

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040745.D
 Acq On : 4 Oct 2023 18:13
 Operator : SY/MD
 Sample : 04699-14 LOQ 5 PPB
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023

Quant Time: Oct 05 04:28:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

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

Internal Standards						
1) Bromochloromethane	5.185	49	836223	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2345529	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	1973714	10.000	ppbv	-0.03

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.757 95 1581061 10.368 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.742	85	126904	0.689	ppbv	95
3) Chlorodifluoromethane	2.687	51	90104	0.661	ppbv	96
4) Chloromethane	2.825	50	34695	0.665	ppbv	95
5) Vinyl Chloride	2.931	62	31817	0.516	ppbv	98
6) Bromomethane	3.124	94	20906m	0.703	ppbv	
7) Chloroethane	3.205	64	13257	0.626	ppbv #	85
8) Dichlorotetrafluoroethane	2.867	85	97310	0.640	ppbv	98
9) Propene	2.710	41	22527	0.574	ppbv	91
10) Heptane	7.571	43	45974	0.520	ppbv	92
11) Trichlorofluoromethane	3.568	101	106655	0.658	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	72475	0.626	ppbv	94
13) Ethanol	3.263	45	7809m	0.672	ppbv	
14) Bromoethene	3.375	108	28286	0.582	ppbv	89
15) Acetone	3.488	43	79491	0.721	ppbv #	86
16) 1,3-Butadiene	2.996	39	29768m	0.619	ppbv	
17) tert-Butyl alcohol	3.896	59	61045	0.540	ppbv	98
18) 1,1-Dichloroethene	3.886	96	30528	0.593	ppbv	88
19) Isopropyl Alcohol	3.603	45	36116m	0.543	ppbv	
20) Methylene Chloride	3.935	84	44245	0.745	ppbv	96
21) Allyl Chloride	4.002	41	40489	0.599	ppbv #	86
22) trans-1,2-Dichloroethene	4.446	96	30659	0.602	ppbv	84
23) Vinyl Acetate	4.632	43	60781	0.533	ppbv #	90
24) 1,1-Dichloroethane	4.562	63	69300	0.649	ppbv #	96
25) Ethyl Acetate	5.211	43	101356	0.570	ppbv #	97
26) Hexane	5.208	57	51666m	0.614	ppbv	
27) Carbon Disulfide	4.128	76	61918	0.528	ppbv #	80
28) Methyl tert-Butyl Ether	4.600	73	44265m	0.612	ppbv	
29) Chloroform	5.269	83	94393	0.650	ppbv	97
30) Cyclohexane	6.590	84	25948m	0.410	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	43900	0.563	ppbv	93
32) 1,1,1-Trichloroethane	5.992	97	90157m	0.607	ppbv	
34) 2-Butanone	4.803	43	67950m	0.576	ppbv	
35) Carbon Tetrachloride	6.488	117	90691	0.563	ppbv #	83
36) Benzene	6.365	78	88415	0.509	ppbv	96
37) 1,2-Dichloroethane	5.800	62	64367	0.541	ppbv #	95
38) Trichloroethene	7.279	130	36118m	0.545	ppbv	
39) 1,2-Dichloropropane	7.066	63	31859	0.477	ppbv #	88
40) 1,4-Dioxane	7.314	88	9829m	0.389	ppbv	
41) Tetrahydrofuran	5.574	42	27383m	0.453	ppbv	
42) Bromodichloromethane	7.237	83	85532	0.527	ppbv	99
43) Methyl Methacrylate	7.478	69	27076m	0.419	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	129920	0.470	ppbv #	90
45) t-1,3-Dichloropropene	8.697	75	19742m	0.394	ppbv	

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:28:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	24632m	0.402	ppbv	
47) 1,1,2-Trichloroethane	8.880	97	41164m	0.537	ppbv	
48) Dibromochloromethane	9.696	129	61477m	0.486	ppbv	
49) Bromoform	12.388	173	45474	0.437	ppbv	93
50) 4-Methyl-2-Pentanone	8.195	43	73827m	0.463	ppbv	
51) 2-Hexanone	9.561	43	42679m	0.388	ppbv	
52) Tetrachloroethene	10.600	164	30858m	0.545	ppbv	
53) Toluene	9.211	91	75498m	0.412	ppbv	
54) 1,2-Dibromoethane	9.995	107	47370	0.484	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.487	131	56293m	0.598	ppbv	
57) Chlorobenzene	11.510	112	87913	0.588	ppbv	94
58) Ethyl Benzene	12.073	91	89834	0.399	ppbv	93
59) m/p-Xylene	12.352	91	195168m	0.924	ppbv	
60) o-Xylene	13.044	91	92818m	0.461	ppbv	
61) Styrene	12.883	104	27452m	0.325	ppbv	
62) Isopropylbenzene	14.011	105	156698	0.515	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	92600	0.586	ppbv	95
64) n-propylbenzene	14.899	120	37235m	0.489	ppbv	
65) tert-Butylbenzene	16.076	119	136019m	0.498	ppbv	
66) Benzyl Chloride	16.317	91	15711m	0.493	ppbv	
67) sec-Butylbenzene	16.619	105	194154	0.497	ppbv	97
69) p-Isopropyltoluene	16.986	119	137289	0.447	ppbv	95
70) n-Butylbenzene	17.873	91	152429	0.451	ppbv	98
71) 2-Chlorotoluene	14.783	91	104108	0.462	ppbv	98
72) 4-Ethyltoluene	15.179	105	91474	0.405	ppbv #	90
73) 1,3,5-Trimethylbenzene	15.339	105	90807m	0.446	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	117685	0.474	ppbv	89
75) 1,3-Dichlorobenzene	16.323	146	78350m	0.554	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	72108m	0.519	ppbv	
77) 1,2-Dichlorobenzene	17.127	146	73710	0.524	ppbv	91
78) Hexachloro-1,3-Butadiene	22.609	225	63222m	0.594	ppbv	
79) Naphthalene	21.374	128	56431m	0.366	ppbv	
80) Naphthalene,2-methyl-	24.368	142	3459	0.091	ppbv #	69
81) 1,2,4-Trichlorobenzene	21.130	180	40642m	0.403	ppbv	

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

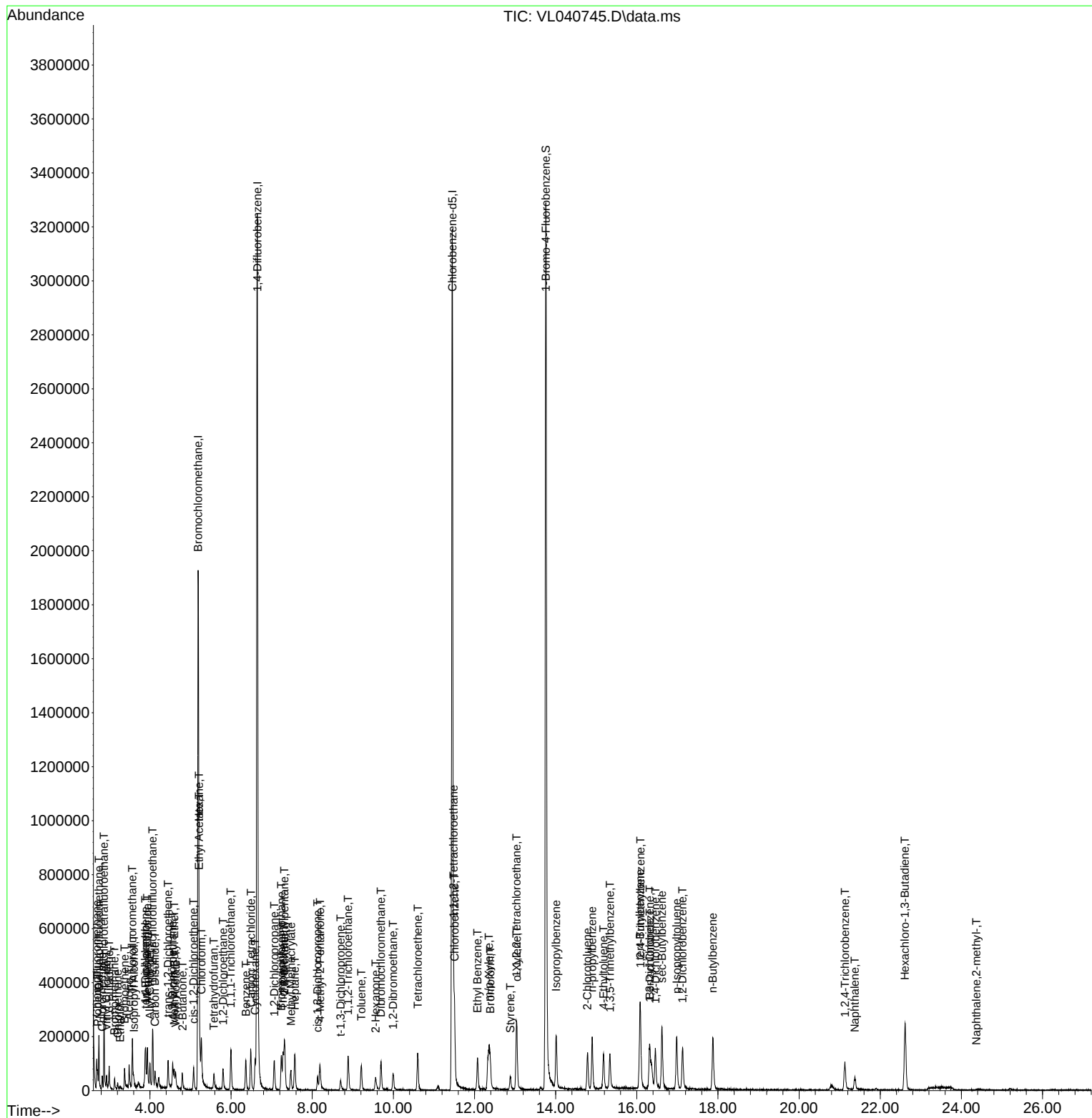
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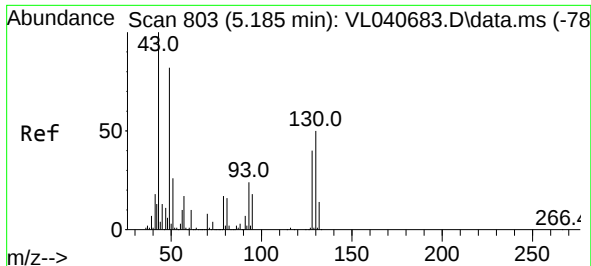
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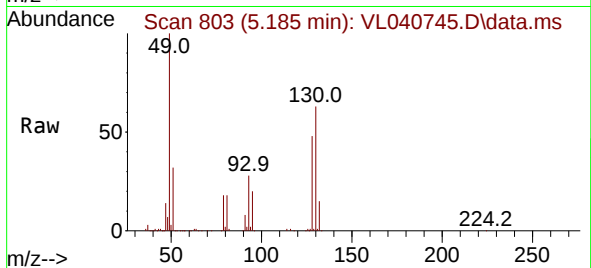
Reviewed By : Semsettin Yesilyurt 10/05/2023
Supervised By : Mahesh Dadoda 10/05/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

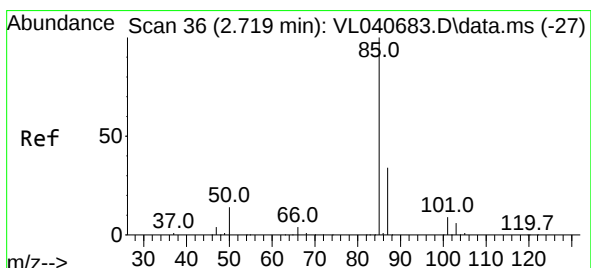
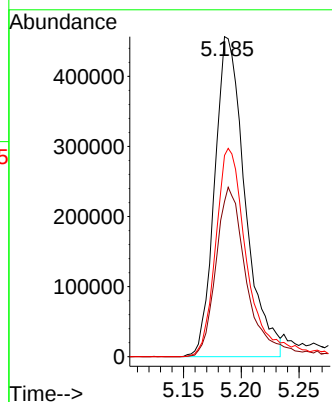
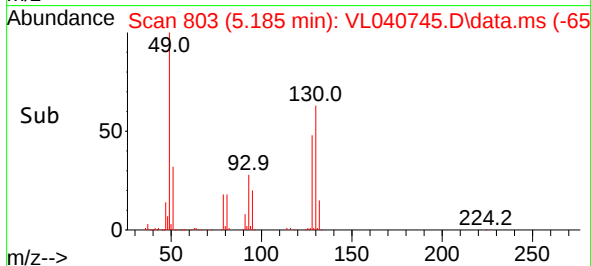
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 49 Resp: 83622
Ion Ratio Lower Upper
49 100
128 55.1 25.4 76.0
130 69.0 32.3 96.8

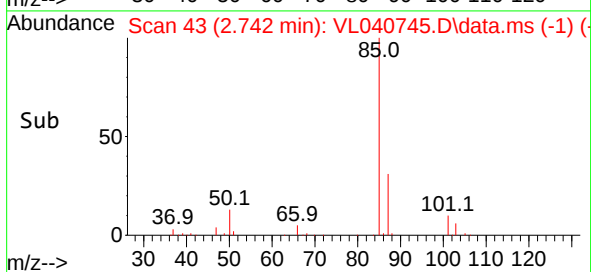
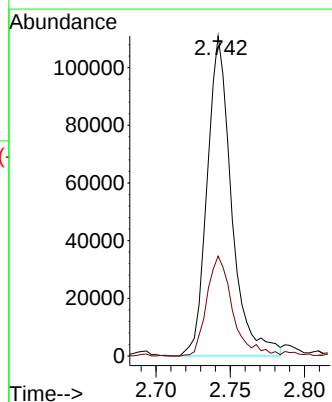
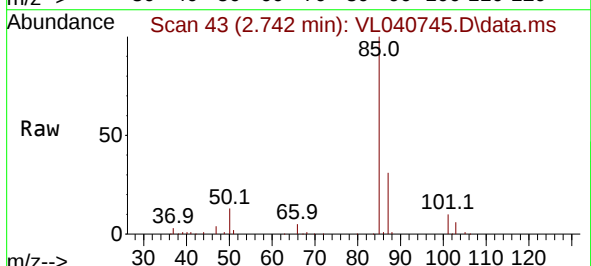
Manual Integrations
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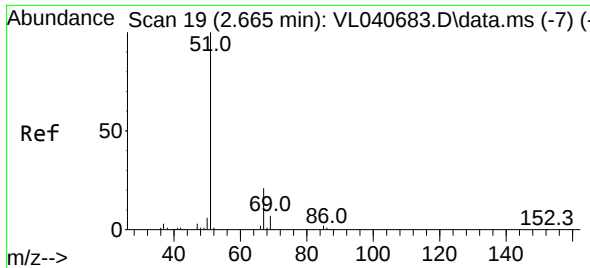
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#2
Dichlorodifluoromethane
Concen: 0.689 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.010 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

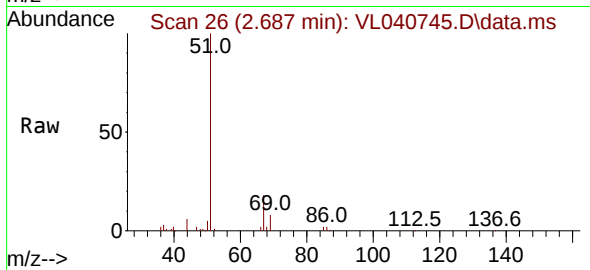
Tgt Ion: 85 Resp: 126904
Ion Ratio Lower Upper
85 100
87 31.2 27.2 40.8





#3
Chlorodifluoromethane
Concen: 0.661 ppbv
RT: 2.687 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

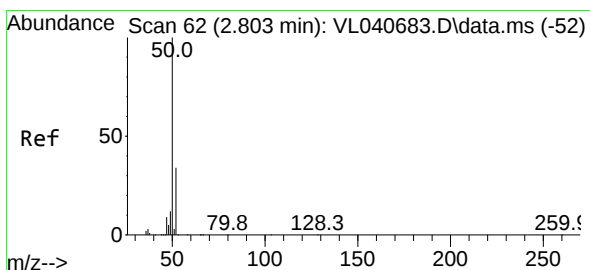
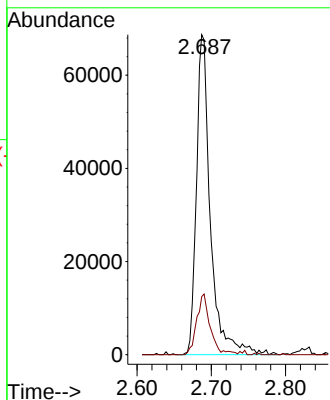
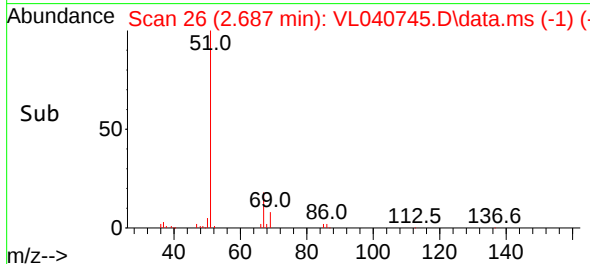
Instrument :
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ClientSampleId :
LOQ-AIR-02-QT4-2023



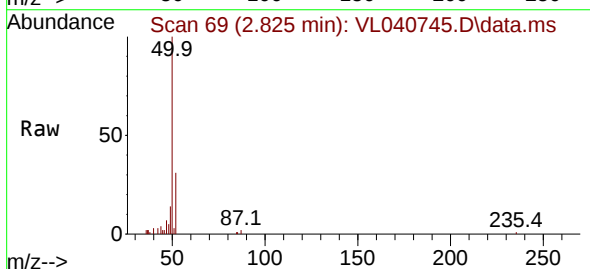
Tgt Ion: 51 Resp: 90104
Ion Ratio Lower Upper
51 100
67 18.9 16.7 25.1

Manual Integrations
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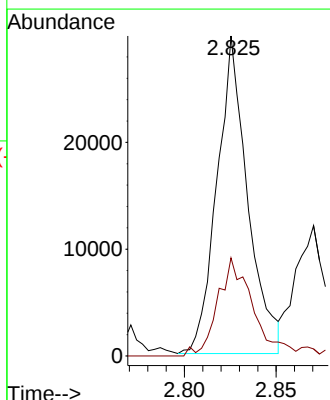
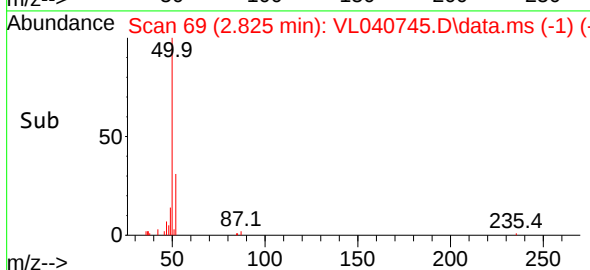
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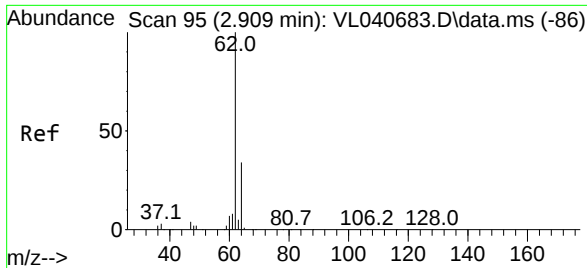


#4
Chloromethane
Concen: 0.665 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.010 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13



Tgt Ion: 50 Resp: 34695
Ion Ratio Lower Upper
50 100
52 30.9 27.1 40.7





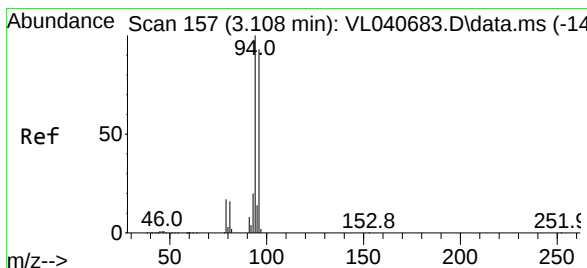
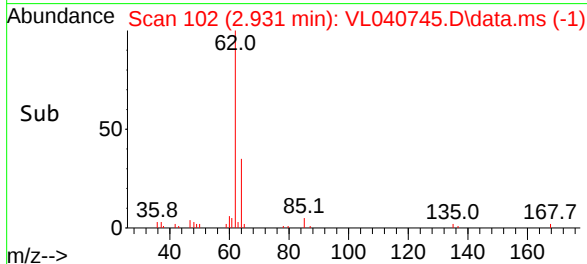
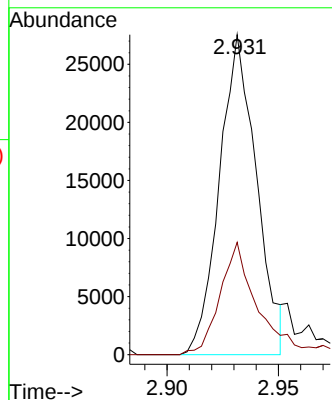
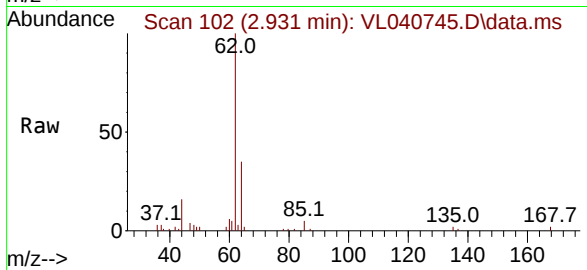
#5
 Vinyl Chloride
 Concen: 0.516 ppbv
 RT: 2.931 min Scan# 110
 Delta R.T. 0.007 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023

Tgt Ion: 62 Resp: 3181
 Ion Ratio Lower Upper
 62 100
 64 35.1 27.2 40.8

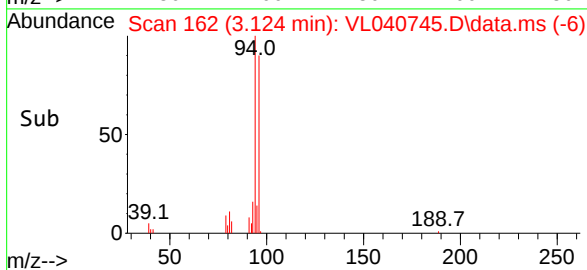
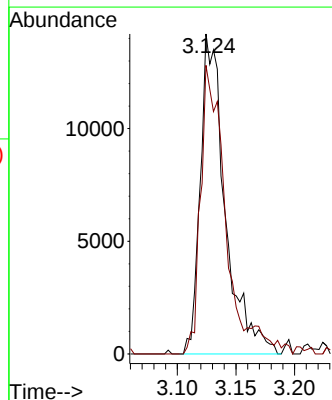
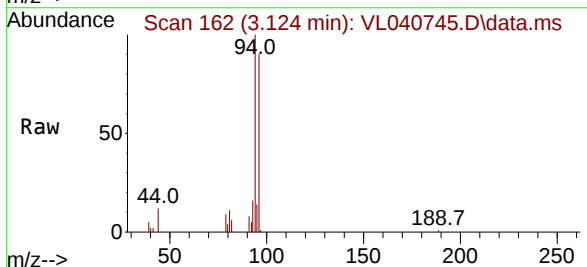
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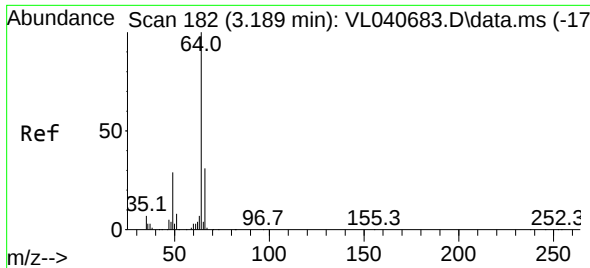
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#6
 Bromomethane
 Concen: 0.703 ppbv m
 RT: 3.124 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

Tgt Ion: 94 Resp: 20906
 Ion Ratio Lower Upper
 94 100
 96 90.2 74.4 111.6





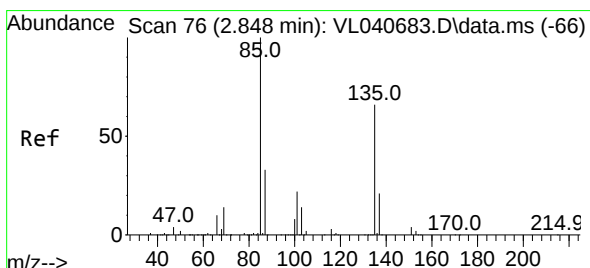
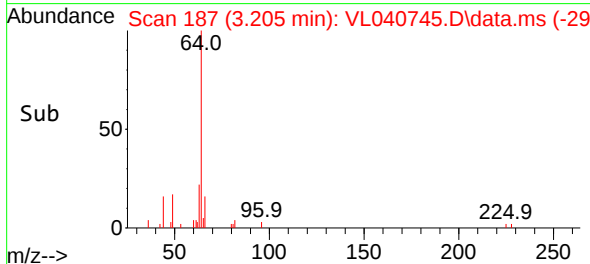
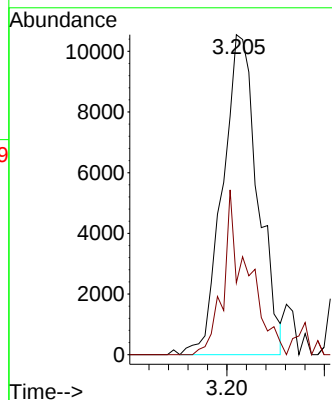
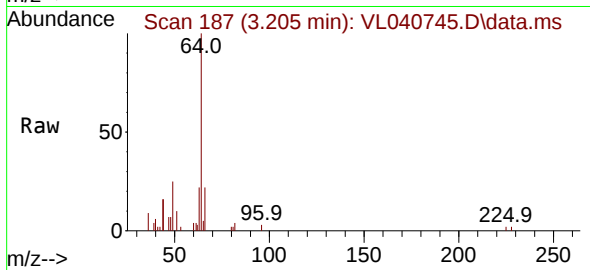
#7
Chloroethane
Concen: 0.626 ppbv
RT: 3.205 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

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ClientSampleId :
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Tgt Ion: 64 Resp: 1325
Ion Ratio Lower Upper
64 100
66 22.4 24.5 36.7

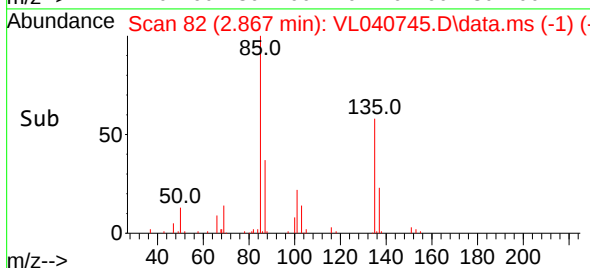
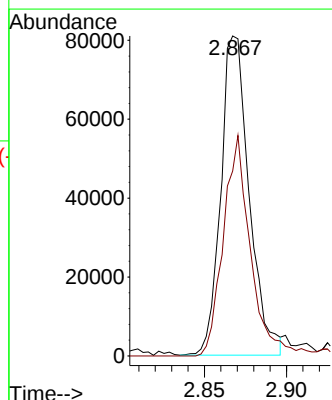
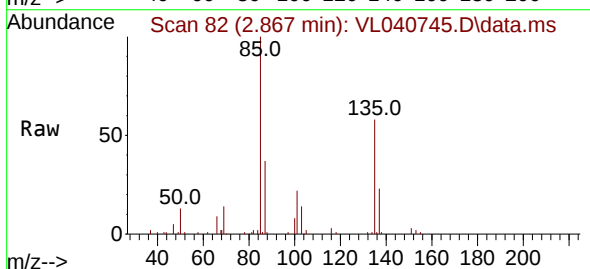
Manual Integrations
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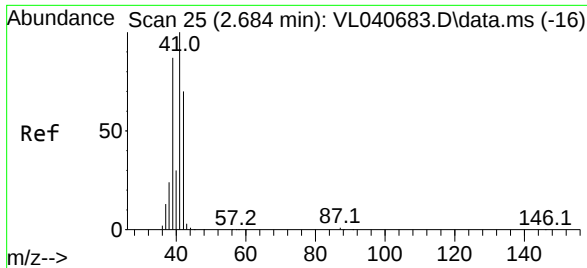
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#8
Dichlorotetrafluoroethane
Concen: 0.640 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.007 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

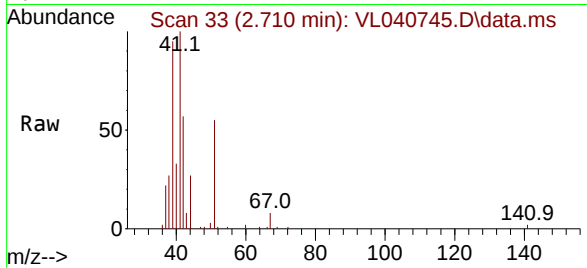
Tgt Ion: 85 Resp: 97310
Ion Ratio Lower Upper
85 100
135 68.4 53.4 80.2





#9
Propene
Concen: 0.574 ppbv
RT: 2.710 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

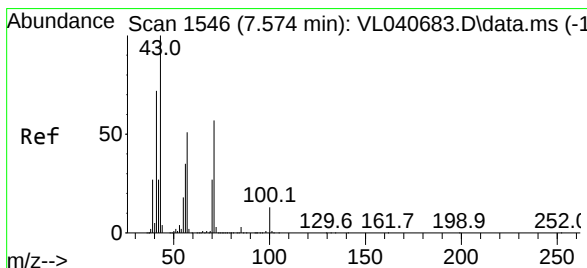
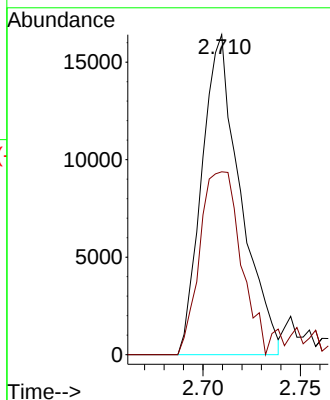
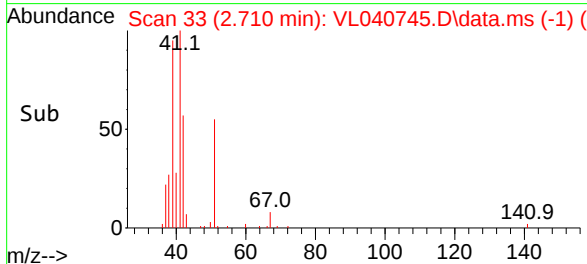
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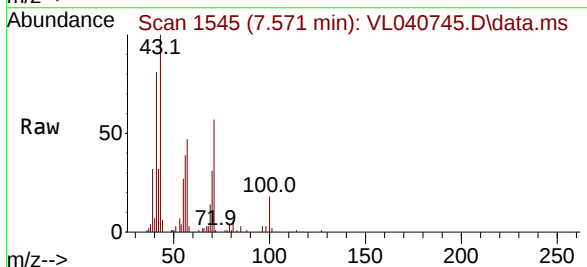
Tgt Ion: 41 Resp: 2252
Ion Ratio Lower Upper
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42 63.2 56.7 85.1

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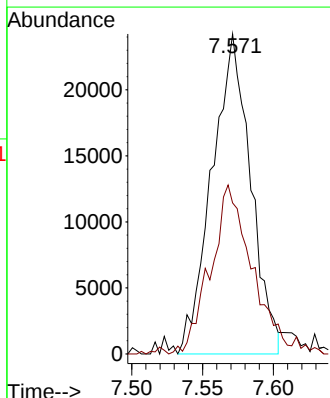
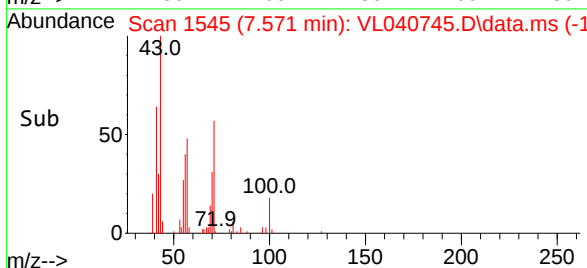
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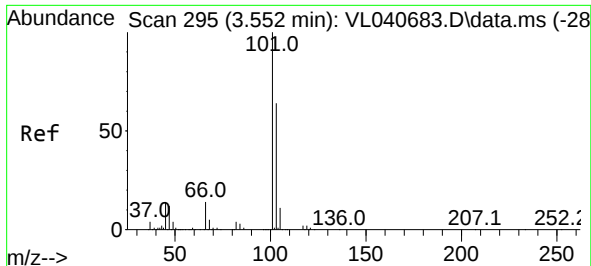


#10
Heptane
Concen: 0.520 ppbv
RT: 7.571 min Scan# 1545
Delta R.T. -0.016 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13



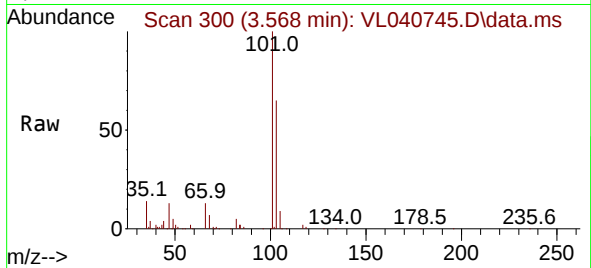
Tgt Ion: 43 Resp: 45974
Ion Ratio Lower Upper
43 100
57 58.1 41.8 62.6





#11
 Trichlorofluoromethane
 Concen: 0.658 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

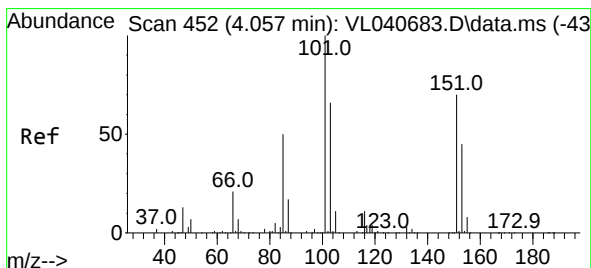
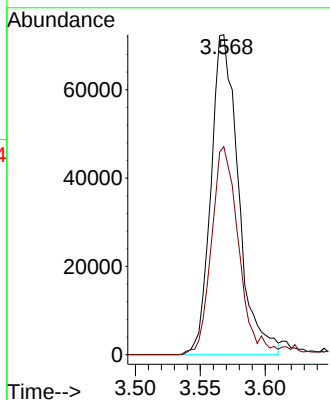
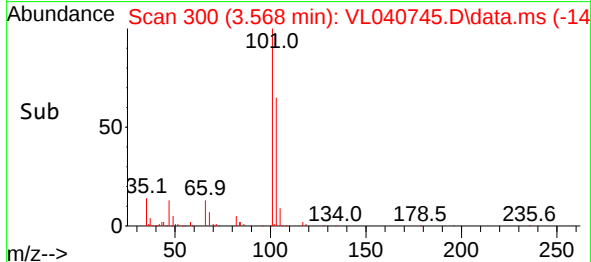
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023



Tgt Ion:101 Resp: 10665
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9

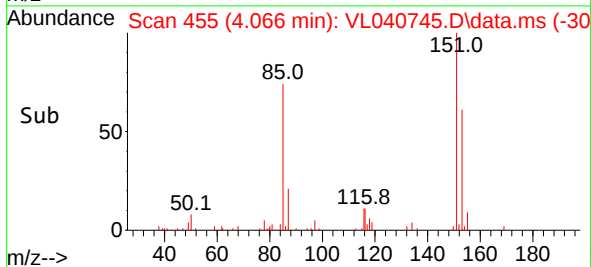
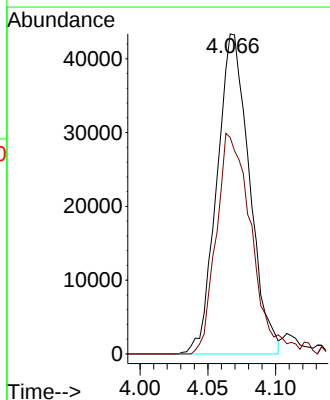
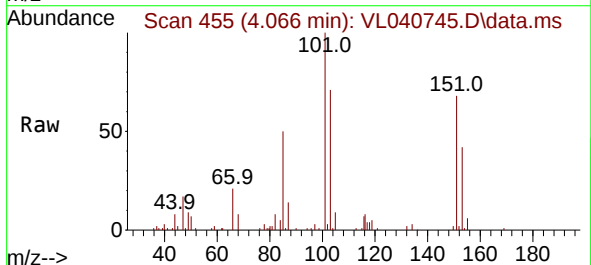
Manual Integrations
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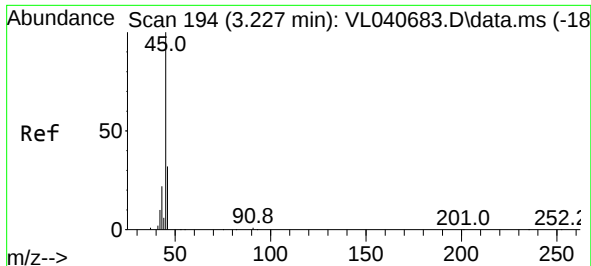
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.626 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. -0.006 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

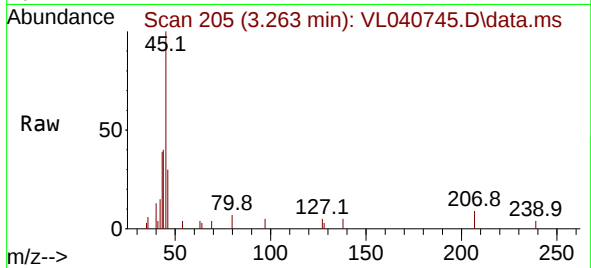
Tgt Ion:101 Resp: 72475
 Ion Ratio Lower Upper
 101 100
 151 75.9 56.8 85.2





#13
Ethanol
Concen: 0.672 ppbv m
RT: 3.263 min Scan# 205
Delta R.T. 0.019 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

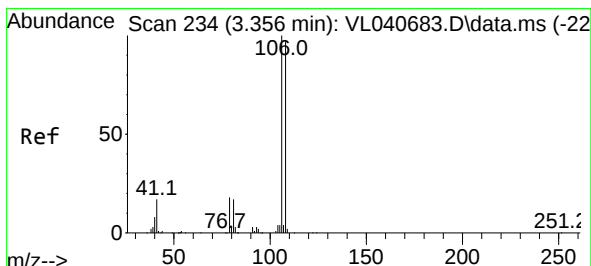
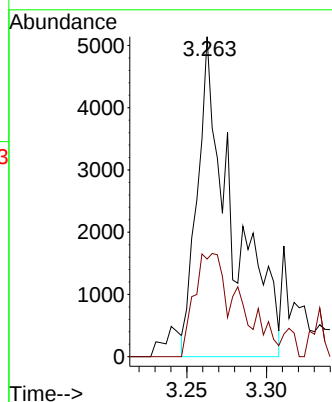
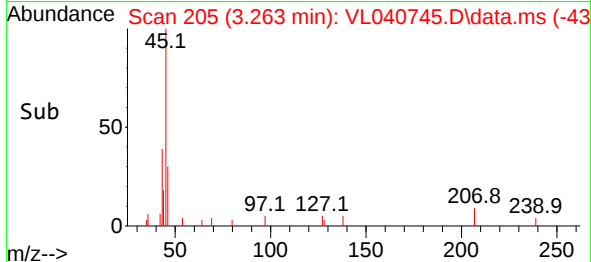
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



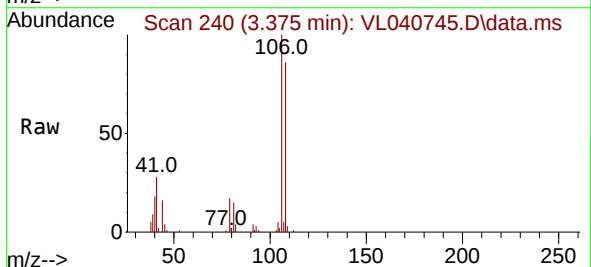
Tgt Ion: 45 Resp: 7809
Ion Ratio Lower Upper
45 100
46 44.7 15.2 61.0

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APPROVED

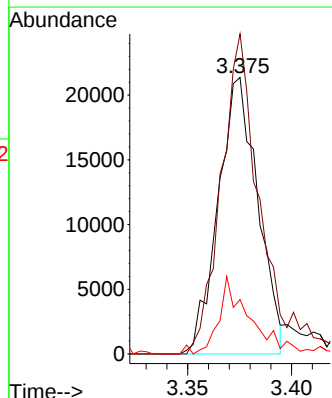
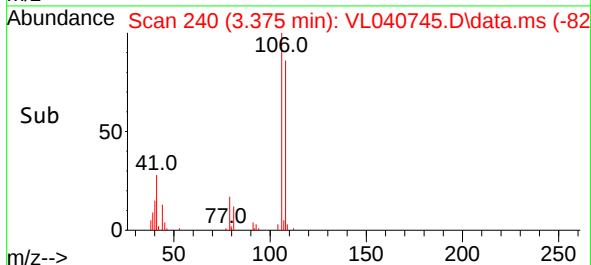
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

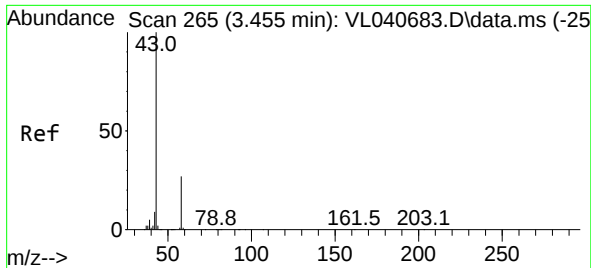


#14
Bromoethene
Concen: 0.582 ppbv
RT: 3.375 min Scan# 240
Delta R.T. 0.007 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13



Tgt Ion:108 Resp: 28286
Ion Ratio Lower Upper
108 100
106 119.1 86.0 129.0
79 23.1 15.6 23.4





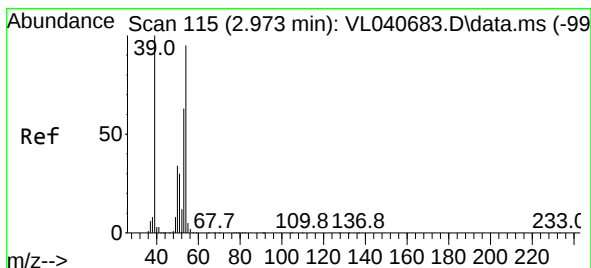
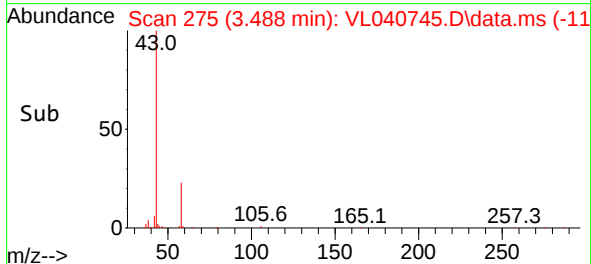
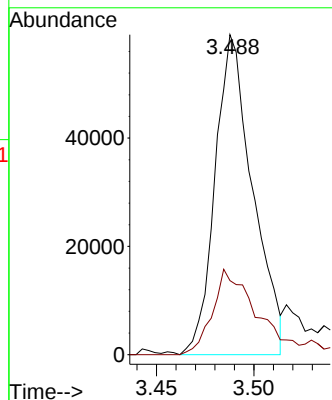
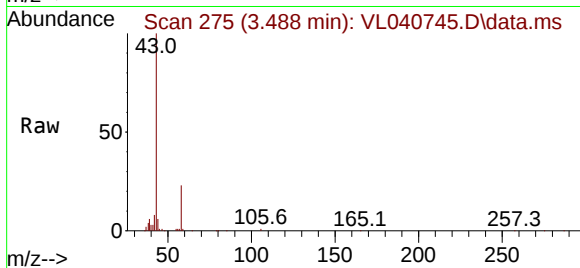
#15
Acetone
Concen: 0.721 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023

Tgt Ion: 43 Resp: 7949
Ion Ratio Lower Upper
43 100
58 35.5 22.6 34.0

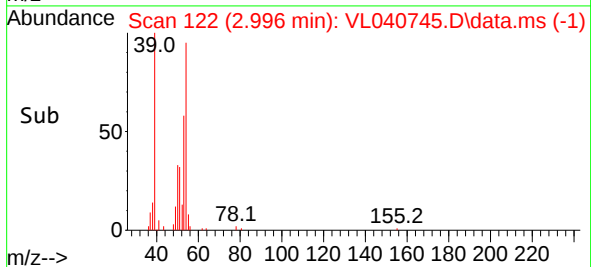
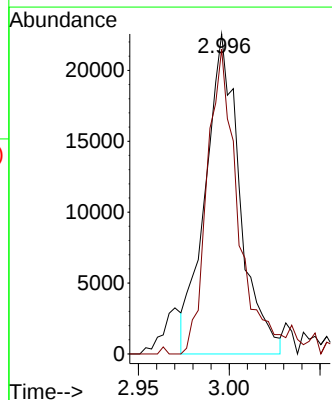
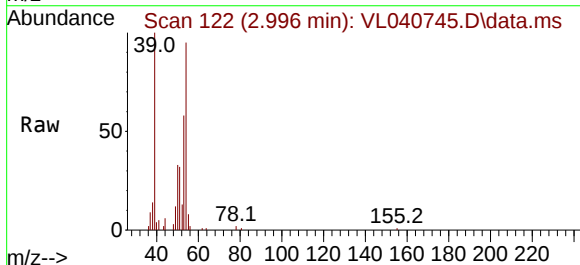
Manual Integrations
APPROVED

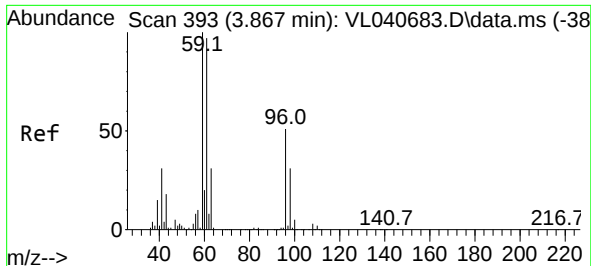
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#16
1,3-Butadiene
Concen: 0.619 ppbv m
RT: 2.996 min Scan# 122
Delta R.T. 0.007 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Tgt Ion: 39 Resp: 29768
Ion Ratio Lower Upper
39 100
54 0.0 64.8 97.2





#17

tert-Butyl alcohol

Concen: 0.540 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.013 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2023

Tgt Ion: 59 Resp: 6104

Ion Ratio Lower Upper

59 100

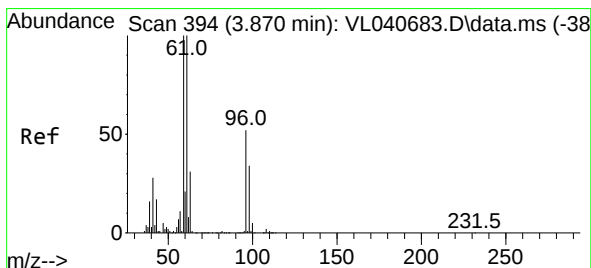
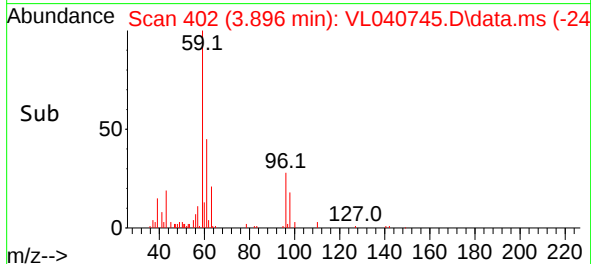
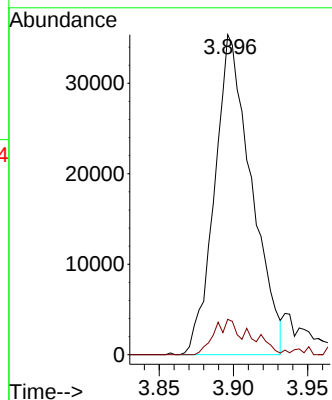
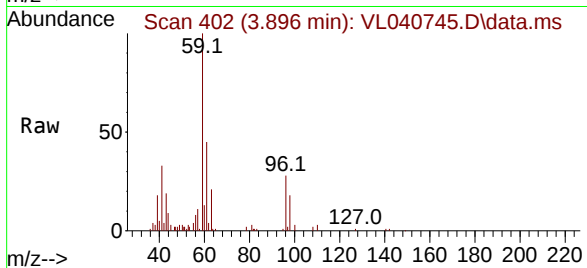
57 11.6 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#18

1,1-Dichloroethene

Concen: 0.593 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.003 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

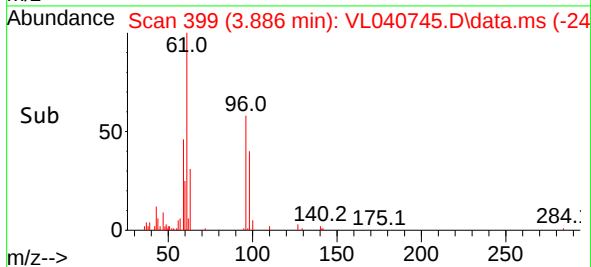
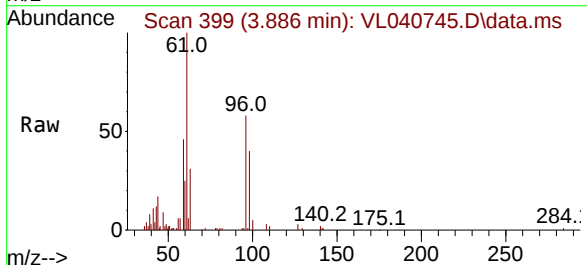
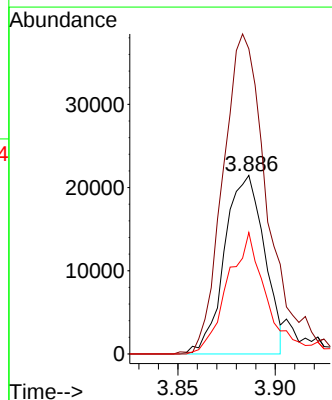
Tgt Ion: 96 Resp: 30528

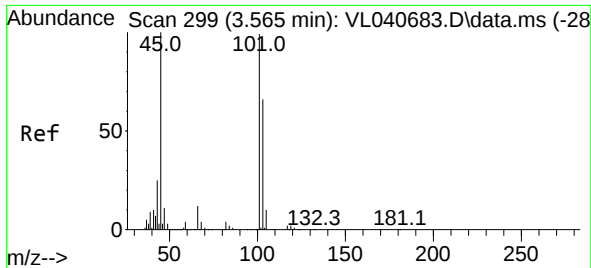
Ion Ratio Lower Upper

96 100

61 169.8 153.6 230.4

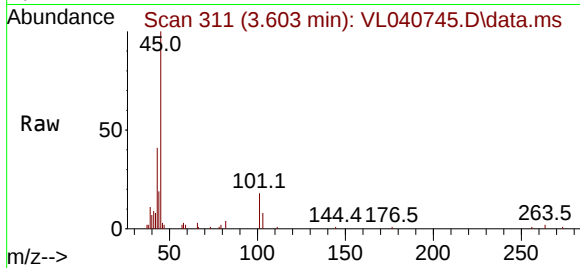
98 68.0 51.9 77.9





#19
Isopropyl Alcohol
Concen: 0.543 ppbv m
RT: 3.603 min Scan# 311
Delta R.T. 0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

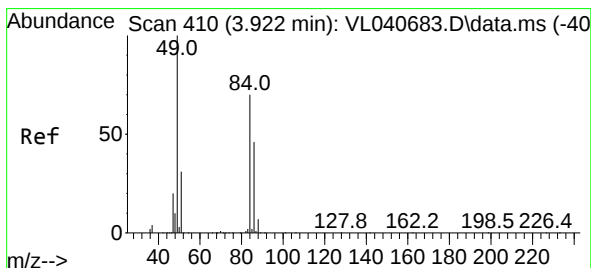
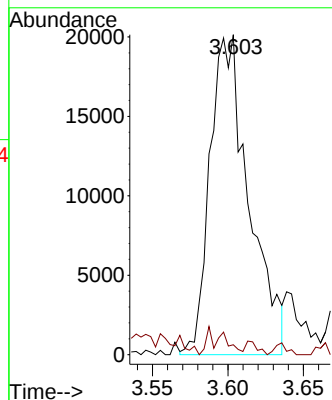
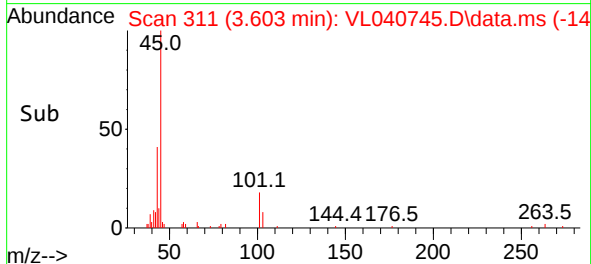
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



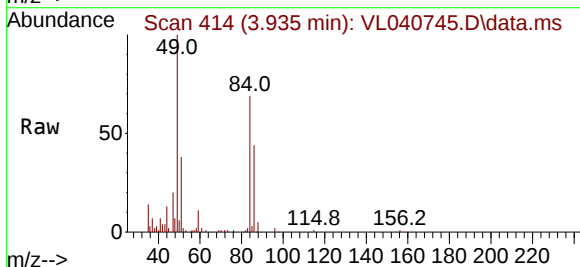
Tgt Ion: 45 Resp: 36110
Ion Ratio Lower Upper
45 100
58 5.9 1.9 2.9

Manual Integrations
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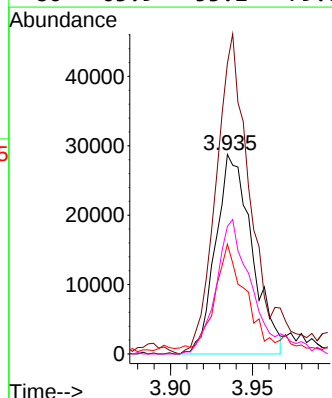
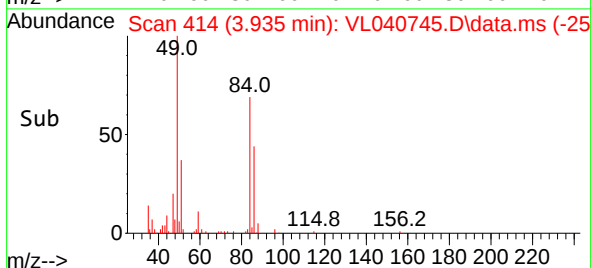
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

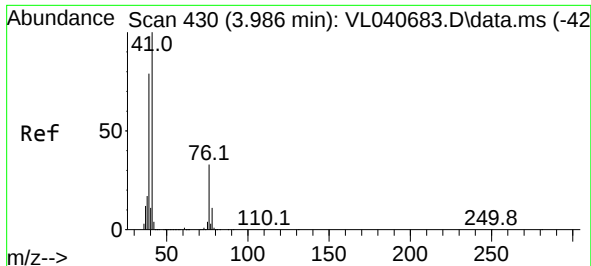


#20
Methylene Chloride
Concen: 0.745 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13



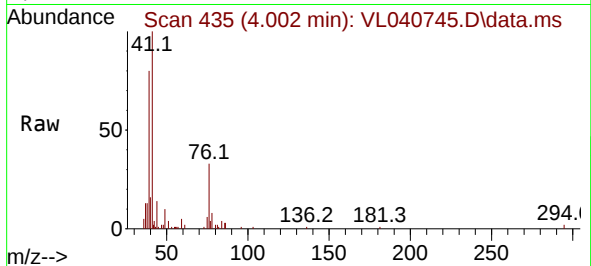
Tgt Ion: 84 Resp: 44245
Ion Ratio Lower Upper
84 100
49 145.7 114.4 171.6
51 52.0 35.5 53.3
86 63.9 53.2 79.8





#21
 Allyl Chloride
 Concen: 0.599 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

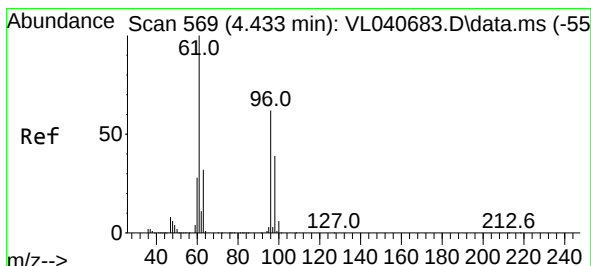
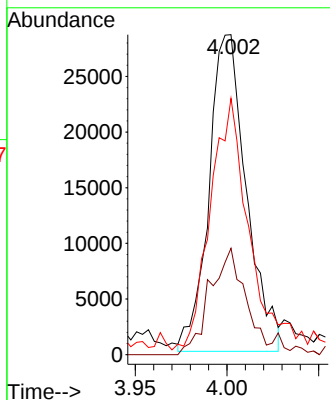
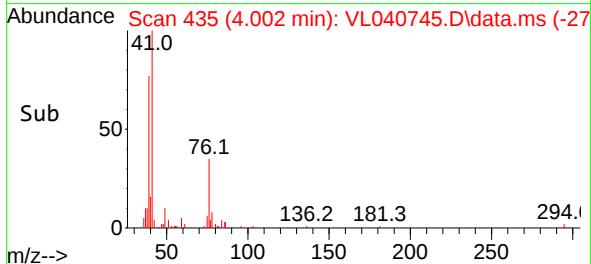
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023



Tgt Ion: 41 Resp: 40489
 Ion Ratio Lower Upper
 41 100
 76 34.2 26.6 40.0
 39 98.7 65.0 97.4

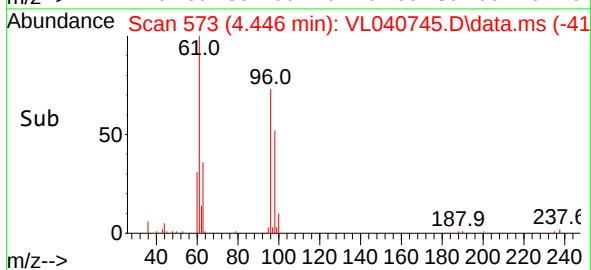
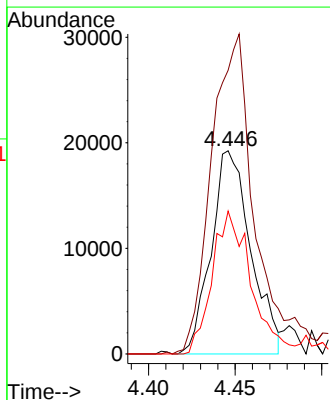
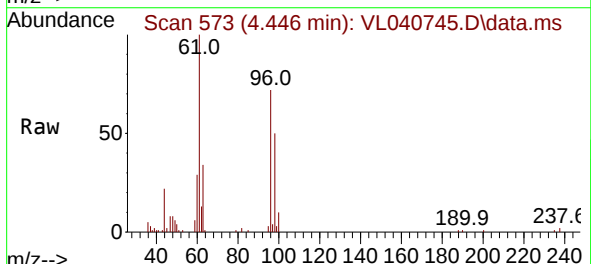
Manual Integrations
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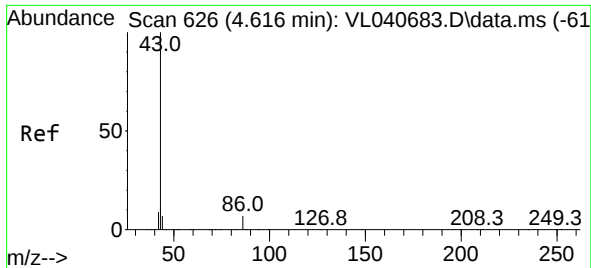
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.602 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. -0.006 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

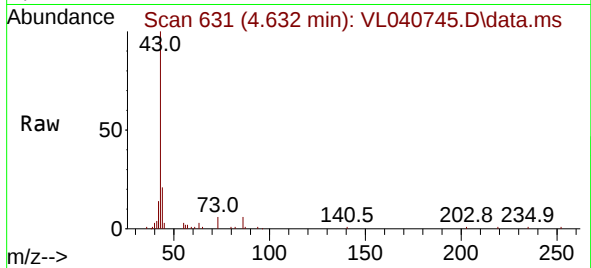
Tgt Ion: 96 Resp: 30659
 Ion Ratio Lower Upper
 96 100
 61 138.2 129.9 194.9
 98 70.3 50.2 75.4





#23
 Vinyl Acetate
 Concen: 0.533 ppbv
 RT: 4.632 min Scan# 607
 Delta R.T. 0.000 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

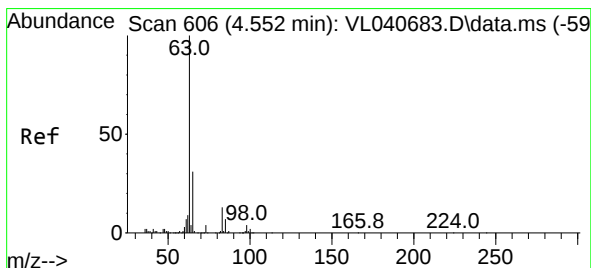
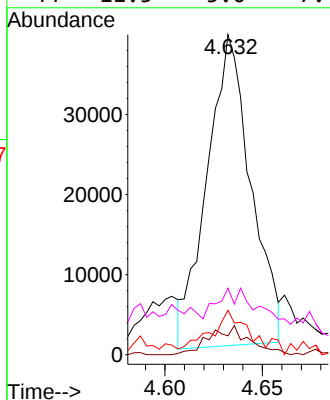
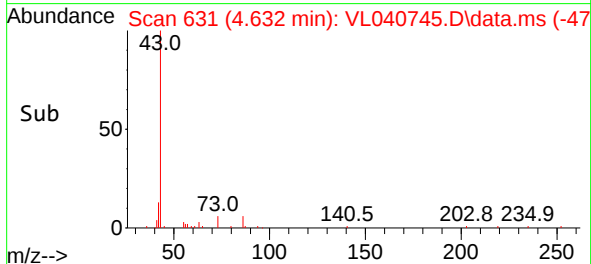
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023



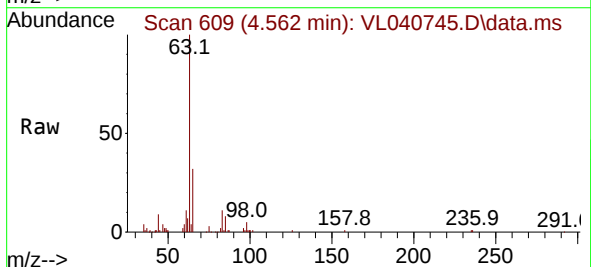
Tgt Ion: 43 Resp: 6078
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.6 8.4
 42 14.4 7.6 11.4
 44 11.5 5.0 7.4#

Manual Integrations
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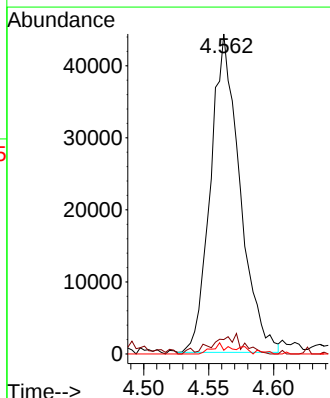
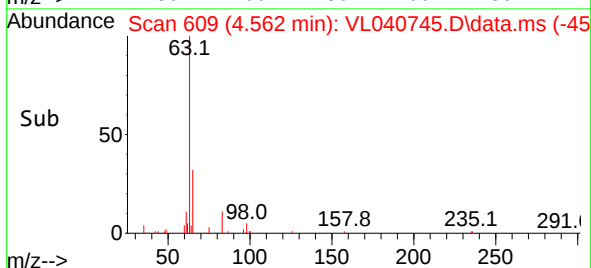
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

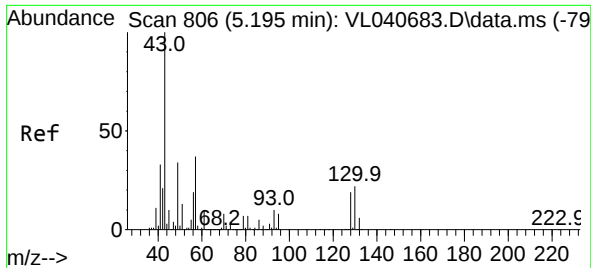


#24
 1,1-Dichloroethane
 Concen: 0.649 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.006 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13



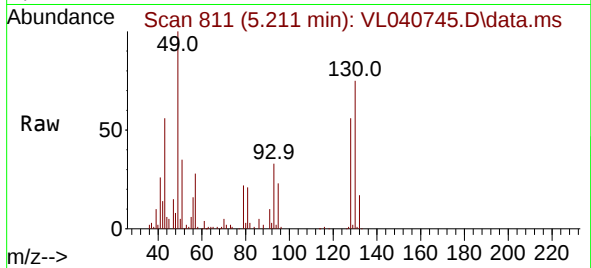
Tgt Ion: 63 Resp: 69300
 Ion Ratio Lower Upper
 63 100
 98 5.2 1.8 5.5
 100 1.2 1.2 3.6#





#25
Ethyl Acetate
Concen: 0.570 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

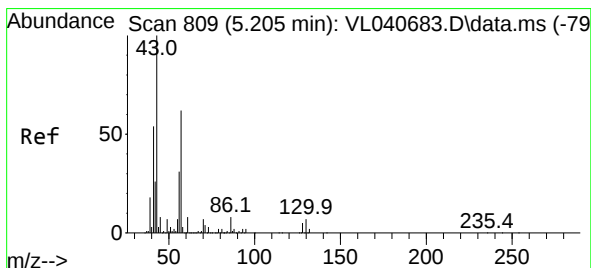
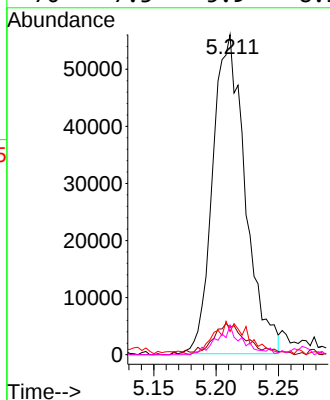
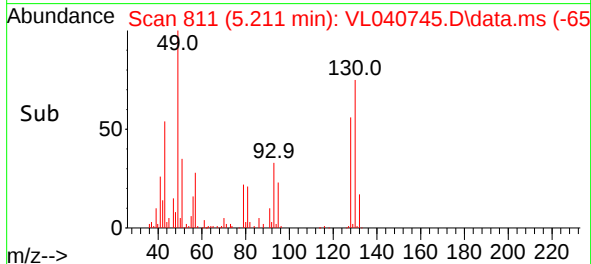
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 43 Resp: 101350
Ion Ratio Lower Upper
43 100
45 10.9 8.2 12.4
61 12.4 8.2 12.4
70 7.3 5.9 8.9

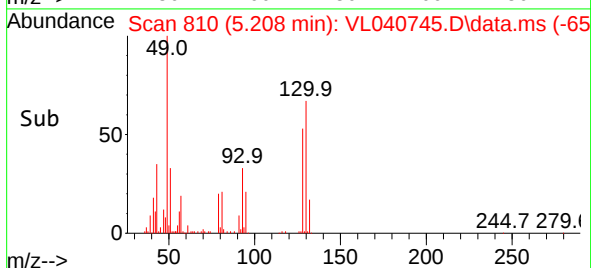
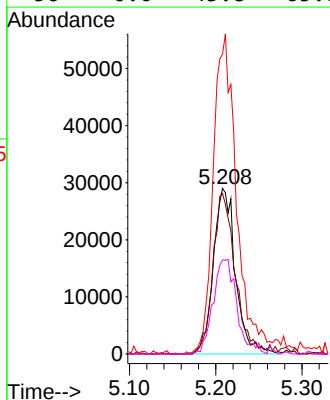
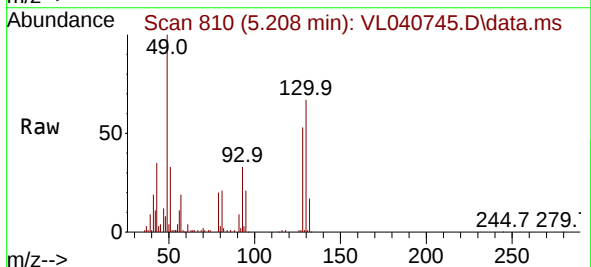
Manual Integrations
APPROVED

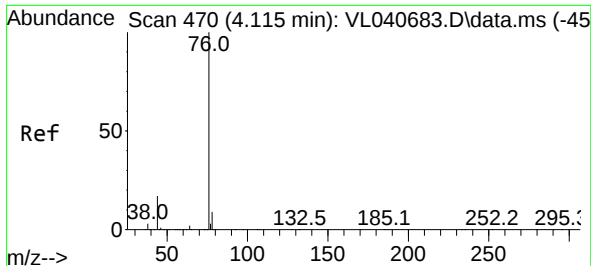
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#26
Hexane
Concen: 0.614 ppbv m
RT: 5.208 min Scan# 810
Delta R.T. -0.013 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

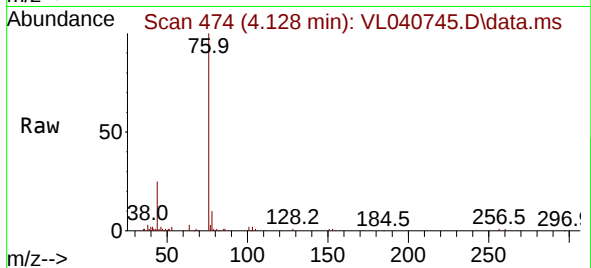
Tgt Ion: 57 Resp: 51666
Ion Ratio Lower Upper
57 100
41 97.1 75.2 112.8
43 0.0 185.6 278.4#
56 0.0 43.8 65.8#





#27
Carbon Disulfide
Concen: 0.528 ppbv
RT: 4.128 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

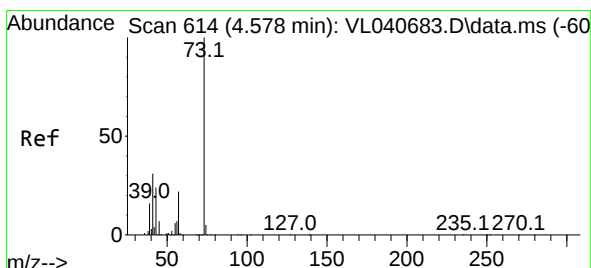
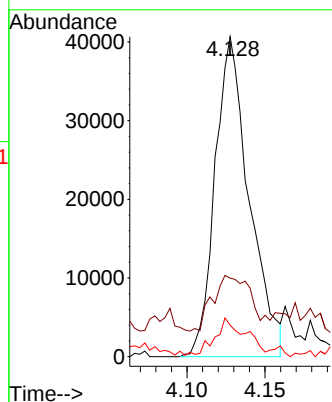
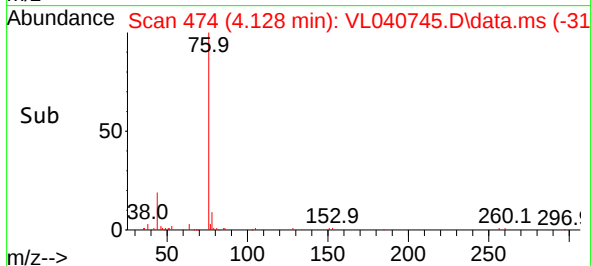
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 76 Resp: 61918
Ion Ratio Lower Upper
76 100
44 29.8 14.5 21.7
78 12.6 7.7 11.5

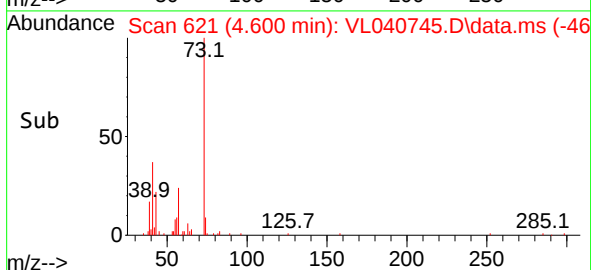
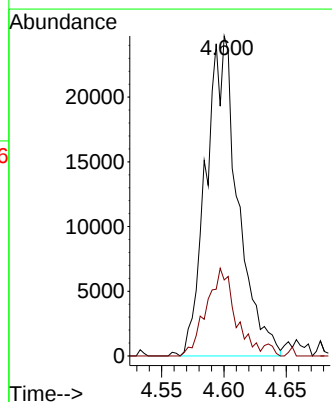
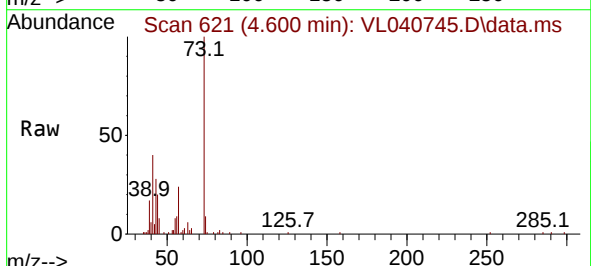
Manual Integrations
APPROVED

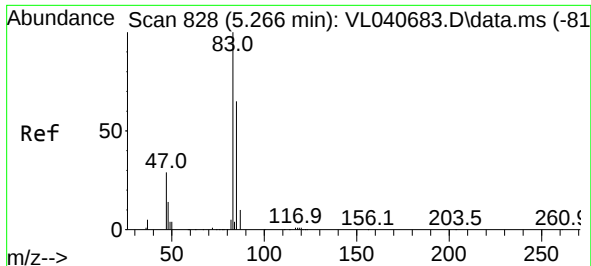
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#28
Methyl tert-Butyl Ether
Concen: 0.612 ppbv m
RT: 4.600 min Scan# 621
Delta R.T. 0.010 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

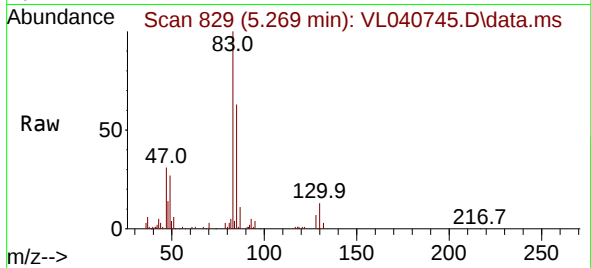
Tgt Ion: 73 Resp: 44265
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2#





#29
Chloroform
Concen: 0.650 ppbv
RT: 5.269 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

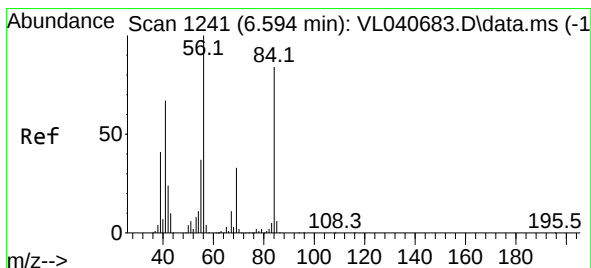
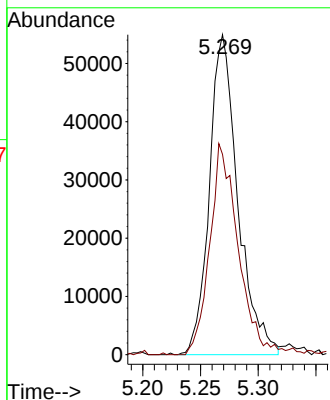
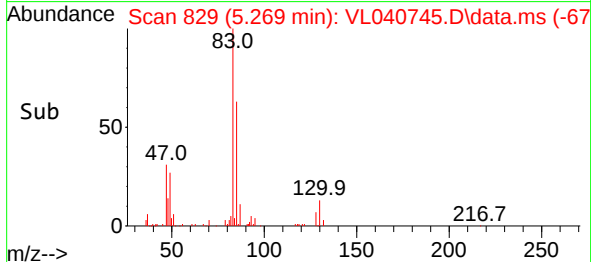
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 83 Resp: 9439
Ion Ratio Lower Upper
83 100
85 62.6 51.8 77.8

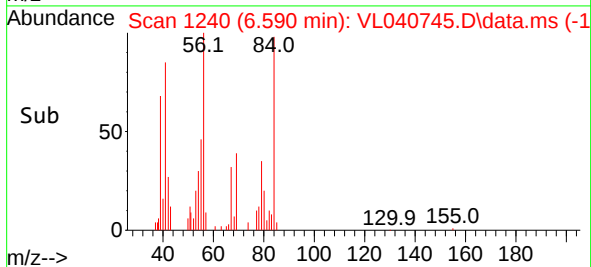
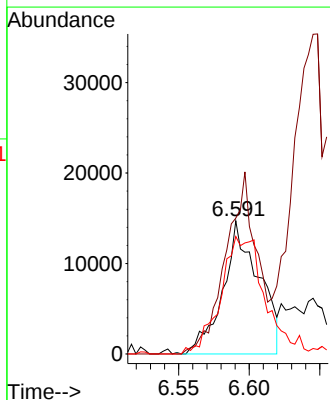
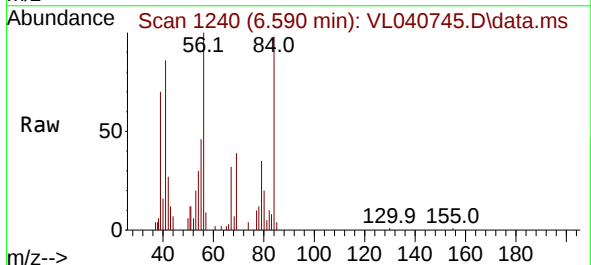
Manual Integrations
APPROVED

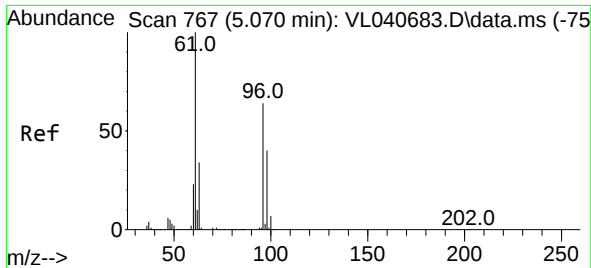
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#30
Cyclohexane
Concen: 0.410 ppbv m
RT: 6.590 min Scan# 1240
Delta R.T. -0.019 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

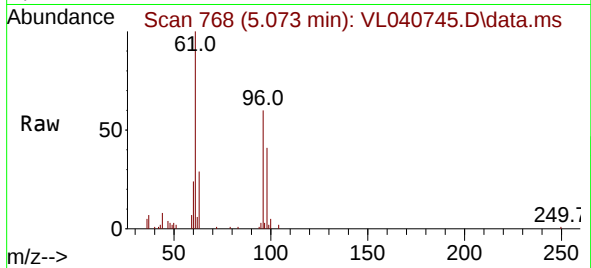
Tgt Ion: 84 Resp: 25948
Ion Ratio Lower Upper
84 100
56 0.0 103.2 154.8#
41 111.4 65.5 98.3#





#31
 cis-1,2-Dichloroethene
 Concen: 0.563 ppbv
 RT: 5.073 min Scan# 767
 Delta R.T. -0.013 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

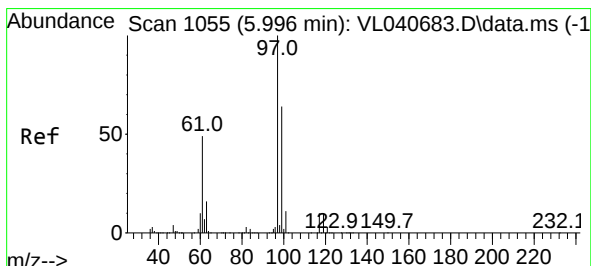
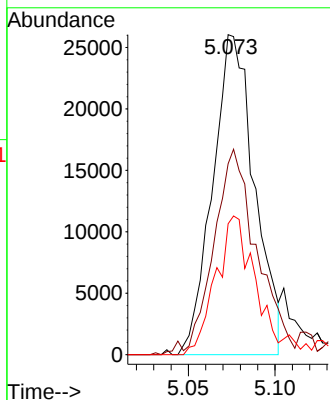
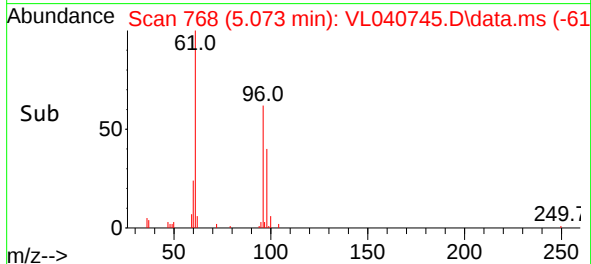
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023



Tgt Ion: 61 Resp: 43900
 Ion Ratio Lower Upper
 61 100
 96 55.4 51.2 76.8
 98 40.9 32.3 48.5

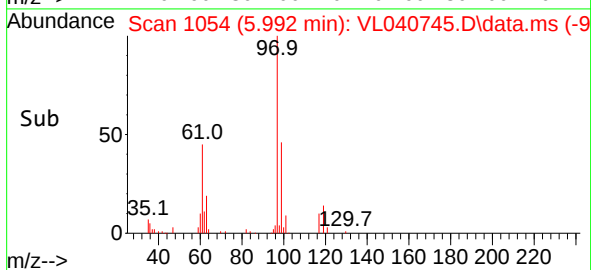
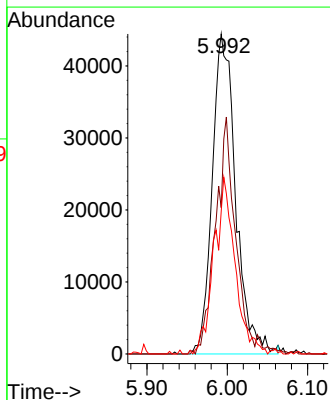
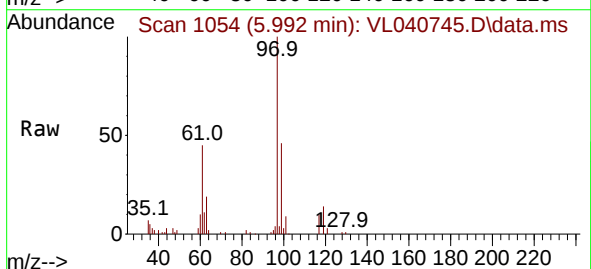
Manual Integrations
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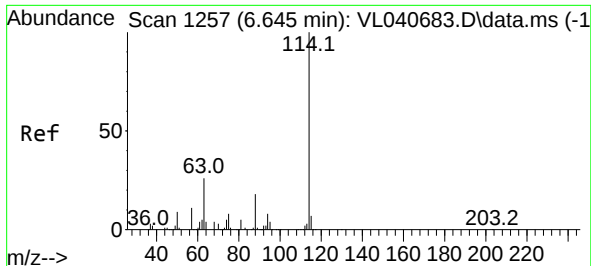
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.607 ppbv m
 RT: 5.992 min Scan# 1054
 Delta R.T. -0.019 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

Tgt Ion: 97 Resp: 90157
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.4 78.6
 61 50.7 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1

Delta R.T. -0.016 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2023

Tgt Ion:114 Resp: 2345529

Ion Ratio Lower Upper

114 100

63 25.8 21.1 31.7

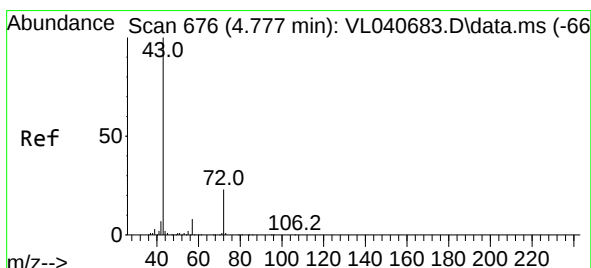
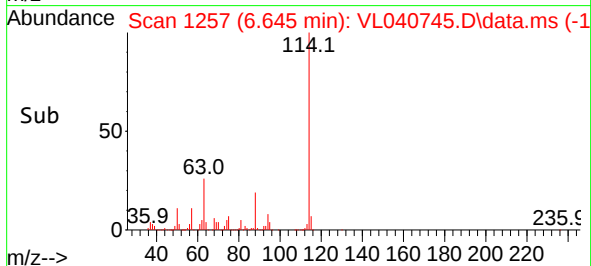
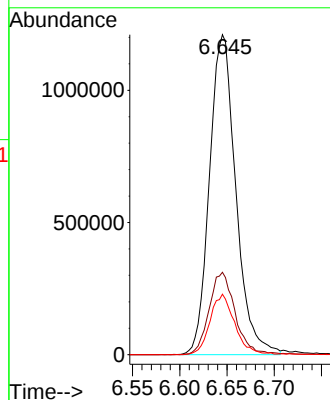
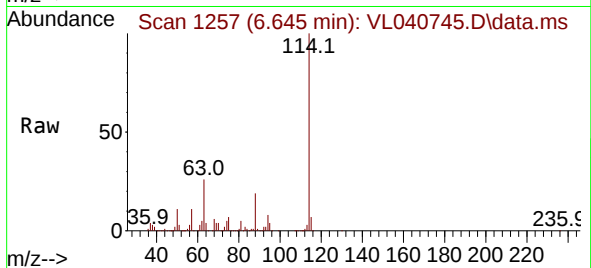
88 18.0 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#34

2-Butanone

Concen: 0.576 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.013 min

Lab File: VL040745.D

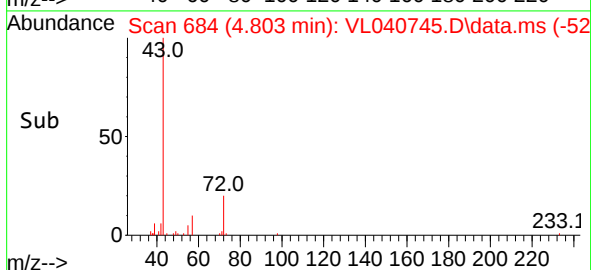
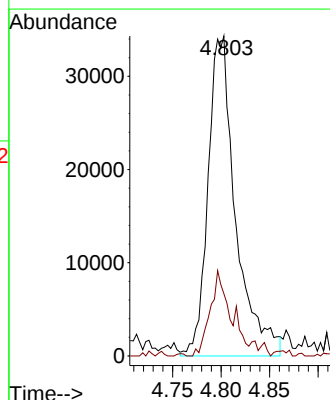
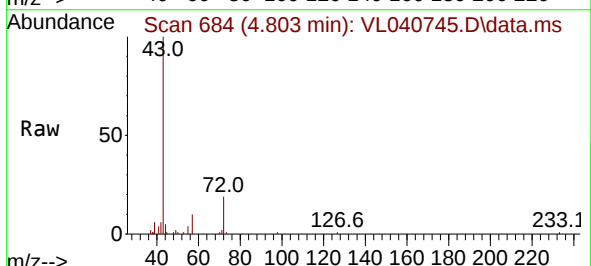
Acq: 4 Oct 2023 18:13

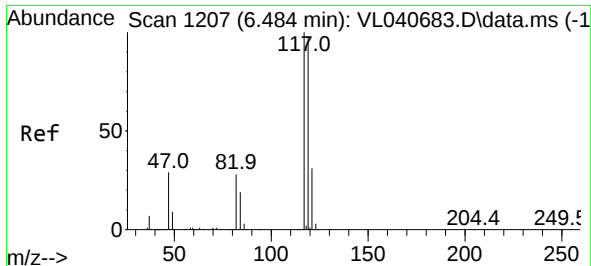
Tgt Ion: 43 Resp: 67950

Ion Ratio Lower Upper

43 100

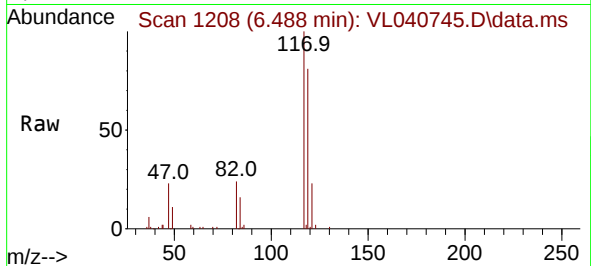
72 23.1 18.6 27.8





#35
Carbon Tetrachloride
Concen: 0.563 ppbv
RT: 6.488 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

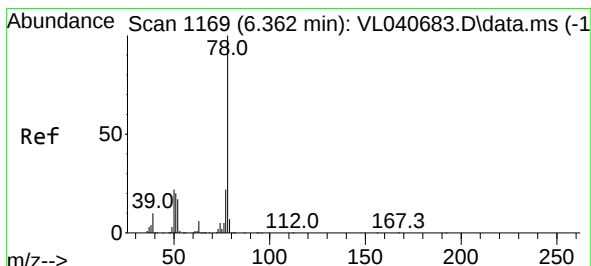
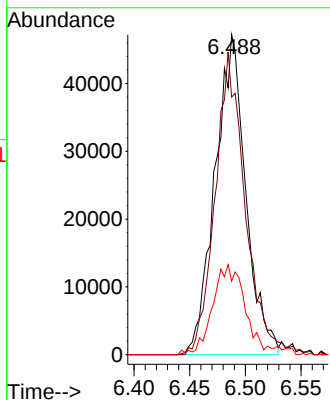
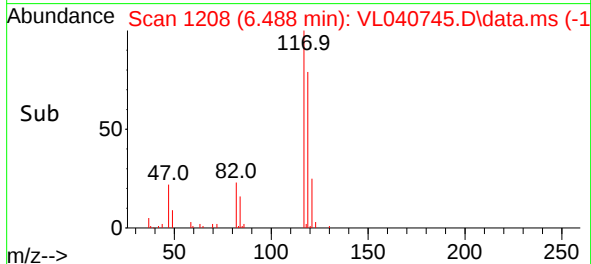
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 117 Resp: 9069
Ion Ratio Lower Upper
117 100
119 80.5 78.6 117.8
121 23.0 24.7 37.1

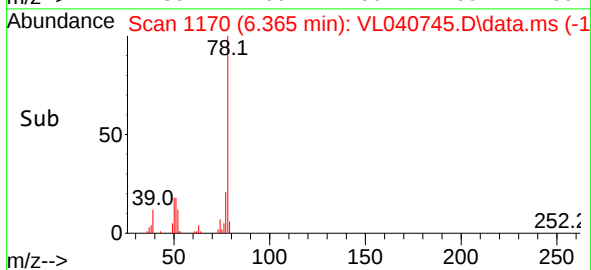
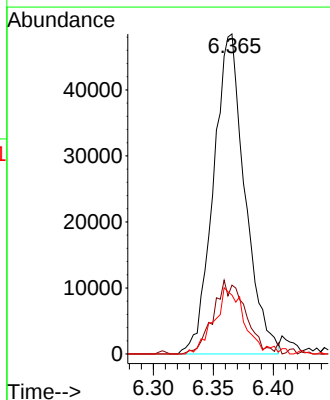
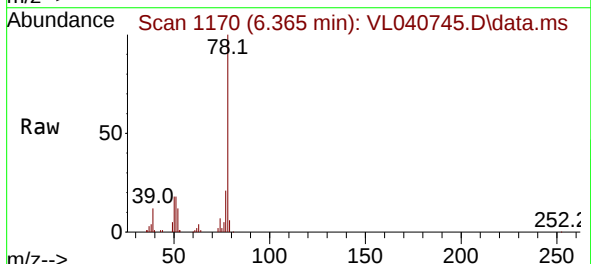
Manual Integrations
APPROVED

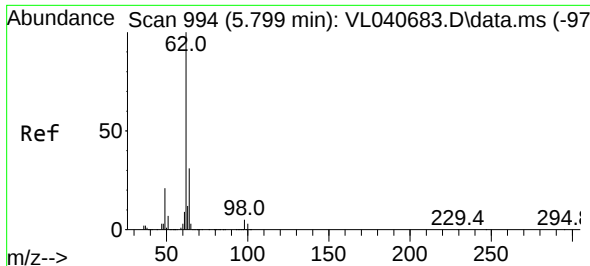
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#36
Benzene
Concen: 0.509 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Tgt Ion: 78 Resp: 88415
Ion Ratio Lower Upper
78 100
77 21.5 17.9 26.9
50 18.4 17.3 25.9





#37

1,2-Dichloroethane

Concen: 0.541 ppbv

RT: 5.800 min Scan# 994

Delta R.T. -0.016 min

Lab File: VL040745.D

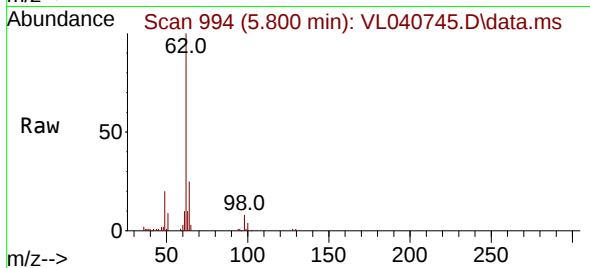
Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2023



Tgt Ion: 62 Resp: 6436

Ion Ratio Lower Upper

62 100

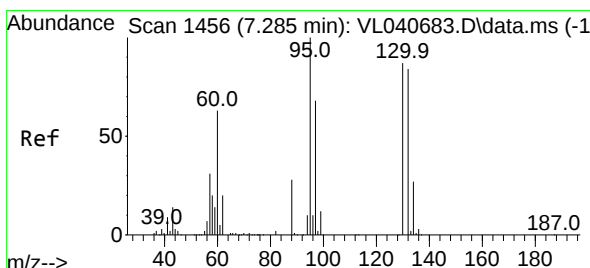
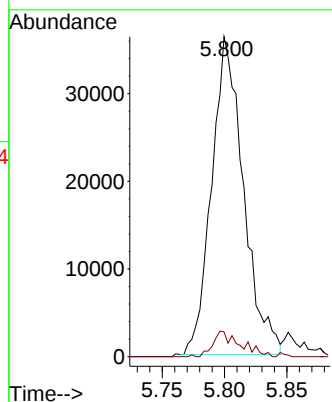
98 7.1 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#38

Trichloroethene

Concen: 0.545 ppbv m

RT: 7.279 min Scan# 1454

Delta R.T. -0.022 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Tgt Ion:130 Resp: 36118

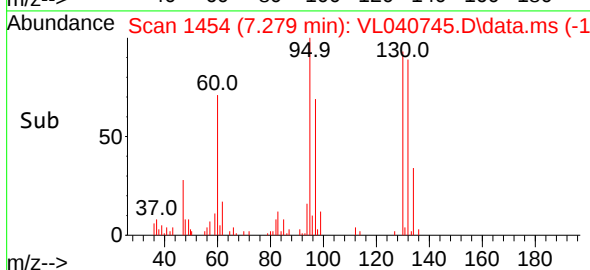
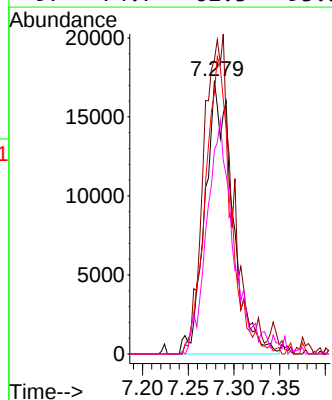
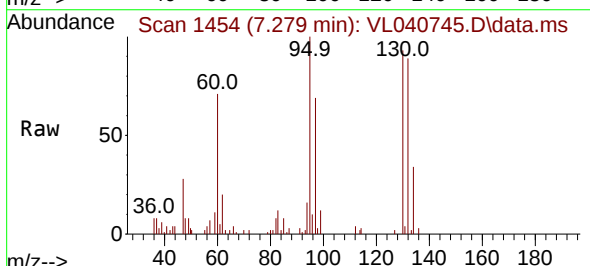
Ion Ratio Lower Upper

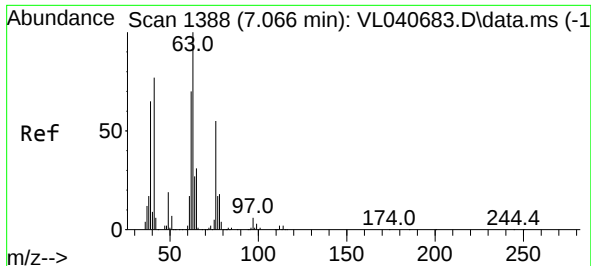
130 100

95 107.8 91.9 137.9

132 95.7 77.3 115.9

97 74.7 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.477 ppbv

RT: 7.066 min Scan# 1388

Delta R.T. -0.016 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

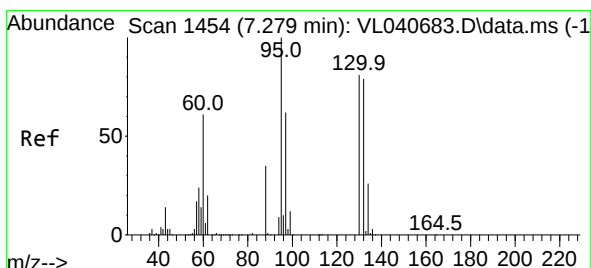
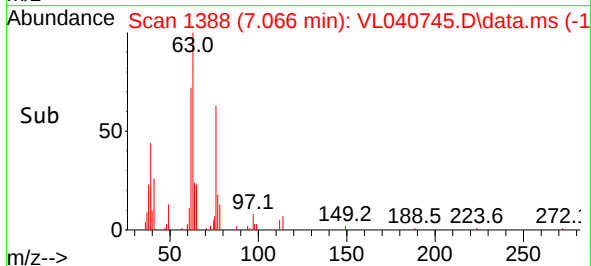
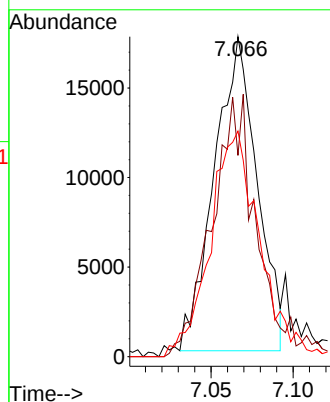
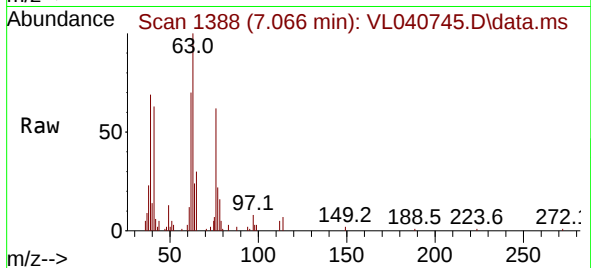
LOQ-AIR-02-QT4-2023

Tgt Ion:	63	Resp:	3185
Ion	Ratio	Lower	Upper
63	100		
41	60.7	61.6	92.4
62	66.0	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#40

1,4-Dioxane

Concen: 0.389 ppbv m

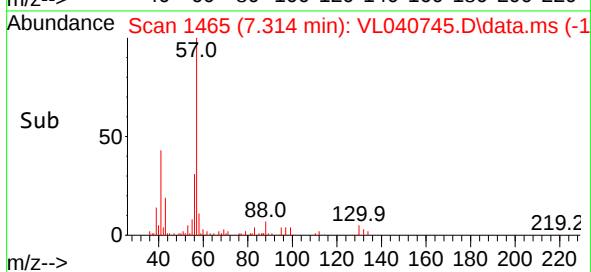
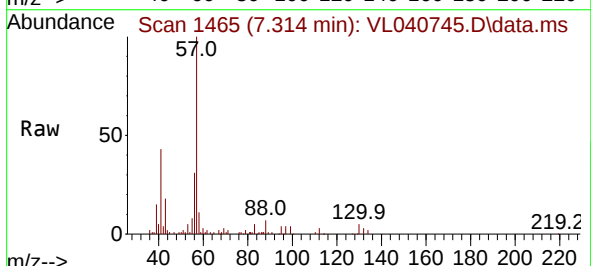
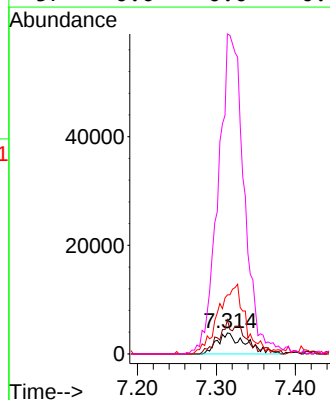
RT: 7.314 min Scan# 1465

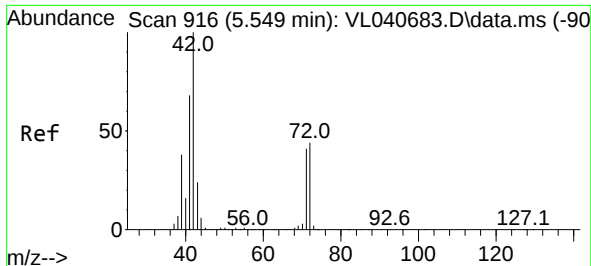
Delta R.T. 0.019 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

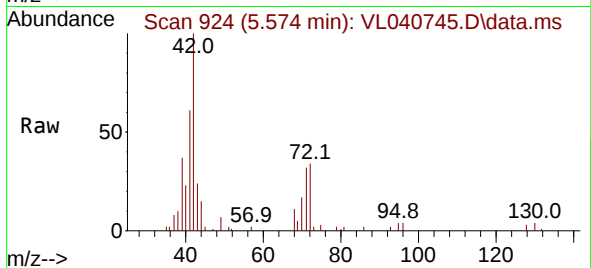
Tgt Ion:	88	Resp:	9829
Ion	Ratio	Lower	Upper
88	100		
58	0.0	92.7	139.1
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.453 ppbv m
RT: 5.574 min Scan# 916
Delta R.T. 0.013 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

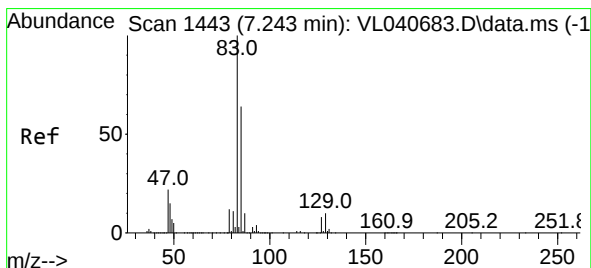
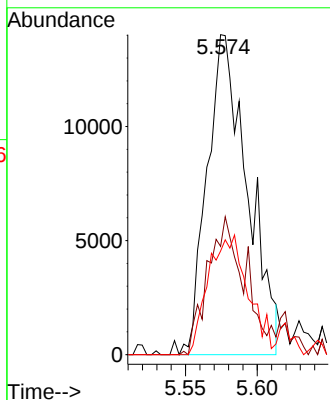
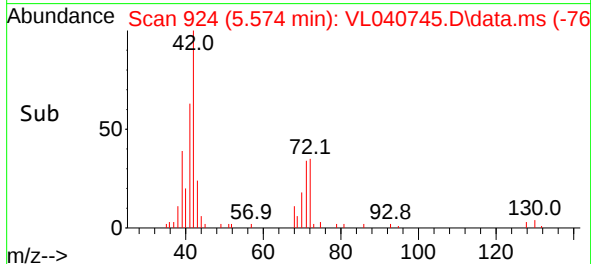
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 42 Resp: 2738
Ion Ratio Lower Upper
42 100
72 45.8 34.9 52.3
71 41.9 33.8 50.8

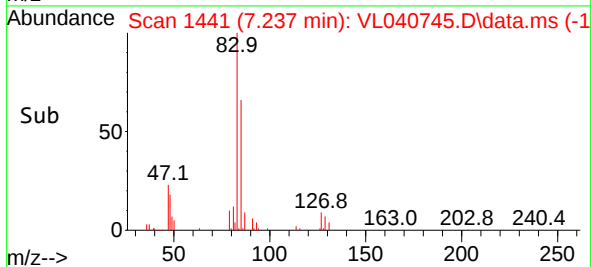
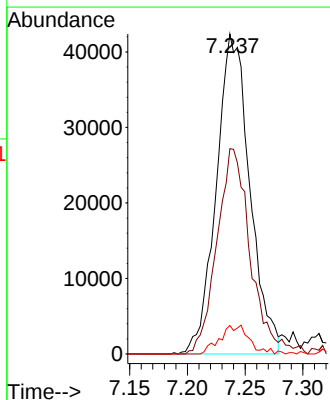
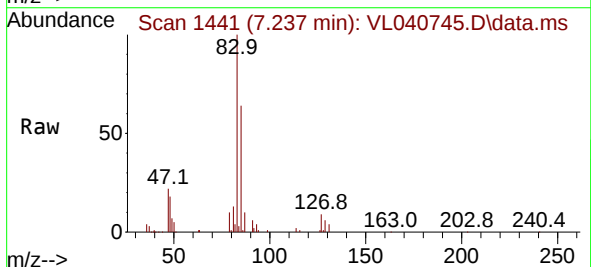
Manual Integrations
APPROVED

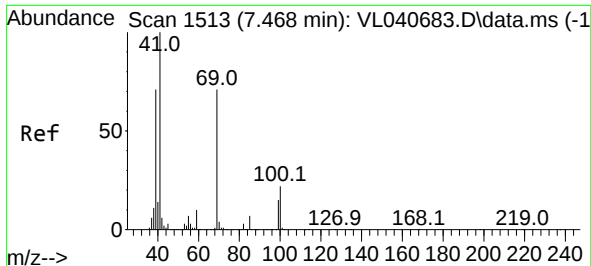
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#42
Bromodichloromethane
Concen: 0.527 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

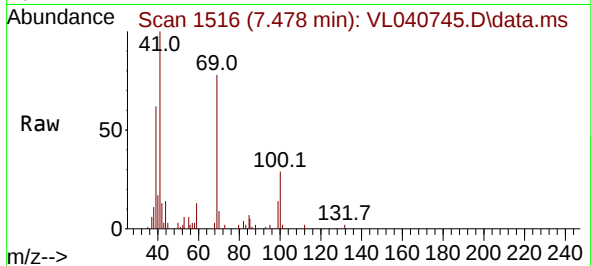
Tgt Ion: 83 Resp: 85532
Ion Ratio Lower Upper
83 100
85 64.1 51.2 76.8
127 8.9 6.2 9.4





#43
Methyl Methacrylate
Concen: 0.419 ppbv
RT: 7.478 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

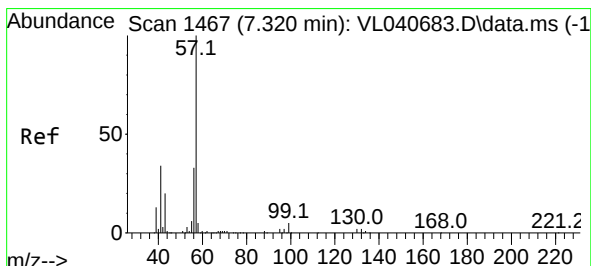
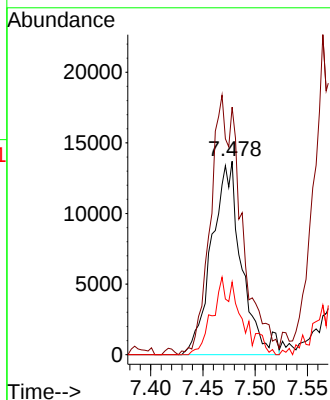
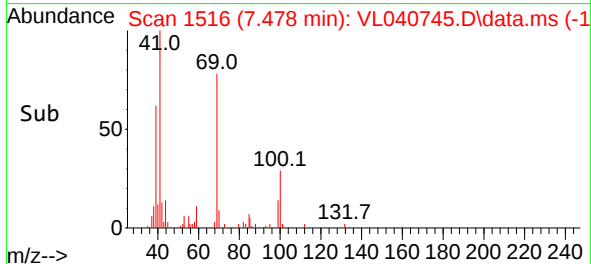
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



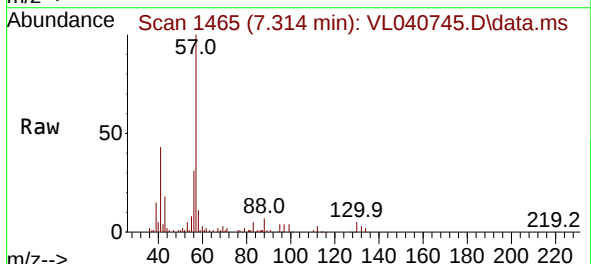
Tgt Ion: 69 Resp: 27070
Ion Ratio Lower Upper
69 100
41 141.4 113.8 170.8
100 38.2 25.4 38.0

Manual Integrations
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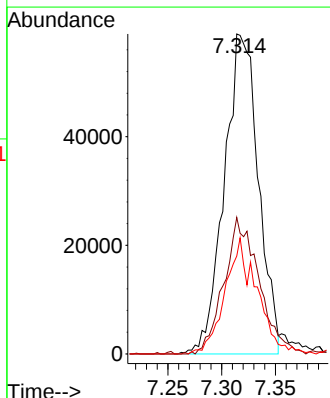
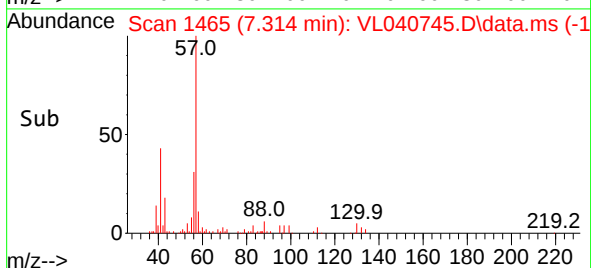
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

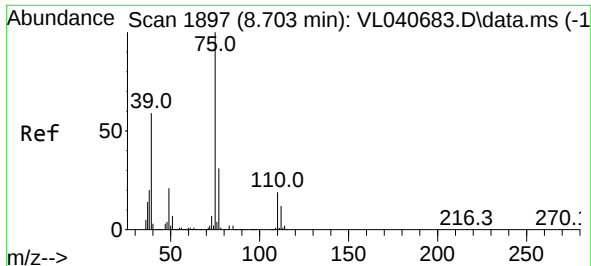


#44
2,2,4-Trimethylpentane
Concen: 0.470 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13



Tgt Ion: 57 Resp: 129920
Ion Ratio Lower Upper
57 100
41 44.2 28.5 42.7#
56 34.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.394 ppbv m

RT: 8.697 min Scan# 1895

Delta R.T. -0.026 min

Lab File: VL040745.D

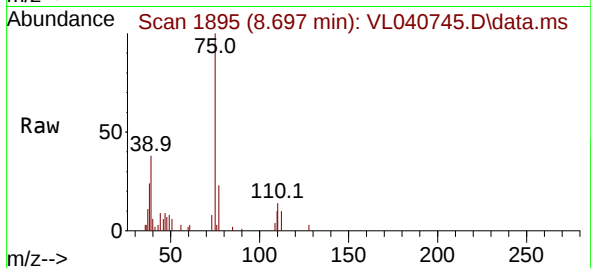
Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2023



Tgt Ion: 75 Resp: 1974

Ion Ratio Lower Upper

75 100

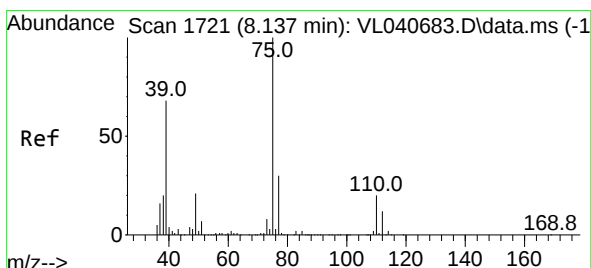
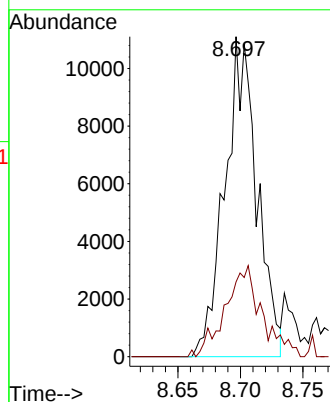
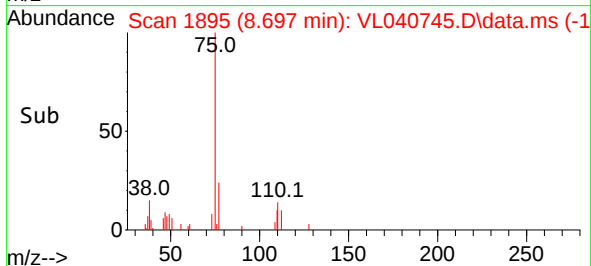
77 23.3 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#46

cis-1,3-Dichloropropene

Concen: 0.402 ppbv m

RT: 8.131 min Scan# 1719

Delta R.T. -0.019 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

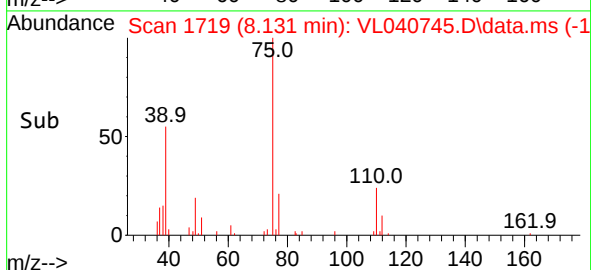
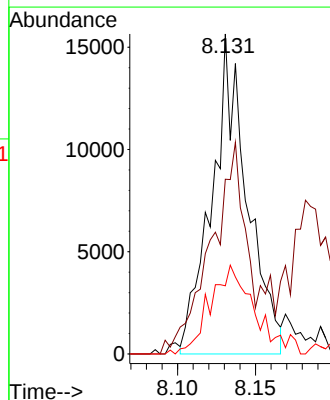
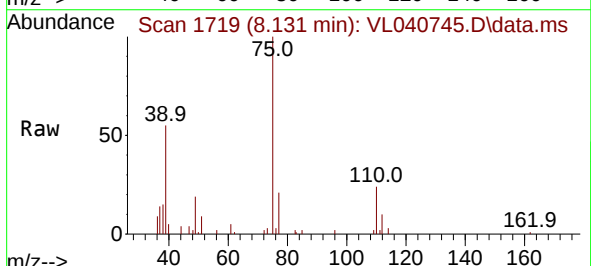
Tgt Ion: 75 Resp: 24632

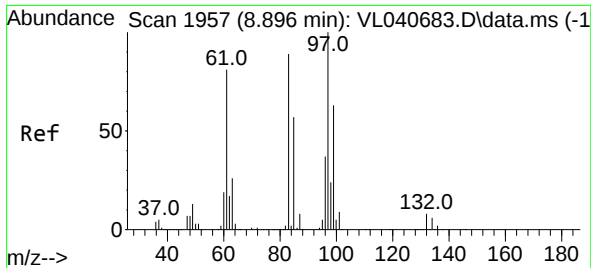
Ion Ratio Lower Upper

75 100

39 54.6 54.0 81.0

77 21.3 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 0.537 ppbv m

RT: 8.880 min Scan# 1957

Delta R.T. -0.029 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2023

Tgt Ion: 97 Resp: 41164

Ion Ratio Lower Upper

97 100

83 94.0 70.8 106.2

85 46.4 45.7 68.5

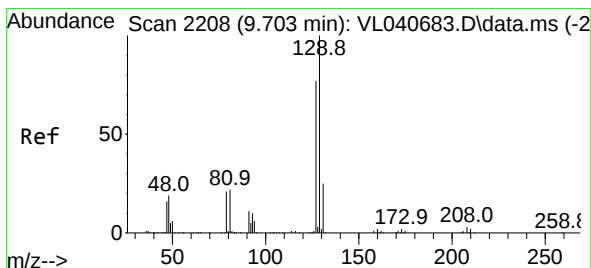
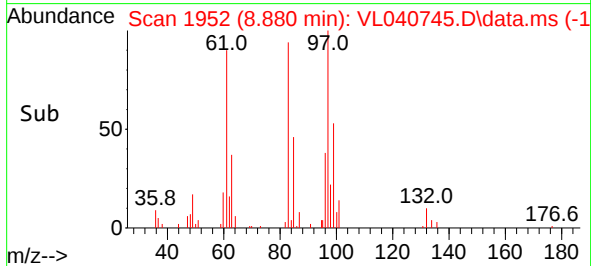
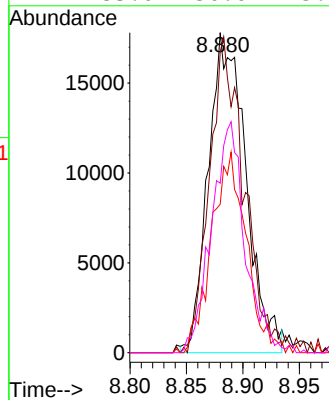
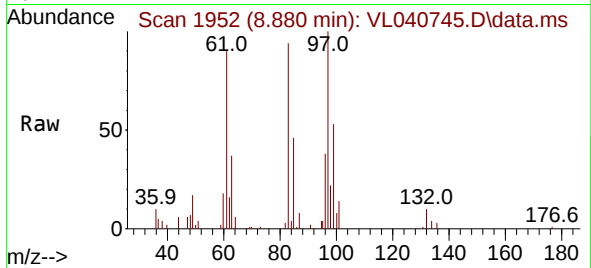
99 53.0 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#48

Dibromochloromethane

Concen: 0.486 ppbv m

RT: 9.696 min Scan# 2206

Delta R.T. -0.026 min

Lab File: VL040745.D

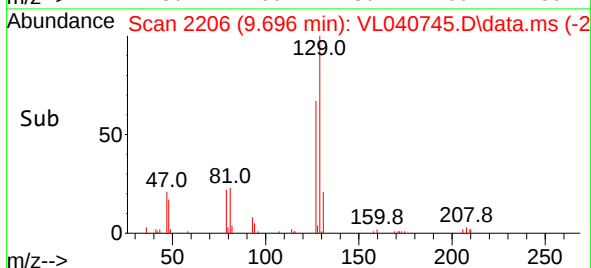
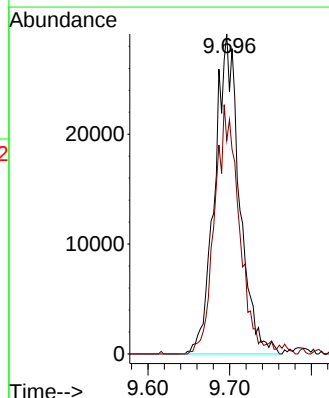
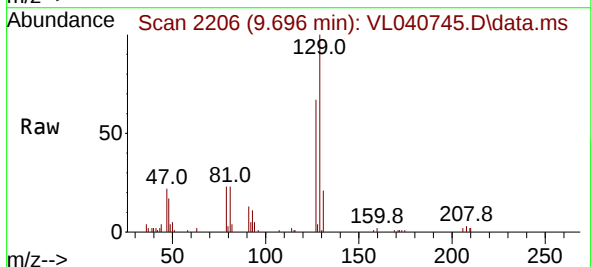
Acq: 4 Oct 2023 18:13

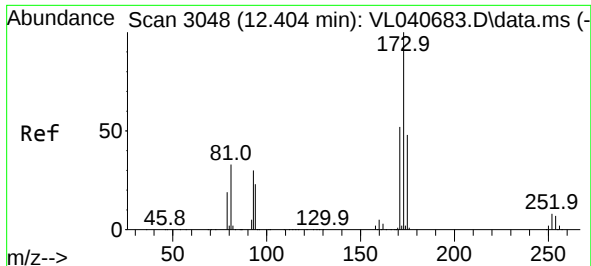
Tgt Ion:129 Resp: 61477

Ion Ratio Lower Upper

129 100

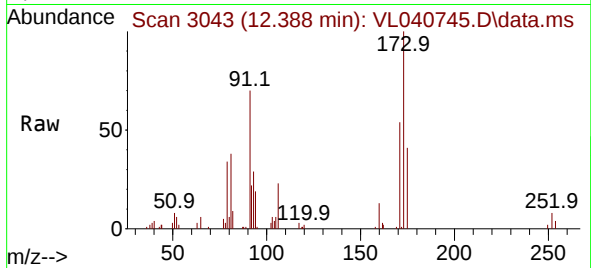
127 78.0 39.4 118.2





#49
Bromoform
Concen: 0.437 ppbv
RT: 12.388 min Scan# 3048
Delta R.T. -0.032 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

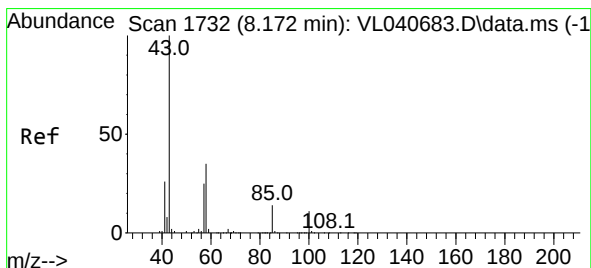
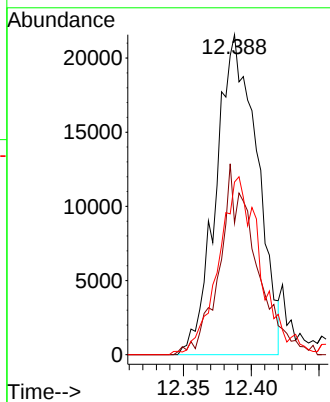
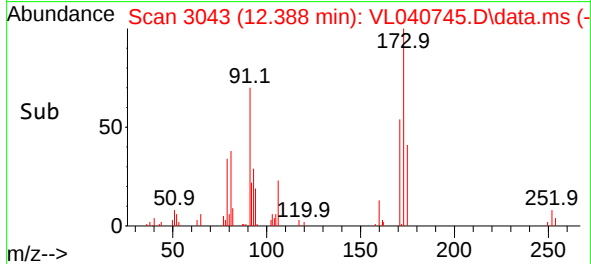
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 173 Resp: 45474
Ion Ratio Lower Upper
173 100
175 52.4 38.8 58.2
171 58.3 42.2 63.2

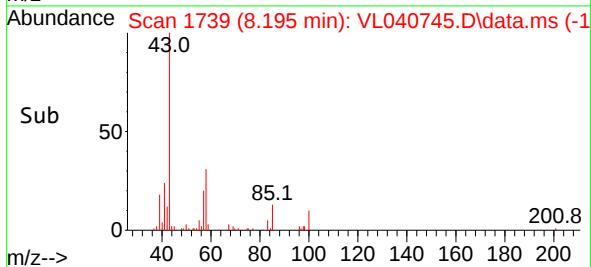
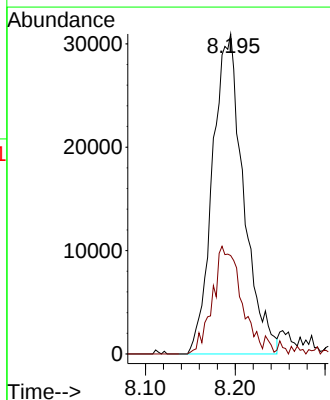
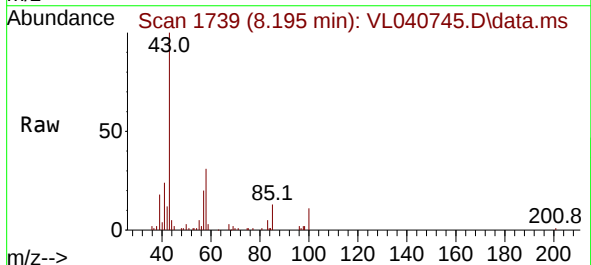
Manual Integrations
APPROVED

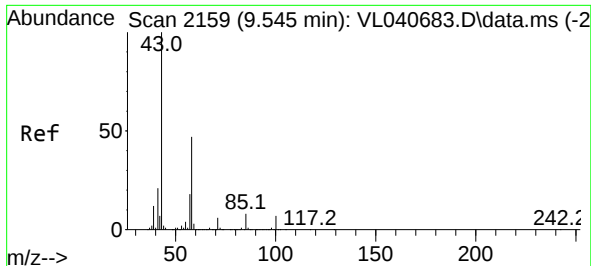
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#50
4-Methyl-2-Pentanone
Concen: 0.463 ppbv m
RT: 8.195 min Scan# 1739
Delta R.T. 0.003 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

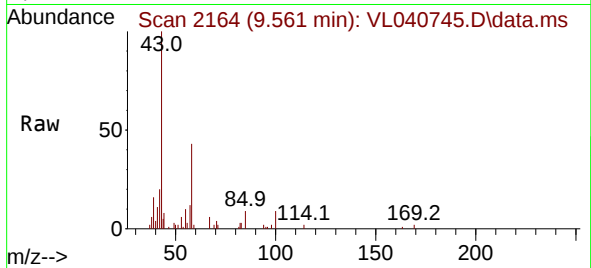
Tgt Ion: 43 Resp: 73827
Ion Ratio Lower Upper
43 100
58 32.7 28.2 42.4





#51
2-Hexanone
Concen: 0.388 ppbv m
RT: 9.561 min Scan# 2159
Delta R.T. 0.007 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

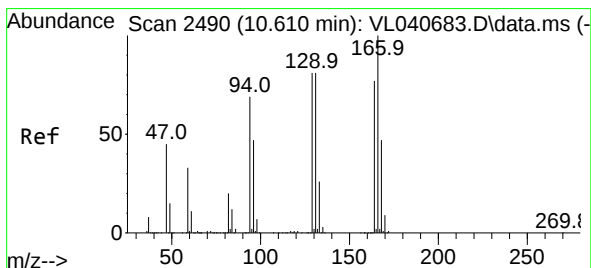
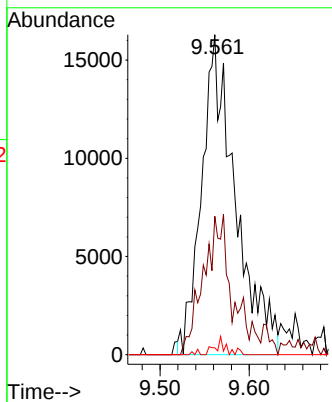
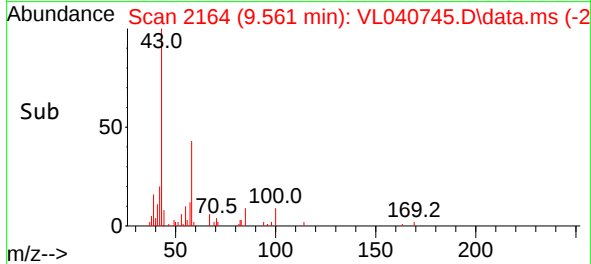
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 43 Resp: 42679
Ion Ratio Lower Upper
43 100
58 0.0 37.6 56.4
98 0.0 0.6 1.0

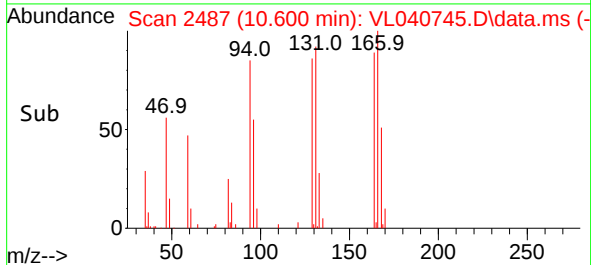
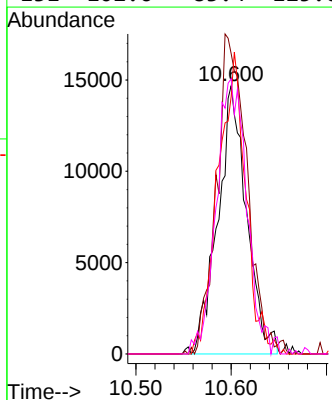
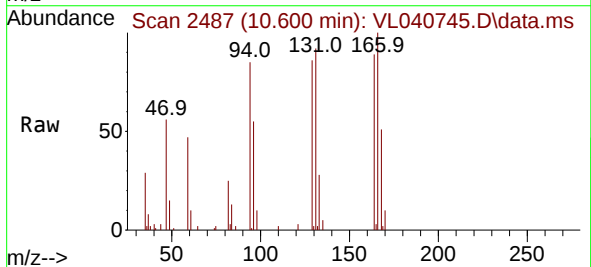
Manual Integrations
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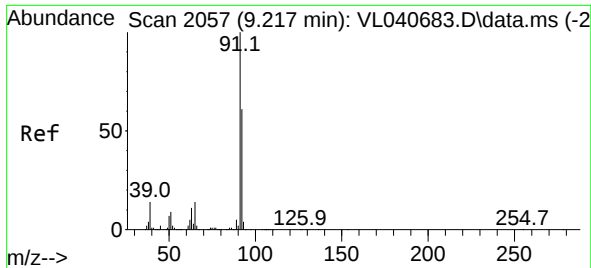
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#52
Tetrachloroethene
Concen: 0.545 ppbv m
RT: 10.600 min Scan# 2487
Delta R.T. -0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

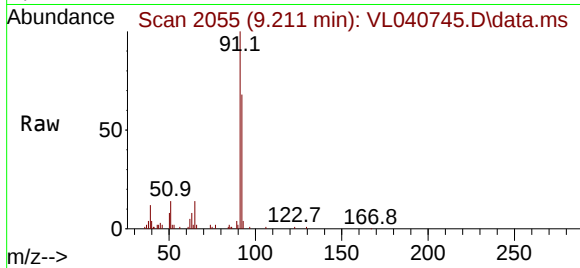
Tgt Ion:164 Resp: 30858
Ion Ratio Lower Upper
164 100
166 112.0 103.4 155.2
129 96.0 83.5 125.3
131 102.6 83.4 125.0





#53
Toluene
Concen: 0.412 ppbv m
RT: 9.211 min Scan# 2057
Delta R.T. -0.019 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

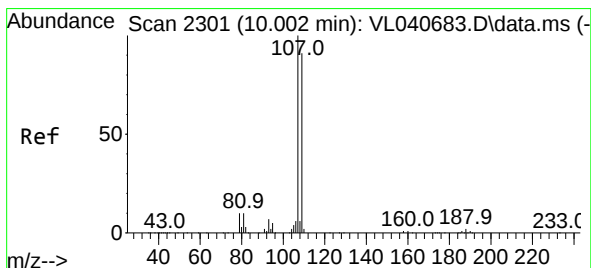
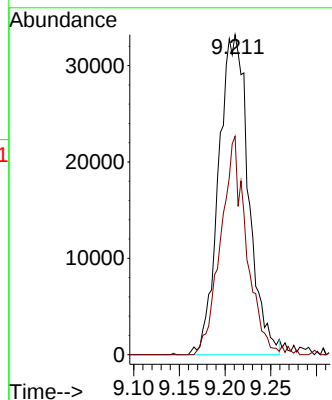
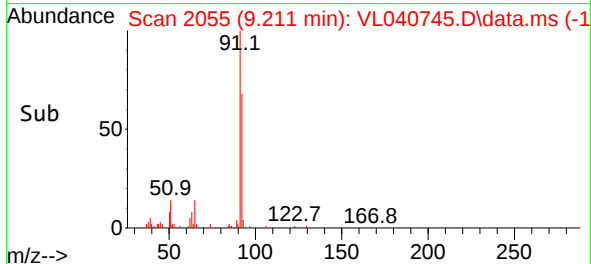
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



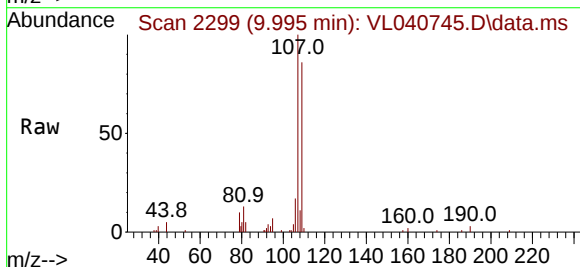
Tgt Ion: 91 Resp: 75498
Ion Ratio Lower Upper
91 100
92 59.7 48.5 72.7

Manual Integrations
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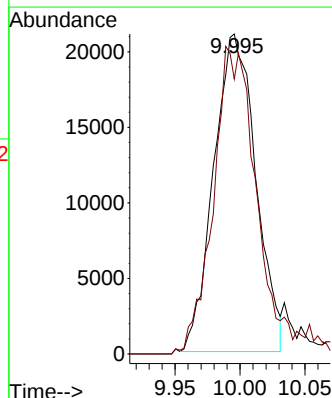
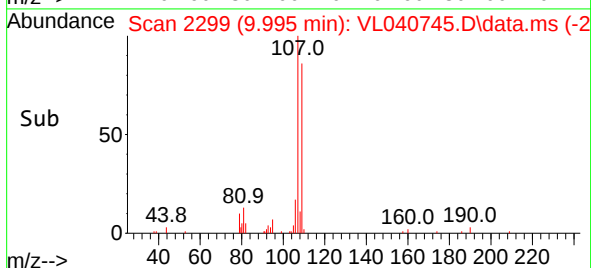
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

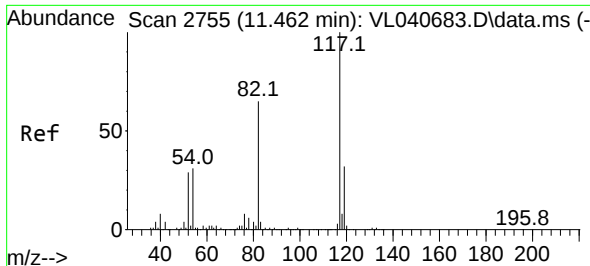


#54
1,2-Dibromoethane
Concen: 0.484 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13



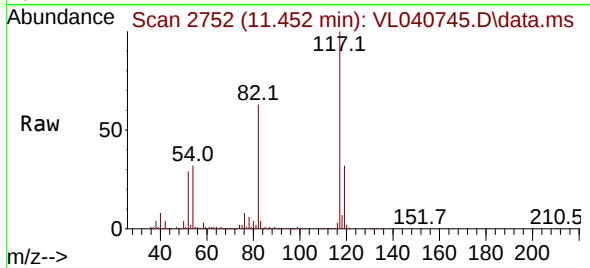
Tgt Ion:107 Resp: 47370
Ion Ratio Lower Upper
107 100
109 85.3 72.4 108.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

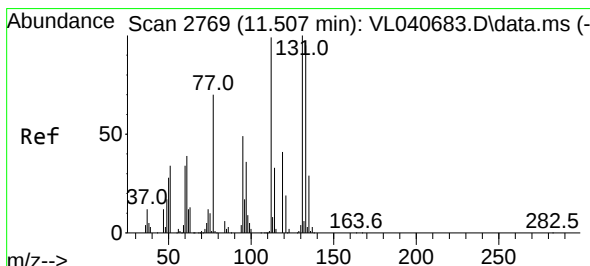
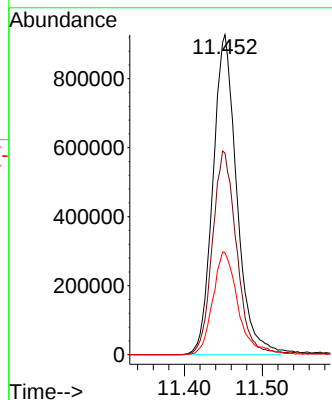
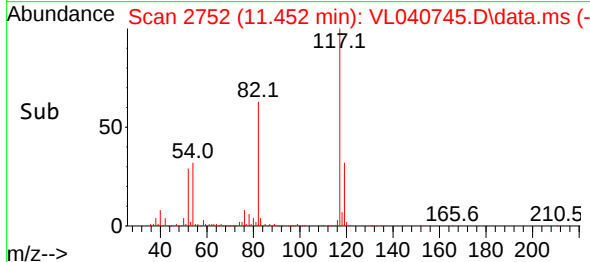
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion:117 Resp: 1973714
Ion Ratio Lower Upper
117 100
82 65.1 51.4 77.0
119 34.1 24.7 37.1

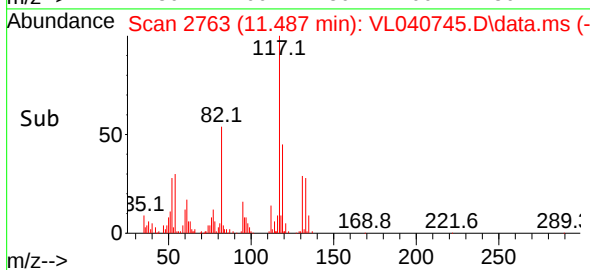
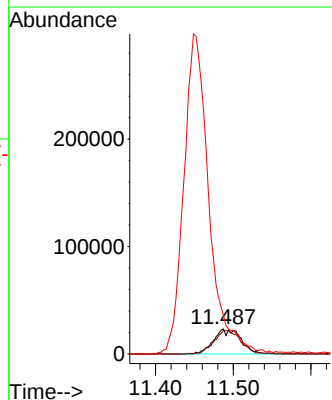
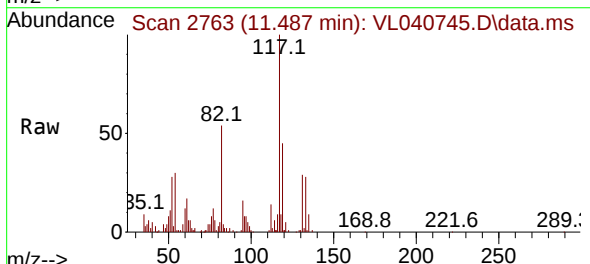
Manual Integrations
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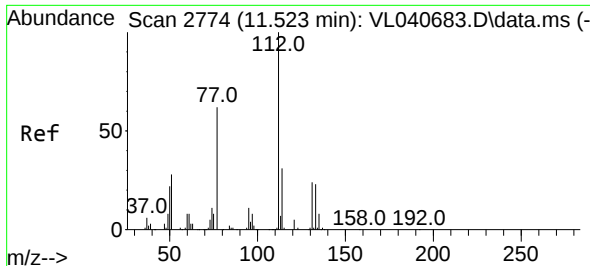
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.598 ppbv m
RT: 11.487 min Scan# 2763
Delta R.T. -0.032 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

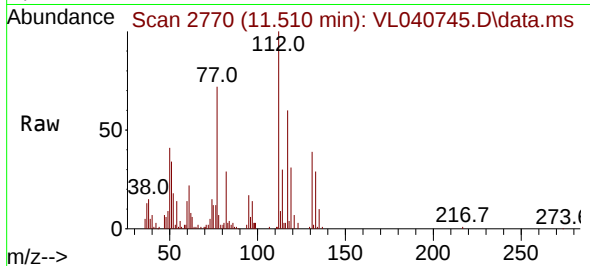
Tgt Ion:131 Resp: 56293
Ion Ratio Lower Upper
131 100
133 0.0 76.2 114.2#
119 0.0 45.5 68.3#





#57
Chlorobenzene
Concen: 0.588 ppbv
RT: 11.510 min Scan# 211
Delta R.T. -0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

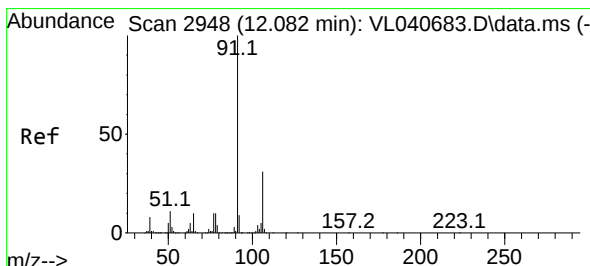
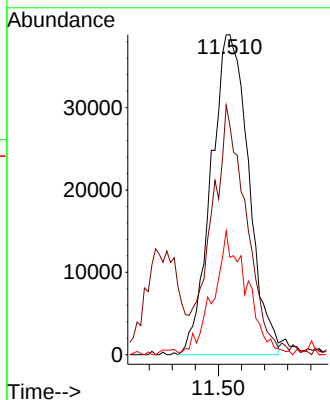
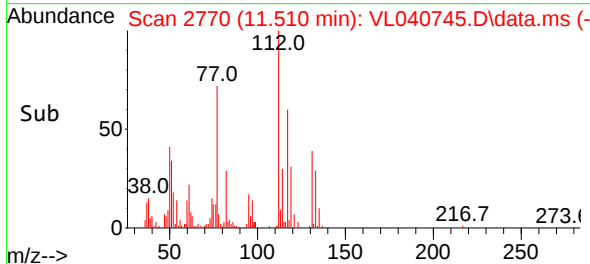
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion:112 Resp: 87911
Ion Ratio Lower Upper
112 100
77 69.4 50.8 76.2
114 29.7 28.2 34.4

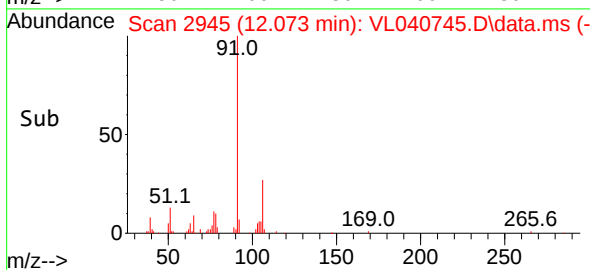
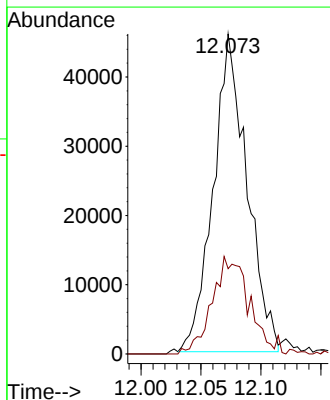
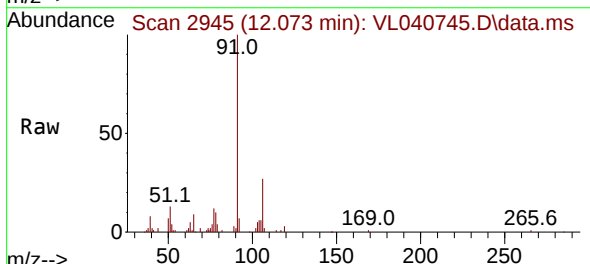
Manual Integrations
APPROVED

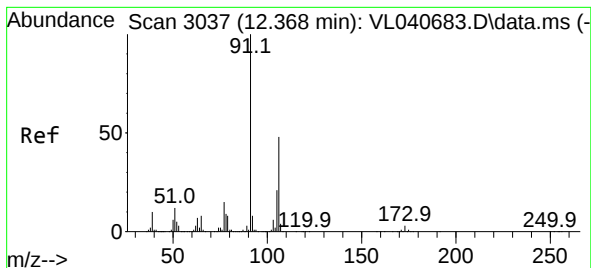
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#58
Ethyl Benzene
Concen: 0.399 ppbv
RT: 12.073 min Scan# 2945
Delta R.T. -0.029 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Tgt Ion: 91 Resp: 89834
Ion Ratio Lower Upper
91 100
106 26.8 24.7 37.1





#59

m/p-Xylene

Concen: 0.924 ppbv m

RT: 12.352 min Scan# 3032

Delta R.T. -0.029 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2023

Tgt Ion: 91 Resp: 19516

Ion Ratio Lower Upper

91 100

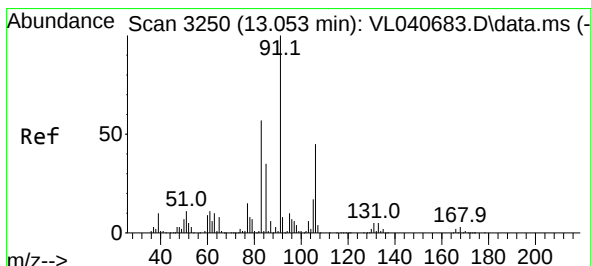
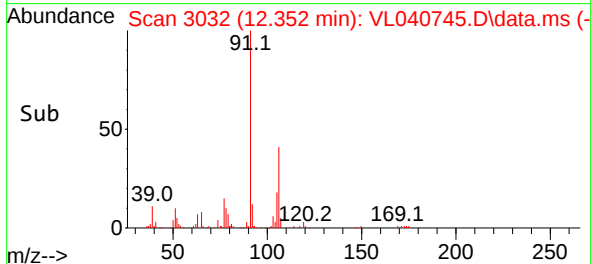
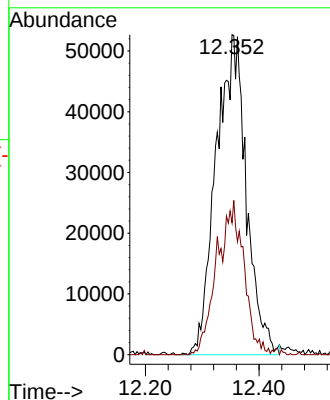
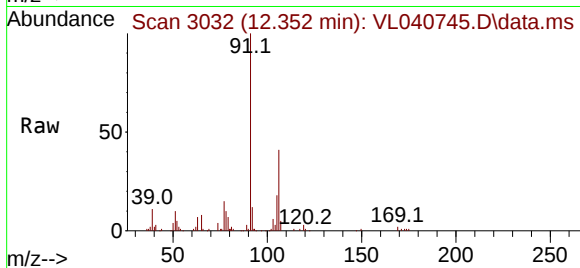
106 42.3 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#60

o-Xylene

Concen: 0.461 ppbv m

RT: 13.044 min Scan# 3247

Delta R.T. -0.026 min

Lab File: VL040745.D

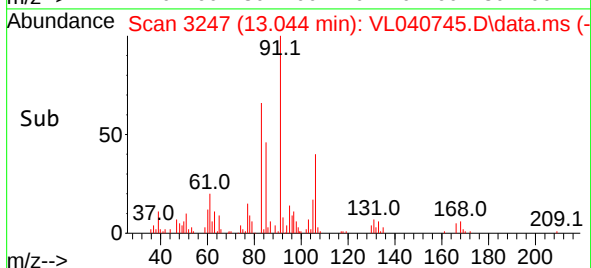
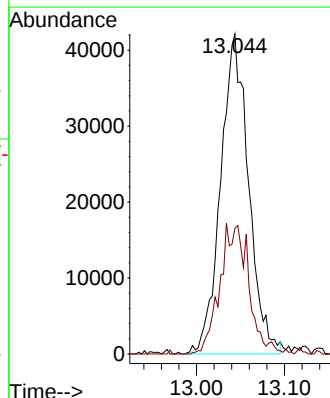
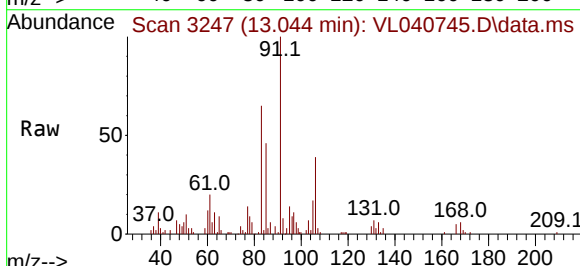
Acq: 4 Oct 2023 18:13

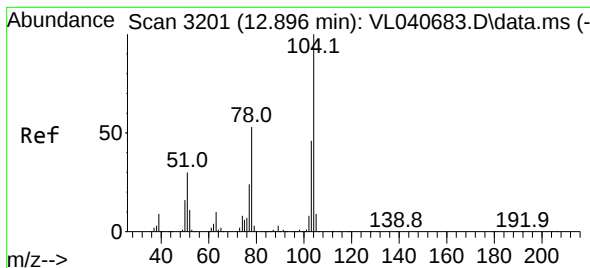
Tgt Ion: 91 Resp: 92818

Ion Ratio Lower Upper

91 100

106 42.8 22.3 66.9





#61

Styrene

Concen: 0.325 ppbv m

RT: 12.883 min Scan# 31

Delta R.T. -0.022 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

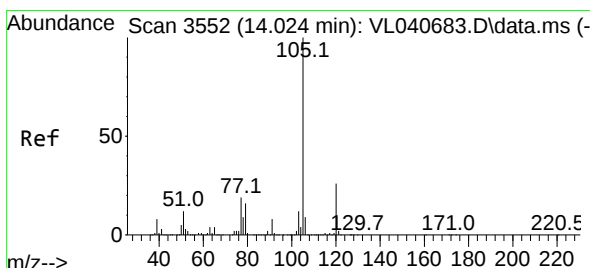
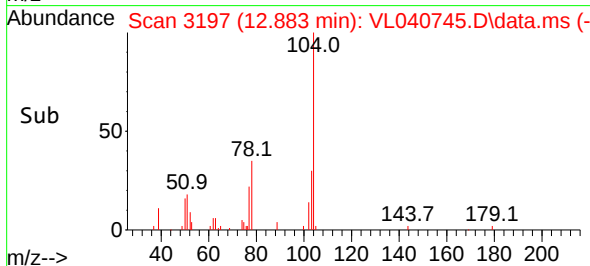
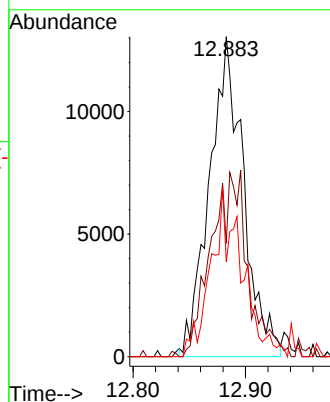
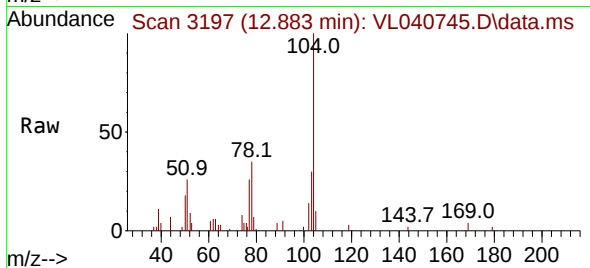
LOQ-AIR-02-QT4-2023

Tgt Ion:104	Resp:	2745
Ion Ratio	Lower	Upper
104	100	
78	0.0	43.4
103	47.9	37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#62

Isopropylbenzene

Concen: 0.515 ppbv

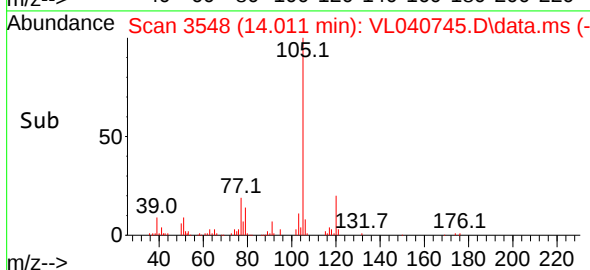
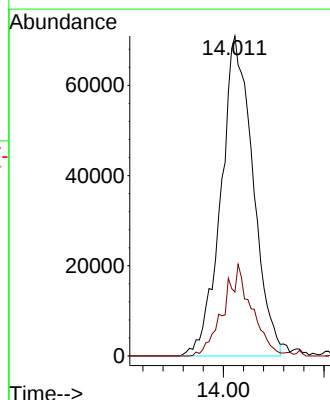
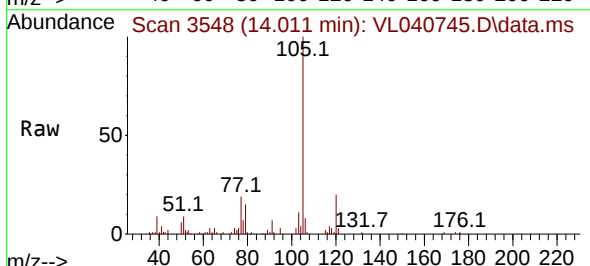
RT: 14.011 min Scan# 3548

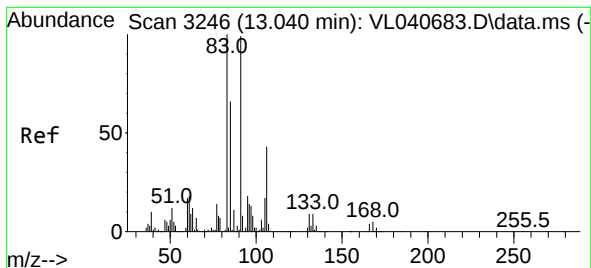
Delta R.T. -0.026 min

Lab File: VL040745.D

Acq: 4 Oct 2023 18:13

Tgt Ion:105	Resp:	156698
Ion Ratio	Lower	Upper
105	100	
120	25.8	20.2





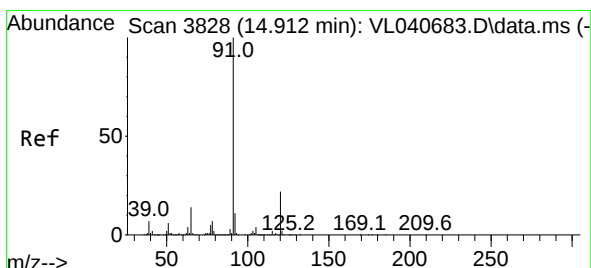
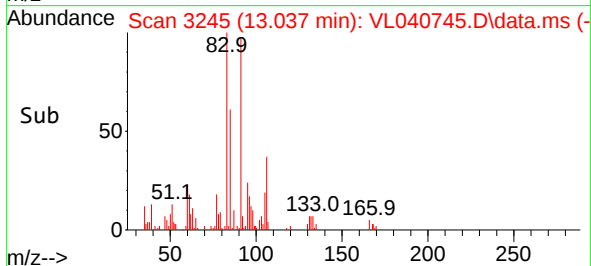
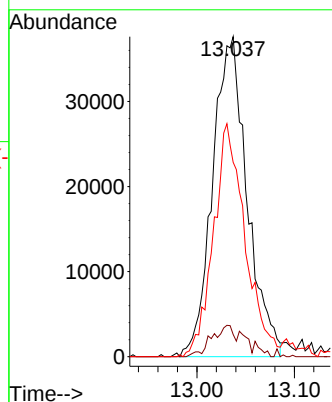
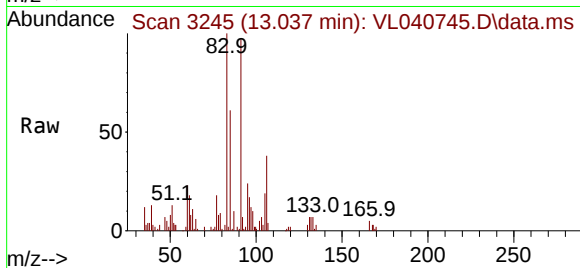
#63
1,1,2,2-Tetrachloroethane
Concen: 0.586 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023

Tgt Ion: 83 Resp: 92600
Ion Ratio Lower Upper
83 100
131 9.8 4.7 14.1
85 70.8 33.1 99.3

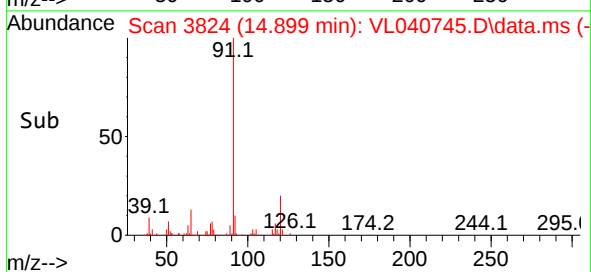
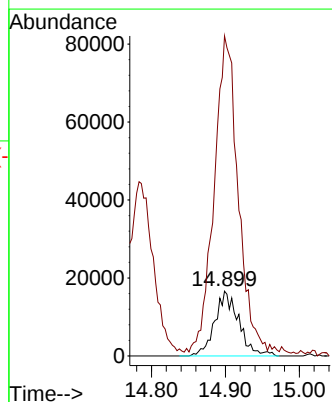
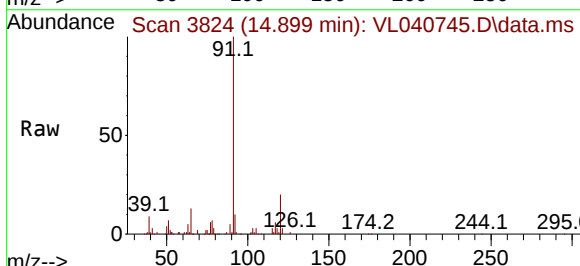
Manual Integrations
APPROVED

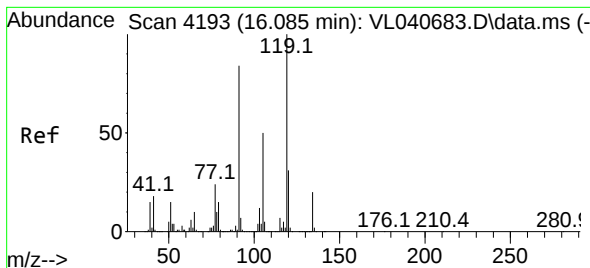
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#64
n-propylbenzene
Concen: 0.489 ppbv m
RT: 14.899 min Scan# 3824
Delta R.T. -0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

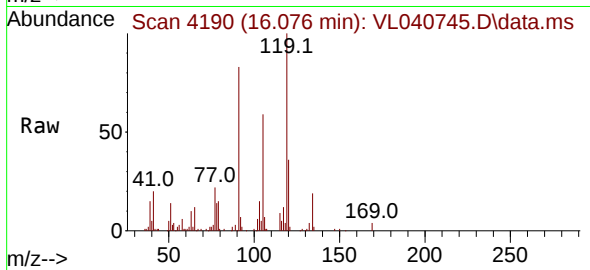
Tgt Ion:120 Resp: 37235
Ion Ratio Lower Upper
120 100
91 507.6 386.9 580.3





#65
tert-Butylbenzene
Concen: 0.498 ppbv m
RT: 16.076 min Scan# 4190
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

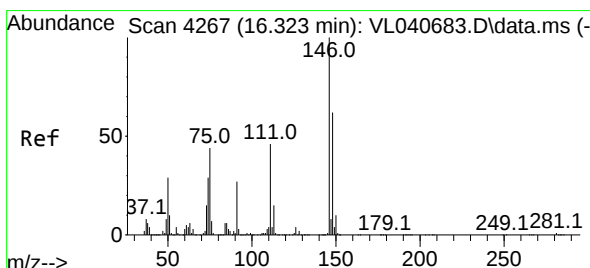
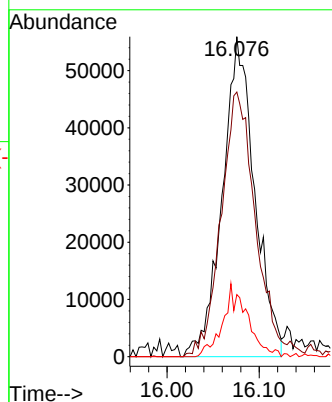
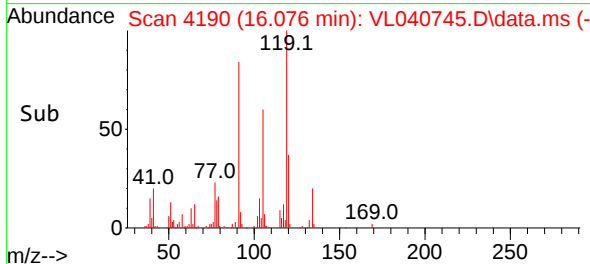
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 119 Resp: 136019
Ion Ratio Lower Upper
119 100
91 90.0 69.8 104.8
134 17.5 15.4 23.2

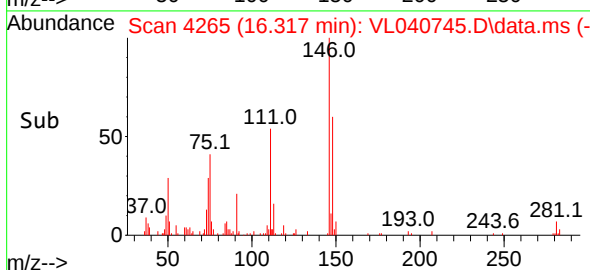
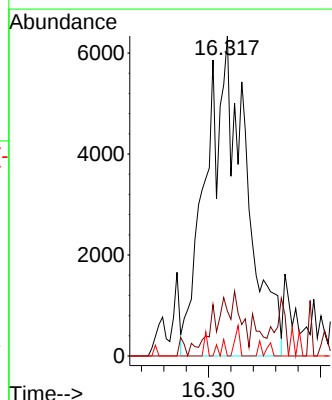
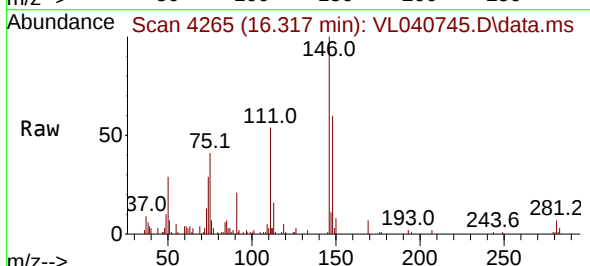
Manual Integrations
APPROVED

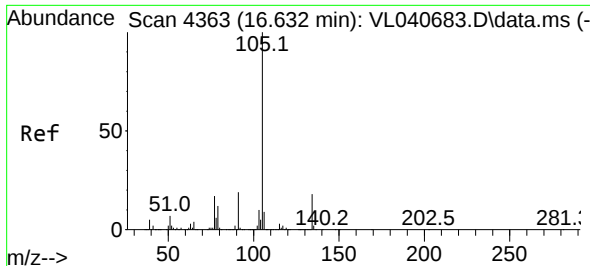
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#66
Benzyl Chloride
Concen: 0.493 ppbv m
RT: 16.317 min Scan# 4265
Delta R.T. -0.019 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

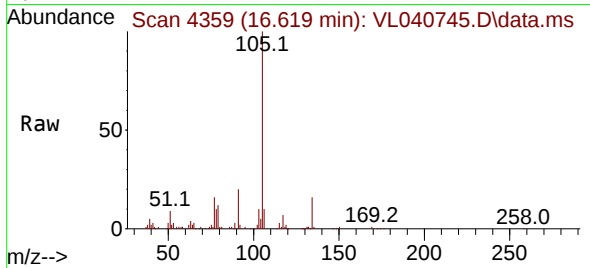
Tgt Ion: 91 Resp: 15711
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 0.0 4.4 6.6#





#67
 sec-Butylbenzene
 Concen: 0.497 ppbv
 RT: 16.619 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

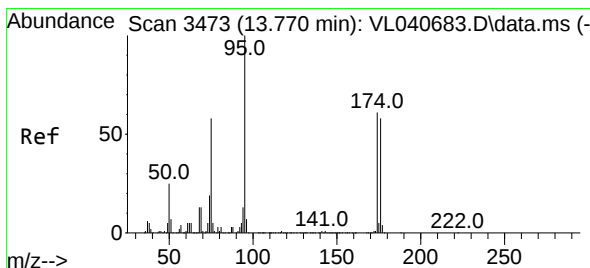
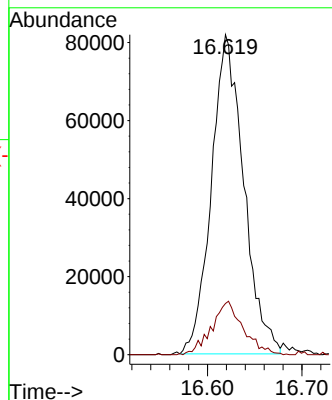
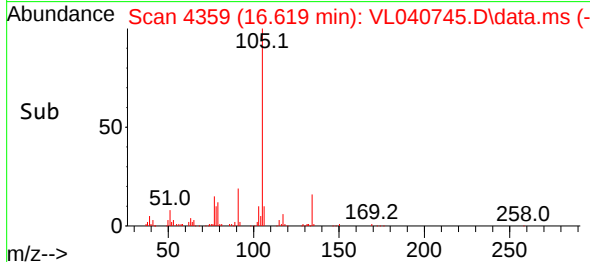
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023



Tgt Ion:105 Resp: 194154
 Ion Ratio Lower Upper
 105 100
 134 16.3 14.1 21.1

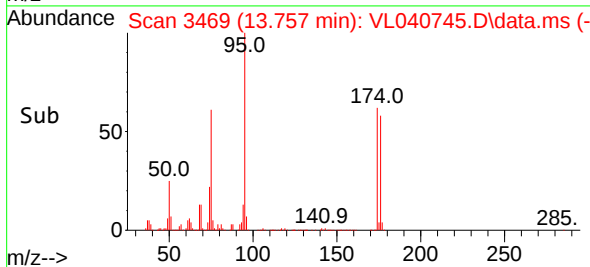
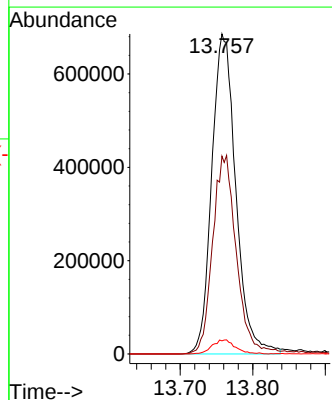
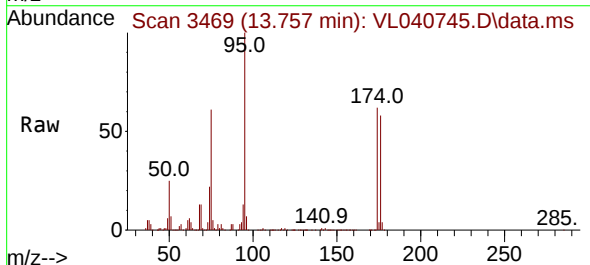
Manual Integrations
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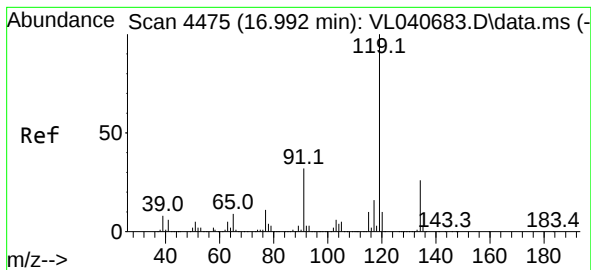
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.368 ppbv
 RT: 13.757 min Scan# 3469
 Delta R.T. -0.029 min
 Lab File: VL040745.D
 Acq: 4 Oct 2023 18:13

Tgt Ion: 95 Resp: 1581061
 Ion Ratio Lower Upper
 95 100
 174 61.7 48.9 73.3
 175 4.4 3.5 5.3





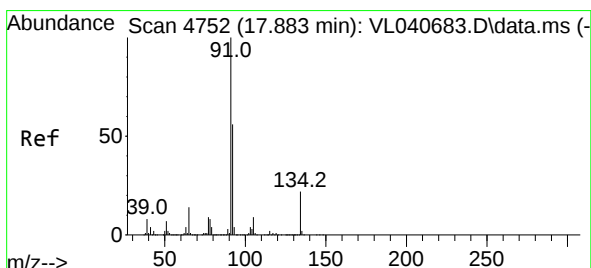
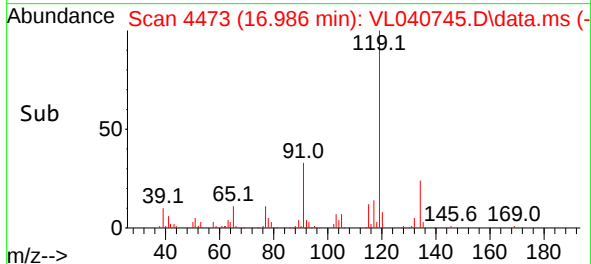
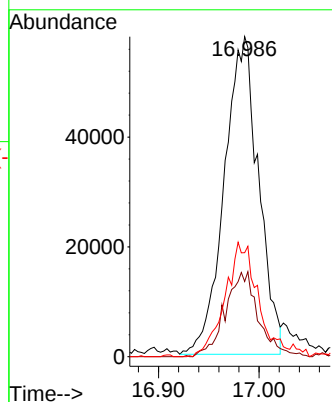
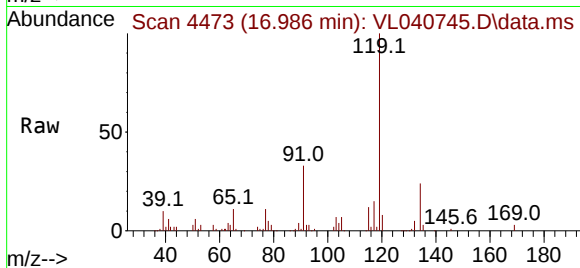
#69
p-Isopropyltoluene
Concen: 0.447 ppbv
RT: 16.986 min Scan# 4475
Delta R.T. -0.016 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023

Tgt Ion:119 Resp: 137289
Ion Ratio Lower Upper
119 100
134 25.9 20.2 30.2
91 35.5 25.0 37.6

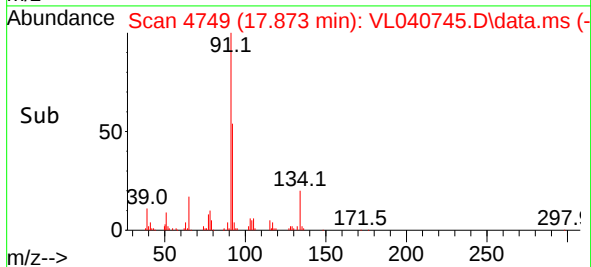
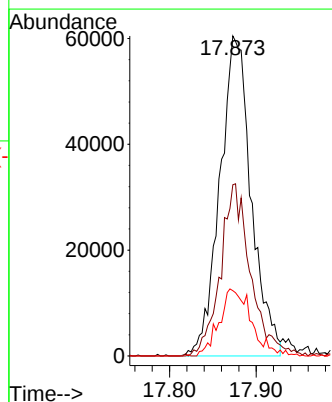
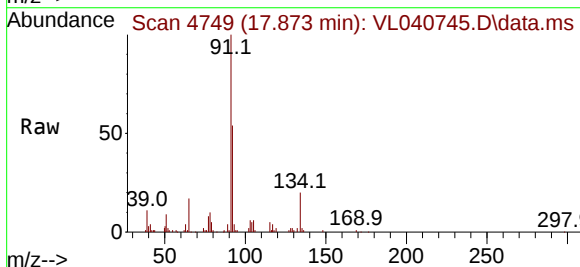
Manual Integrations
APPROVED

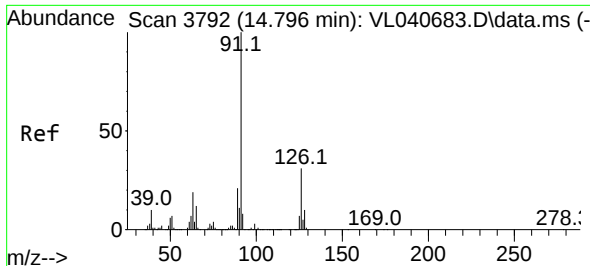
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#70
n-Butylbenzene
Concen: 0.451 ppbv
RT: 17.873 min Scan# 4749
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Tgt Ion: 91 Resp: 152429
Ion Ratio Lower Upper
91 100
92 51.9 42.7 64.1
134 21.5 17.0 25.4





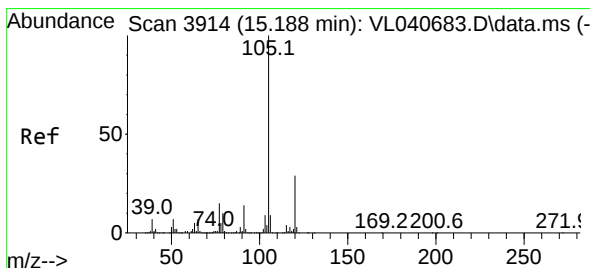
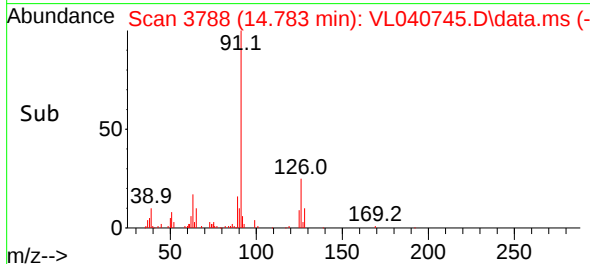
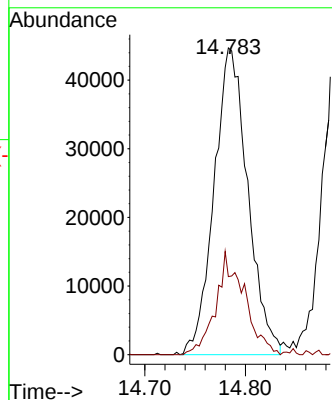
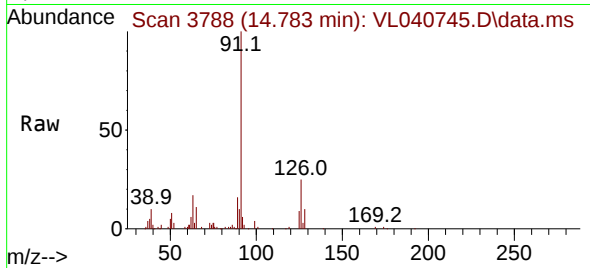
#71
2-Chlorotoluene
Concen: 0.462 ppbv
RT: 14.783 min Scan# 311
Delta R.T. -0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023

Tgt Ion: 91 Resp: 104108
Ion Ratio Lower Upper
91 100
126 29.1 12.0 47.8

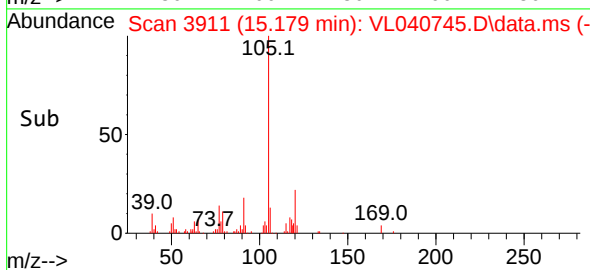
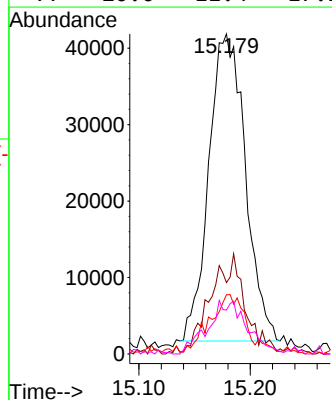
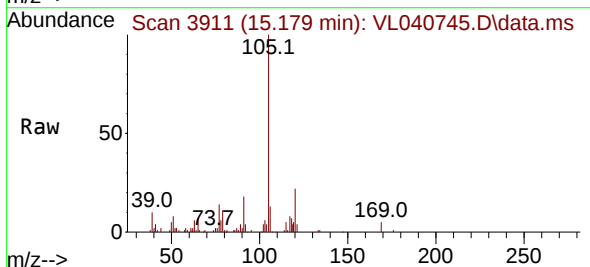
Manual Integrations
APPROVED

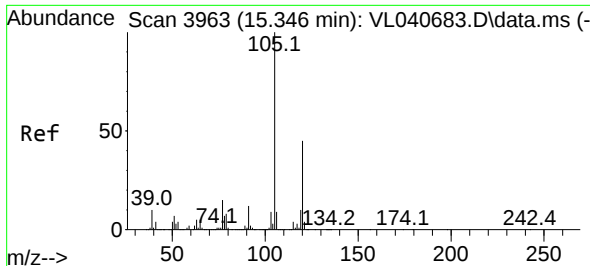
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#72
4-Ethyltoluene
Concen: 0.405 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Tgt Ion:105 Resp: 91474
Ion Ratio Lower Upper
105 100
120 32.0 23.9 35.9
91 20.9 11.0 16.4#
77 20.0 11.4 17.2#





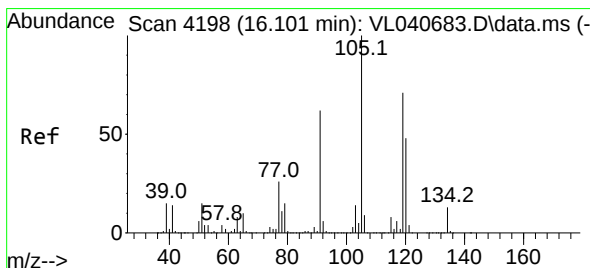
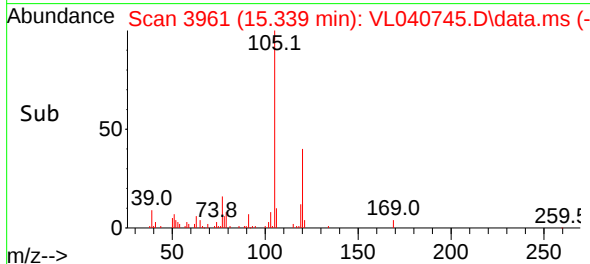
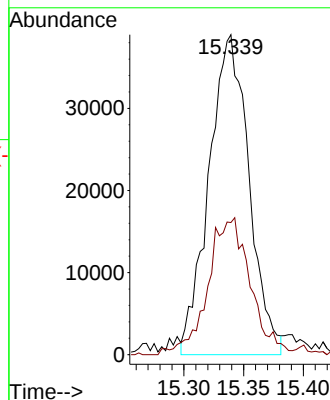
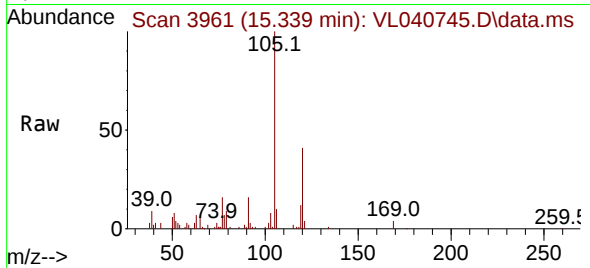
#73
1,3,5-Trimethylbenzene
Concen: 0.446 ppbv m
RT: 15.339 min Scan# 3961
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023

Tgt Ion:105 Resp: 9080
Ion Ratio Lower Upper
105 100
120 41.3 36.1 54.1

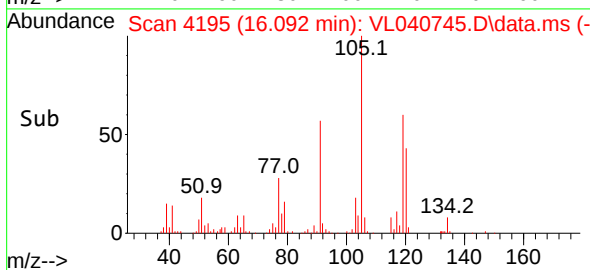
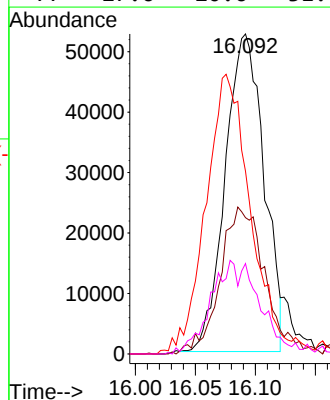
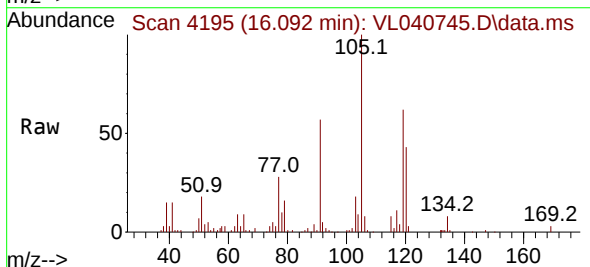
Manual Integrations
APPROVED

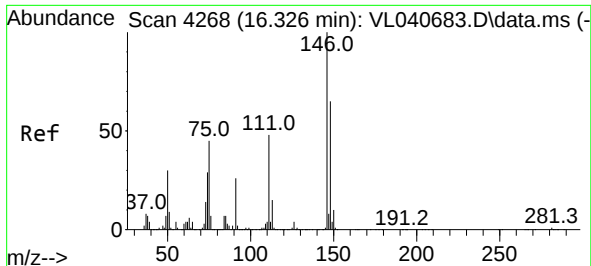
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.474 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. -0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

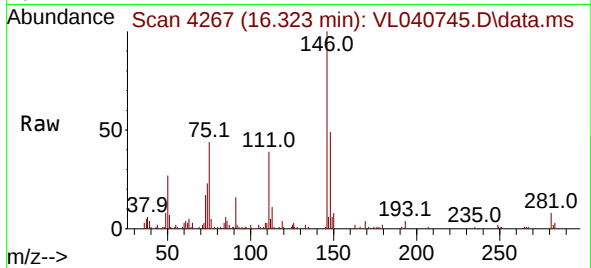
Tgt Ion:105 Resp: 117685
Ion Ratio Lower Upper
105 100
120 42.0 38.6 57.8
91 50.9 50.0 75.0
77 27.6 20.6 31.0





#75
1,3-Dichlorobenzene
Concen: 0.554 ppbv m
RT: 16.323 min Scan# 4309
Delta R.T. -0.016 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

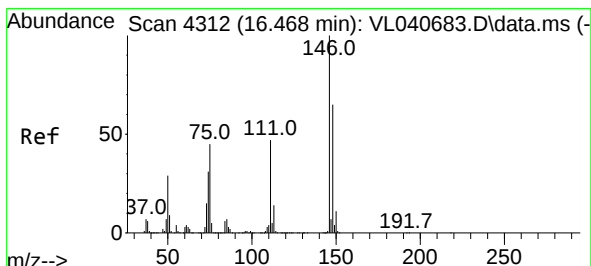
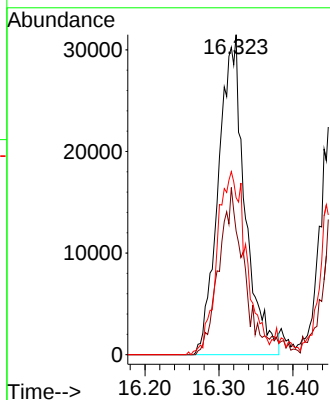
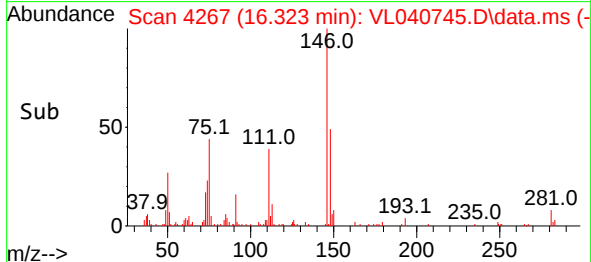
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion:146 Resp: 78350
Ion Ratio Lower Upper
146 100
111 51.7 23.9 71.7
148 66.9 31.8 95.4

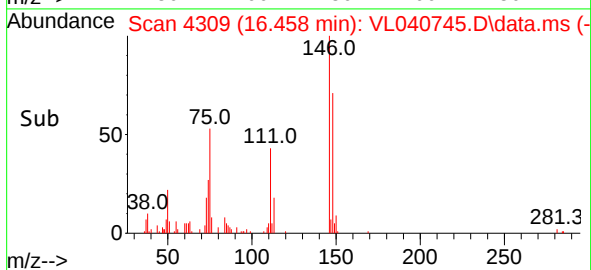
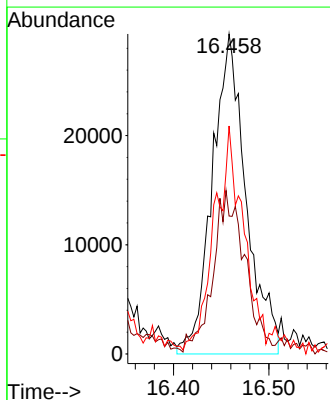
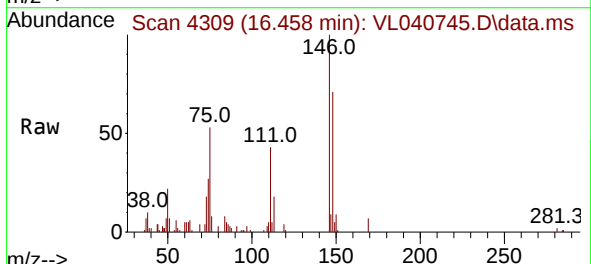
Manual Integrations
APPROVED

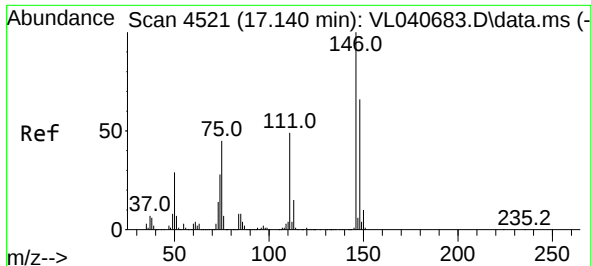
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#76
1,4-Dichlorobenzene
Concen: 0.519 ppbv m
RT: 16.458 min Scan# 4309
Delta R.T. -0.022 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Tgt Ion:146 Resp: 72108
Ion Ratio Lower Upper
146 100
111 50.8 23.8 71.2
148 65.7 32.6 97.7





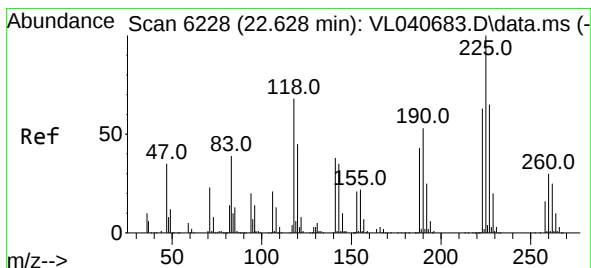
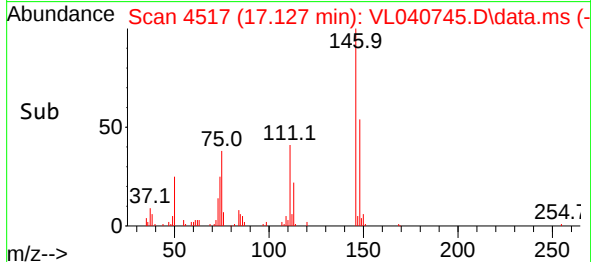
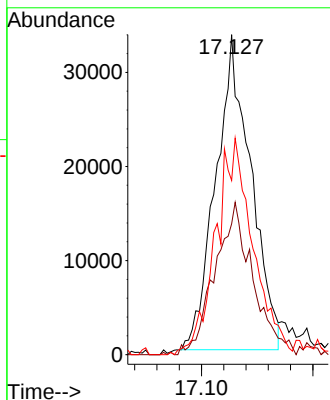
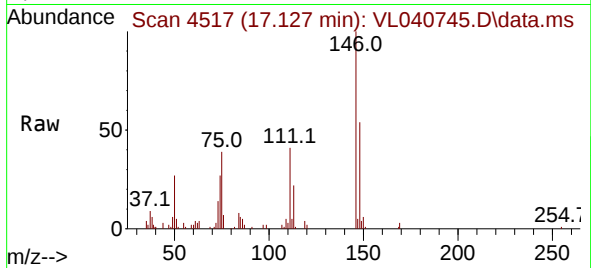
#77
1,2-Dichlorobenzene
Concen: 0.524 ppbv
RT: 17.127 min Scan# 4517
Delta R.T. -0.026 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023

Tgt Ion:146 Resp: 73710
Ion Ratio Lower Upper
146 100
111 51.9 25.0 75.0
148 75.7 32.4 97.0

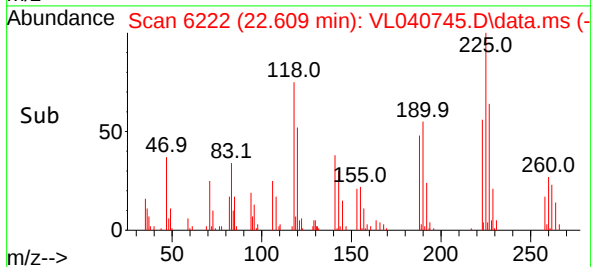
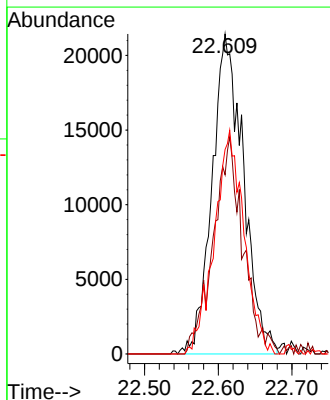
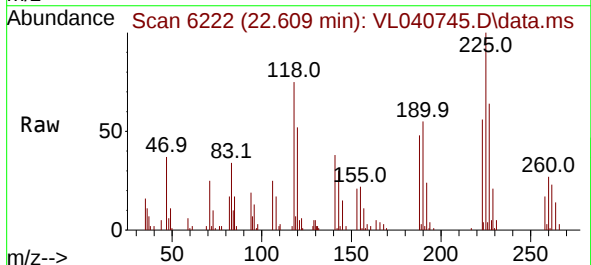
Manual Integrations
APPROVED

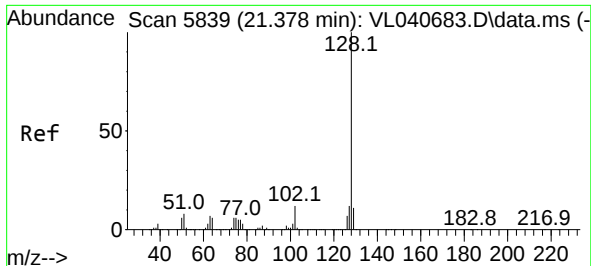
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.594 ppbv m
RT: 22.609 min Scan# 6222
Delta R.T. -0.029 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

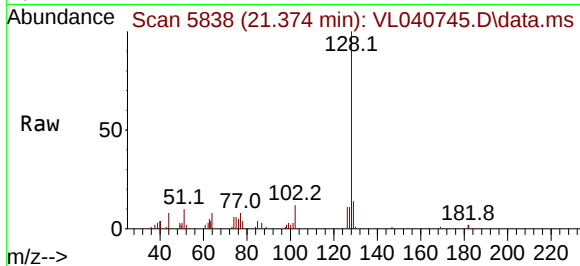
Tgt Ion:225 Resp: 63222
Ion Ratio Lower Upper
225 100
223 64.3 51.2 76.8
227 66.5 50.7 76.1





#79
Naphthalene
Concen: 0.366 ppbv m
RT: 21.374 min Scan# 5838
Delta R.T. -0.019 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13

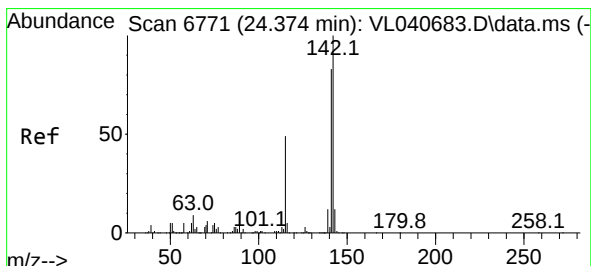
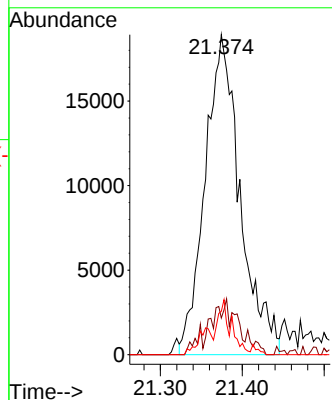
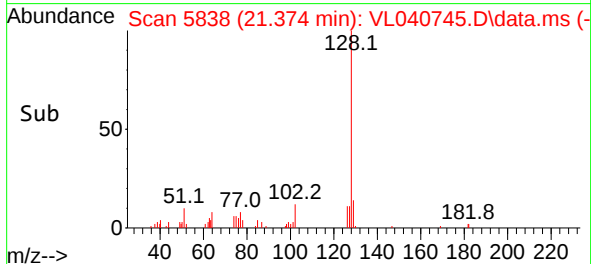
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



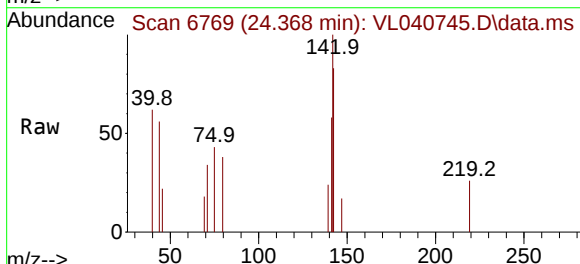
Tgt Ion:128 Resp: 5643
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.6
129 13.6 8.4 12.6

Manual Integrations
APPROVED

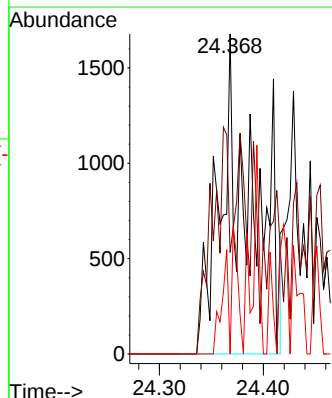
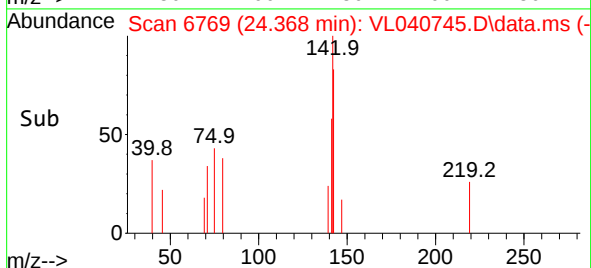
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

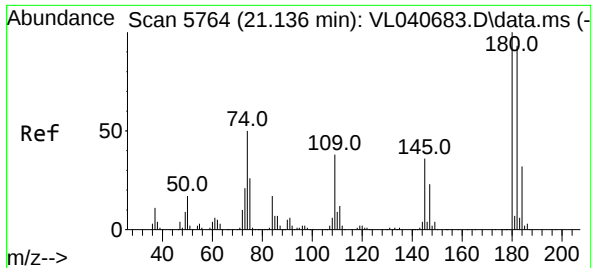


#80
Naphthalene,2-methyl-
Concen: 0.091 ppbv
RT: 24.368 min Scan# 6769
Delta R.T. -0.013 min
Lab File: VL040745.D
Acq: 4 Oct 2023 18:13



Tgt Ion:142 Resp: 3459
Ion Ratio Lower Upper
142 100
141 74.9 67.0 100.6
115 0.0 37.4 56.2





#81

1,2,4-Trichlorobenzene

Concen: 0.403 ppbv m

RT: 21.130 min Scan# 51

Delta R.T. -0.019 min

Lab File: VL040745.D

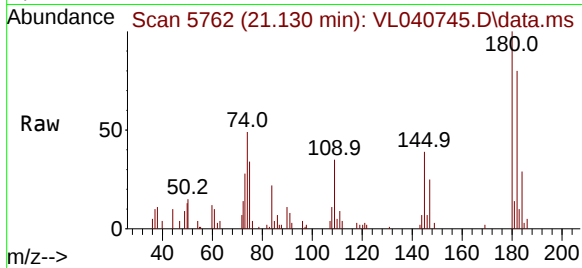
Acq: 4 Oct 2023 18:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2023



Tgt Ion:	180	Resp:	4064
Ion Ratio	Lower	Upper	
180	100		
182	0.0	77.9	116.9
184	0.0	24.4	36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

