

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040785.D
 Acq On : 23 Oct 2023 19:15
 Operator : SY/MD
 Sample : 04699-15 0.40 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 16:12:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Tue Oct 24 16:11:15 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	884005	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2508830	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	1513895m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1747255 15.685 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 156.900%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	73320	0.471	ppbv	100
3) Chlorodifluoromethane	2.684	51	58228	0.448	ppbv	99
4) Chloromethane	2.819	50	22646	0.441	ppbv	90
5) Vinyl Chloride	2.925	62	19645	0.371	ppbv	91
6) Bromomethane	3.124	94	10339	0.471	ppbv	82
7) Chloroethane	3.198	64	6865	0.398	ppbv	97
8) Dichlorotetrafluoroethane	2.861	85	52285	0.443	ppbv	97
9) Propene	2.703	41	22235	0.461	ppbv	98
10) Heptane	7.561	43	48435	0.400	ppbv	93
11) Trichlorofluoromethane	3.558	101	53948	0.449	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.063	101	35372	0.413	ppbv	93
13) Ethanol	3.256	45	7815m	0.717	ppbv	
14) Bromoethene	3.369	108	15512	0.423	ppbv #	85
15) Acetone	3.484	43	52422	0.574	ppbv	92
16) 1,3-Butadiene	2.993	39	23612m	0.492	ppbv	
17) tert-Butyl alcohol	3.893	59	37863m	0.404	ppbv	
18) 1,1-Dichloroethene	3.877	96	17494m	0.455	ppbv	
19) Isopropyl Alcohol	3.597	45	27214m	0.463	ppbv	
20) Methylene Chloride	3.928	84	20928	0.550	ppbv #	88
21) Allyl Chloride	3.999	41	25147	0.417	ppbv	94
22) trans-1,2-Dichloroethene	4.439	96	16838m	0.412	ppbv	
23) Vinyl Acetate	4.629	43	37125	0.319	ppbv #	95
24) 1,1-Dichloroethane	4.555	63	35188	0.401	ppbv #	95
25) Ethyl Acetate	5.205	43	81917	0.409	ppbv	96
26) Hexane	5.201	57	42249	0.462	ppbv	94
27) Carbon Disulfide	4.121	76	34669	0.343	ppbv #	46
28) Methyl tert-Butyl Ether	4.594	73	27337m	0.384	ppbv	
29) Chloroform	5.263	83	59368m	0.448	ppbv	
30) Cyclohexane	6.584	84	34591m	0.444	ppbv	
31) cis-1,2-Dichloroethene	5.070	61	35897	0.426	ppbv #	87
32) 1,1,1-Trichloroethane	5.989	97	53798	0.382	ppbv	92
34) 2-Butanone	4.800	43	43844	0.386	ppbv #	85
35) Carbon Tetrachloride	6.478	117	53497	0.380	ppbv	84
36) Benzene	6.362	78	83442m	0.432	ppbv	
37) 1,2-Dichloroethane	5.793	62	41077	0.416	ppbv #	95
38) Trichloroethene	7.279	130	33160m	0.388	ppbv	
39) 1,2-Dichloropropane	7.053	63	33466m	0.444	ppbv	
40) 1,4-Dioxane	7.307	88	15050m	0.528	ppbv	
41) Tetrahydrofuran	5.571	42	33108m	0.421	ppbv	
42) Bromodichloromethane	7.234	83	59439	0.401	ppbv	91
43) Methyl Methacrylate	7.475	69	26816	0.347	ppbv	88
44) 2,2,4-Trimethylpentane	7.314	57	137968	0.423	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	20076m	0.326	ppbv	

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Quant Time: Oct 24 16:12:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

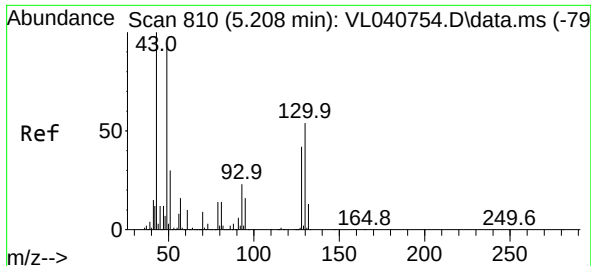
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Oct 24 16:11:15 2023

Response via : Initial Calibration

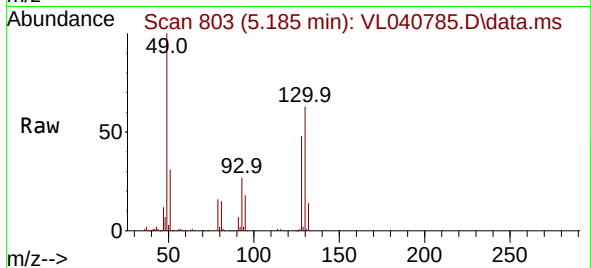
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	25597	0.340	ppbv #	94
47) 1,1,2-Trichloroethane	8.883	97	34248	0.432	ppbv	91
48) Dibromochloromethane	9.693	129	46316	0.349	ppbv	98
49) Bromoform	12.388	173	35392m	0.328	ppbv	
50) 4-Methyl-2-Pentanone	8.188	43	77148m	0.397	ppbv	
51) 2-Hexanone	9.558	43	52174m	0.353	ppbv	
52) Tetrachloroethene	10.594	164	30403m	0.388	ppbv	
53) Toluene	9.204	91	89845	0.391	ppbv	100
54) 1,2-Dibromoethane	9.989	107	46240m	0.416	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.491	131	34778	0.563	ppbv #	64
57) Chlorobenzene	11.510	112	76293m	0.703	ppbv	
58) Ethyl Benzene	12.073	91	125561m	0.659	ppbv	
59) m/p-Xylene	12.346	91	206019m	1.313	ppbv	
60) o-Xylene	13.037	91	95944	0.642	ppbv	97
61) Styrene	12.870	104	48236m	0.582	ppbv	
62) Isopropylbenzene	14.008	105	154287	0.671	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.031	83	68150	0.608	ppbv	98
64) n-propylbenzene	14.889	120	39241m	0.635	ppbv	
65) tert-Butylbenzene	16.066	119	138010m	0.665	ppbv	
66) Benzyl Chloride	16.304	91	7400m	0.354	ppbv	
67) sec-Butylbenzene	16.616	105	183288	0.645	ppbv	98
69) p-Isopropyltoluene	16.973	119	144499	0.607	ppbv	98
70) n-Butylbenzene	17.876	91	155145m	0.664	ppbv	
71) 2-Chlorotoluene	14.780	91	102019	0.591	ppbv	93
72) 4-Ethyltoluene	15.172	105	107127	0.612	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.333	105	100996m	0.655	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	113460m	0.674	ppbv	
75) 1,3-Dichlorobenzene	16.314	146	66311m	0.633	ppbv	
76) 1,4-Dichlorobenzene	16.449	146	60379	0.582	ppbv	91
77) 1,2-Dichlorobenzene	17.124	146	66745m	0.650	ppbv	
78) Hexachloro-1,3-Butadiene	22.609	225	52536m	0.715	ppbv	
79) Naphthalene	21.368	128	55912m	0.408	ppbv	
80) Naphthalene,2-methyl-	24.406	142	1892m	0.049	ppbv	
81) 1,2,4-Trichlorobenzene	21.127	180	35943m	0.484	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.023 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

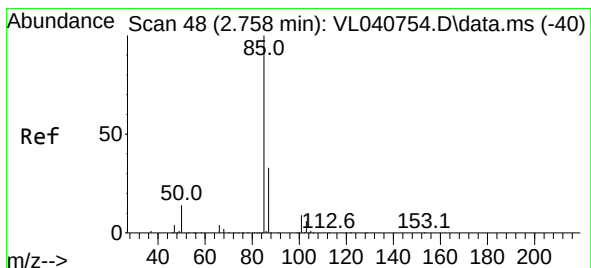
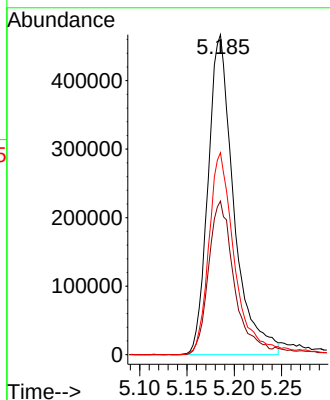
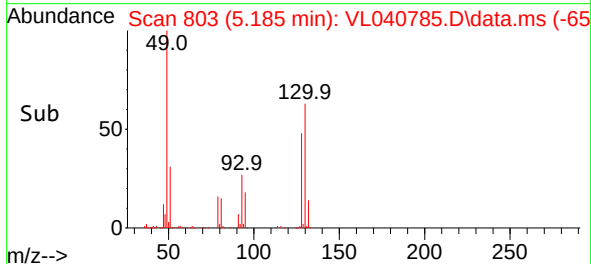
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 88400
Ion Ratio Lower Upper
49 100
128 50.4 23.9 71.7
130 65.5 30.7 92.1

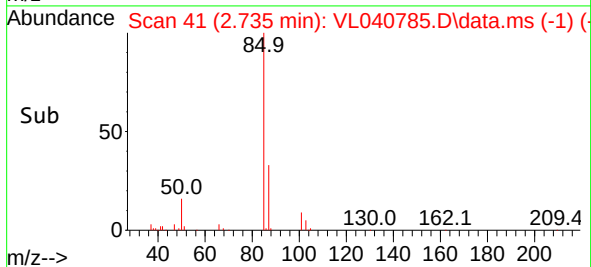
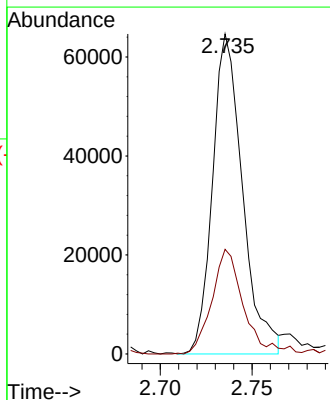
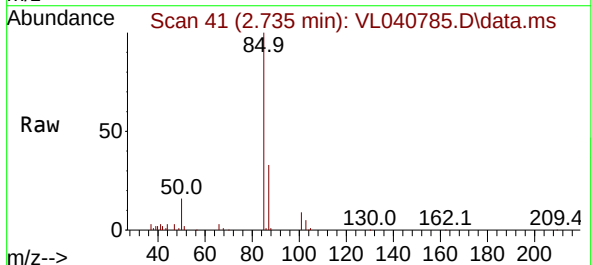
Manual Integrations
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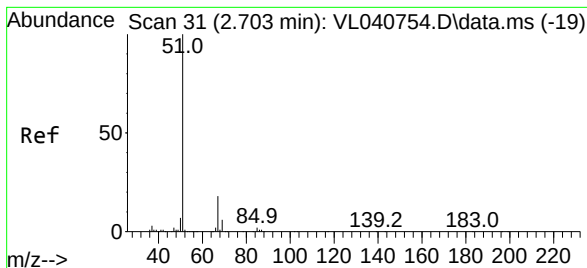
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#2
Dichlorodifluoromethane
Concen: 0.471 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Tgt Ion: 85 Resp: 73320
Ion Ratio Lower Upper
85 100
87 32.4 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.448 ppbv

RT: 2.684 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 51 Resp: 58228

Ion Ratio Lower Upper

51 100

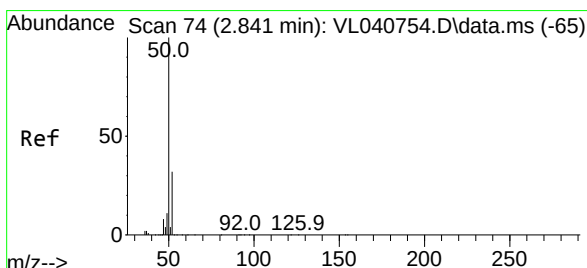
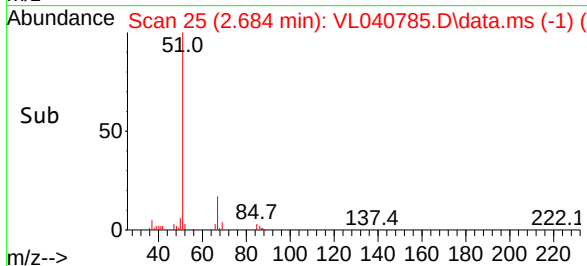
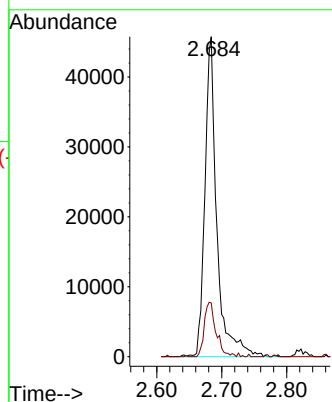
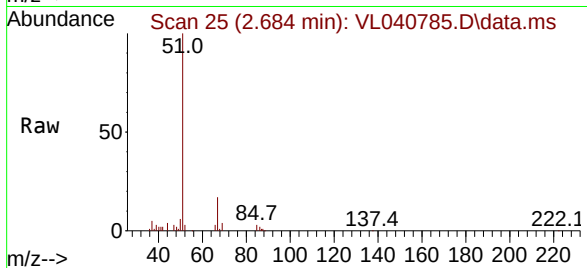
67 16.9 13.8 20.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#4

Chloromethane

Concen: 0.441 ppbv

RT: 2.819 min Scan# 67

Delta R.T. -0.022 min

Lab File: VL040785.D

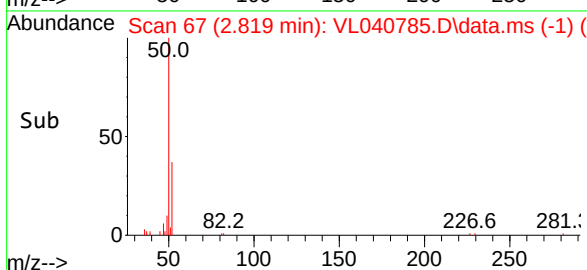
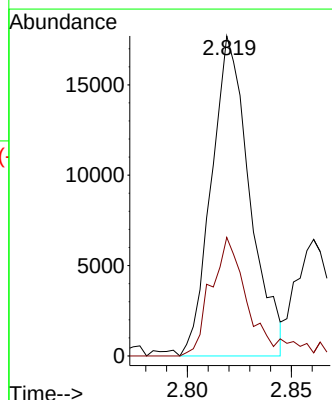
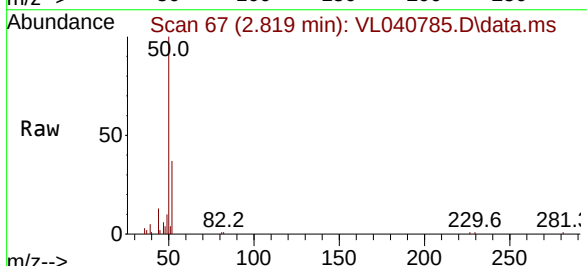
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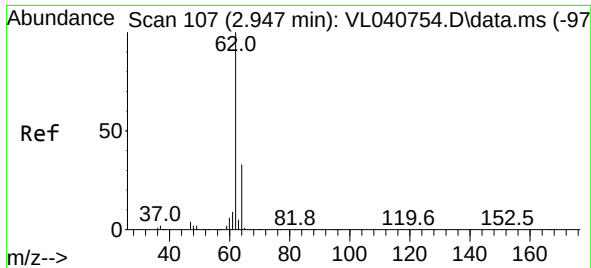
Tgt Ion: 50 Resp: 22646

Ion Ratio Lower Upper

50 100

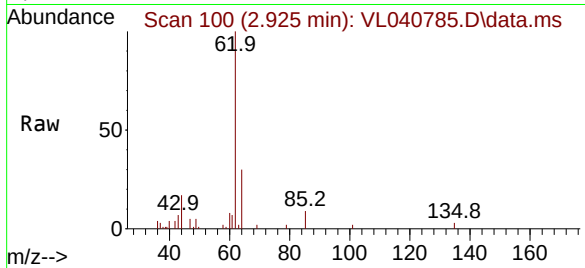
52 37.0 25.3 37.9





#5
 Vinyl Chloride
 Concen: 0.371 ppbv
 RT: 2.925 min Scan# 107
 Delta R.T. -0.022 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

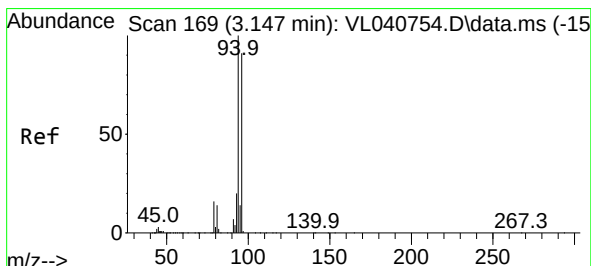
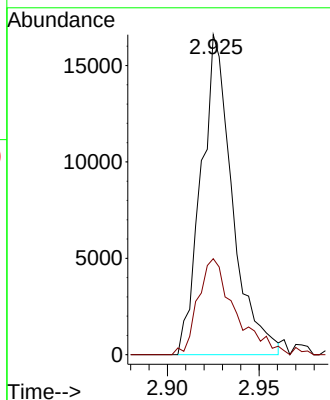
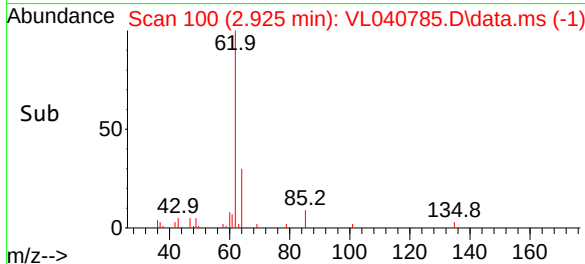
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 62 Resp: 1964
 Ion Ratio Lower Upper
 62 100
 64 27.9 26.6 39.8

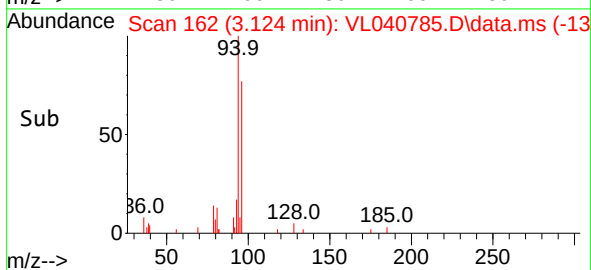
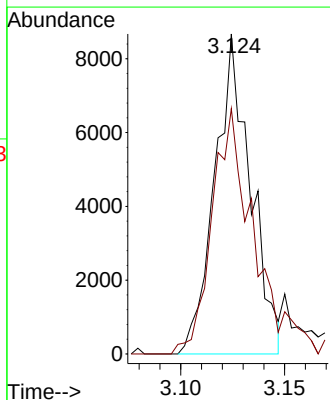
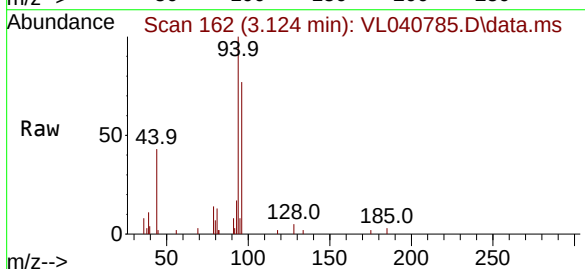
Manual Integrations
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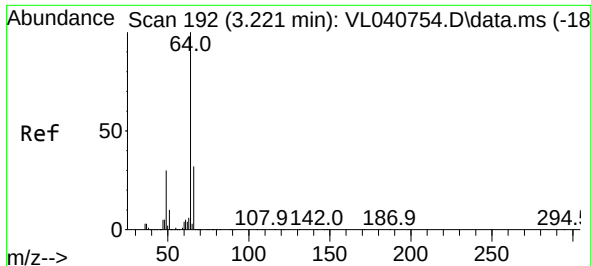
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#6
 Bromomethane
 Concen: 0.471 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. -0.022 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

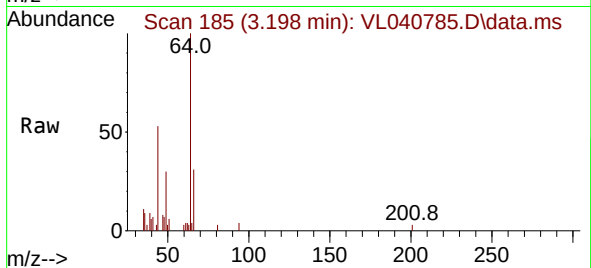
Tgt Ion: 94 Resp: 10339
 Ion Ratio Lower Upper
 94 100
 96 73.7 72.6 109.0





#7
Chloroethane
Concen: 0.398 ppbv
RT: 3.198 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

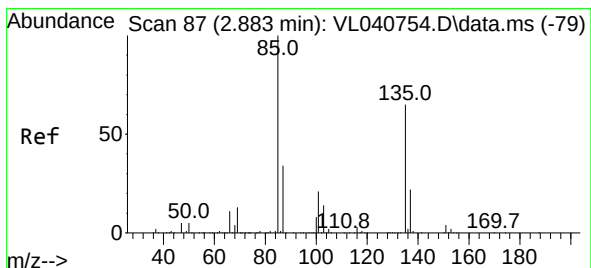
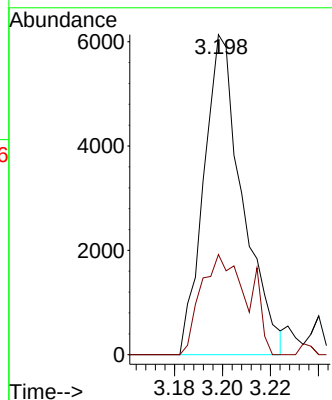
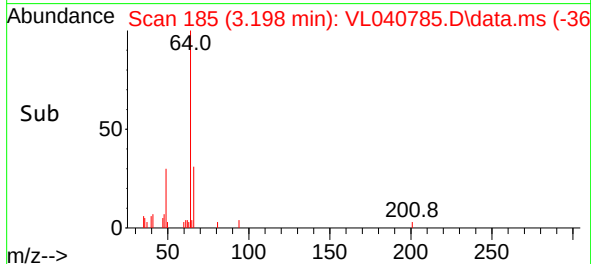
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 686
Ion Ratio Lower Upper
64 100
66 30.1 25.4 38.2

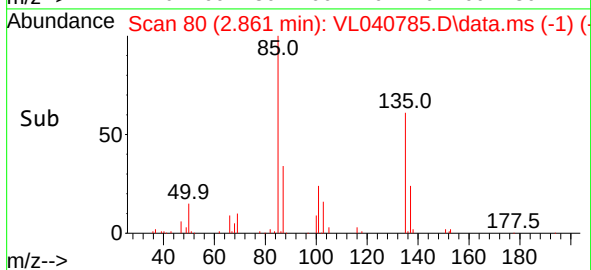
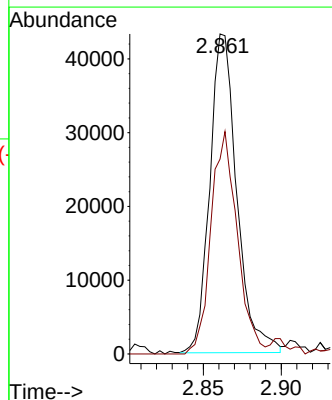
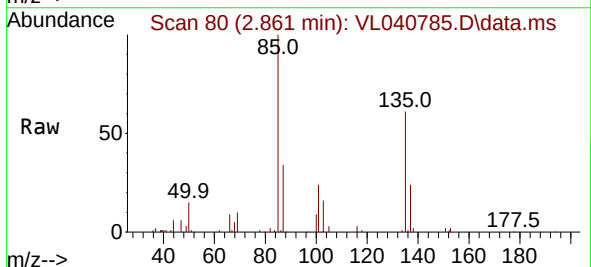
Manual Integrations
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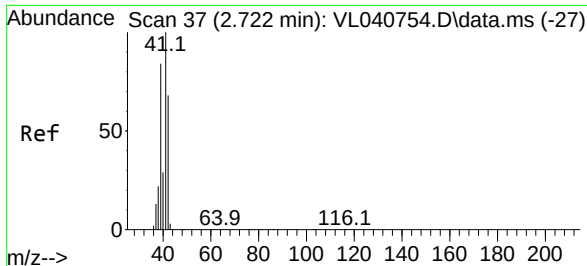
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#8
Dichlorotetrafluoroethane
Concen: 0.443 ppbv
RT: 2.861 min Scan# 80
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

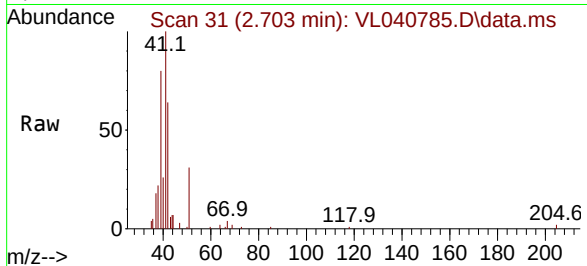
Tgt Ion: 85 Resp: 52285
Ion Ratio Lower Upper
85 100
135 72.2 55.4 83.2





#9
 Propene
 Concen: 0.461 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

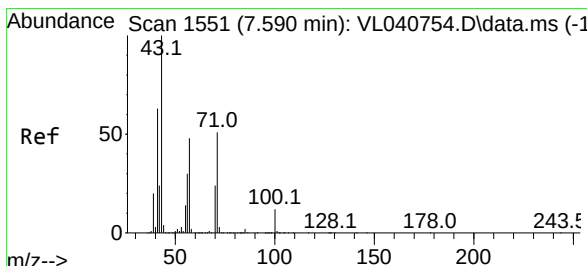
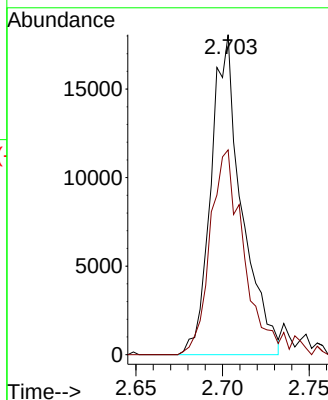
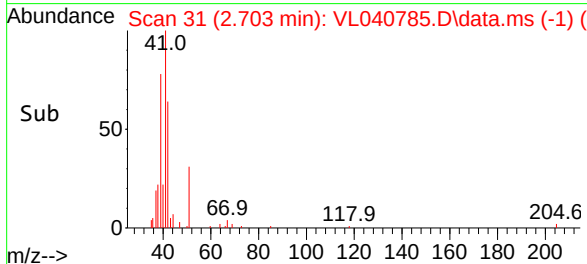
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



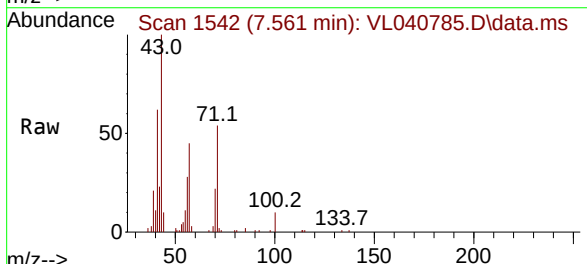
Tgt Ion: 41 Resp: 2223
 Ion Ratio Lower Upper
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 42 73.1 57.1 85.7

Manual Integrations
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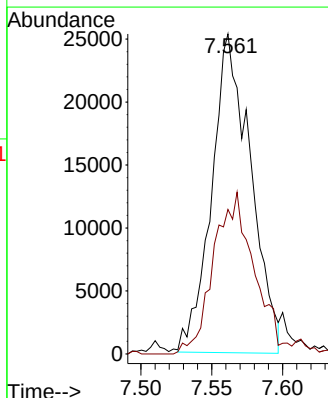
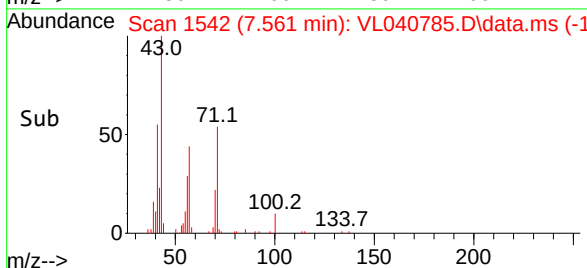
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023

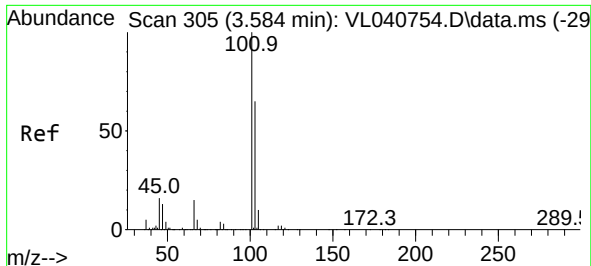


#10
 Heptane
 Concen: 0.400 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. -0.029 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15



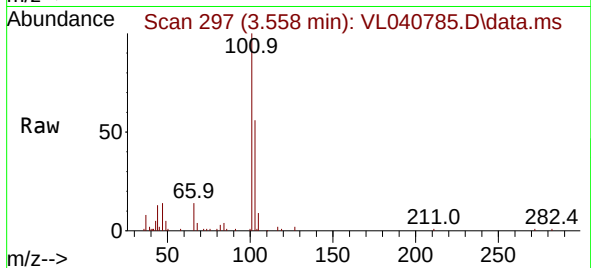
Tgt Ion: 43 Resp: 48435
 Ion Ratio Lower Upper
 43 100
 57 54.7 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.449 ppbv
RT: 3.558 min Scan# 297
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

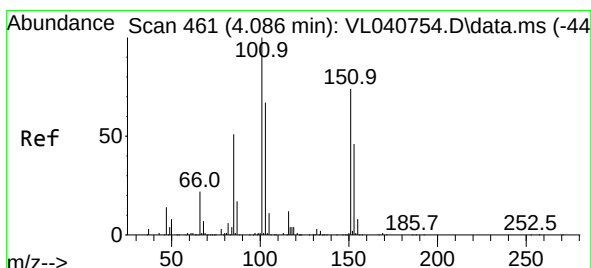
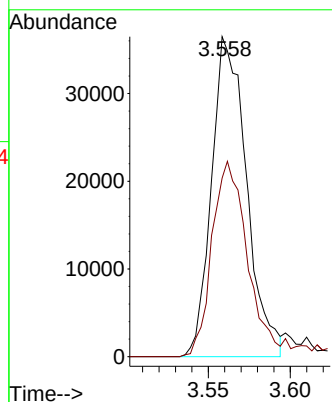
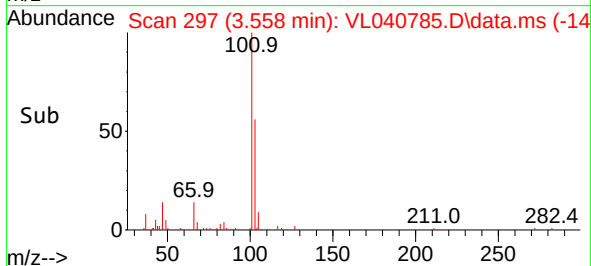
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 53948
Ion Ratio Lower Upper
101 100
103 55.8 52.2 78.2

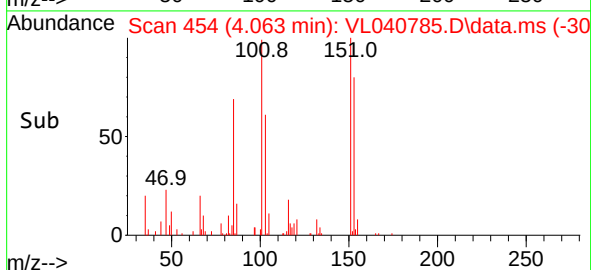
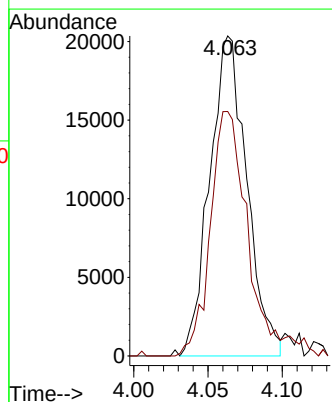
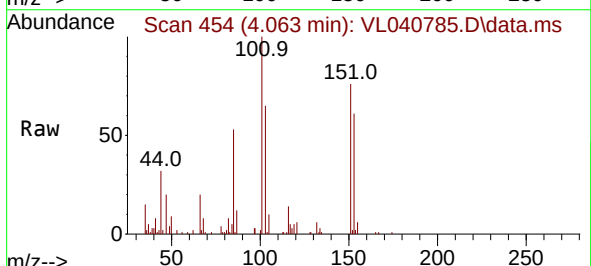
Manual Integrations
APPROVED

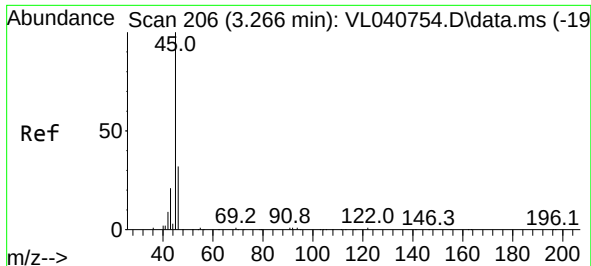
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.413 ppbv
RT: 4.063 min Scan# 454
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

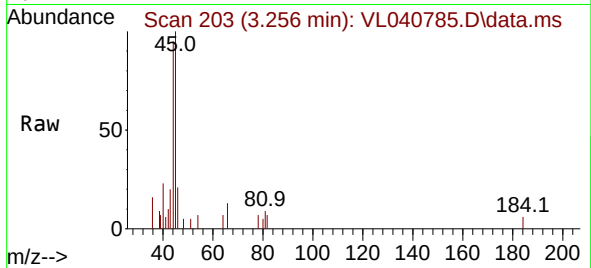
Tgt Ion:101 Resp: 35372
Ion Ratio Lower Upper
101 100
151 78.1 58.1 87.1





#13
Ethanol
Concen: 0.717 ppbv m
RT: 3.256 min Scan# 206
Delta R.T. -0.010 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

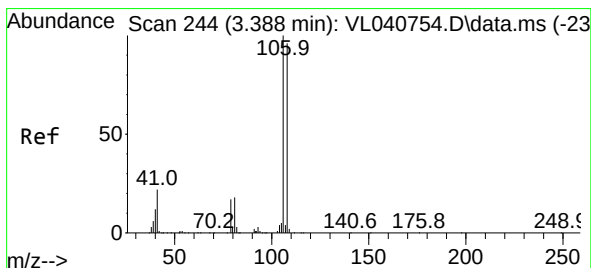
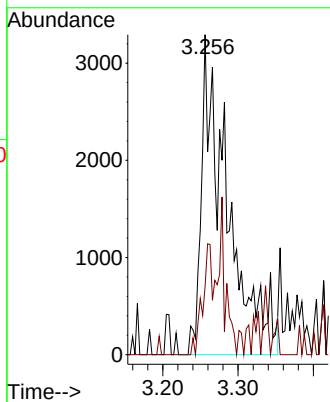
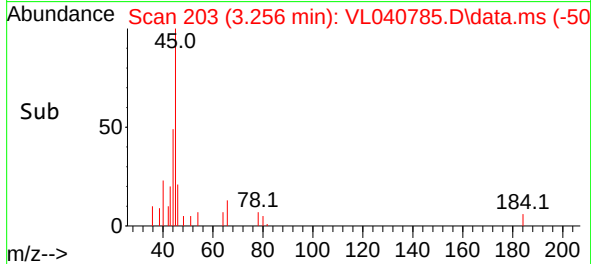
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



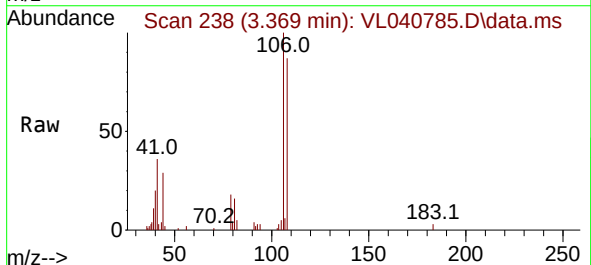
Tgt Ion: 45 Resp: 7815
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2

Manual Integrations
APPROVED

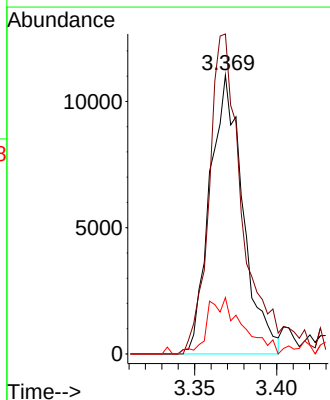
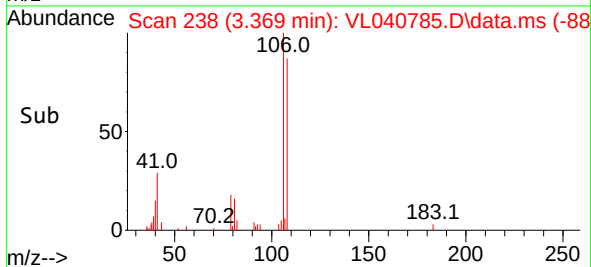
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

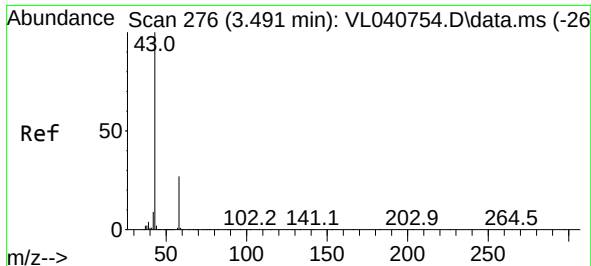


#14
Bromoethene
Concen: 0.423 ppbv
RT: 3.369 min Scan# 238
Delta R.T. -0.019 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



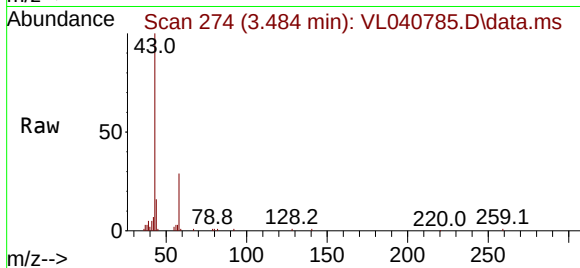
Tgt Ion:108 Resp: 15512
Ion Ratio Lower Upper
108 100
106 122.0 85.2 127.8
79 26.5 15.7 23.5





#15
Acetone
Concen: 0.574 ppbv
RT: 3.484 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

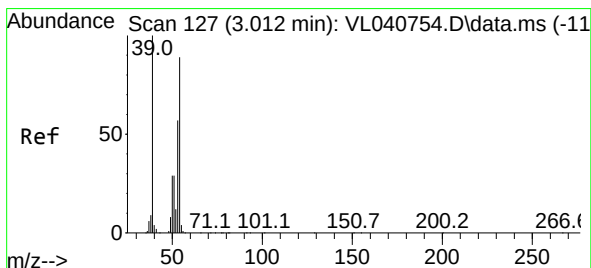
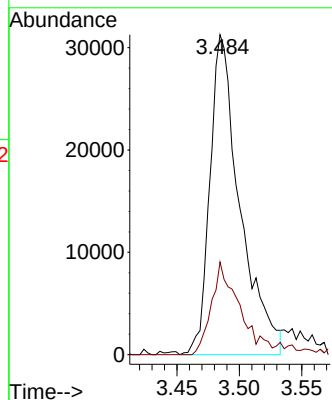
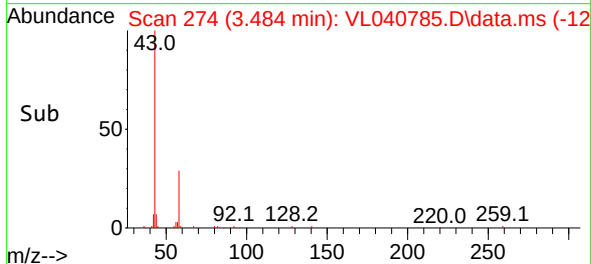
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



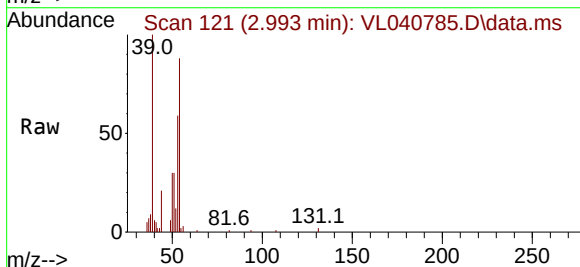
Tgt Ion: 43 Resp: 5242
Ion Ratio Lower Upper
43 100
58 31.1 21.6 32.4

Manual Integrations
APPROVED

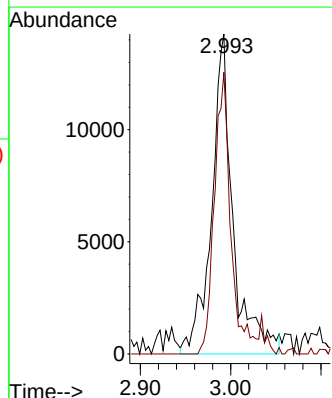
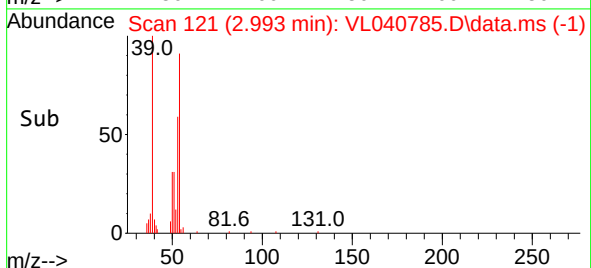
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

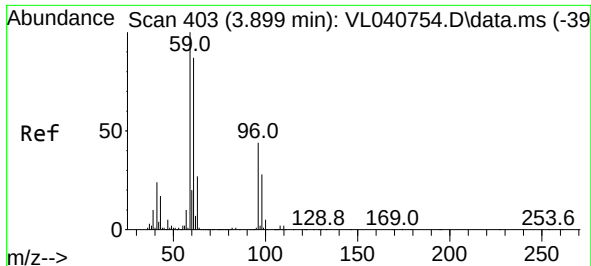


#16
1,3-Butadiene
Concen: 0.492 ppbv m
RT: 2.993 min Scan# 121
Delta R.T. -0.019 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



Tgt Ion: 39 Resp: 23612
Ion Ratio Lower Upper
39 100
54 70.1 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.404 ppbv m

RT: 3.893 min Scan# 403

Delta R.T. -0.006 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 59 Resp: 3786

Ion Ratio Lower Upper

59 100

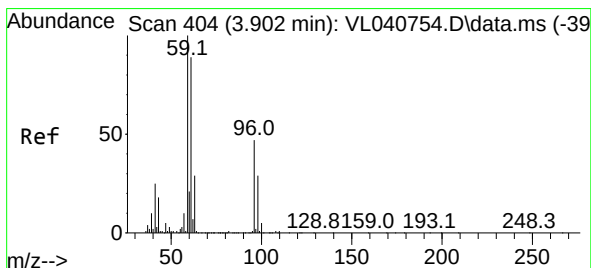
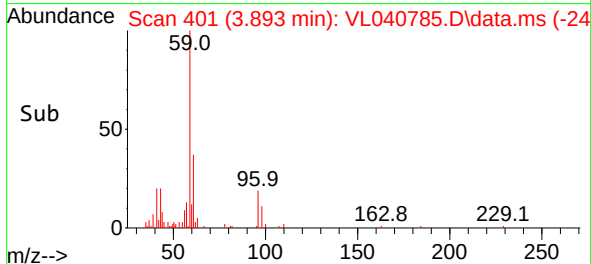
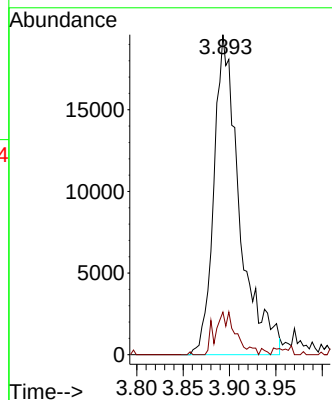
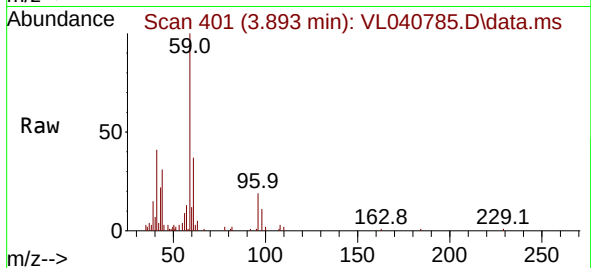
57 11.1 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#18

1,1-Dichloroethene

Concen: 0.455 ppbv m

RT: 3.877 min Scan# 396

Delta R.T. -0.026 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

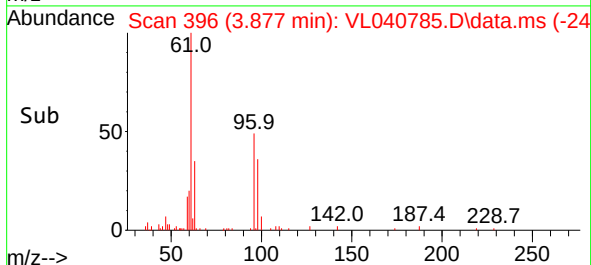
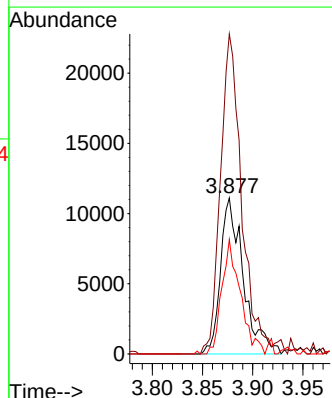
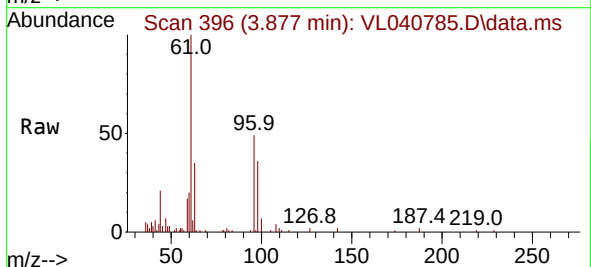
Tgt Ion: 96 Resp: 17494

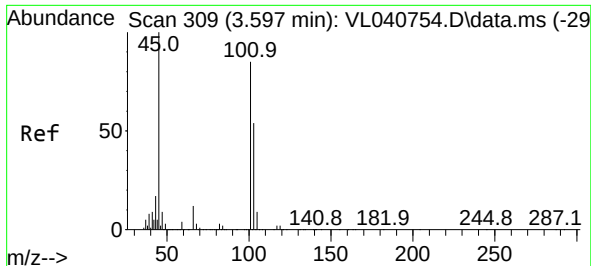
Ion Ratio Lower Upper

96 100

61 205.1 152.5 228.7

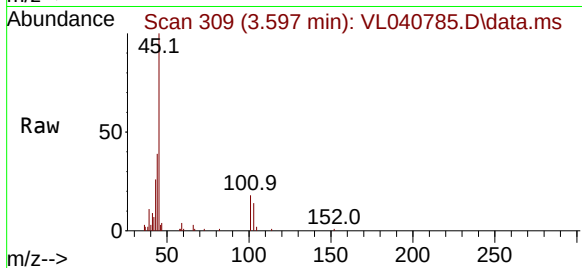
98 73.3 49.6 74.4





#19
Isopropyl Alcohol
Concen: 0.463 ppbv m
RT: 3.597 min Scan# 309
Delta R.T. 0.000 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

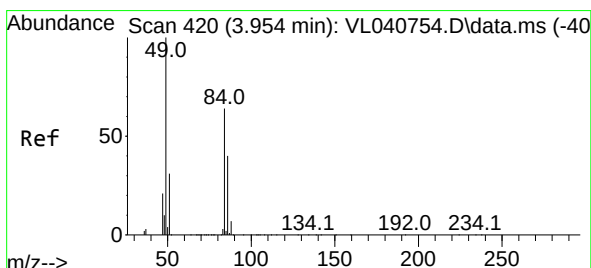
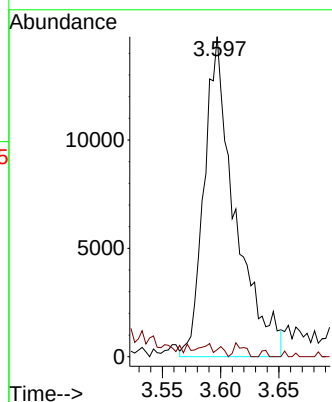
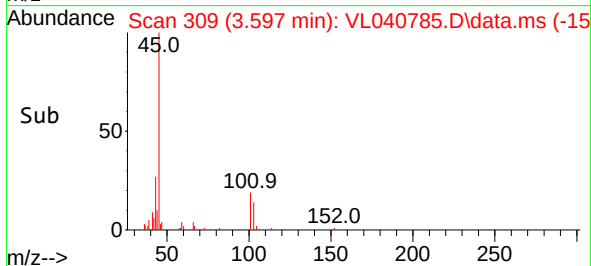
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



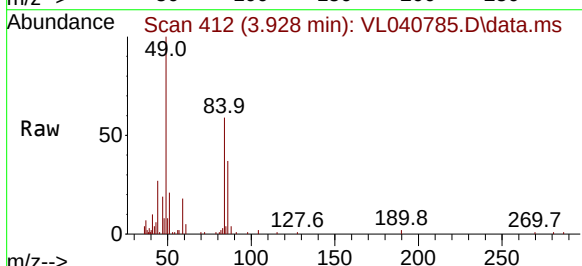
Tgt Ion: 45 Resp: 27214
Ion Ratio Lower Upper
45 100
58 0.0 30.3 45.5

Manual Integrations
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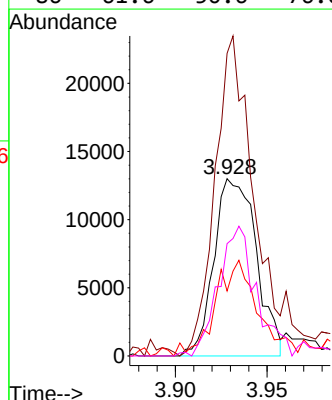
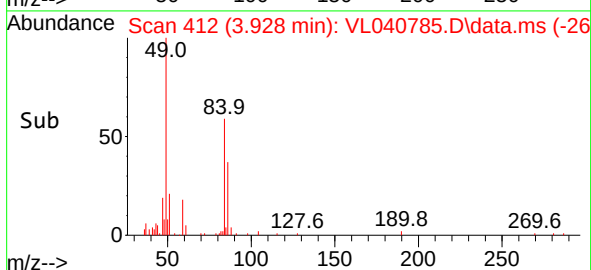
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

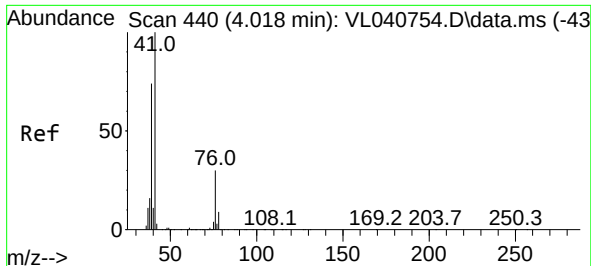


#20
Methylene Chloride
Concen: 0.550 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



Tgt Ion: 84 Resp: 20928
Ion Ratio Lower Upper
84 100
49 170.7 125.6 188.4
51 29.3 38.9 58.3#
86 61.6 50.6 76.0





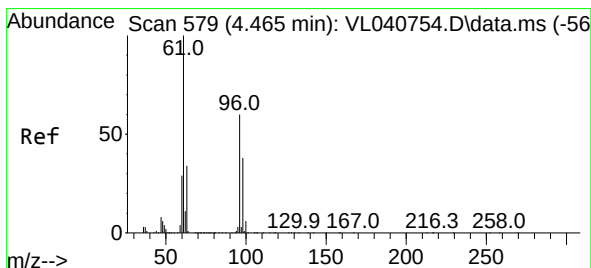
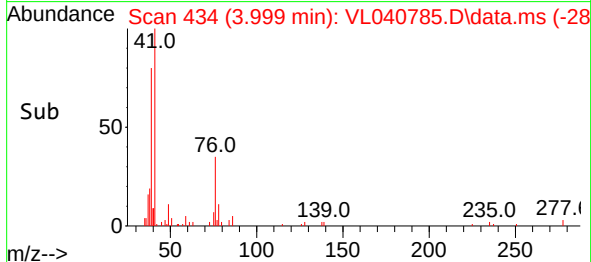
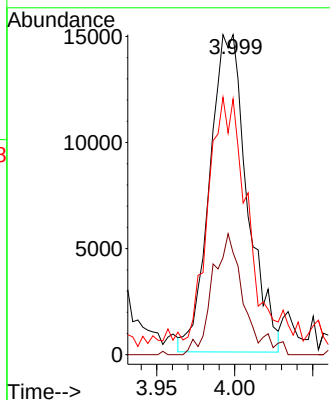
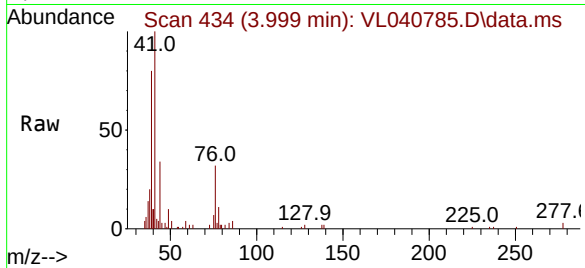
#21
 Allyl Chloride
 Concen: 0.417 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion: 41 Resp: 2514
 Ion Ratio Lower Upper
 41 100
 76 31.7 24.1 36.1
 39 86.6 63.8 95.6

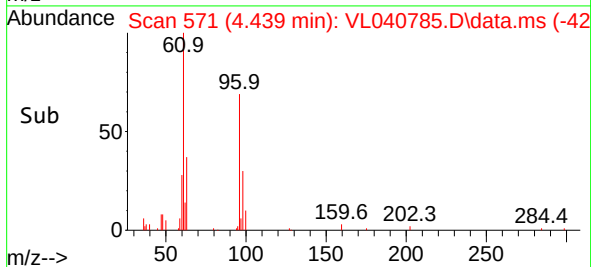
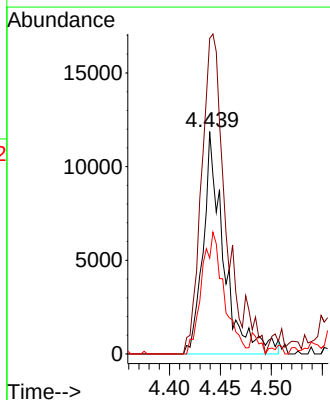
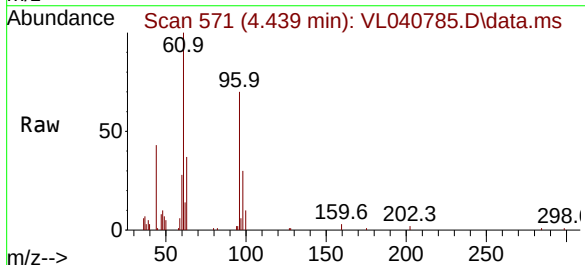
Manual Integrations
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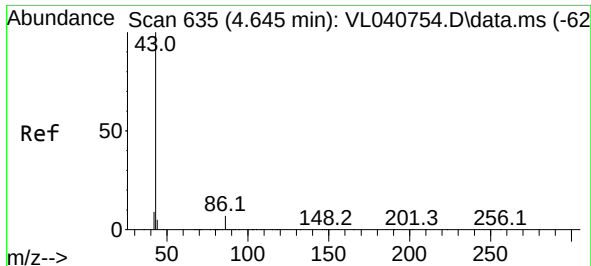
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.412 ppbv m
 RT: 4.439 min Scan# 571
 Delta R.T. -0.026 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Tgt Ion: 96 Resp: 16838
 Ion Ratio Lower Upper
 96 100
 61 141.9 134.0 201.0
 98 43.1 51.0 76.4#





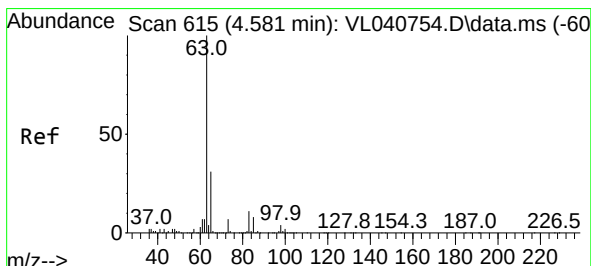
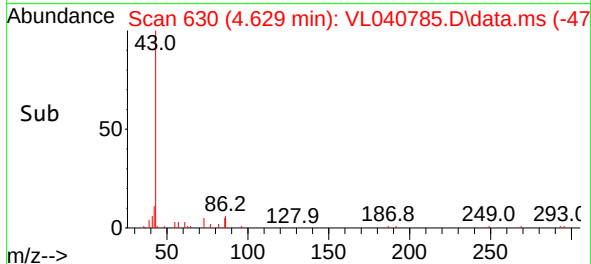
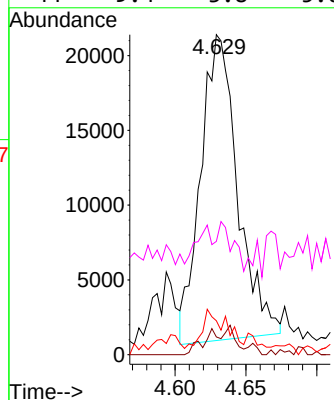
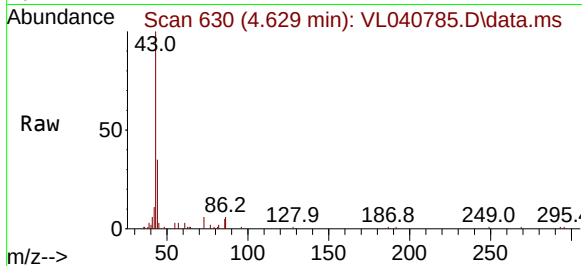
#23
 Vinyl Acetate
 Concen: 0.319 ppbv
 RT: 4.629 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion: 43 Resp: 3712
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.9 7.3
 42 8.7 7.8 11.6
 44 9.4 3.8 5.6#

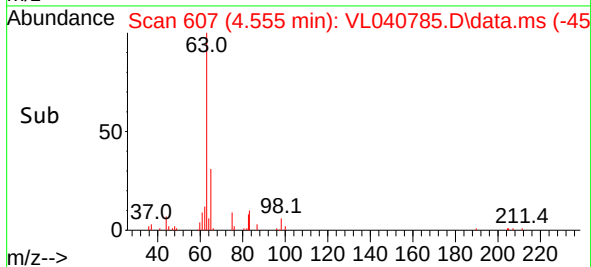
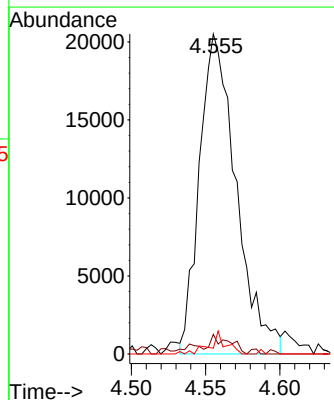
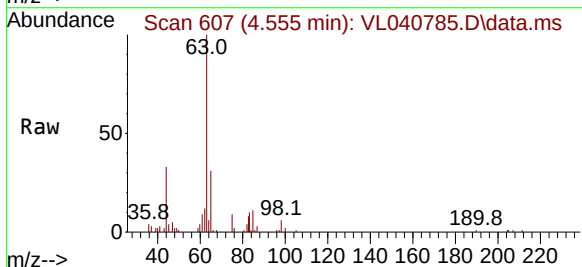
Manual Integrations
 APPROVED

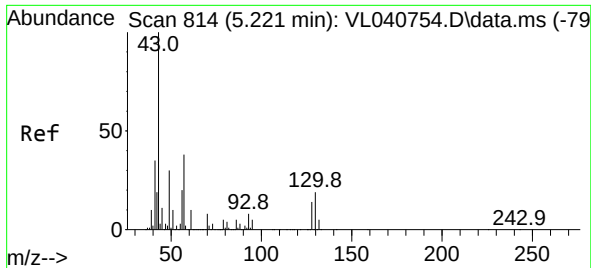
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#24
 1,1-Dichloroethane
 Concen: 0.401 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.026 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Tgt Ion: 63 Resp: 35188
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.0 5.8#
 100 1.8 1.3 3.8





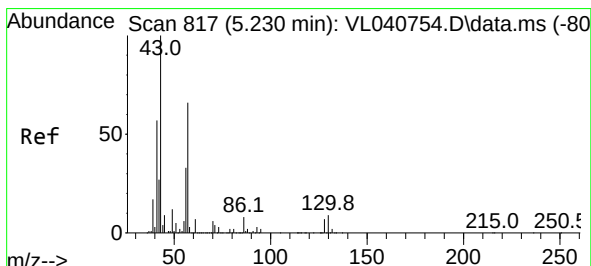
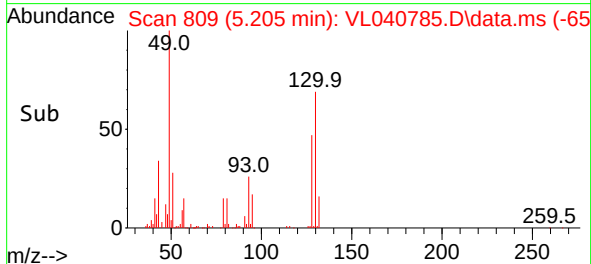
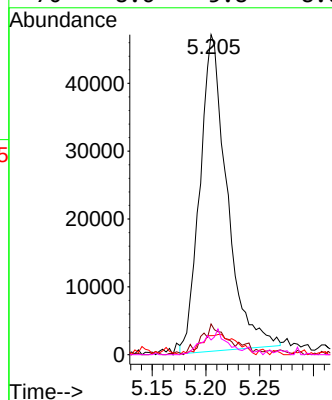
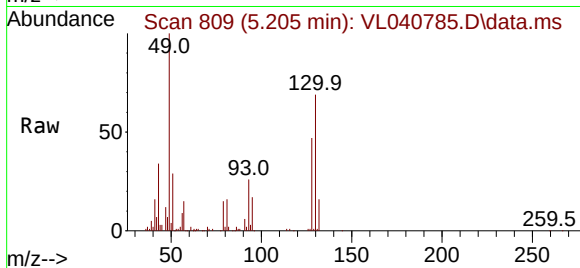
#25
Ethyl Acetate
Concen: 0.409 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.016 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 43	Resp: 8191
Ion Ratio	Lower Upper
43 100	
45 12.1	8.2 12.4
61 9.1	8.2 12.2
70 8.6	5.8 8.6

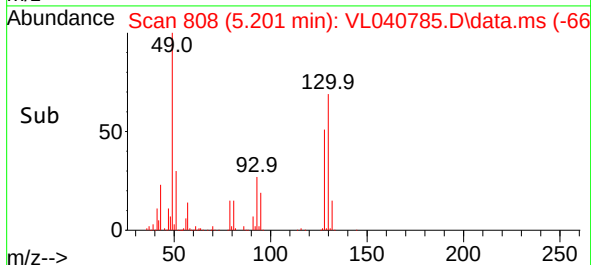
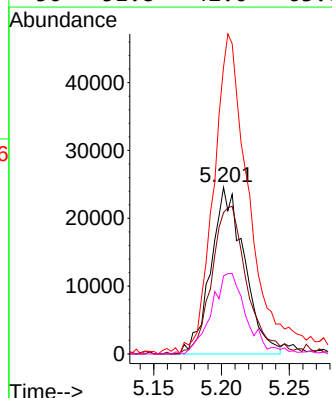
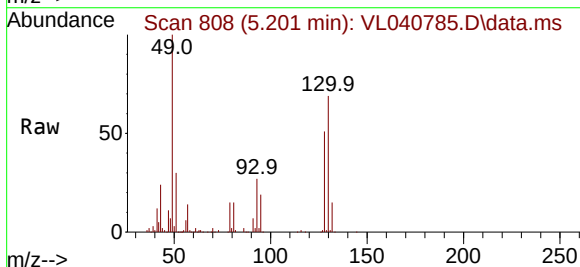
Manual Integrations
APPROVED

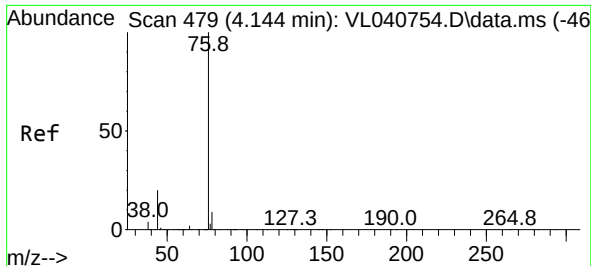
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#26
Hexane
Concen: 0.462 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

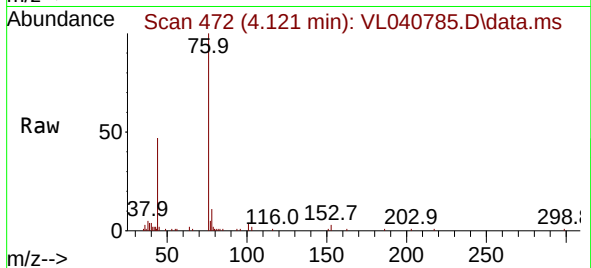
Tgt Ion: 57	Resp: 42249
Ion Ratio	Lower Upper
57 100	
41 93.9	71.4 107.2
43 216.6	182.3 273.5
56 51.8	42.0 63.0





#27
Carbon Disulfide
Concen: 0.343 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

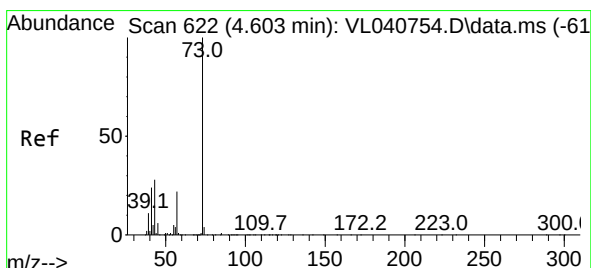
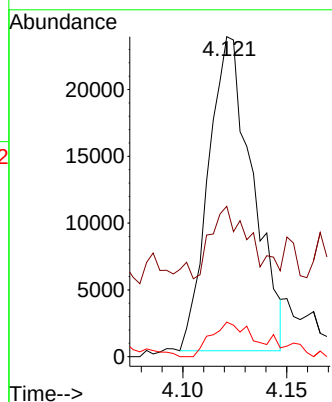
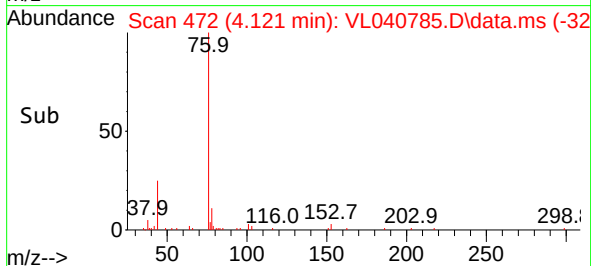
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 3466
Ion Ratio Lower Upper
76 100
44 54.8 16.6 25.0
78 14.1 7.8 11.6

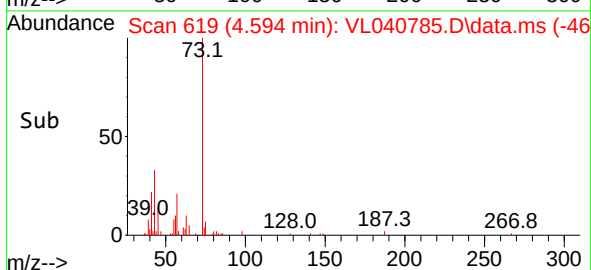
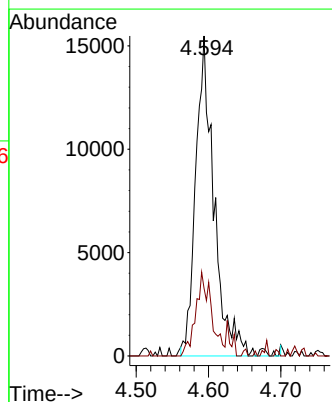
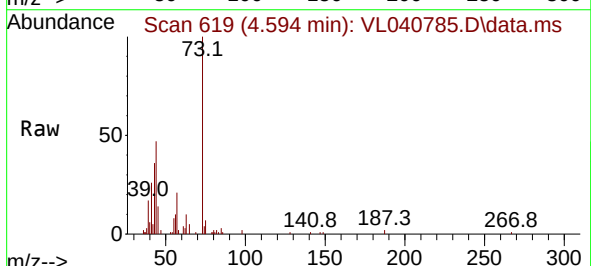
Manual Integrations
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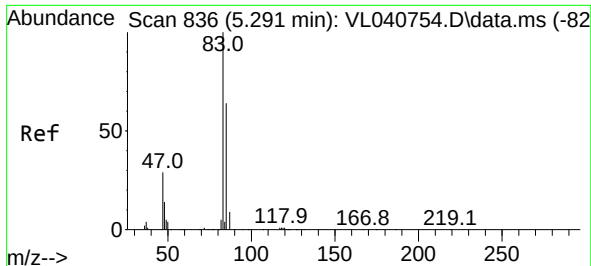
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#28
Methyl tert-Butyl Ether
Concen: 0.384 ppbv m
RT: 4.594 min Scan# 619
Delta R.T. -0.010 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Tgt Ion: 73 Resp: 27337
Ion Ratio Lower Upper
73 100
57 25.5 18.9 28.3





#29

Chloroform

Concen: 0.448 ppbv m

RT: 5.263 min Scan# 81

Delta R.T. -0.029 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 5936

Ion Ratio Lower Upper

83 100

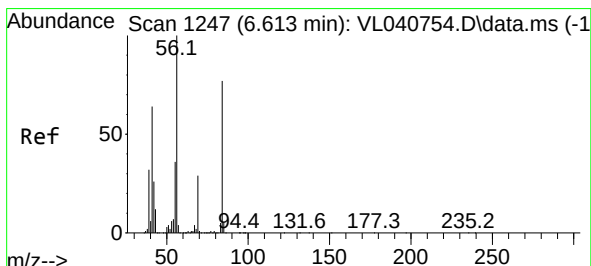
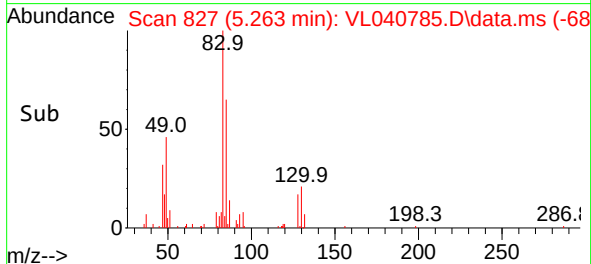
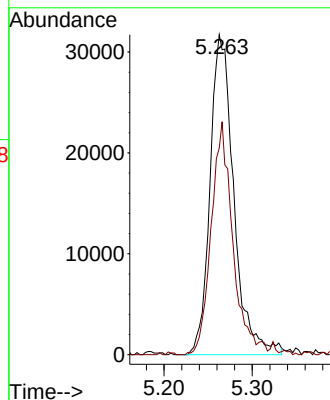
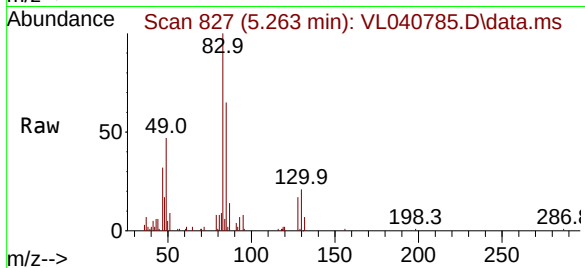
85 64.5 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#30

Cyclohexane

Concen: 0.444 ppbv m

RT: 6.584 min Scan# 1238

Delta R.T. -0.029 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

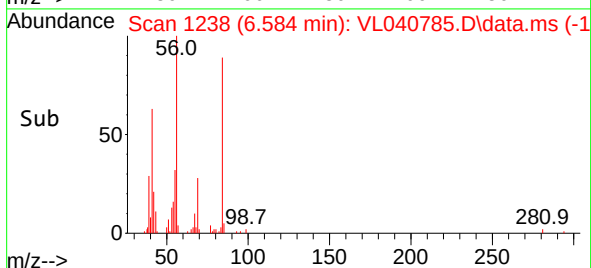
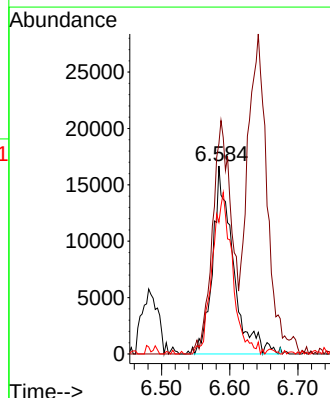
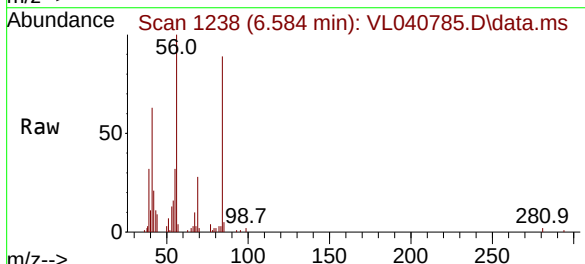
Tgt Ion: 84 Resp: 34591

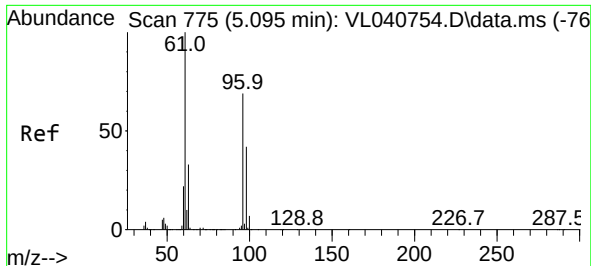
Ion Ratio Lower Upper

84 100

56 119.3 110.3 165.5

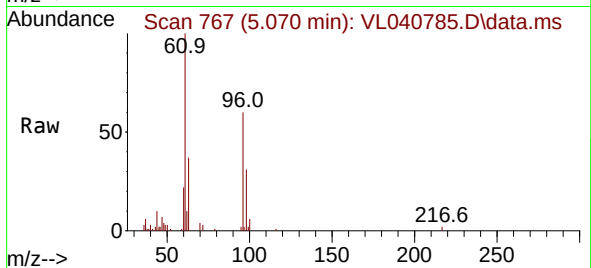
41 86.3 67.4 101.2





#31
 cis-1,2-Dichloroethene
 Concen: 0.426 ppbv
 RT: 5.070 min Scan# 70
 Delta R.T. -0.026 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

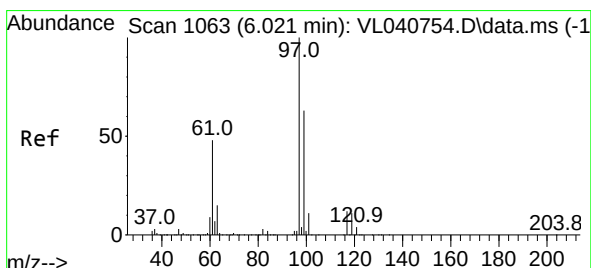
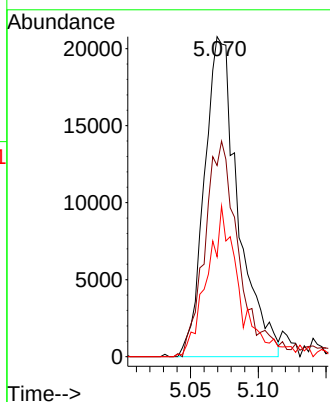
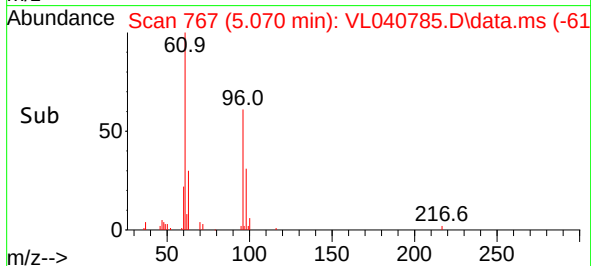
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 61 Resp: 3589
 Ion Ratio Lower Upper
 61 100
 96 60.7 55.1 82.7
 98 30.5 33.5 50.3

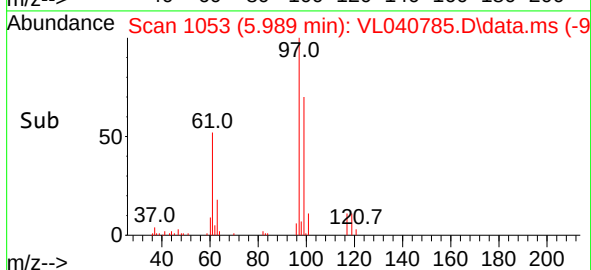
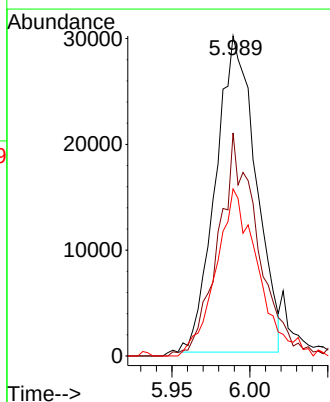
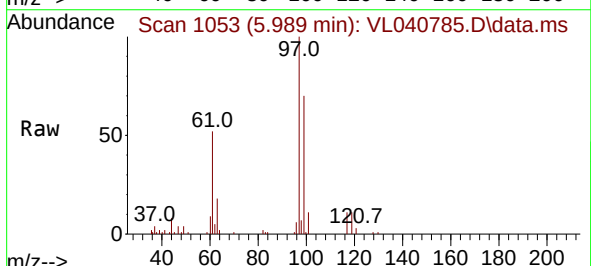
Manual Integrations
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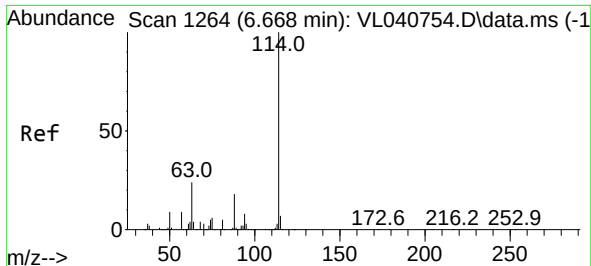
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.382 ppbv
 RT: 5.989 min Scan# 1053
 Delta R.T. -0.032 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Tgt Ion: 97 Resp: 53798
 Ion Ratio Lower Upper
 97 100
 99 69.2 51.8 77.6
 61 55.7 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. -0.026 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 2508830

Ion Ratio Lower Upper

114 100

63 23.7 19.8 29.6

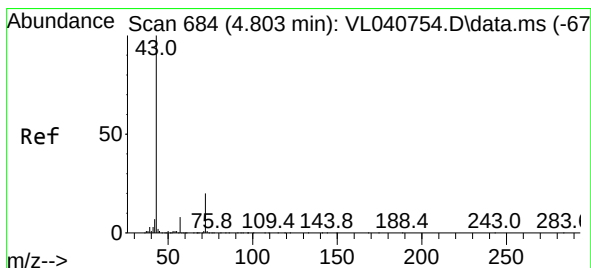
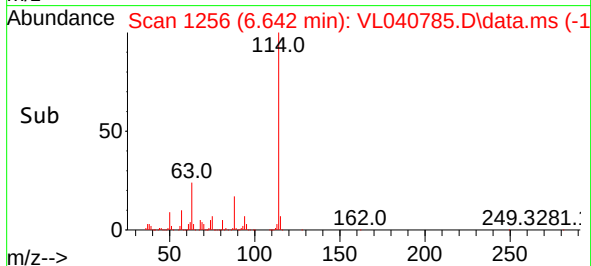
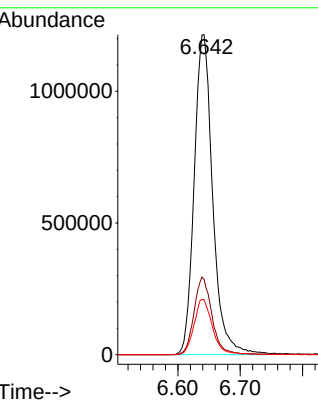
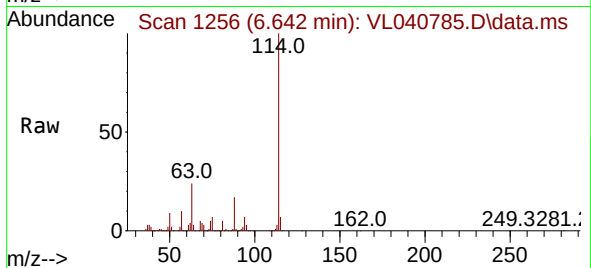
88 17.4 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#34

2-Butanone

Concen: 0.386 ppbv

RT: 4.800 min Scan# 683

Delta R.T. -0.003 min

Lab File: VL040785.D

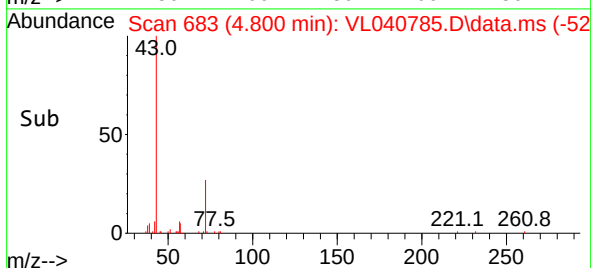
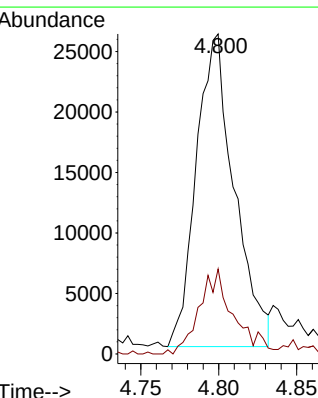
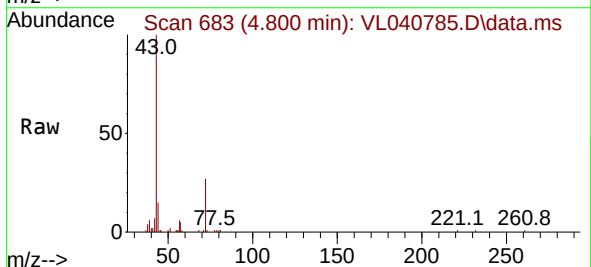
Acq: 23 Oct 2023 19:15

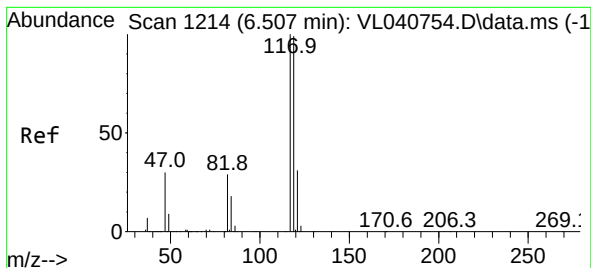
Tgt Ion: 43 Resp: 43844

Ion Ratio Lower Upper

43 100

72 28.1 16.8 25.2#





#35

Carbon Tetrachloride

Concen: 0.380 ppbv

RT: 6.478 min Scan# 117

Delta R.T. -0.029 min

Lab File: VL040785.D

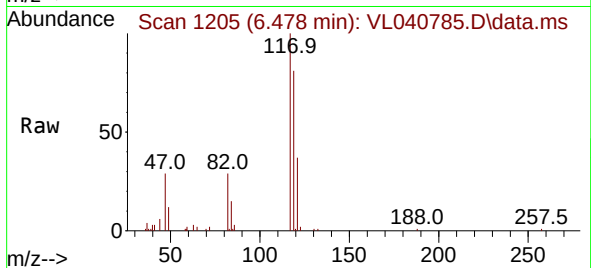
Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

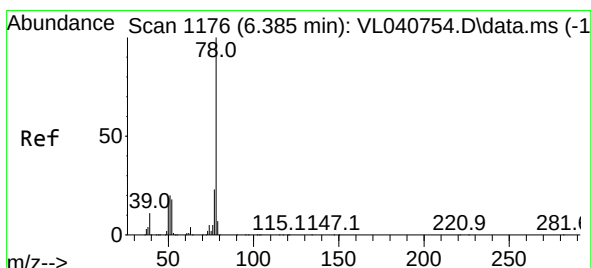
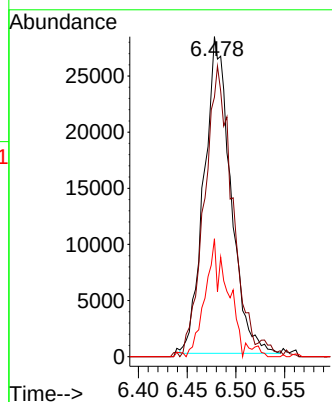
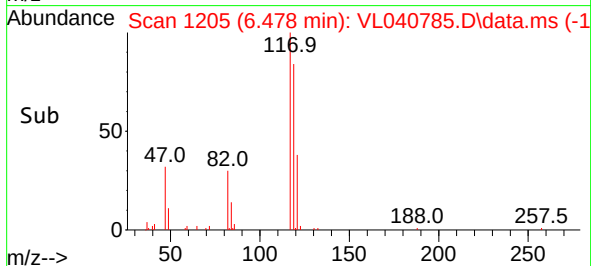


Tgt Ion:	117	Resp:	5349
Ion	Ratio	Lower	Upper
117	100		
119	82.0	79.4	119.0
121	37.2	25.0	37.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#36

Benzene

Concen: 0.432 ppbv m

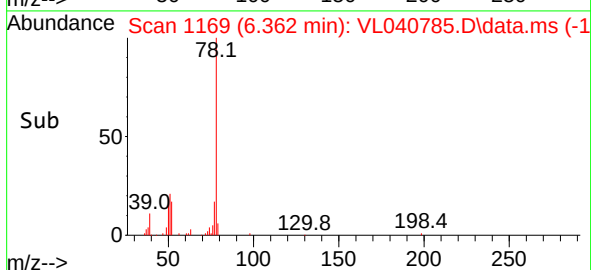
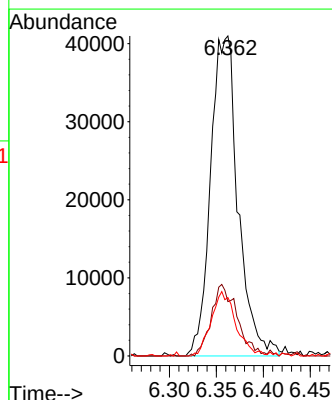
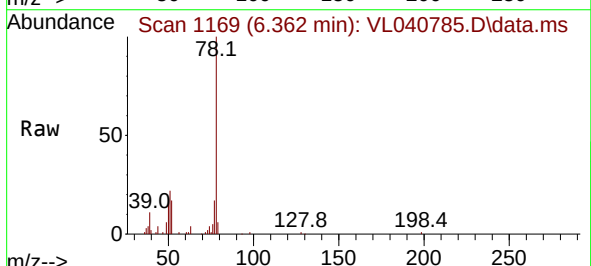
RT: 6.362 min Scan# 1169

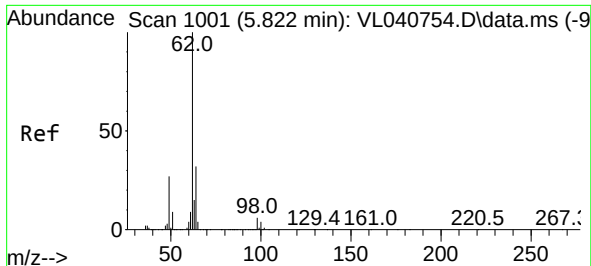
Delta R.T. -0.022 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Tgt Ion:	78	Resp:	83442
Ion	Ratio	Lower	Upper
78	100		
77	17.0	18.4	27.6
50	18.3	15.0	22.4





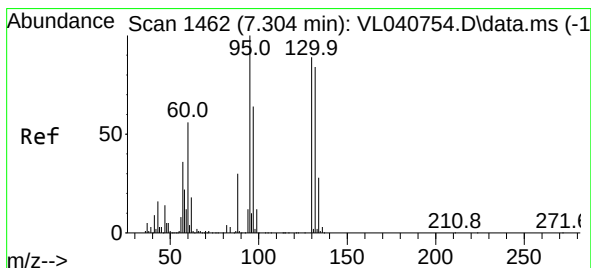
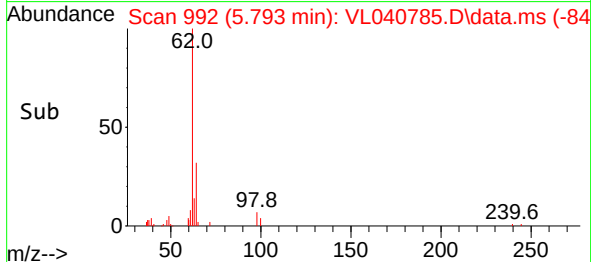
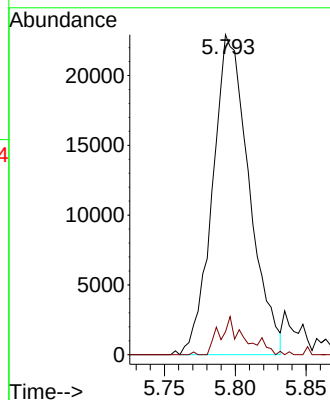
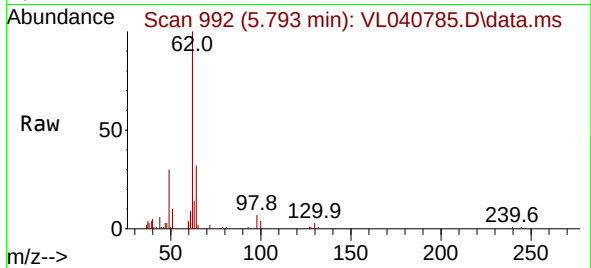
#37
1,2-Dichloroethane
Concen: 0.416 ppbv
RT: 5.793 min Scan# 992
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 62 Resp: 4107
Ion Ratio Lower Upper
62 100
98 8.3 5.4 8.0

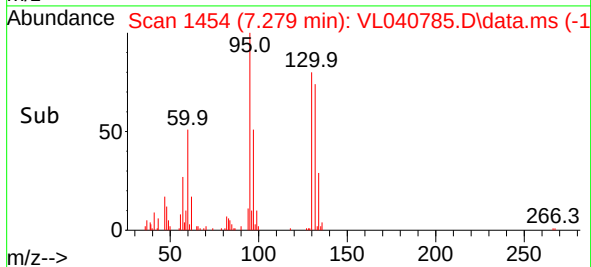
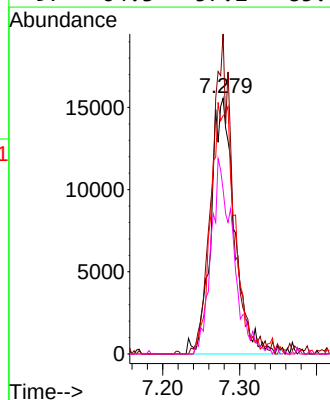
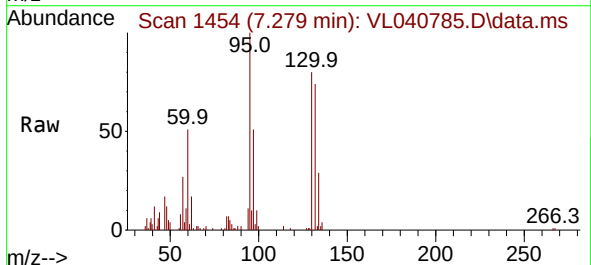
Manual Integrations
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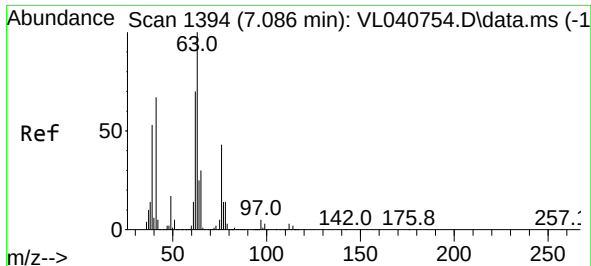
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#38
Trichloroethene
Concen: 0.388 ppbv m
RT: 7.279 min Scan# 1454
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Tgt Ion:130 Resp: 33160
Ion Ratio Lower Upper
130 100
95 125.2 89.4 134.2
132 93.2 74.8 112.2
97 64.3 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.444 ppbv m

RT: 7.053 min Scan# 1384

Delta R.T. -0.032 min

Lab File: VL040785.D

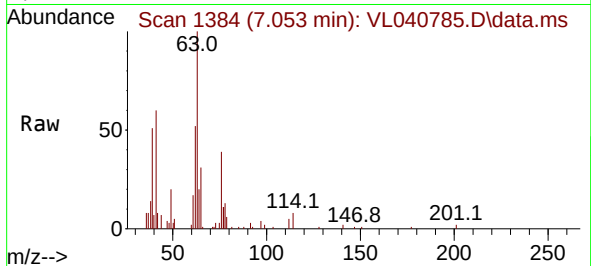
Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

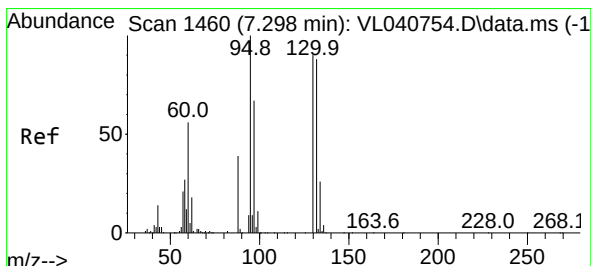
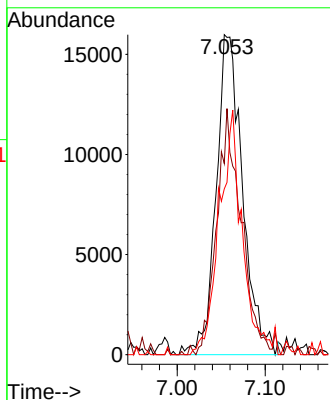
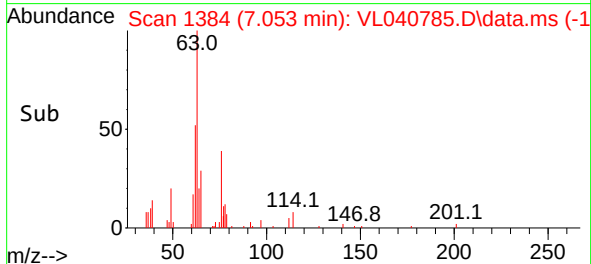
MDL-AIR-03-QT4-2023DL



Tgt Ion: 63	Resp: 3346
Ion Ratio	Lower Upper
63	100
41	59.7 53.7 80.5
62	51.8 55.7 83.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#40

1,4-Dioxane

Concen: 0.528 ppbv m

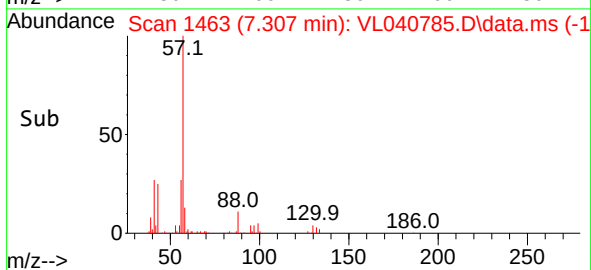
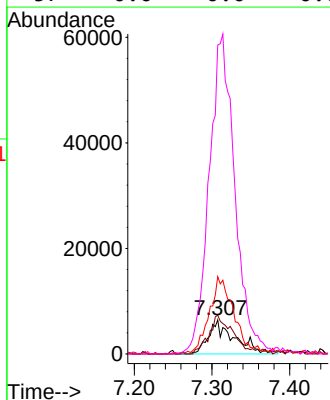
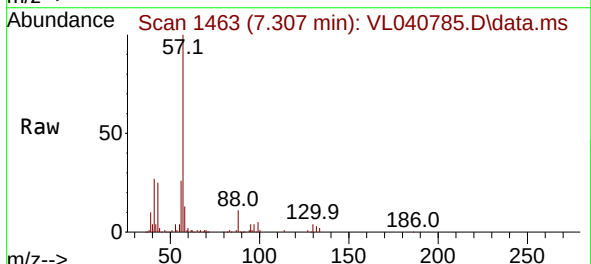
RT: 7.307 min Scan# 1463

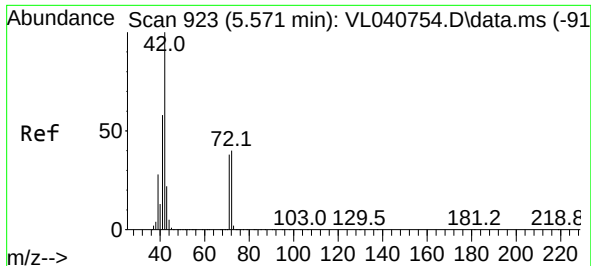
Delta R.T. 0.010 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

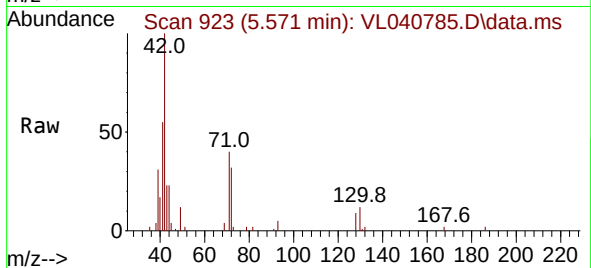
Tgt Ion: 88	Resp: 15050
Ion Ratio	Lower Upper
88	100
58	0.0 100.0 150.0#
43	0.0 0.0 0.0
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.421 ppbv m
RT: 5.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

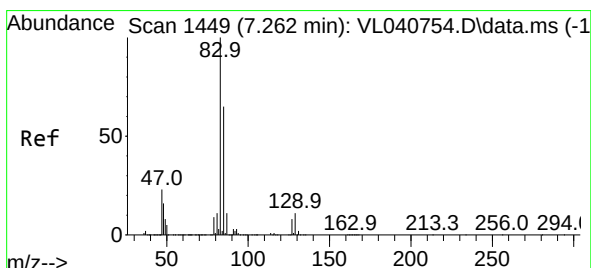
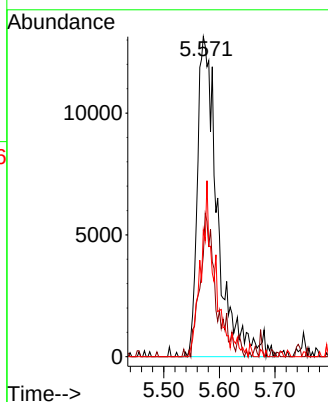
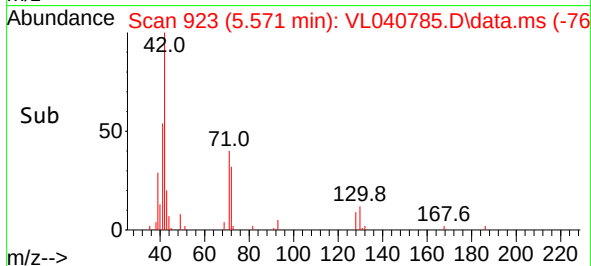
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



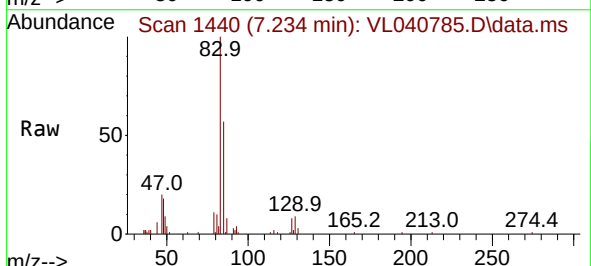
Tgt Ion: 42 Resp: 33108
Ion Ratio Lower Upper
42 100
72 36.8 31.1 46.7
71 39.3 29.7 44.5

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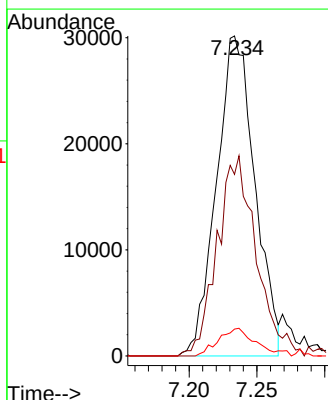
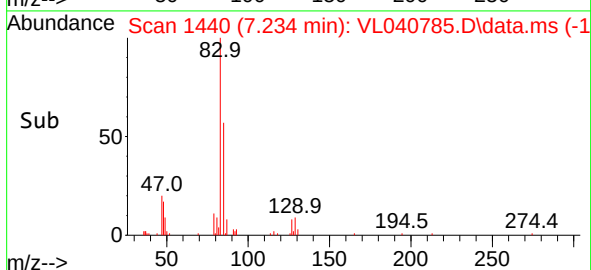
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

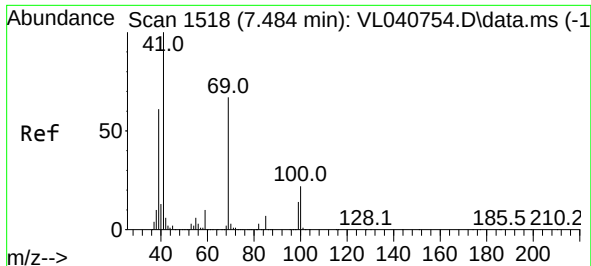


#42
Bromodichloromethane
Concen: 0.401 ppbv
RT: 7.234 min Scan# 1440
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



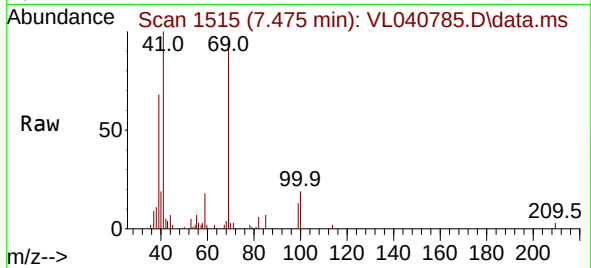
Tgt Ion: 83 Resp: 59439
Ion Ratio Lower Upper
83 100
85 56.7 52.1 78.1
127 8.4 6.7 10.1





#43
Methyl Methacrylate
Concen: 0.347 ppbv
RT: 7.475 min Scan# 1465
Delta R.T. -0.010 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

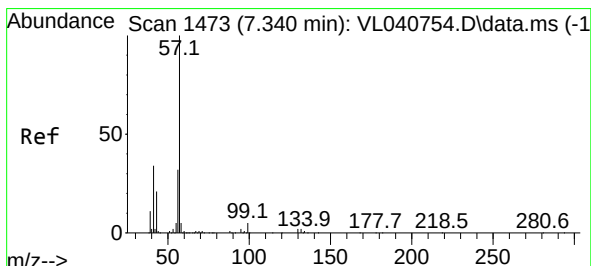
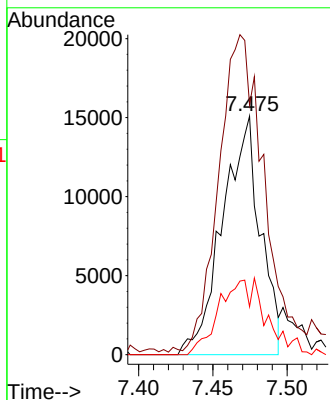
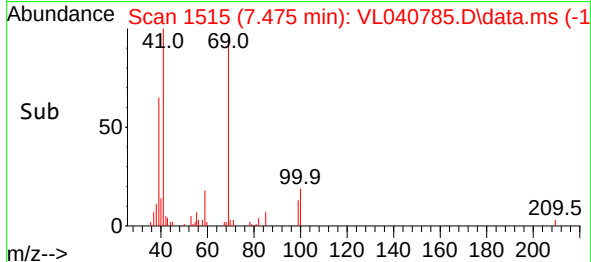
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 69 Resp: 26810
Ion Ratio Lower Upper
69 100
41 167.3 120.6 181.0
100 39.5 27.1 40.7

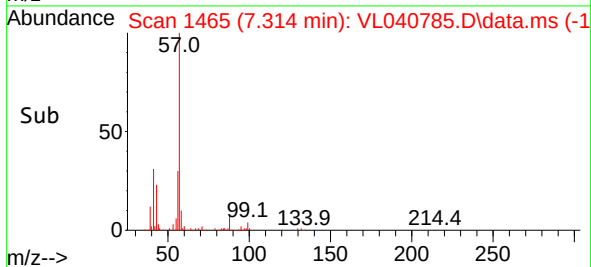
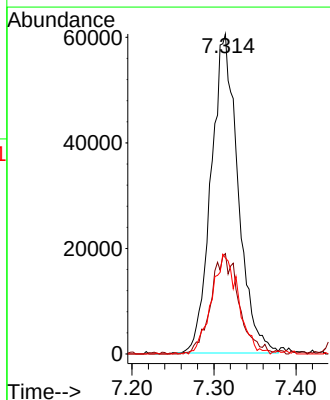
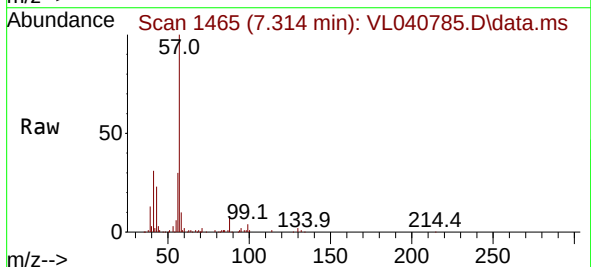
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APPROVED

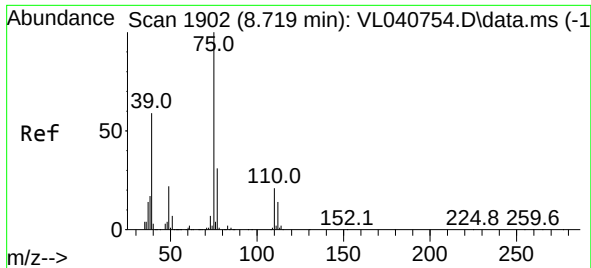
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#44
2,2,4-Trimethylpentane
Concen: 0.423 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Tgt Ion: 57 Resp: 137968
Ion Ratio Lower Upper
57 100
41 33.4 27.4 41.0
56 31.9 25.0 37.6





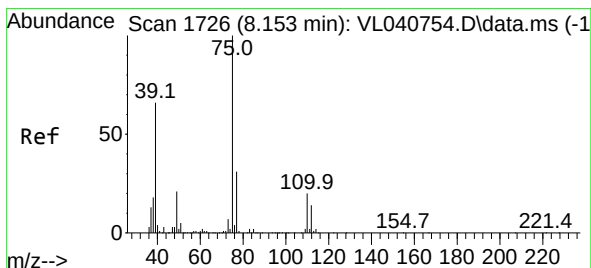
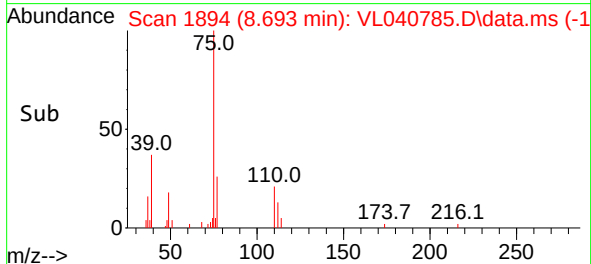
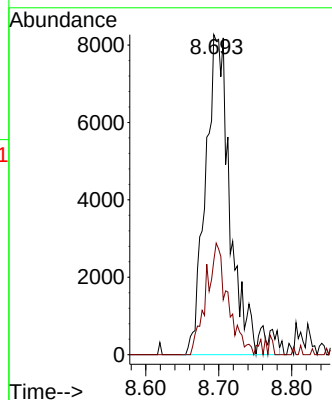
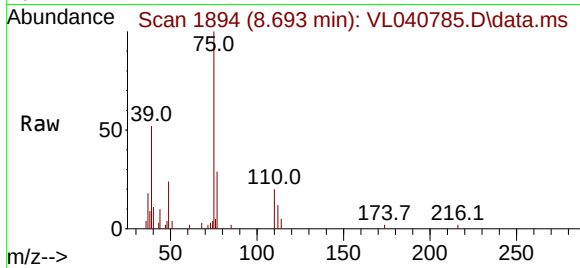
#45
 t-1,3-Dichloropropene
 Concen: 0.326 ppbv m
 RT: 8.693 min Scan# 1718
 Delta R.T. -0.026 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion: 75 Resp: 20070
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.9 37.3

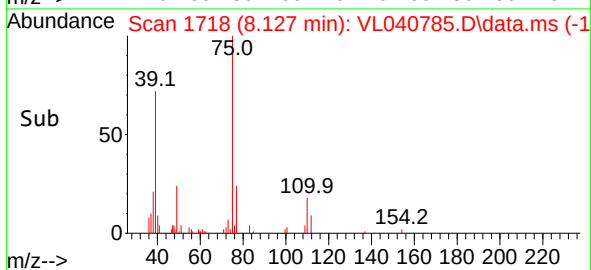
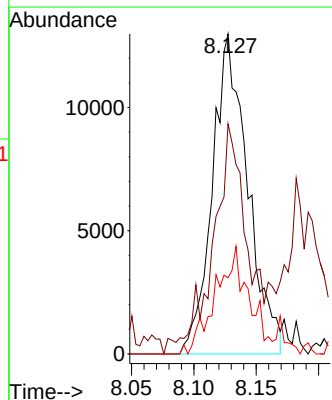
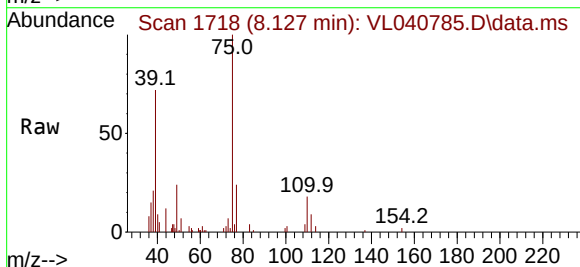
Manual Integrations
 APPROVED

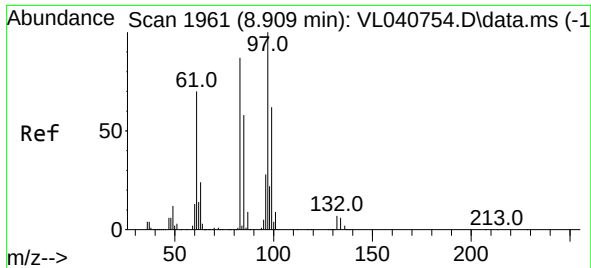
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.340 ppbv
 RT: 8.127 min Scan# 1718
 Delta R.T. -0.026 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Tgt Ion: 75 Resp: 25597
 Ion Ratio Lower Upper
 75 100
 39 66.9 52.4 78.6
 77 23.8 25.1 37.7#





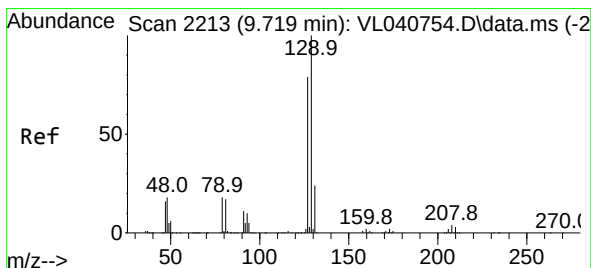
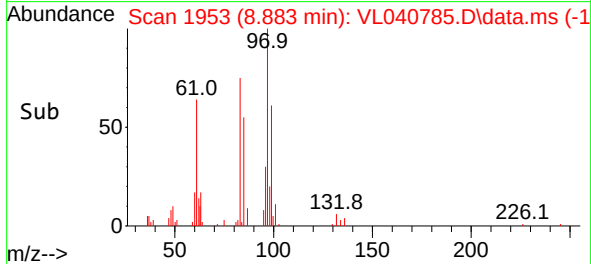
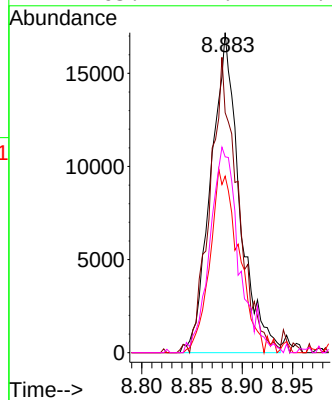
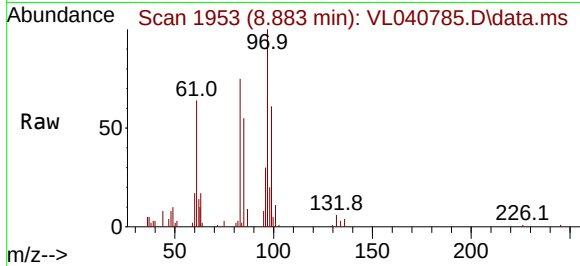
#47
1,1,2-Trichloroethane
Concen: 0.432 ppbv
RT: 8.883 min Scan# 1961
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL

Tgt Ion: 97 Resp: 3424
Ion Ratio Lower Upper
97 100
83 74.1 69.5 104.3
85 55.1 46.6 69.8
99 65.9 49.4 74.0

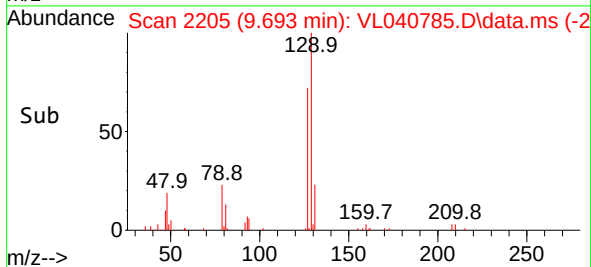
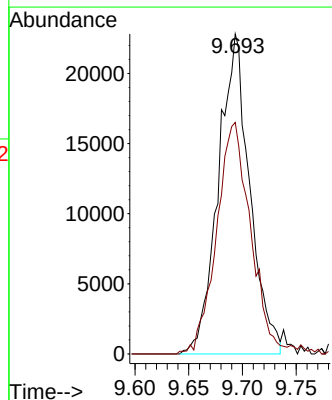
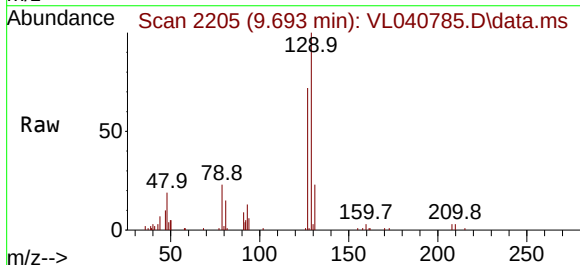
Manual Integrations
APPROVED

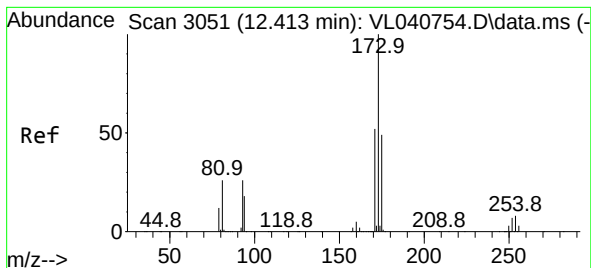
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#48
Dibromochloromethane
Concen: 0.349 ppbv
RT: 9.693 min Scan# 2205
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Tgt Ion:129 Resp: 46316
Ion Ratio Lower Upper
129 100
127 80.0 39.1 117.3





#49

Bromoform

Concen: 0.328 ppbv m

RT: 12.388 min Scan# 3051

Delta R.T. -0.026 min

Lab File: VL040785.D

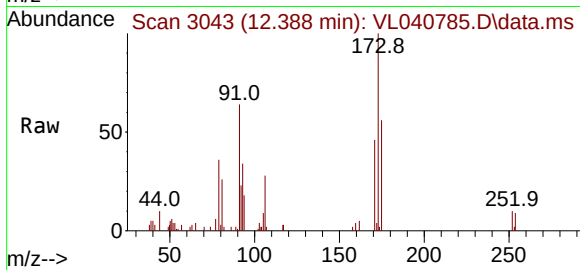
Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

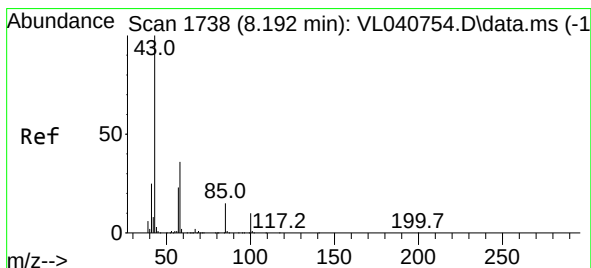
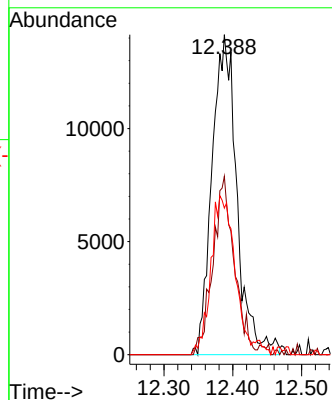
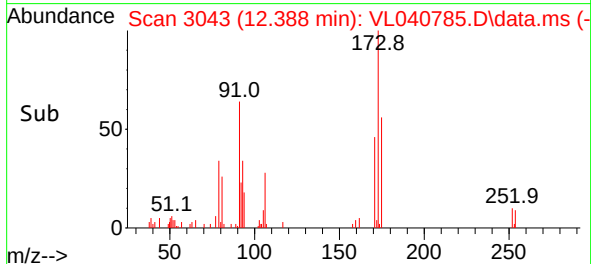


Tgt Ion:	173	Resp:	3539
Ion Ratio	Lower	Upper	
173	100		
175	49.3	39.2	58.8
171	49.3	42.0	63.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#50

4-Methyl-2-Pentanone

Concen: 0.397 ppbv m

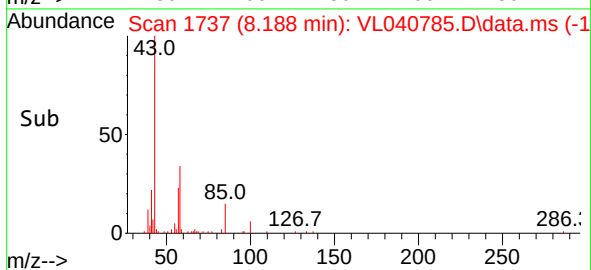
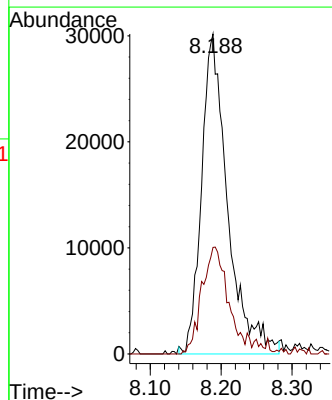
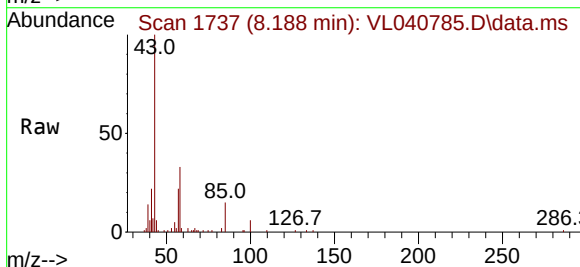
RT: 8.188 min Scan# 1737

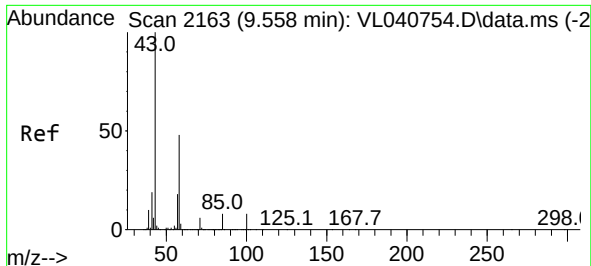
Delta R.T. -0.003 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

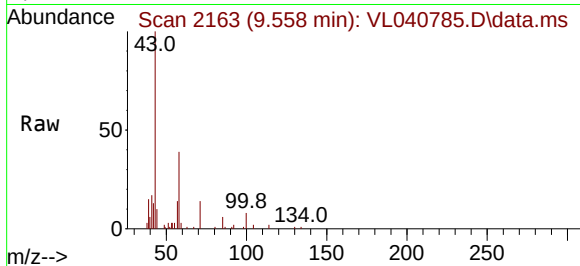
Tgt Ion:	43	Resp:	77148
Ion Ratio	Lower	Upper	
43	100		
58	36.4	28.8	43.2





#51
2-Hexanone
Concen: 0.353 ppbv m
RT: 9.558 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

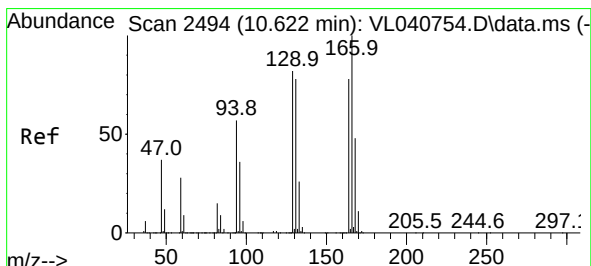
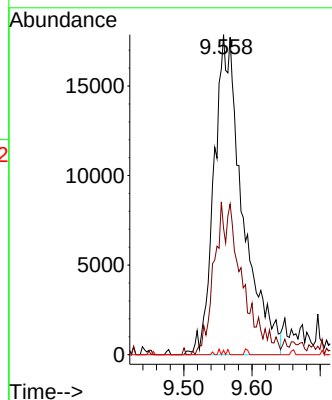
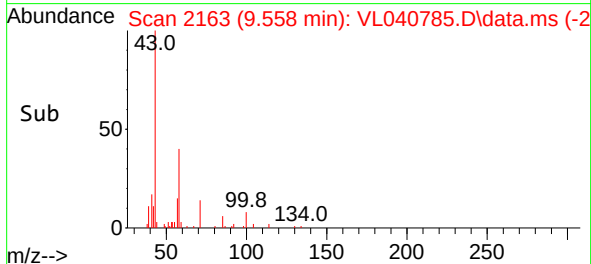
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



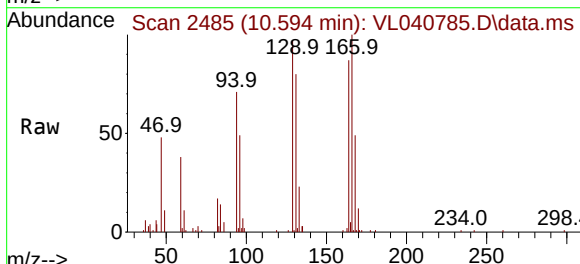
Tgt Ion: 43 Resp: 52174
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0
98 0.0 0.0 0.0

Manual Integrations
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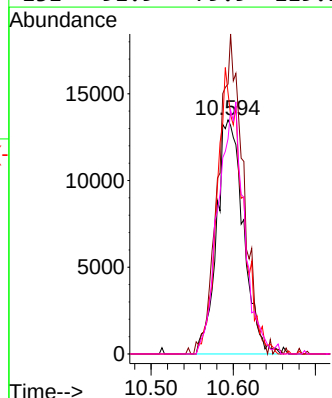
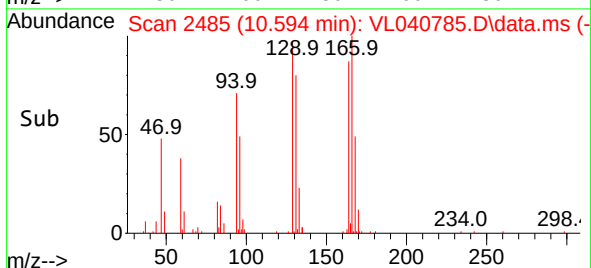
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

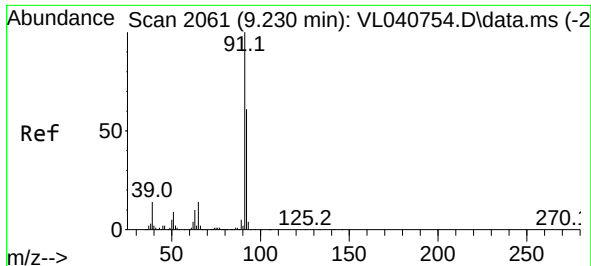


#52
Tetrachloroethene
Concen: 0.388 ppbv m
RT: 10.594 min Scan# 2485
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



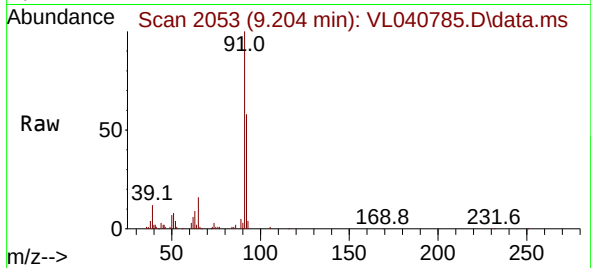
Tgt Ion:164 Resp: 30403
Ion Ratio Lower Upper
164 100
166 115.3 102.4 153.6
129 111.5 84.2 126.4
131 91.9 79.9 119.9





#53
Toluene
Concen: 0.391 ppbv
RT: 9.204 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

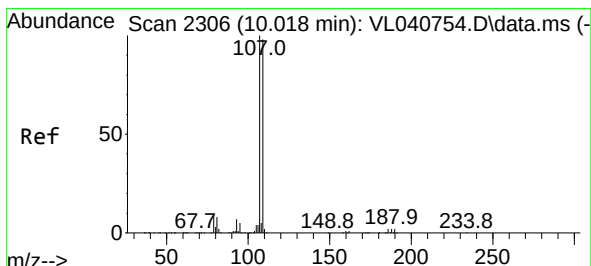
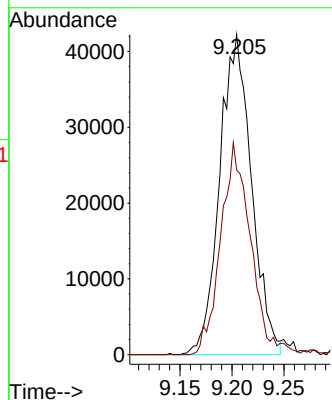
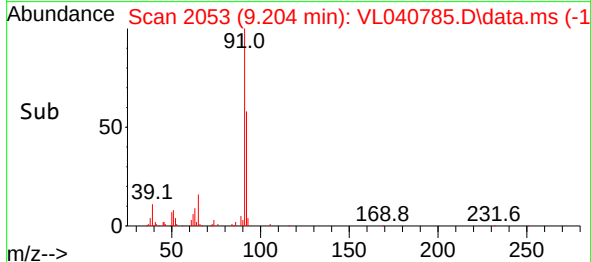
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 91 Resp: 8984
Ion Ratio Lower Upper
91 100
92 62.8 50.2 75.2

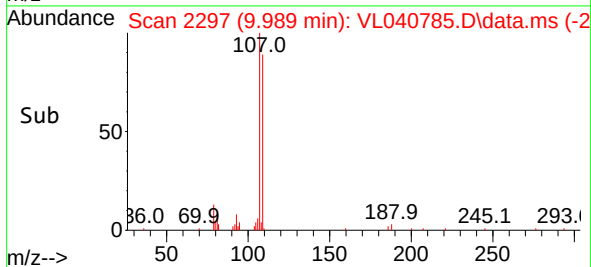
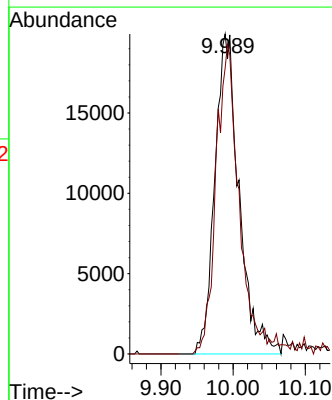
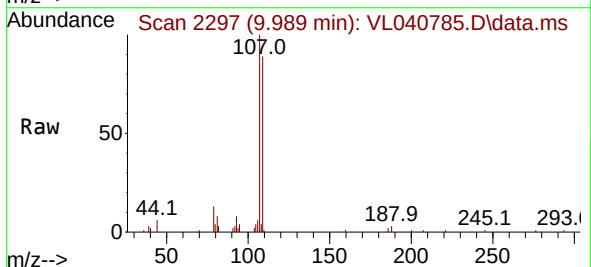
Manual Integrations
APPROVED

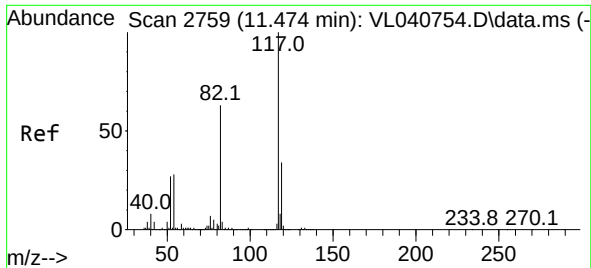
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#54
1,2-Dibromoethane
Concen: 0.416 ppbv m
RT: 9.989 min Scan# 2297
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

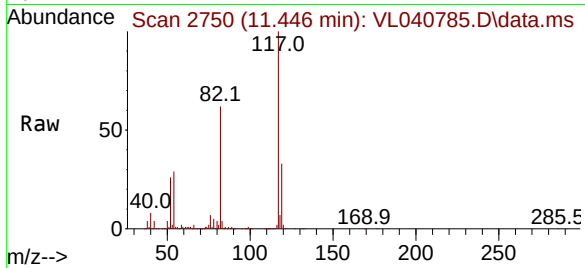
Tgt Ion:107 Resp: 46240
Ion Ratio Lower Upper
107 100
109 89.4 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.446 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

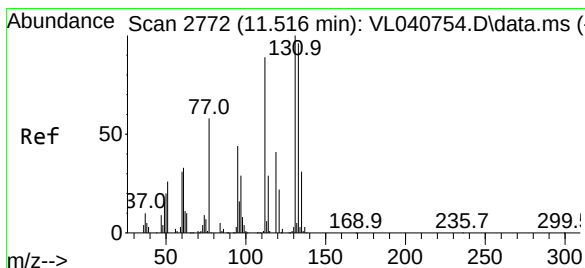
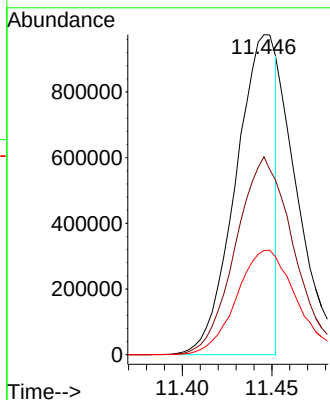
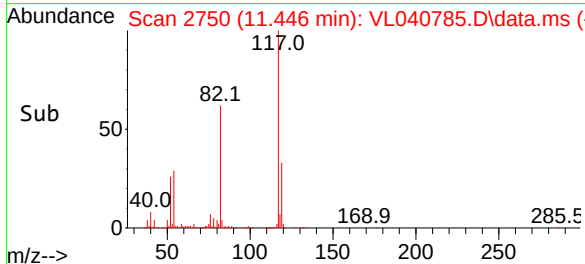
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



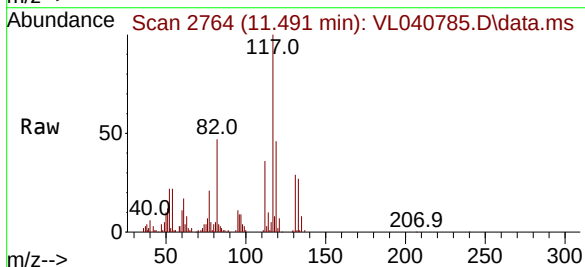
Tgt Ion:117 Resp: 151389
Ion Ratio Lower Upper
117 100
82 93.2 46.6 70.0
119 51.7 26.0 39.0

Manual Integrations
APPROVED

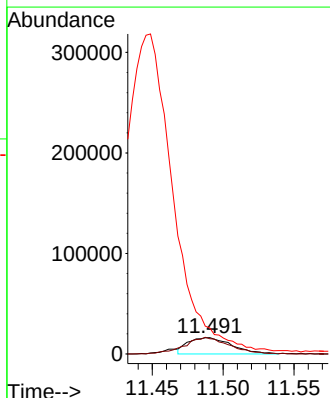
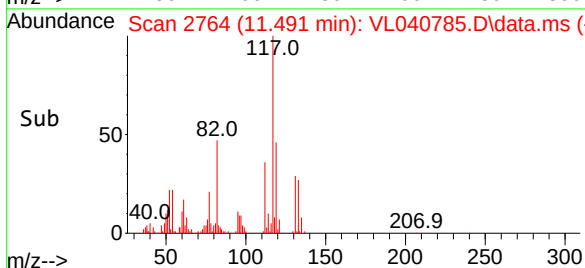
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

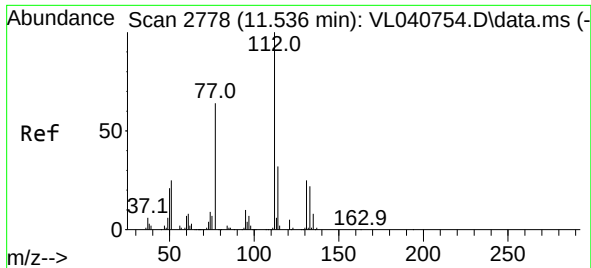


#56
1,1,1,2-Tetrachloroethane
Concen: 0.563 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



Tgt Ion:131 Resp: 34778
Ion Ratio Lower Upper
131 100
133 104.1 75.0 112.6
119 0.0 45.4 68.0





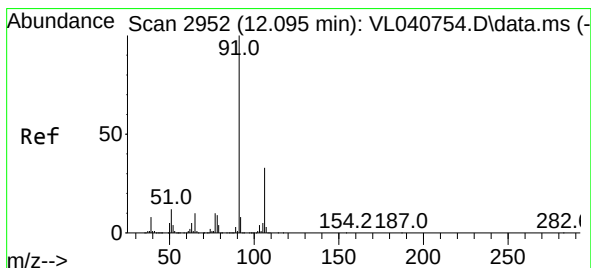
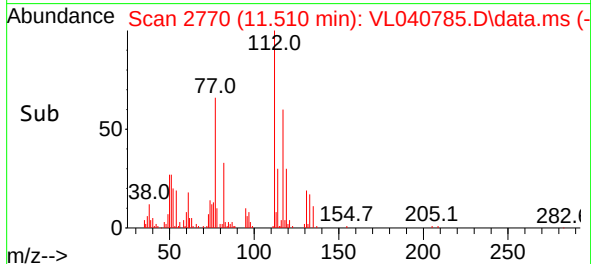
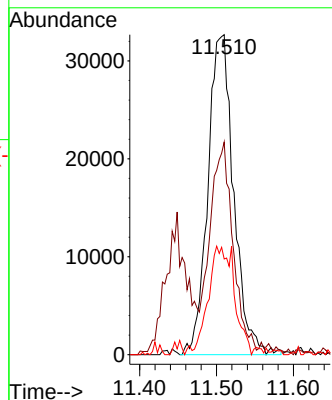
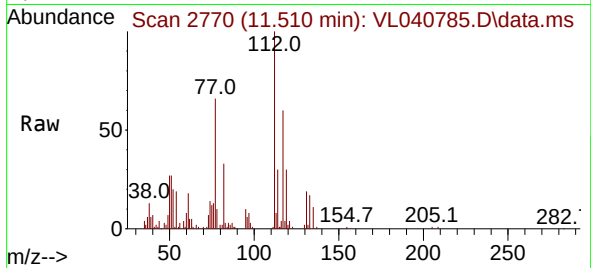
#57
Chlorobenzene
Concen: 0.703 ppbv m
RT: 11.510 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion:112 Resp: 7629
Ion Ratio Lower Upper
112 100
77 66.4 51.9 77.9
114 29.9 28.6 35.0

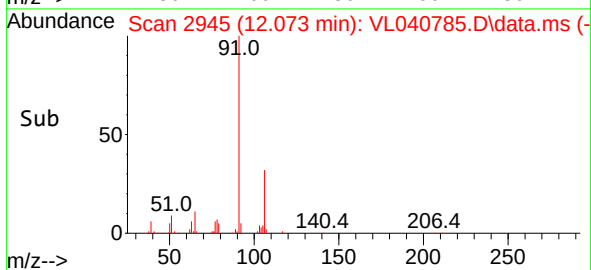
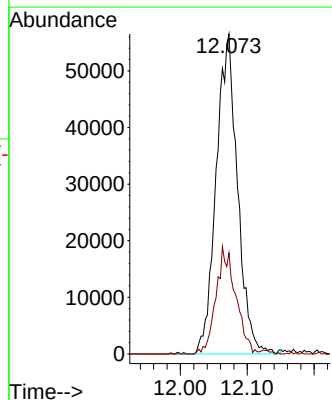
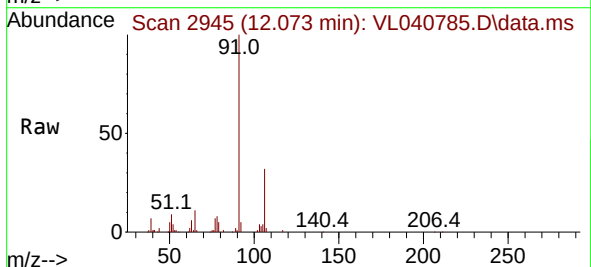
Manual Integrations
APPROVED

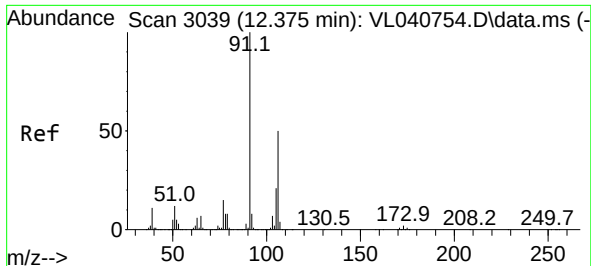
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#58
Ethyl Benzene
Concen: 0.659 ppbv m
RT: 12.073 min Scan# 2945
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Tgt Ion: 91 Resp: 125561
Ion Ratio Lower Upper
91 100
106 31.6 26.7 40.1





#59

m/p-Xylene

Concen: 1.313 ppbv m

RT: 12.346 min Scan# 3030

Delta R.T. -0.029 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

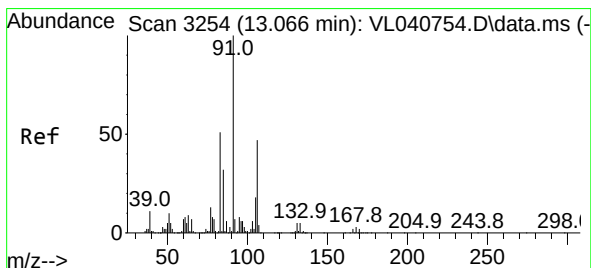
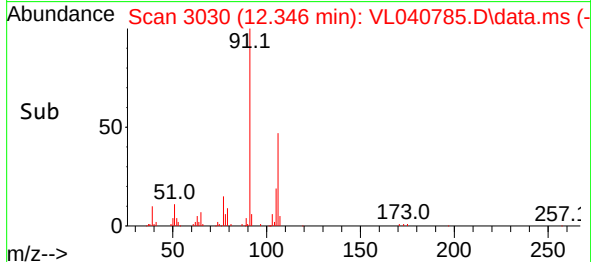
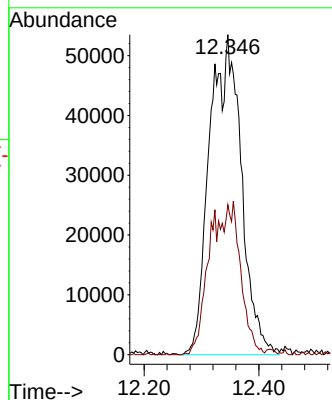
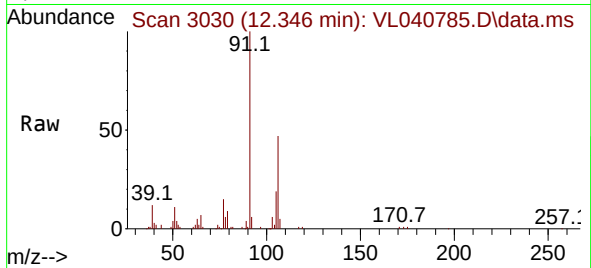
MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 206019
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#60

o-Xylene

Concen: 0.642 ppbv

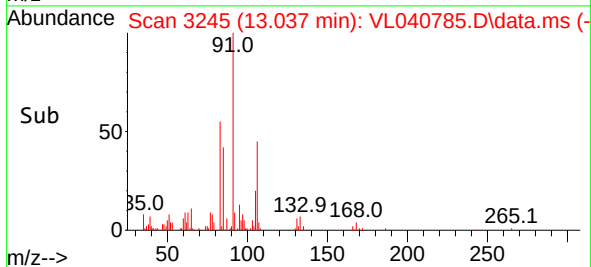
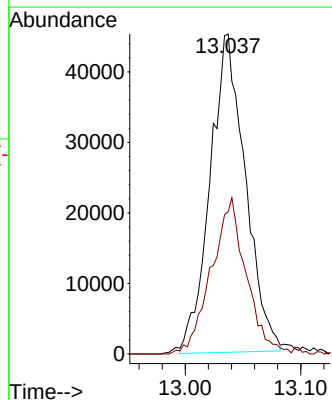
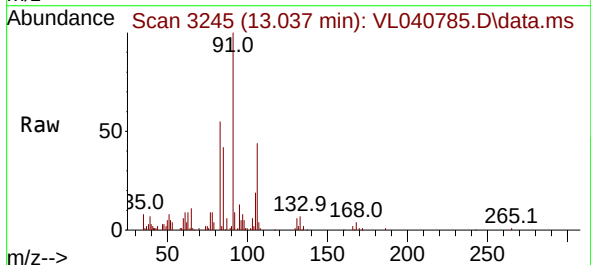
RT: 13.037 min Scan# 3245

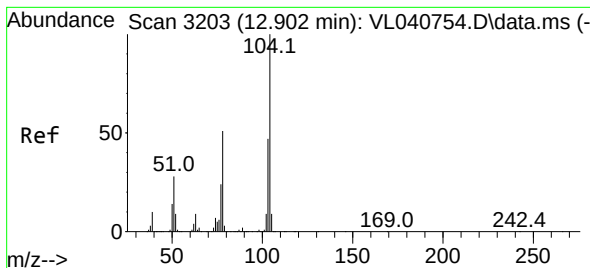
Delta R.T. -0.029 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Tgt Ion: 91 Resp: 95944
 Ion Ratio Lower Upper
 91 100
 106 48.8 23.5 70.5





#61

Styrene

Concen: 0.582 ppbv m

RT: 12.870 min Scan# 3193

Delta R.T. -0.032 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

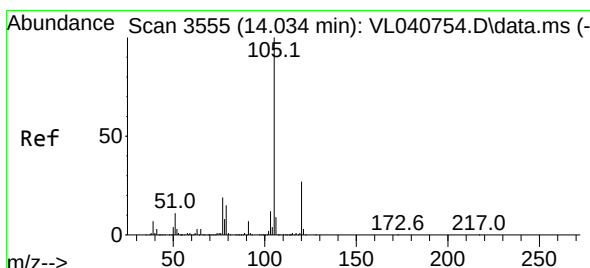
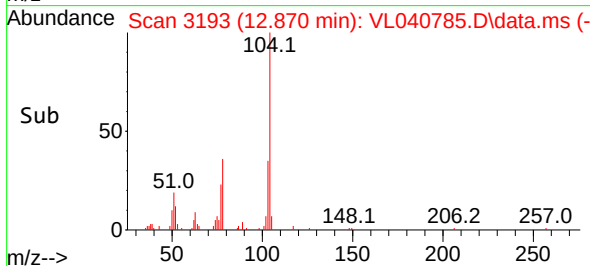
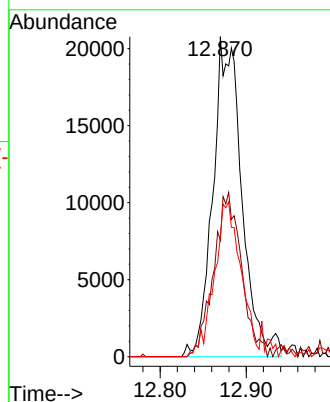
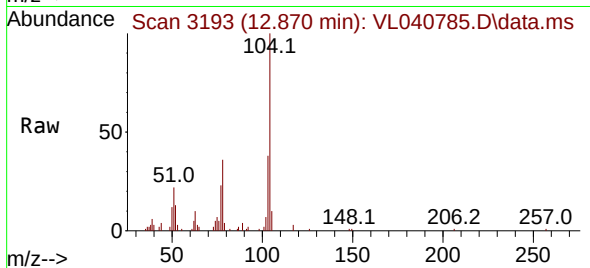
Tgt Ion:	104	Resp:	48230
Ion Ratio	Lower	Upper	
104	100		
78	0.0	39.8	59.6
103	0.0	37.5	56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#62

Isopropylbenzene

Concen: 0.671 ppbv

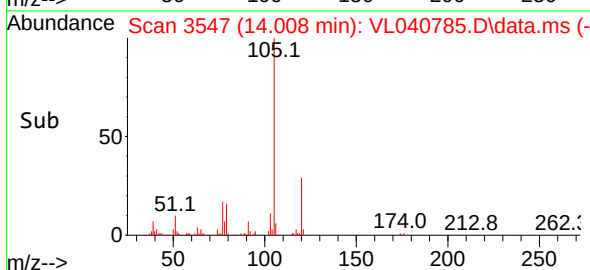
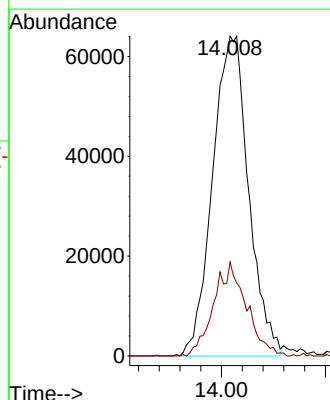
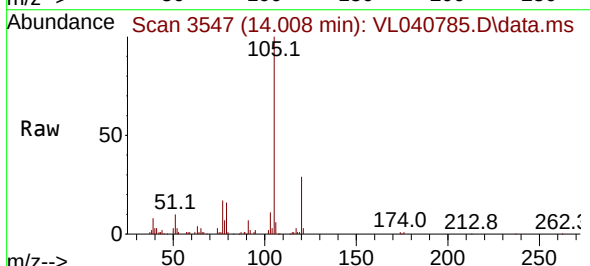
RT: 14.008 min Scan# 3547

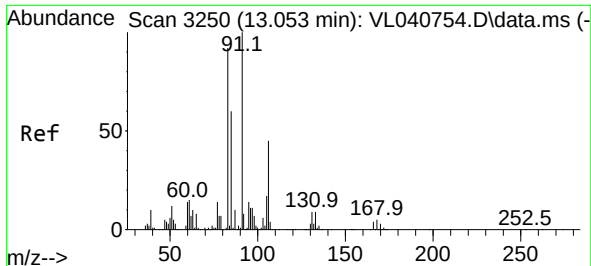
Delta R.T. -0.026 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Tgt Ion:	105	Resp:	154287
Ion Ratio	Lower	Upper	
105	100		
120	26.7	21.5	32.3





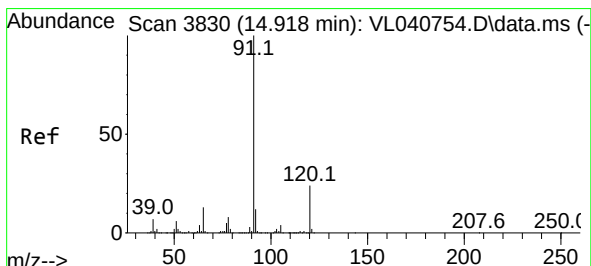
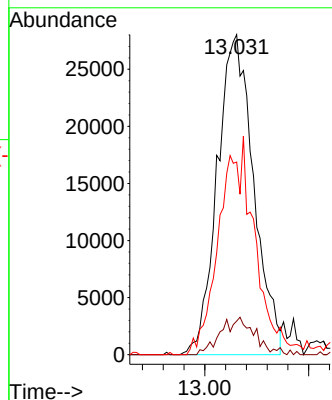
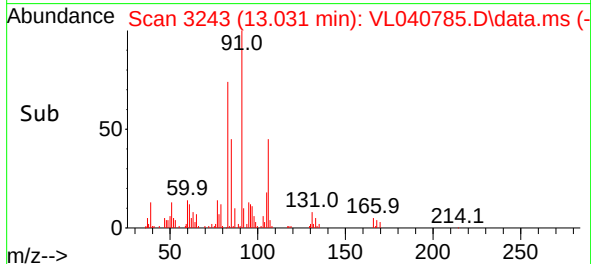
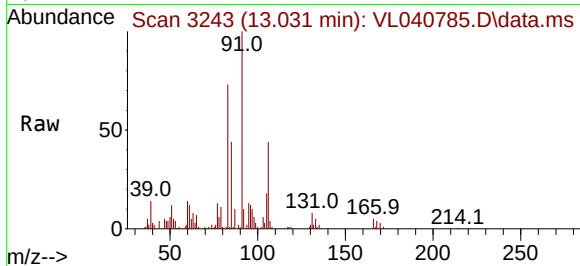
#63
1,1,2,2-Tetrachloroethane
Concen: 0.608 ppbv
RT: 13.031 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 68150
Ion Ratio Lower Upper
83 100
131 11.1 4.9 14.6
85 67.1 32.9 98.7

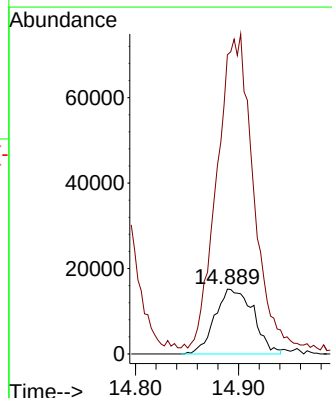
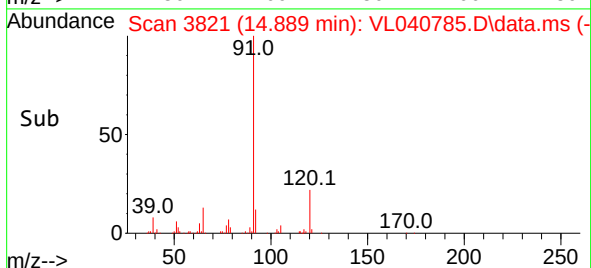
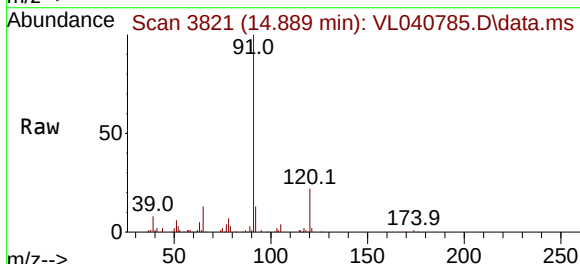
Manual Integrations
APPROVED

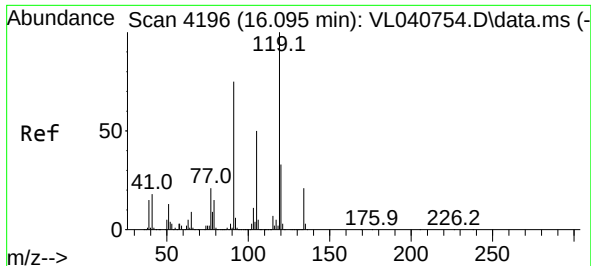
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#64
n-propylbenzene
Concen: 0.635 ppbv m
RT: 14.889 min Scan# 3821
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

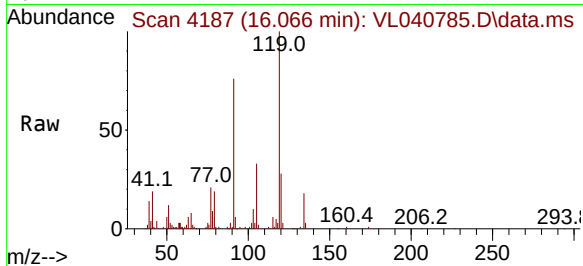
Tgt Ion:120 Resp: 39241
Ion Ratio Lower Upper
120 100
91 293.9 345.9 518.9#





#65
tert-Butylbenzene
Concen: 0.665 ppbv m
RT: 16.066 min Scan# 4196
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

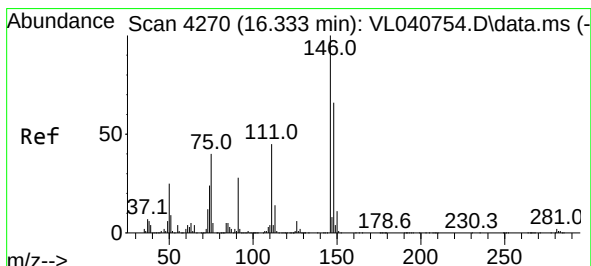
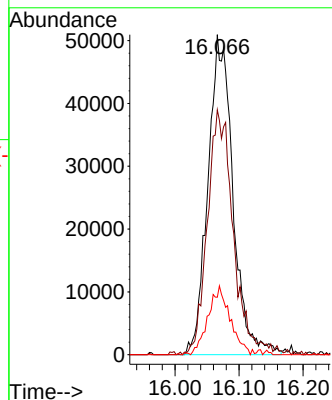
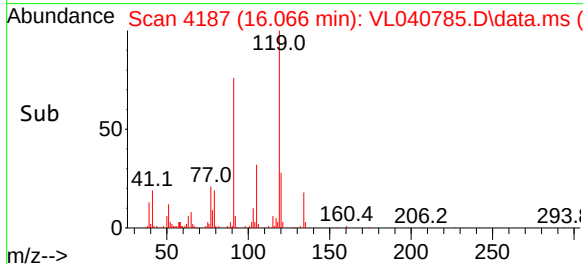
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



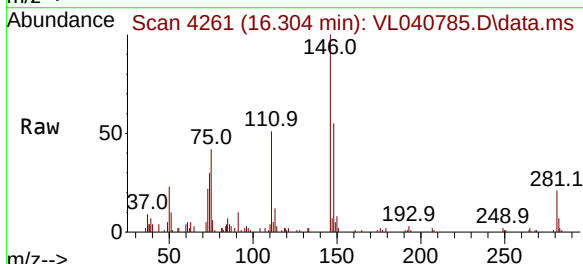
Tgt Ion: 119 Resp: 138010
Ion Ratio Lower Upper
119 100
91 80.2 62.2 93.2
134 19.1 16.1 24.1

Manual Integrations
APPROVED

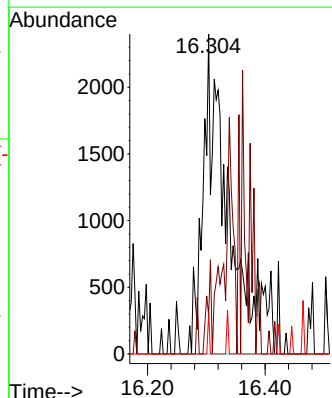
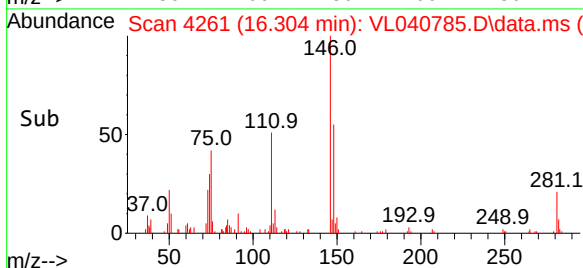
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

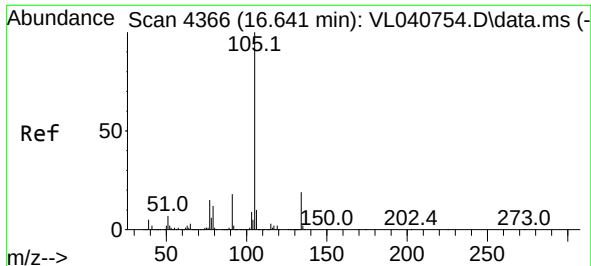


#66
Benzyl Chloride
Concen: 0.354 ppbv m
RT: 16.304 min Scan# 4261
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



Tgt Ion: 91 Resp: 7400
Ion Ratio Lower Upper
91 100
126 1.1 16.1 24.1#
128 0.8 5.2 7.8#





#67

sec-Butylbenzene

Concen: 0.645 ppbv

RT: 16.616 min Scan# 41

Delta R.T. -0.026 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:105 Resp: 18328

Ion Ratio Lower Upper

105 100

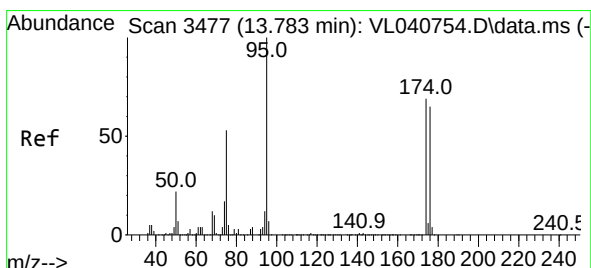
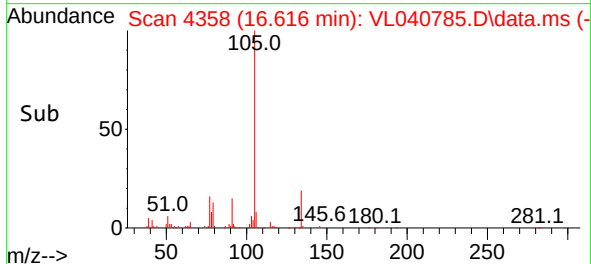
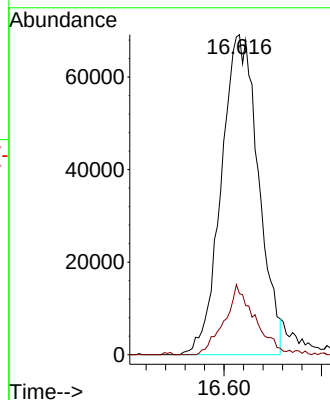
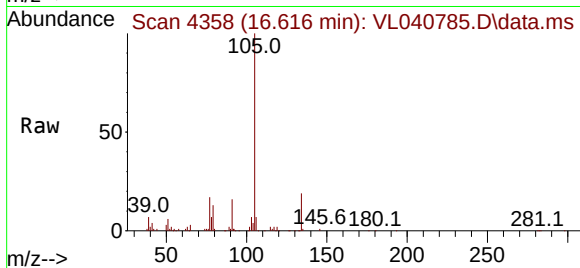
134 18.3 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 15.685 ppbv

RT: 13.754 min Scan# 3468

Delta R.T. -0.029 min

Lab File: VL040785.D

Acq: 23 Oct 2023 19:15

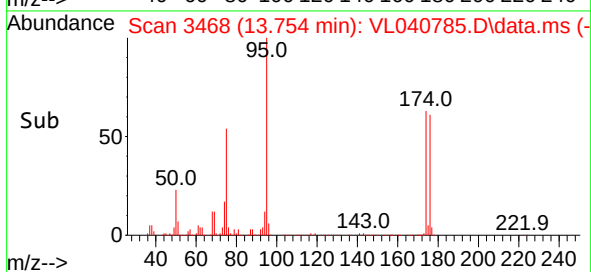
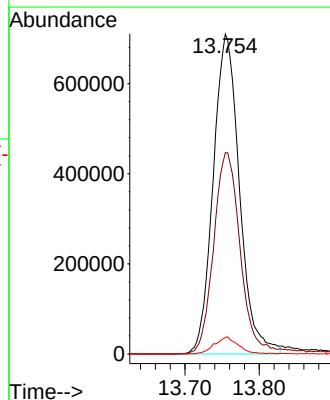
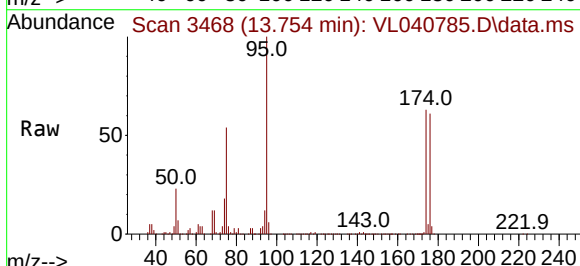
Tgt Ion: 95 Resp: 1747255

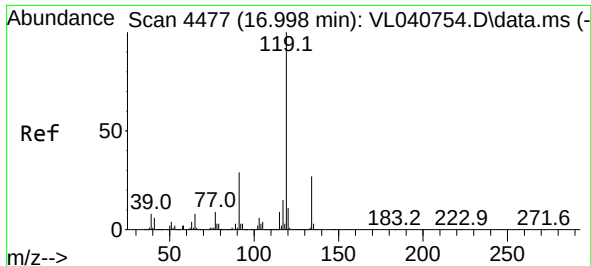
Ion Ratio Lower Upper

95 100

174 65.8 54.7 82.1

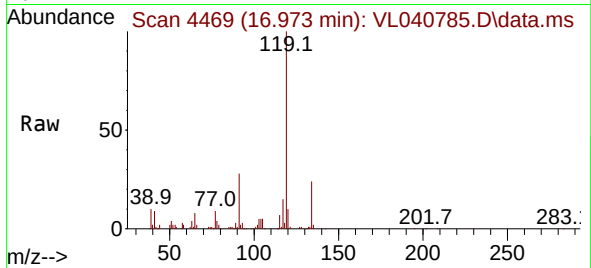
175 5.0 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.607 ppbv
RT: 16.973 min Scan# 4477
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

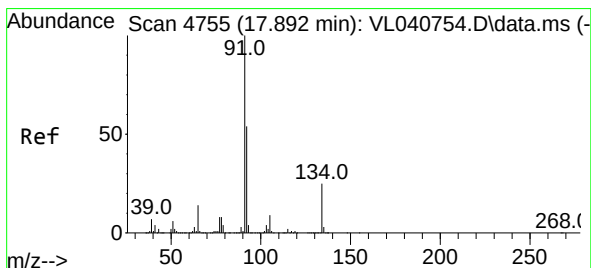
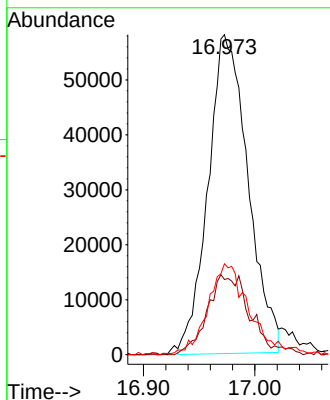
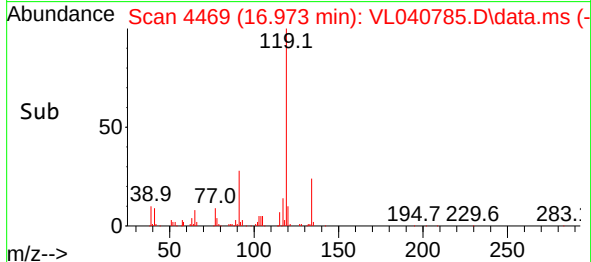
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



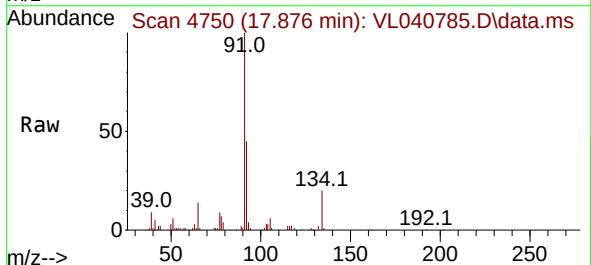
Tgt Ion: 119 Resp: 144499
Ion Ratio Lower Upper
119 100
134 26.9 21.0 31.4
91 30.0 22.8 34.2

Manual Integrations
APPROVED

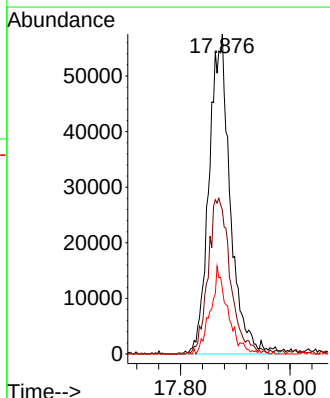
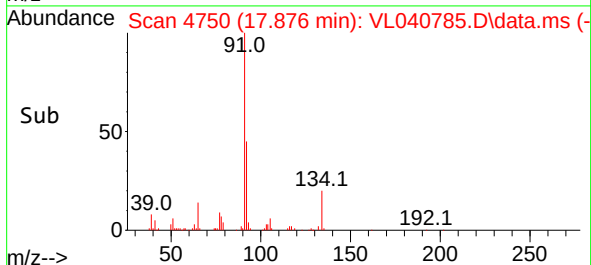
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

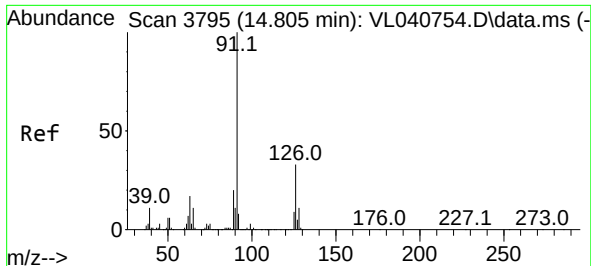


#70
n-Butylbenzene
Concen: 0.664 ppbv m
RT: 17.876 min Scan# 4750
Delta R.T. -0.016 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



Tgt Ion: 91 Resp: 155145
Ion Ratio Lower Upper
91 100
92 51.4 44.1 66.1
134 22.6 19.5 29.3





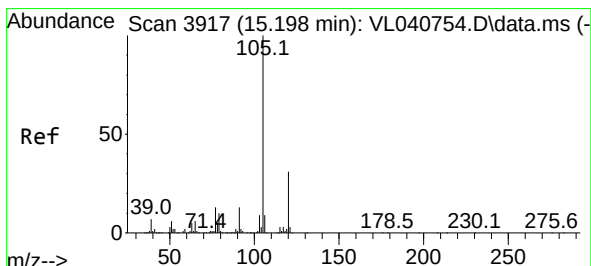
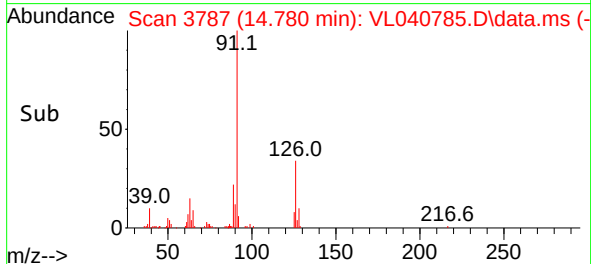
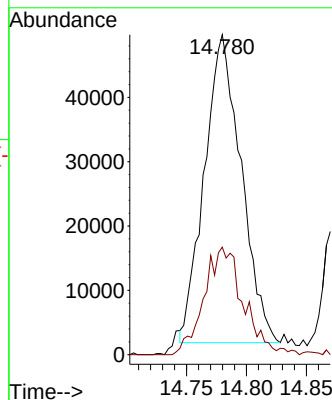
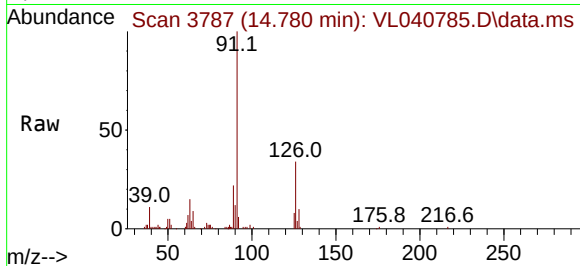
#71
2-Chlorotoluene
Concen: 0.591 ppbv
RT: 14.780 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 102019
Ion Ratio Lower Upper
91 100
126 37.3 13.3 53.1

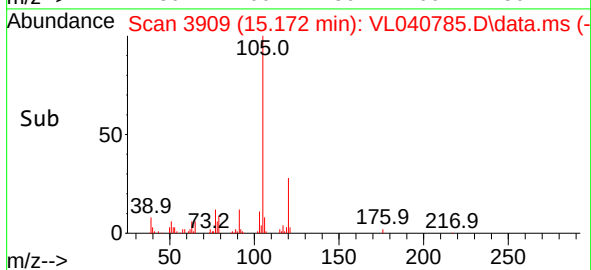
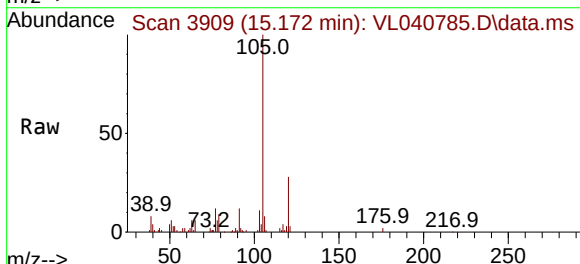
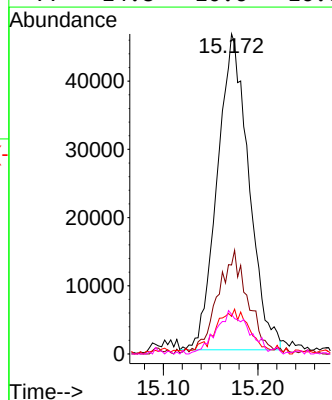
Manual Integrations
APPROVED

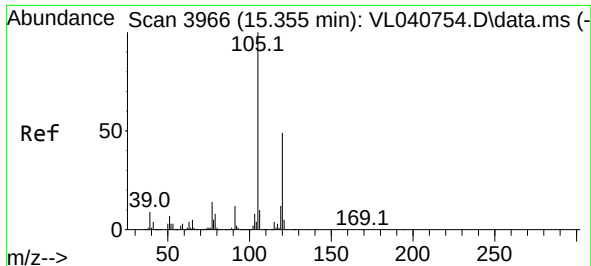
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#72
4-Ethyltoluene
Concen: 0.612 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

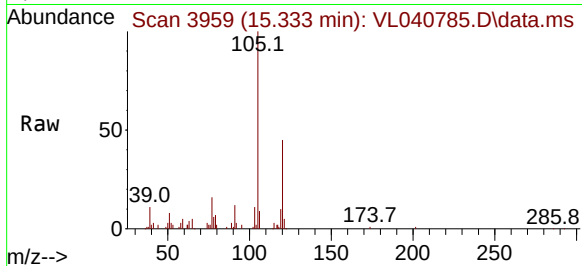
Tgt Ion:105 Resp: 107127
Ion Ratio Lower Upper
105 100
120 33.8 25.0 37.4
91 15.8 9.8 14.8#
77 14.8 10.6 16.0





#73
1,3,5-Trimethylbenzene
Concen: 0.655 ppbv m
RT: 15.333 min Scan# 3966
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

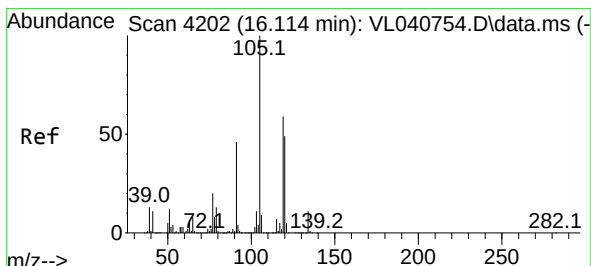
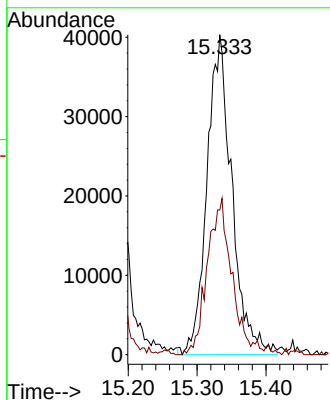
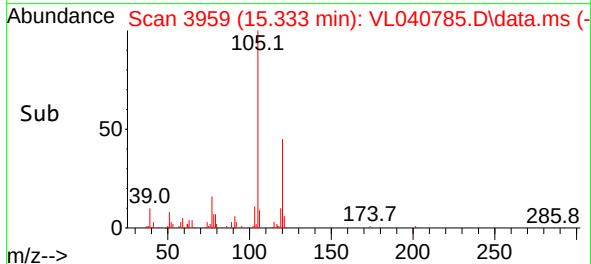
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 100990
Ion Ratio Lower Upper
105 100
120 45.2 39.4 59.2

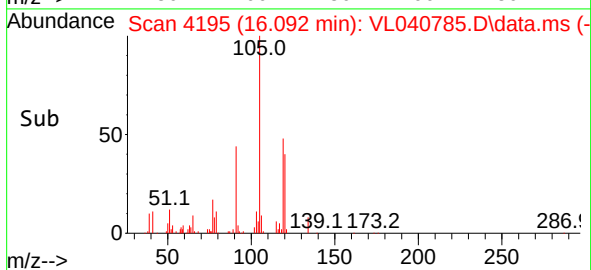
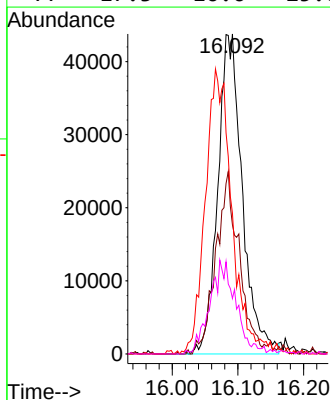
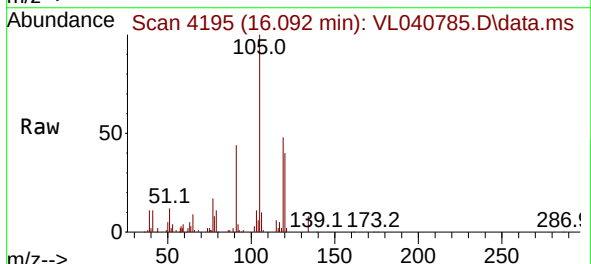
Manual Integrations
APPROVED

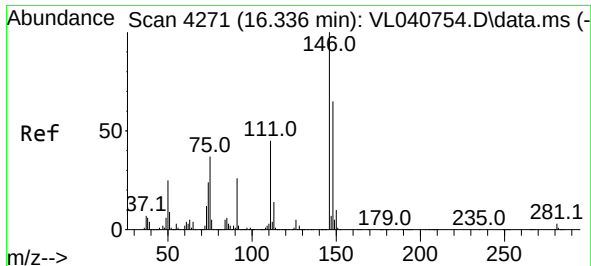
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.674 ppbv m
RT: 16.092 min Scan# 4195
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

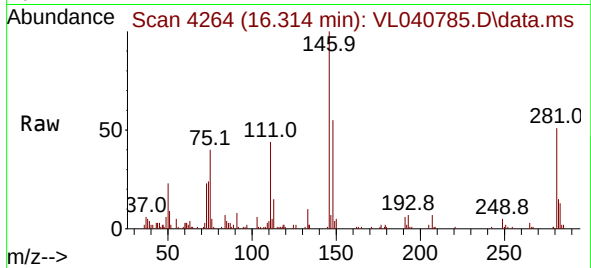
Tgt Ion:105 Resp: 113460
Ion Ratio Lower Upper
105 100
120 40.4 39.4 59.2
91 44.0 38.6 58.0
77 17.3 16.6 25.0





#75
1,3-Dichlorobenzene
Concen: 0.633 ppbv m
RT: 16.314 min Scan# 4306
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

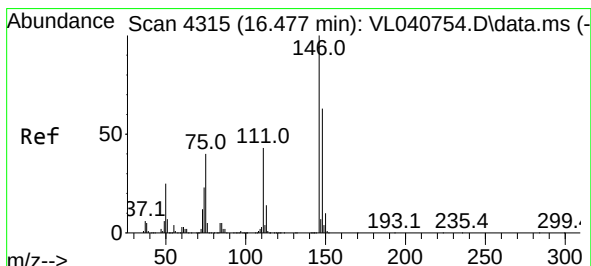
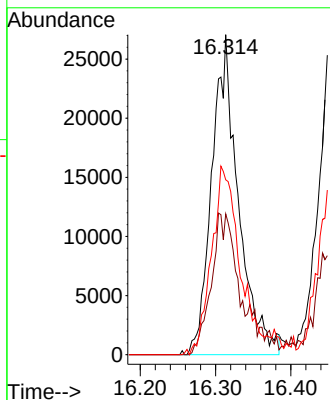
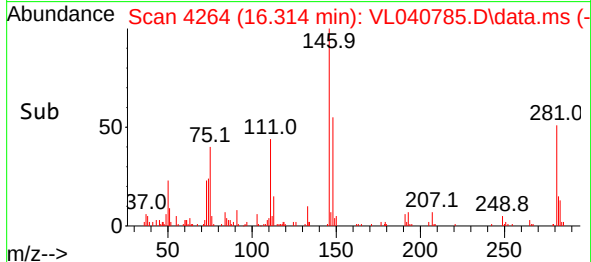
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



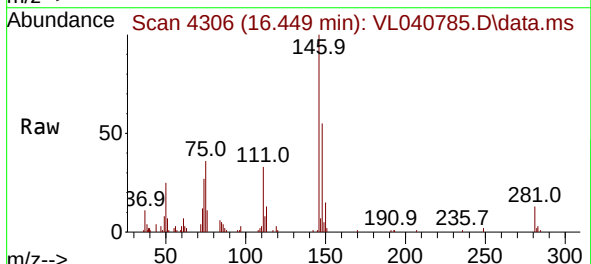
Tgt Ion:146 Resp: 6631
Ion Ratio Lower Upper
146 100
111 49.7 22.6 67.7
148 65.4 32.4 97.0

Manual Integrations
APPROVED

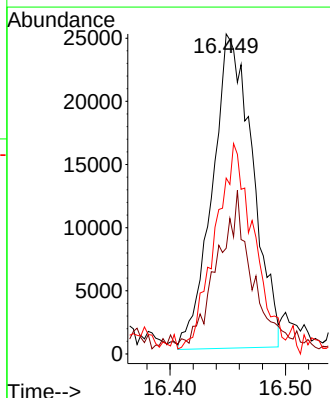
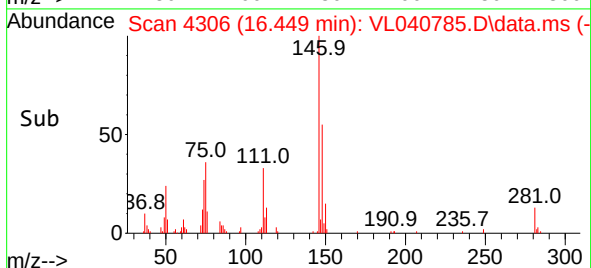
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

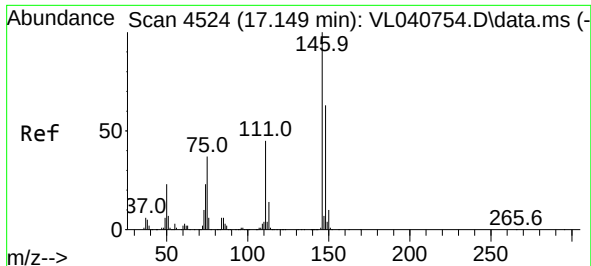


#76
1,4-Dichlorobenzene
Concen: 0.582 ppbv
RT: 16.449 min Scan# 4306
Delta R.T. -0.029 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



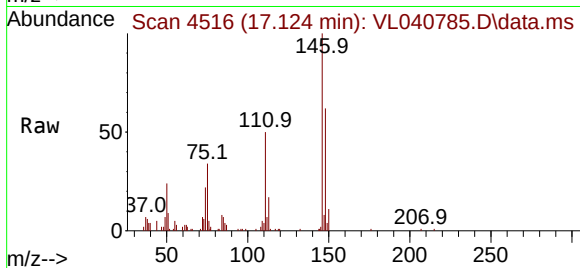
Tgt Ion:146 Resp: 60379
Ion Ratio Lower Upper
146 100
111 52.3 22.0 66.0
148 71.6 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 0.650 ppbv m
RT: 17.124 min Scan# 4516
Delta R.T. -0.026 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

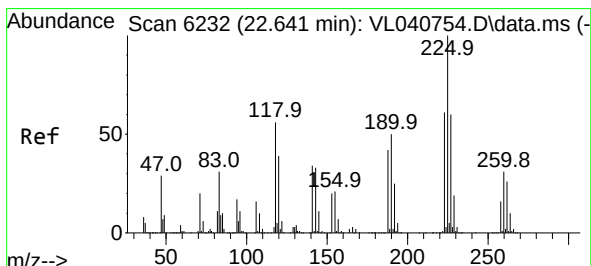
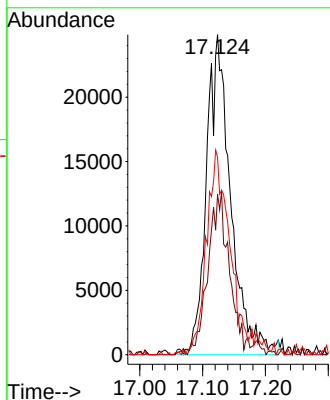
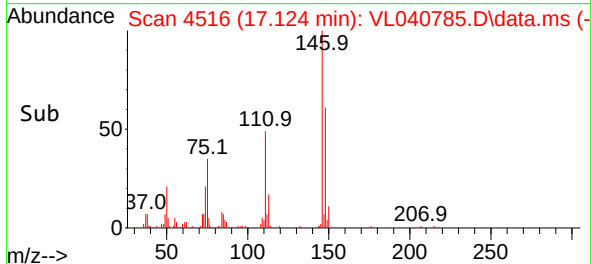
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



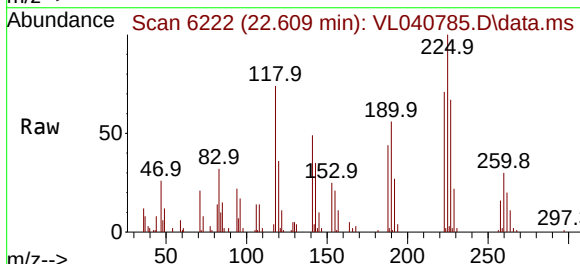
Tgt Ion:146 Resp: 6674
Ion Ratio Lower Upper
146 100
111 0.0 22.9 68.8
148 0.0 32.3 96.8

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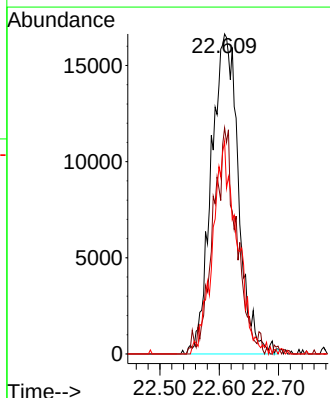
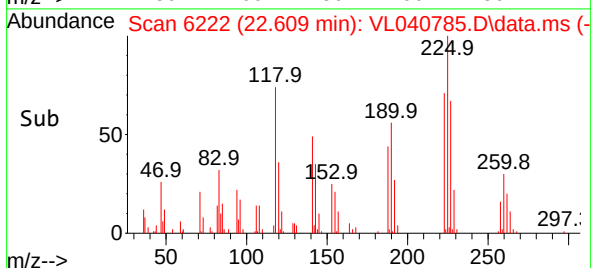
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

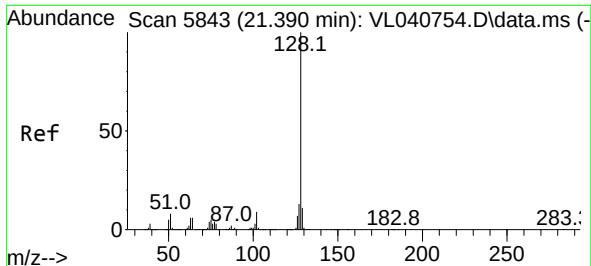


#78
Hexachloro-1,3-Butadiene
Concen: 0.715 ppbv m
RT: 22.609 min Scan# 6222
Delta R.T. -0.032 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



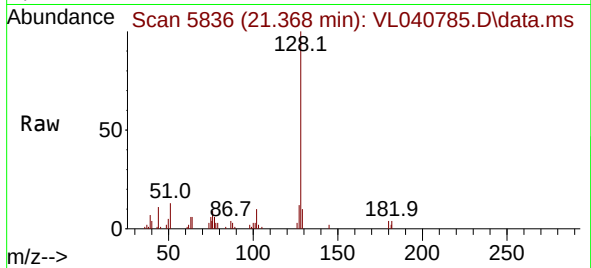
Tgt Ion:225 Resp: 52536
Ion Ratio Lower Upper
225 100
223 62.8 50.7 76.1
227 60.9 51.4 77.0





#79
Naphthalene
Concen: 0.408 ppbv m
RT: 21.368 min Scan# 5836
Delta R.T. -0.022 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15

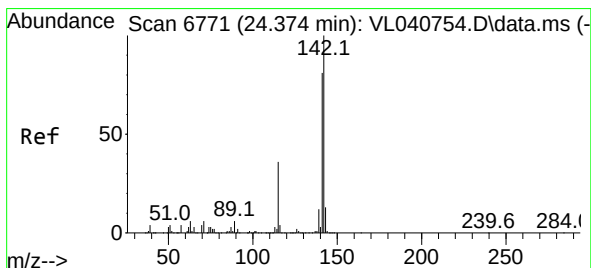
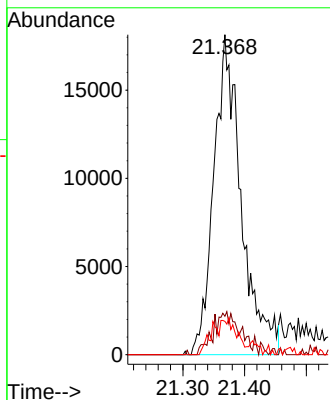
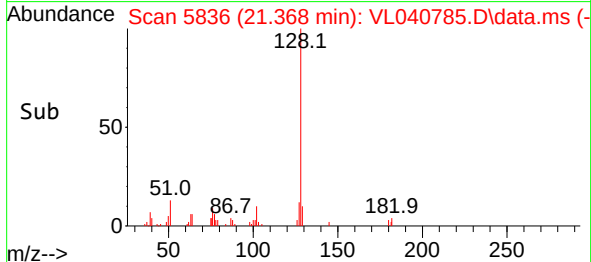
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



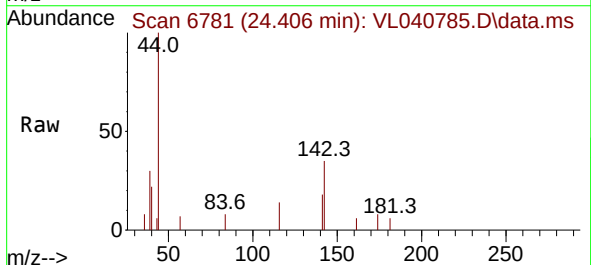
Tgt Ion:128 Resp: 55912
Ion Ratio Lower Upper
128 100
127 12.0 10.6 15.8
129 10.4 9.0 13.4

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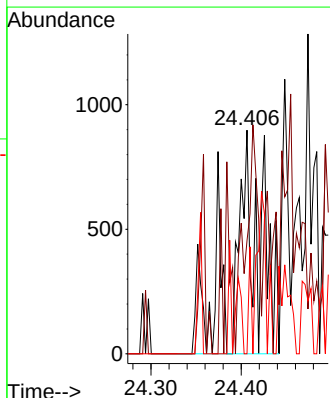
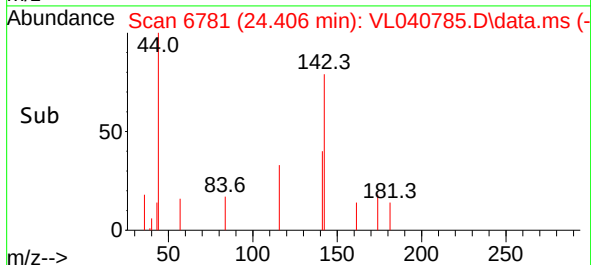
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

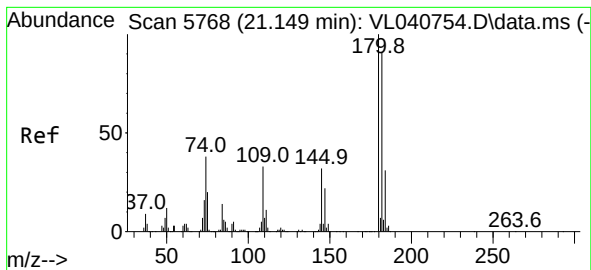


#80
Naphthalene,2-methyl-
Concen: 0.049 ppbv m
RT: 24.406 min Scan# 6781
Delta R.T. 0.032 min
Lab File: VL040785.D
Acq: 23 Oct 2023 19:15



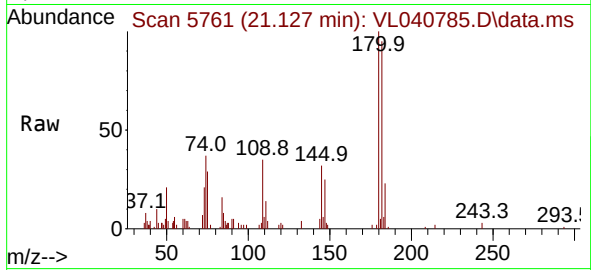
Tgt Ion:142 Resp: 1892
Ion Ratio Lower Upper
142 100
141 16.2 66.3 99.5#
115 8.2 30.0 45.0#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.484 ppbv m
 RT: 21.127 min Scan# 51
 Delta R.T. -0.022 min
 Lab File: VL040785.D
 Acq: 23 Oct 2023 19:15

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion:180 Resp: 3594
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.9 116.9
 184 0.0 25.0 37.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023

