

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040805.D
 Acq On : 25 Oct 2023 18:12
 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 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:53:53 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 : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	899490	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2336843	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	2191415	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1749825 10.852 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	81775	0.516	ppbv	97
3) Chlorodifluoromethane	2.690	51	68365	0.517	ppbv	99
4) Chloromethane	2.825	50	23924	0.458	ppbv	99
5) Vinyl Chloride	2.932	62	21847	0.405	ppbv	98
6) Bromomethane	3.124	94	11345m	0.508	ppbv	
7) Chloroethane	3.205	64	7637	0.435	ppbv	91
8) Dichlorotetrafluoroethane	2.870	85	60655	0.505	ppbv	99
9) Propene	2.710	41	22925	0.467	ppbv	92
10) Heptane	7.571	43	49860	0.404	ppbv	98
11) Trichlorofluoromethane	3.568	101	61896	0.506	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.070	101	41516m	0.476	ppbv	
13) Ethanol	3.266	45	7482m	0.675	ppbv	
14) Bromoethene	3.372	108	16289	0.436	ppbv #	84
15) Acetone	3.491	43	53566m	0.576	ppbv	
16) 1,3-Butadiene	2.993	39	22212m	0.455	ppbv	
17) tert-Butyl alcohol	3.896	59	35264	0.370	ppbv	96
18) 1,1-Dichloroethene	3.883	96	18368	0.470	ppbv #	91
19) Isopropyl Alcohol	3.604	45	26456m	0.442	ppbv	
20) Methylene Chloride	3.938	84	23970	0.619	ppbv #	85
21) Allyl Chloride	4.002	41	25884	0.422	ppbv	87
22) trans-1,2-Dichloroethene	4.446	96	18100m	0.435	ppbv	
23) Vinyl Acetate	4.632	43	40391	0.341	ppbv #	92
24) 1,1-Dichloroethane	4.562	63	38163	0.427	ppbv	97
25) Ethyl Acetate	5.208	43	82368	0.404	ppbv	99
26) Hexane	5.208	57	42076	0.452	ppbv	91
27) Carbon Disulfide	4.128	76	37081	0.361	ppbv #	66
28) Methyl tert-Butyl Ether	4.594	73	25591	0.353	ppbv	92
29) Chloroform	5.266	83	65552	0.487	ppbv	93
30) Cyclohexane	6.584	84	33003m	0.416	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	37367	0.435	ppbv #	85
32) 1,1,1-Trichloroethane	5.992	97	53733	0.375	ppbv #	83
34) 2-Butanone	4.803	43	49419	0.467	ppbv	92
35) Carbon Tetrachloride	6.481	117	61132	0.466	ppbv	90
36) Benzene	6.359	78	79969	0.445	ppbv	97
37) 1,2-Dichloroethane	5.793	62	46109m	0.501	ppbv	
38) Trichloroethene	7.275	130	30539	0.384	ppbv #	89
39) 1,2-Dichloropropane	7.057	63	32007m	0.456	ppbv	
40) 1,4-Dioxane	7.308	88	12928m	0.486	ppbv	
41) Tetrahydrofuran	5.578	42	30469m	0.416	ppbv	
42) Bromodichloromethane	7.234	83	63091	0.458	ppbv	94
43) Methyl Methacrylate	7.468	69	25067	0.348	ppbv #	76
44) 2,2,4-Trimethylpentane	7.314	57	131895m	0.434	ppbv	
45) t-1,3-Dichloropropene	8.706	75	16717m	0.291	ppbv	

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Manual Integrations
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Quant Time: Oct 26 03:53:53 2023

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

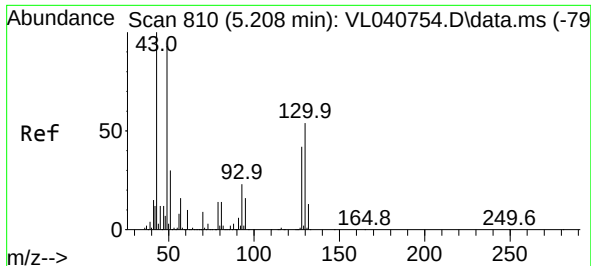
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

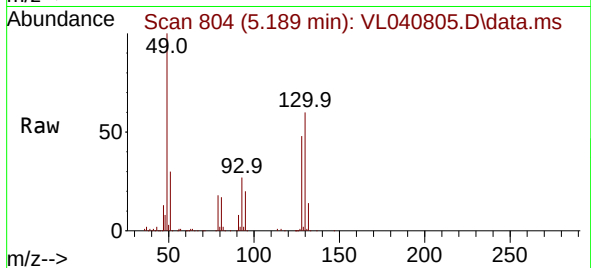
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	23450m	0.335	ppbv	
47) 1,1,2-Trichloroethane	8.883	97	34763m	0.471	ppbv	
48) Dibromochloromethane	9.690	129	47425m	0.384	ppbv	
49) Bromoform	12.388	173	34154	0.340	ppbv	94
50) 4-Methyl-2-Pentanone	8.189	43	72858m	0.403	ppbv	
51) 2-Hexanone	9.571	43	48680m	0.353	ppbv	
52) Tetrachloroethene	10.600	164	30583m	0.419	ppbv	
53) Toluene	9.205	91	81314	0.380	ppbv	98
54) 1,2-Dibromoethane	9.986	107	44769m	0.433	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.487	131	38247m	0.428	ppbv	
57) Chlorobenzene	11.504	112	71250	0.454	ppbv	97
58) Ethyl Benzene	12.073	91	112019	0.406	ppbv	91
59) m/p-Xylene	12.343	91	201602m	0.888	ppbv	
60) o-Xylene	13.037	91	94994	0.439	ppbv	99
61) Styrene	12.876	104	41936	0.350	ppbv	96
62) Isopropylbenzene	14.008	105	144700	0.435	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.028	83	70748	0.436	ppbv	95
64) n-propylbenzene	14.905	120	34757m	0.389	ppbv	
65) tert-Butylbenzene	16.072	119	128184	0.427	ppbv	88
66) Benzyl Chloride	16.301	91	6202m	0.205	ppbv	
67) sec-Butylbenzene	16.609	105	184378m	0.449	ppbv	
69) p-Isopropyltoluene	16.979	119	131175	0.381	ppbv #	93
70) n-Butylbenzene	17.870	91	140281	0.415	ppbv	95
71) 2-Chlorotoluene	14.780	91	105109	0.420	ppbv	97
72) 4-Ethyltoluene	15.172	105	100586	0.397	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.336	105	89818m	0.403	ppbv	
74) 1,2,4-Trimethylbenzene	16.079	105	106121m	0.435	ppbv	
75) 1,3-Dichlorobenzene	16.310	146	62389m	0.412	ppbv	
76) 1,4-Dichlorobenzene	16.449	146	62105m	0.414	ppbv	
77) 1,2-Dichlorobenzene	17.124	146	60211	0.405	ppbv	88
78) Hexachloro-1,3-Butadiene	22.603	225	47457m	0.446	ppbv	
79) Naphthalene	21.368	128	44836m	0.226	ppbv	
81) 1,2,4-Trichlorobenzene	21.130	180	30940m	0.288	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040805.D
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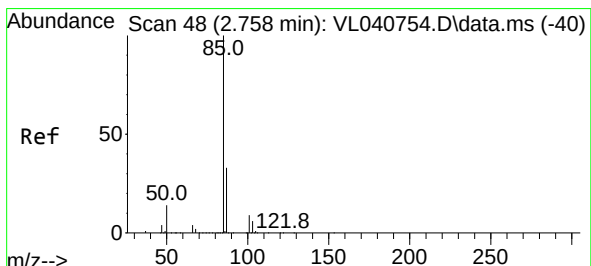
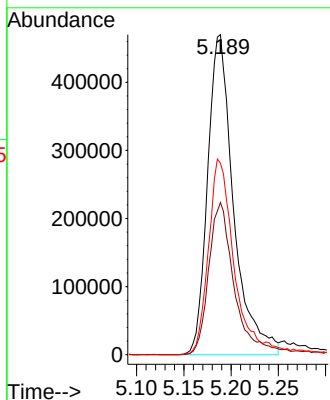
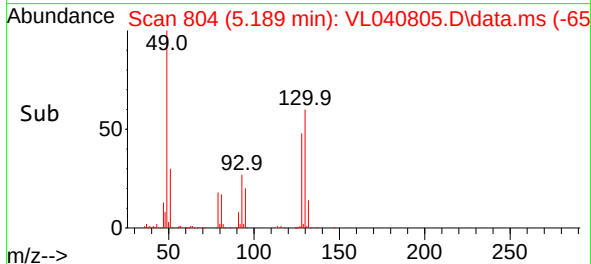
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 899490
Ion Ratio Lower Upper
49 100
128 48.0 23.9 71.7
130 62.8 30.7 92.1

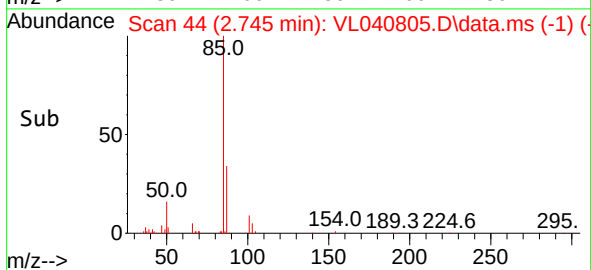
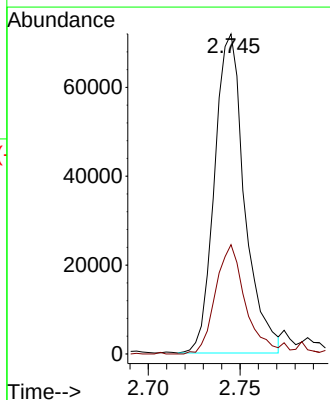
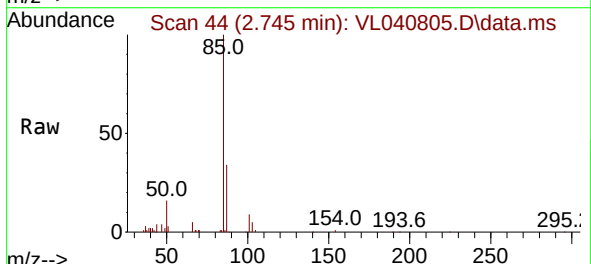
Manual Integrations
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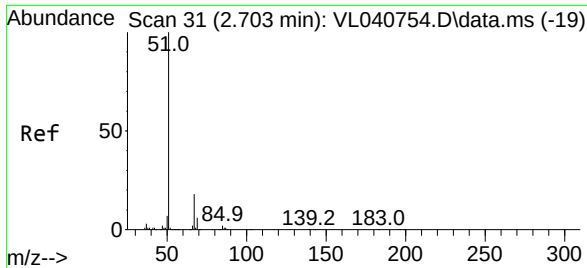
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#2
Dichlorodifluoromethane
Concen: 0.516 ppbv
RT: 2.745 min Scan# 44
Delta R.T. -0.013 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion: 85 Resp: 81775
Ion Ratio Lower Upper
85 100
87 34.3 26.0 39.0





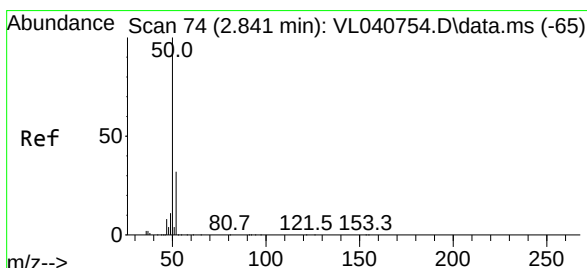
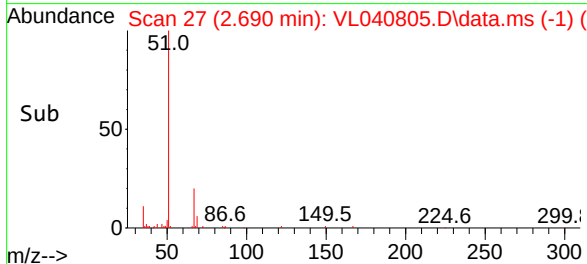
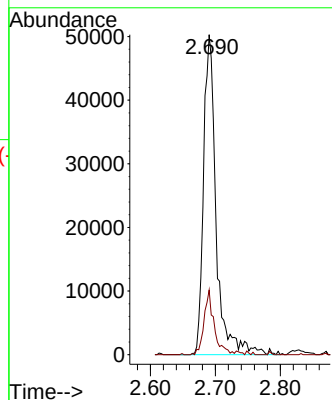
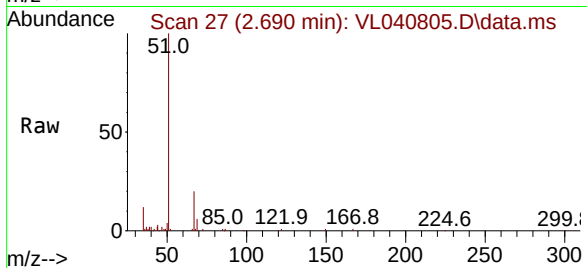
#3
Chlorodifluoromethane
Concen: 0.517 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 51 Resp: 6836
Ion Ratio Lower Upper
51 100
67 17.0 13.8 20.6

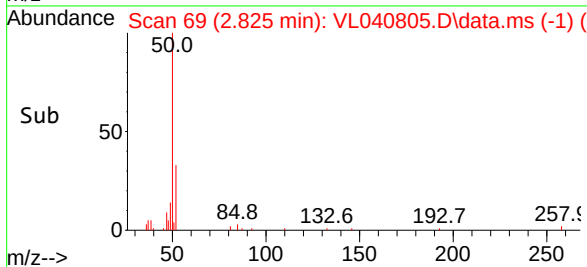
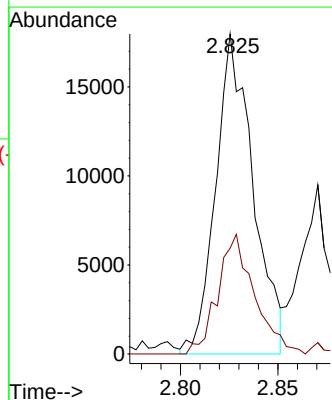
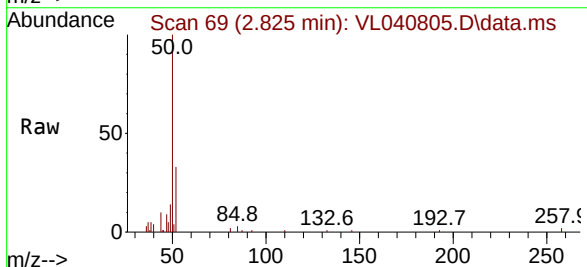
Manual Integrations
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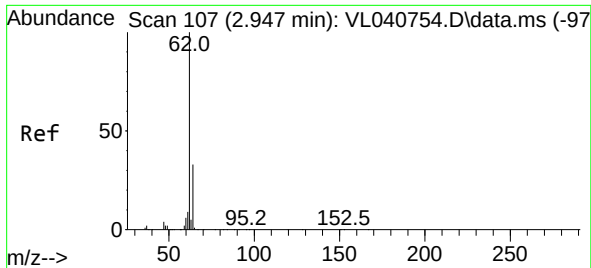
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#4
Chloromethane
Concen: 0.458 ppbv
RT: 2.825 min Scan# 69
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

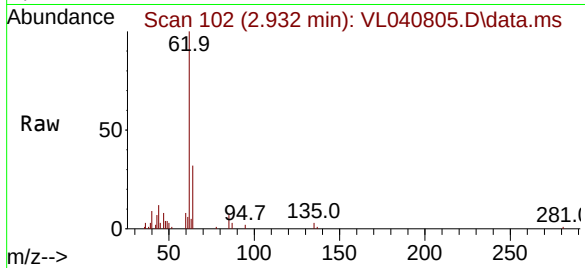
Tgt Ion: 50 Resp: 23924
Ion Ratio Lower Upper
50 100
52 32.3 25.3 37.9





#5
 Vinyl Chloride
 Concen: 0.405 ppbv
 RT: 2.932 min Scan# 107
 Delta R.T. -0.016 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

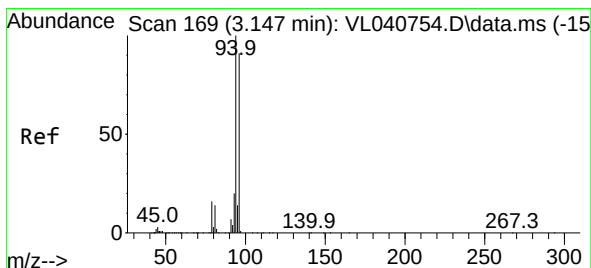
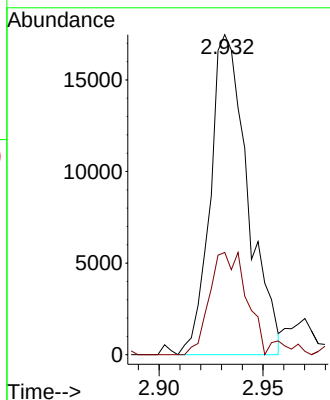
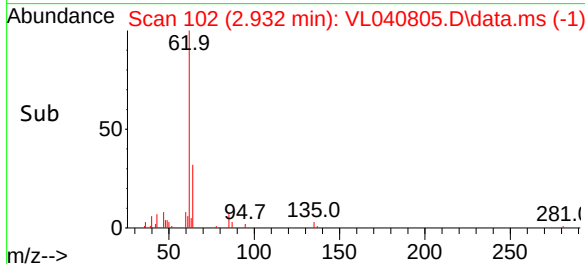
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



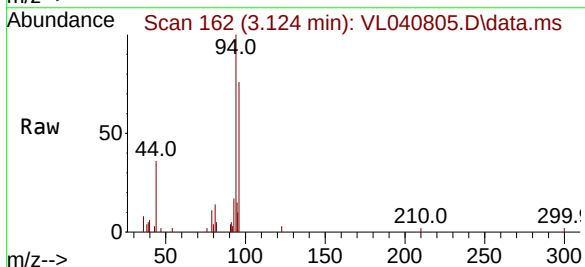
Tgt Ion: 62 Resp: 2184
 Ion Ratio Lower Upper
 62 100
 64 31.9 26.6 39.8

Manual Integrations
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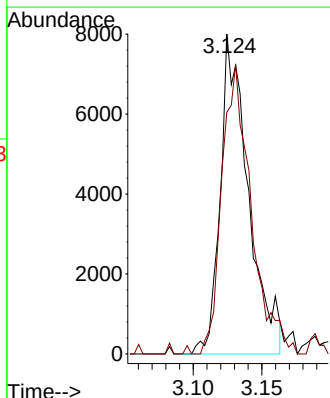
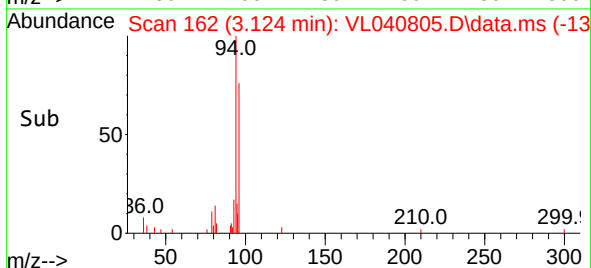
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

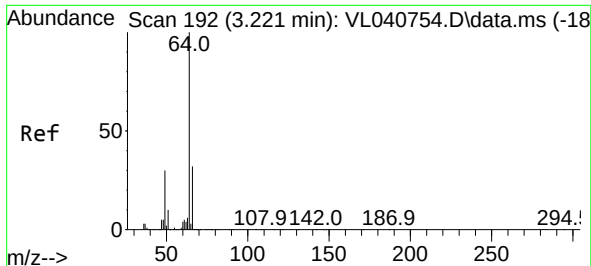


#6
 Bromomethane
 Concen: 0.508 ppbv m
 RT: 3.124 min Scan# 162
 Delta R.T. -0.022 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12



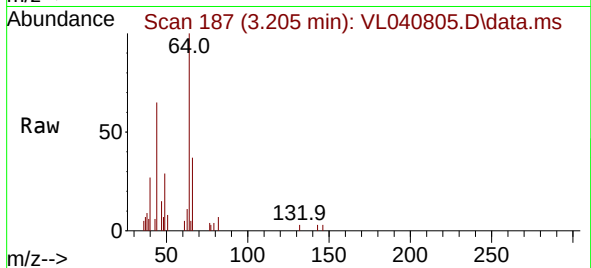
Tgt Ion: 94 Resp: 11345
 Ion Ratio Lower Upper
 94 100
 96 75.6 72.6 109.0





#7
Chloroethane
Concen: 0.435 ppbv
RT: 3.205 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

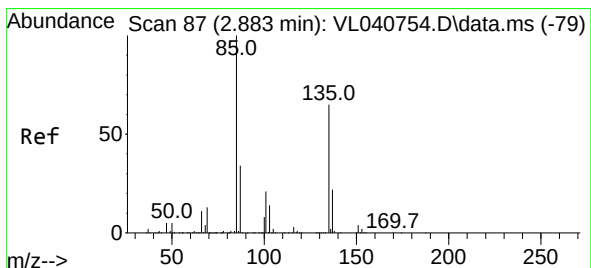
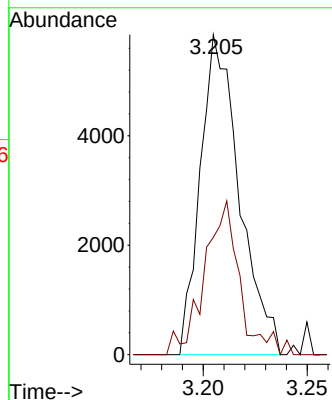
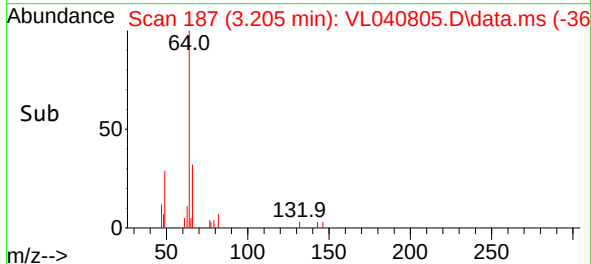
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 763
Ion Ratio Lower Upper
64 100
66 36.7 25.4 38.2

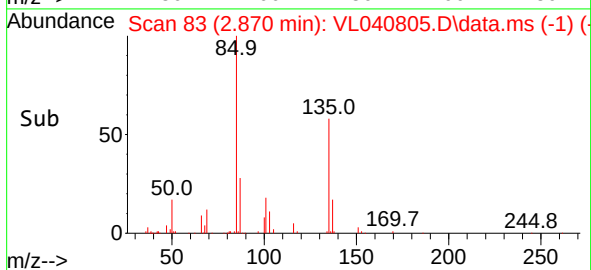
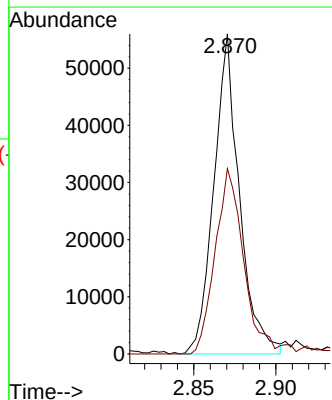
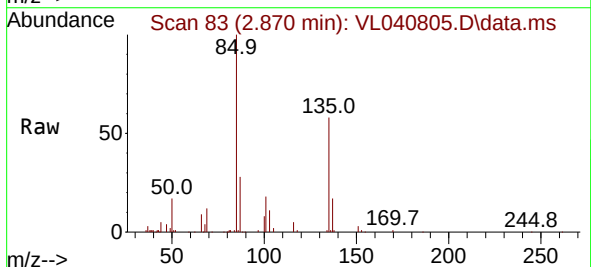
Manual Integrations
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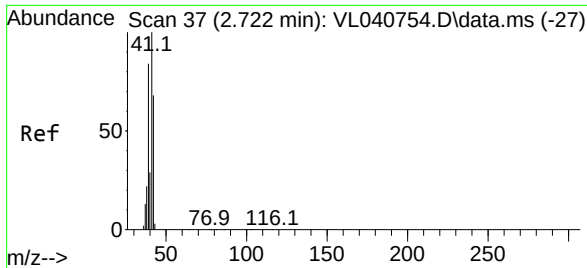
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#8
Dichlorotetrafluoroethane
Concen: 0.505 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.013 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion: 85 Resp: 60655
Ion Ratio Lower Upper
85 100
135 68.1 55.4 83.2





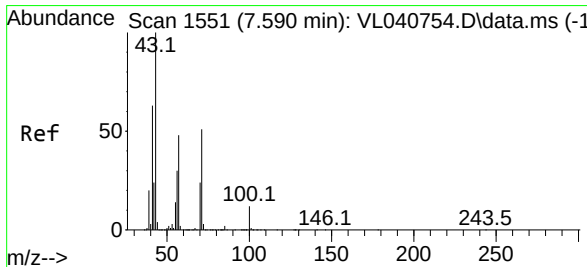
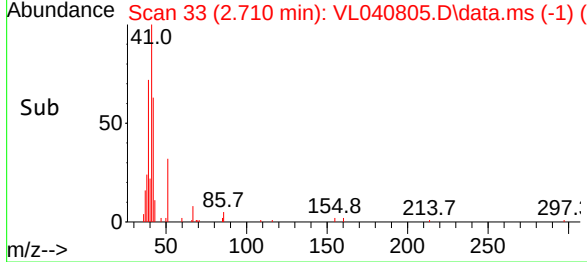
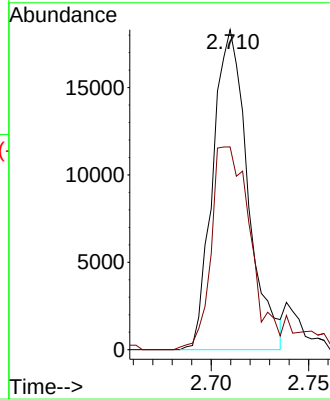
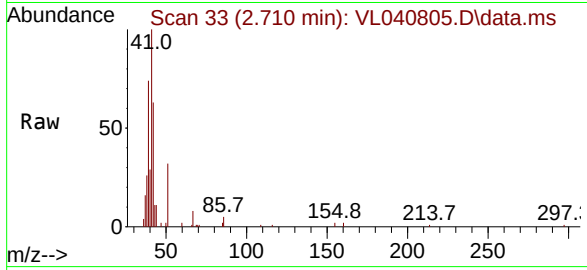
#9
Propene
Concen: 0.467 ppbv
RT: 2.710 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 41 Resp: 22925
Ion Ratio Lower Upper
41 100
42 77.9 57.1 85.7

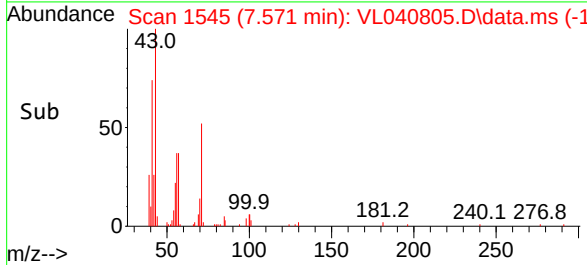
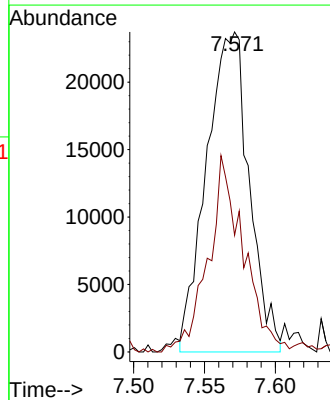
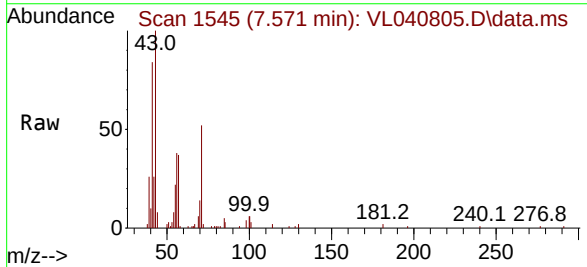
Manual Integrations
APPROVED

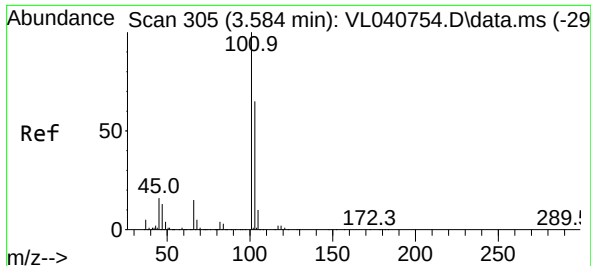
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#10
Heptane
Concen: 0.404 ppbv
RT: 7.571 min Scan# 1545
Delta R.T. -0.019 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

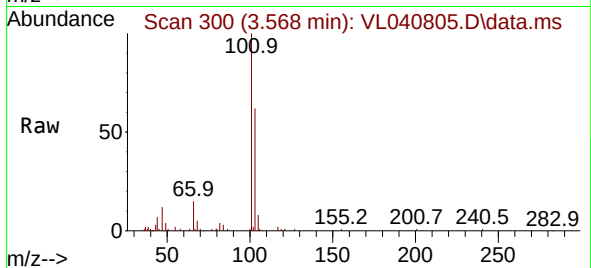
Tgt Ion: 43 Resp: 49860
Ion Ratio Lower Upper
43 100
57 51.7 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.506 ppbv
RT: 3.568 min Scan# 305
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

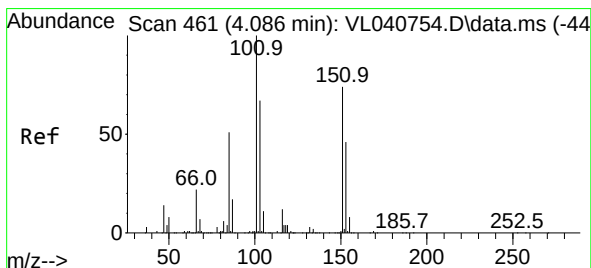
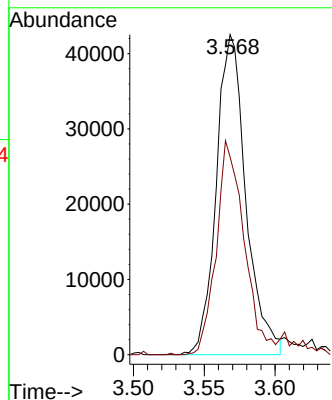
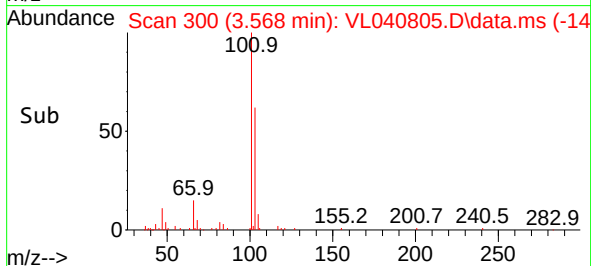
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 61890
Ion Ratio Lower Upper
101 100
103 61.7 52.2 78.2

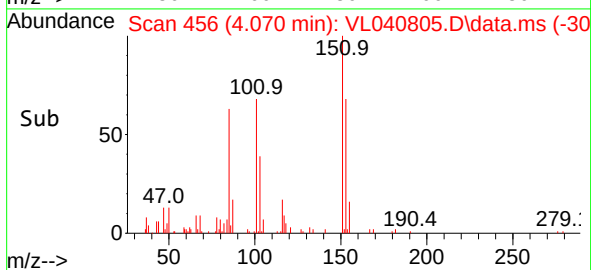
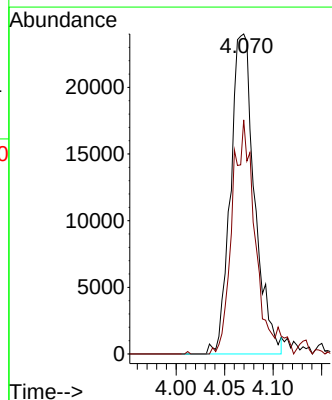
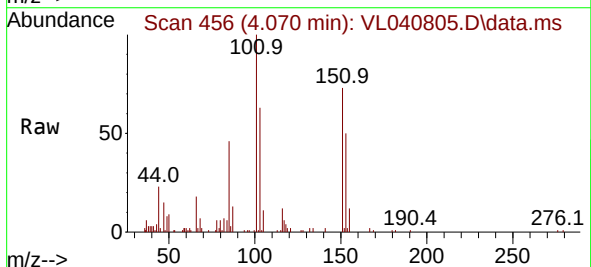
Manual Integrations
APPROVED

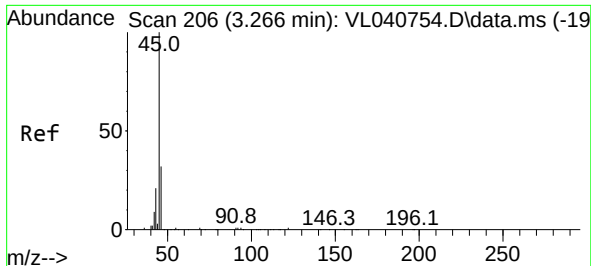
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.476 ppbv m
RT: 4.070 min Scan# 456
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion:101 Resp: 41516
Ion Ratio Lower Upper
101 100
151 72.9 58.1 87.1





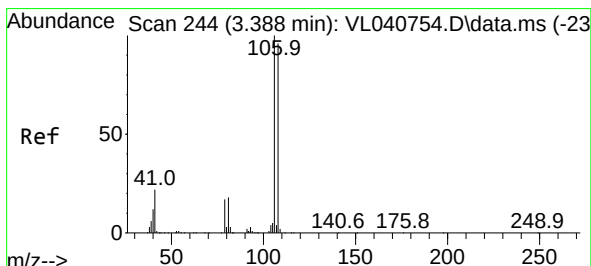
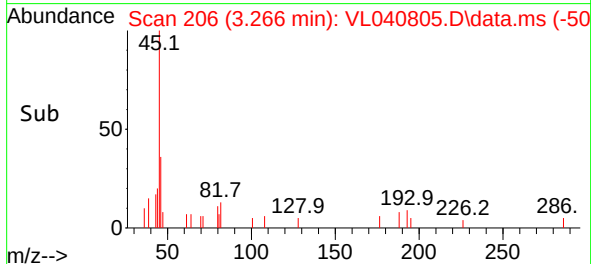
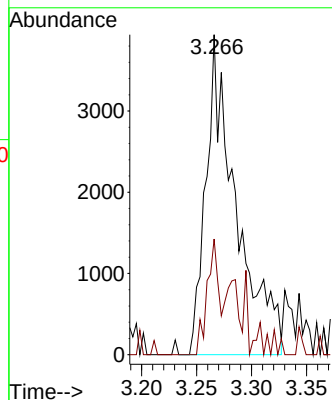
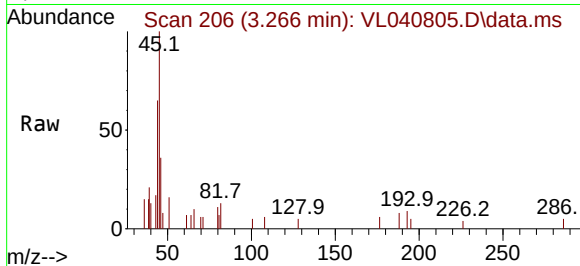
#13
Ethanol
Concen: 0.675 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.000 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 45 Resp: 748
Ion Ratio Lower Upper
45 100
46 30.3 14.6 58.2

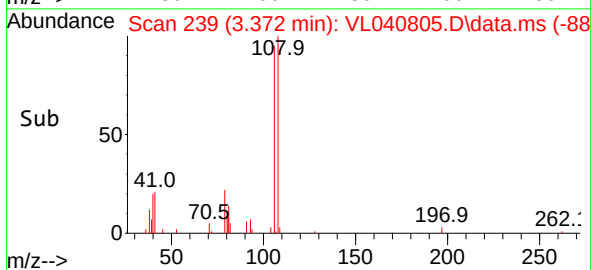
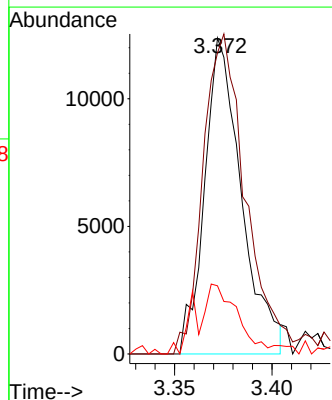
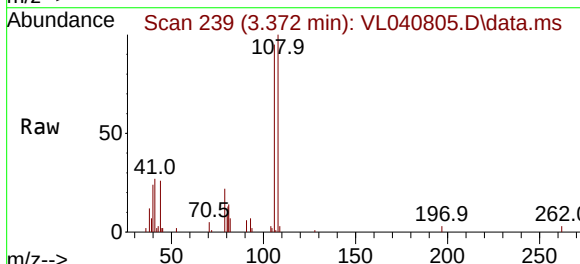
Manual Integrations
APPROVED

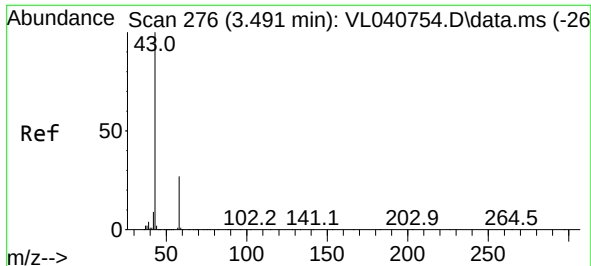
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#14
Bromoethene
Concen: 0.436 ppbv
RT: 3.372 min Scan# 239
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

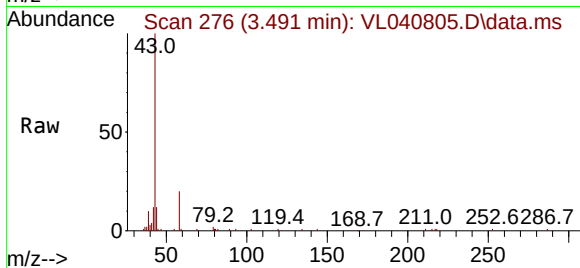
Tgt Ion:108 Resp: 16289
Ion Ratio Lower Upper
108 100
106 123.3 85.2 127.8
79 26.8 15.7 23.5#





#15
Acetone
Concen: 0.576 ppbv m
RT: 3.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

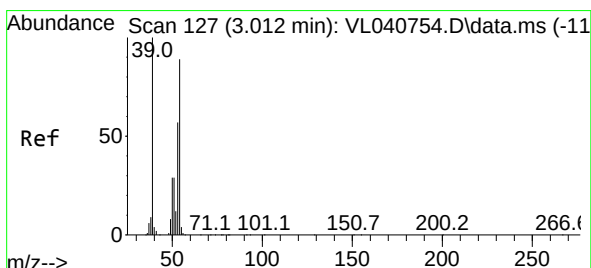
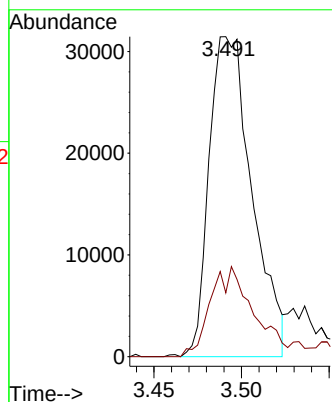
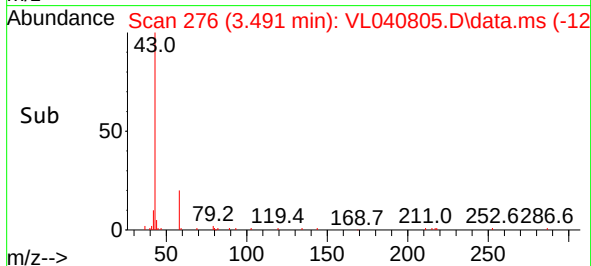
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



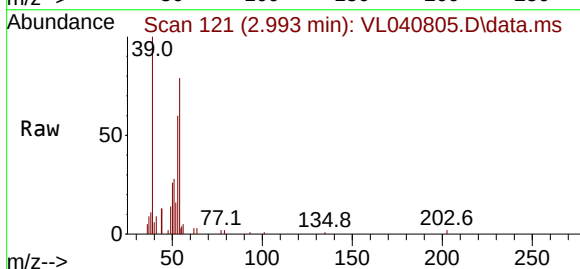
Tgt Ion: 43 Resp: 53560
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4

Manual Integrations
APPROVED

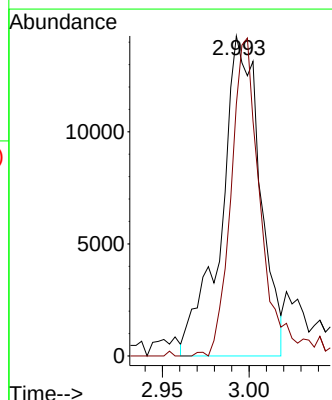
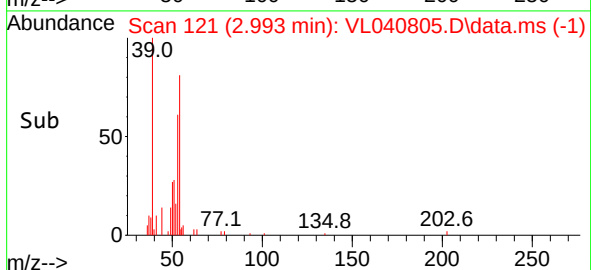
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

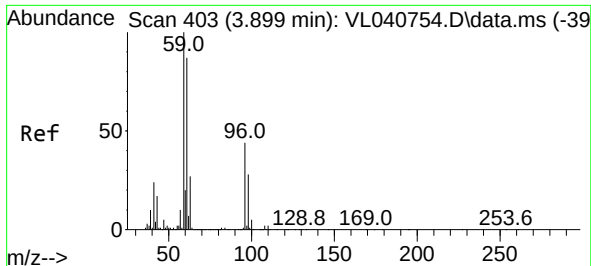


#16
1,3-Butadiene
Concen: 0.455 ppbv m
RT: 2.993 min Scan# 121
Delta R.T. -0.019 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12



Tgt Ion: 39 Resp: 22212
Ion Ratio Lower Upper
39 100
54 80.2 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.370 ppbv

RT: 3.896 min Scan# 403

Delta R.T. -0.003 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

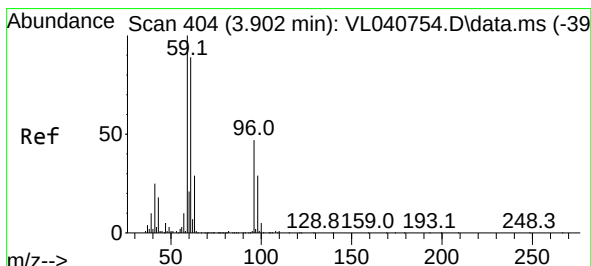
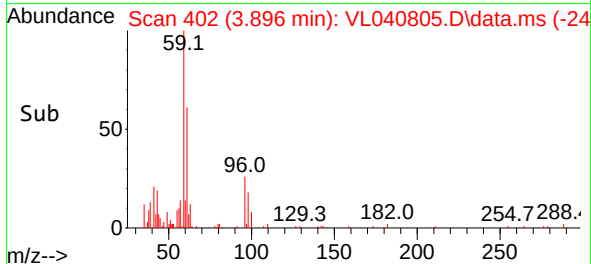
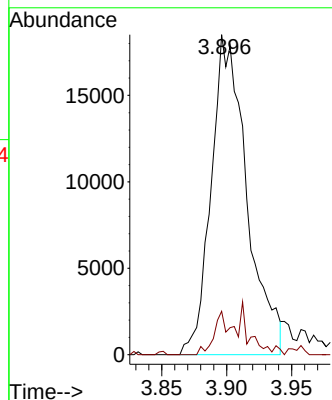
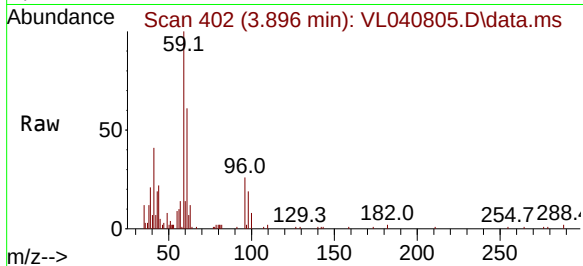
MDL-AIR-03-QT4-2023DL

Tgt Ion: 59 Resp: 35264
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#18

1,1-Dichloroethene

Concen: 0.470 ppbv

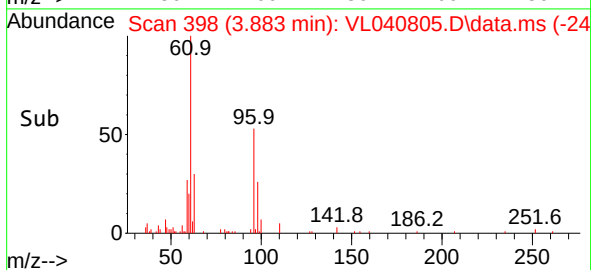
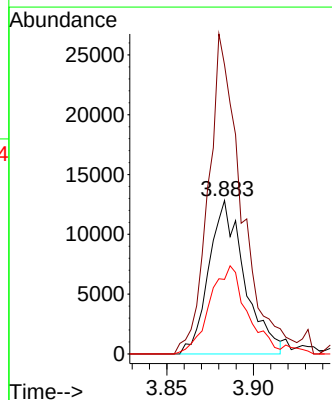
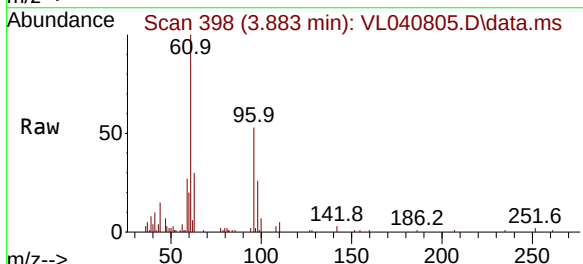
RT: 3.883 min Scan# 398

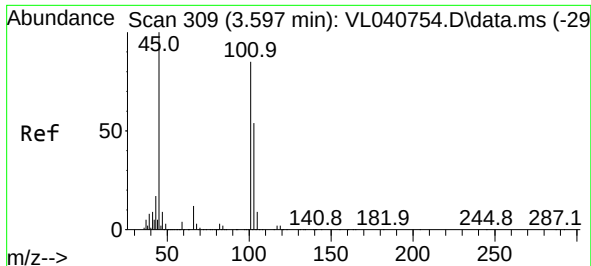
Delta R.T. -0.019 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

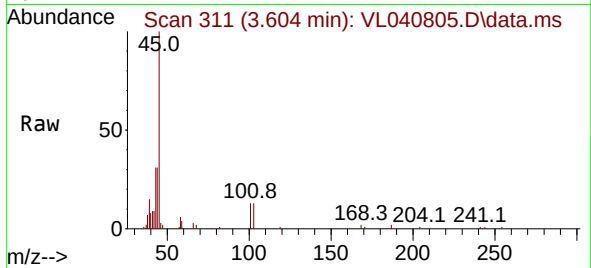
Tgt Ion: 96 Resp: 18368
 Ion Ratio Lower Upper
 96 100
 61 181.5 152.5 228.7
 98 47.2 49.6 74.4#





#19
Isopropyl Alcohol
Concen: 0.442 ppbv m
RT: 3.604 min Scan# 311
Delta R.T. 0.007 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

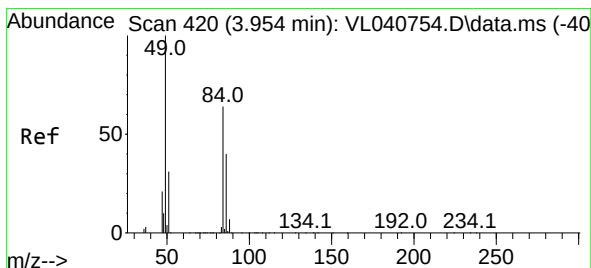
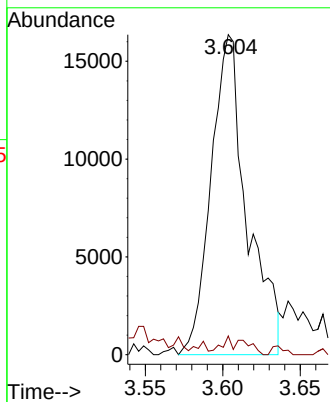
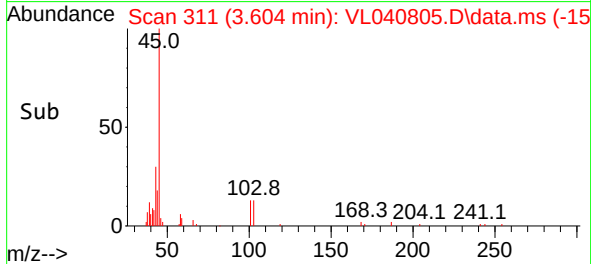
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 45 Resp: 26450
Ion Ratio Lower Upper
45 100
58 5.8 30.3 45.5

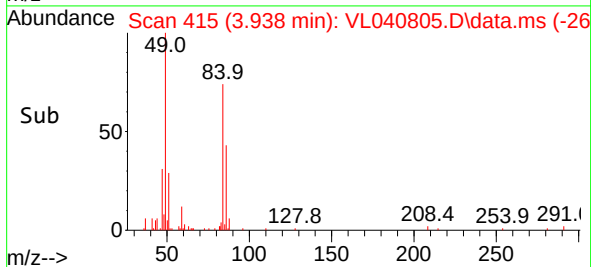
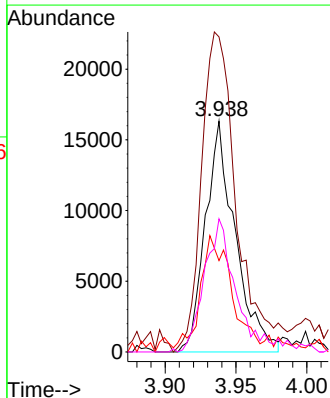
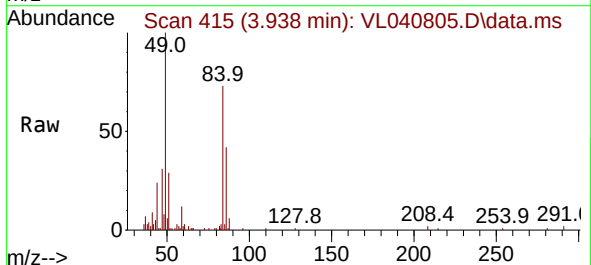
Manual Integrations
APPROVED

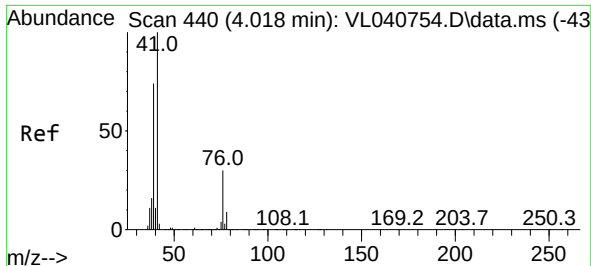
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#20
Methylene Chloride
Concen: 0.619 ppbv
RT: 3.938 min Scan# 415
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

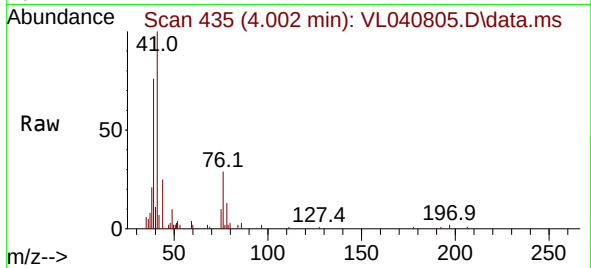
Tgt Ion: 84 Resp: 23970
Ion Ratio Lower Upper
84 100
49 134.5 125.6 188.4
51 36.6 38.9 58.3#
86 57.7 50.6 76.0





#21
 Allyl Chloride
 Concen: 0.422 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

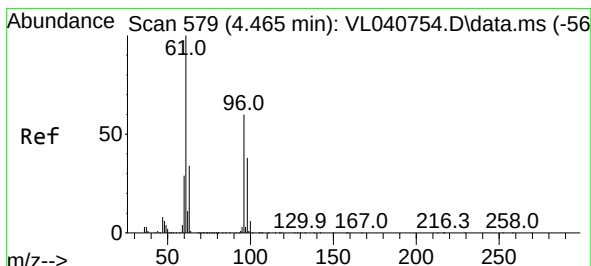
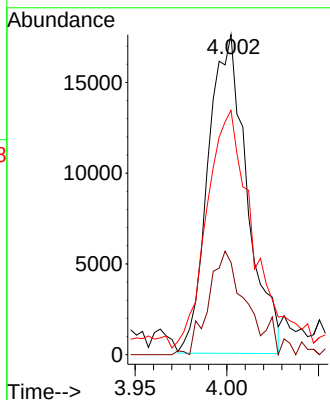
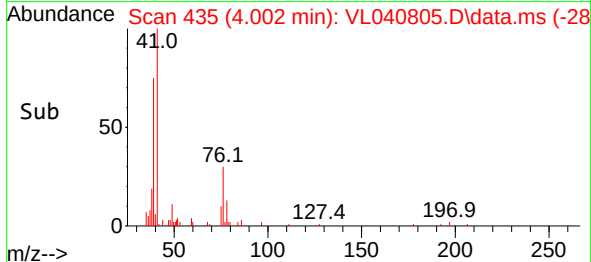
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 41 Resp: 25884
 Ion Ratio Lower Upper
 41 100
 76 33.8 24.1 36.1
 39 93.5 63.8 95.6

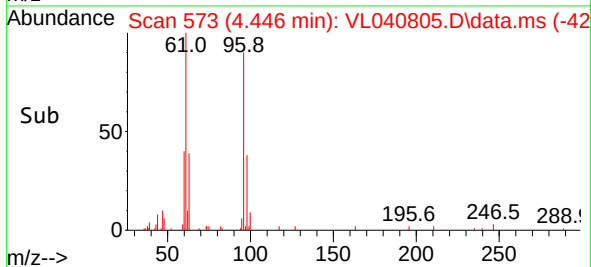
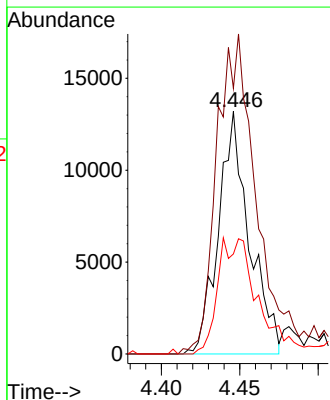
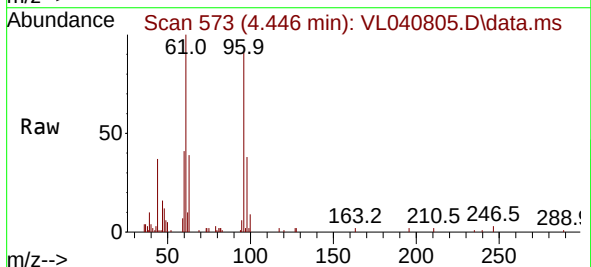
Manual Integrations
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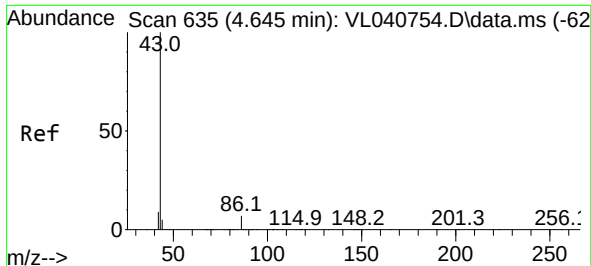
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.435 ppbv m
 RT: 4.446 min Scan# 573
 Delta R.T. -0.019 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

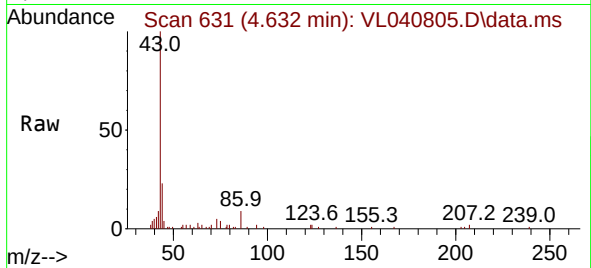
Tgt Ion: 96 Resp: 18100
 Ion Ratio Lower Upper
 96 100
 61 109.5 134.0 201.0#
 98 41.2 51.0 76.4#





#23
 Vinyl Acetate
 Concen: 0.341 ppbv
 RT: 4.632 min Scan# 609
 Delta R.T. -0.013 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

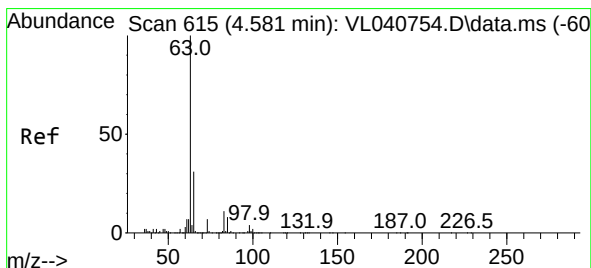
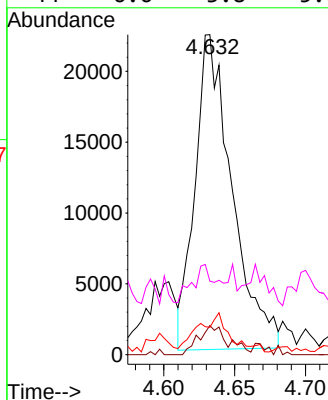
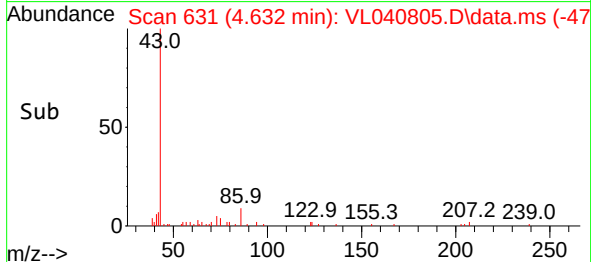
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 4039
 Ion Ratio Lower Upper
 43 100
 86 9.8 4.9 7.3
 42 7.1 7.8 11.6
 44 6.6 3.8 5.6

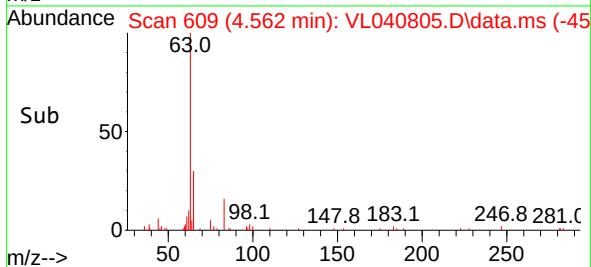
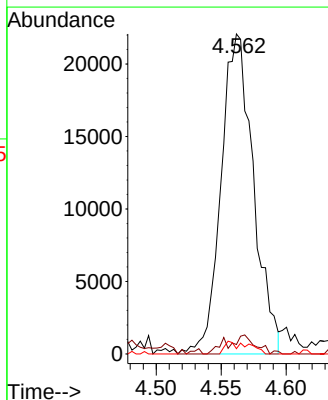
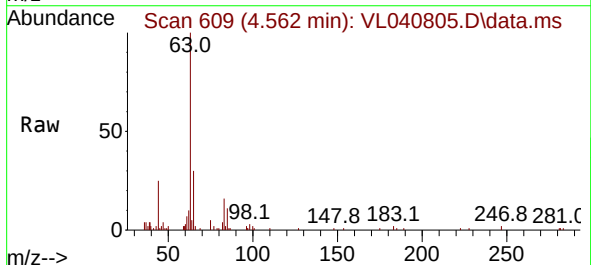
Manual Integrations
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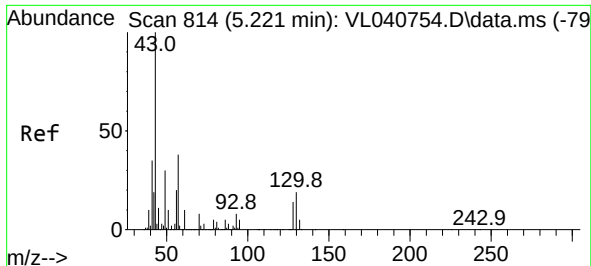
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#24
 1,1-Dichloroethane
 Concen: 0.427 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.019 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

Tgt Ion: 63 Resp: 38163
 Ion Ratio Lower Upper
 63 100
 98 3.0 2.0 5.8
 100 1.6 1.3 3.8





#25

Ethyl Acetate

Concen: 0.404 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.013 min

Lab File: VL040805.D

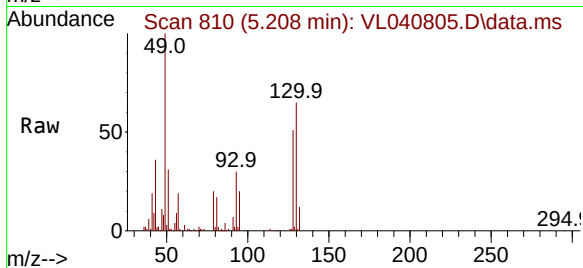
Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 8236

Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.4

61 10.5 8.2 12.2

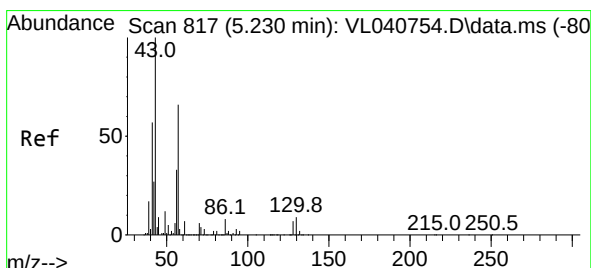
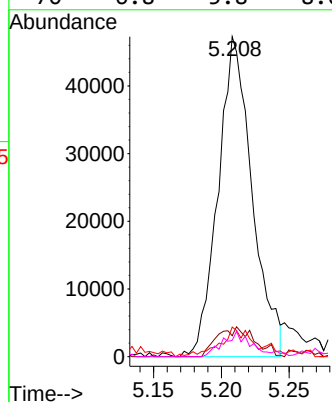
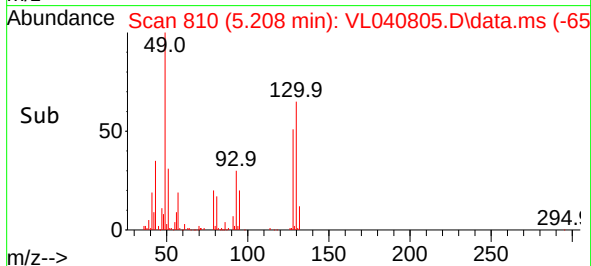
70 6.8 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#26

Hexane

Concen: 0.452 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.022 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Tgt Ion: 57 Resp: 42076

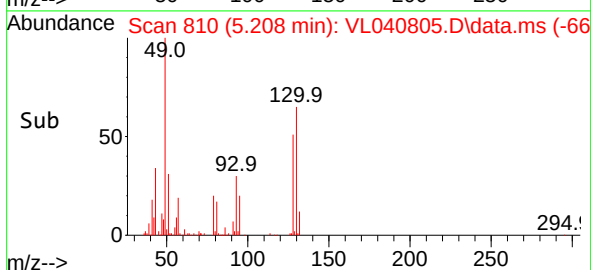
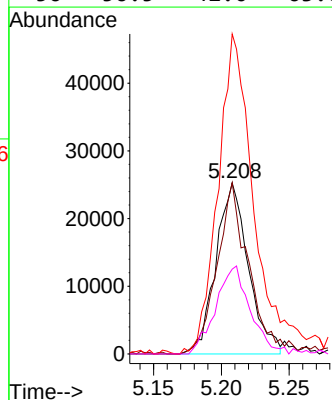
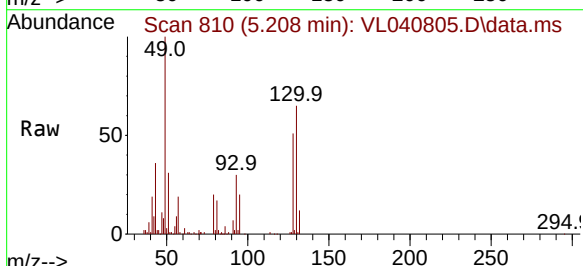
Ion Ratio Lower Upper

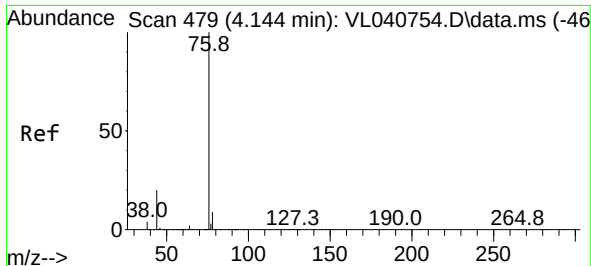
57 100

41 104.3 71.4 107.2

43 216.1 182.3 273.5

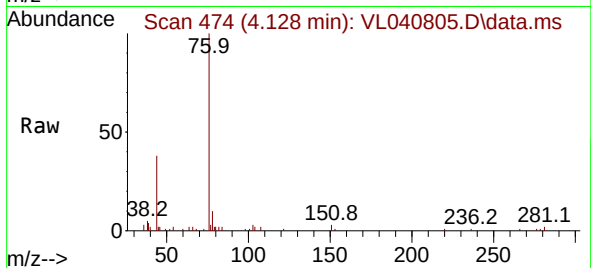
56 56.5 42.0 63.0





#27
Carbon Disulfide
Concen: 0.361 ppbv
RT: 4.128 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

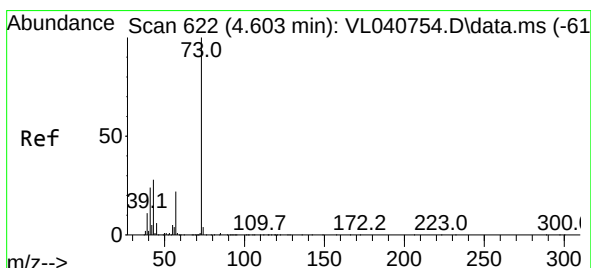
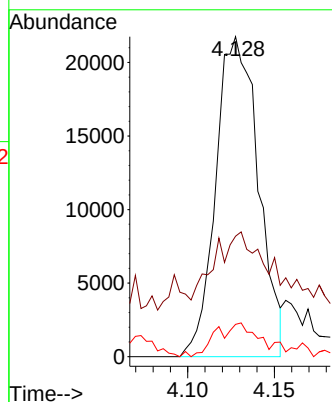
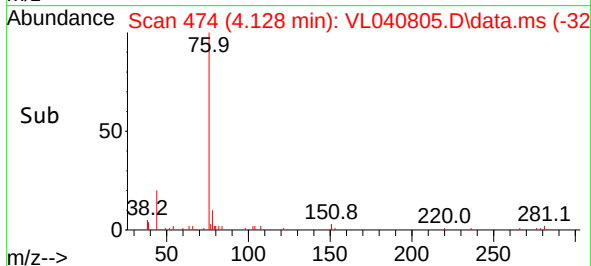
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 3708
Ion Ratio Lower Upper
76 100
44 41.3 16.6 25.0
78 13.7 7.8 11.6

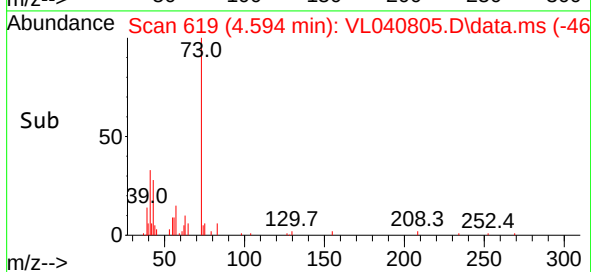
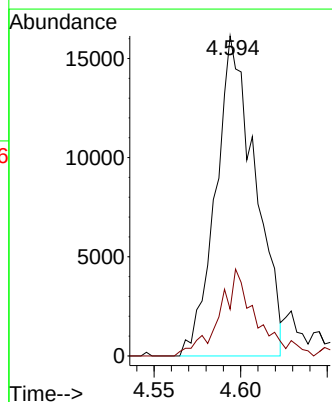
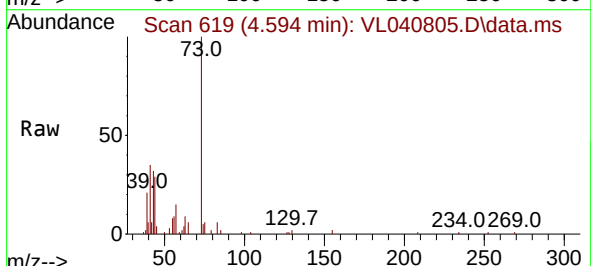
Manual Integrations
APPROVED

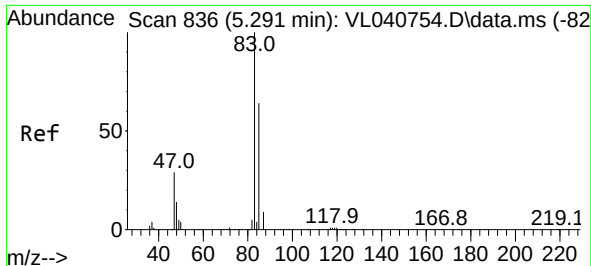
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#28
Methyl tert-Butyl Ether
Concen: 0.353 ppbv
RT: 4.594 min Scan# 619
Delta R.T. -0.009 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion: 73 Resp: 25591
Ion Ratio Lower Upper
73 100
57 27.5 18.9 28.3





#29

Chloroform

Concen: 0.487 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.026 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 6555

Ion Ratio Lower Upper

83 100

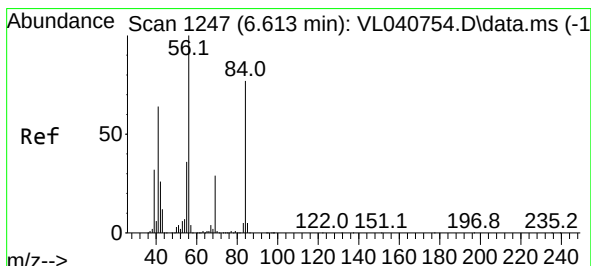
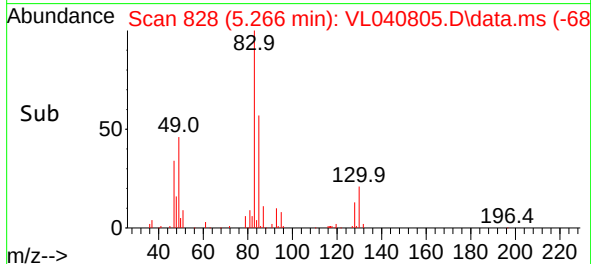
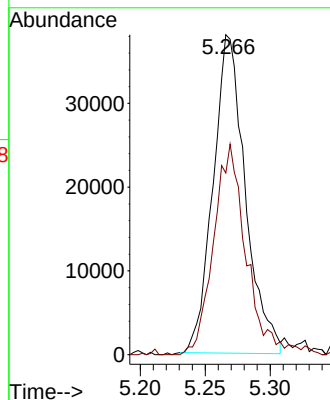
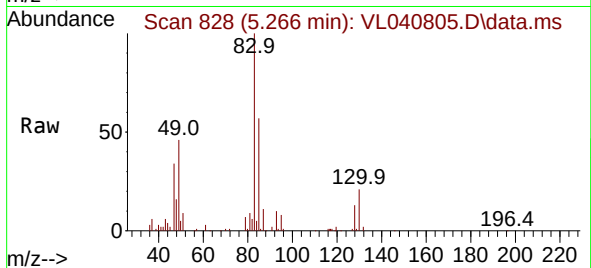
85 58.4 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#30

Cyclohexane

Concen: 0.416 ppbv m

RT: 6.584 min Scan# 1238

Delta R.T. -0.029 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

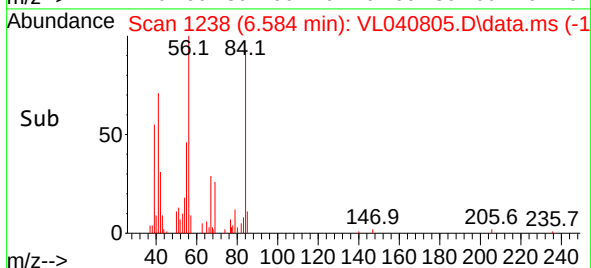
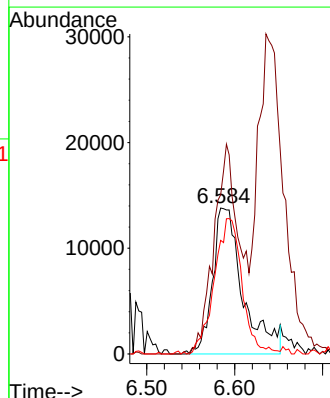
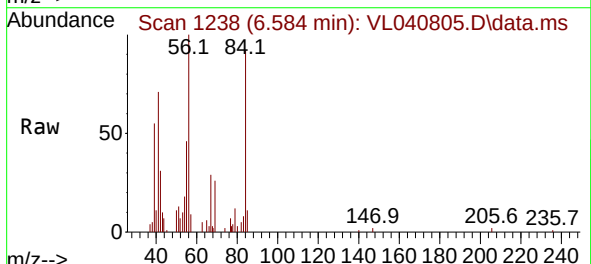
Tgt Ion: 84 Resp: 33003

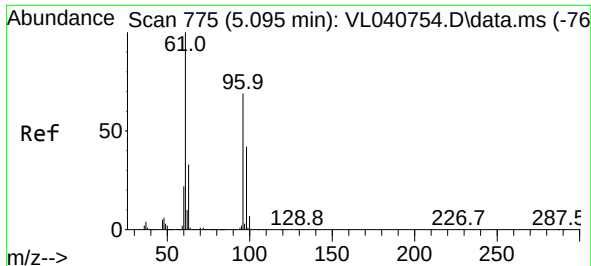
Ion Ratio Lower Upper

84 100

56 109.3 110.3 165.5#

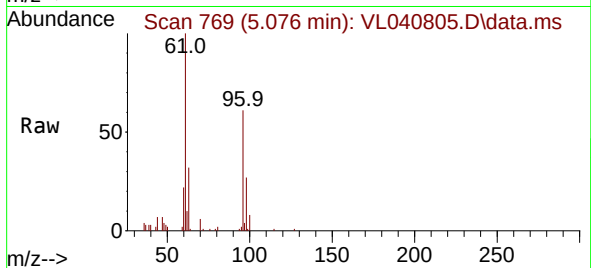
41 86.8 67.4 101.2





#31
 cis-1,2-Dichloroethene
 Concen: 0.435 ppbv
 RT: 5.076 min Scan# 71
 Delta R.T. -0.019 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

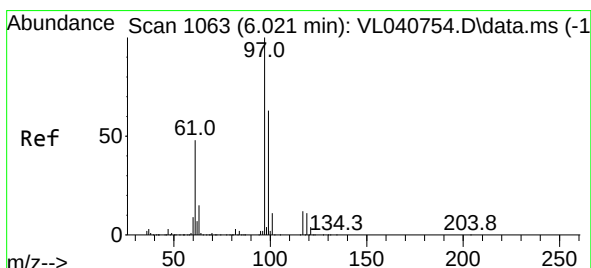
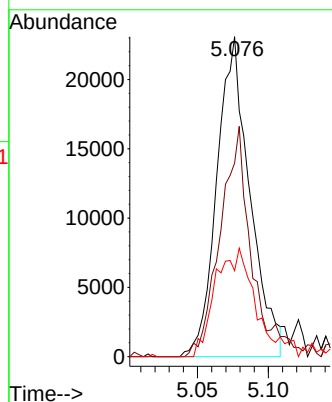
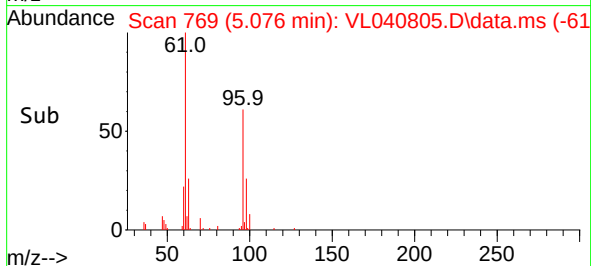
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 61 Resp: 3736
 Ion Ratio Lower Upper
 61 100
 96 60.5 55.1 82.7
 98 27.8 33.5 50.3

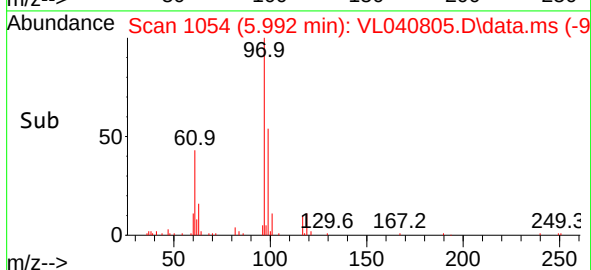
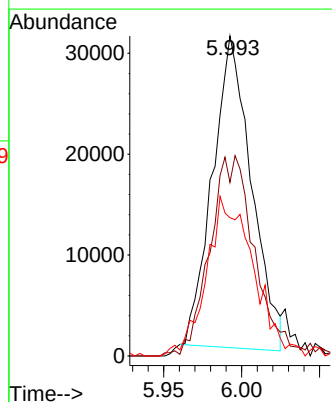
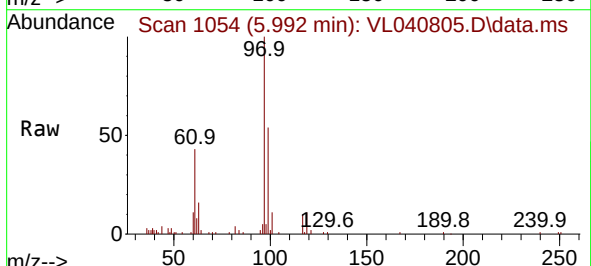
Manual Integrations
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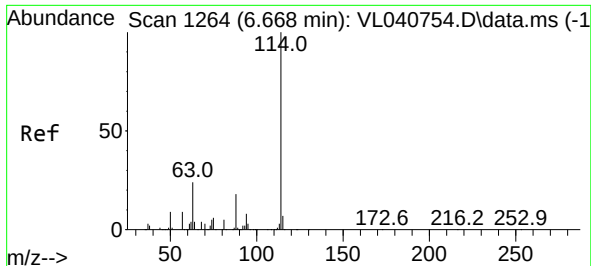
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.375 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. -0.029 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

Tgt Ion: 97 Resp: 53733
 Ion Ratio Lower Upper
 97 100
 99 75.5 51.8 77.6
 61 63.2 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: VL040805.D

Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 233684

Ion Ratio Lower Upper

114 100

63 25.4 19.8 29.6

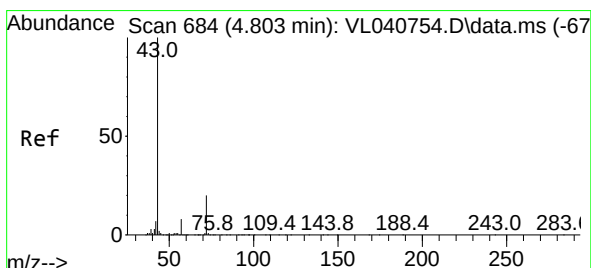
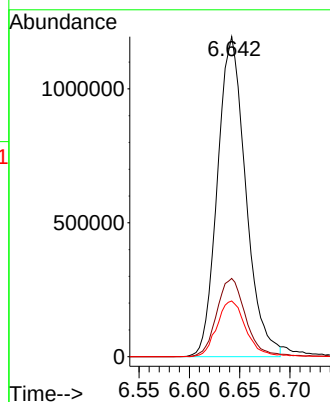
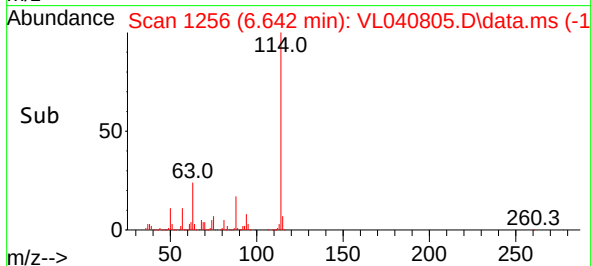
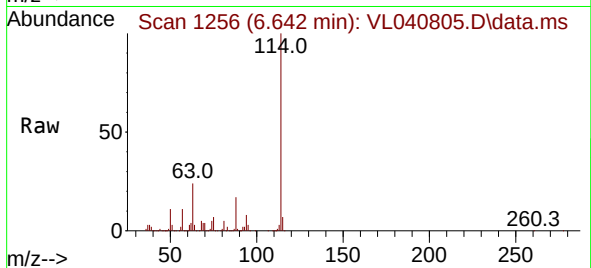
88 18.1 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#34

2-Butanone

Concen: 0.467 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.000 min

Lab File: VL040805.D

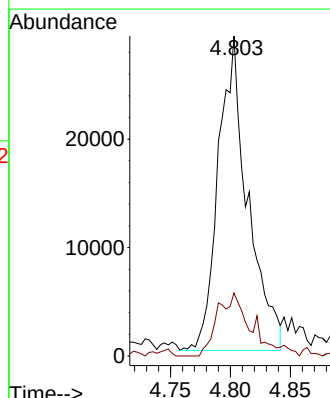
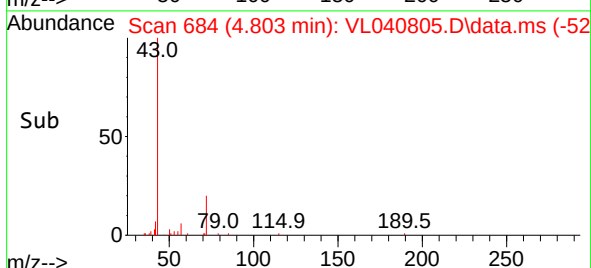
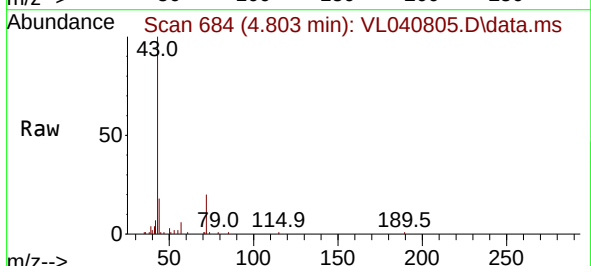
Acq: 25 Oct 2023 18:12

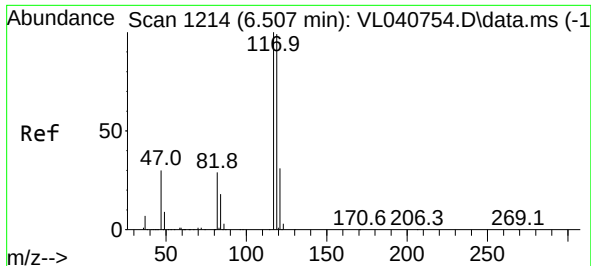
Tgt Ion: 43 Resp: 49419

Ion Ratio Lower Upper

43 100

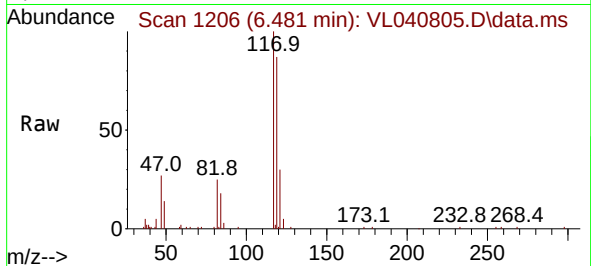
72 24.6 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.466 ppbv
RT: 6.481 min Scan# 1117
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

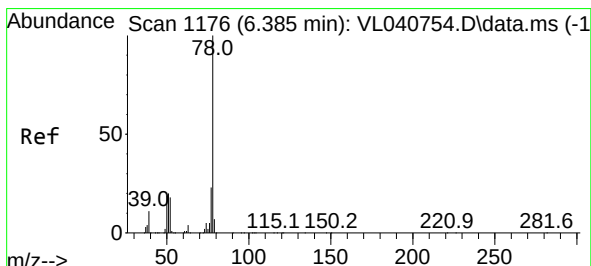
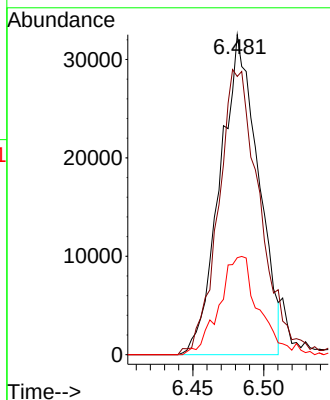
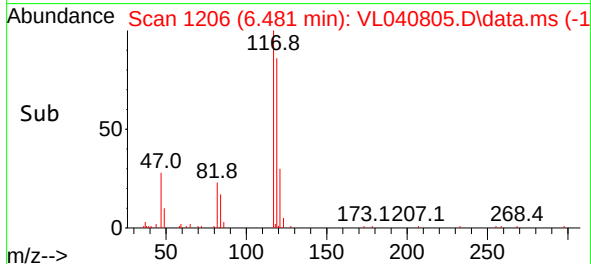
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:117 Resp: 61132
Ion Ratio Lower Upper
117 100
119 87.0 79.4 119.0
121 30.3 25.0 37.4

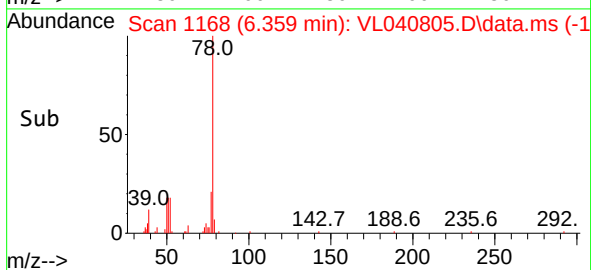
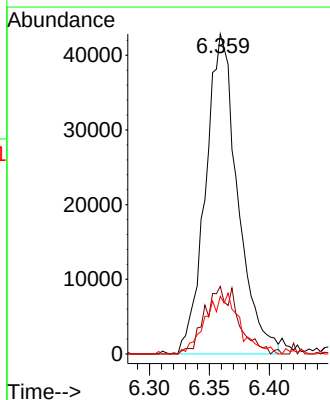
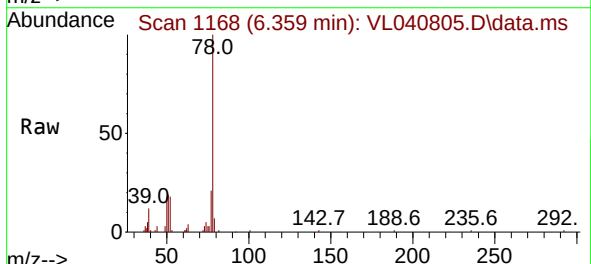
Manual Integrations
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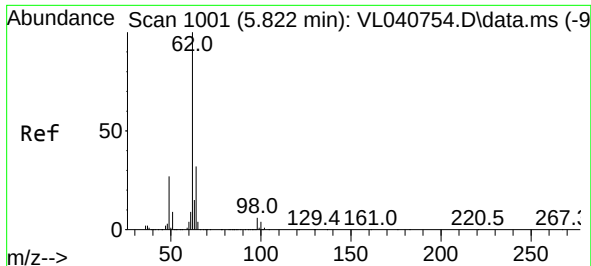
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#36
Benzene
Concen: 0.445 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

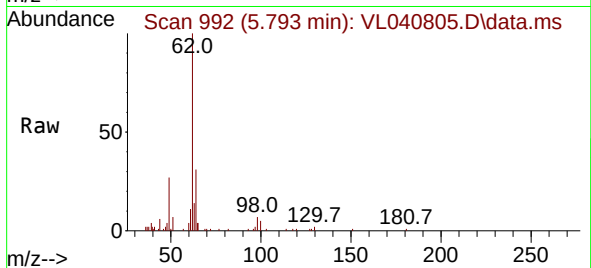
Tgt Ion: 78 Resp: 79969
Ion Ratio Lower Upper
78 100
77 21.1 18.4 27.6
50 18.0 15.0 22.4





#37
1,2-Dichloroethane
Concen: 0.501 ppbv m
RT: 5.793 min Scan# 992
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

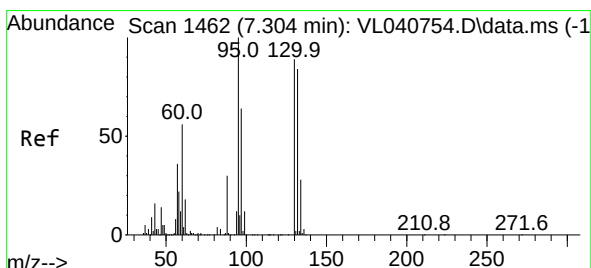
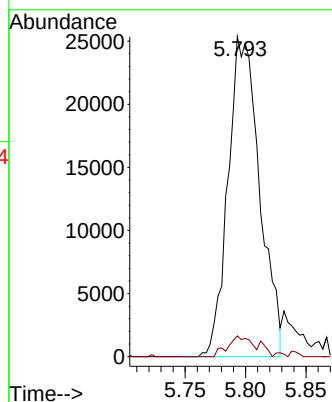
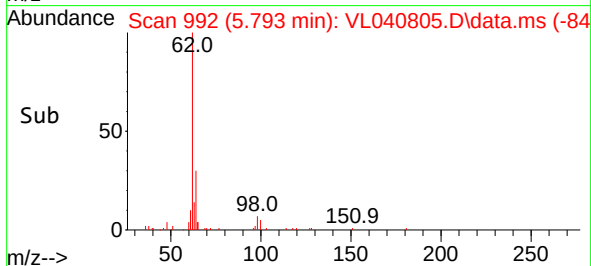
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 62 Resp: 46109
Ion Ratio Lower Upper
62 100
98 0.0 5.4 8.0

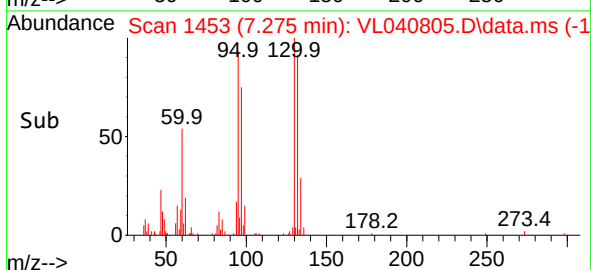
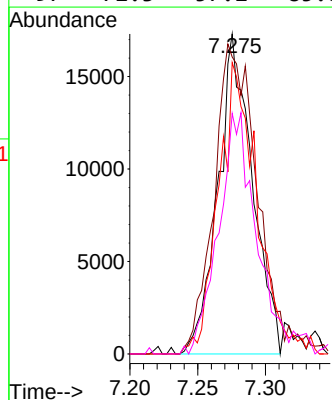
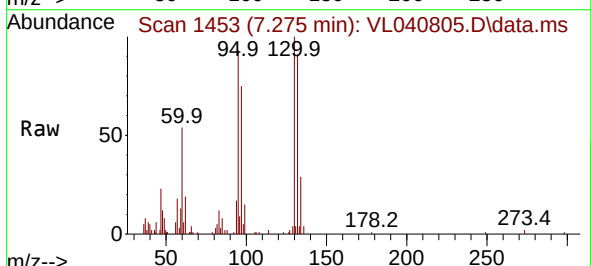
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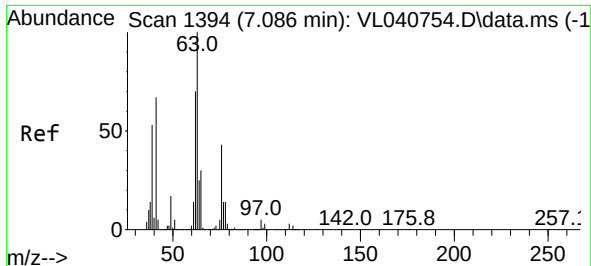
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#38
Trichloroethene
Concen: 0.384 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion:130 Resp: 30539
Ion Ratio Lower Upper
130 100
95 89.3 89.4 134.2#
132 87.6 74.8 112.2
97 72.3 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.456 ppbv m

RT: 7.057 min Scan# 1385

Delta R.T. -0.029 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

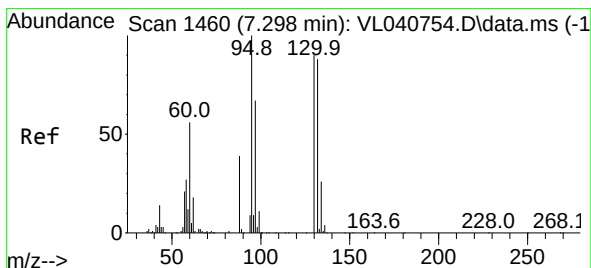
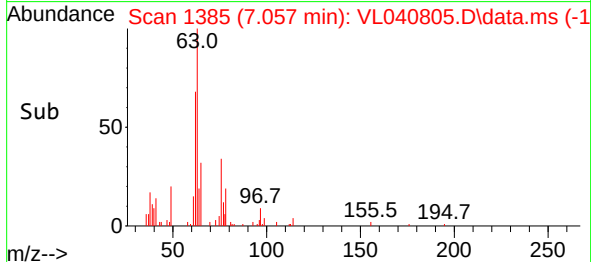
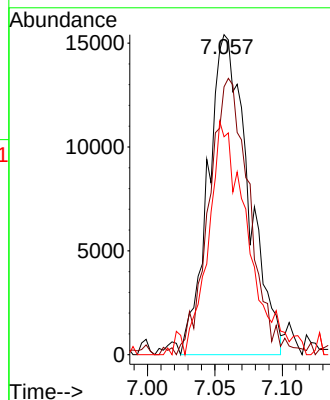
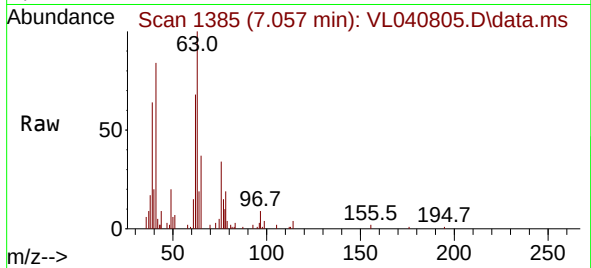
Tgt Ion: 63	Resp: 3200
Ion Ratio	Lower Upper
63 100	
41 83.7	53.7 80.5
62 68.1	55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#40

1,4-Dioxane

Concen: 0.486 ppbv m

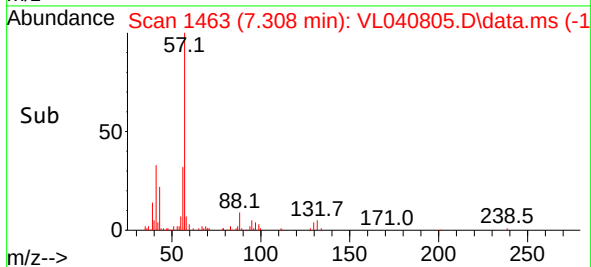
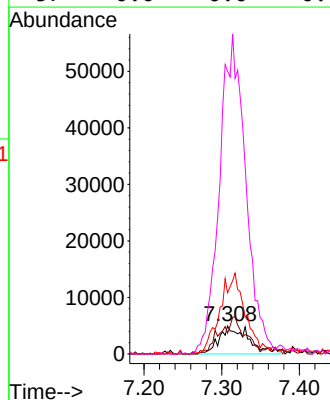
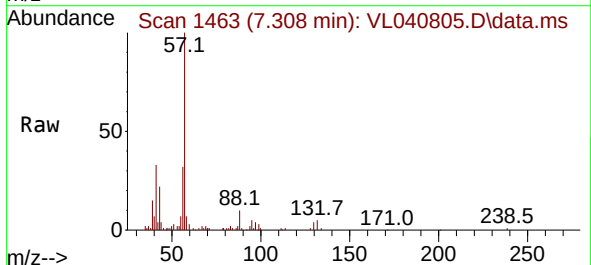
RT: 7.308 min Scan# 1463

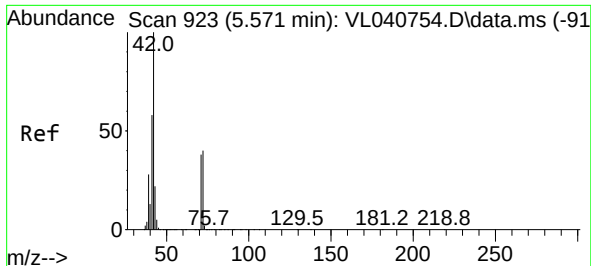
Delta R.T. 0.010 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

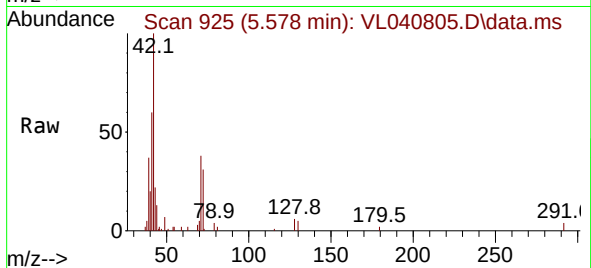
Tgt Ion: 88	Resp: 12928
Ion Ratio	Lower Upper
88 100	
58 0.0	100.0 150.0#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.416 ppbv m
RT: 5.578 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

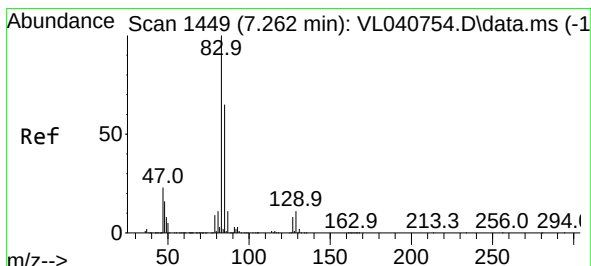
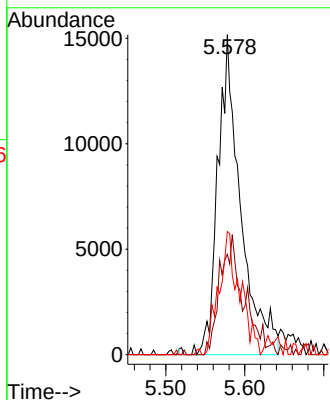
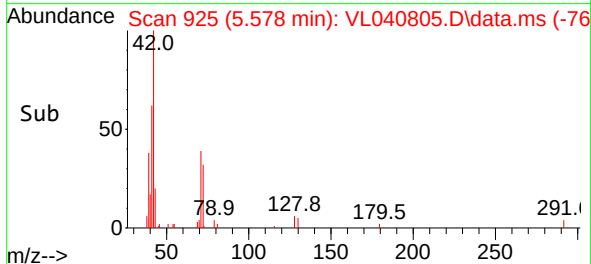
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 42 Resp: 30469
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7
71 0.0 29.7 44.5

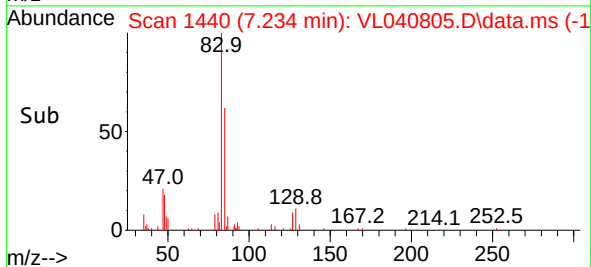
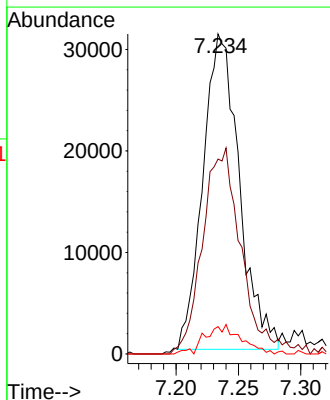
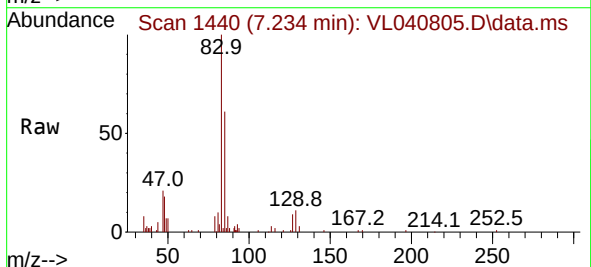
Manual Integrations
APPROVED

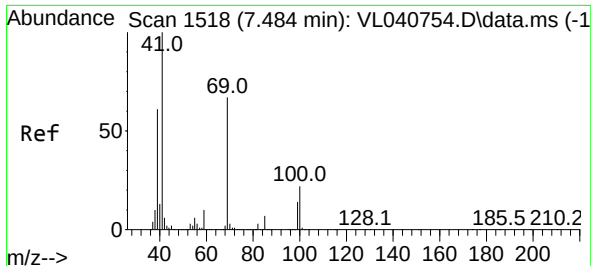
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#42
Bromodichloromethane
Concen: 0.458 ppbv
RT: 7.234 min Scan# 1440
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

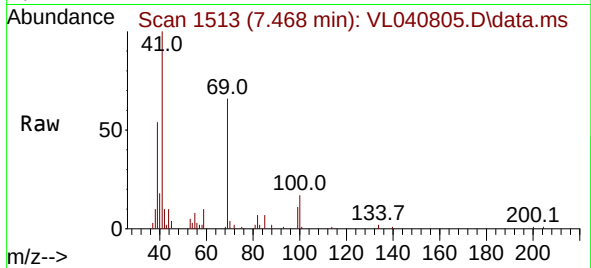
Tgt Ion: 83 Resp: 63091
Ion Ratio Lower Upper
83 100
85 59.8 52.1 78.1
127 8.1 6.7 10.1





#43
Methyl Methacrylate
Concen: 0.348 ppbv
RT: 7.468 min Scan# 1465
Delta R.T. -0.016 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

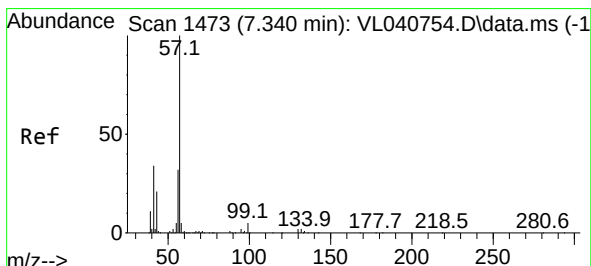
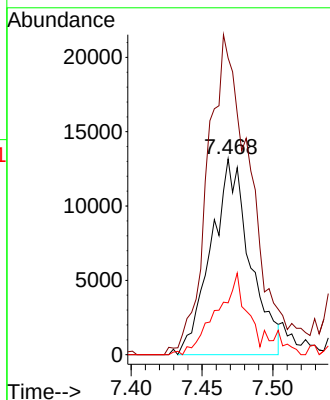
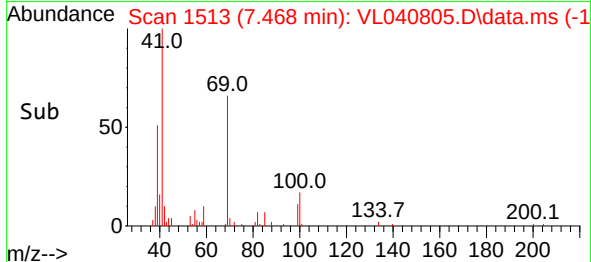
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 69 Resp: 2506
Ion Ratio Lower Upper
69 100
41 186.1 120.6 181.0
100 39.1 27.1 40.7

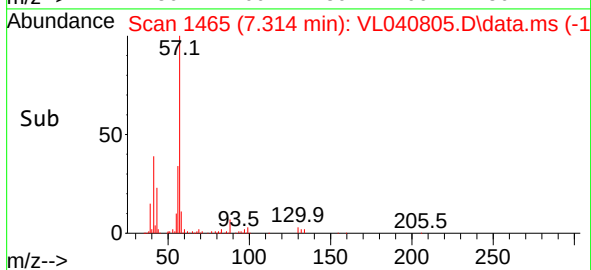
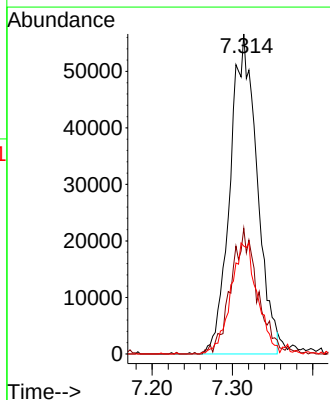
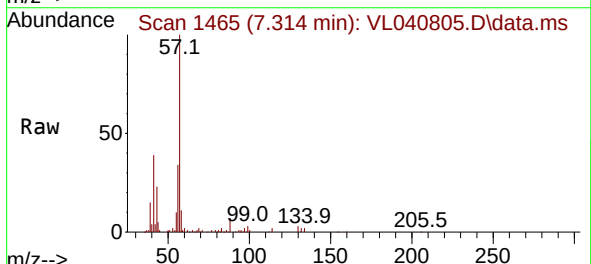
Manual Integrations
APPROVED

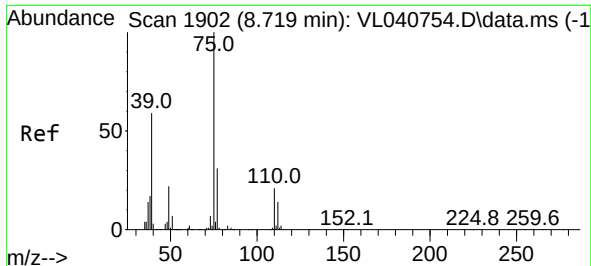
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#44
2,2,4-Trimethylpentane
Concen: 0.434 ppbv m
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion: 57 Resp: 131895
Ion Ratio Lower Upper
57 100
41 39.4 27.4 41.0
56 35.7 25.0 37.6





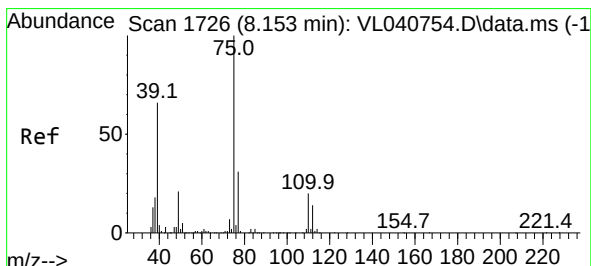
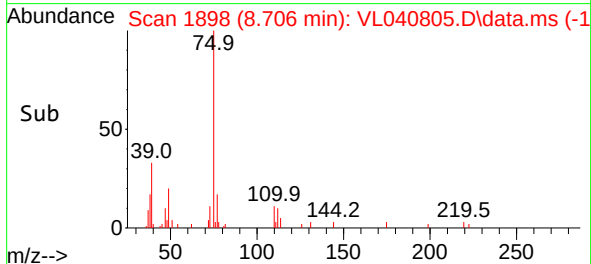
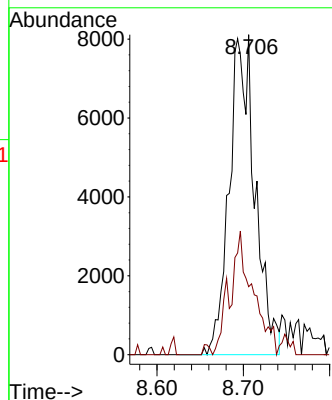
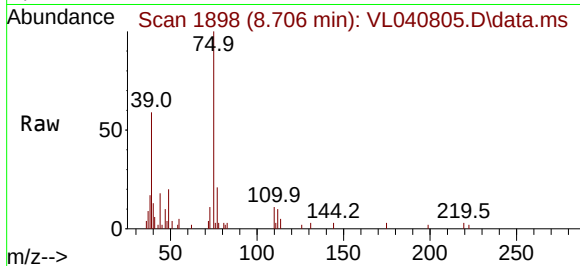
#45
t-1,3-Dichloropropene
Concen: 0.291 ppbv m
RT: 8.706 min Scan# 1700
Delta R.T. -0.013 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 75 Resp: 1671
Ion Ratio Lower Upper
75 100
77 21.3 24.9 37.3

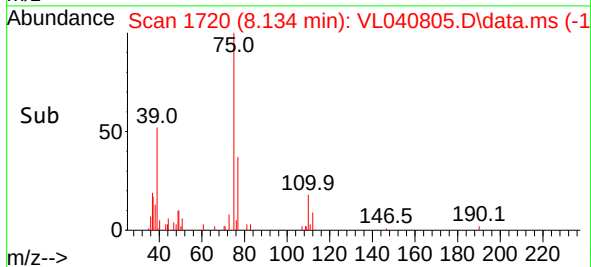
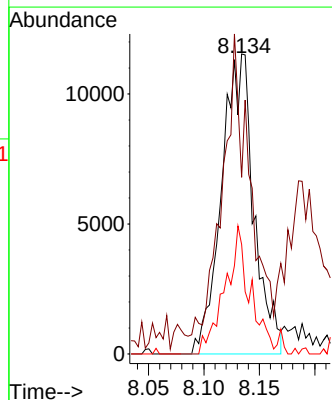
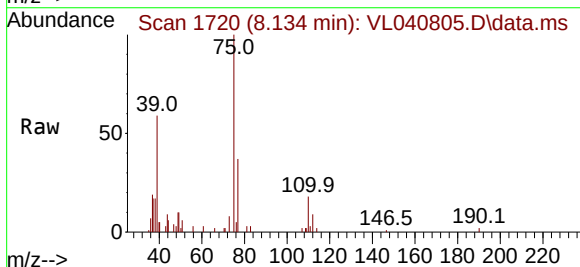
Manual Integrations
APPROVED

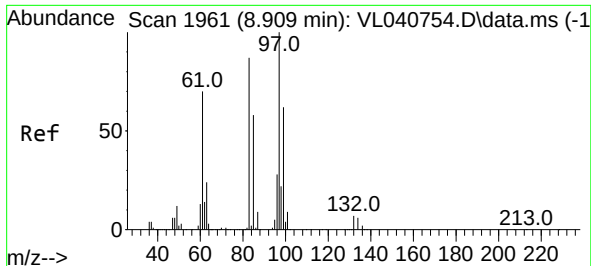
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#46
cis-1,3-Dichloropropene
Concen: 0.335 ppbv m
RT: 8.134 min Scan# 1720
Delta R.T. -0.019 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion: 75 Resp: 23450
Ion Ratio Lower Upper
75 100
39 58.9 52.4 78.6
77 36.5 25.1 37.7





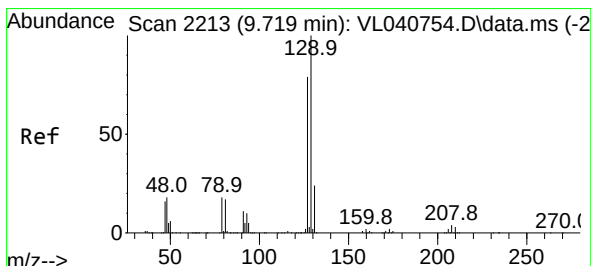
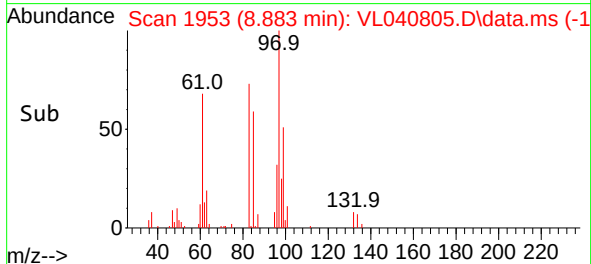
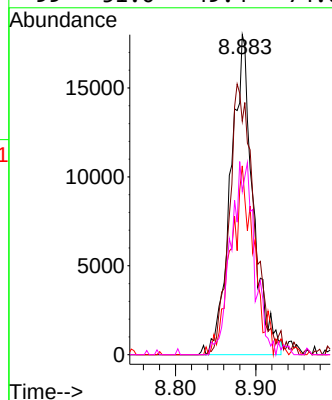
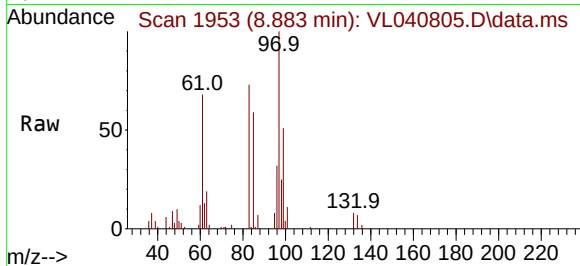
#47
1,1,2-Trichloroethane
Concen: 0.471 ppbv m
RT: 8.883 min Scan# 1953
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 97	Resp: 3476
Ion Ratio	Lower Upper
97 100	
83 72.9	69.5 104.3
85 59.0	46.6 69.8
99 51.0	49.4 74.0

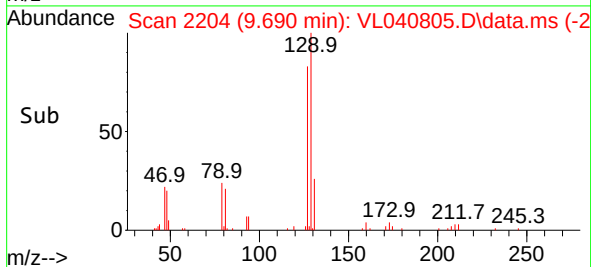
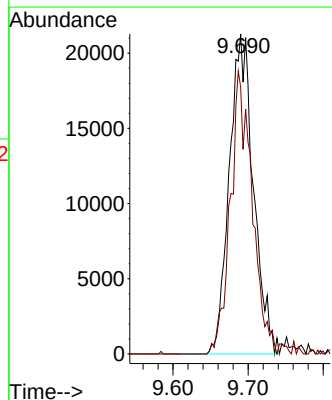
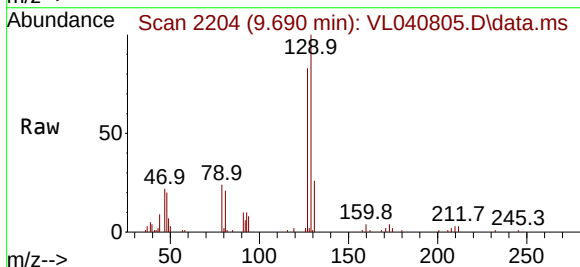
Manual Integrations
APPROVED

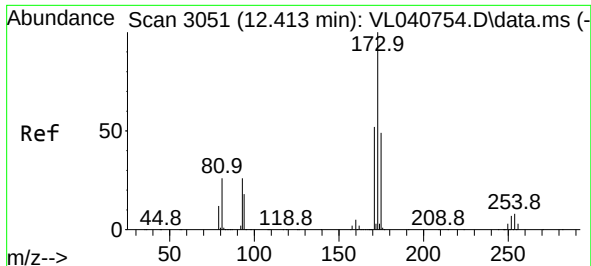
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#48
Dibromochloromethane
Concen: 0.384 ppbv m
RT: 9.690 min Scan# 2204
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

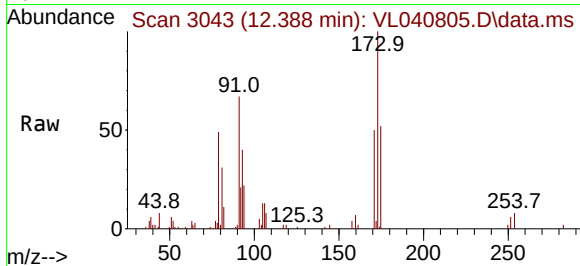
Tgt Ion:129	Resp: 47425
Ion Ratio	Lower Upper
129 100	
127 81.5	39.1 117.3





#49
Bromoform
Concen: 0.340 ppbv
RT: 12.388 min Scan# 3051
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

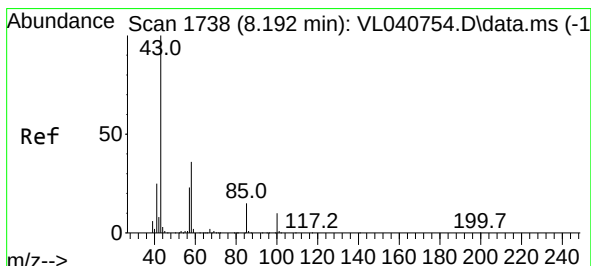
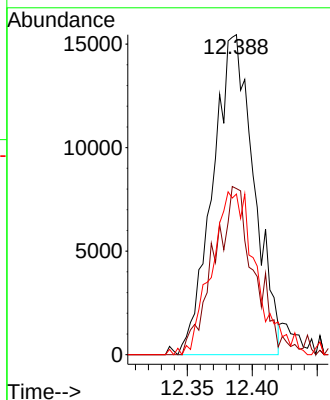
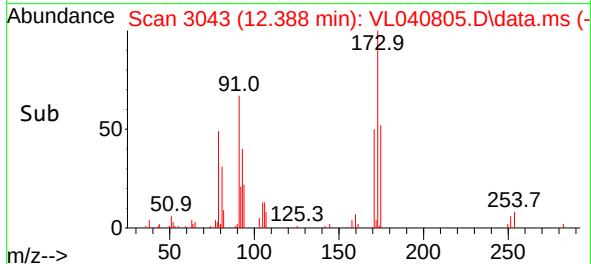
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 173 Resp: 34154
Ion Ratio Lower Upper
173 100
175 53.6 39.2 58.8
171 55.8 42.0 63.0

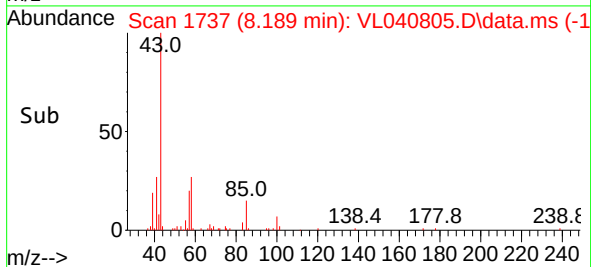
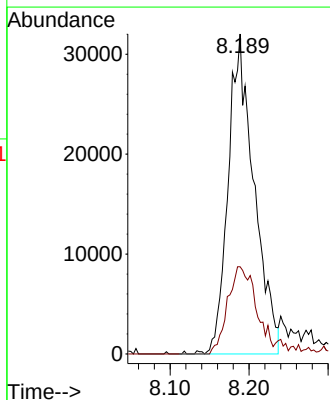
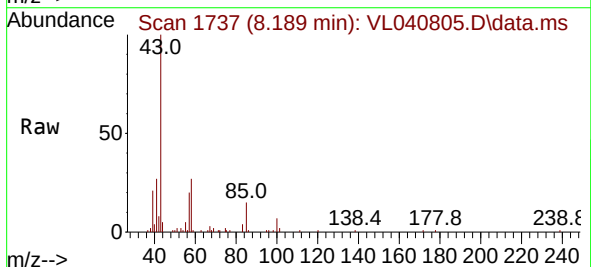
Manual Integrations
APPROVED

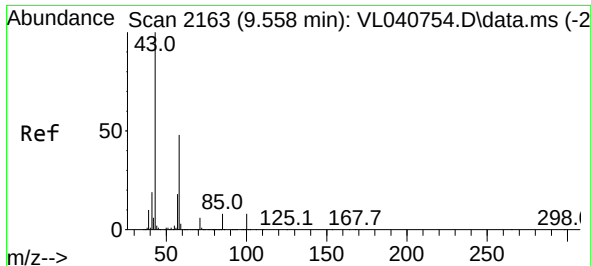
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#50
4-Methyl-2-Pentanone
Concen: 0.403 ppbv m
RT: 8.189 min Scan# 1737
Delta R.T. -0.003 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

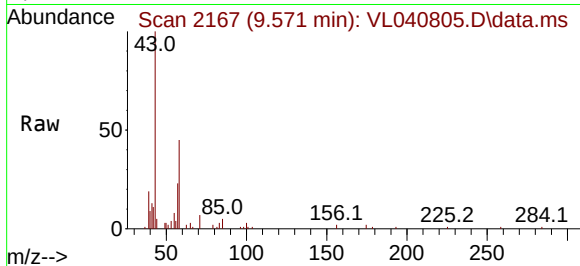
Tgt Ion: 43 Resp: 72858
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#51
2-Hexanone
Concen: 0.353 ppbv m
RT: 9.571 min Scan# 2163
Delta R.T. 0.013 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

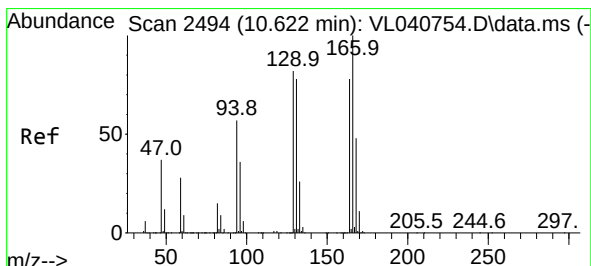
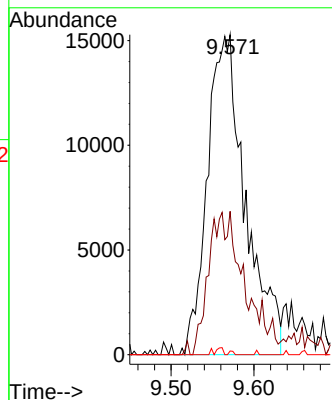
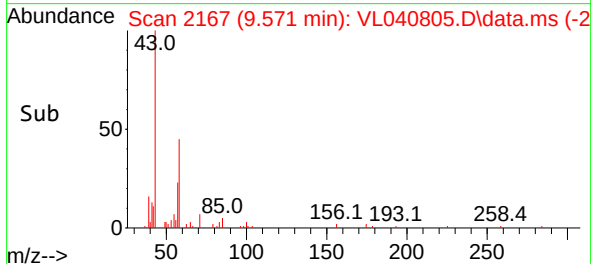
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 48680
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0#
98 0.0 0.0 0.0

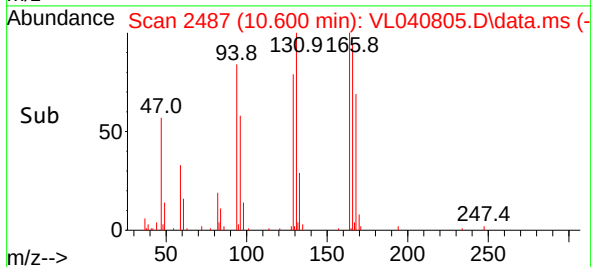
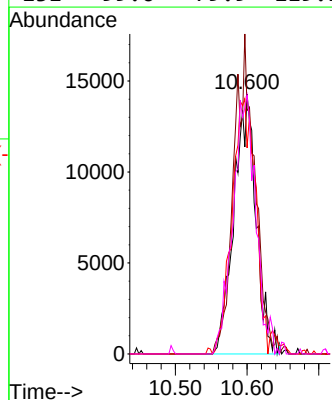
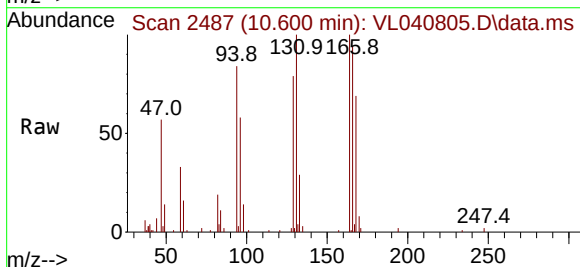
Manual Integrations
APPROVED

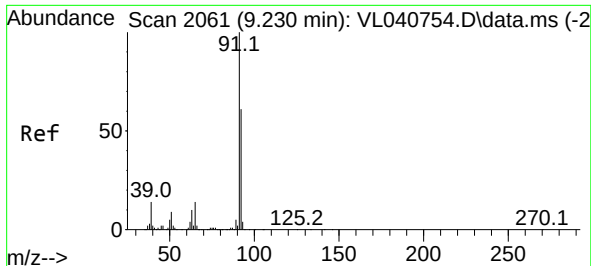
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#52
Tetrachloroethene
Concen: 0.419 ppbv m
RT: 10.600 min Scan# 2487
Delta R.T. -0.022 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion:164 Resp: 30583
Ion Ratio Lower Upper
164 100
166 93.7 102.4 153.6#
129 79.3 84.2 126.4#
131 99.6 79.9 119.9





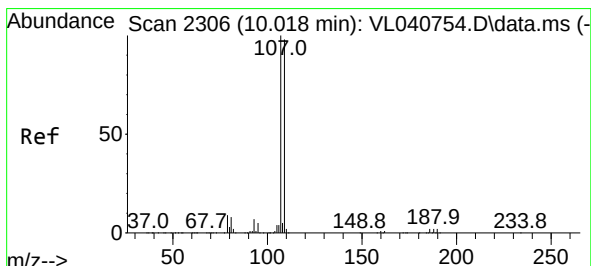
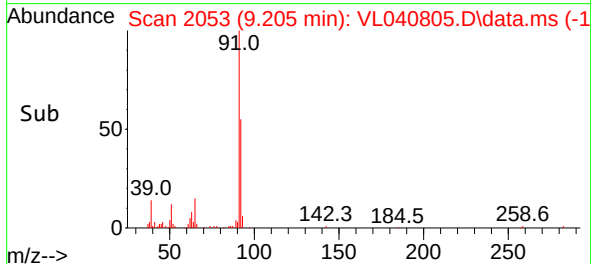
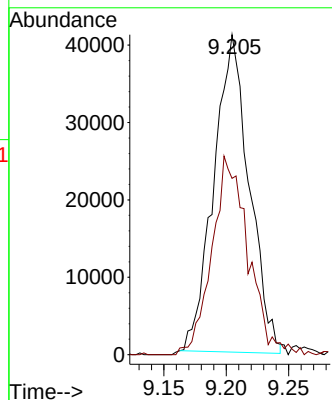
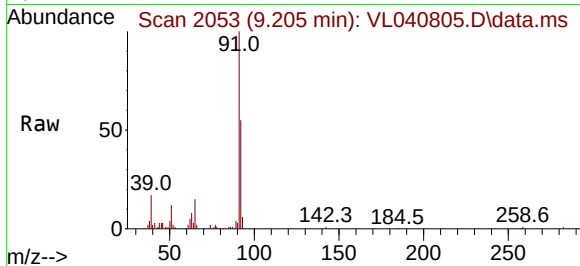
#53
Toluene
Concen: 0.380 ppbv
RT: 9.205 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 91 Resp: 81314
Ion Ratio Lower Upper
91 100
92 64.1 50.2 75.2

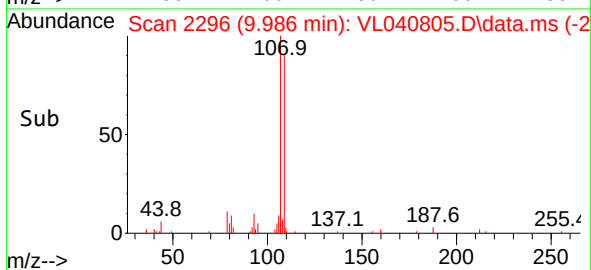
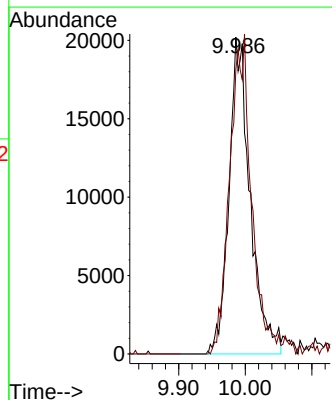
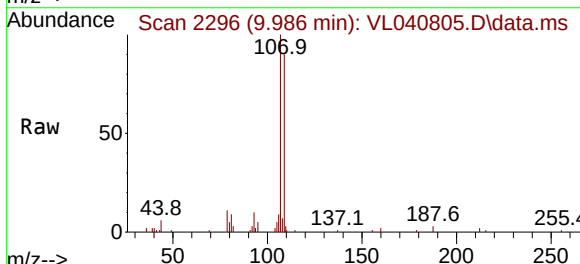
Manual Integrations
APPROVED

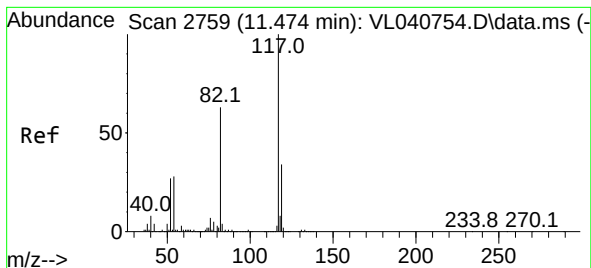
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#54
1,2-Dibromoethane
Concen: 0.433 ppbv m
RT: 9.986 min Scan# 2296
Delta R.T. -0.032 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

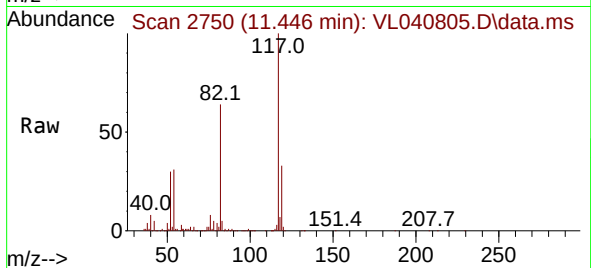
Tgt Ion:107 Resp: 44769
Ion Ratio Lower Upper
107 100
109 89.9 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

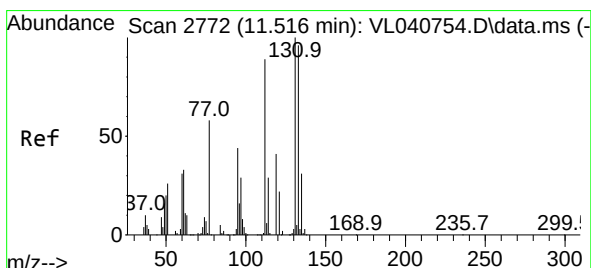
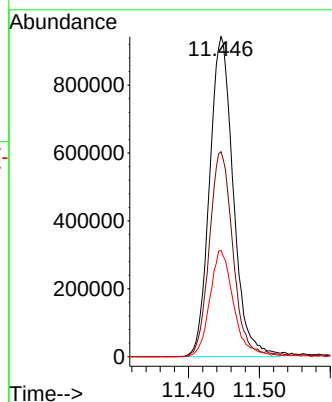
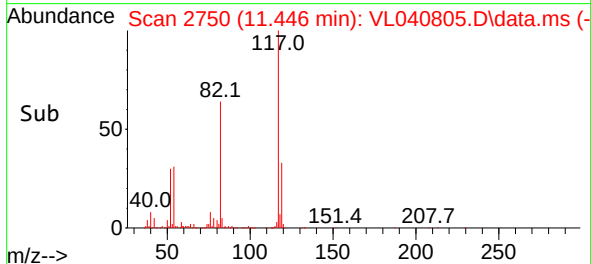
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



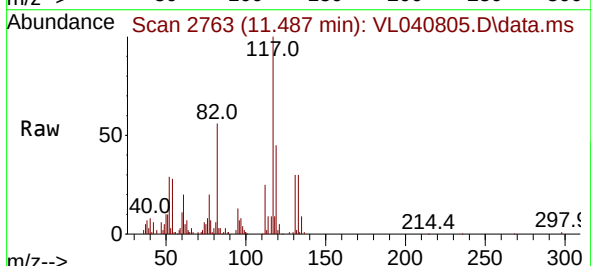
Tgt Ion:117 Resp: 219141
Ion Ratio Lower Upper
117 100
82 65.2 46.6 70.0
119 33.6 26.0 39.0

Manual Integrations
APPROVED

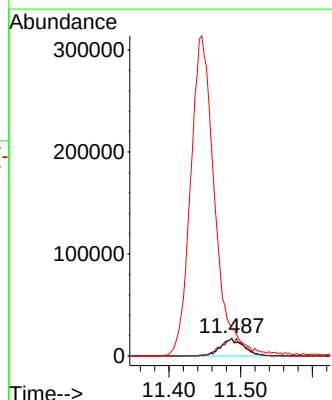
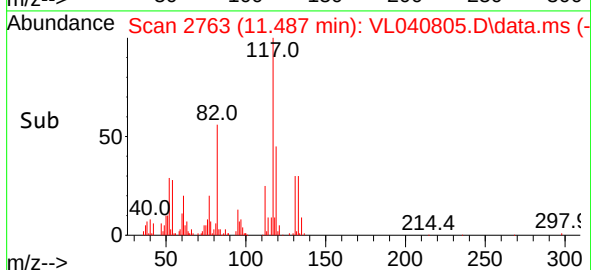
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

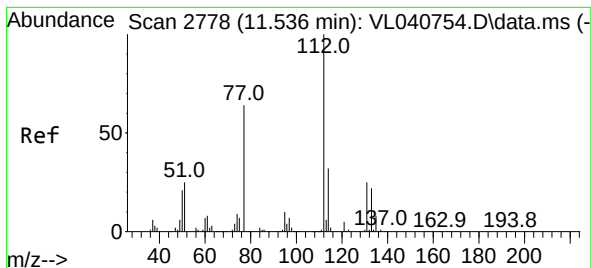


#56
1,1,1,2-Tetrachloroethane
Concen: 0.428 ppbv m
RT: 11.487 min Scan# 2763
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12



Tgt Ion:131 Resp: 38247
Ion Ratio Lower Upper
131 100
133 100.2 75.0 112.6
119 0.0 45.4 68.0#





#57

Chlorobenzene

Concen: 0.454 ppbv

RT: 11.504 min Scan# 21

Delta R.T. -0.032 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

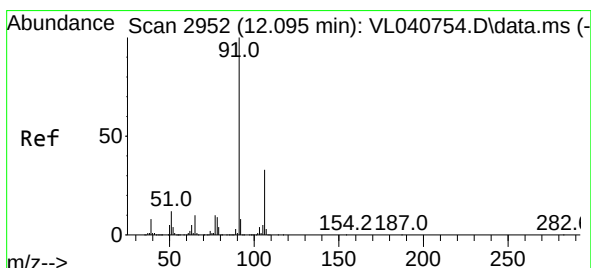
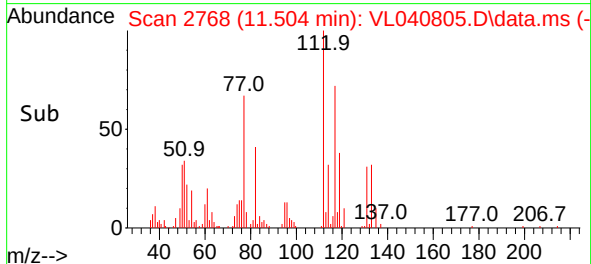
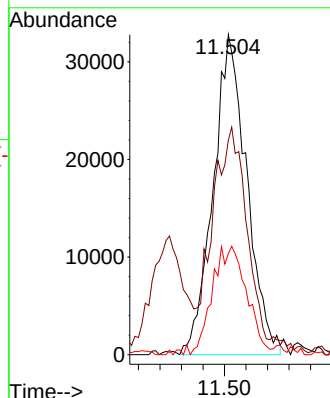
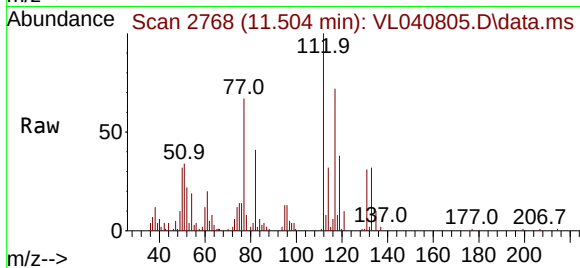
MDL-AIR-03-QT4-2023DL

Tgt Ion: 112 Resp: 71250
 Ion Ratio Lower Upper
 112 100
 77 62.6 51.9 77.9
 114 30.1 28.6 35.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#58

Ethyl Benzene

Concen: 0.406 ppbv

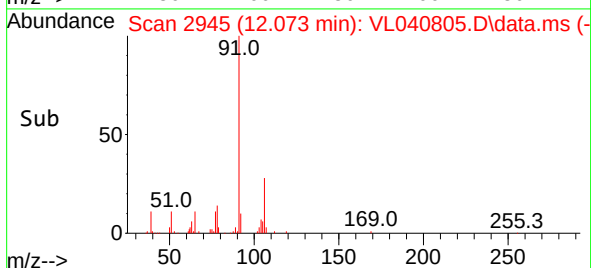
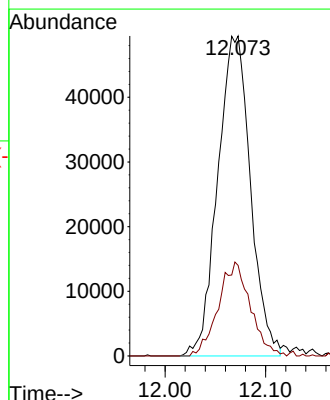
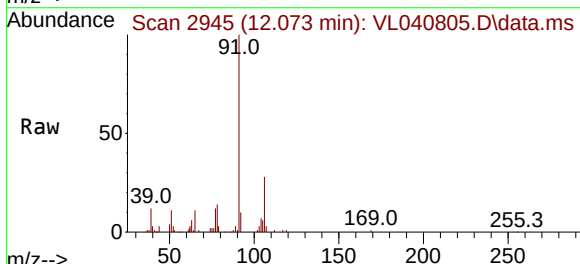
RT: 12.073 min Scan# 2945

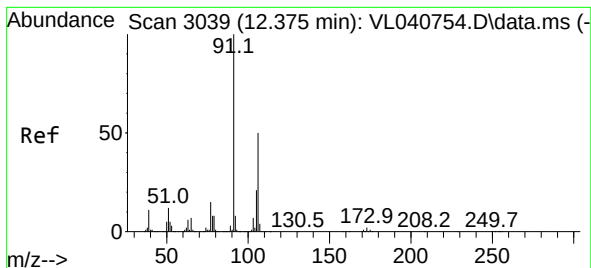
Delta R.T. -0.022 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

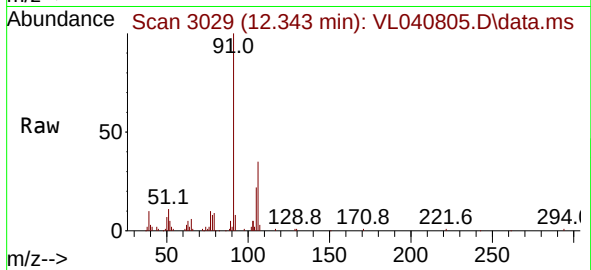
Tgt Ion: 91 Resp: 112019
 Ion Ratio Lower Upper
 91 100
 106 28.3 26.7 40.1





#59
m/p-Xylene
Concen: 0.888 ppbv m
RT: 12.343 min Scan# 3039
Delta R.T. -0.032 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

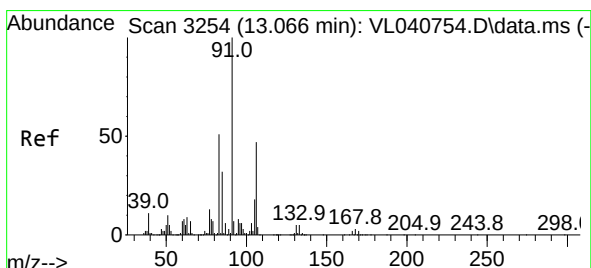
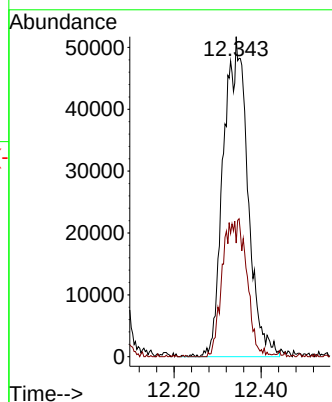
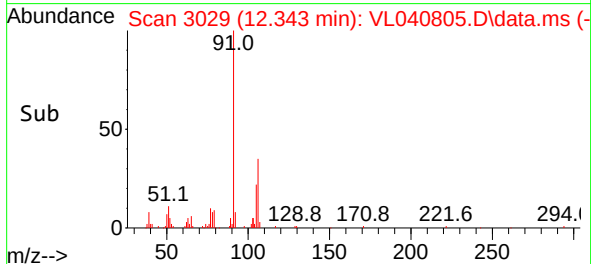
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 91 Resp: 201602
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5

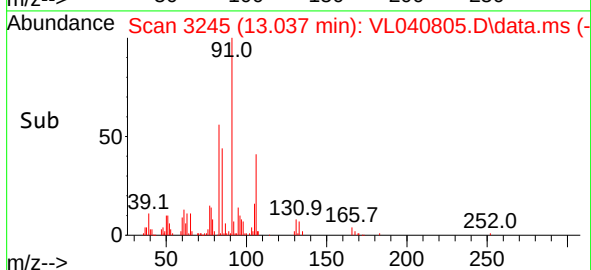
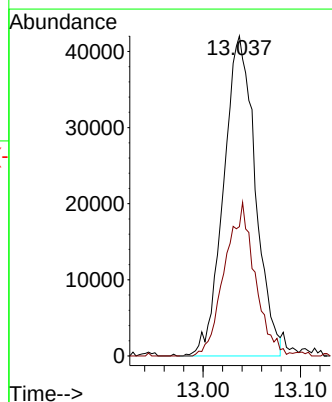
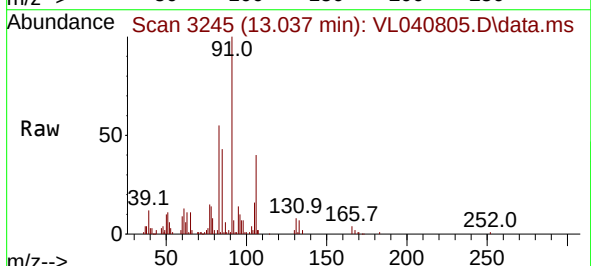
Manual Integrations
APPROVED

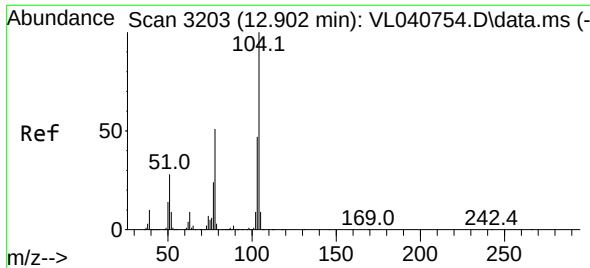
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#60
o-Xylene
Concen: 0.439 ppbv
RT: 13.037 min Scan# 3245
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

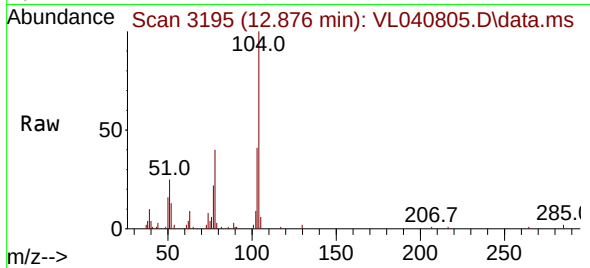
Tgt Ion: 91 Resp: 94994
Ion Ratio Lower Upper
91 100
106 46.3 23.5 70.5





#61
Styrene
Concen: 0.350 ppbv
RT: 12.876 min Scan# 3195
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

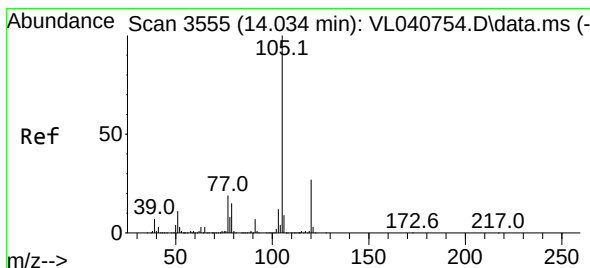
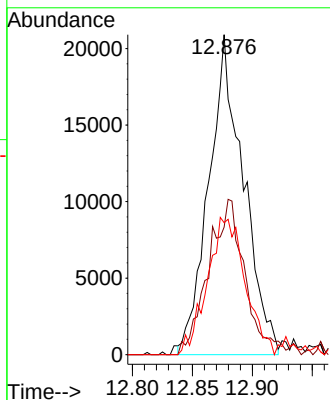
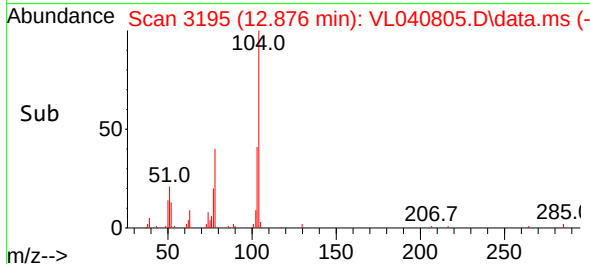
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:104 Resp: 41930
Ion Ratio Lower Upper
104 100
78 51.9 39.8 59.6
103 50.0 37.5 56.3

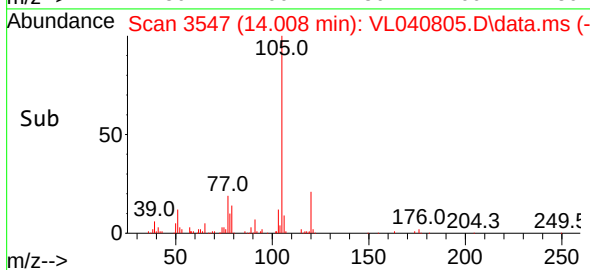
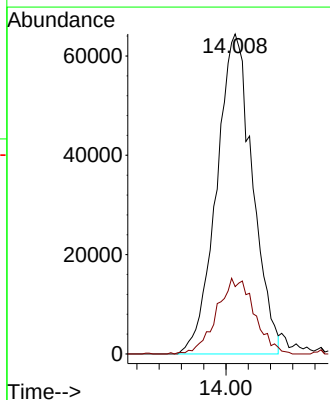
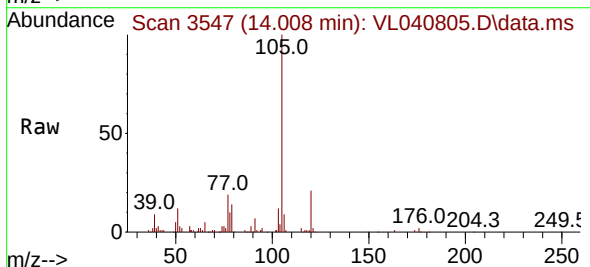
Manual Integrations
APPROVED

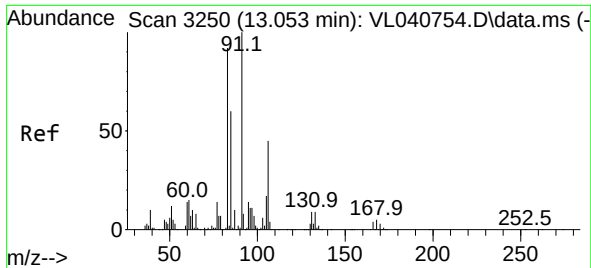
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#62
Isopropylbenzene
Concen: 0.435 ppbv
RT: 14.008 min Scan# 3547
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion:105 Resp: 144700
Ion Ratio Lower Upper
105 100
120 24.7 21.5 32.3





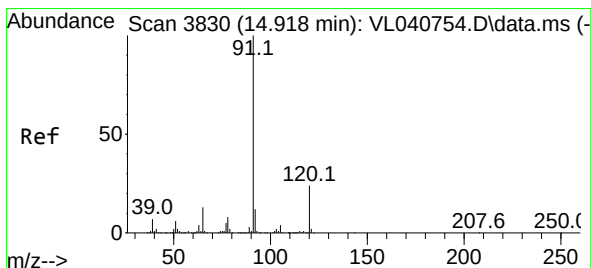
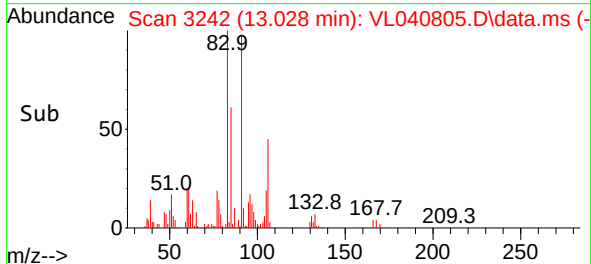
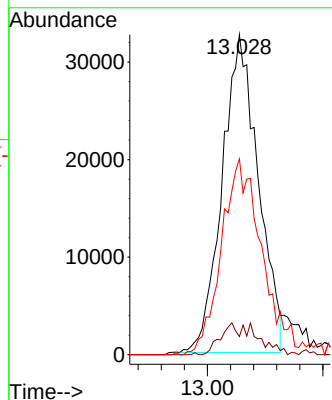
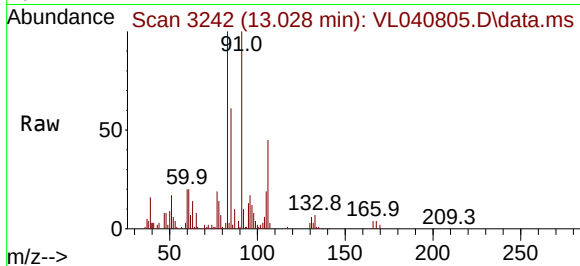
#63
1,1,2,2-Tetrachloroethane
Concen: 0.436 ppbv
RT: 13.028 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 83 Resp: 70748
Ion Ratio Lower Upper
83 100
131 10.3 4.9 14.6
85 69.9 32.9 98.7

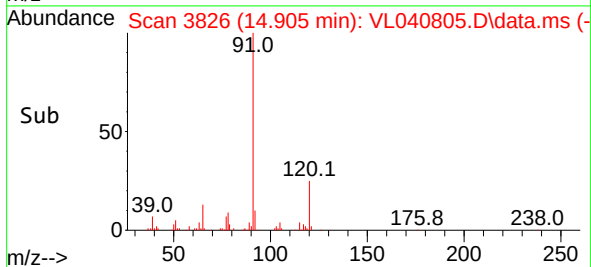
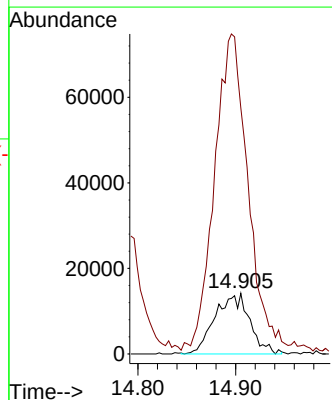
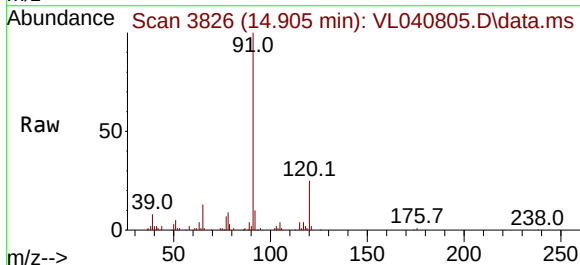
Manual Integrations
APPROVED

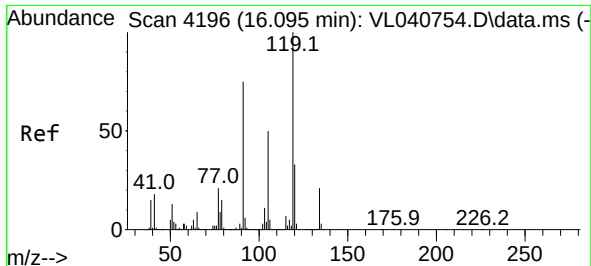
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#64
n-propylbenzene
Concen: 0.389 ppbv m
RT: 14.905 min Scan# 3826
Delta R.T. -0.013 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

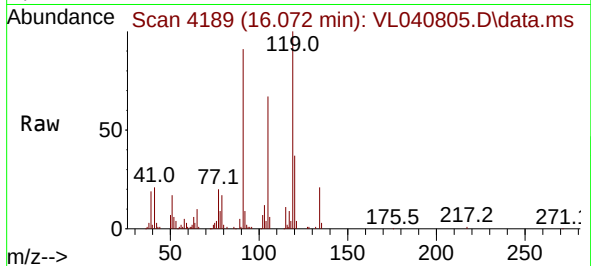
Tgt Ion:120 Resp: 34757
Ion Ratio Lower Upper
120 100
91 529.8 345.9 518.9#





#65
tert-Butylbenzene
Concen: 0.427 ppbv
RT: 16.072 min Scan# 4196
Delta R.T. -0.022 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

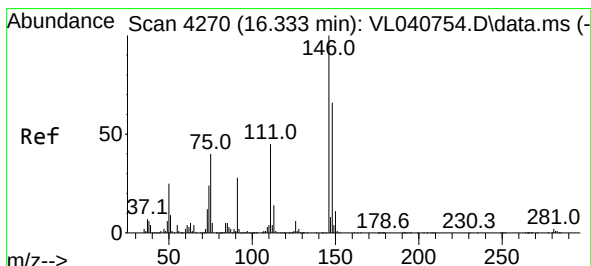
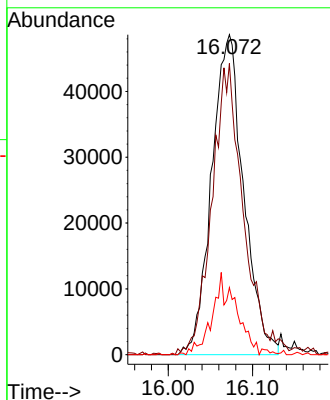
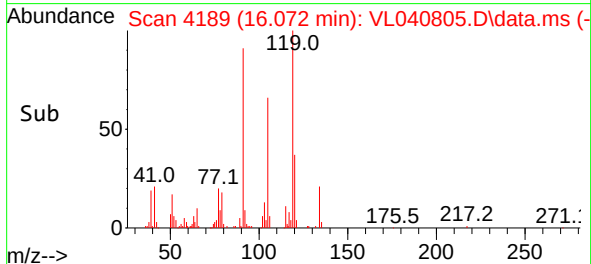
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 119 Resp: 128184
Ion Ratio Lower Upper
119 100
91 90.1 62.2 93.2
134 19.8 16.1 24.1

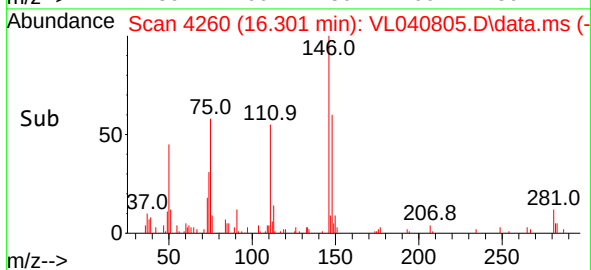
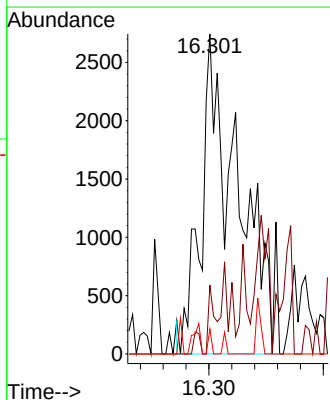
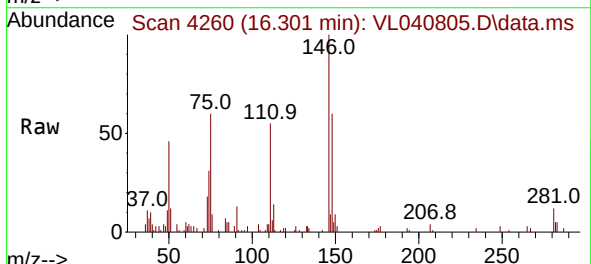
Manual Integrations
APPROVED

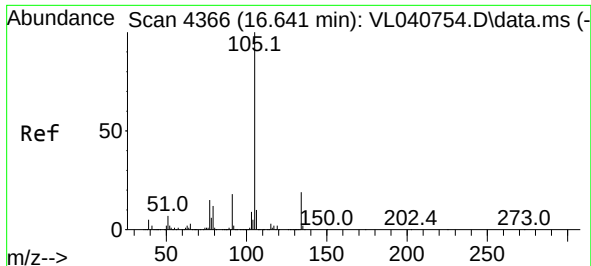
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#66
Benzyl Chloride
Concen: 0.205 ppbv m
RT: 16.301 min Scan# 4260
Delta R.T. -0.032 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

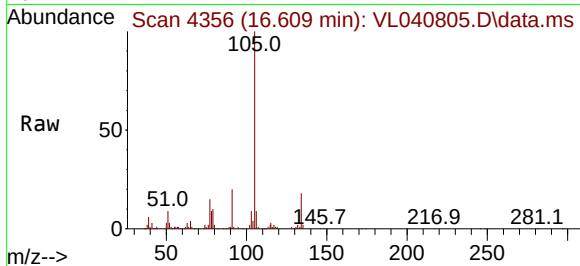
Tgt Ion: 91 Resp: 6202
Ion Ratio Lower Upper
91 100
126 0.0 16.1 24.1#
128 2.8 5.2 7.8#





#67
 sec-Butylbenzene
 Concen: 0.449 ppbv m
 RT: 16.609 min Scan# 41
 Delta R.T. -0.032 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

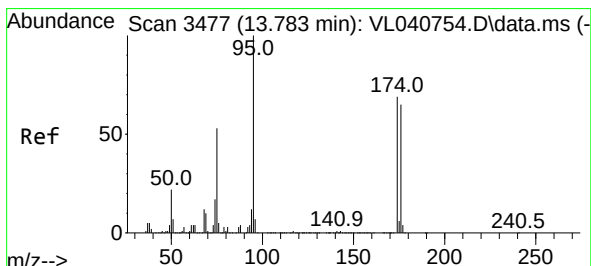
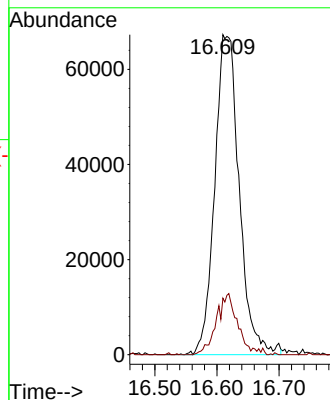
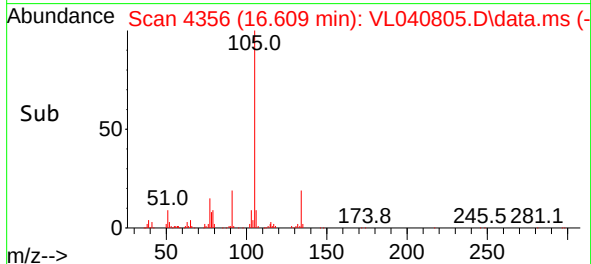
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 184378
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2

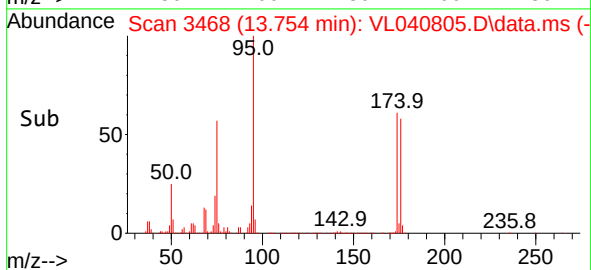
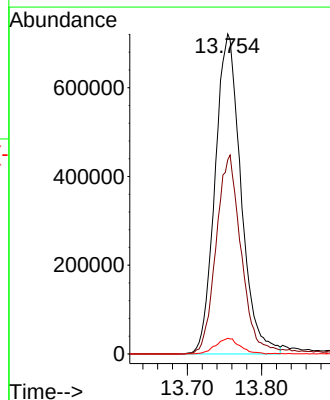
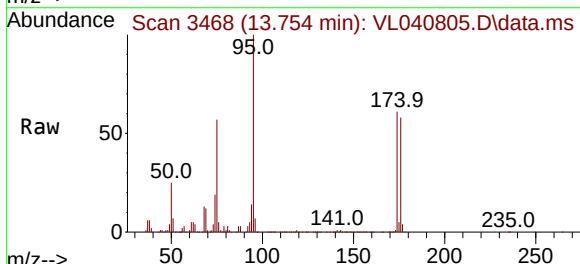
Manual Integrations
 APPROVED

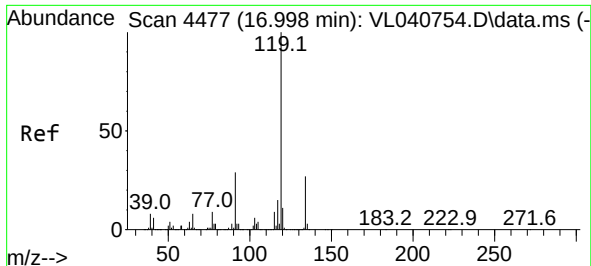
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.852 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. -0.029 min
 Lab File: VL040805.D
 Acq: 25 Oct 2023 18:12

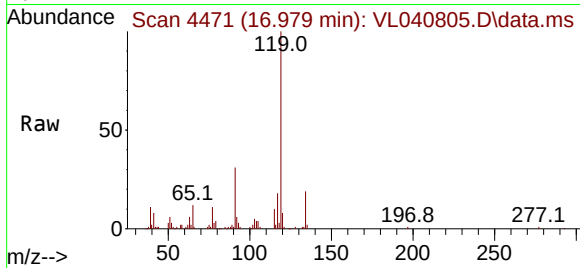
Tgt Ion: 95 Resp: 1749825
 Ion Ratio Lower Upper
 95 100
 174 62.3 54.7 82.1
 175 4.7 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.381 ppbv
RT: 16.979 min Scan# 4477
Delta R.T. -0.019 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

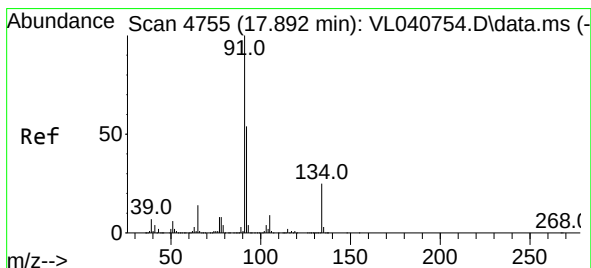
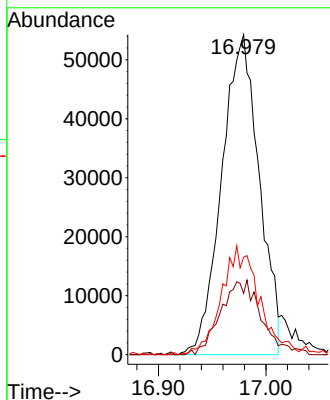
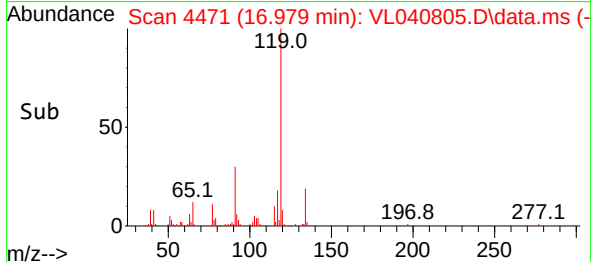
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



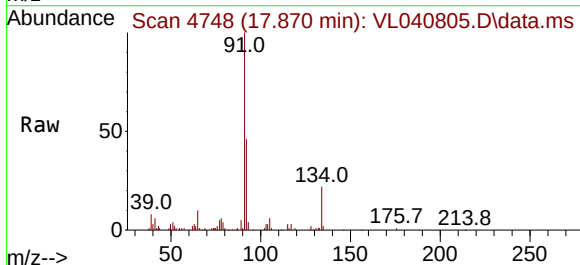
Tgt Ion: 119 Resp: 131179
Ion Ratio Lower Upper
119 100
134 25.4 21.0 31.4
91 35.2 22.8 34.2

Manual Integrations
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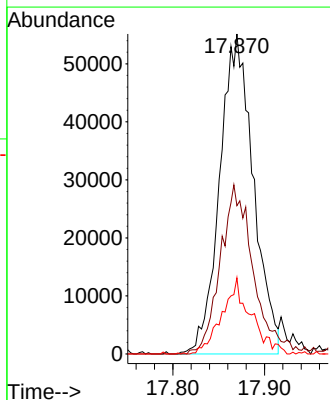
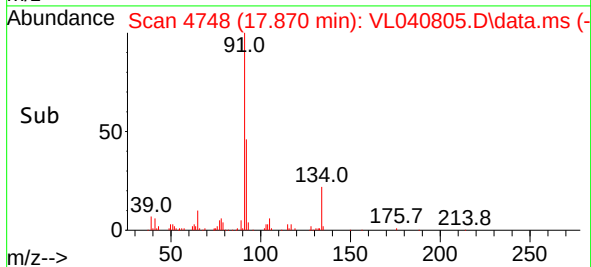
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

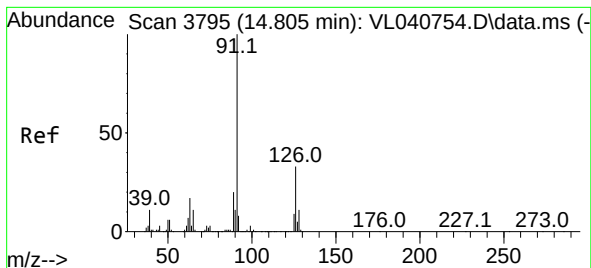


#70
n-Butylbenzene
Concen: 0.415 ppbv
RT: 17.870 min Scan# 4748
Delta R.T. -0.022 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12



Tgt Ion: 91 Resp: 140281
Ion Ratio Lower Upper
91 100
92 52.4 44.1 66.1
134 20.6 19.5 29.3





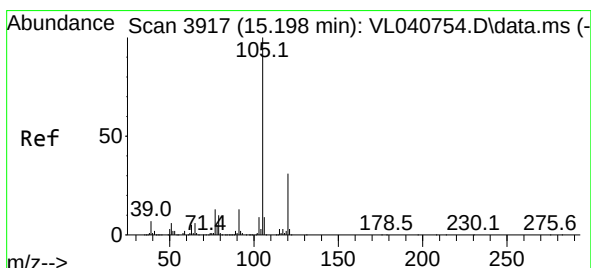
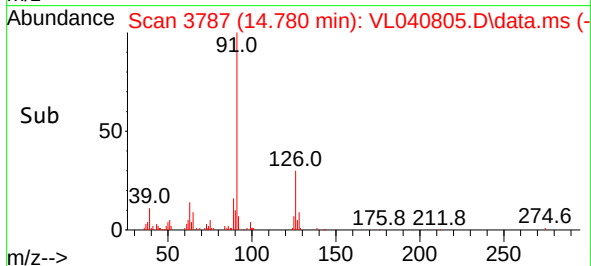
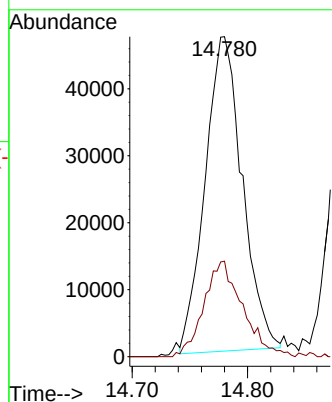
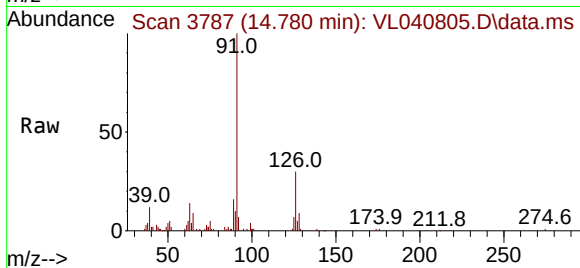
#71
2-Chlorotoluene
Concen: 0.420 ppbv
RT: 14.780 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion: 91 Resp: 105109
Ion Ratio Lower Upper
91 100
126 31.7 13.3 53.1

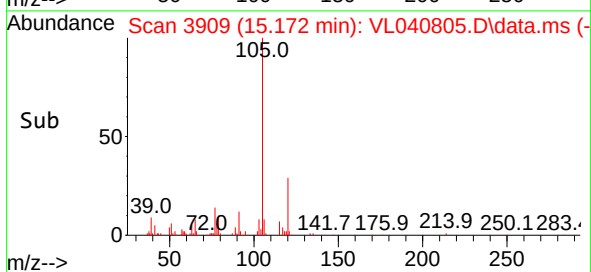
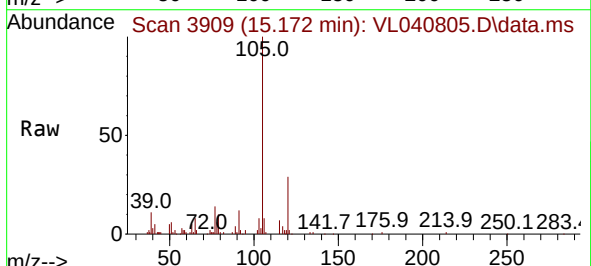
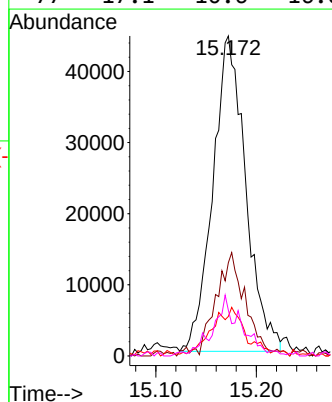
Manual Integrations
APPROVED

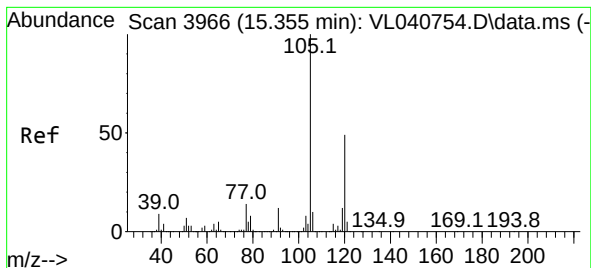
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#72
4-Ethyltoluene
Concen: 0.397 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion:105 Resp: 100586
Ion Ratio Lower Upper
105 100
120 30.3 25.0 37.4
91 17.3 9.8 14.8#
77 17.1 10.6 16.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.403 ppbv m

RT: 15.336 min Scan# 3960

Delta R.T. -0.019 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:105 Resp: 89818

Ion Ratio Lower Upper

105 100

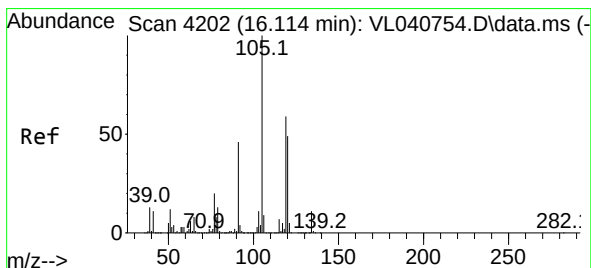
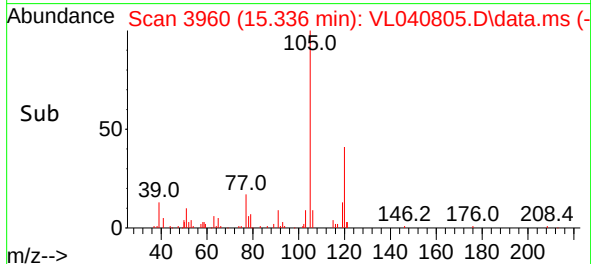
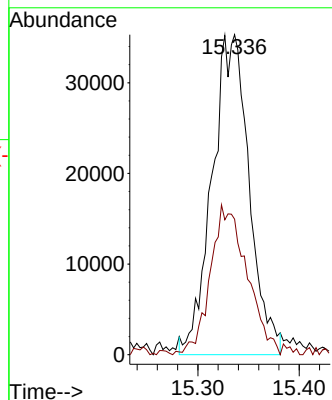
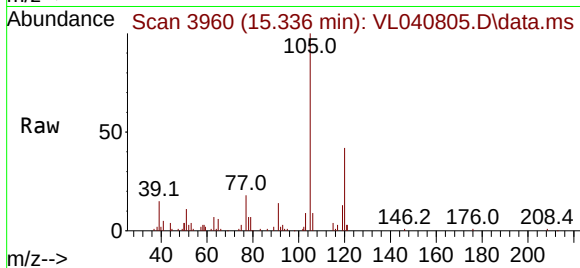
120 42.3 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.435 ppbv m

RT: 16.079 min Scan# 4191

Delta R.T. -0.035 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Tgt Ion:105 Resp: 106121

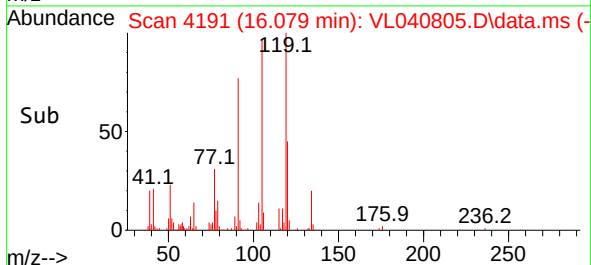
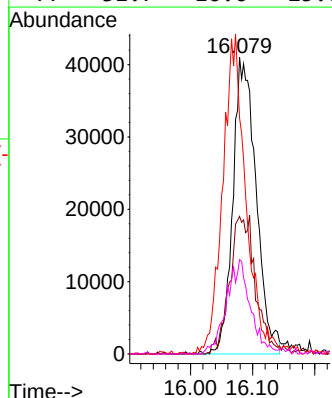
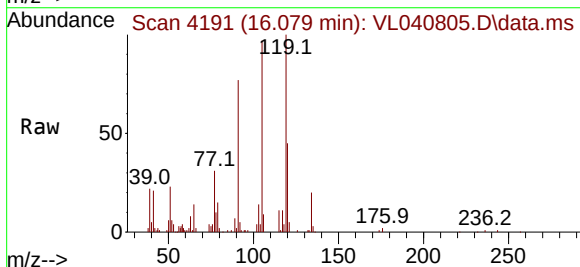
Ion Ratio Lower Upper

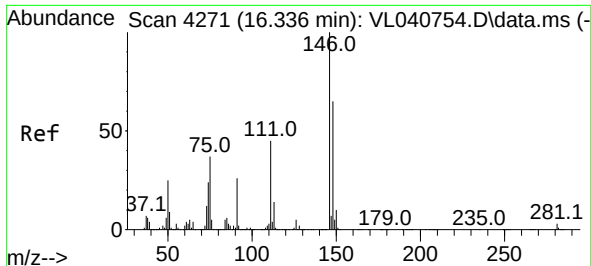
105 100

120 46.3 39.4 59.2

91 79.5 38.6 58.0#

77 31.7 16.6 25.0#





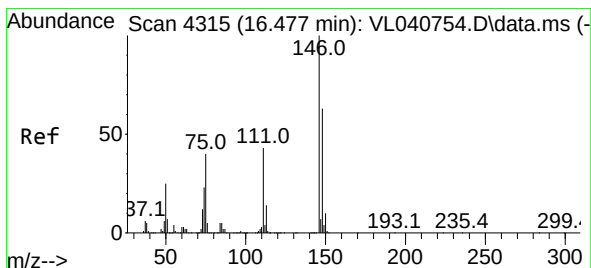
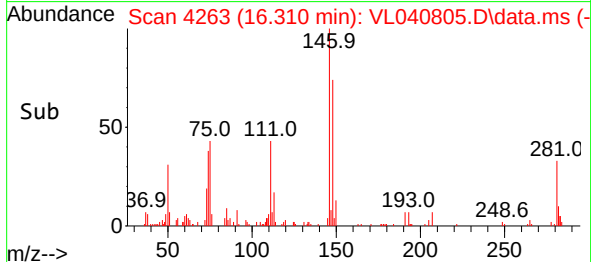
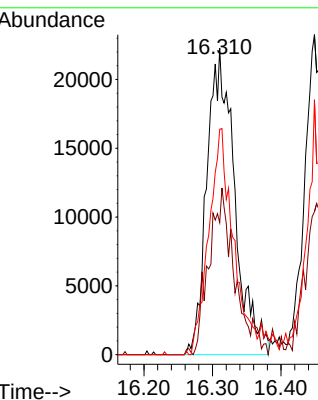
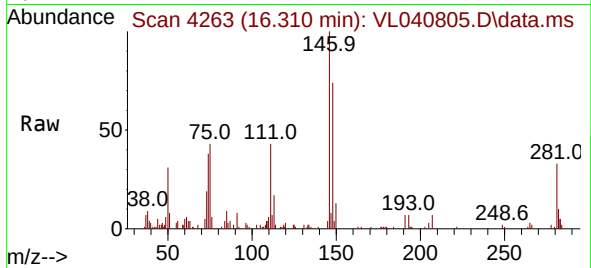
#75
1,3-Dichlorobenzene
Concen: 0.412 ppbv m
RT: 16.310 min Scan# 4306
Delta R.T. -0.026 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

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

Tgt Ion:146 Resp: 62389
Ion Ratio Lower Upper
146 100
111 0.0 22.6 67.7
148 0.0 32.4 97.0

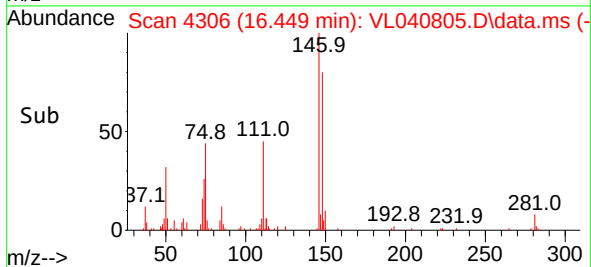
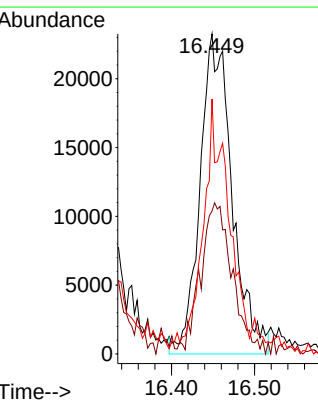
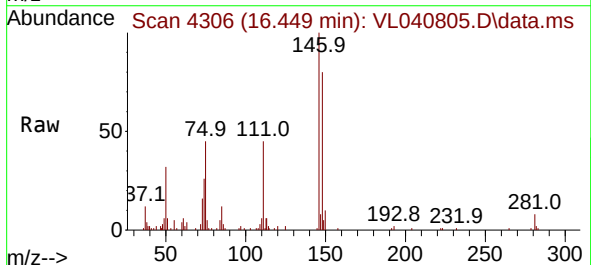
Manual Integrations
APPROVED

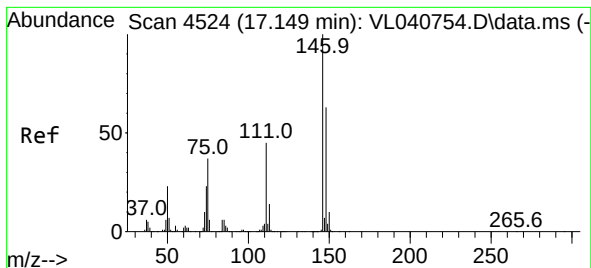
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#76
1,4-Dichlorobenzene
Concen: 0.414 ppbv m
RT: 16.449 min Scan# 4306
Delta R.T. -0.029 min
Lab File: VL040805.D
Acq: 25 Oct 2023 18:12

Tgt Ion:146 Resp: 62105
Ion Ratio Lower Upper
146 100
111 50.0 22.0 66.0
148 68.8 33.4 100.1





#77

1,2-Dichlorobenzene

Concen: 0.405 ppbv

RT: 17.124 min Scan# 4

Delta R.T. -0.026 min

Lab File: VL040805.D

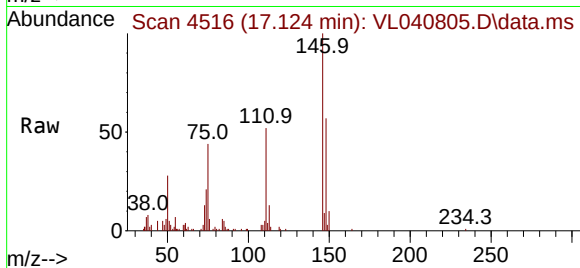
Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

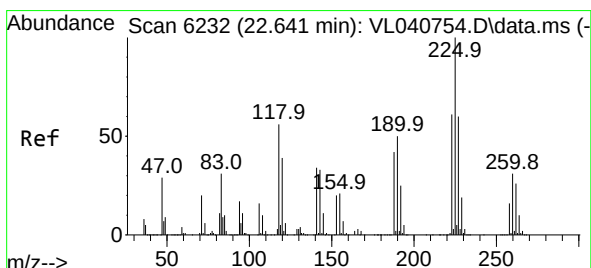
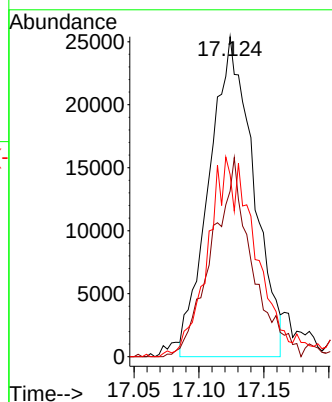
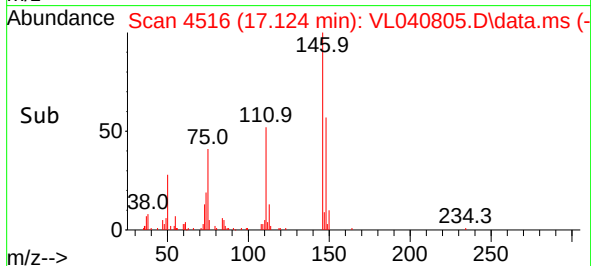


Tgt Ion:	146	Resp:	6021
Ion Ratio	Lower	Upper	
146	100		
111	58.8	22.9	68.8
148	69.6	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#78

Hexachloro-1,3-Butadiene

Concen: 0.446 ppbv m

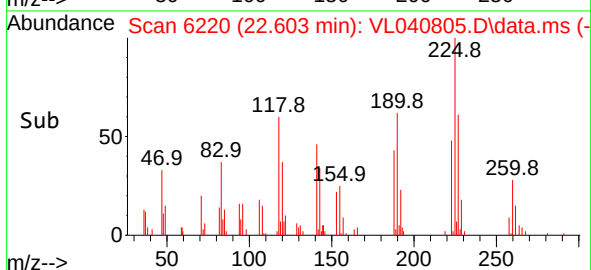
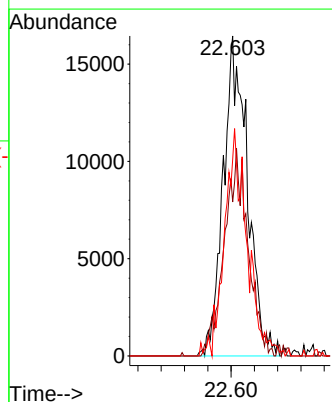
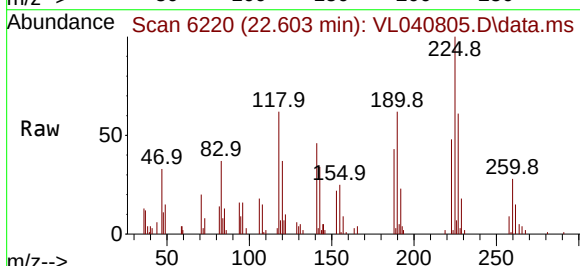
RT: 22.603 min Scan# 6220

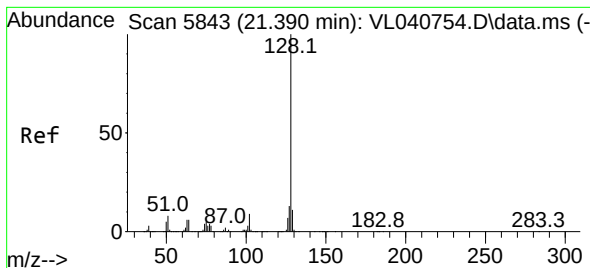
Delta R.T. -0.038 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Tgt Ion:	225	Resp:	47457
Ion Ratio	Lower	Upper	
225	100		
223	0.0	50.7	76.1#
227	0.0	51.4	77.0#





#79

Naphthalene

Concen: 0.226 ppbv m

RT: 21.368 min Scan# 5836

Delta R.T. -0.022 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Instrument :

MSVOA_L

ClientSampleId :

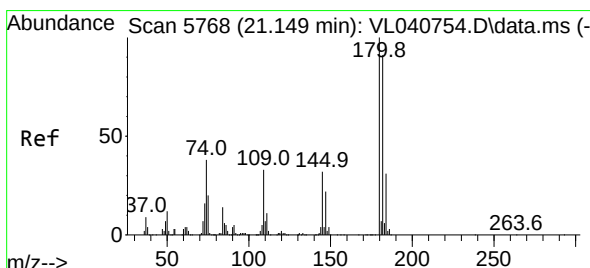
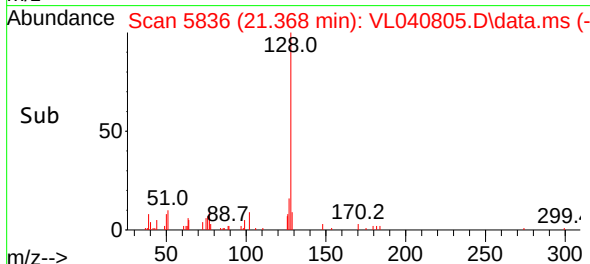
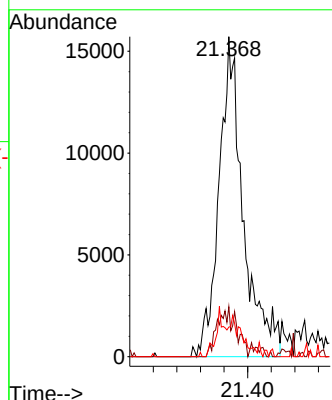
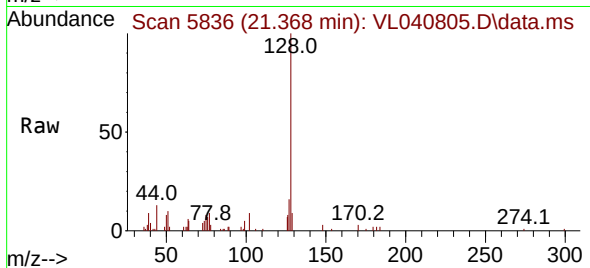
MDL-AIR-03-QT4-2023DL

Tgt Ion:	128	Resp:	4483
Ion Ratio	Lower	Upper	
128	100		
127	15.6	10.6	15.8
129	9.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#81

1,2,4-Trichlorobenzene

Concen: 0.288 ppbv m

RT: 21.130 min Scan# 5762

Delta R.T. -0.019 min

Lab File: VL040805.D

Acq: 25 Oct 2023 18:12

Tgt Ion:	180	Resp:	30940
Ion Ratio	Lower	Upper	
180	100		
182	0.0	77.9	116.9#
184	0.0	25.0	37.6#

