

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040219.D
 Acq On : 23 Feb 2023 12:35
 Operator : SY/MD
 Sample : 01627-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Quant Time: Feb 24 01:01:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Feb 24 00:45:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	845418	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2170017	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1933920	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.780	95	1594835	10.029	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	91030	0.578	ppbv	93
3) Chlorodifluoromethane	2.665	51	52547	0.520	ppbv	98
4) Chloromethane	2.803	50	34751	0.548	ppbv	98
5) Vinyl Chloride	2.912	62	26061	0.511	ppbv	95
6) Bromomethane	3.108	94	9635m	0.524	ppbv	
7) Chloroethane	3.189	64	10130m	0.501	ppbv	
8) Dichlorotetrafluoroethane	2.848	85	70160	0.517	ppbv	98
9) Propene	2.684	41	23321	0.566	ppbv	99
10) Heptane	7.578	43	44408	0.453	ppbv	100
11) Trichlorofluoromethane	3.558	101	73035	0.517	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	54876	0.526	ppbv	97
13) Ethanol	3.256	45	2259m	0.596	ppbv	
14) Bromoethene	3.362	108	18891	0.472	ppbv #	82
15) Acetone	3.478	43	65143m	0.640	ppbv	
16) 1,3-Butadiene	2.980	39	23791	0.512	ppbv	93
17) tert-Butyl alcohol	3.890	59	51216	0.552	ppbv	95
18) 1,1-Dichloroethene	3.874	96	22343	0.493	ppbv	87
19) Isopropyl Alcohol	3.591	45	27979	0.578	ppbv #	94
20) Methylene Chloride	3.925	84	35770	0.675	ppbv	92
21) Allyl Chloride	3.989	41	31460	0.504	ppbv	89
22) trans-1,2-Dichloroethene	4.439	96	24390	0.520	ppbv	84
23) Vinyl Acetate	4.632	43	17872m	0.579	ppbv	
24) 1,1-Dichloroethane	4.558	63	49790	0.516	ppbv	98
25) Ethyl Acetate	5.211	43	95560	0.505	ppbv	98
26) Hexane	5.214	57	41838m	0.515	ppbv	
27) Carbon Disulfide	4.124	76	45225	0.439	ppbv #	88
28) Methyl tert-Butyl Ether	4.591	73	44229m	0.508	ppbv	
29) Chloroform	5.266	83	68441	0.491	ppbv	94
30) Cyclohexane	6.607	84	36429m	0.571	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	35474	0.460	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	66569	0.508	ppbv	98
34) 2-Butanone	4.800	43	55626m	0.520	ppbv	
35) Carbon Tetrachloride	6.491	117	62262	0.485	ppbv	97
36) Benzene	6.369	78	81933	0.485	ppbv #	92
37) 1,2-Dichloroethane	5.806	62	51902	0.491	ppbv	100
38) Trichloroethene	7.295	130	42332	0.455	ppbv	93
39) 1,2-Dichloropropane	7.076	63	29526	0.449	ppbv	91
40) 1,4-Dioxane	7.327	88	13438m	0.511	ppbv	
41) Tetrahydrofuran	5.578	42	27423	0.442	ppbv	96
42) Bromodichloromethane	7.250	83	62772	0.431	ppbv #	98
43) Methyl Methacrylate	7.481	69	26168m	0.419	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	132069	0.468	ppbv	95
45) t-1,3-Dichloropropene	8.719	75	19261	0.347	ppbv #	87

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 24 01:01:34 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	30487	0.395	ppbv	89
47) 1,1,2-Trichloroethane	8.905	97	35330m	0.497	ppbv	
48) Dibromochloromethane	9.716	129	46281	0.407	ppbv	99
49) Bromoform	12.413	173	32600m	0.368	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	71779	0.432	ppbv	99
51) 2-Hexanone	9.581	43	50843m	0.398	ppbv	
52) Tetrachloroethene	10.616	164	25789	0.489	ppbv	89
53) Toluene	9.224	91	73187m	0.405	ppbv	
54) 1,2-Dibromoethane	10.012	107	36211m	0.490	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	37954	0.468	ppbv #	1
57) Chlorobenzene	11.532	112	67628	0.479	ppbv #	88
58) Ethyl Benzene	12.098	91	95782	0.408	ppbv	91
59) m/p-Xylene	12.378	91	189512m	0.911	ppbv	
60) o-Xylene	13.066	91	86623m	0.433	ppbv	
61) Styrene	12.902	104	36532m	0.347	ppbv	
62) Isopropylbenzene	14.034	105	131760	0.458	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.050	83	35542m	0.493	ppbv	
64) n-propylbenzene	14.921	120	32297m	0.454	ppbv	
65) tert-Butylbenzene	16.095	119	107723	0.431	ppbv	92
66) Benzyl Chloride	16.336	91	6359m	0.382	ppbv	
67) sec-Butylbenzene	16.648	105	161630	0.451	ppbv	98
69) p-Isopropyltoluene	17.002	119	111482	0.392	ppbv #	93
70) n-Butylbenzene	17.895	91	132285m	0.429	ppbv	
71) 2-Chlorotoluene	14.806	91	96189	0.438	ppbv	98
72) 4-Ethyltoluene	15.204	105	100167m	0.452	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	79147	0.384	ppbv	93
74) 1,2,4-Trimethylbenzene	16.117	105	98476	0.435	ppbv #	84
75) 1,3-Dichlorobenzene	16.336	146	59899m	0.484	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	57559m	0.474	ppbv	
77) 1,2-Dichlorobenzene	17.150	146	57317m	0.466	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	43093m	0.510	ppbv	
79) Naphthalene	21.400	128	50130m	0.394	ppbv	
80) Naphthalene,2-methyl-	24.387	142	10989m	0.304	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	31185m	0.392	ppbv	

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

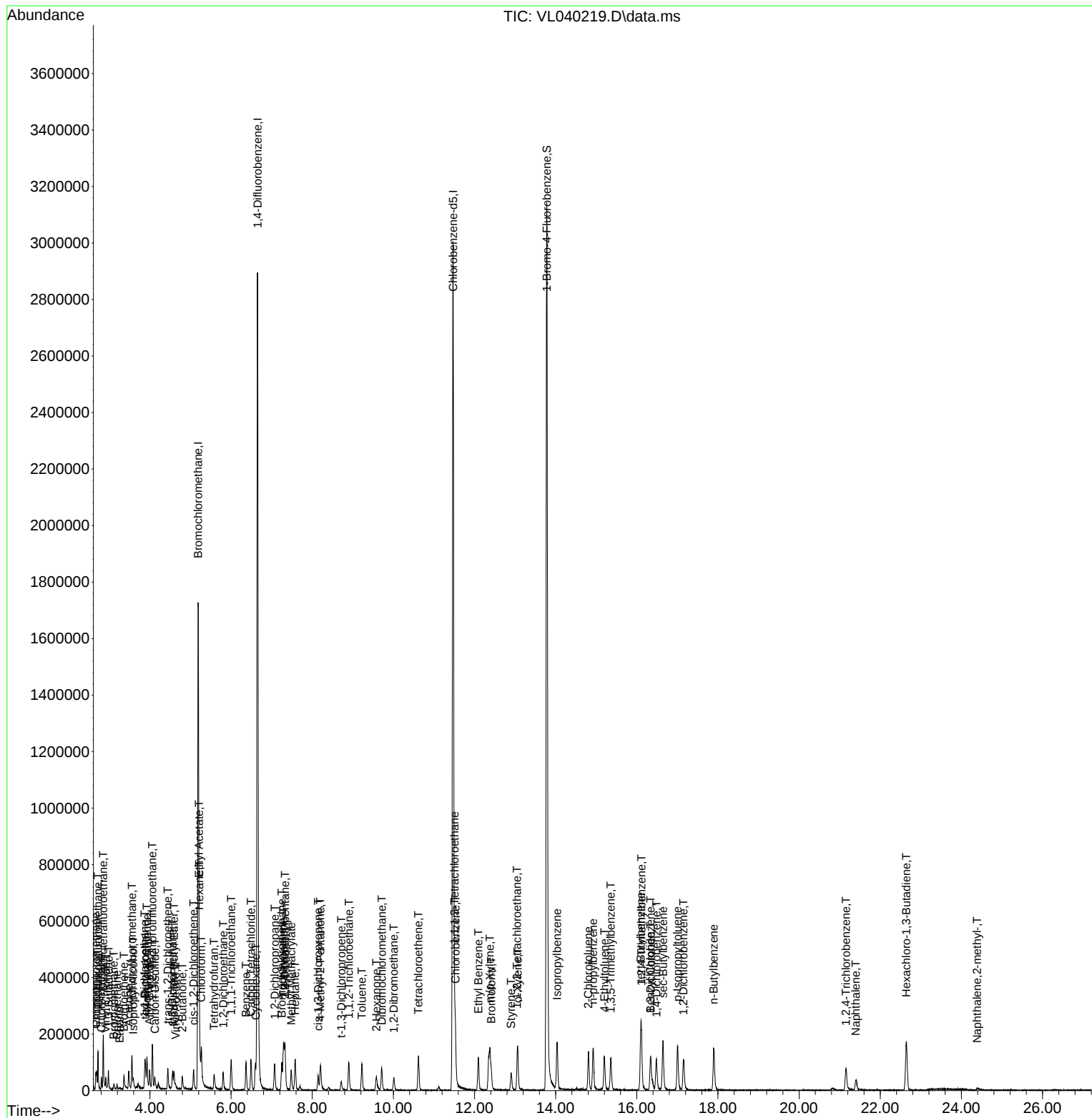
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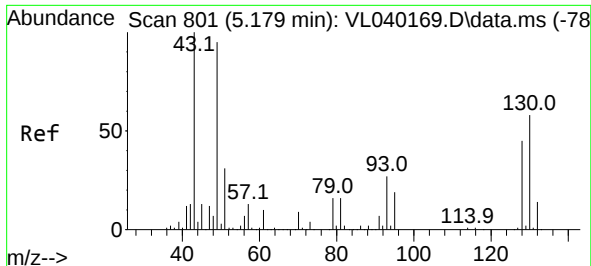
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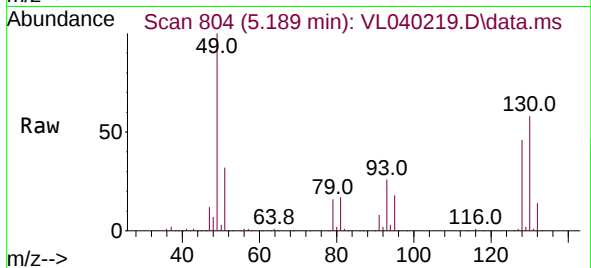
Reviewed By : Semsettin Yesilyurt 02/24/2023
Supervised By : Mahesh Dadoda 02/24/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 801
Delta R.T. -0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

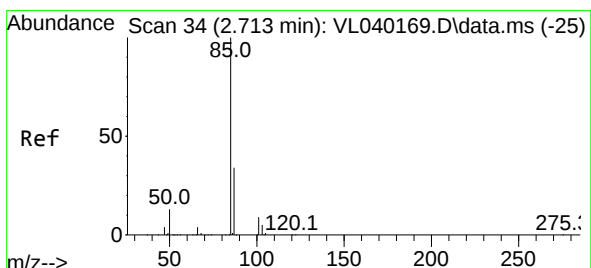
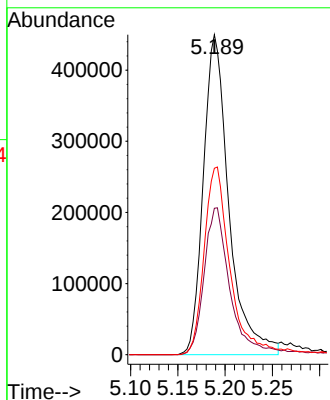
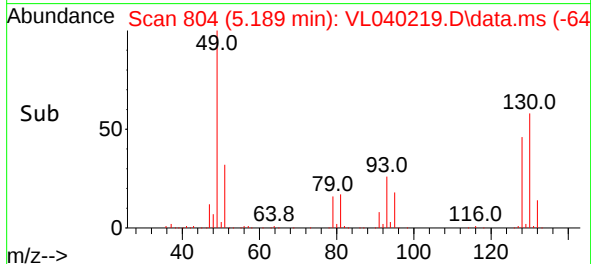
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



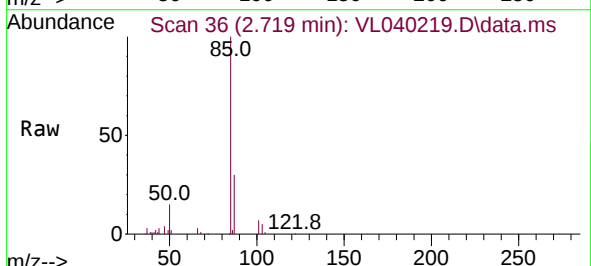
Tgt Ion: 49 Resp: 845418
Ion Ratio Lower Upper
49 100
128 47.7 24.1 72.3
130 61.9 30.9 92.8

Manual Integrations
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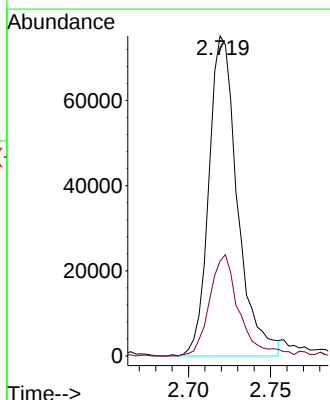
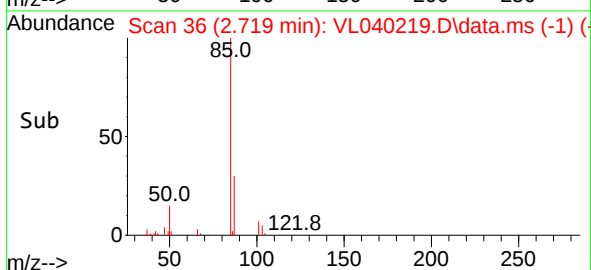
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

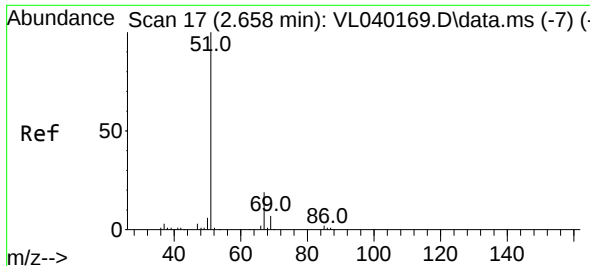


#2
Dichlorodifluoromethane
Concen: 0.578 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35



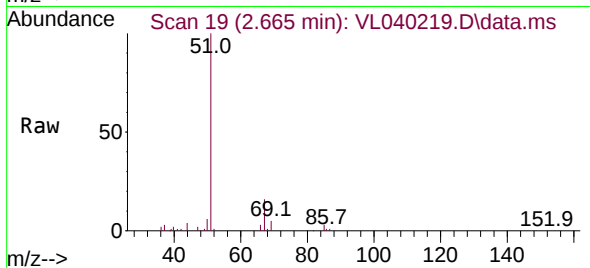
Tgt Ion: 85 Resp: 91030
Ion Ratio Lower Upper
85 100
87 29.7 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.520 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

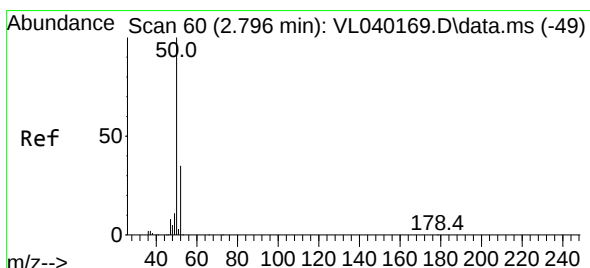
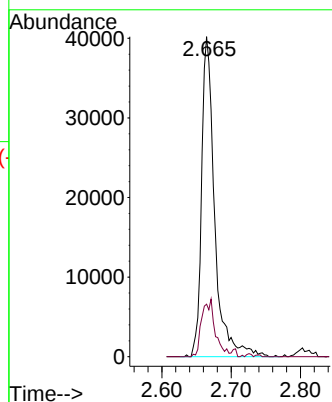
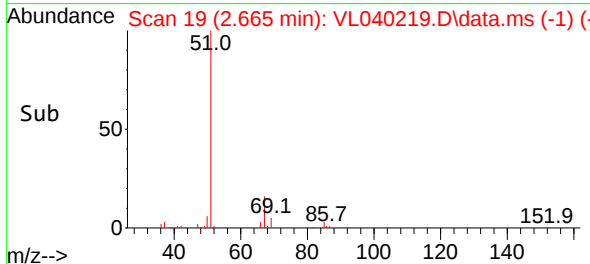
Instrument :
MSVOA_L
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MDL-AIR-03-QT1-2023



Tgt Ion: 51 Resp: 5254
Ion Ratio Lower Upper
51 100
67 20.0 15.4 23.2

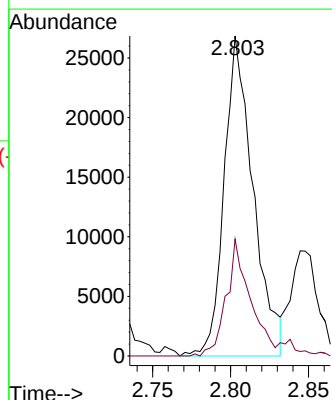
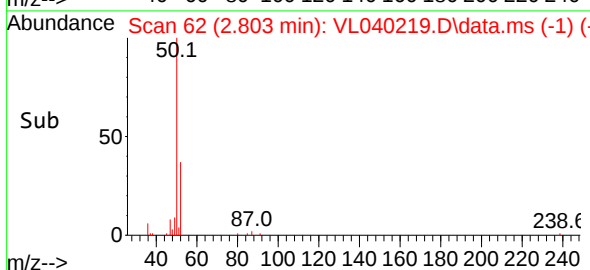
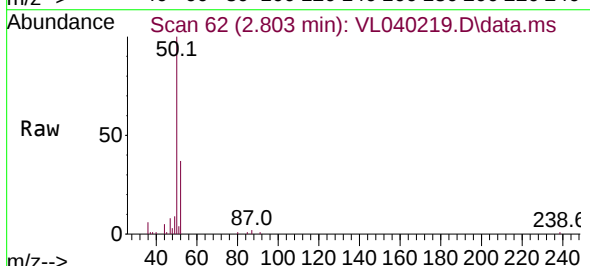
Manual Integrations
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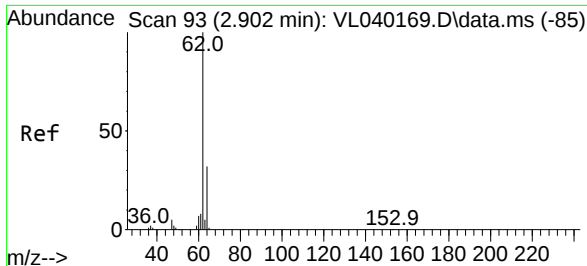
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#4
Chloromethane
Concen: 0.548 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 50 Resp: 34751
Ion Ratio Lower Upper
50 100
52 36.5 28.3 42.5





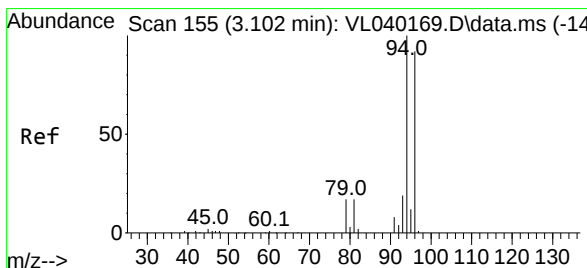
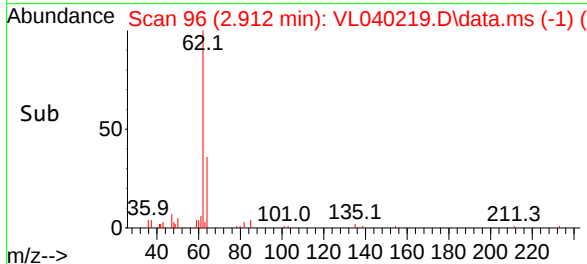
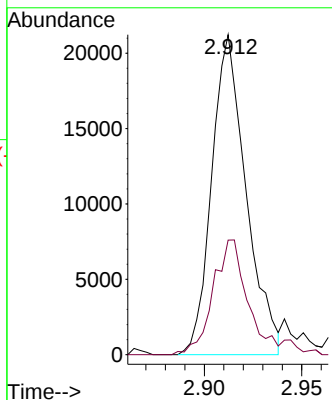
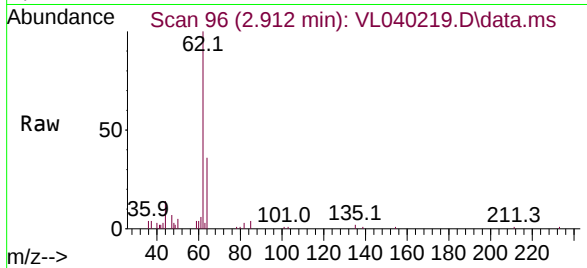
#5
 Vinyl Chloride
 Concen: 0.511 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Tgt Ion: 62 Resp: 2606
 Ion Ratio Lower Upper
 62 100
 64 34.8 25.6 38.4

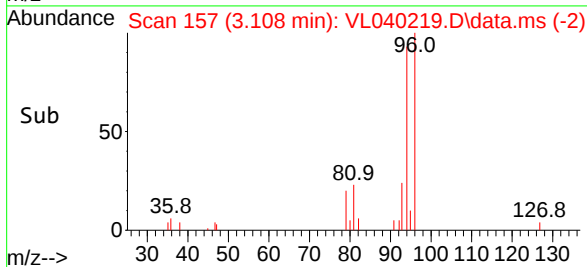
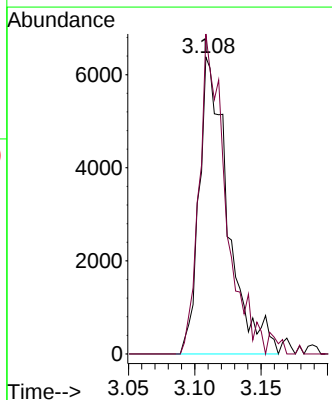
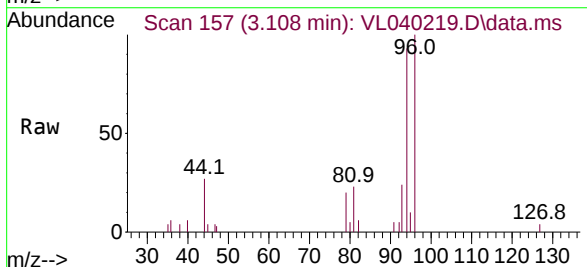
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#6
 Bromomethane
 Concen: 0.524 ppbv m
 RT: 3.108 min Scan# 157
 Delta R.T. -0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

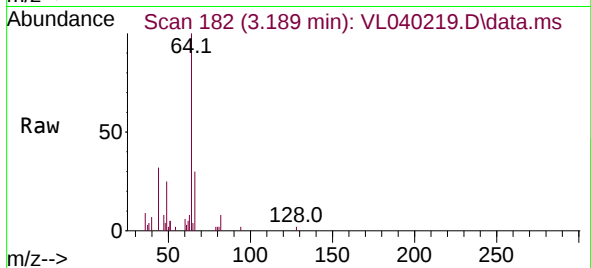
Tgt Ion: 94 Resp: 9635
 Ion Ratio Lower Upper
 94 100
 96 107.8 73.4 110.2





#7
Chloroethane
Concen: 0.501 ppbv m
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

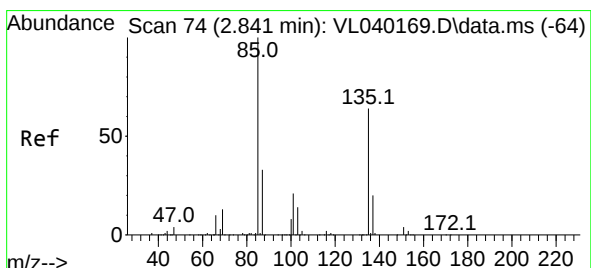
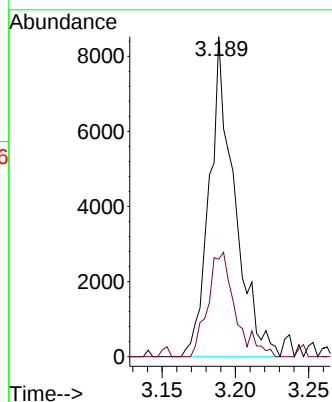
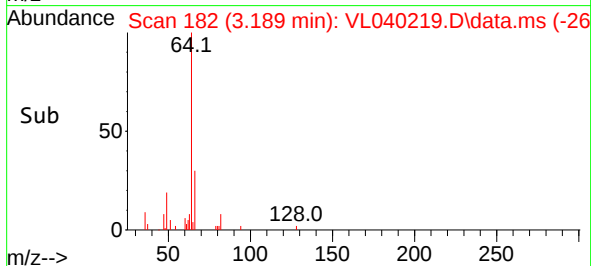
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 64 Resp: 10130
Ion Ratio Lower Upper
64 100
66 30.5 25.4 38.2

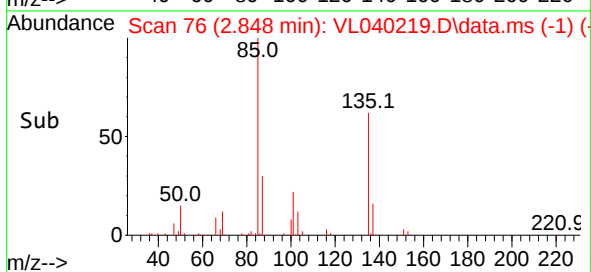
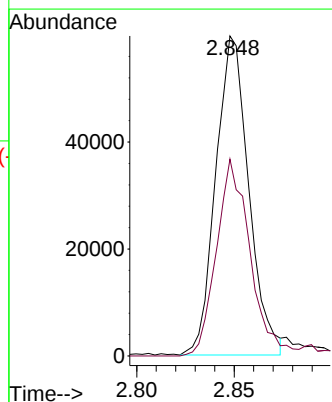
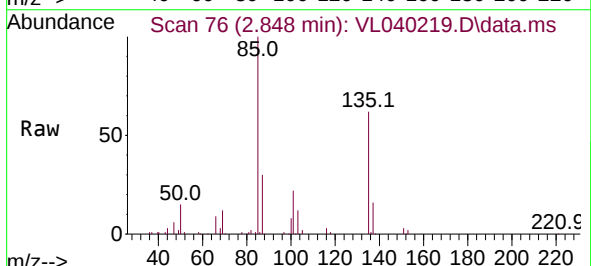
Manual Integrations
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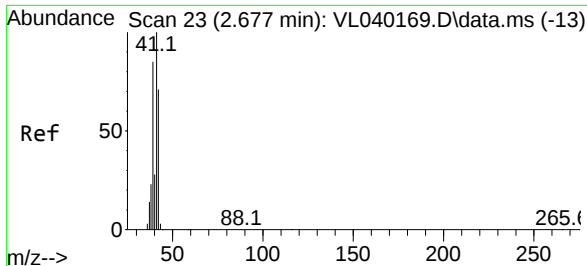
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#8
Dichlorotetrafluoroethane
Concen: 0.517 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

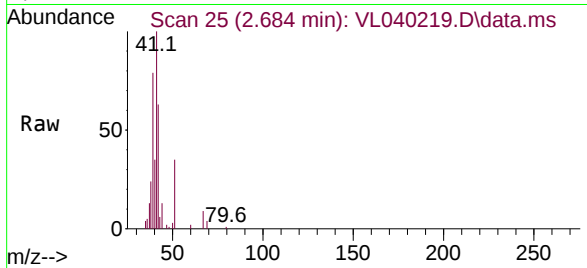
Tgt Ion: 85 Resp: 70160
Ion Ratio Lower Upper
85 100
135 66.3 51.5 77.3





#9
 Propene
 Concen: 0.566 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

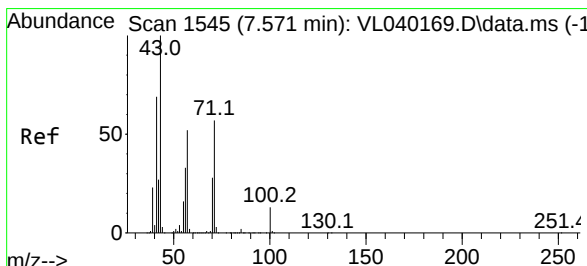
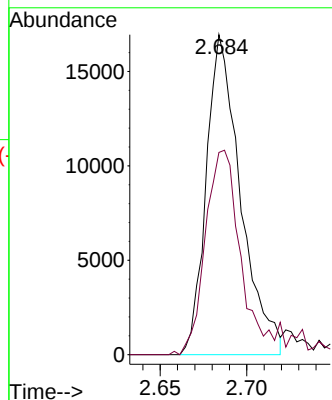
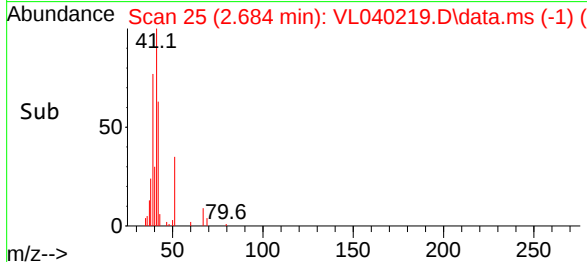
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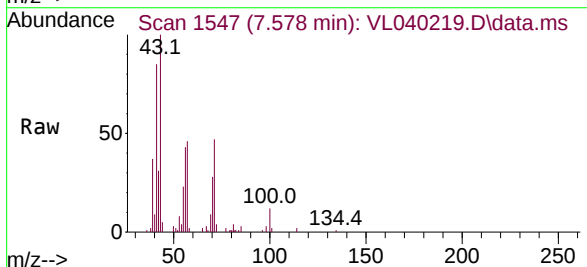
Tgt Ion: 41 Resp: 2332
 Ion Ratio Lower Upper
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 42 71.8 56.9 85.3

Manual Integrations
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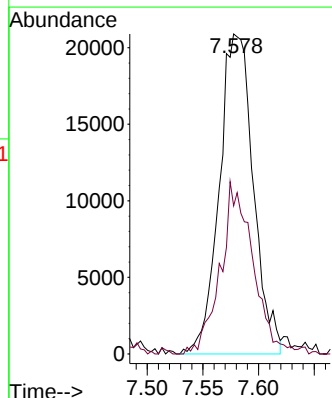
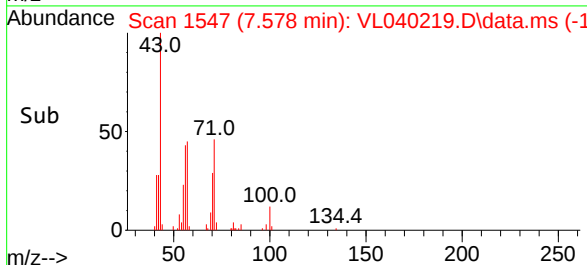
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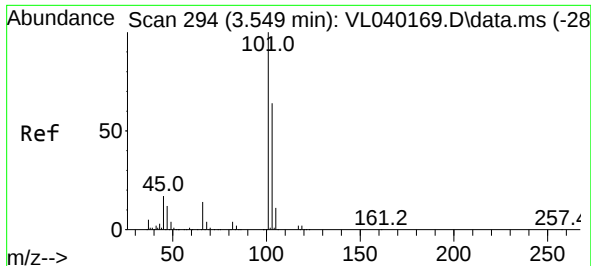


#10
 Heptane
 Concen: 0.453 ppbv
 RT: 7.578 min Scan# 1547
 Delta R.T. -0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35



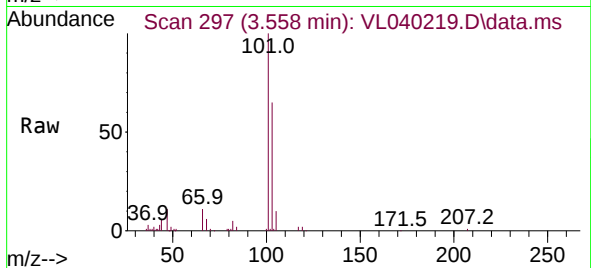
Tgt Ion: 43 Resp: 44408
 Ion Ratio Lower Upper
 43 100
 57 51.7 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.517 ppbv
RT: 3.558 min Scan# 294
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

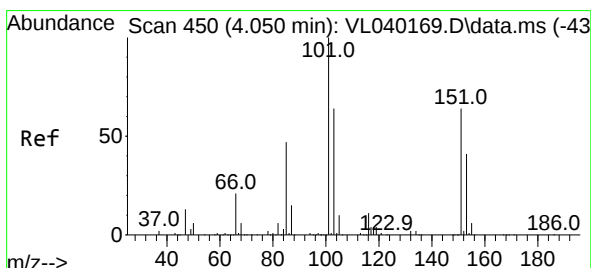
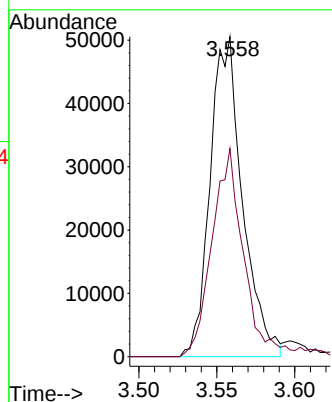
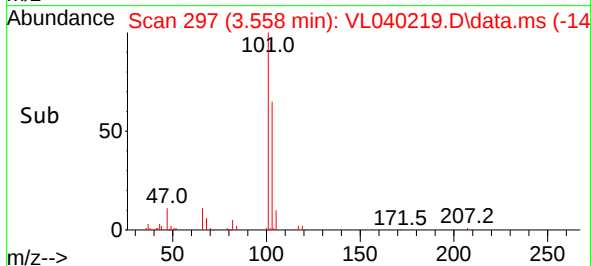
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion:101 Resp: 73035
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

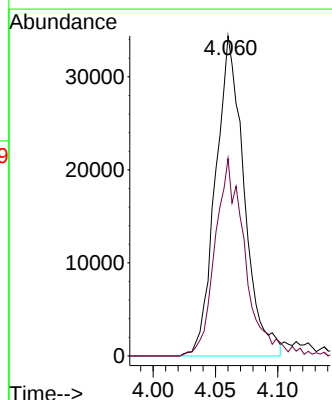
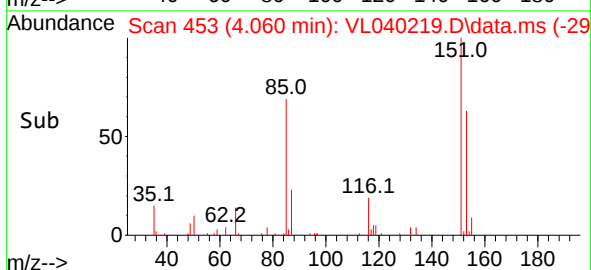
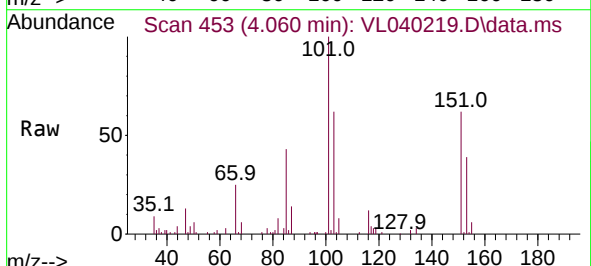
Manual Integrations
APPROVED

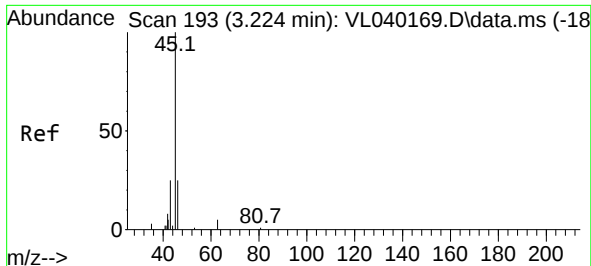
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.526 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:101 Resp: 54876
Ion Ratio Lower Upper
101 100
151 65.8 54.7 82.1





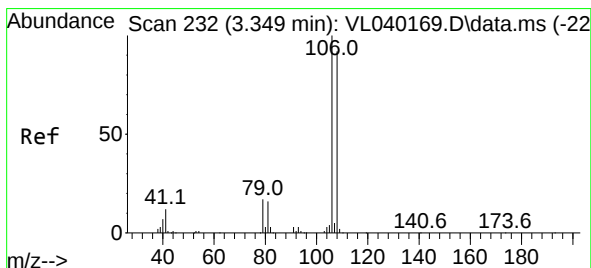
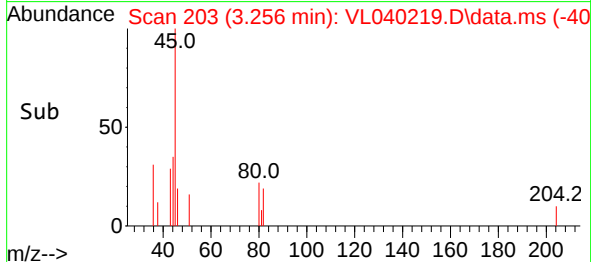
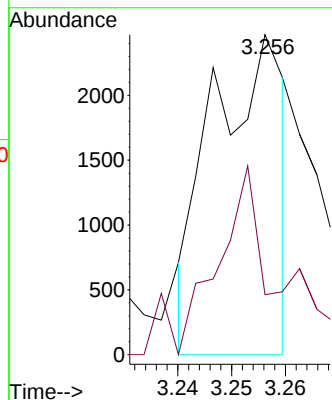
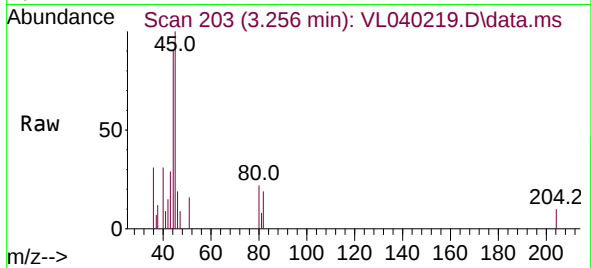
#13
Ethanol
Concen: 0.596 ppbv m
RT: 3.256 min Scan# 203
Delta R.T. 0.023 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 45 Resp: 2259
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1

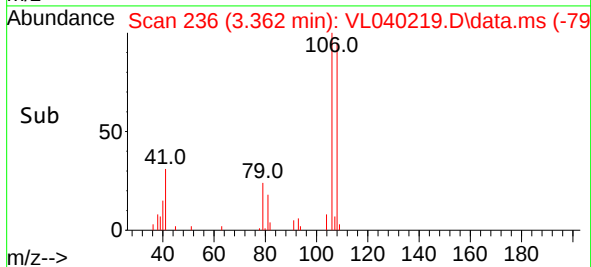
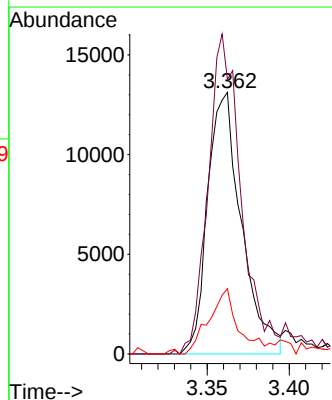
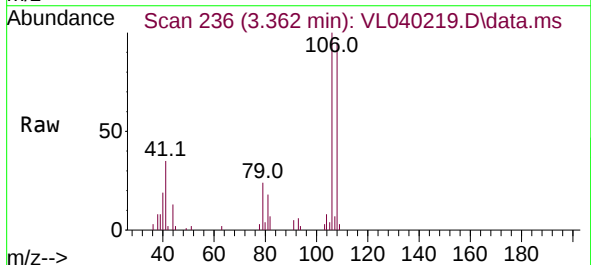
Manual Integrations
APPROVED

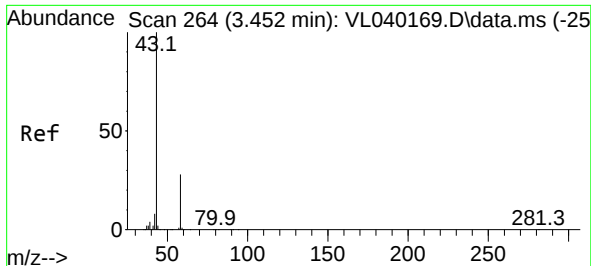
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#14
Bromoethene
Concen: 0.472 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

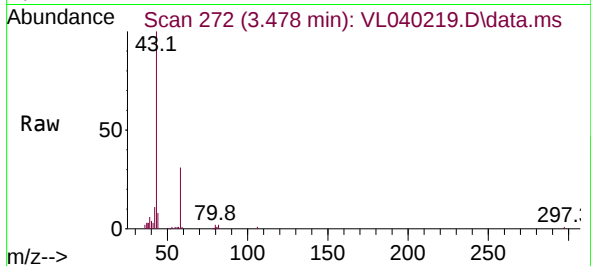
Tgt Ion:108 Resp: 18891
Ion Ratio Lower Upper
108 100
106 127.6 87.1 130.7
79 27.5 15.4 23.2





#15
Acetone
Concen: 0.640 ppbv m
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

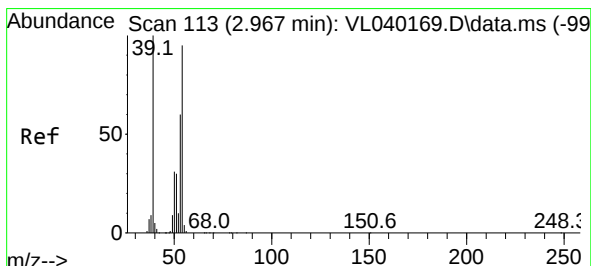
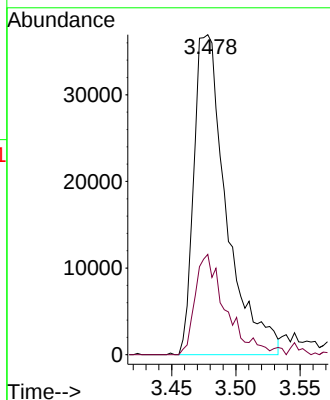
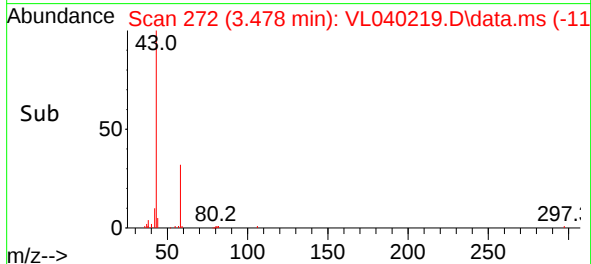
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 43 Resp: 6514
Ion Ratio Lower Upper
43 100
58 29.2 22.4 33.6

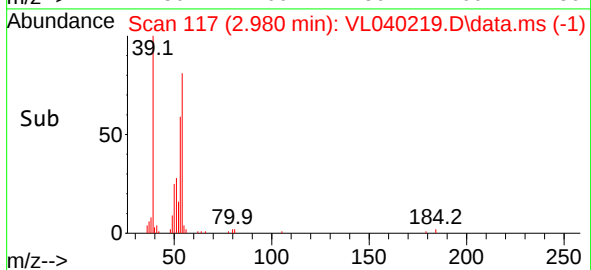
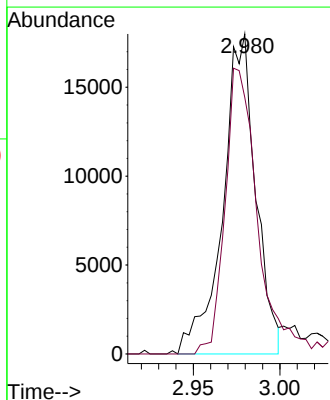
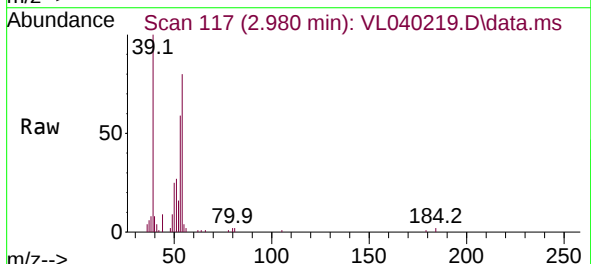
Manual Integrations
APPROVED

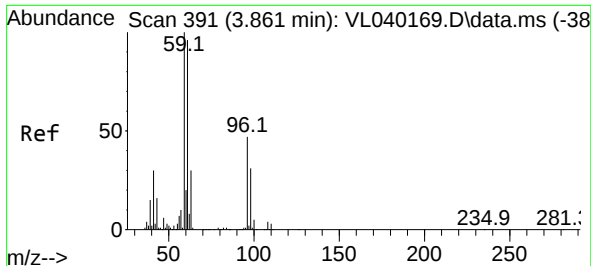
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#16
1,3-Butadiene
Concen: 0.512 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 39 Resp: 23791
Ion Ratio Lower Upper
39 100
54 90.1 66.7 100.1





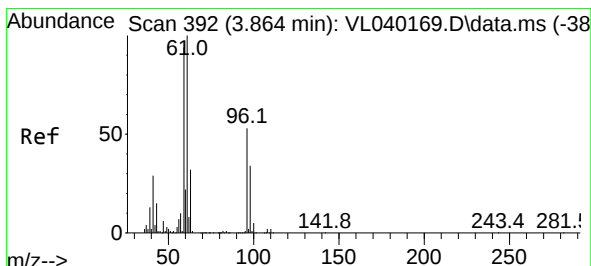
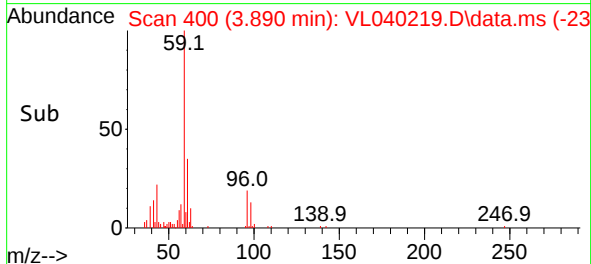
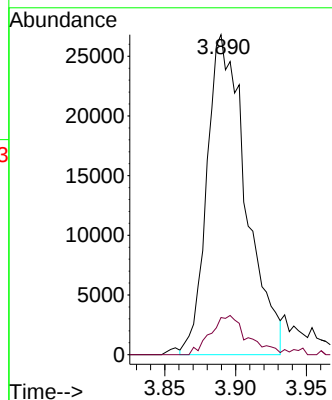
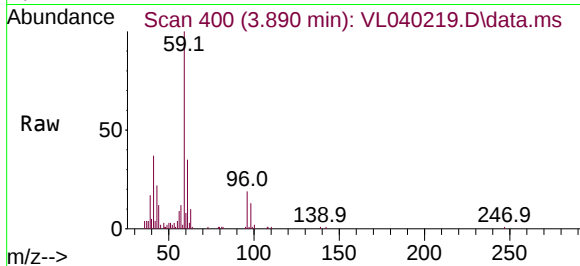
#17
tert-Butyl alcohol
Concen: 0.552 ppbv
RT: 3.890 min Scan# 400
Delta R.T. 0.019 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 59 Resp: 51210
Ion Ratio Lower Upper
59 100
57 12.4 8.5 12.7

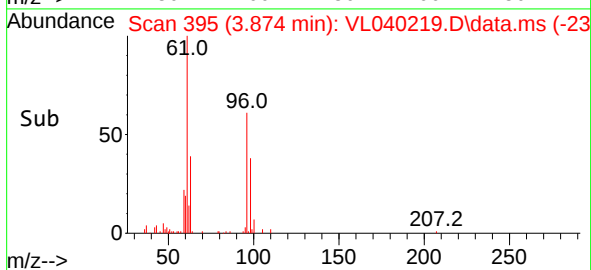
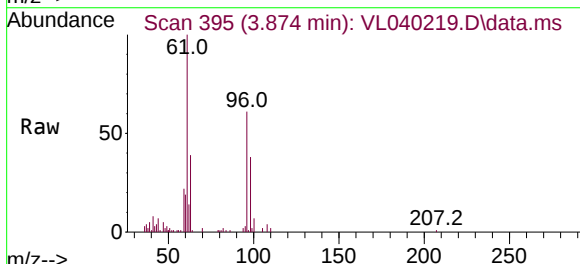
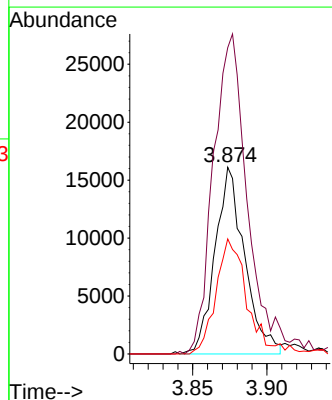
Manual Integrations
APPROVED

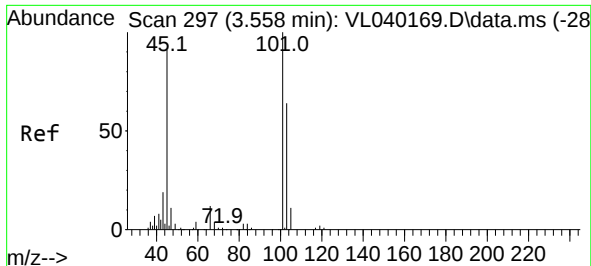
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#18
1,1-Dichloroethene
Concen: 0.493 ppbv
RT: 3.874 min Scan# 395
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 96 Resp: 22343
Ion Ratio Lower Upper
96 100
61 162.7 149.6 224.4
98 61.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.578 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.023 min

Lab File: VL040219.D

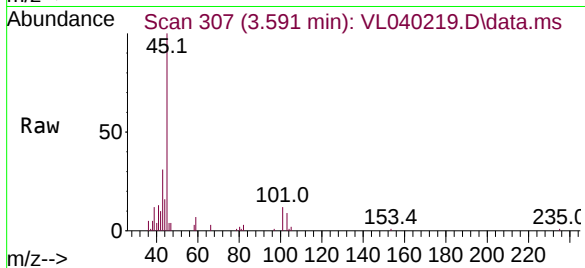
Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



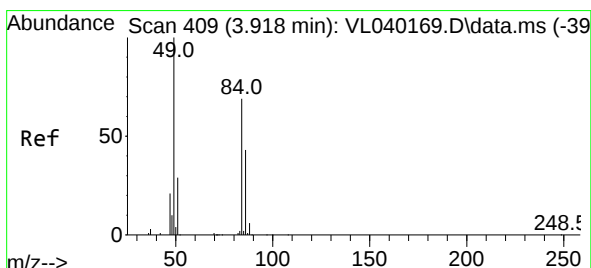
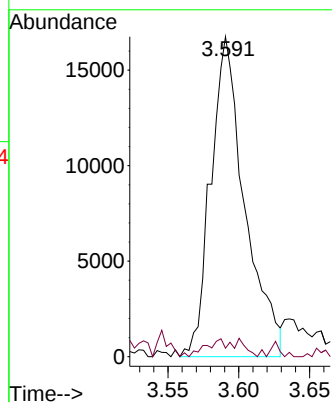
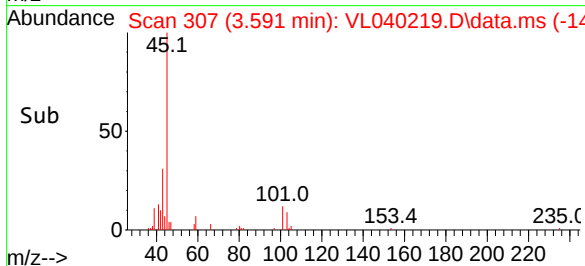
Tgt Ion: 45 Resp: 27979

Ion	Ratio	Lower	Upper
45	100		
58	5.3	2.6	3.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#20

Methylene Chloride

Concen: 0.675 ppbv

RT: 3.925 min Scan# 411

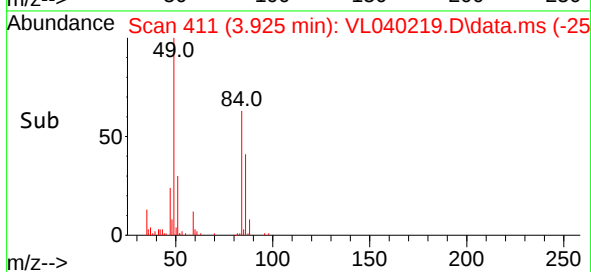
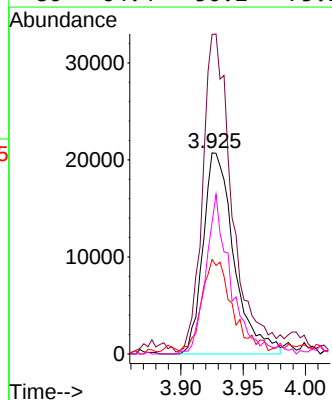
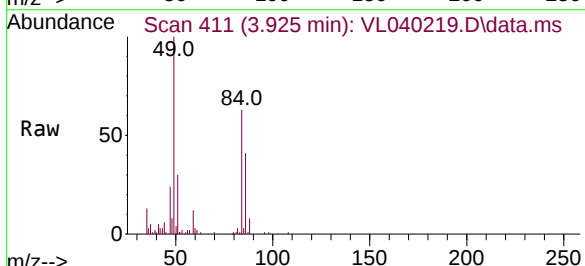
Delta R.T. 0.000 min

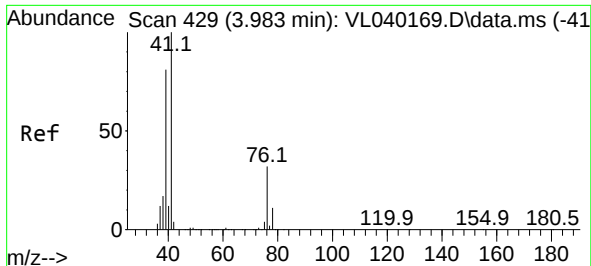
Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion: 84 Resp: 35770

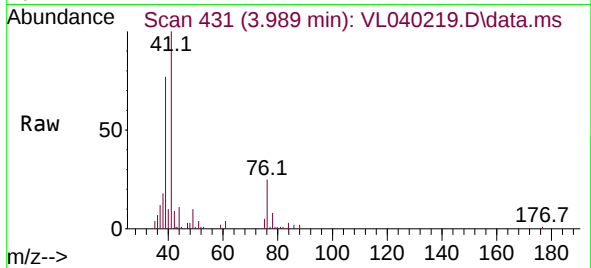
Ion	Ratio	Lower	Upper
84	100		
49	157.3	115.5	173.3
51	45.5	33.1	49.7
86	64.4	50.2	75.2





#21
 Allyl Chloride
 Concen: 0.504 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

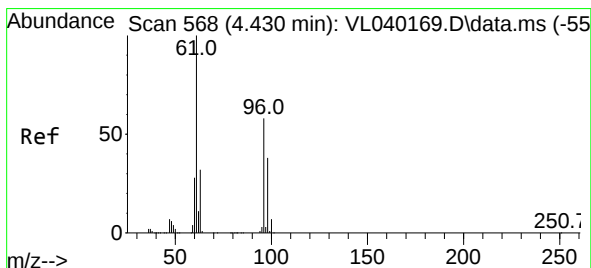
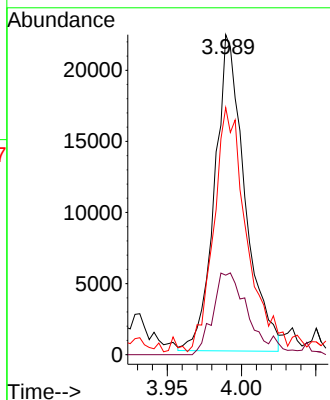
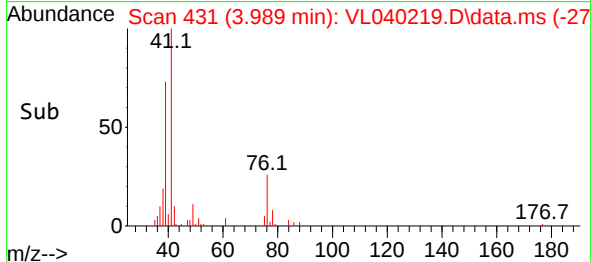
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



Tgt Ion: 41 Resp: 31460
 Ion Ratio Lower Upper
 41 100
 76 32.1 25.5 38.3
 39 94.2 64.5 96.7

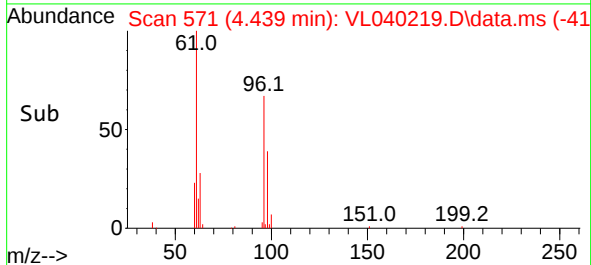
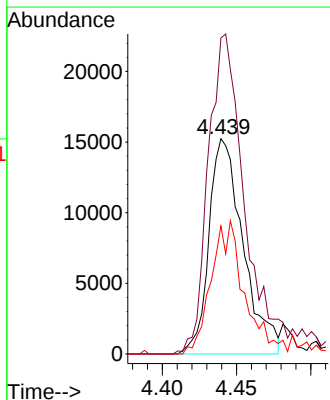
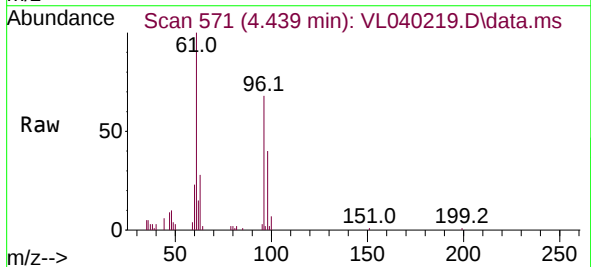
Manual Integrations
 APPROVED

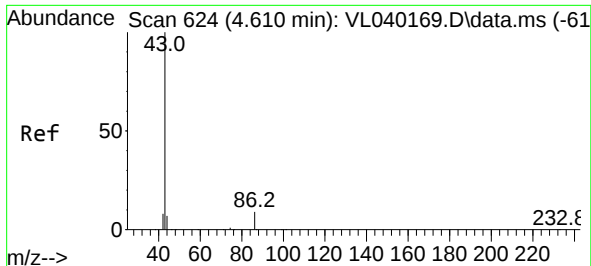
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.520 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

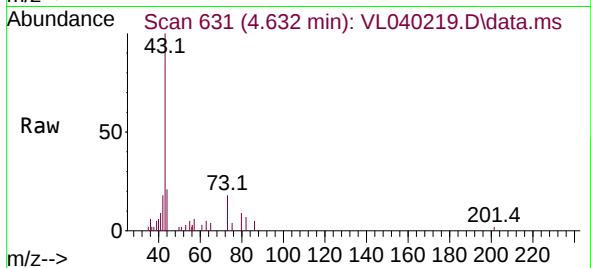
Tgt Ion: 96 Resp: 24390
 Ion Ratio Lower Upper
 96 100
 61 145.5 137.5 206.3
 98 59.4 52.8 79.2





#23
 Vinyl Acetate
 Concen: 0.579 ppbv m
 RT: 4.632 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

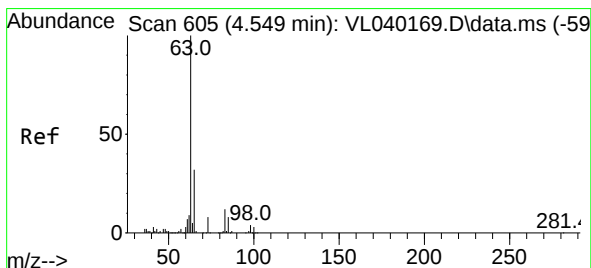
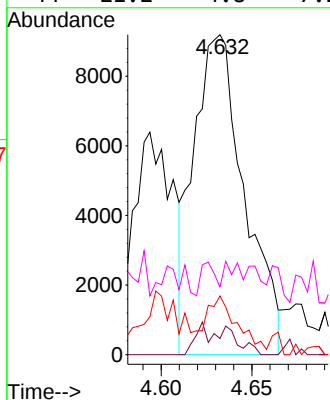
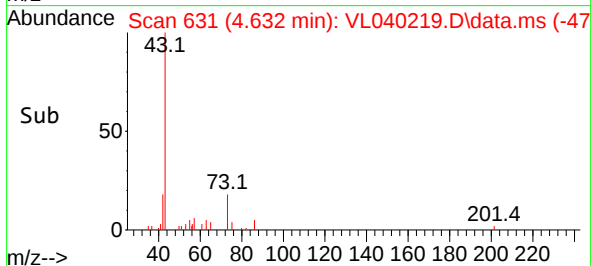
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



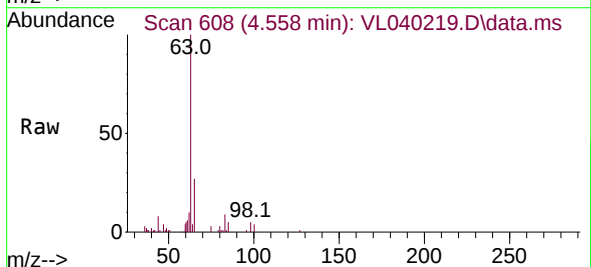
Tgt Ion: 43 Resp: 17872
 Ion Ratio Lower Upper
 43 100
 86 5.1 5.6 8.4
 42 18.4 7.6 11.4
 44 21.2 4.8 7.2

Manual Integrations
 APPROVED

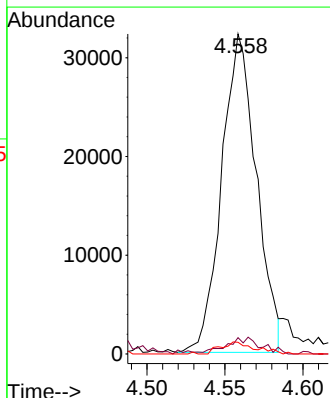
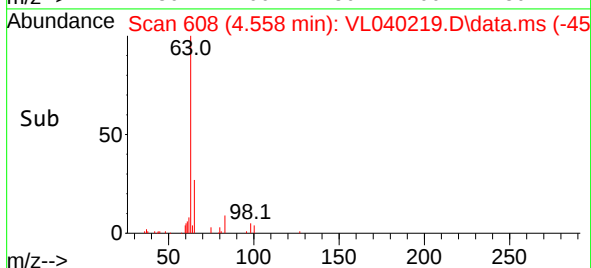
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

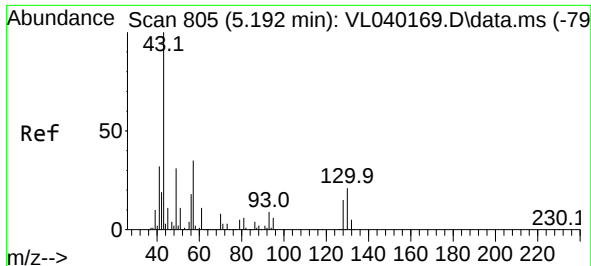


#24
 1,1-Dichloroethane
 Concen: 0.516 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35



Tgt Ion: 63 Resp: 49790
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.3 6.8
 100 3.7 1.4 4.0





#25

Ethyl Acetate

Concen: 0.505 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 43 Resp: 9556

Ion Ratio Lower Upper

43 100

45 11.6 8.3 12.5

61 10.6 8.4 12.6

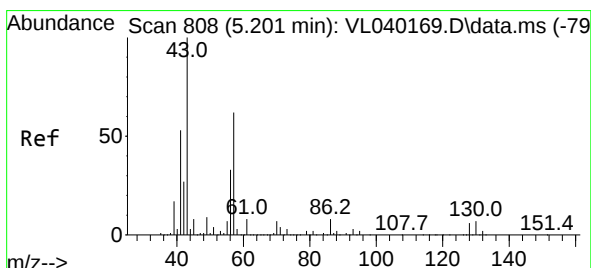
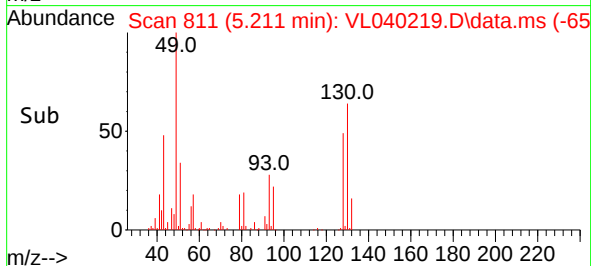
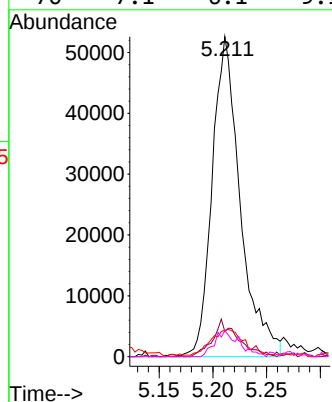
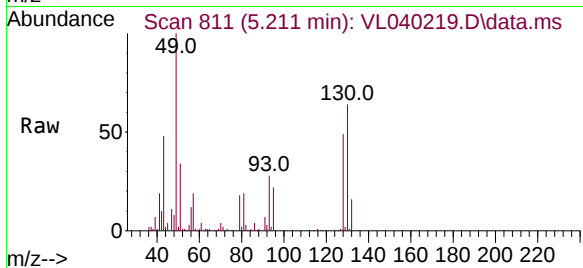
70 7.1 6.1 9.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#26

Hexane

Concen: 0.515 ppbv m

RT: 5.214 min Scan# 812

Delta R.T. 0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion: 57 Resp: 41838

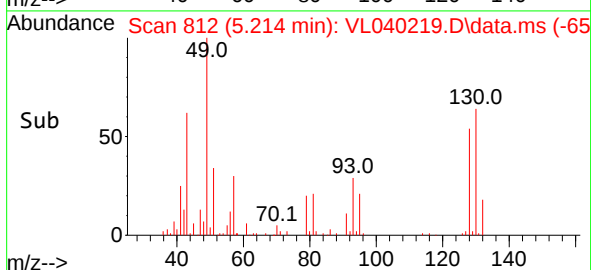
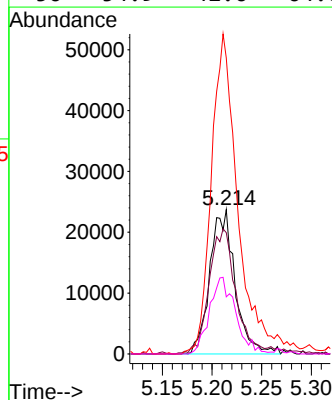
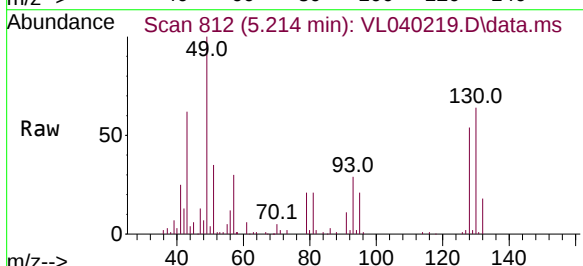
Ion Ratio Lower Upper

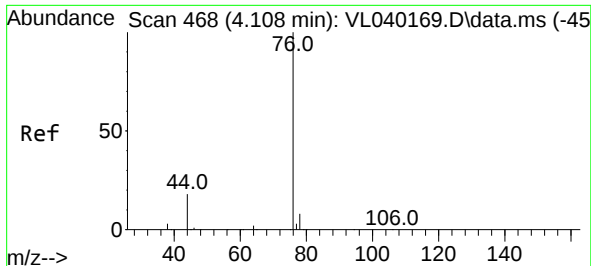
57 100

41 95.8 74.3 111.5

43 235.1 193.0 289.4

56 54.9 42.6 64.0





#27

Carbon Disulfide

Concen: 0.439 ppbv

RT: 4.124 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 76 Resp: 45229

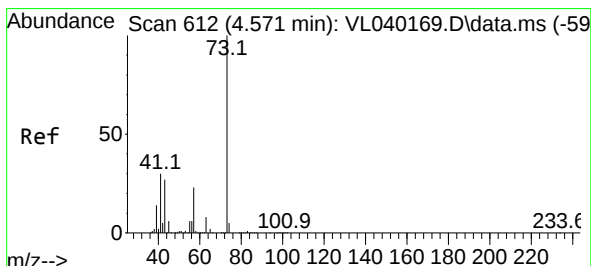
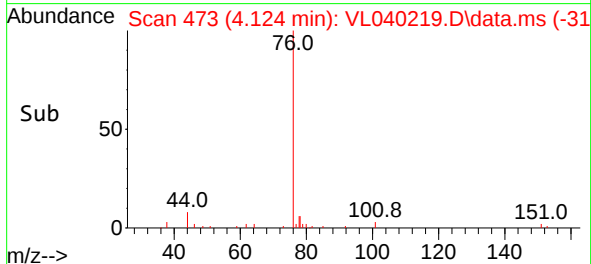
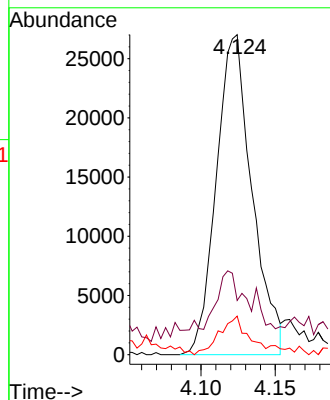
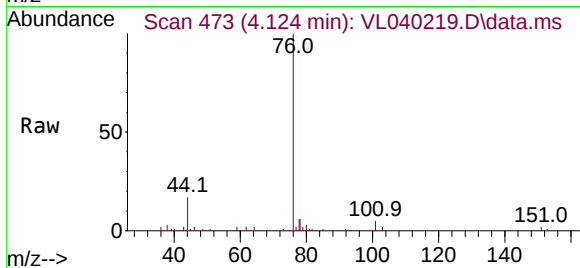
Ion	Ratio	Lower	Upper
76	100		
44	25.3	15.3	22.9
78	12.7	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#28

Methyl tert-Butyl Ether

Concen: 0.508 ppbv m

RT: 4.591 min Scan# 618

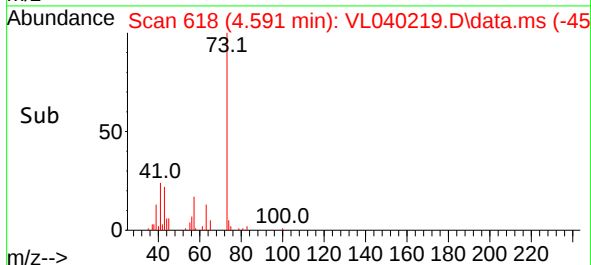
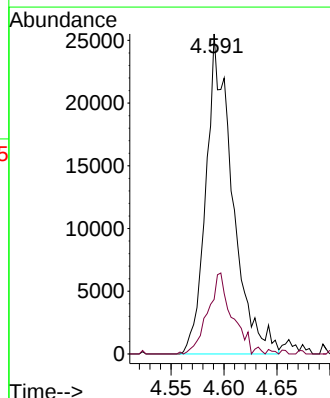
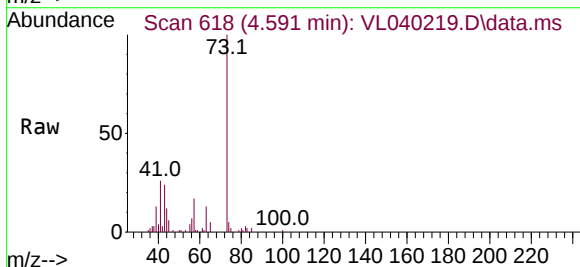
Delta R.T. 0.010 min

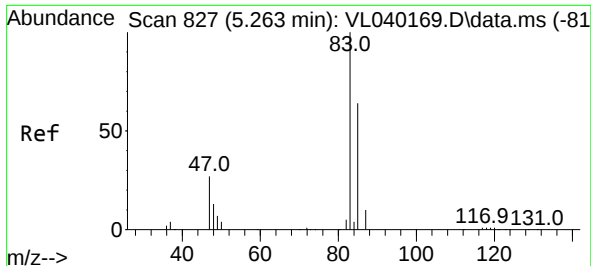
Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion: 73 Resp: 44229

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.8	28.2





#29

Chloroform

Concen: 0.491 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 83 Resp: 6844

Ion Ratio Lower Upper

83 100

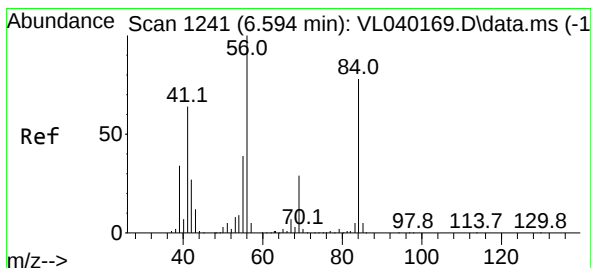
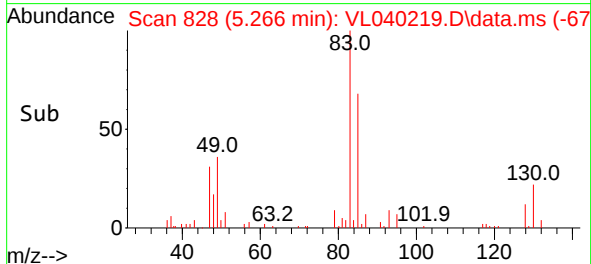
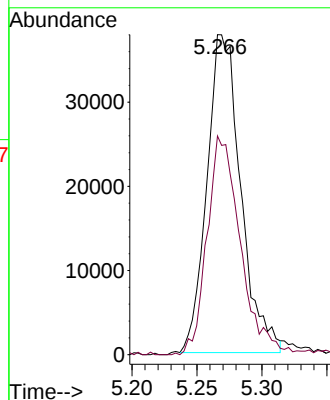
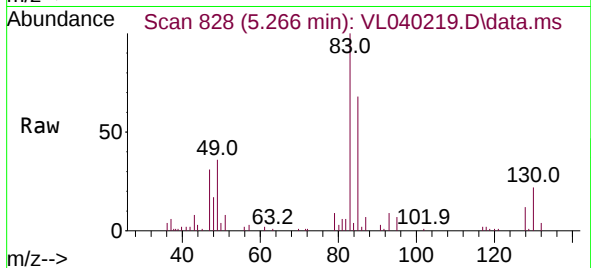
85 68.8 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#30

Cyclohexane

Concen: 0.571 ppbv m

RT: 6.607 min Scan# 1245

Delta R.T. 0.007 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

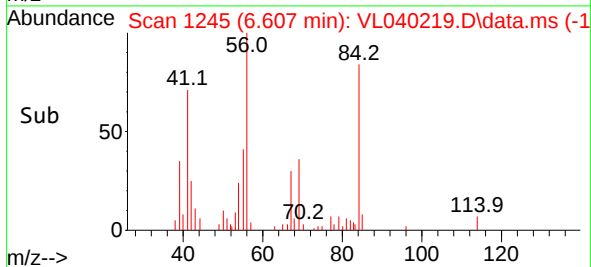
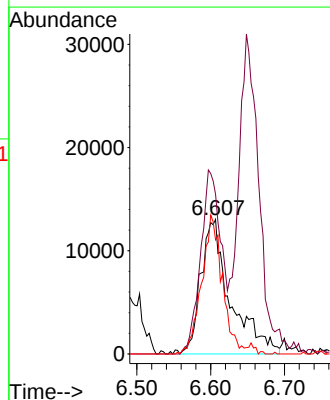
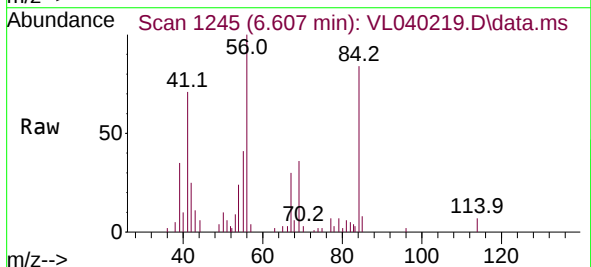
Tgt Ion: 84 Resp: 36429

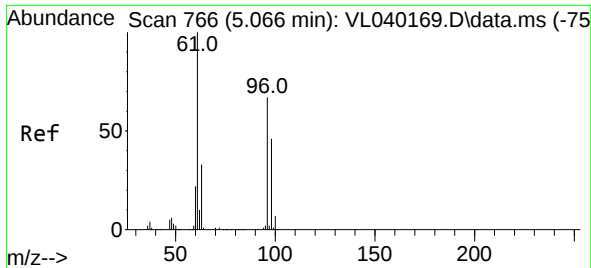
Ion Ratio Lower Upper

84 100

56 102.0 109.9 164.9#

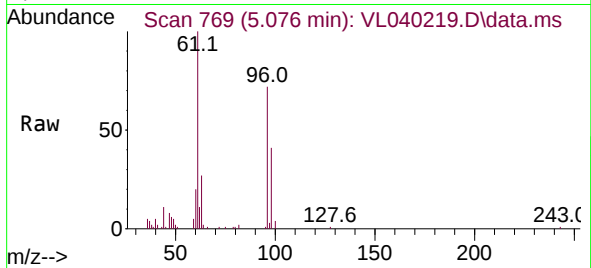
41 73.9 67.8 101.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.460 ppbv
 RT: 5.076 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

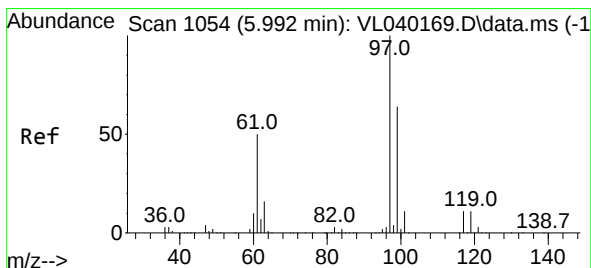
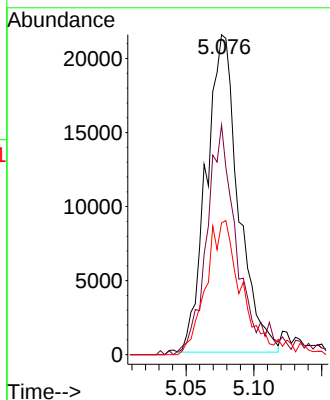
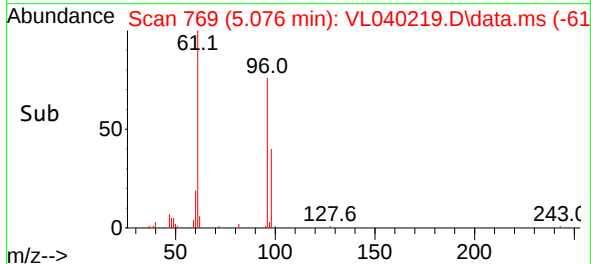
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



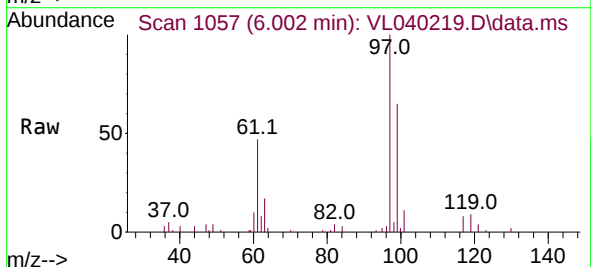
Tgt Ion: 61 Resp: 35474
 Ion Ratio Lower Upper
 61 100
 96 71.2 53.7 80.5
 98 41.5 36.4 54.6

Manual Integrations
 APPROVED

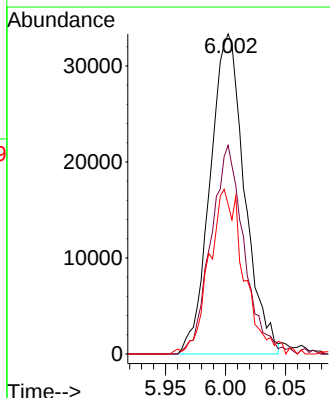
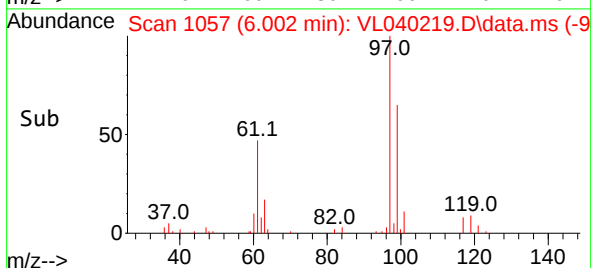
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

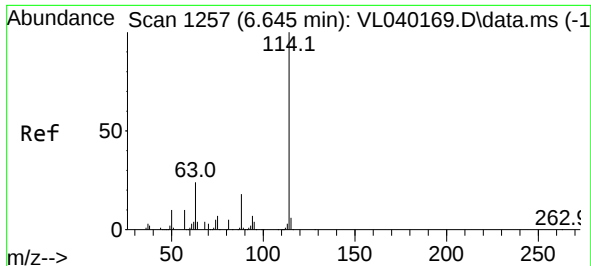


#32
 1,1,1-Trichloroethane
 Concen: 0.508 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35



Tgt Ion: 97 Resp: 66569
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.5 77.3
 61 52.0 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040219.D

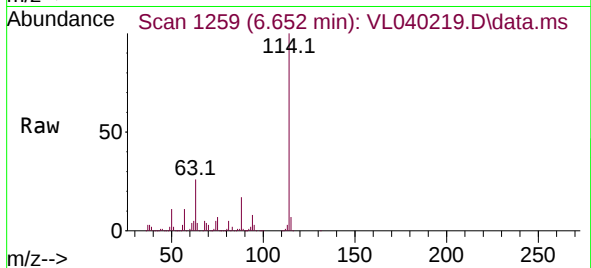
Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:114 Resp: 217001

Ion Ratio Lower Upper

114 100

63 25.9 20.4 30.6

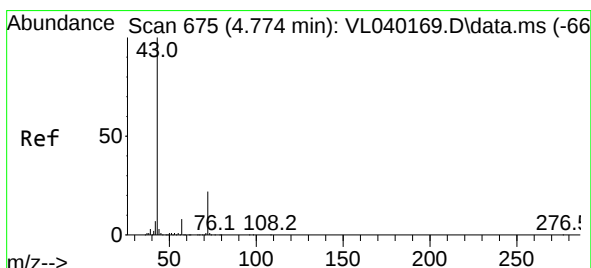
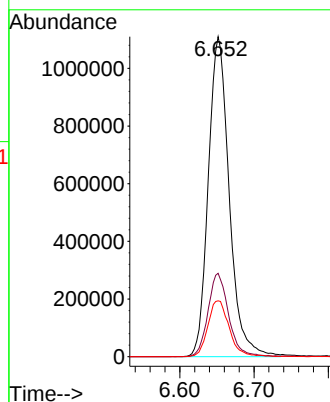
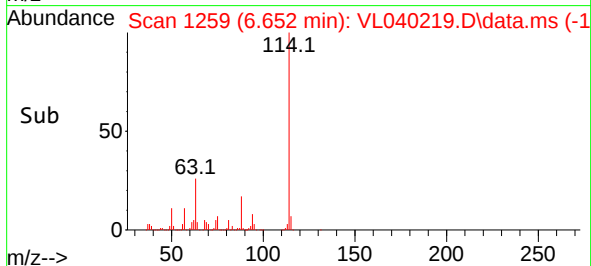
88 18.0 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#34

2-Butanone

Concen: 0.520 ppbv m

RT: 4.800 min Scan# 683

Delta R.T. 0.019 min

Lab File: VL040219.D

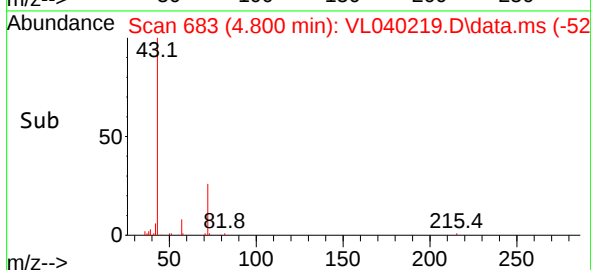
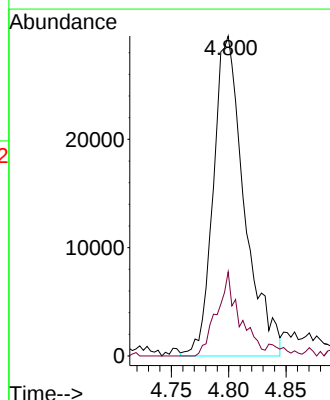
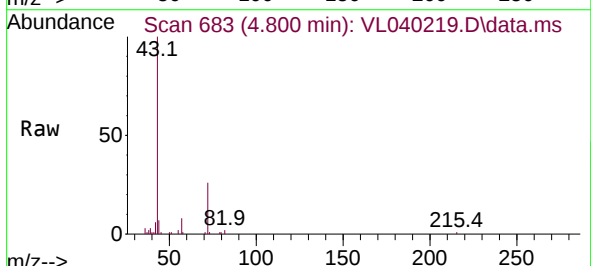
Acq: 23 Feb 2023 12:35

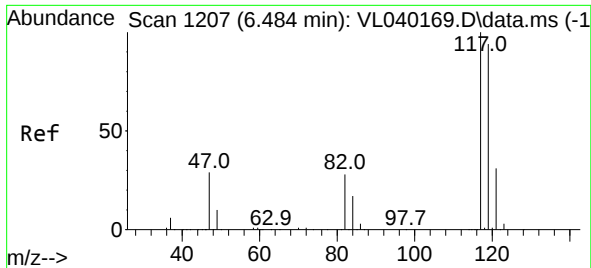
Tgt Ion: 43 Resp: 55626

Ion Ratio Lower Upper

43 100

72 22.2 17.8 26.8





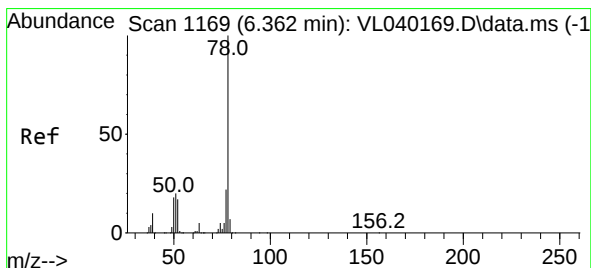
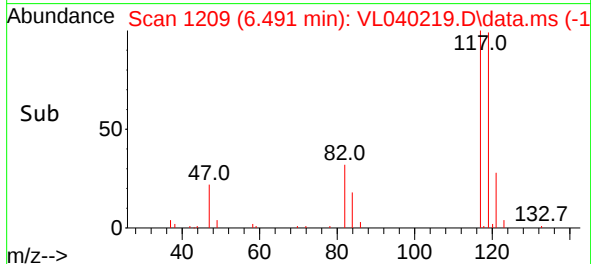
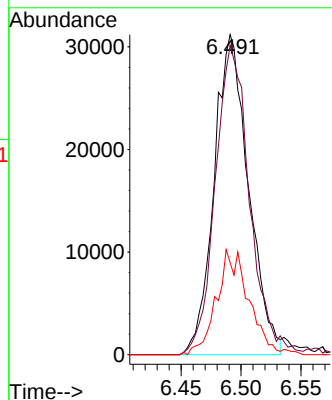
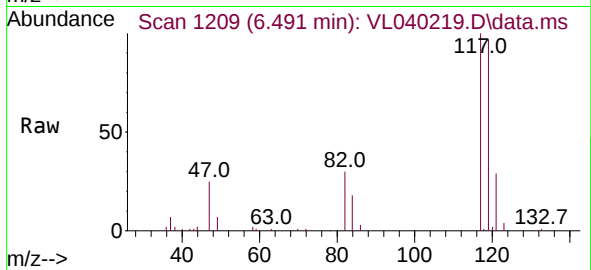
#35
Carbon Tetrachloride
Concen: 0.485 ppbv
RT: 6.491 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT1-2023

Tgt Ion: 117 Resp: 62262
Ion Ratio Lower Upper
117 100
119 96.6 75.0 112.6
121 28.8 25.0 37.4

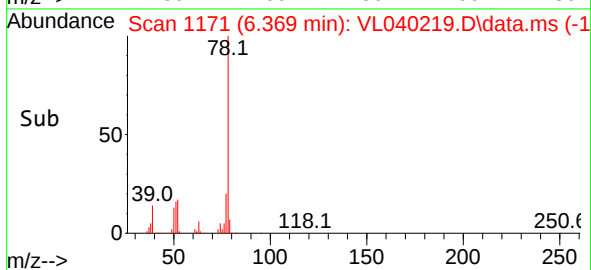
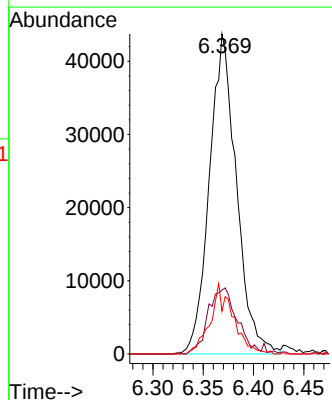
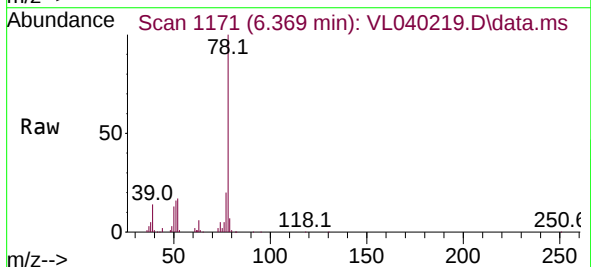
Manual Integrations
APPROVED

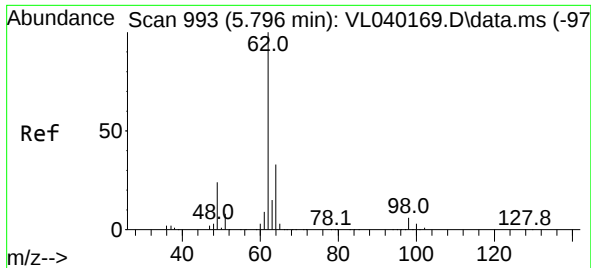
Reviewed By : Semsettin Yesilyurt 02/24/2023
Supervised By : Mahesh Dadoda 02/24/2023



#36
Benzene
Concen: 0.485 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 78 Resp: 81933
Ion Ratio Lower Upper
78 100
77 19.5 17.5 26.3
50 13.5 14.6 22.0#





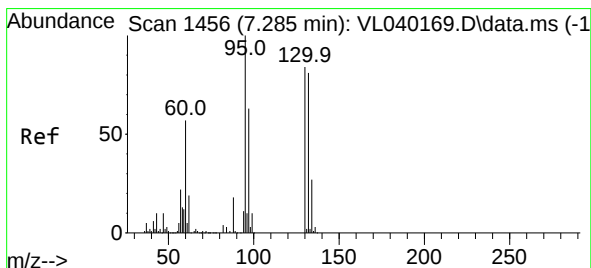
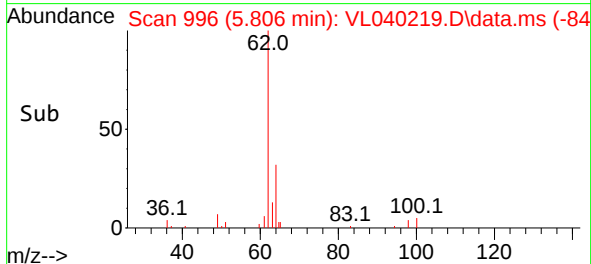
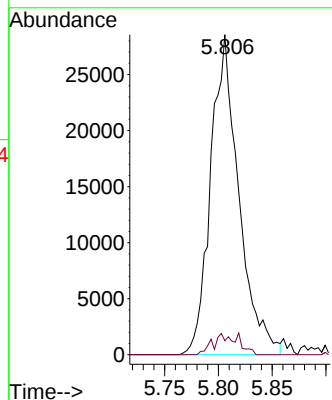
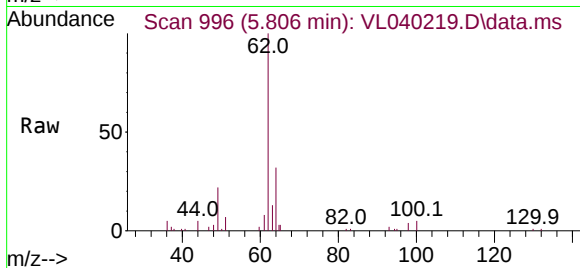
#37
1,2-Dichloroethane
Concen: 0.491 ppbv
RT: 5.806 min Scan# 996
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 62 Resp: 51902
Ion Ratio Lower Upper
62 100
98 5.9 4.7 7.1

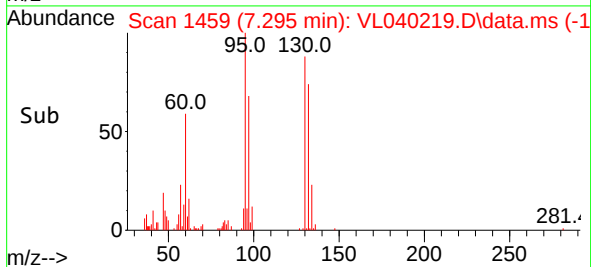
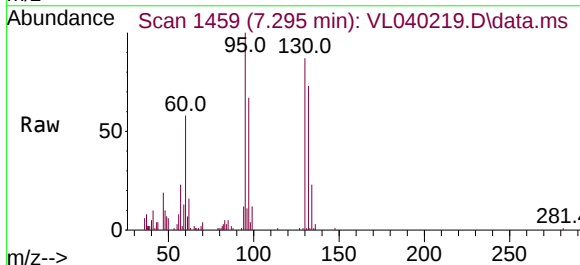
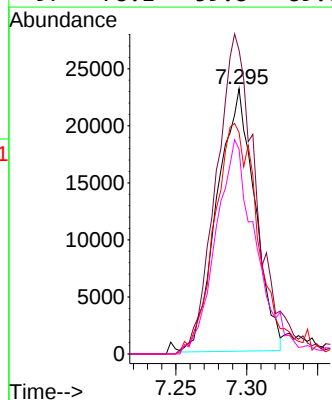
Manual Integrations
APPROVED

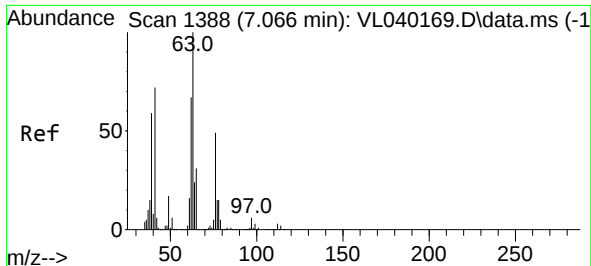
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#38
Trichloroethene
Concen: 0.455 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:130 Resp: 42332
Ion Ratio Lower Upper
130 100
95 114.4 94.7 142.1
132 83.8 76.4 114.6
97 78.1 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.449 ppbv

RT: 7.076 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

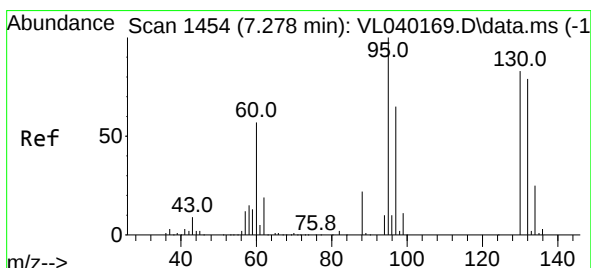
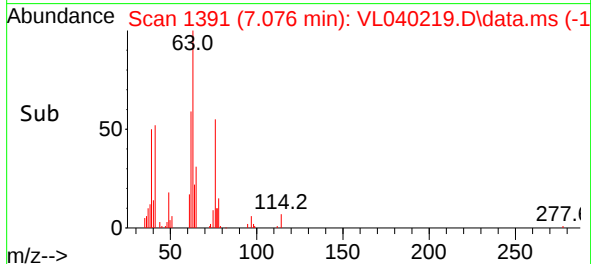
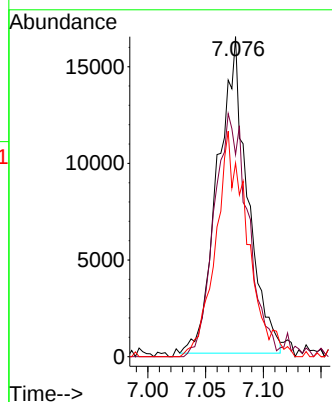
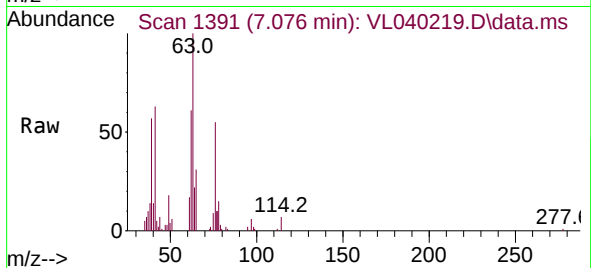
MDL-AIR-03-QT1-2023

Tgt Ion: 63	Resp: 2952
Ion Ratio	Lower Upper
63 100	
41 63.8	57.6 86.4
62 61.2	54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#40

1,4-Dioxane

Concen: 0.511 ppbv m

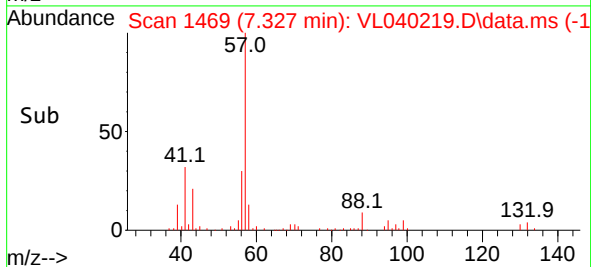
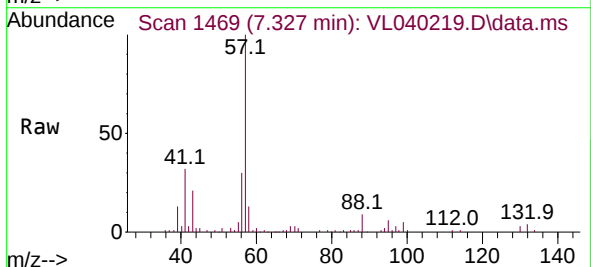
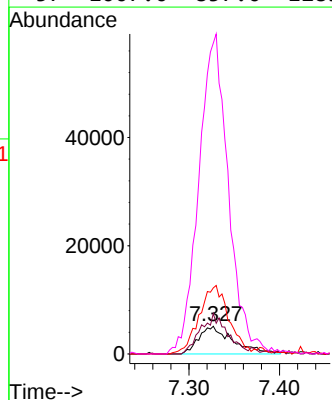
RT: 7.327 min Scan# 1469

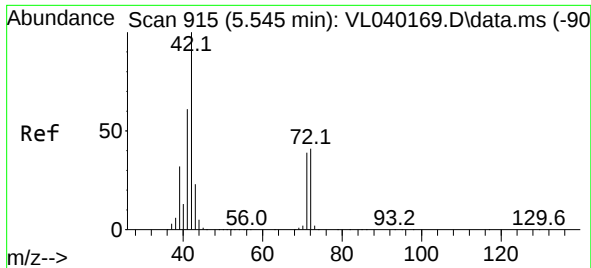
Delta R.T. 0.039 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion: 88	Resp: 13438
Ion Ratio	Lower Upper
88 100	
58 122.3	97.4 146.0
43 223.6	193.5 290.3
57 1007.0	857.0 1285.6





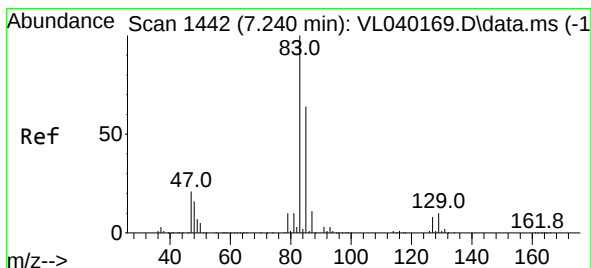
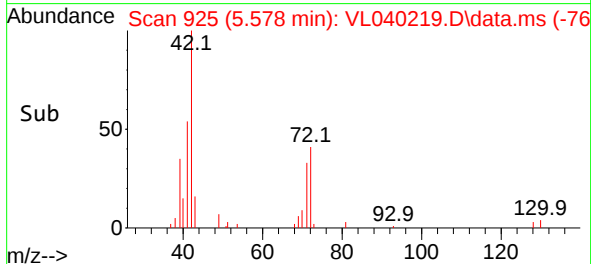
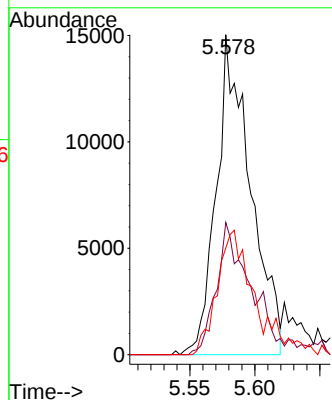
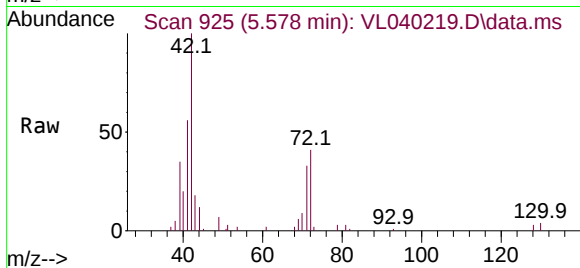
#41
Tetrahydrofuran
Concen: 0.442 ppbv
RT: 5.578 min Scan# 915
Delta R.T. 0.023 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 42 Resp: 2742
Ion Ratio Lower Upper
42 100
72 42.1 33.0 49.4
71 43.3 31.4 47.2

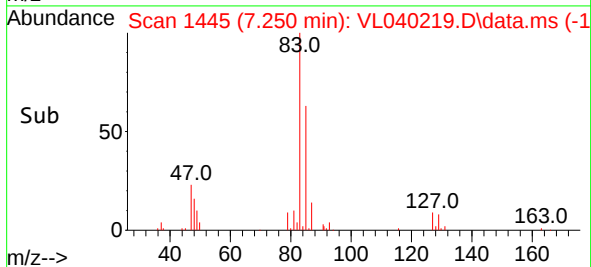
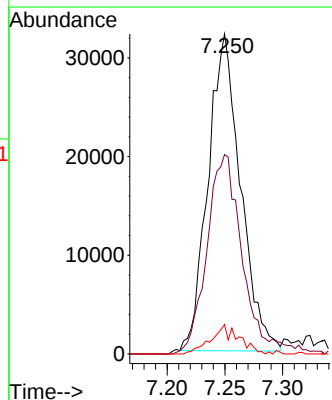
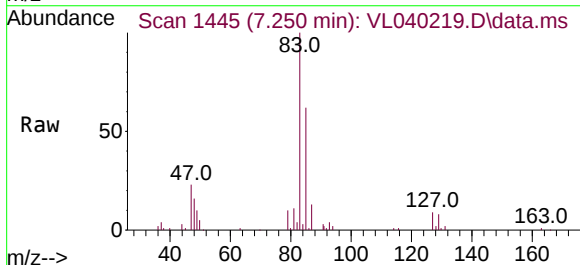
Manual Integrations
APPROVED

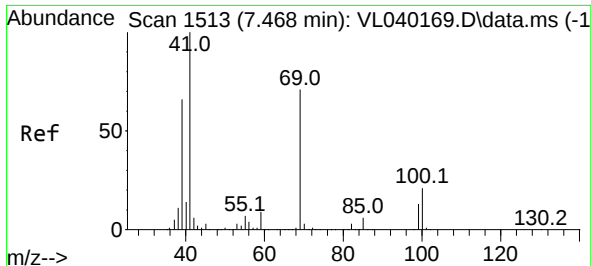
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#42
Bromodichloromethane
Concen: 0.431 ppbv
RT: 7.250 min Scan# 1445
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

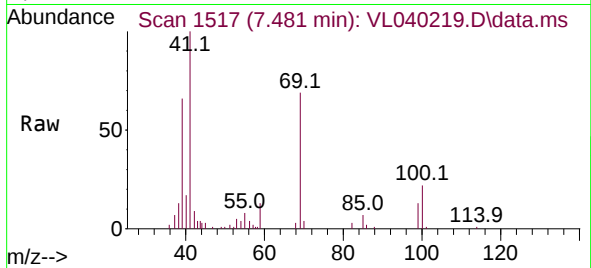
Tgt Ion: 83 Resp: 62772
Ion Ratio Lower Upper
83 100
85 62.0 50.9 76.3
127 9.3 6.2 9.2#





#43
Methyl Methacrylate
Concen: 0.419 ppbv m
RT: 7.481 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

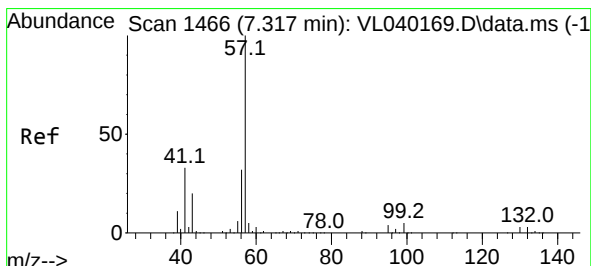
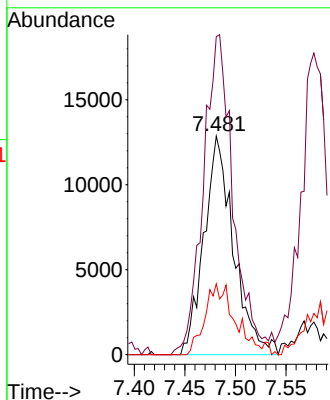
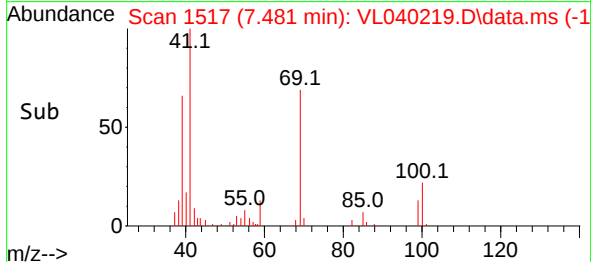
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 69 Resp: 2616
Ion Ratio Lower Upper
69 100
41 147.6 116.6 174.8
100 33.8 25.6 38.4

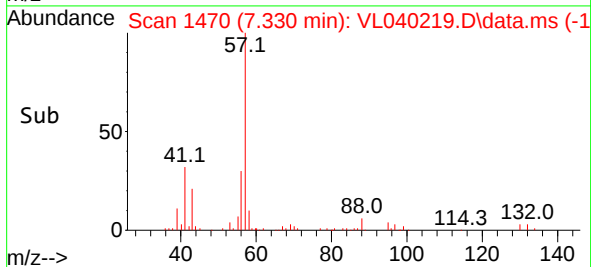
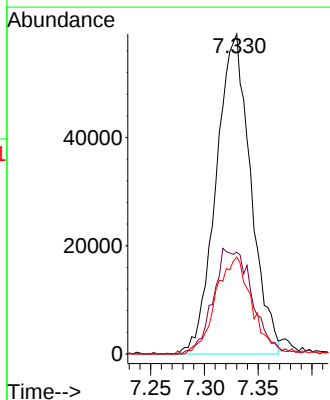
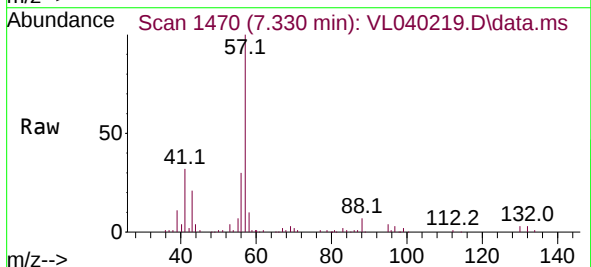
Manual Integrations
APPROVED

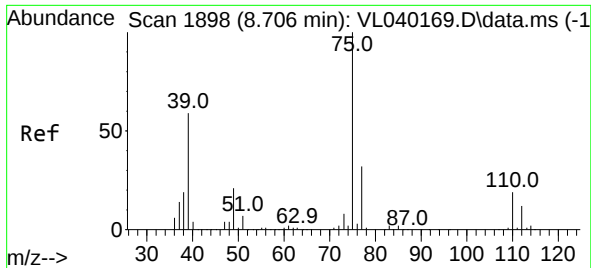
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#44
2,2,4-Trimethylpentane
Concen: 0.468 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

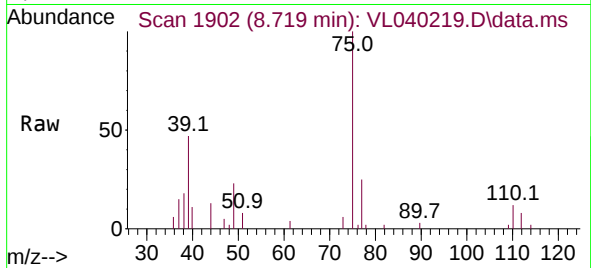
Tgt Ion: 57 Resp: 132069
Ion Ratio Lower Upper
57 100
41 37.6 26.2 39.4
56 32.1 24.9 37.3





#45
t-1,3-Dichloropropene
Concen: 0.347 ppbv
RT: 8.719 min Scan# 1902
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

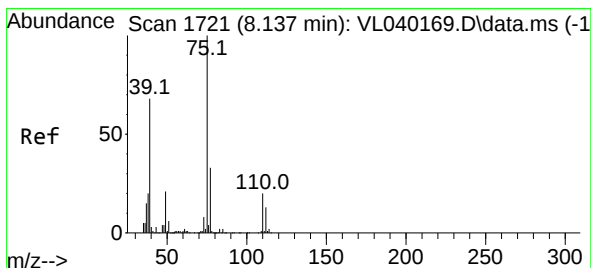
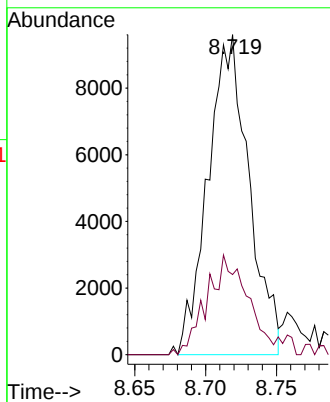
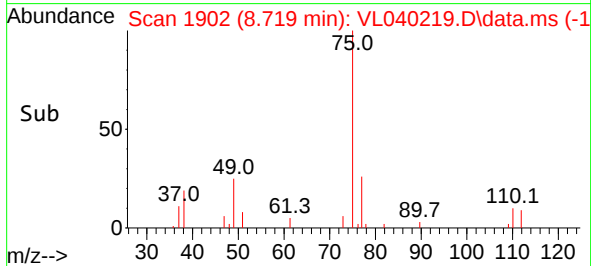
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 75 Resp: 1926
Ion Ratio Lower Upper
75 100
77 25.0 25.7 38.5

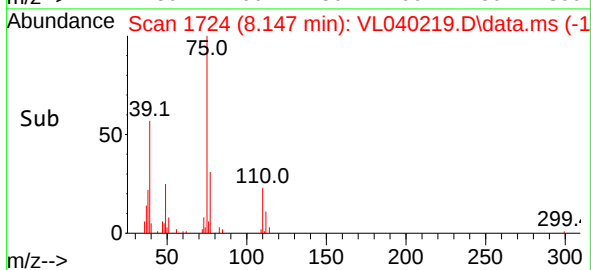
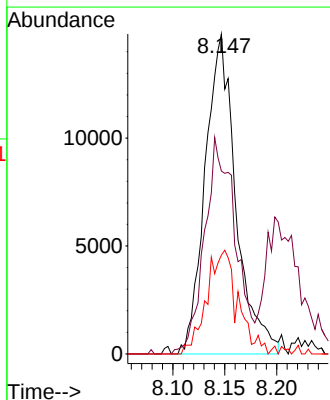
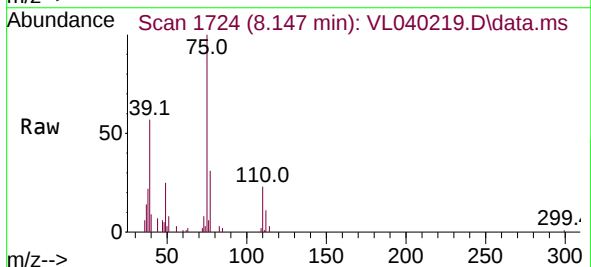
Manual Integrations
APPROVED

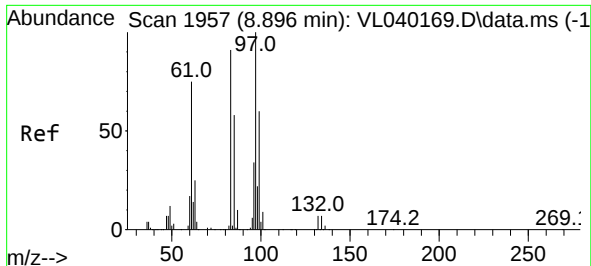
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#46
cis-1,3-Dichloropropene
Concen: 0.395 ppbv
RT: 8.147 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 75 Resp: 30487
Ion Ratio Lower Upper
75 100
39 55.6 54.2 81.2
77 30.9 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 0.497 ppbv m

RT: 8.905 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

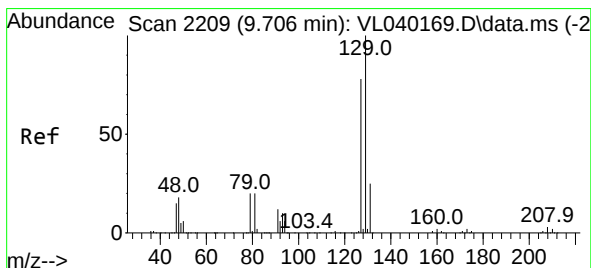
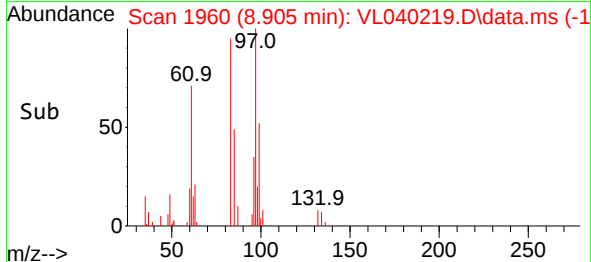
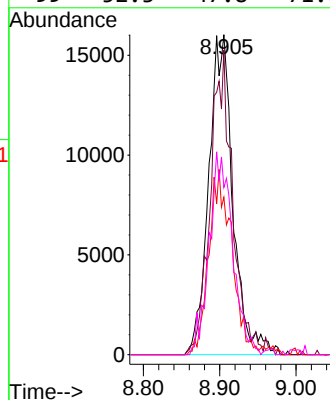
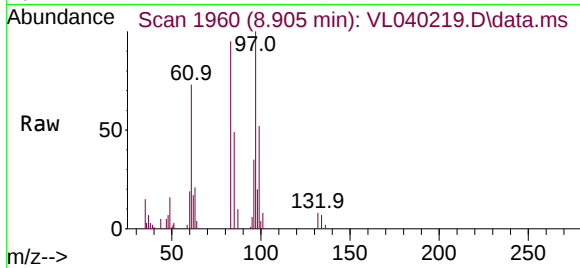
Tgt Ion: 97	Resp: 35330
Ion Ratio	Lower Upper
97 100	
83 95.3	72.8 109.2
85 49.2	46.6 69.8
99 52.3	47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#48

Dibromochloromethane

Concen: 0.407 ppbv

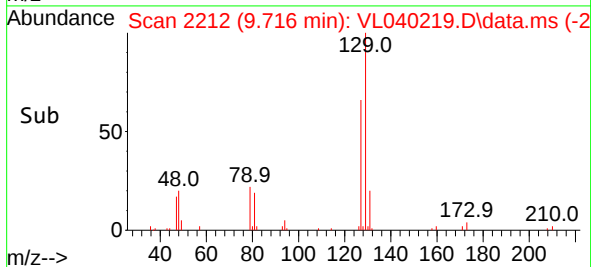
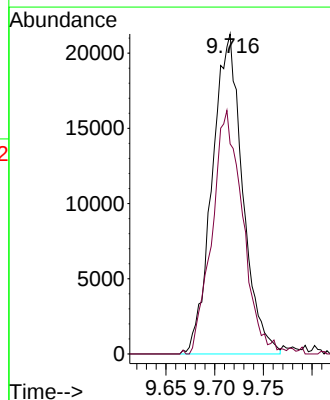
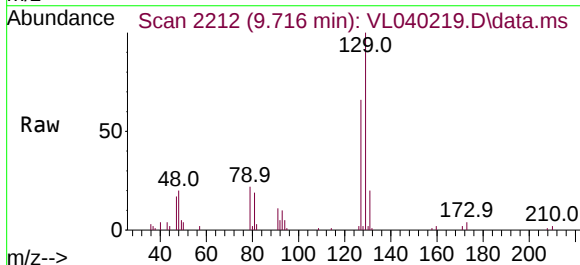
RT: 9.716 min Scan# 2212

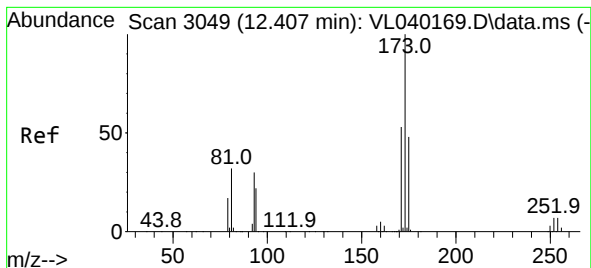
Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion:129	Resp: 46281
Ion Ratio	Lower Upper
129 100	
127 77.3	39.1 117.2





#49

Bromoform

Concen: 0.368 ppbv m

RT: 12.413 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

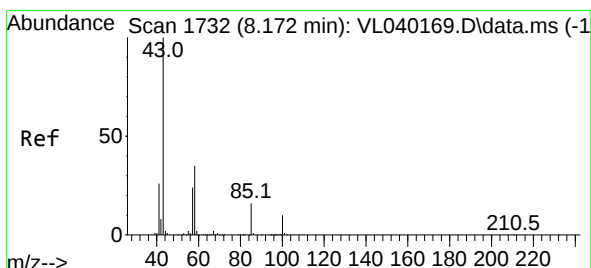
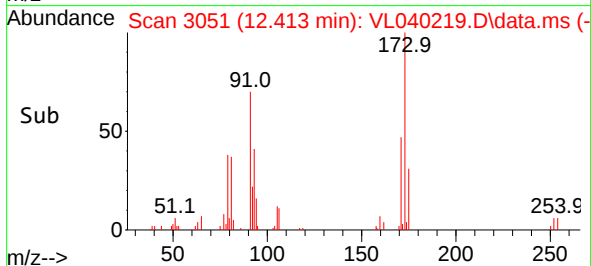
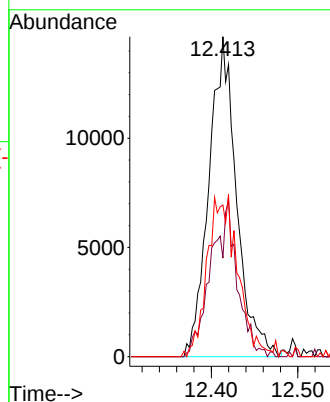
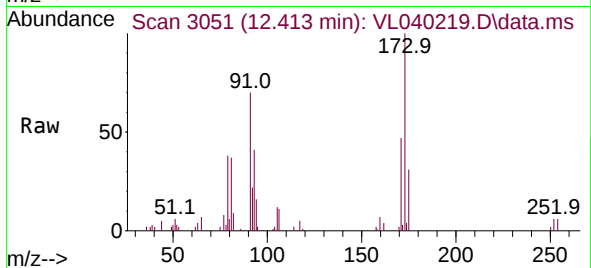
MDL-AIR-03-QT1-2023

Tgt Ion:173	Resp:	32600
Ion Ratio	Lower	Upper
173	100	
175	46.4	39.4 59.0
171	55.6	41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#50

4-Methyl-2-Pentanone

Concen: 0.432 ppbv

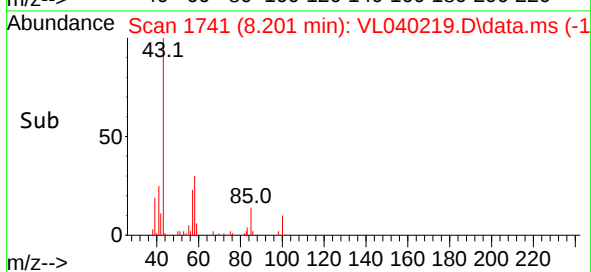
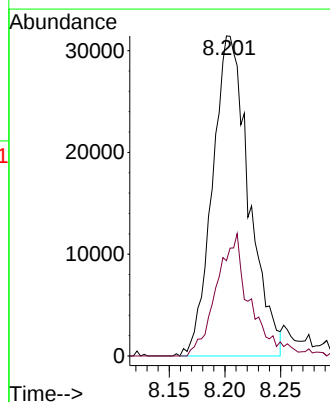
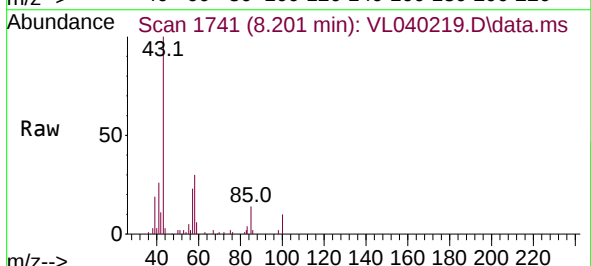
RT: 8.201 min Scan# 1741

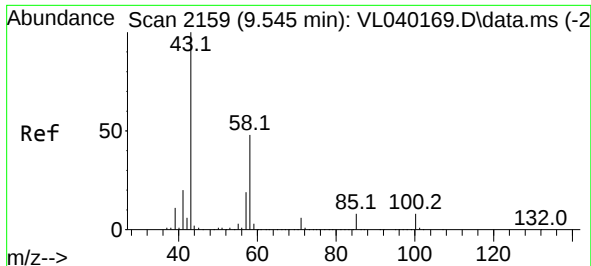
Delta R.T. 0.019 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

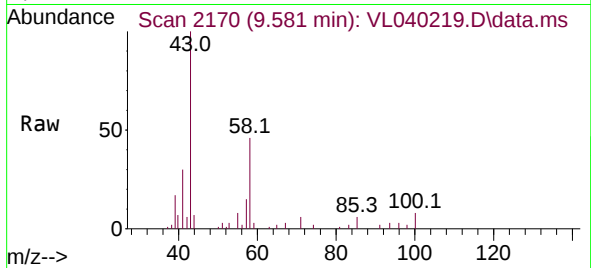
Tgt Ion: 43	Resp:	71779
Ion Ratio	Lower	Upper
43	100	
58	35.9	29.2 43.8





#51
2-Hexanone
Concen: 0.398 ppbv m
RT: 9.581 min Scan# 2159
Delta R.T. 0.026 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

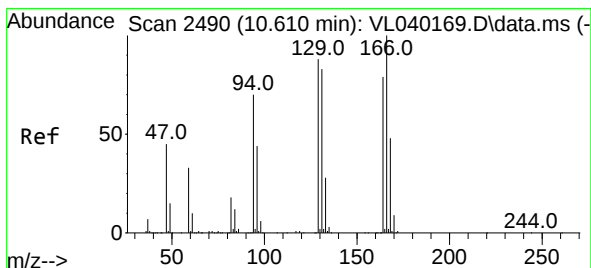
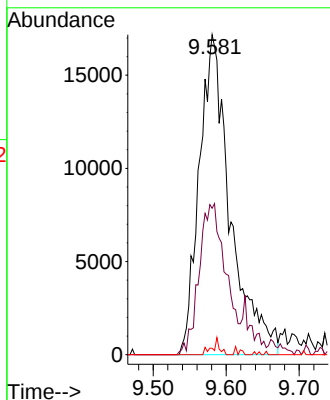
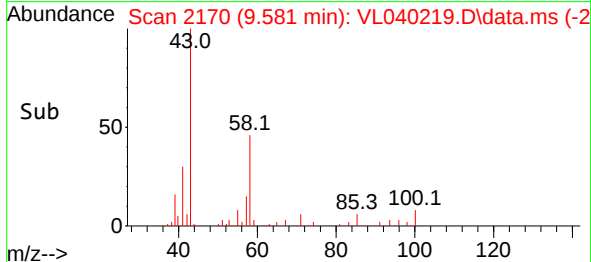
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



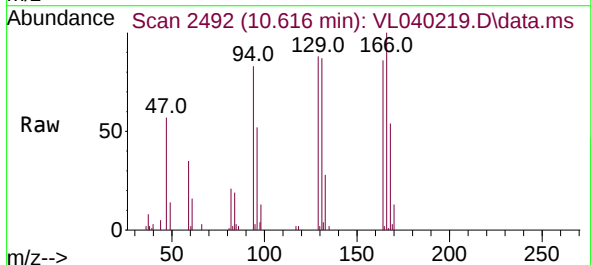
Tgt Ion: 43 Resp: 5084
Ion Ratio Lower Upper
43 100
58 48.6 39.1 58.7
98 1.2 0.2 0.4

Manual Integrations
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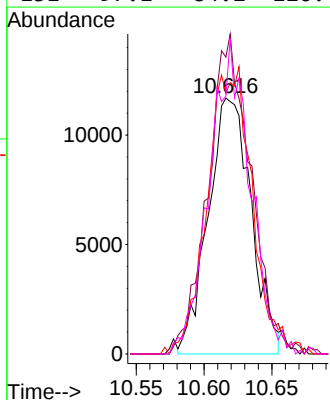
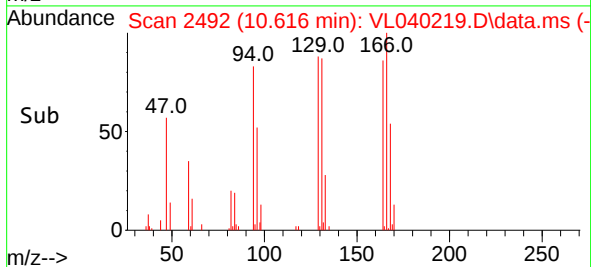
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

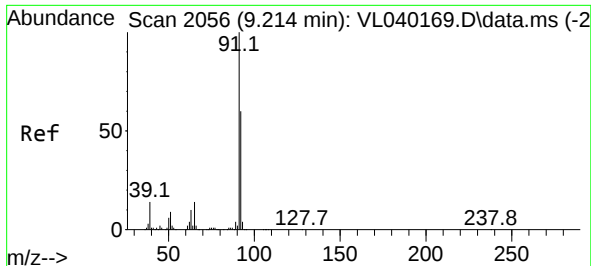


#52
Tetrachloroethene
Concen: 0.489 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35



Tgt Ion:164 Resp: 25789
Ion Ratio Lower Upper
164 100
166 110.9 101.5 152.3
129 99.2 89.0 133.4
131 97.1 84.2 126.4





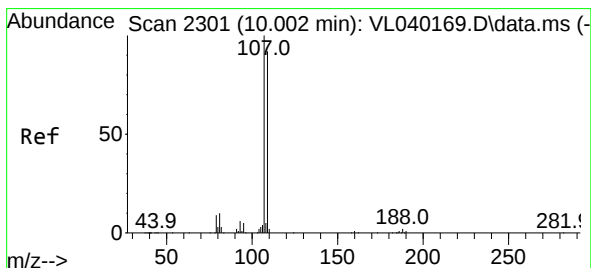
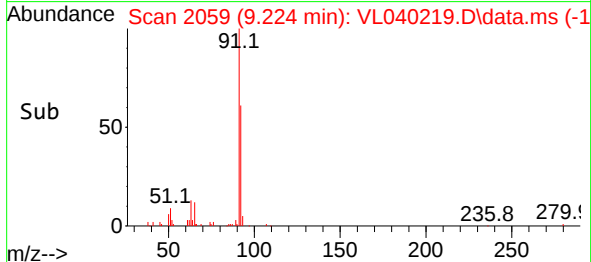
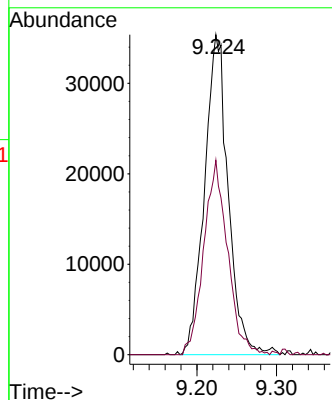
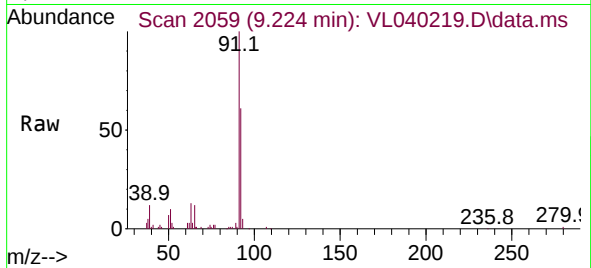
#53
Toluene
Concen: 0.405 ppbv m
RT: 9.224 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 7318
Ion Ratio Lower Upper
91 100
92 61.0 48.9 73.3

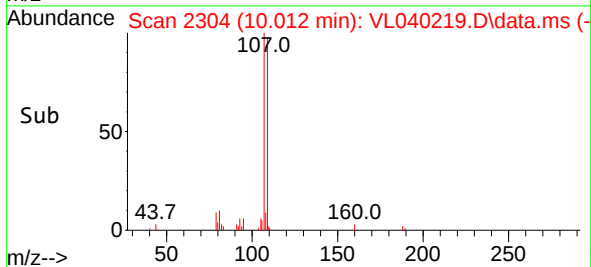
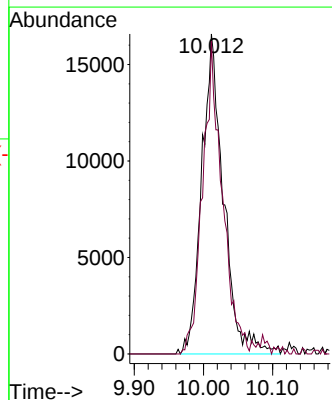
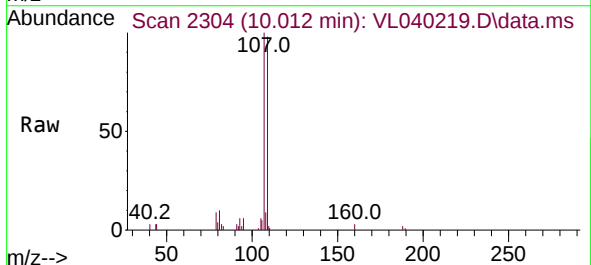
Manual Integrations
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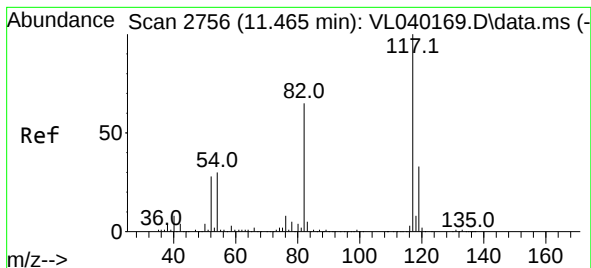
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#54
1,2-Dibromoethane
Concen: 0.490 ppbv m
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:107 Resp: 36211
Ion Ratio Lower Upper
107 100
109 97.8 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion:117 Resp: 1933920

Ion Ratio Lower Upper

117 100

82 66.6 53.3 79.9

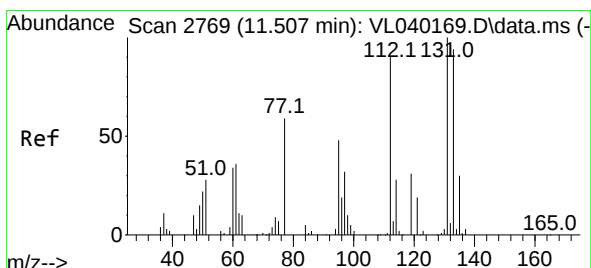
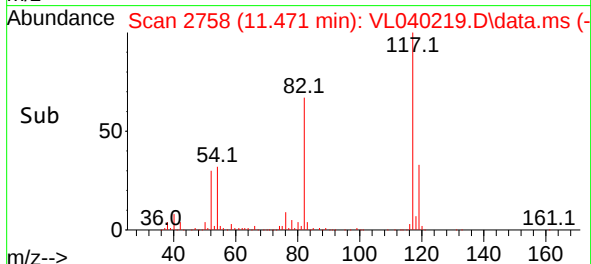
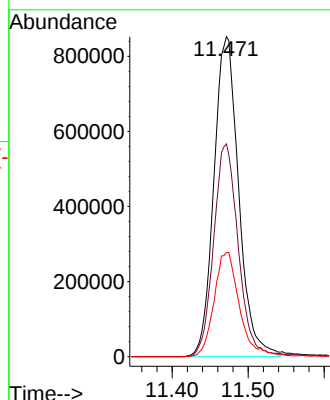
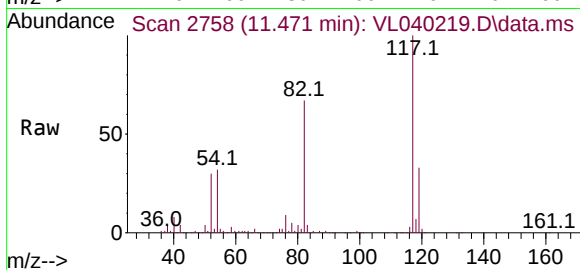
119 33.6 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#56

1,1,1,2-Tetrachloroethane

Concen: 0.468 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. -0.006 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

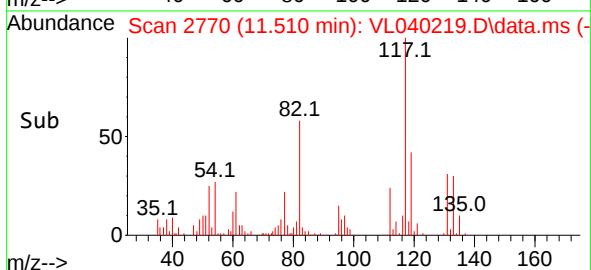
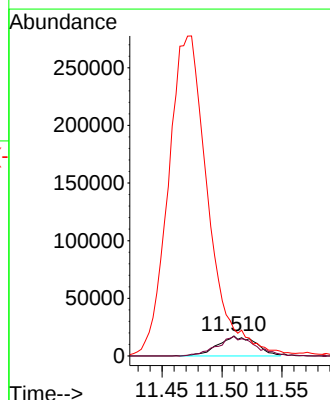
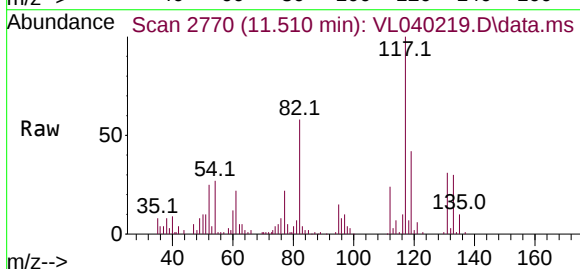
Tgt Ion:131 Resp: 37954

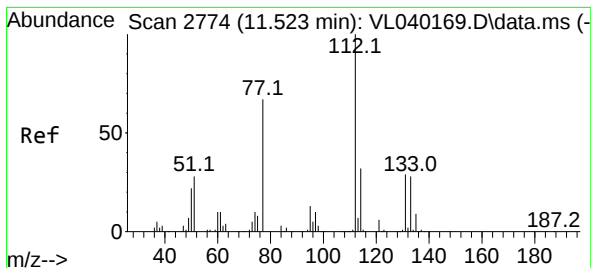
Ion Ratio Lower Upper

131 100

133 98.7 76.2 114.2

119 1707.3 45.4 68.0#





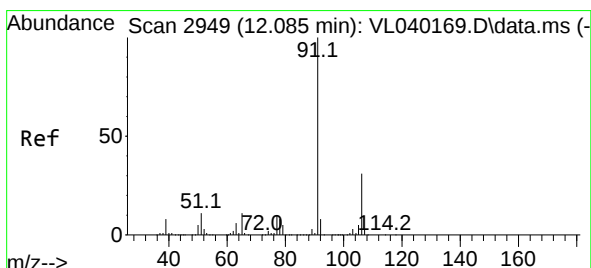
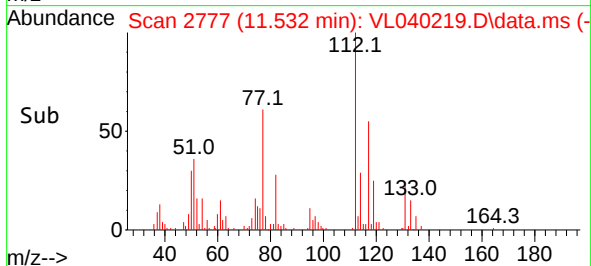
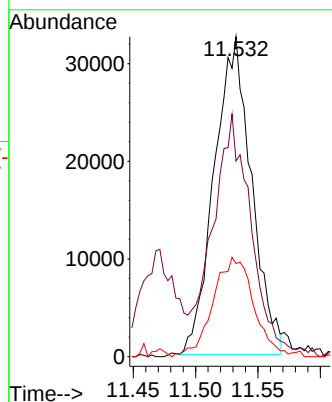
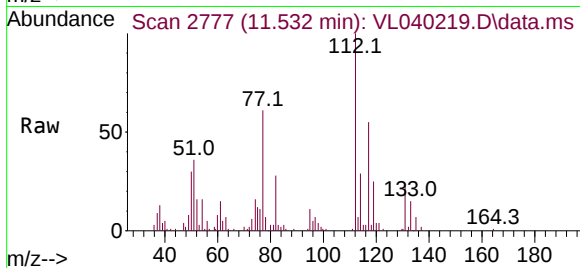
#57
Chlorobenzene
Concen: 0.479 ppbv
RT: 11.532 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion:112 Resp: 67628
Ion Ratio Lower Upper
112 100
77 56.6 55.0 82.4
114 28.5 29.0 35.4

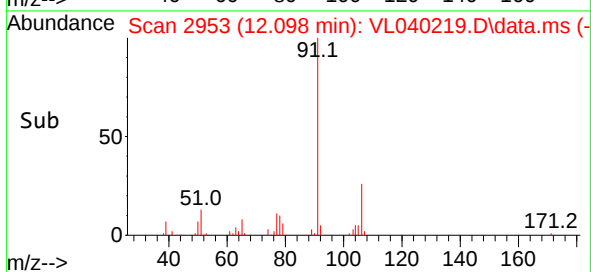
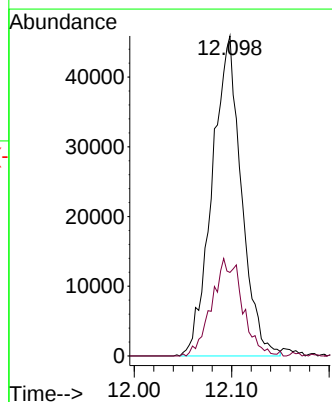
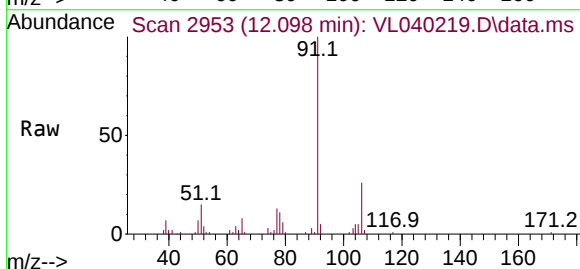
Manual Integrations
APPROVED

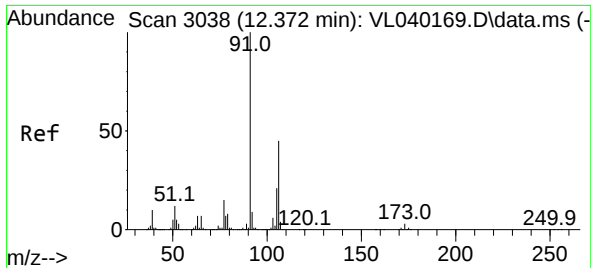
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#58
Ethyl Benzene
Concen: 0.408 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 91 Resp: 95782
Ion Ratio Lower Upper
91 100
106 26.1 24.9 37.3





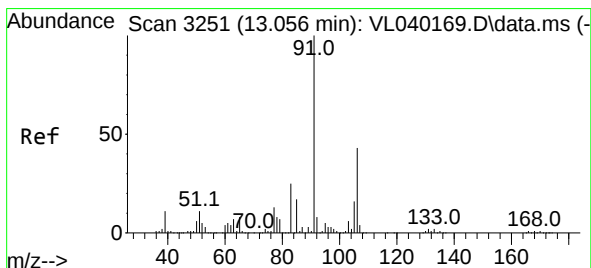
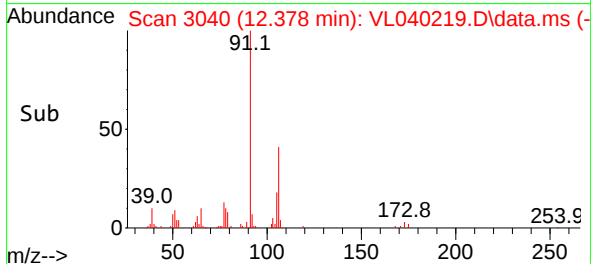
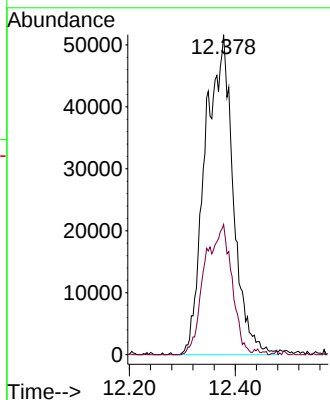
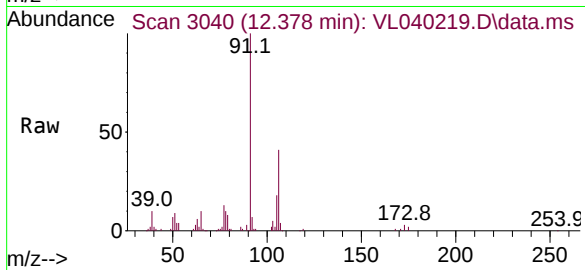
#59
m/p-Xylene
Concen: 0.911 ppbv m
RT: 12.378 min Scan# 3038
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 18951
Ion Ratio Lower Upper
91 100
106 40.0 34.6 51.8

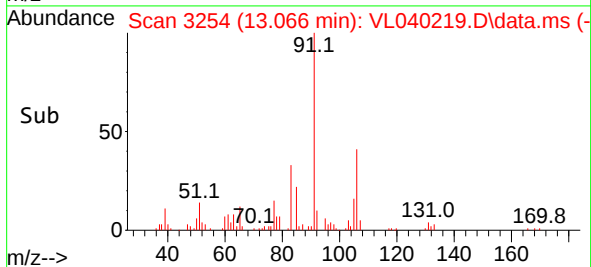
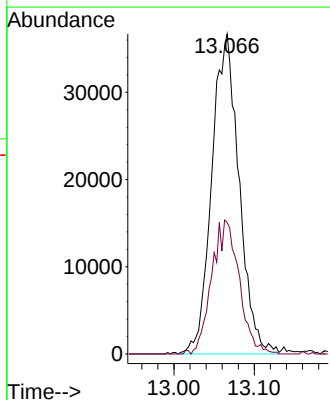
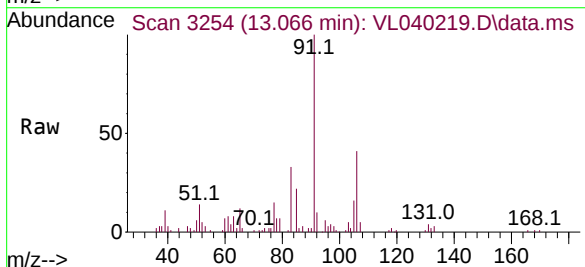
Manual Integrations
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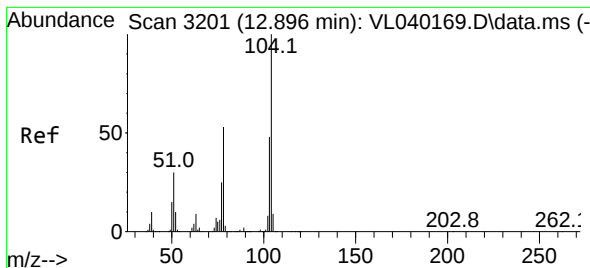
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#60
o-Xylene
Concen: 0.433 ppbv m
RT: 13.066 min Scan# 3254
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 91 Resp: 86623
Ion Ratio Lower Upper
91 100
106 42.1 21.6 65.0





#61

Styrene

Concen: 0.347 ppbv m

RT: 12.902 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

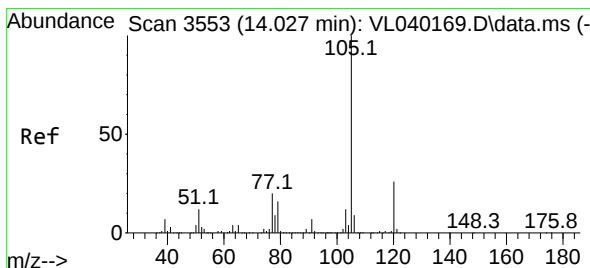
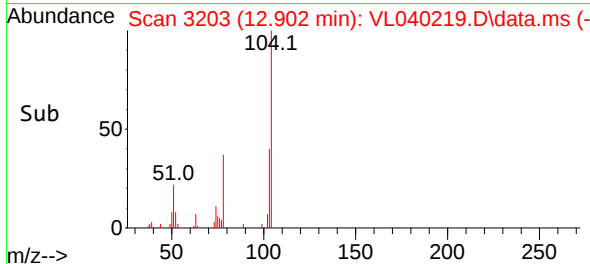
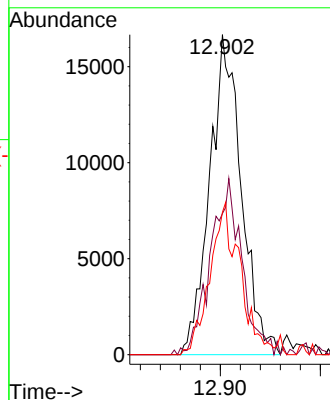
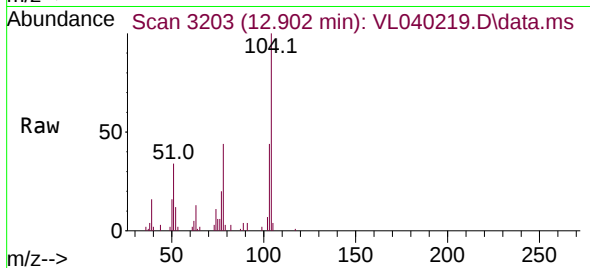
MDL-AIR-03-QT1-2023

Tgt Ion:104	Resp:	3653
Ion Ratio	Lower	Upper
104	100	
78	0.0	42.3 63.5
103	0.0	37.5 56.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#62

Isopropylbenzene

Concen: 0.458 ppbv

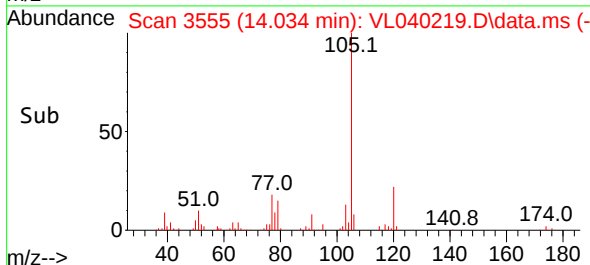
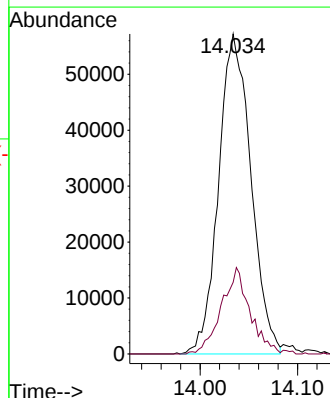
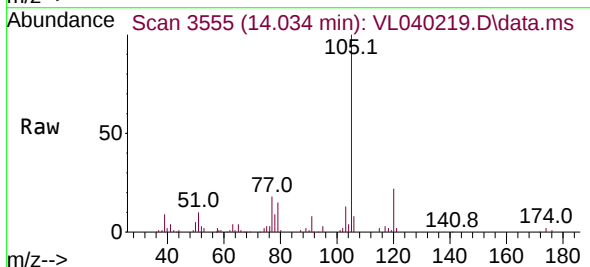
RT: 14.034 min Scan# 3555

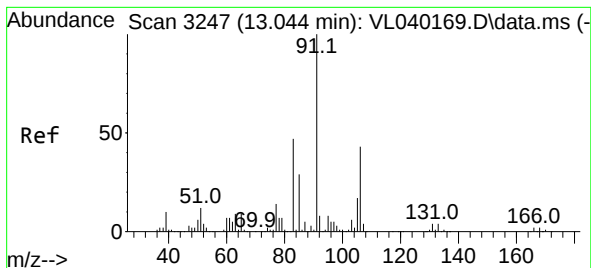
Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

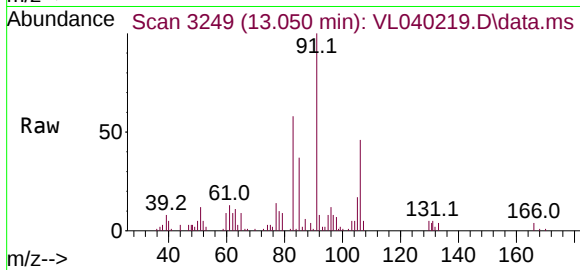
Tgt Ion:105	Resp:	131760
Ion Ratio	Lower	Upper
105	100	
120	24.1	20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.493 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

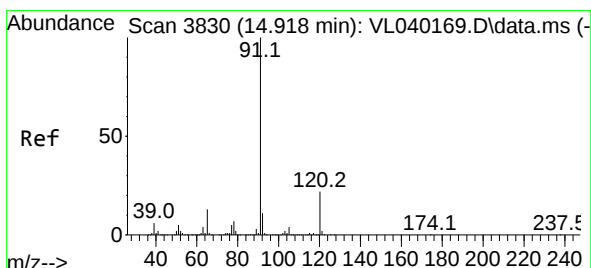
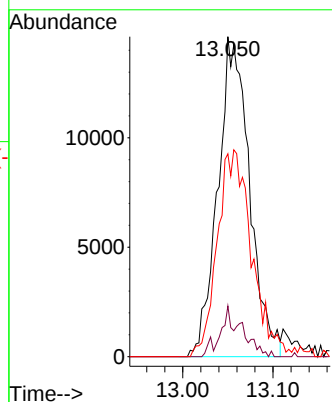
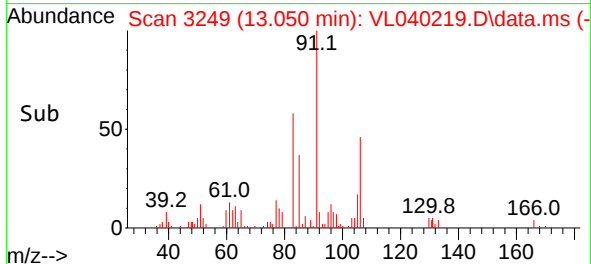
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



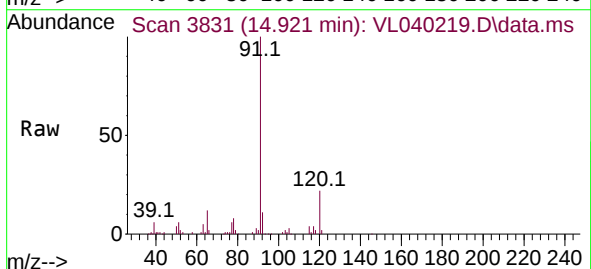
Tgt Ion: 83 Resp: 3554
Ion Ratio Lower Upper
83 100
131 0.0 4.4 13.2
85 71.4 33.0 99.0

Manual Integrations
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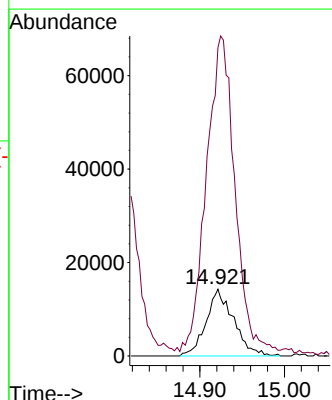
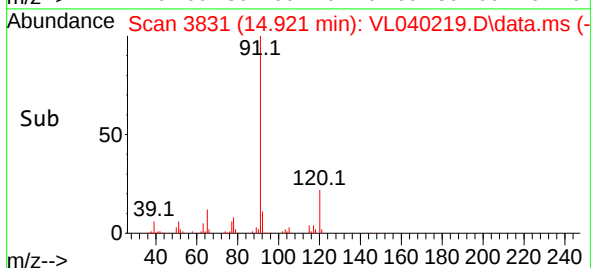
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

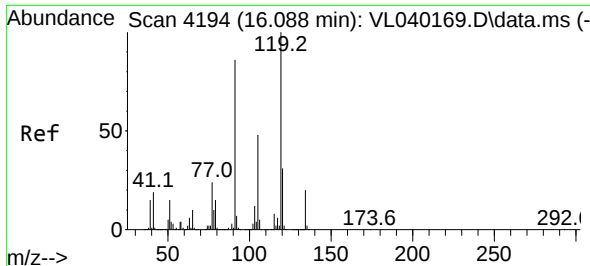


#64
n-propylbenzene
Concen: 0.454 ppbv m
RT: 14.921 min Scan# 3831
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35



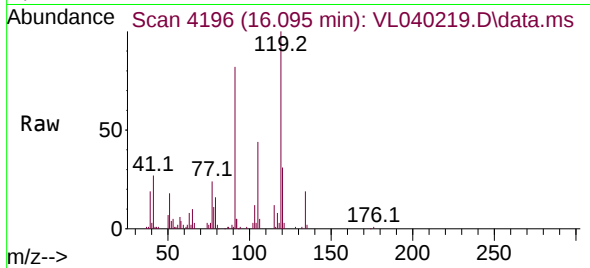
Tgt Ion:120 Resp: 32297
Ion Ratio Lower Upper
120 100
91 505.4 389.8 584.8





#65
tert-Butylbenzene
Concen: 0.431 ppbv
RT: 16.095 min Scan# 4196
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

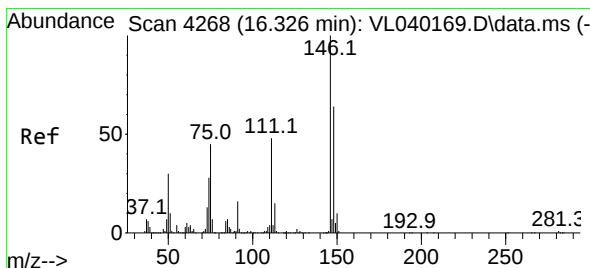
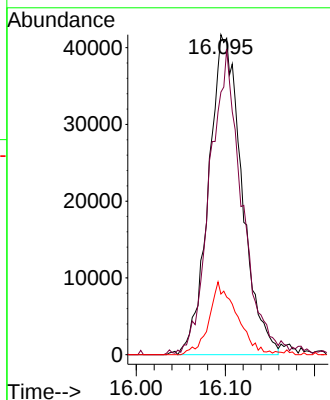
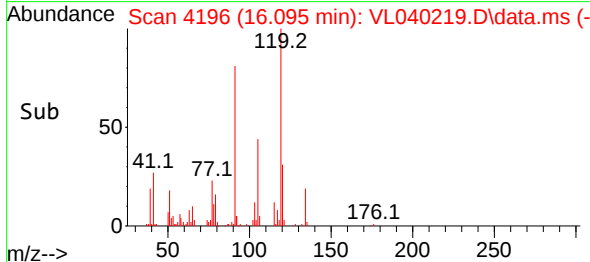
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 119 Resp: 10772
Ion Ratio Lower Upper
119 100
91 94.5 68.6 102.8
134 19.5 15.9 23.9

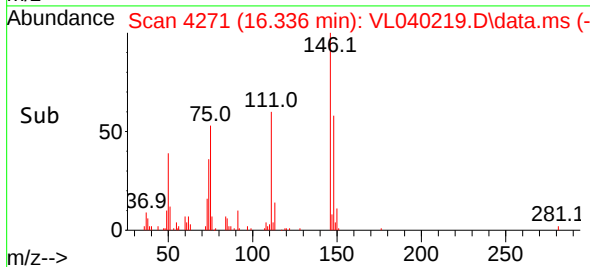
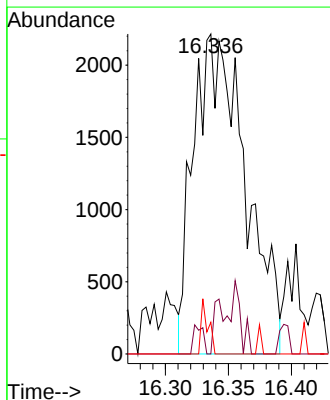
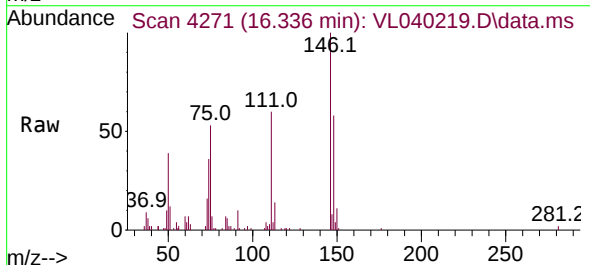
Manual Integrations
APPROVED

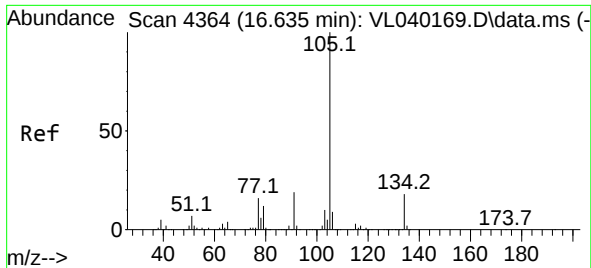
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#66
Benzyl Chloride
Concen: 0.382 ppbv m
RT: 16.336 min Scan# 4271
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

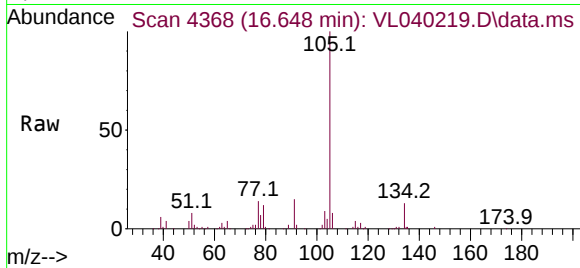
Tgt Ion: 91 Resp: 6359
Ion Ratio Lower Upper
91 100
126 1.8 13.1 19.7#
128 4.6 4.1 6.1





#67
 sec-Butylbenzene
 Concen: 0.451 ppbv
 RT: 16.648 min Scan# 4368
 Delta R.T. 0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

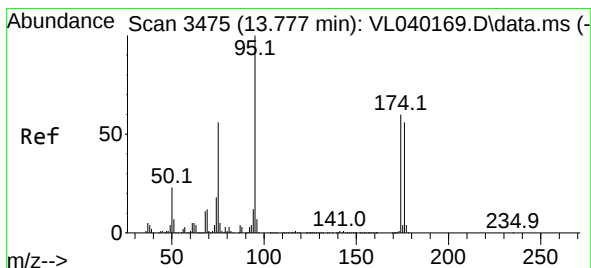
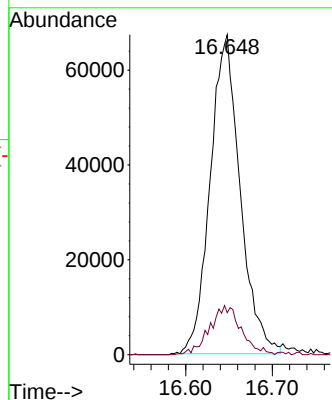
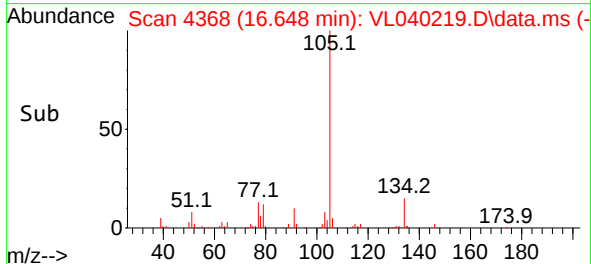
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



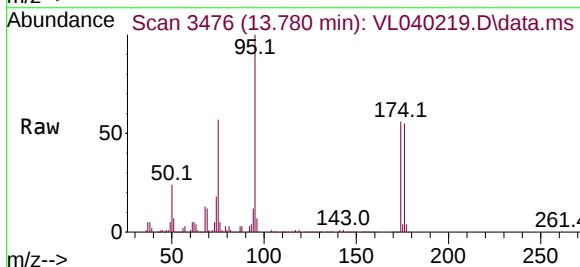
Tgt Ion: 105 Resp: 161630
 Ion Ratio Lower Upper
 105 100
 134 16.5 14.1 21.1

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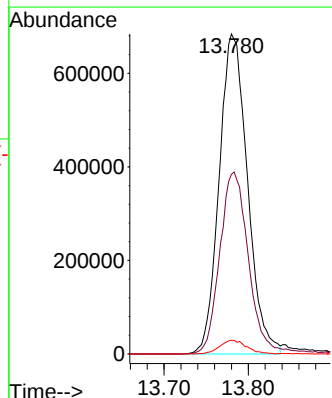
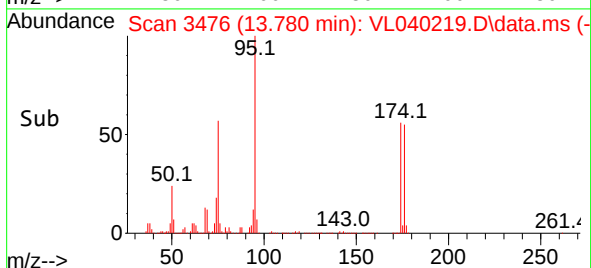
Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

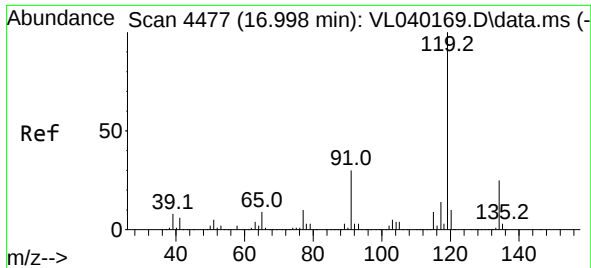


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.029 ppbv
 RT: 13.780 min Scan# 3476
 Delta R.T. -0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35



Tgt Ion: 95 Resp: 1594835
 Ion Ratio Lower Upper
 95 100
 174 58.9 48.2 72.2
 175 4.2 3.4 5.2





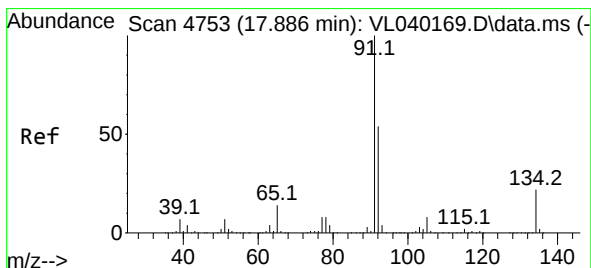
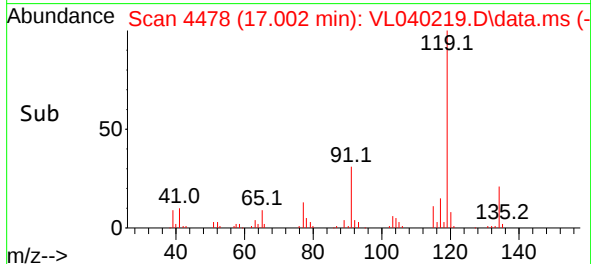
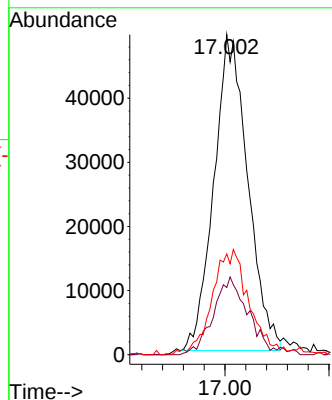
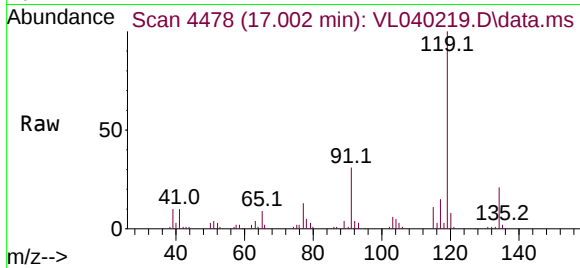
#69
p-Isopropyltoluene
Concen: 0.392 ppbv
RT: 17.002 min Scan# 4478
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 119 Resp: 11148
Ion Ratio Lower Upper
119 100
134 26.0 20.2 30.2
91 37.6 24.7 37.1

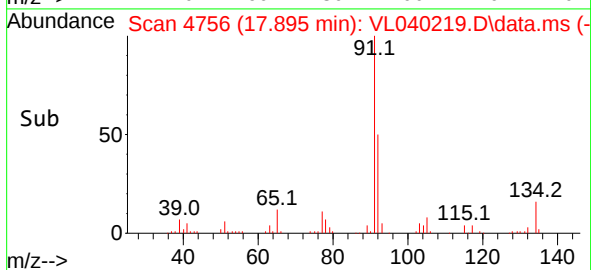
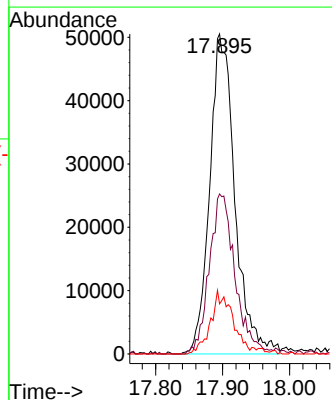
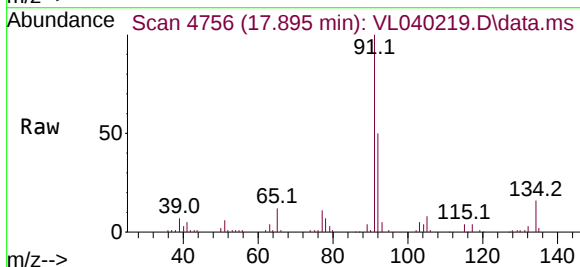
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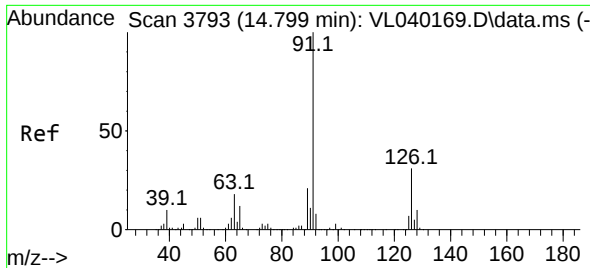
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#70
n-Butylbenzene
Concen: 0.429 ppbv m
RT: 17.895 min Scan# 4756
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 91 Resp: 132285
Ion Ratio Lower Upper
91 100
92 51.6 43.0 64.6
134 18.4 16.9 25.3





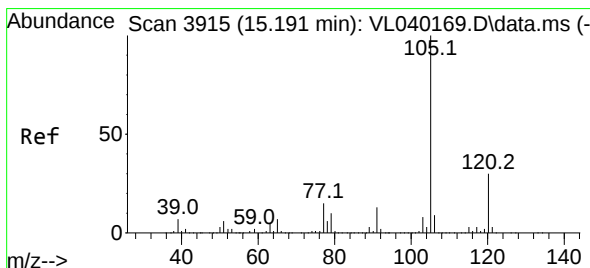
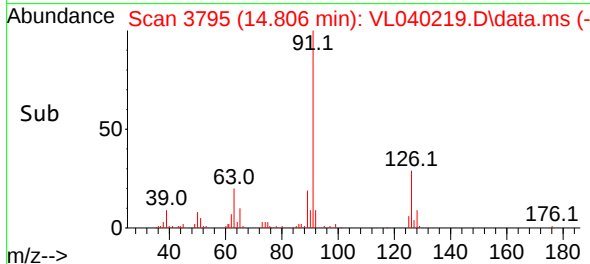
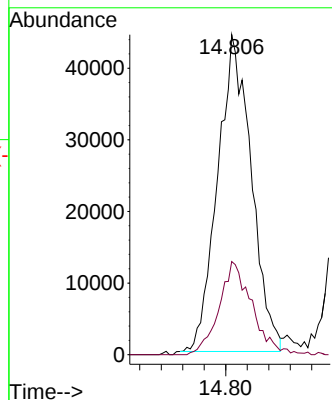
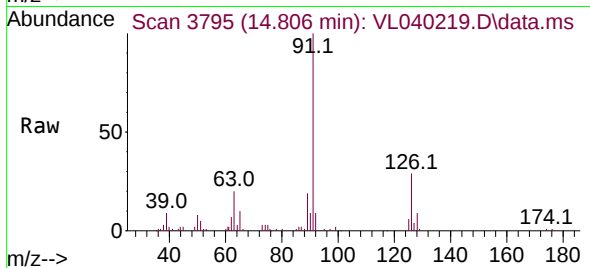
#71
2-Chlorotoluene
Concen: 0.438 ppbv
RT: 14.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 96189
Ion Ratio Lower Upper
91 100
126 28.8 12.0 48.2

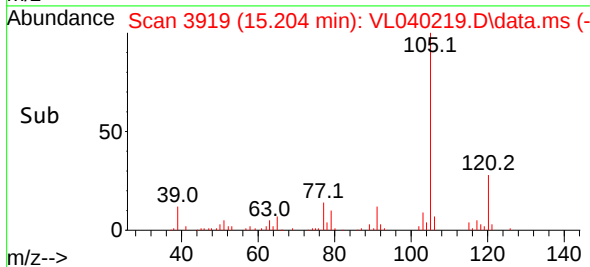
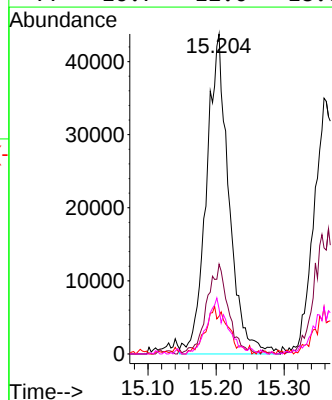
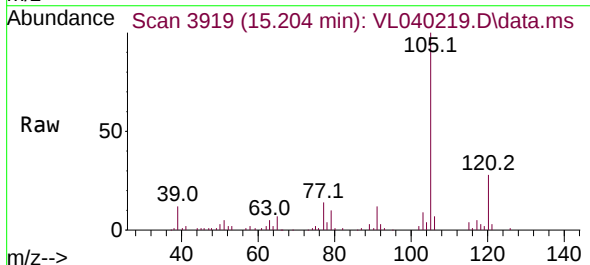
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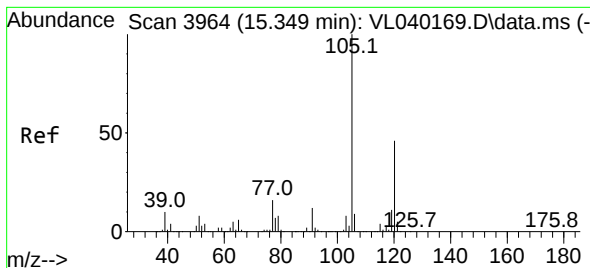
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#72
4-Ethyltoluene
Concen: 0.452 ppbv m
RT: 15.204 min Scan# 3919
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:105 Resp: 100167
Ion Ratio Lower Upper
105 100
120 27.0 23.2 34.8
91 15.3 11.3 16.9
77 16.7 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 0.384 ppbv

RT: 15.359 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion:105 Resp: 7914

Ion Ratio Lower Upper

105 100

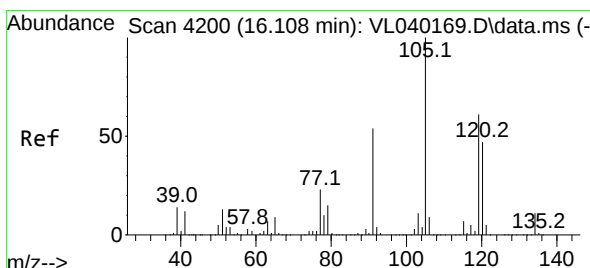
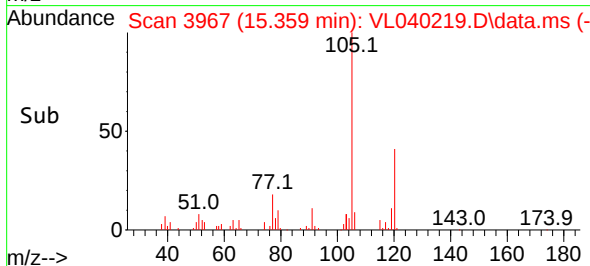
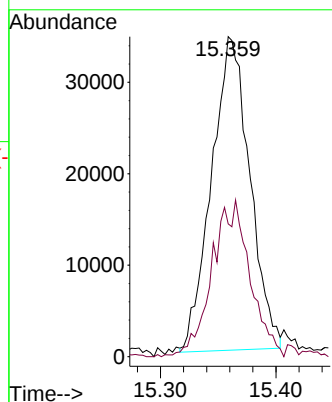
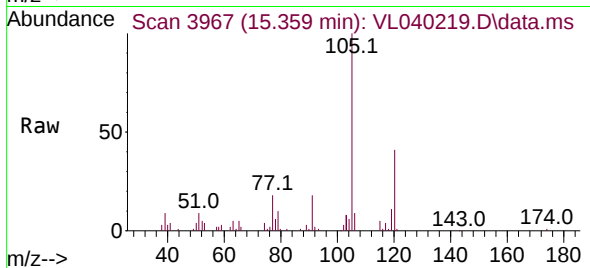
120 41.4 36.8 55.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.435 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion:105 Resp: 98476

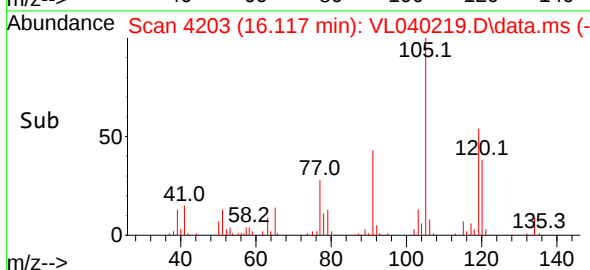
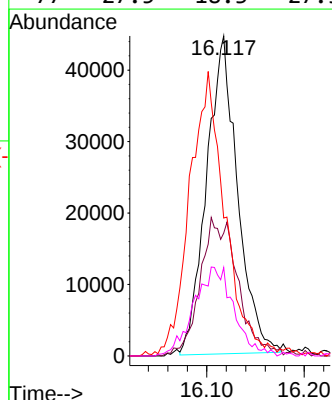
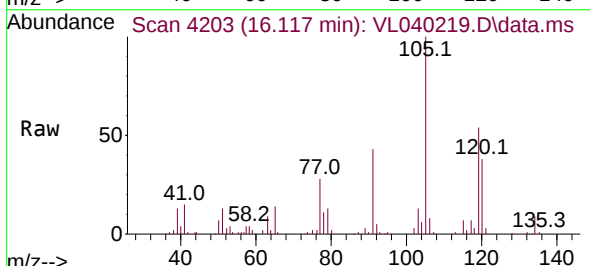
Ion Ratio Lower Upper

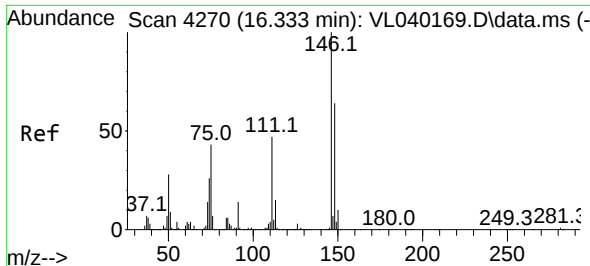
105 100

120 36.4 37.9 56.9#

91 41.0 43.7 65.5#

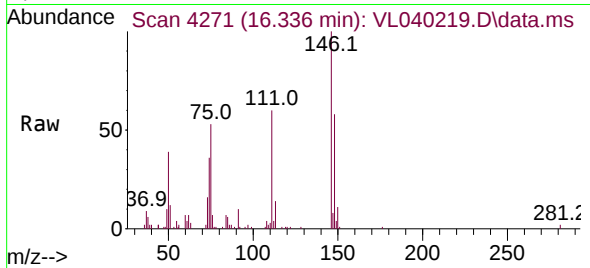
77 27.5 18.3 27.5





#75
1,3-Dichlorobenzene
Concen: 0.484 ppbv m
RT: 16.336 min Scan# 4270
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

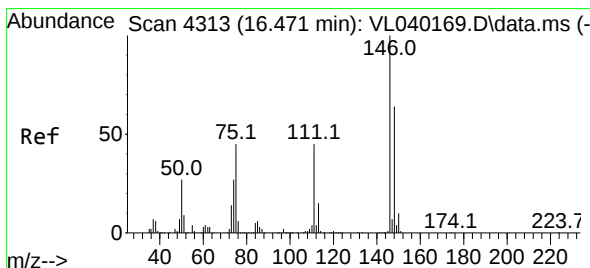
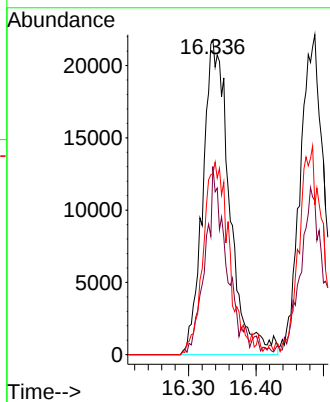
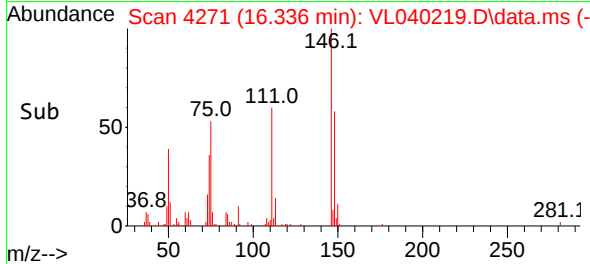
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



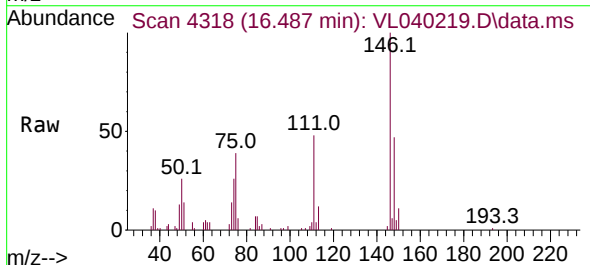
Tgt Ion:146 Resp: 5989
Ion Ratio Lower Upper
146 100
111 49.9 23.9 71.8
148 0.0 32.1 96.5

Manual Integrations
APPROVED

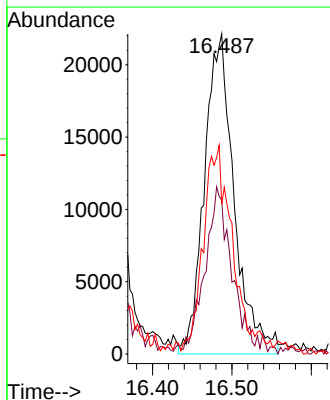
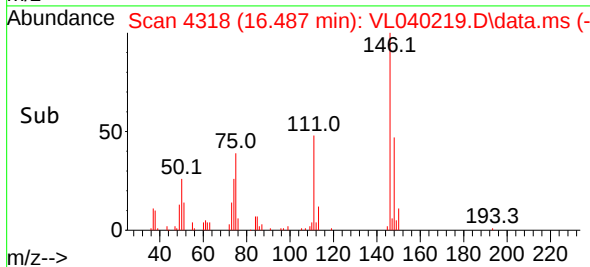
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#76
1,4-Dichlorobenzene
Concen: 0.474 ppbv m
RT: 16.487 min Scan# 4318
Delta R.T. 0.007 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35



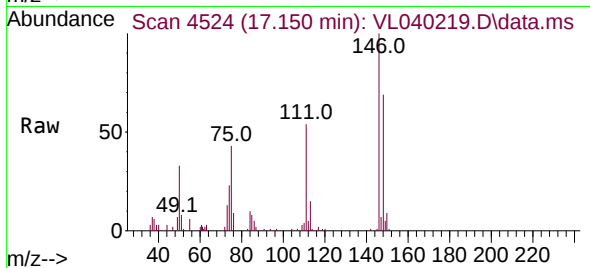
Tgt Ion:146 Resp: 57559
Ion Ratio Lower Upper
146 100
111 47.0 23.5 70.5
148 68.2 32.5 97.4





#77
1,2-Dichlorobenzene
Concen: 0.466 ppbv m
RT: 17.150 min Scan# 4522
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

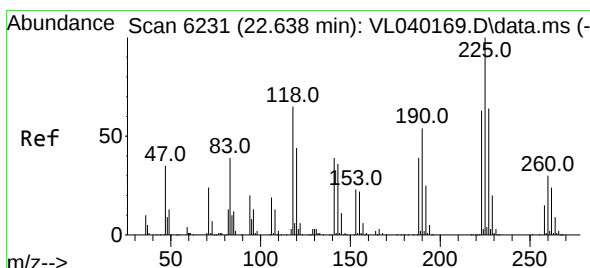
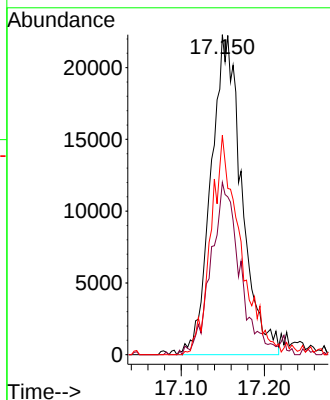
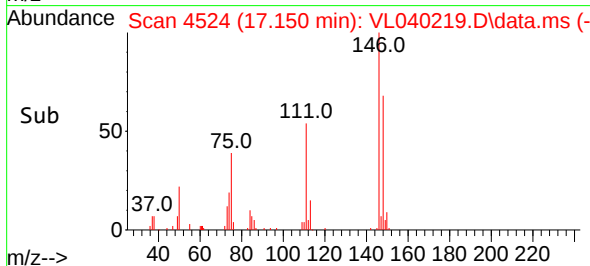
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion:146 Resp: 5731
Ion Ratio Lower Upper
146 100
111 51.5 25.3 75.8
148 67.0 32.0 96.2

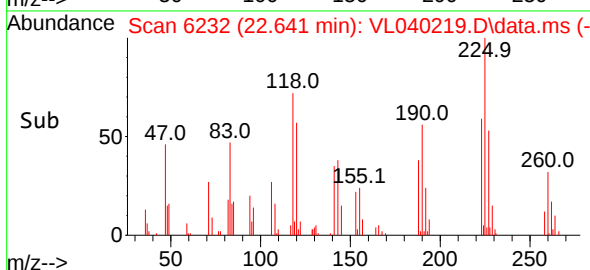
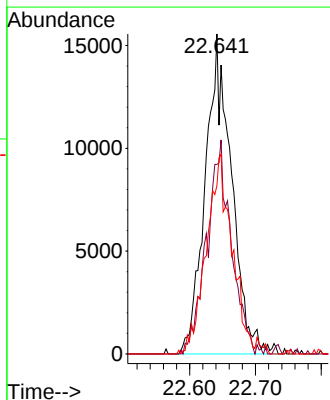
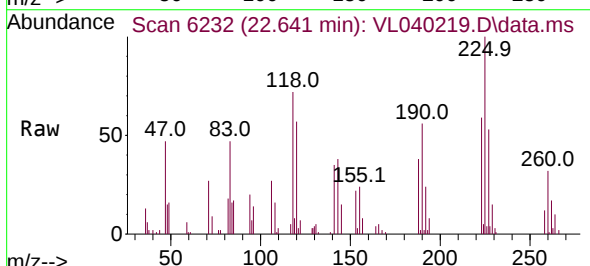
Manual Integrations
APPROVED

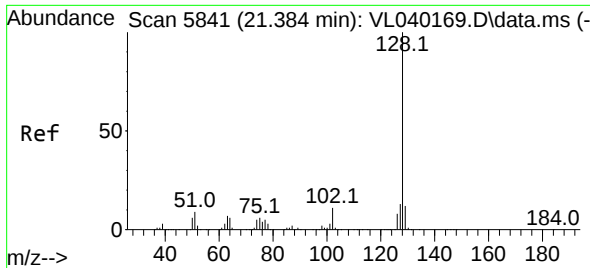
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.510 ppbv m
RT: 22.641 min Scan# 6232
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

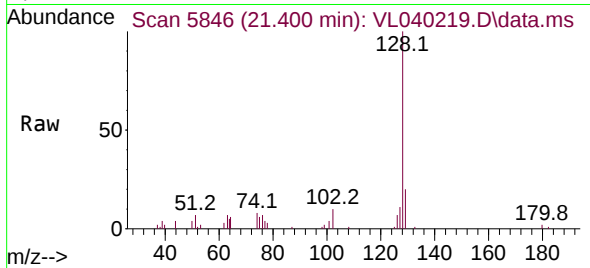
Tgt Ion:225 Resp: 43093
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#





#79
Naphthalene
Concen: 0.394 ppbv m
RT: 21.400 min Scan# 5841
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

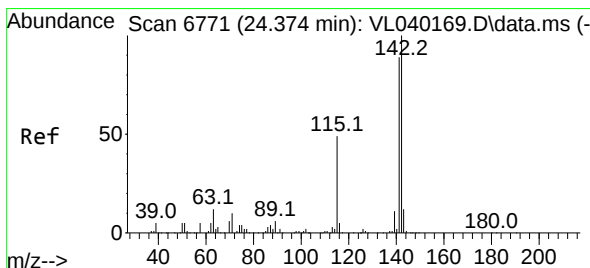
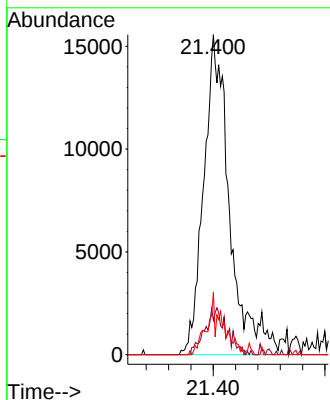
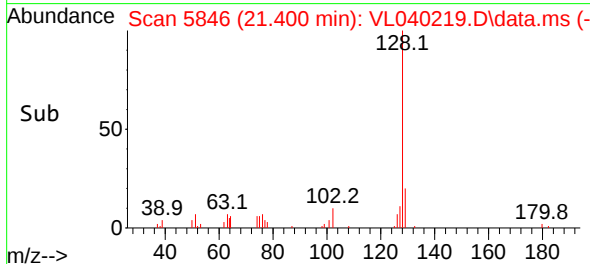
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion:128 Resp: 50130
Ion Ratio Lower Upper
128 100
127 10.7 10.2 15.4
129 19.5 9.4 14.0

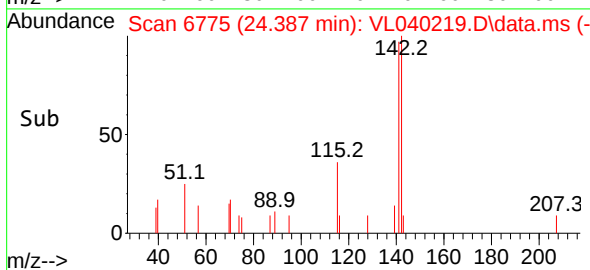
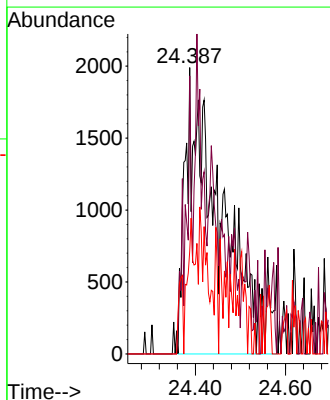
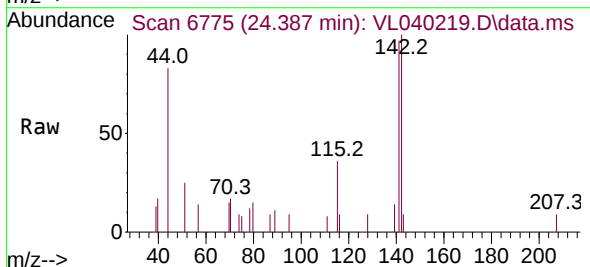
Manual Integrations
APPROVED

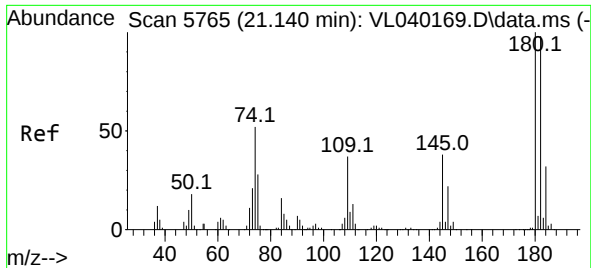
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#80
Naphthalene,2-methyl-
Concen: 0.304 ppbv m
RT: 24.387 min Scan# 6775
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:142 Resp: 10989
Ion Ratio Lower Upper
142 100
141 0.0 67.3 100.9#
115 14.4 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.392 ppbv m

RT: 21.156 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL040219.D

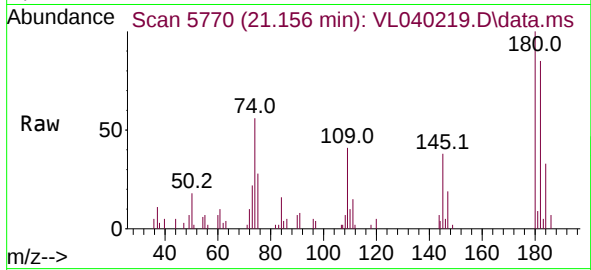
Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:180 Resp: 3118

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6

184 0.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023

