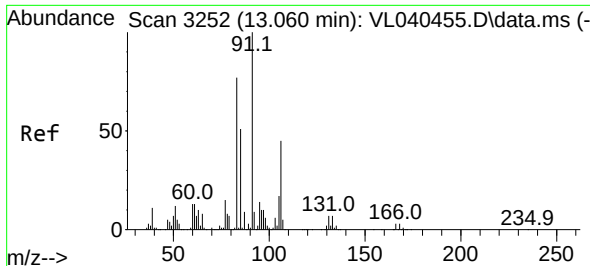


#62
Isopropylbenzene
Concen: 0.292 ppbv
RT: 14.024 min Scan# 3552
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



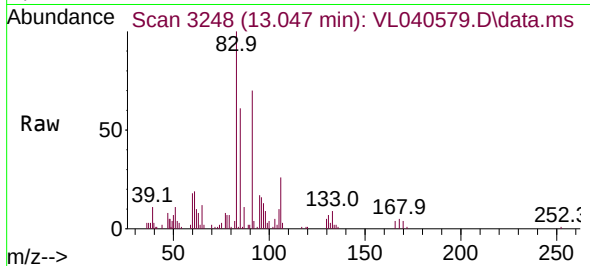
Tgt Ion:105 Resp: 104002
Ion Ratio Lower Upper
105 100
120 25.2 20.8 31.2





#63
1,1,2,2-Tetrachloroethane
Concen: 0.427 ppbv
RT: 13.047 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

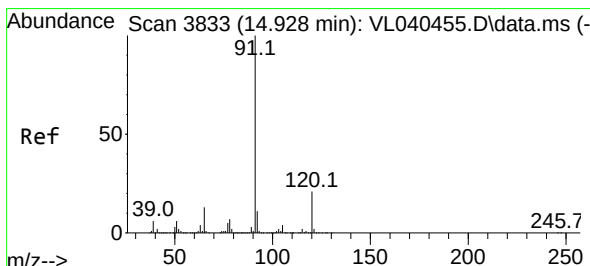
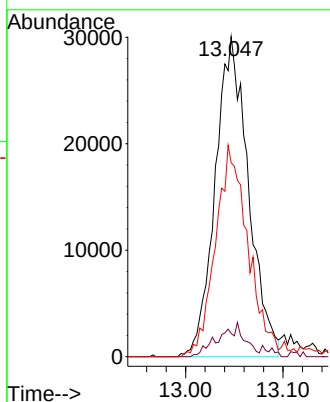
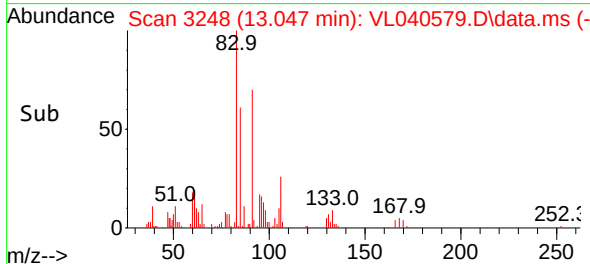
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 83 Resp: 71060
Ion Ratio Lower Upper
83 100
131 9.3 4.6 13.8
85 68.3 32.8 98.3

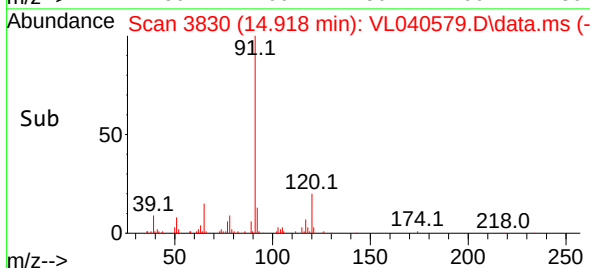
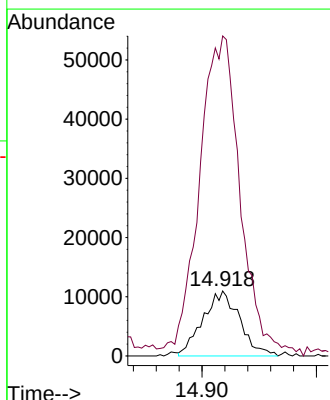
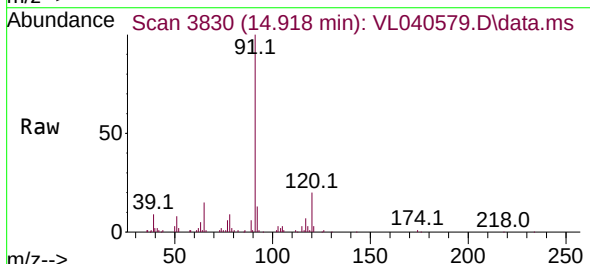
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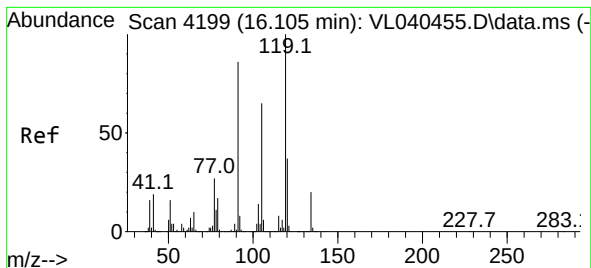
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#64
n-propylbenzene
Concen: 0.265 ppbv m
RT: 14.918 min Scan# 3830
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion:120 Resp: 24397
Ion Ratio Lower Upper
120 100
91 552.4 374.3 561.5





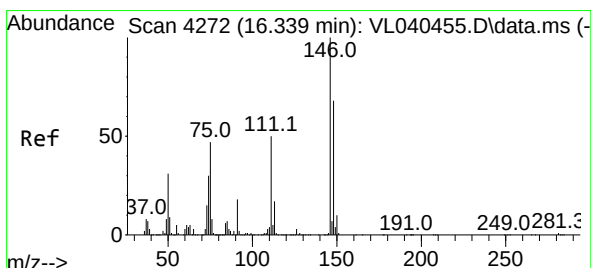
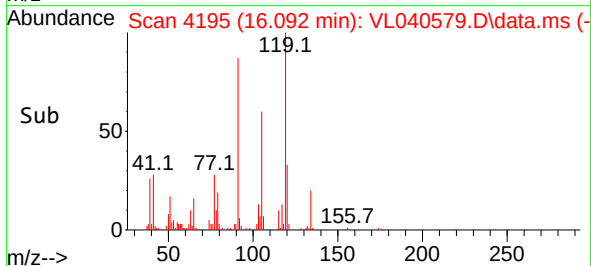
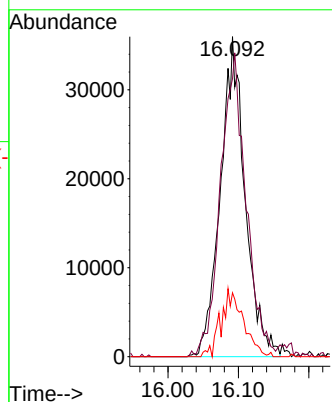
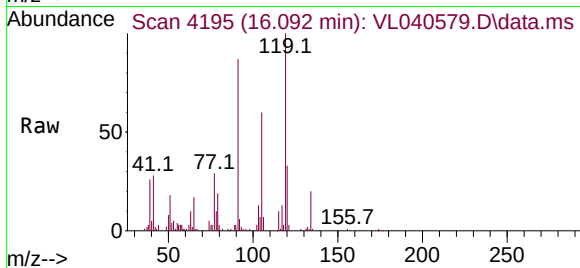
#65
tert-Butylbenzene
Concen: 0.278 ppbv m
RT: 16.092 min Scan# 4199
Delta R.T. -0.010 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion:119 Resp: 8742
Ion Ratio Lower Upper
119 100
91 0.0 66.1 99.1
134 19.2 15.7 23.5

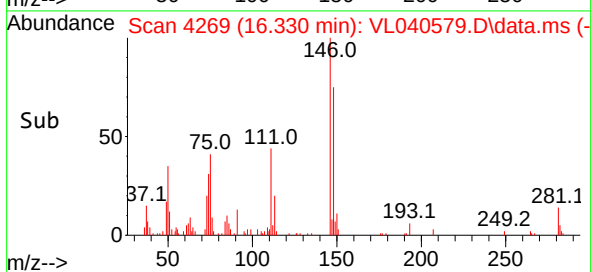
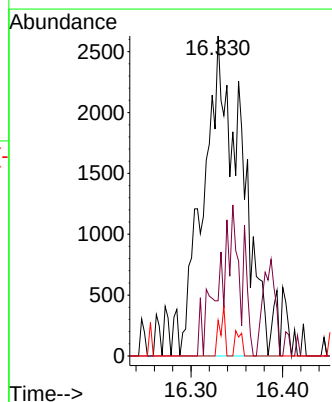
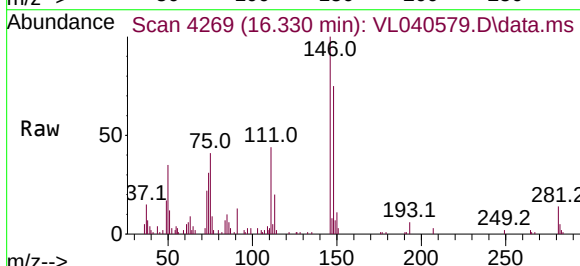
Manual Integrations
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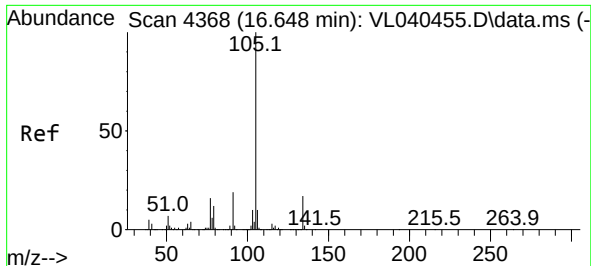
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#66
Benzyl Chloride
Concen: 0.343 ppbv m
RT: 16.330 min Scan# 4269
Delta R.T. -0.007 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion: 91 Resp: 7633
Ion Ratio Lower Upper
91 100
126 0.0 15.4 23.2#
128 0.0 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.286 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:105 Resp: 13221

Ion Ratio Lower Upper

105 100

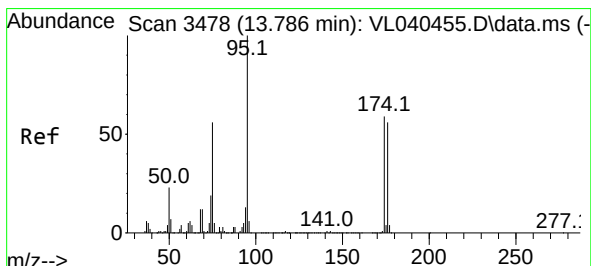
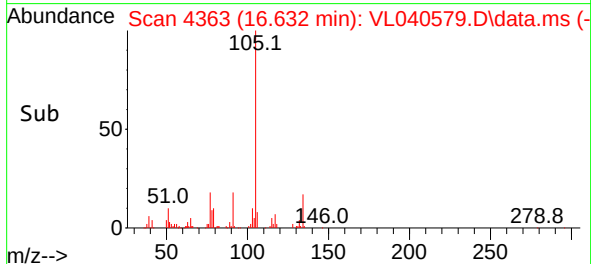
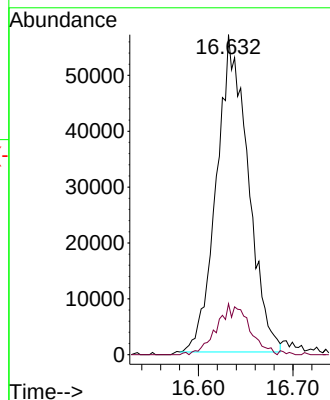
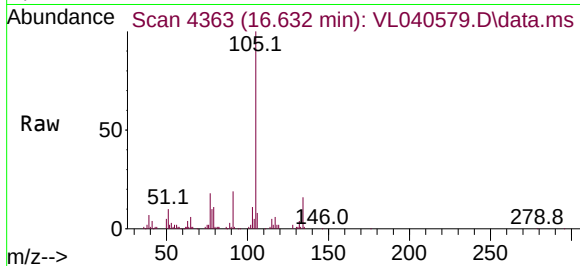
134 16.6 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 11.061 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. -0.010 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

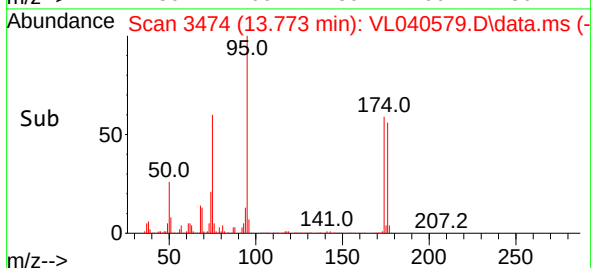
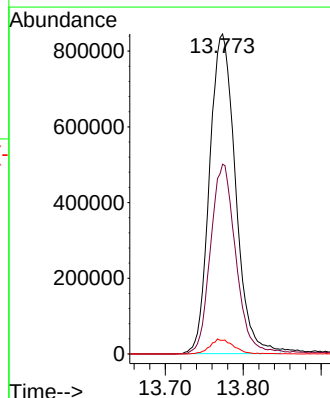
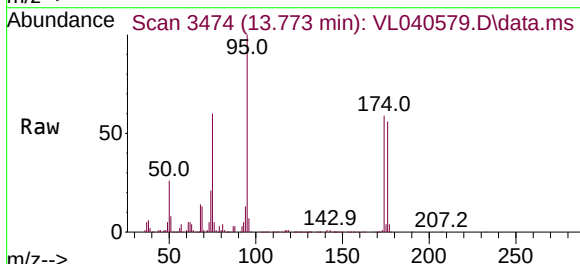
Tgt Ion: 95 Resp: 1947728

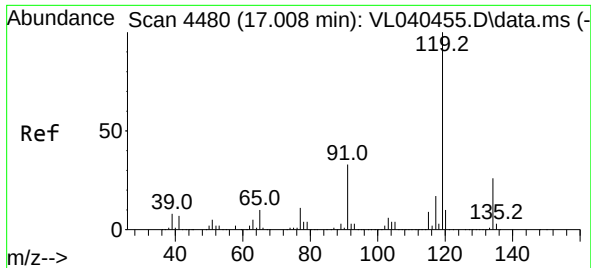
Ion Ratio Lower Upper

95 100

174 59.1 50.6 75.8

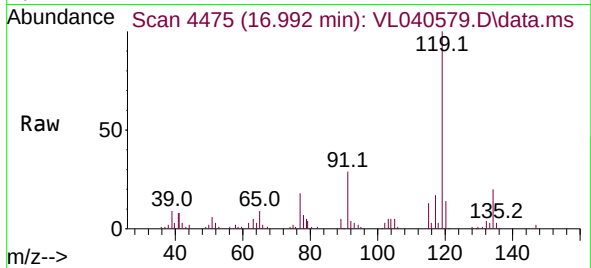
175 4.3 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.258 ppbv m
RT: 16.992 min Scan# 4480
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

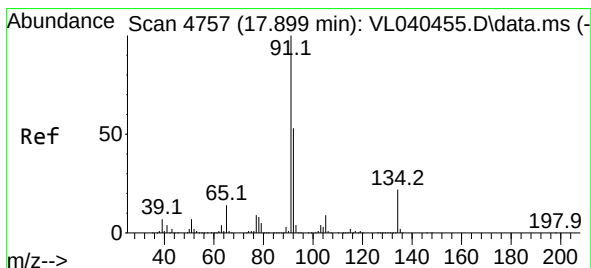
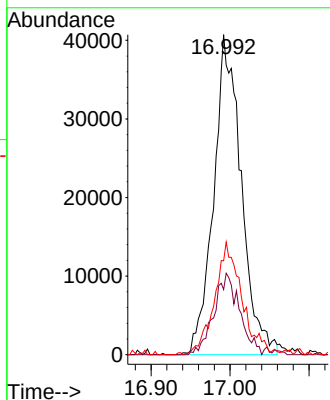
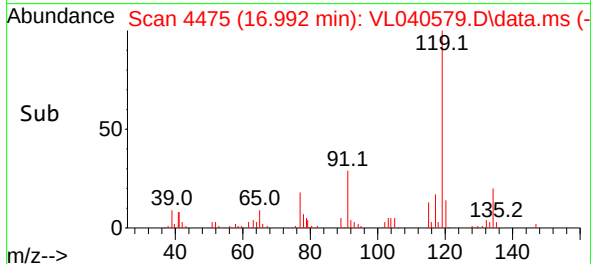
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion:119 Resp: 98749
Ion Ratio Lower Upper
119 100
134 24.1 20.5 30.7
91 34.7 23.8 35.8

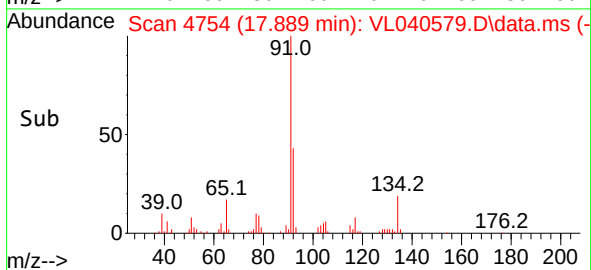
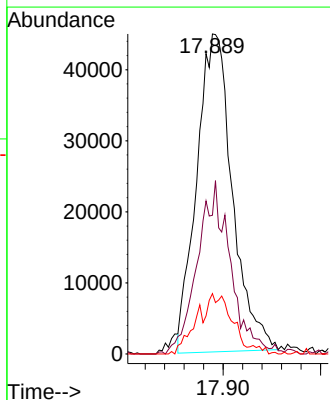
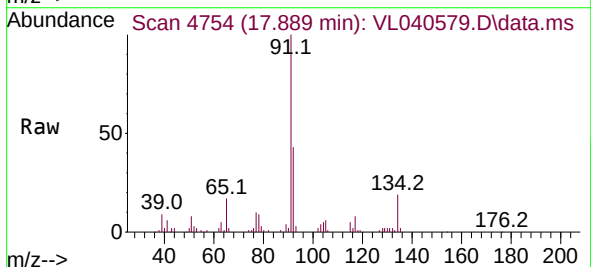
Manual Integrations
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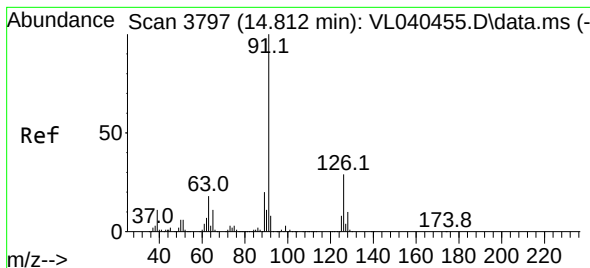
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#70
n-Butylbenzene
Concen: 0.268 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. -0.007 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion: 91 Resp: 114119
Ion Ratio Lower Upper
91 100
92 50.3 43.4 65.0
134 19.1 18.1 27.1





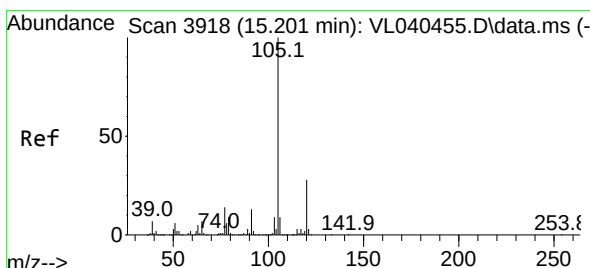
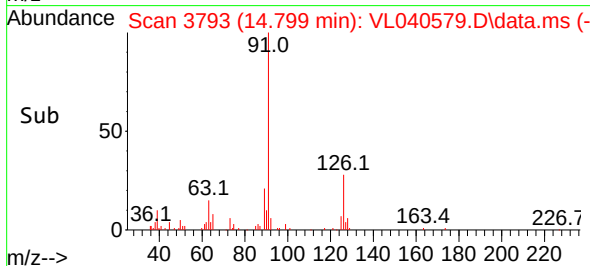
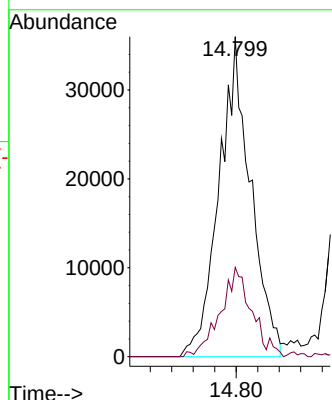
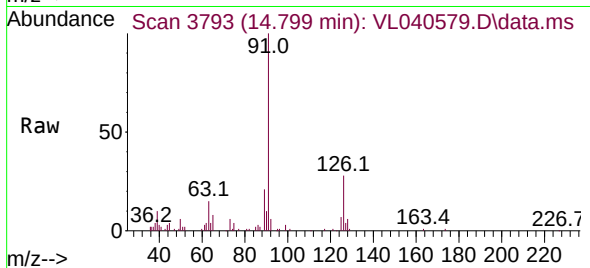
#71
2-Chlorotoluene
Concen: 0.266 ppbv
RT: 14.799 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023

Tgt Ion: 91 Resp: 7303
Ion Ratio Lower Upper
91 100
126 28.3 12.4 49.8

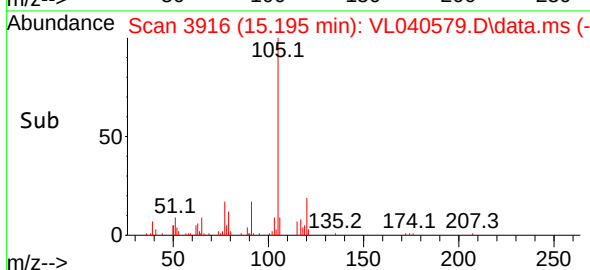
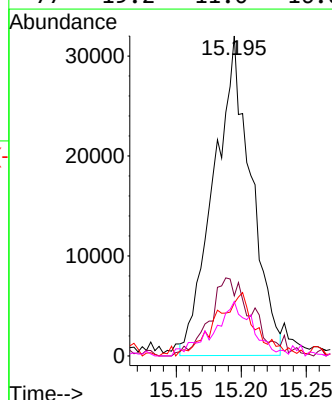
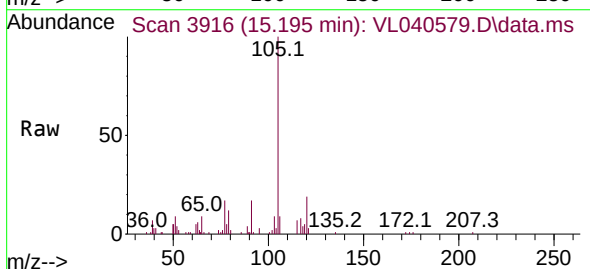
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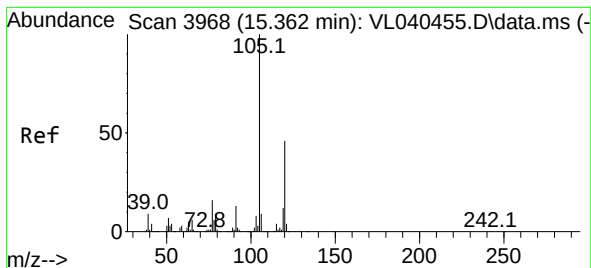
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#72
4-Ethyltoluene
Concen: 0.229 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. -0.010 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Tgt Ion:105 Resp: 63676
Ion Ratio Lower Upper
105 100
120 29.1 24.6 37.0
91 21.7 10.7 16.1#
77 19.2 11.0 16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.261 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. -0.010 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:105 Resp: 64109

Ion Ratio Lower Upper

105 100

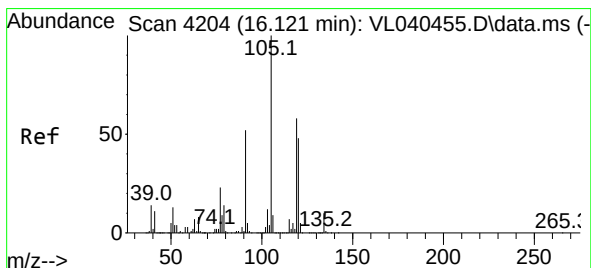
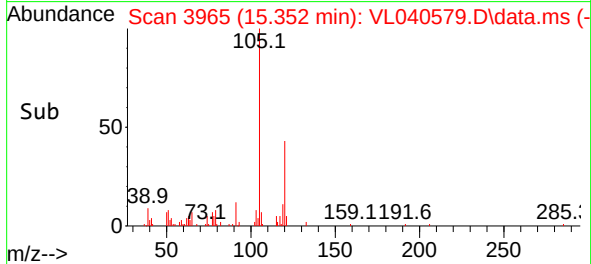
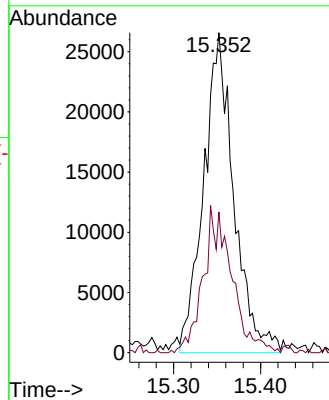
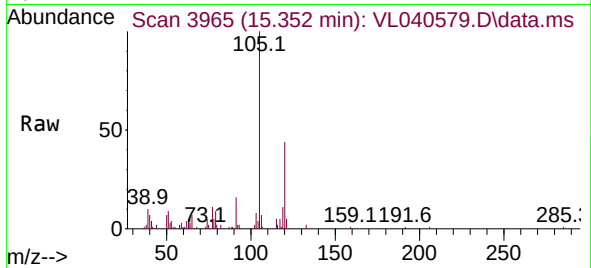
120 44.0 38.2 57.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.296 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. -0.013 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Tgt Ion:105 Resp: 84682

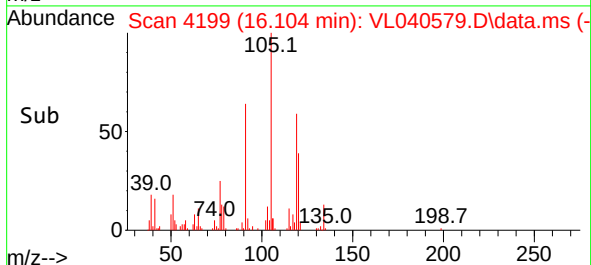
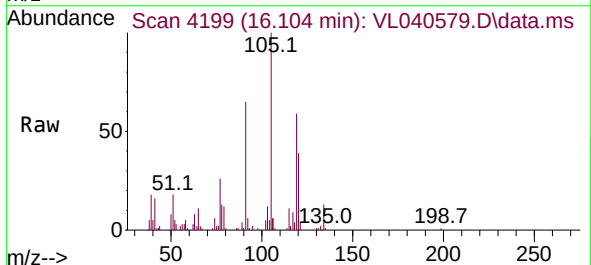
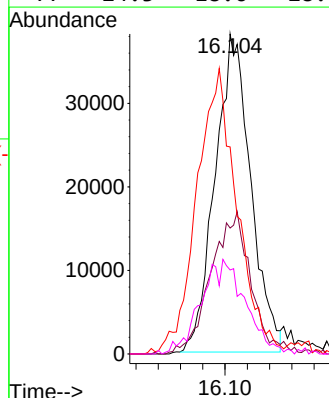
Ion Ratio Lower Upper

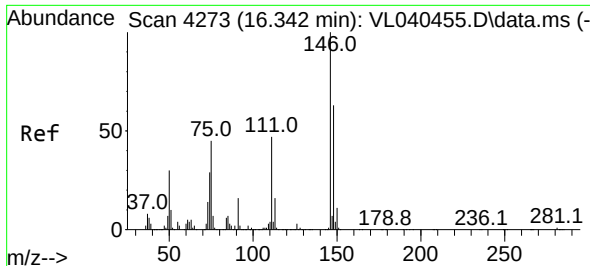
105 100

120 37.6 40.3 60.5#

91 62.5 46.8 70.2

77 24.3 18.6 28.0





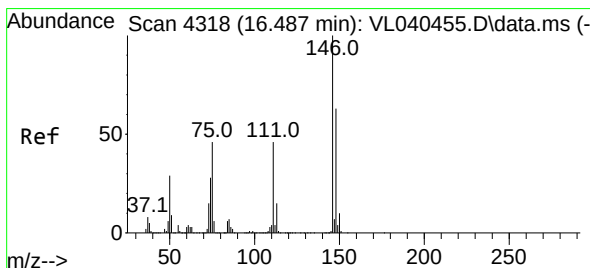
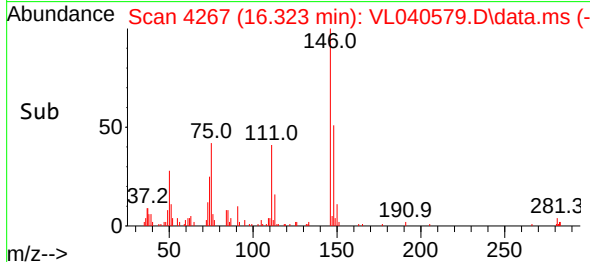
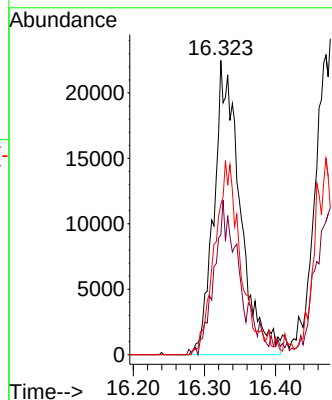
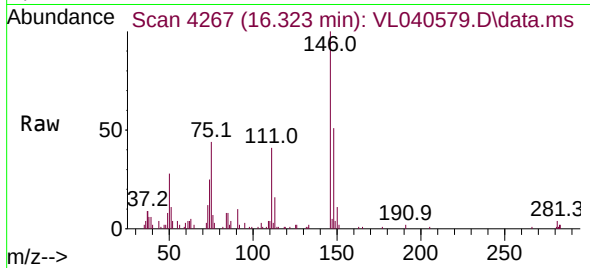
#75
1,3-Dichlorobenzene
Concen: 0.333 ppbv m
RT: 16.323 min Scan# 4315
Delta R.T. -0.019 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion:146 Resp: 57812
Ion Ratio Lower Upper
146 100
111 53.3 23.6 71.0
148 0.0 32.2 96.6

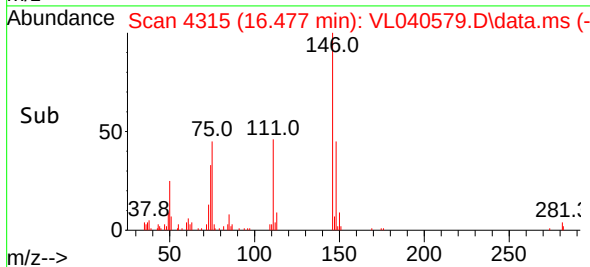
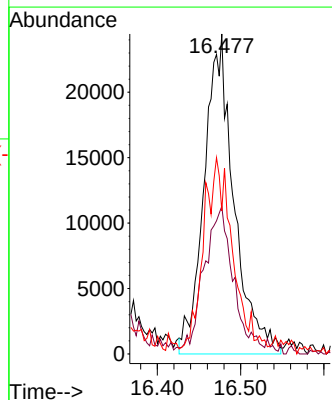
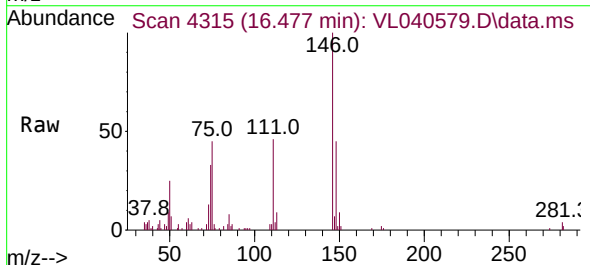
Manual Integrations
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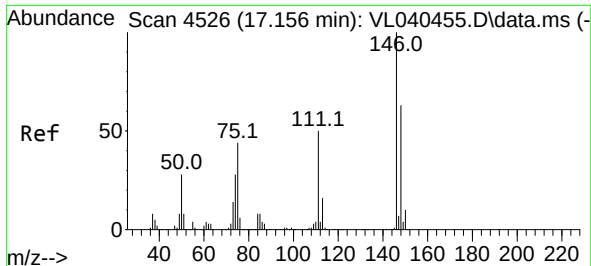
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#76
1,4-Dichlorobenzene
Concen: 0.358 ppbv m
RT: 16.477 min Scan# 4315
Delta R.T. -0.010 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

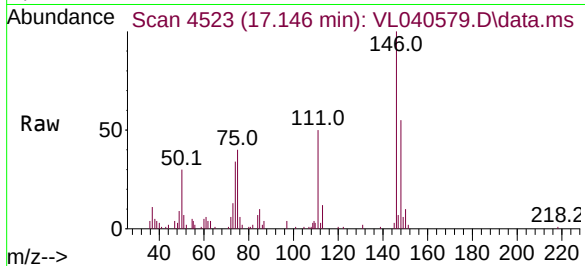
Tgt Ion:146 Resp: 60799
Ion Ratio Lower Upper
146 100
111 0.0 22.8 68.3#
148 63.2 32.6 97.8





#77
1,2-Dichlorobenzene
Concen: 0.356 ppbv m
RT: 17.146 min Scan# 4526
Delta R.T. -0.007 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

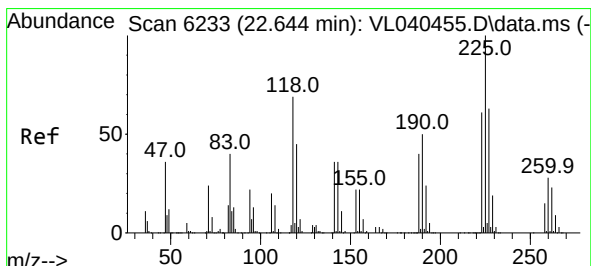
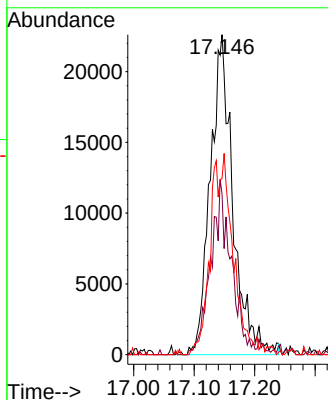
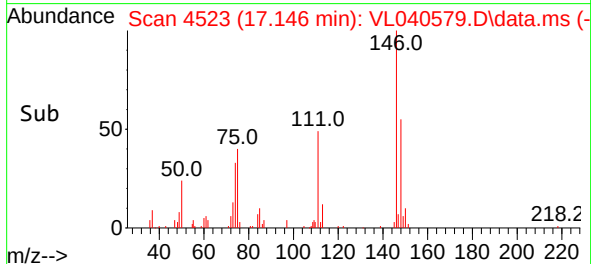
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion:146 Resp: 5901
Ion Ratio Lower Upper
146 100
111 0.0 24.3 72.8#
148 0.0 32.1 96.3#

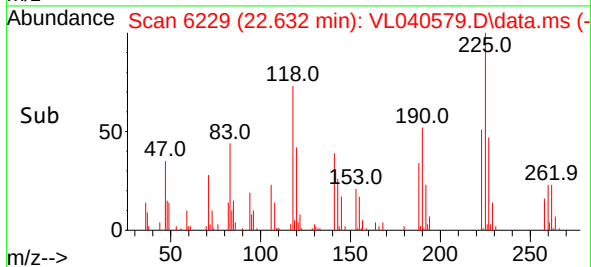
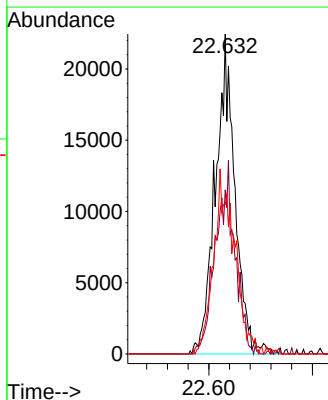
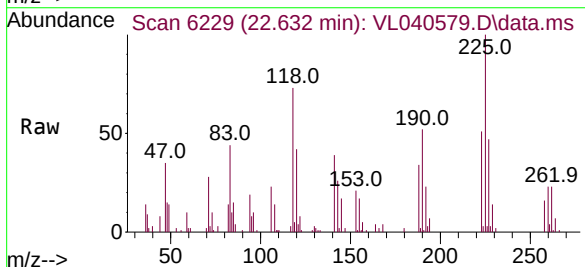
Manual Integrations
APPROVED

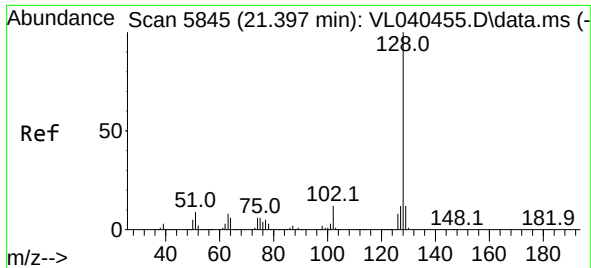
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.375 ppbv m
RT: 22.632 min Scan# 6229
Delta R.T. -0.016 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

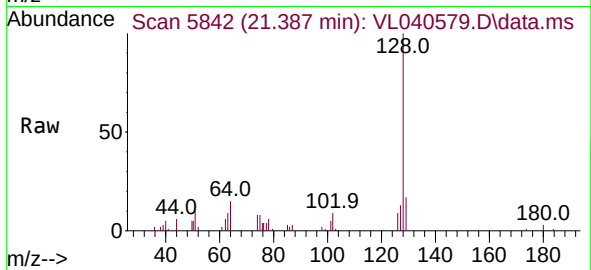
Tgt Ion:225 Resp: 58381
Ion Ratio Lower Upper
225 100
223 0.0 50.3 75.5#
227 0.0 51.0 76.6#





#79
Naphthalene
Concen: 0.186 ppbv m
RT: 21.387 min Scan# 5842
Delta R.T. -0.007 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20

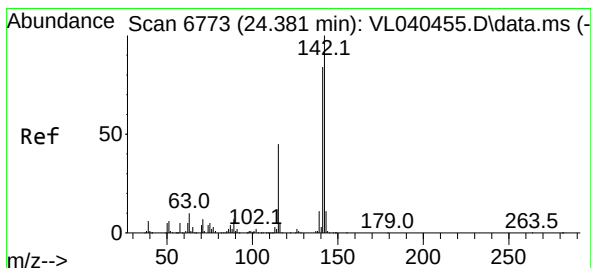
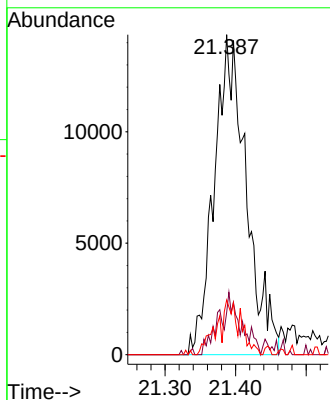
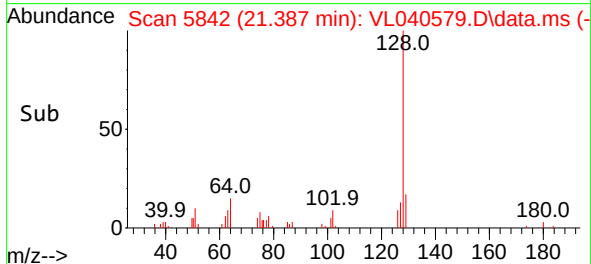
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



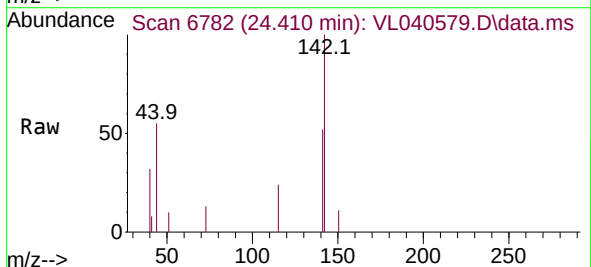
Tgt Ion:128 Resp: 4500
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 17.1 9.2 13.8

Manual Integrations
APPROVED

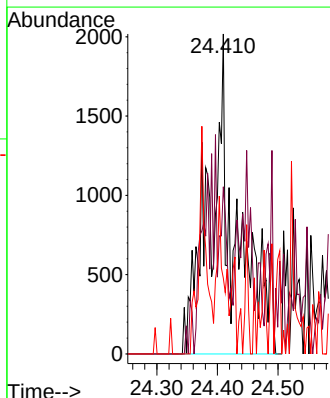
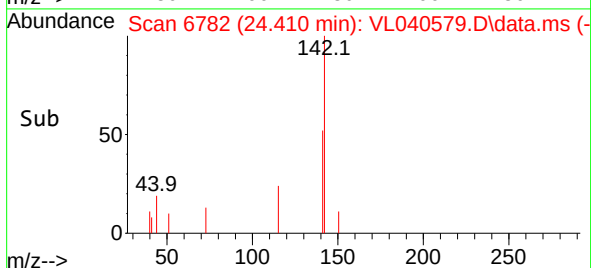
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

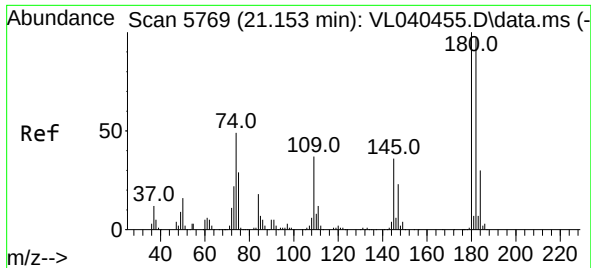


#80
Naphthalene,2-methyl-
Concen: 0.061 ppbv m
RT: 24.410 min Scan# 6782
Delta R.T. 0.032 min
Lab File: VL040579.D
Acq: 31 Jul 2023 19:20



Tgt Ion:142 Resp: 6103
Ion Ratio Lower Upper
142 100
141 34.0 66.7 100.1#
115 20.3 33.0 49.6#





#81

1,2,4-Trichlorobenzene

Concen: 0.225 ppbv m

RT: 21.146 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL040579.D

Acq: 31 Jul 2023 19:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:180 Resp: 37594

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 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023

