

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040578.D
 Acq On : 31 Jul 2023 18:39
 Operator : SY/MD
 Sample : 03572-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 01 01:40:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.185	49	1000385	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2531153	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.462	117	2210613	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.774	95	1949121	11.141	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	102933	0.514	ppbv	98
3) Chlorodifluoromethane	2.668	51	77717	0.490	ppbv	93
4) Chloromethane	2.803	50	28989	0.461	ppbv	99
5) Vinyl Chloride	2.912	62	28641	0.434	ppbv #	86
6) Bromomethane	3.115	94	13843	0.497	ppbv	89
7) Chloroethane	3.192	64	10172	0.440	ppbv	96
8) Dichlorotetrafluoroethane	2.848	85	80928	0.492	ppbv	95
9) Propene	2.684	41	20057	0.369	ppbv	100
10) Heptane	7.568	43	37773m	0.315	ppbv	
11) Trichlorofluoromethane	3.555	101	92588	0.573	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.060	101	67385	0.593	ppbv	87
13) Ethanol	3.247	45	5708m	0.483	ppbv	
14) Bromoethene	3.356	108	23666	0.484	ppbv #	96
15) Acetone	3.475	43	65627	0.570	ppbv	98
16) 1,3-Butadiene	2.977	39	24857	0.428	ppbv	99
17) tert-Butyl alcohol	3.890	59	55701	0.468	ppbv	97
18) 1,1-Dichloroethene	3.874	96	25873	0.495	ppbv #	85
19) Isopropyl Alcohol	3.591	45	31711m	0.480	ppbv	
20) Methylene Chloride	3.928	84	33473	0.683	ppbv	85
21) Allyl Chloride	3.993	41	28327	0.431	ppbv #	81
22) trans-1,2-Dichloroethene	4.446	96	27639m	0.536	ppbv	
23) Vinyl Acetate	4.626	43	40882	0.373	ppbv #	87
24) 1,1-Dichloroethane	4.558	63	54886	0.493	ppbv	97
25) Ethyl Acetate	5.205	43	83243	0.380	ppbv	99
26) Hexane	5.201	57	34959	0.343	ppbv #	72
27) Carbon Disulfide	4.121	76	55230	0.461	ppbv #	75
28) Methyl tert-Butyl Ether	4.591	73	33568	0.409	ppbv	95
29) Chloroform	5.263	83	80514	0.477	ppbv	91
30) Cyclohexane	6.597	84	19422m	0.229	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	34232m	0.340	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	77400	0.468	ppbv	97
34) 2-Butanone	4.793	43	46813	0.374	ppbv	96
35) Carbon Tetrachloride	6.484	117	79807	0.524	ppbv	87
36) Benzene	6.362	78	63922	0.314	ppbv #	90
37) 1,2-Dichloroethane	5.800	62	53100	0.443	ppbv	98
38) Trichloroethene	7.282	130	25596	0.332	ppbv	92
39) 1,2-Dichloropropane	7.070	63	30518	0.389	ppbv	95
40) 1,4-Dioxane	7.327	88	8270m	0.337	ppbv	
41) Tetrahydrofuran	5.574	42	20553m	0.282	ppbv	
42) Bromodichloromethane	7.243	83	75135	0.451	ppbv	97
43) Methyl Methacrylate	7.478	69	18658	0.245	ppbv	91
44) 2,2,4-Trimethylpentane	7.324	57	106520	0.325	ppbv #	84
45) t-1,3-Dichloropropene	8.700	75	12428m	0.254	ppbv	

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 Supervised By :Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:40:46 2023

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

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

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	17092m	0.272	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	33271	0.385	ppbv	94
48) Dibromochloromethane	9.703	129	50909m	0.381	ppbv	
49) Bromoform	12.401	173	37381	0.353	ppbv	91
50) 4-Methyl-2-Pentanone	8.198	43	49307m	0.271	ppbv	
51) 2-Hexanone	9.571	43	29688m	0.231	ppbv	
52) Tetrachloroethene	10.613	164	23727m	0.360	ppbv	
53) Toluene	9.214	91	51125	0.231	ppbv	98
54) 1,2-Dibromoethane	10.005	107	37407m	0.348	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.507	131	49484m	0.500	ppbv	
57) Chlorobenzene	11.529	112	75152m	0.436	ppbv	
58) Ethyl Benzene	12.085	91	66262	0.239	ppbv	93
59) m/p-Xylene	12.375	91	157831m	0.637	ppbv	
60) o-Xylene	13.053	91	68029	0.288	ppbv	95
61) Styrene	12.899	104	22327m	0.205	ppbv	
62) Isopropylbenzene	14.034	105	117622	0.333	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	79978	0.484	ppbv	98
64) n-propylbenzene	14.915	120	29076m	0.318	ppbv	
65) tert-Butylbenzene	16.089	119	104109m	0.333	ppbv	
66) Benzyl Chloride	16.339	91	7114m	0.321	ppbv	
67) sec-Butylbenzene	16.635	105	157217	0.342	ppbv	96
69) p-Isopropyltoluene	16.998	119	110417	0.291	ppbv #	91
70) n-Butylbenzene	17.886	91	131352	0.310	ppbv #	93
71) 2-Chlorotoluene	14.806	91	84919m	0.312	ppbv	
72) 4-Ethyltoluene	15.195	105	70703	0.256	ppbv #	89
73) 1,3,5-Trimethylbenzene	15.355	105	77719m	0.319	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	98263	0.346	ppbv #	86
75) 1,3-Dichlorobenzene	16.330	146	66424m	0.386	ppbv	
76) 1,4-Dichlorobenzene	16.468	146	68866m	0.408	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	65555m	0.398	ppbv	
78) Hexachloro-1,3-Butadiene	22.638	225	63840m	0.413	ppbv	
79) Naphthalene	21.391	128	52986m	0.220	ppbv	
80) Naphthalene,2-methyl-	24.394	142	8002m	0.081	ppbv	
81) 1,2,4-Trichlorobenzene	21.143	180	43512m	0.263	ppbv	

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

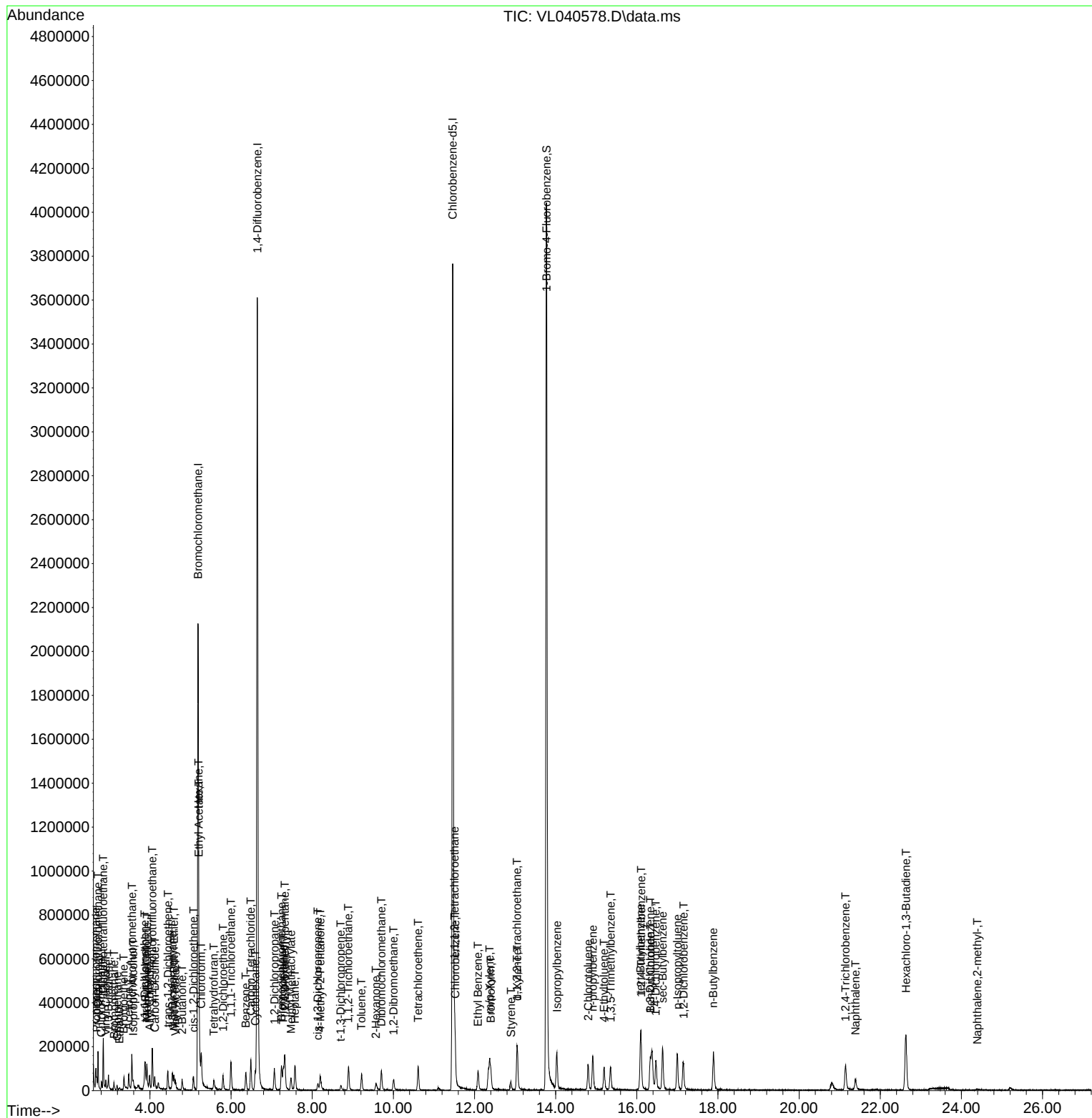
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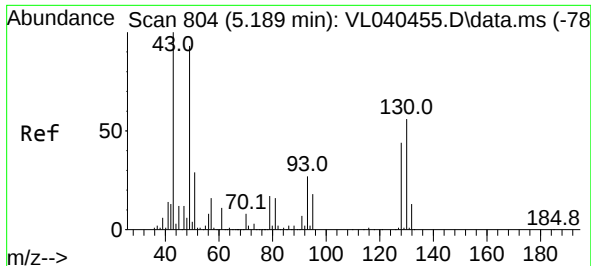
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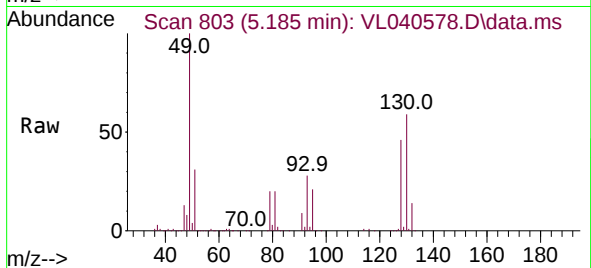
Reviewed By : Semsettin Yesilyurt 08/01/2023
Supervised By : Mahesh Dadoda 08/01/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 804
Delta R.T. -0.017 min
Lab File: VL040578.D
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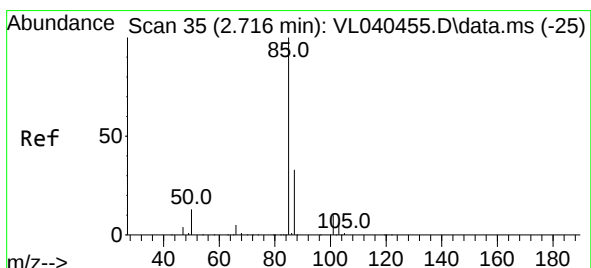
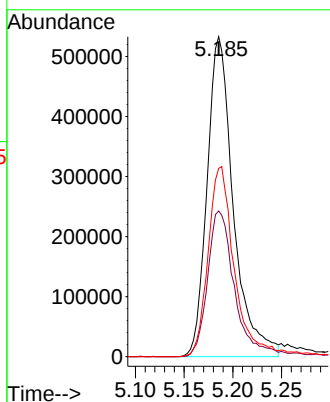
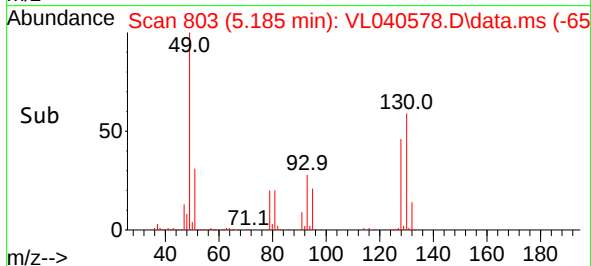
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 49 Resp: 100038
Ion Ratio Lower Upper
49 100
128 47.8 25.1 75.4
130 62.0 31.6 94.7

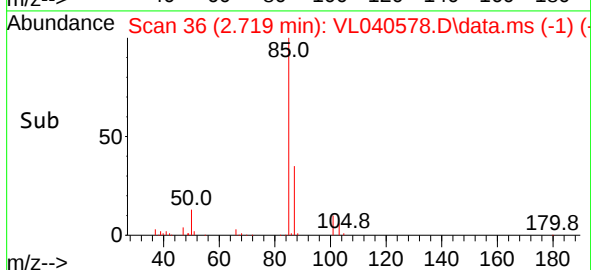
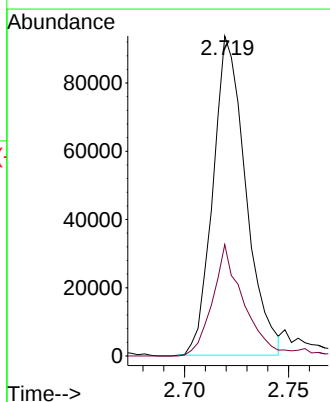
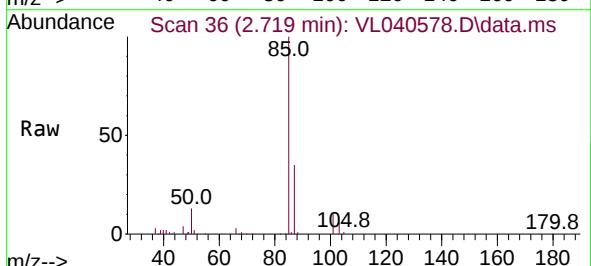
Manual Integrations
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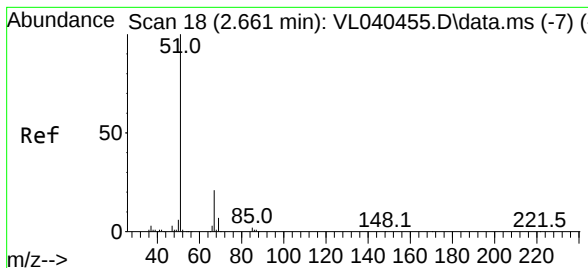
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#2
Dichlorodifluoromethane
Concen: 0.514 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.019 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion: 85 Resp: 102933
Ion Ratio Lower Upper
85 100
87 34.9 26.8 40.2





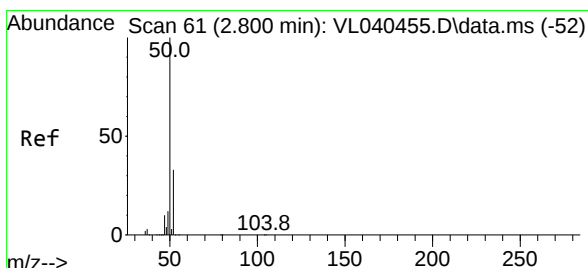
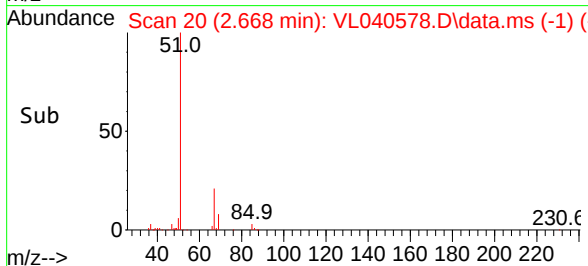
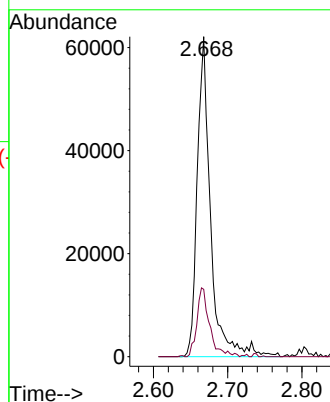
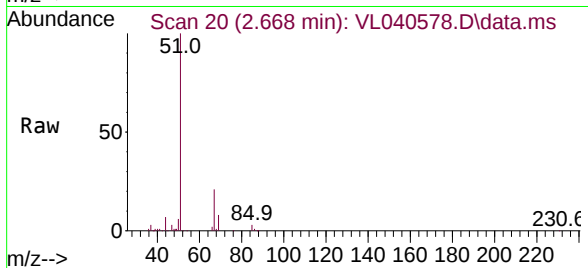
#3
Chlorodifluoromethane
Concen: 0.490 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 51 Resp: 7771
Ion Ratio Lower Upper
51 100
67 21.3 14.6 21.8

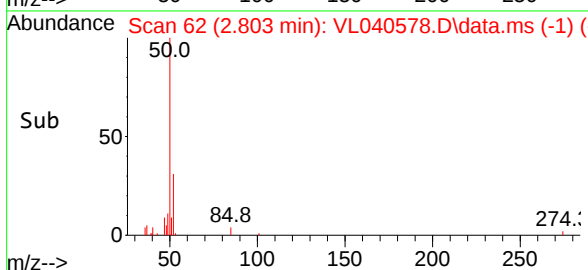
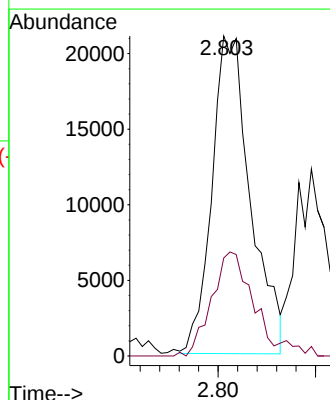
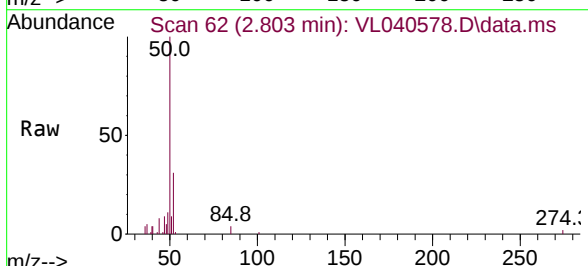
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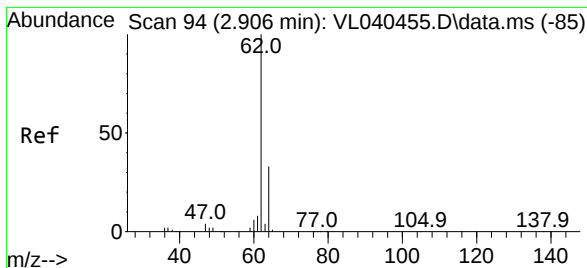
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#4
Chloromethane
Concen: 0.461 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.019 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion: 50 Resp: 28989
Ion Ratio Lower Upper
50 100
52 29.9 24.4 36.6





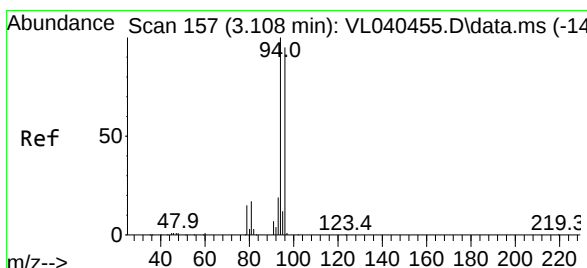
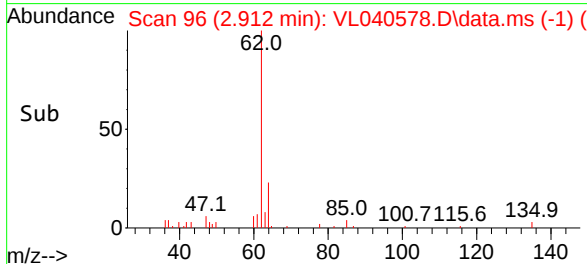
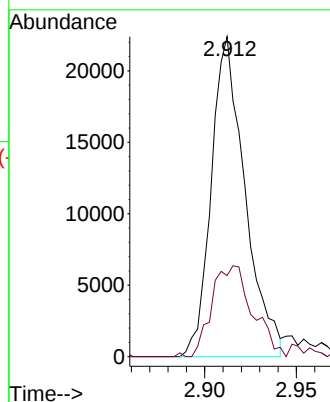
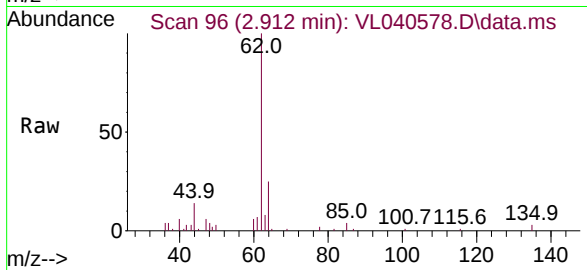
#5
 Vinyl Chloride
 Concen: 0.434 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.016 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

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

Tgt Ion: 62 Resp: 2864
 Ion Ratio Lower Upper
 62 100
 64 25.0 26.4 39.6

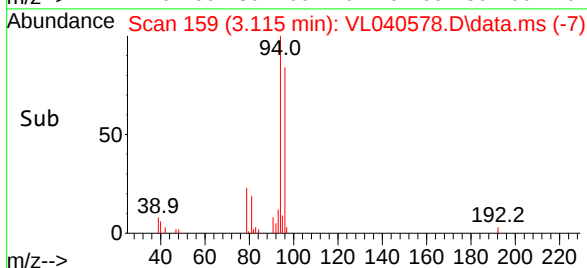
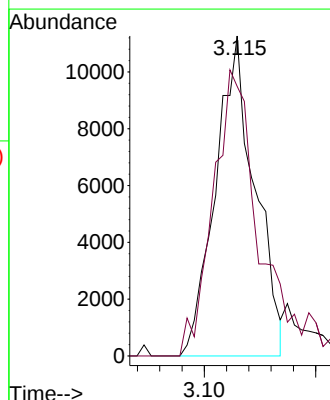
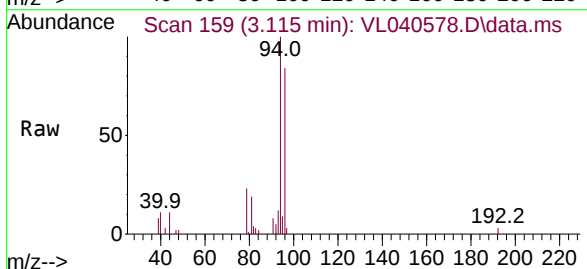
Manual Integrations
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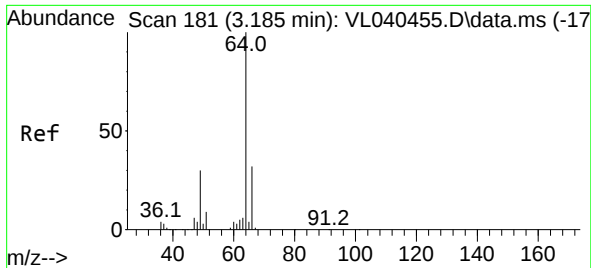
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#6
 Bromomethane
 Concen: 0.497 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.013 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

Tgt Ion: 94 Resp: 13843
 Ion Ratio Lower Upper
 94 100
 96 84.3 75.7 113.5





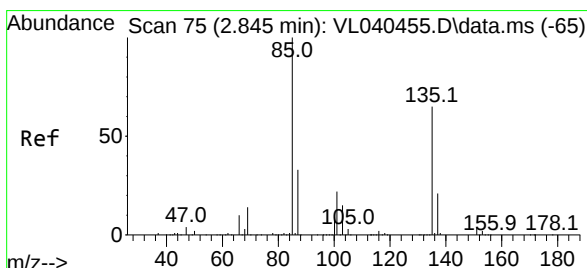
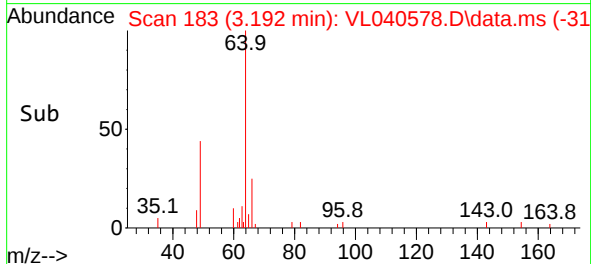
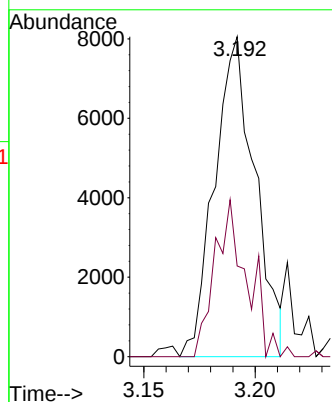
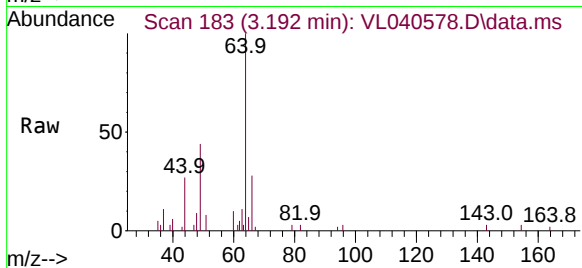
#7
Chloroethane
Concen: 0.440 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Instrument :
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ClientSampleId :
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Tgt Ion: 64 Resp: 10172
Ion Ratio Lower Upper
64 100
66 28.4 24.4 36.6

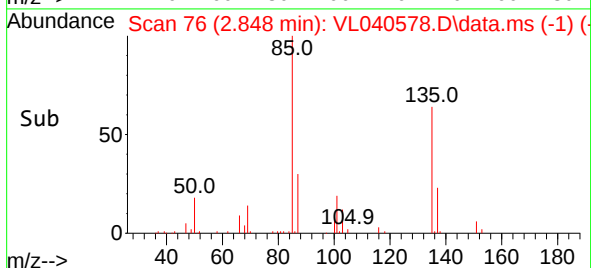
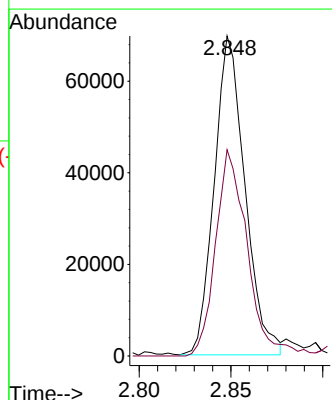
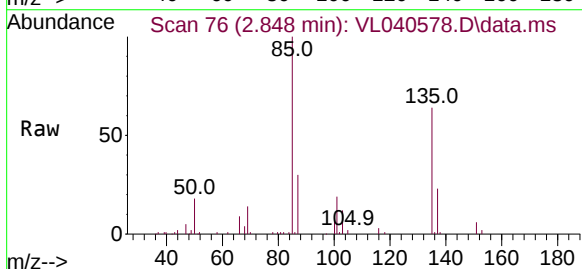
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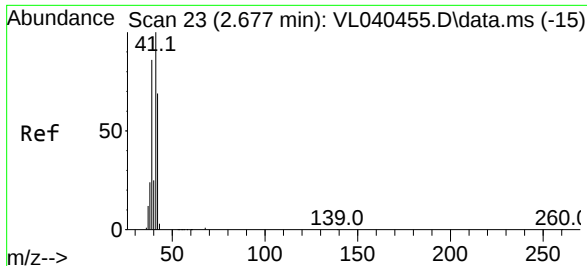
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#8
Dichlorotetrafluoroethane
Concen: 0.492 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.019 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

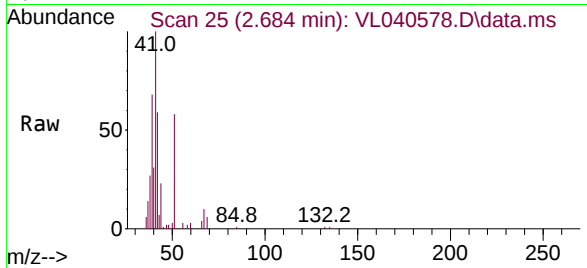
Tgt Ion: 85 Resp: 80928
Ion Ratio Lower Upper
85 100
135 69.2 52.4 78.6





#9
 Propene
 Concen: 0.369 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.019 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

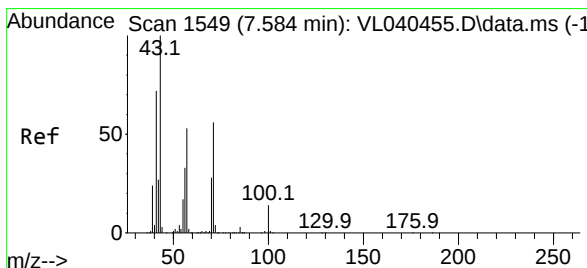
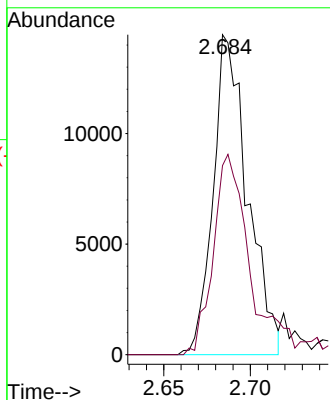
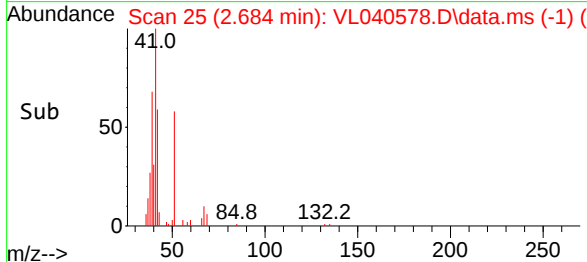
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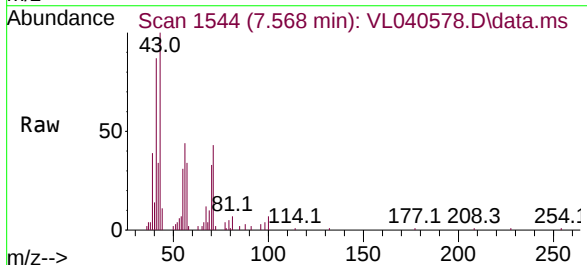
Tgt Ion: 41 Resp: 2005
 Ion Ratio Lower Upper
 41 100
 42 68.6 55.0 82.6

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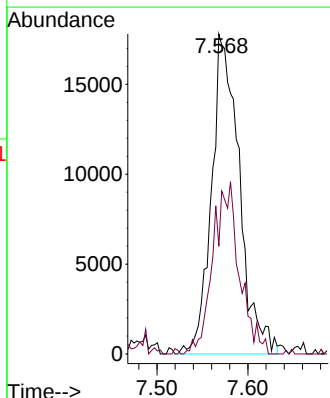
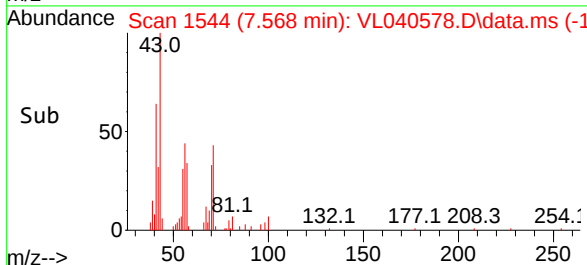
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023

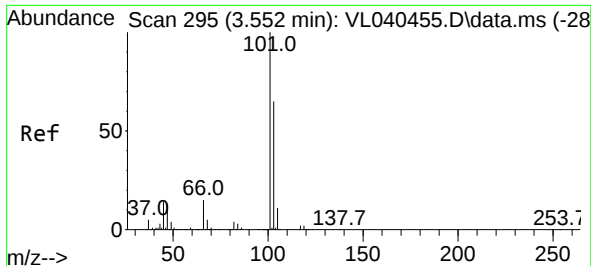


#10
 Heptane
 Concen: 0.315 ppbv m
 RT: 7.568 min Scan# 1544
 Delta R.T. -0.023 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39



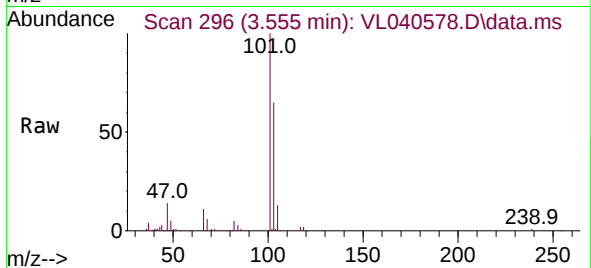
Tgt Ion: 43 Resp: 37773
 Ion Ratio Lower Upper
 43 100
 57 51.5 42.5 63.7





#11
Trichlorofluoromethane
Concen: 0.573 ppbv
RT: 3.555 min Scan# 295
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

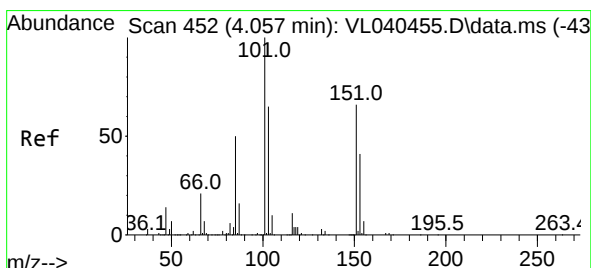
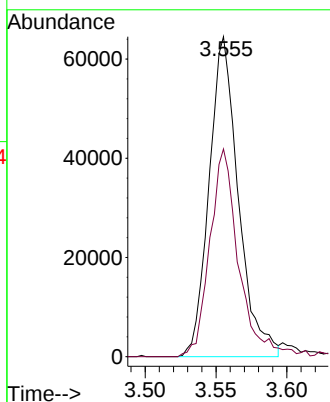
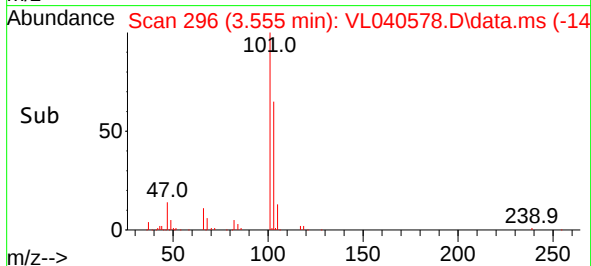
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



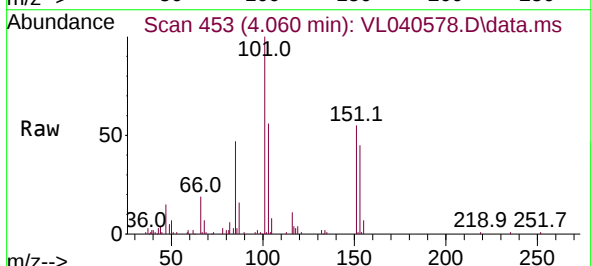
Tgt Ion:101 Resp: 9258
Ion Ratio Lower Upper
101 100
103 64.9 53.4 80.0

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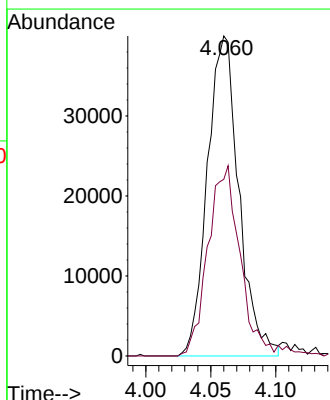
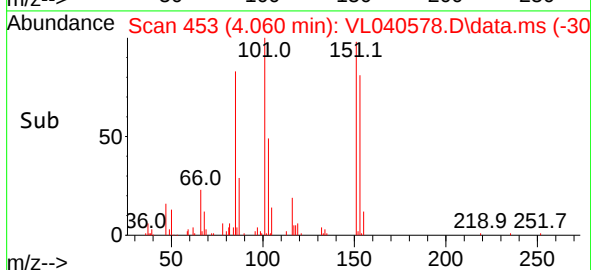
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

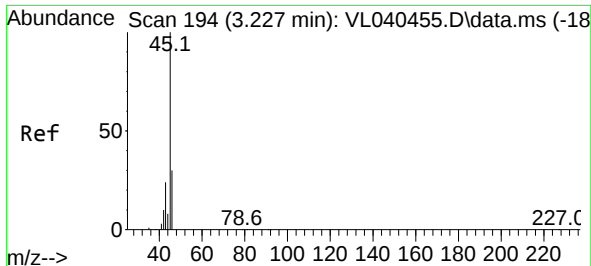


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.593 ppbv
RT: 4.060 min Scan# 453
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39



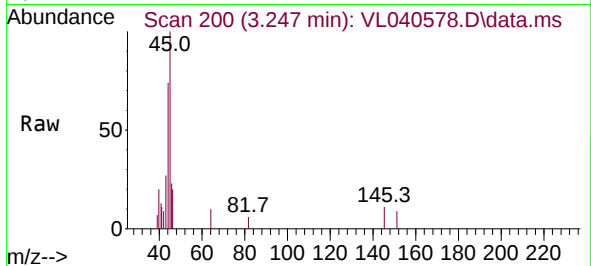
Tgt Ion:101 Resp: 67385
Ion Ratio Lower Upper
101 100
151 62.1 58.2 87.4





#13
Ethanol
Concen: 0.483 ppbv m
RT: 3.247 min Scan# 200
Delta R.T. -0.000 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

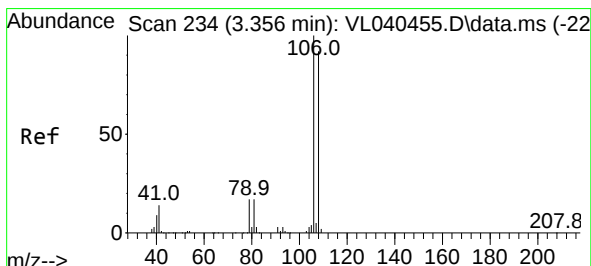
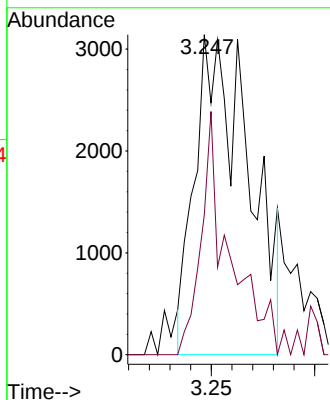
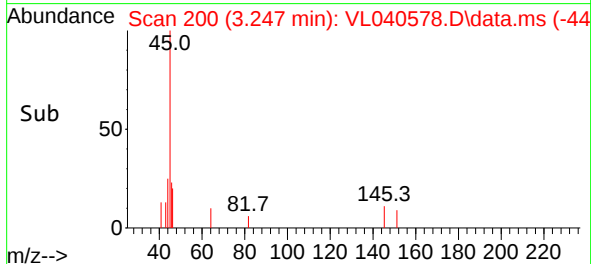
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



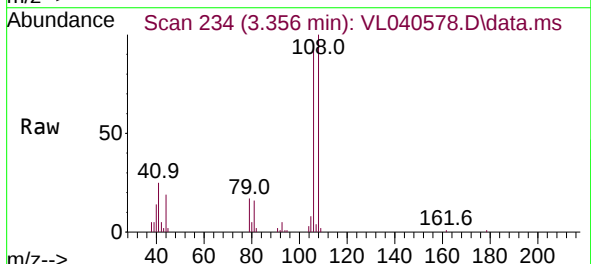
Tgt Ion: 45 Resp: 5708
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

Manual Integrations
APPROVED

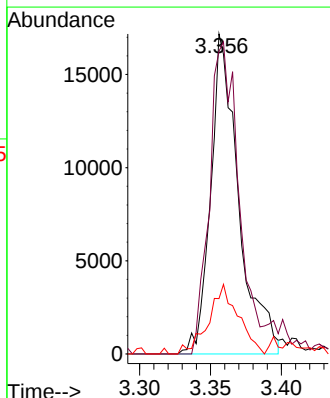
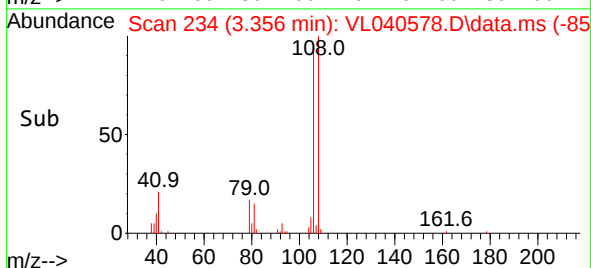
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

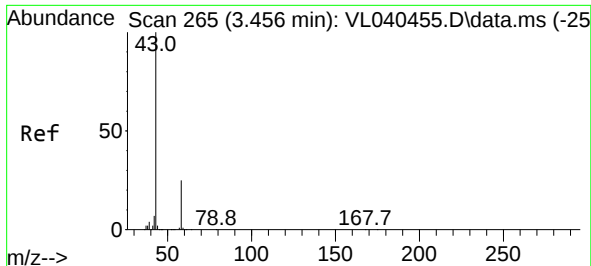


#14
Bromoethene
Concen: 0.484 ppbv
RT: 3.356 min Scan# 234
Delta R.T. -0.019 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39



Tgt Ion:108 Resp: 23666
Ion Ratio Lower Upper
108 100
106 112.5 87.2 130.8
79 23.0 15.3 22.9





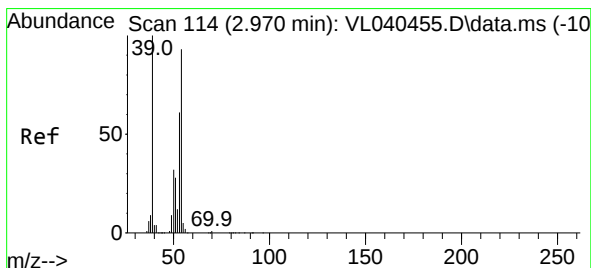
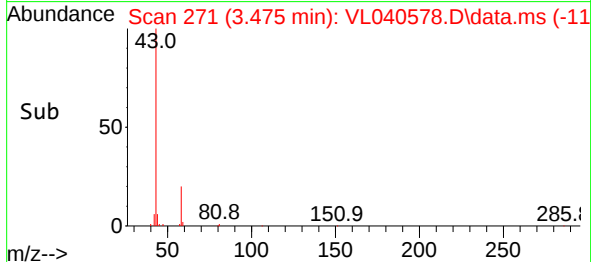
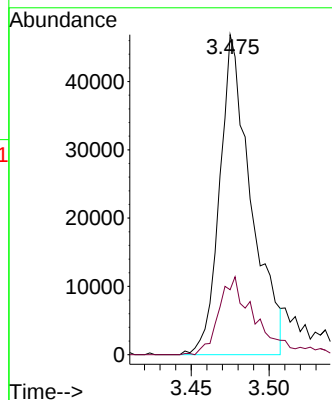
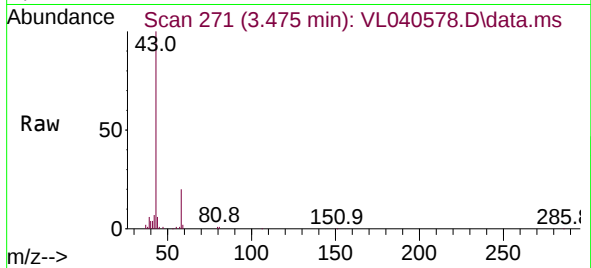
#15
Acetone
Concen: 0.570 ppbv
RT: 3.475 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 43 Resp: 6562
Ion Ratio Lower Upper
43 100
58 29.6 22.9 34.3

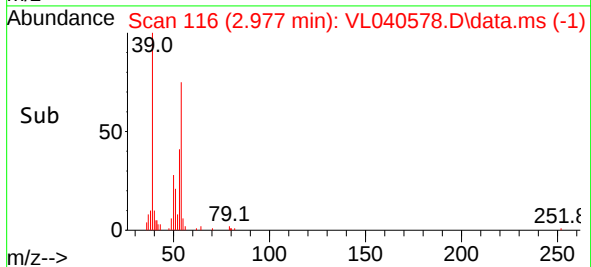
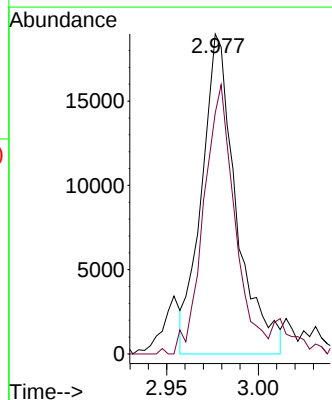
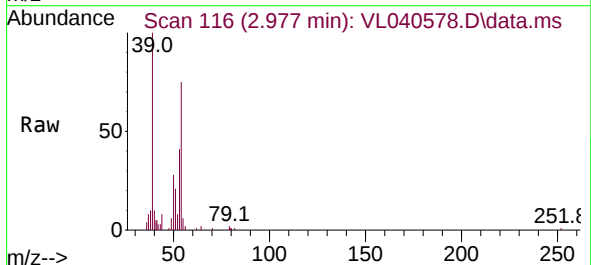
Manual Integrations
APPROVED

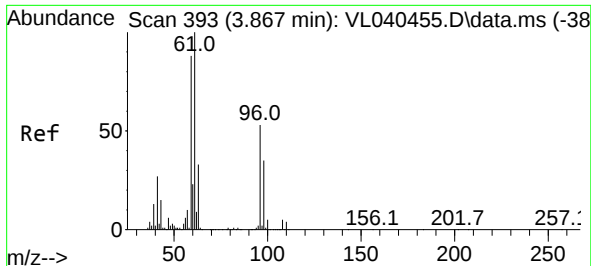
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#16
1,3-Butadiene
Concen: 0.428 ppbv
RT: 2.977 min Scan# 116
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion: 39 Resp: 24857
Ion Ratio Lower Upper
39 100
54 84.4 66.6 100.0





#17

tert-Butyl alcohol

Concen: 0.468 ppbv

RT: 3.890 min Scan# 40

Delta R.T. 0.006 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion: 59 Resp: 5570

Ion Ratio Lower Upper

59 100

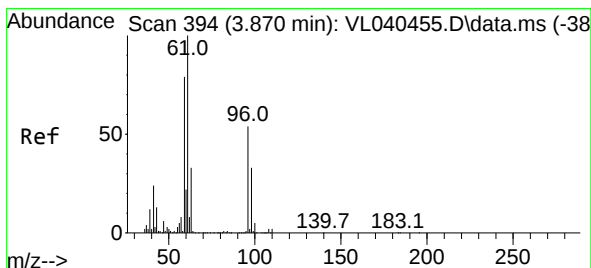
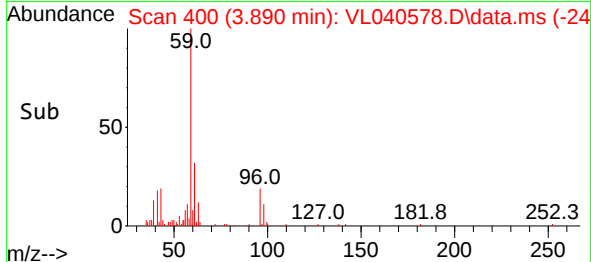
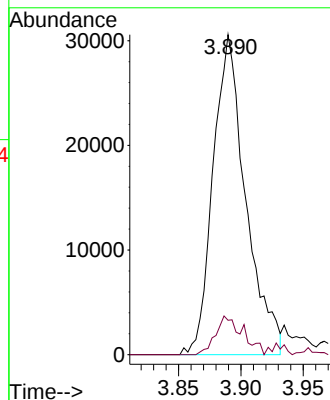
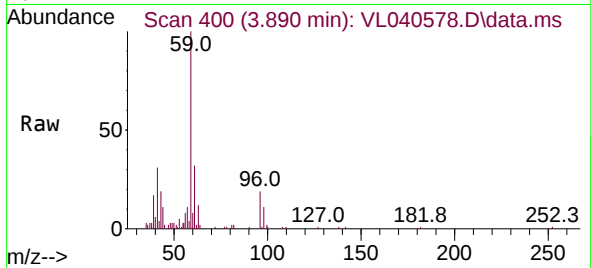
57 12.2 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#18

1,1-Dichloroethene

Concen: 0.495 ppbv

RT: 3.874 min Scan# 395

Delta R.T. -0.016 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

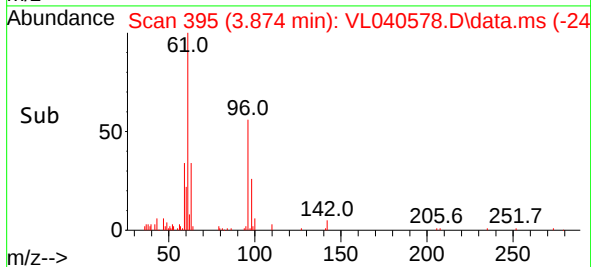
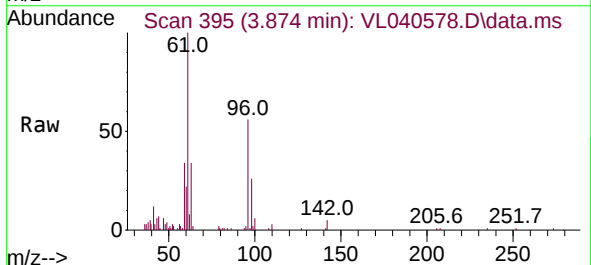
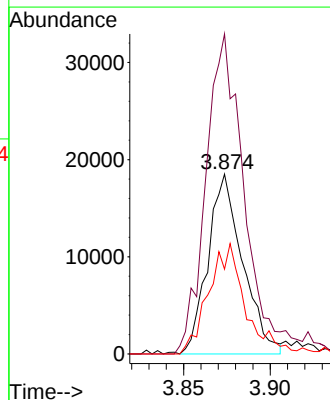
Tgt Ion: 96 Resp: 25873

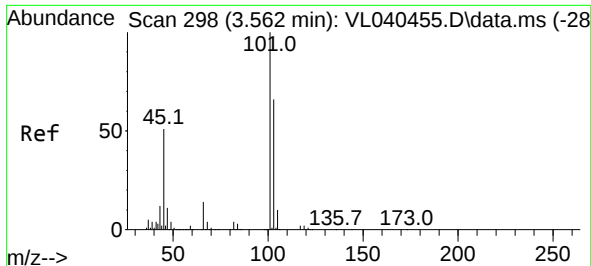
Ion Ratio Lower Upper

96 100

61 173.4 154.4 231.6

98 47.1 50.0 75.0#





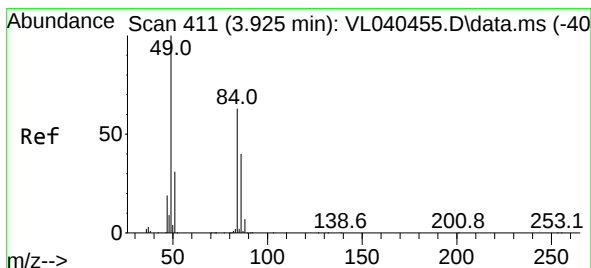
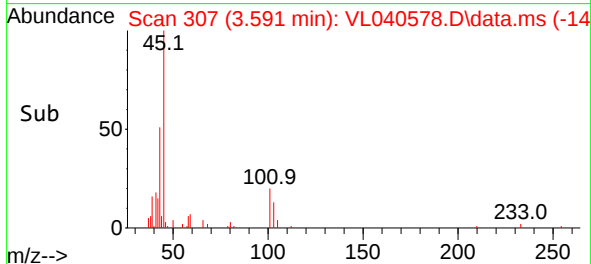
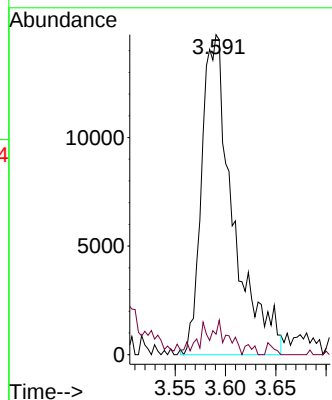
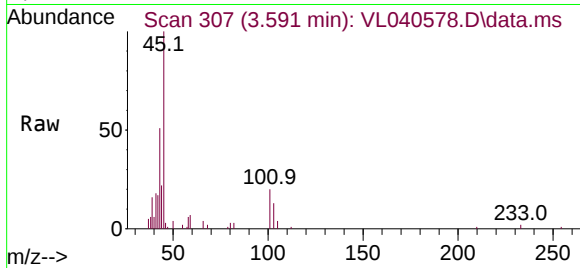
#19
Isopropyl Alcohol
Concen: 0.480 ppbv m
RT: 3.591 min Scan# 307
Delta R.T. 0.010 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 45 Resp: 3171
Ion Ratio Lower Upper
45 100
58 0.0 1.1 1.7

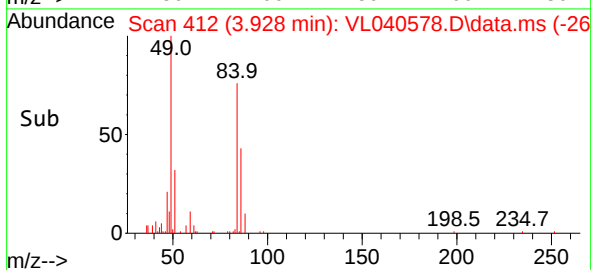
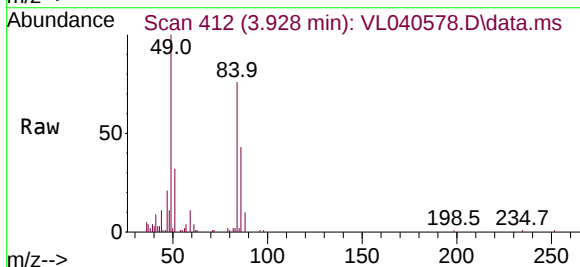
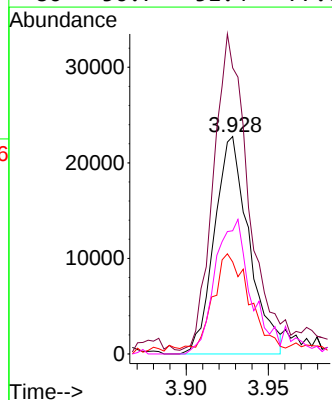
Manual Integrations
APPROVED

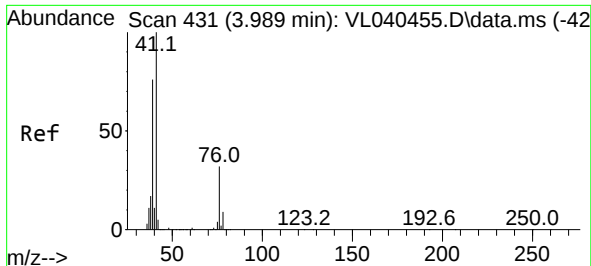
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#20
Methylene Chloride
Concen: 0.683 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion: 84 Resp: 33473
Ion Ratio Lower Upper
84 100
49 129.9 123.4 185.2
51 39.8 38.3 57.5
86 56.7 51.4 77.0





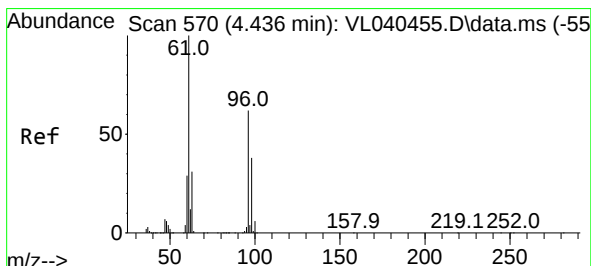
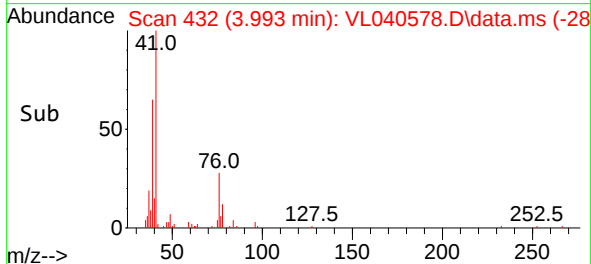
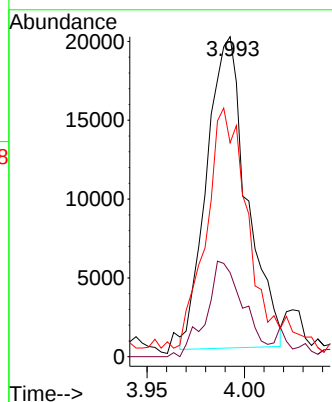
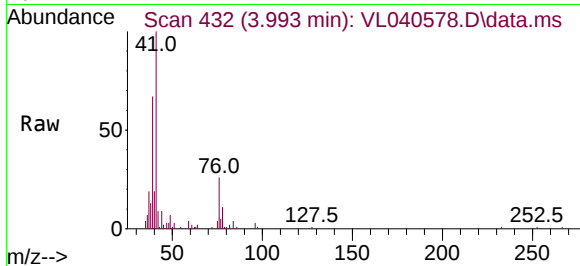
#21
 Allyl Chloride
 Concen: 0.431 ppbv
 RT: 3.993 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

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

Tgt Ion: 41 Resp: 2832
 Ion Ratio Lower Upper
 41 100
 76 33.5 24.8 37.2
 39 96.6 60.6 91.0

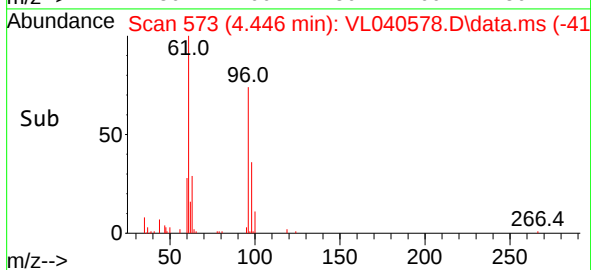
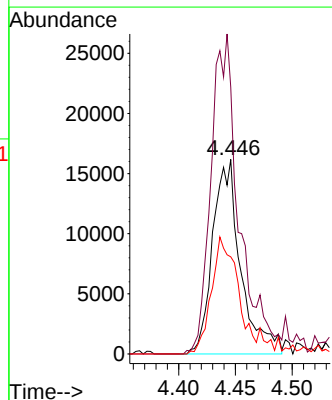
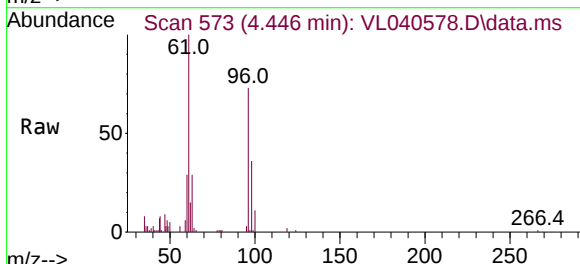
Manual Integrations
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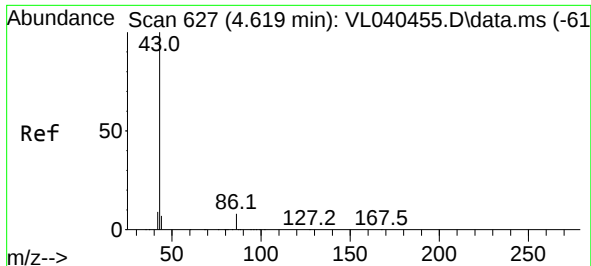
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.536 ppbv m
 RT: 4.446 min Scan# 573
 Delta R.T. -0.006 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

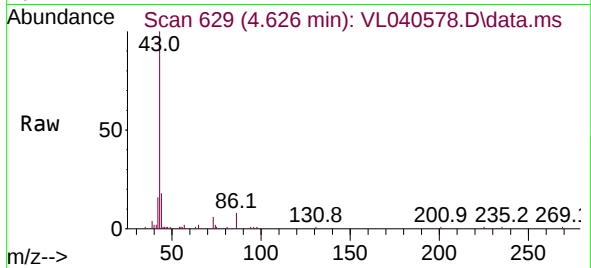
Tgt Ion: 96 Resp: 27639
 Ion Ratio Lower Upper
 96 100
 61 137.1 137.7 206.5#
 98 50.0 52.9 79.3#





#23
 Vinyl Acetate
 Concen: 0.373 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

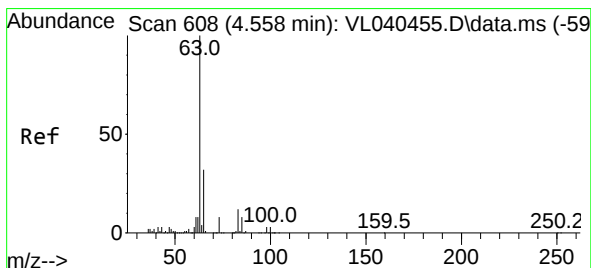
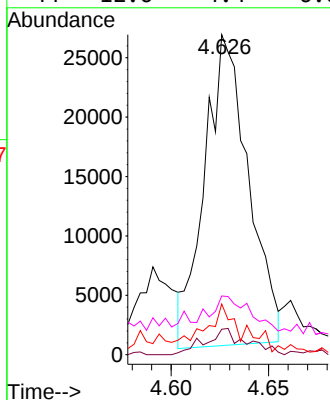
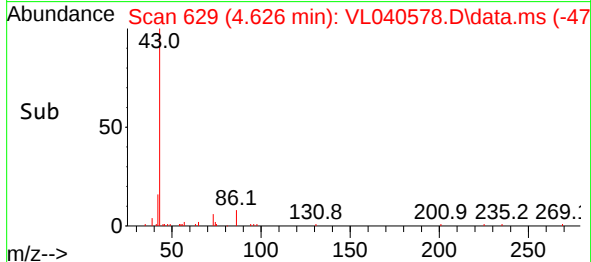
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion: 43 Resp: 4088
 Ion Ratio Lower Upper
 43 100
 86 8.5 5.6 8.4
 42 15.1 7.4 11.2
 44 12.6 4.4 6.6

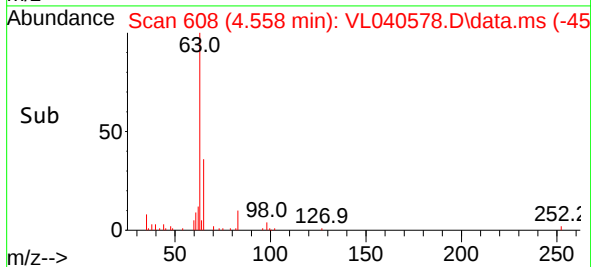
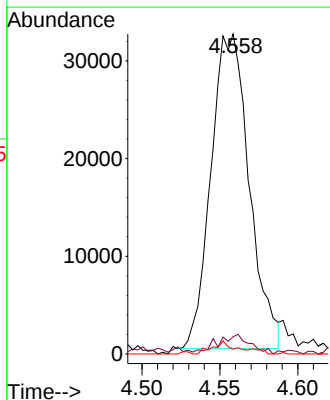
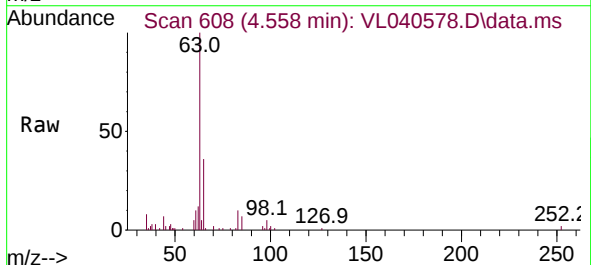
Manual Integrations
 APPROVED

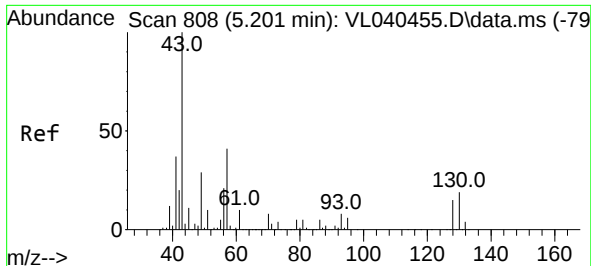
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#24
 1,1-Dichloroethane
 Concen: 0.493 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.013 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

Tgt Ion: 63 Resp: 54886
 Ion Ratio Lower Upper
 63 100
 98 4.5 1.8 5.5
 100 1.6 1.4 4.0





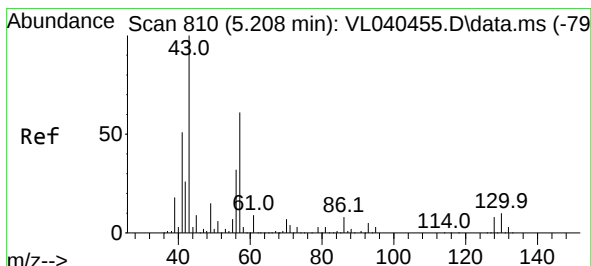
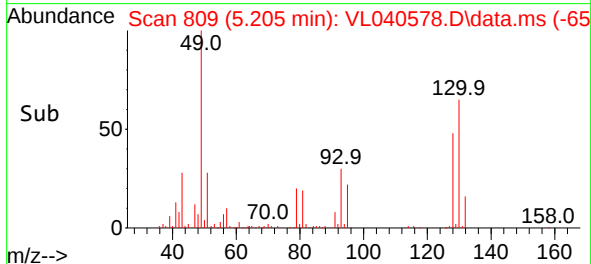
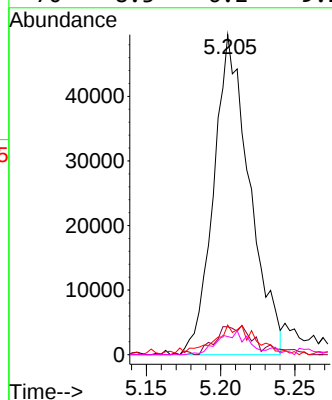
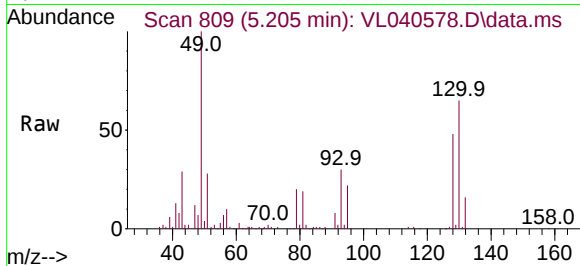
#25
Ethyl Acetate
Concen: 0.380 ppbv
RT: 5.205 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 43 Resp: 8324
Ion Ratio Lower Upper
43 100
45 10.6 8.2 12.4
61 10.0 8.3 12.5
70 8.3 6.2 9.2

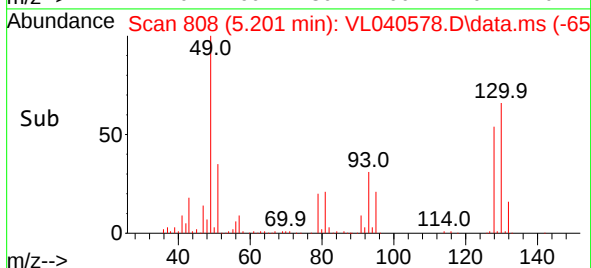
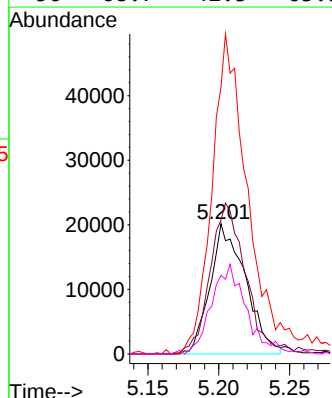
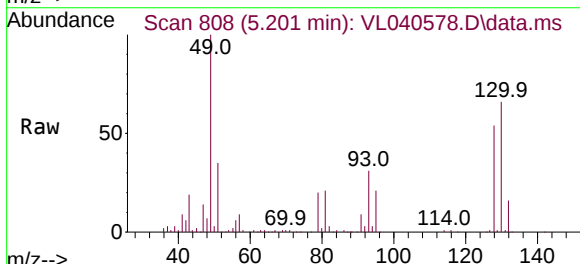
Manual Integrations
APPROVED

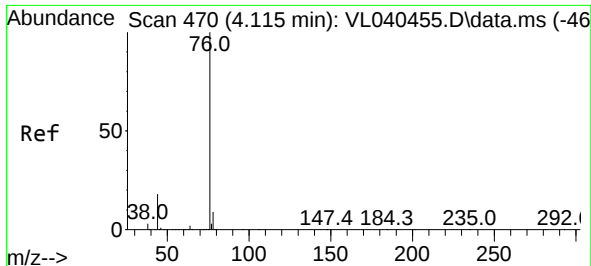
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#26
Hexane
Concen: 0.343 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.019 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

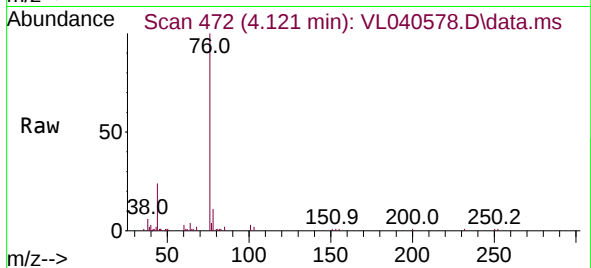
Tgt Ion: 57 Resp: 34959
Ion Ratio Lower Upper
57 100
41 118.7 69.5 104.3#
43 265.4 177.1 265.7
56 68.7 42.3 63.5#





#27
Carbon Disulfide
Concen: 0.461 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

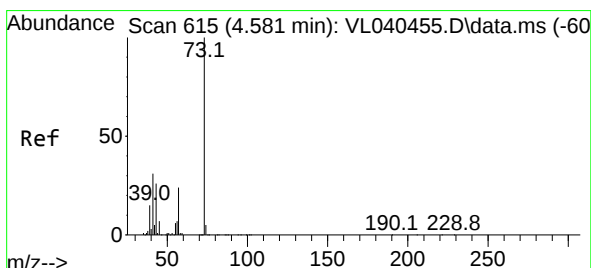
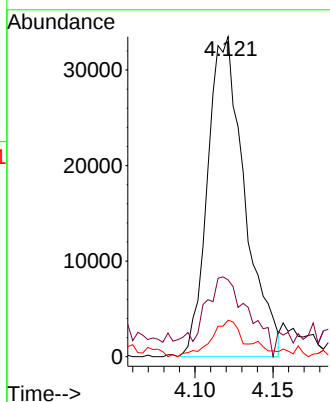
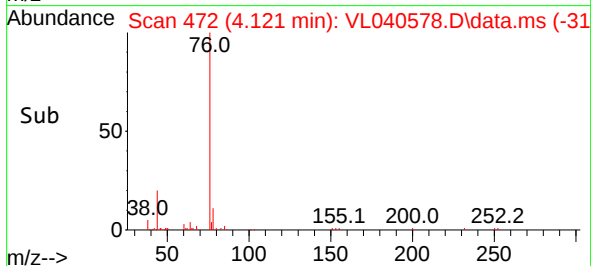
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 76 Resp: 55230
Ion Ratio Lower Upper
76 100
44 33.5 15.1 22.7
78 13.4 7.5 11.3

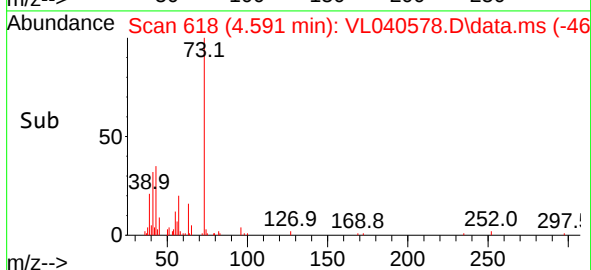
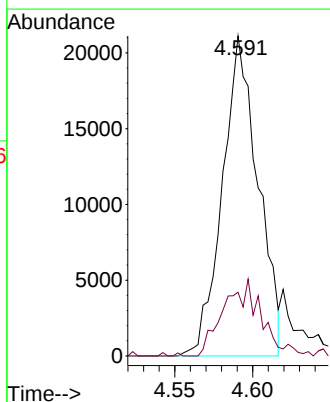
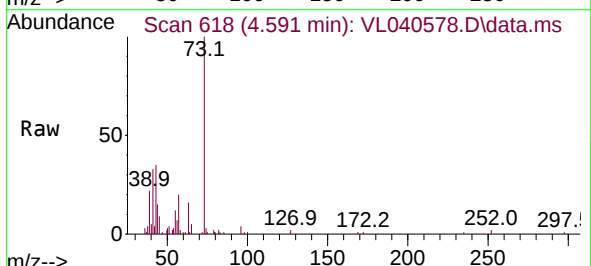
Manual Integrations
APPROVED

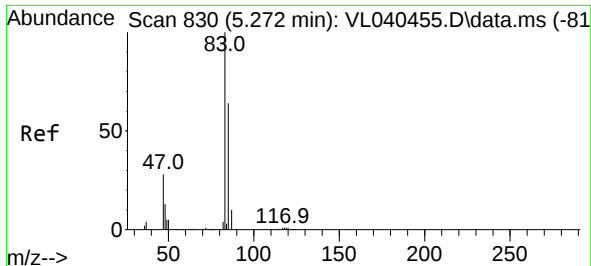
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#28
Methyl tert-Butyl Ether
Concen: 0.409 ppbv
RT: 4.591 min Scan# 618
Delta R.T. -0.003 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion: 73 Resp: 33568
Ion Ratio Lower Upper
73 100
57 26.2 18.8 28.2





#29

Chloroform

Concen: 0.477 ppbv

RT: 5.263 min Scan# 80

Delta R.T. -0.023 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion: 83 Resp: 80514

Ion Ratio Lower Upper

83 100

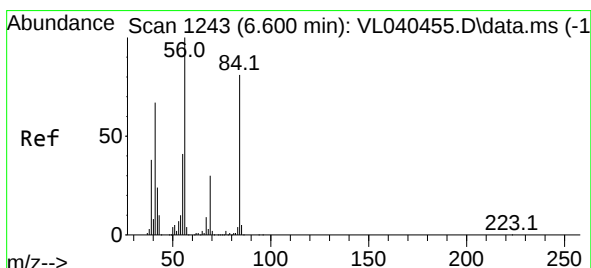
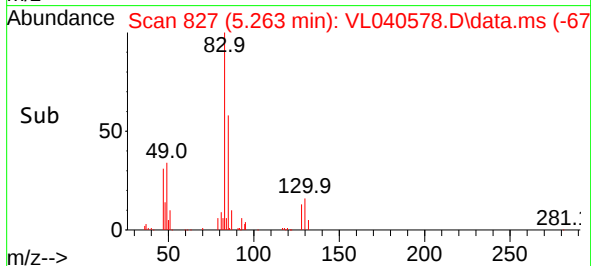
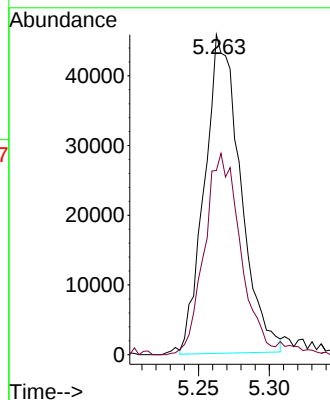
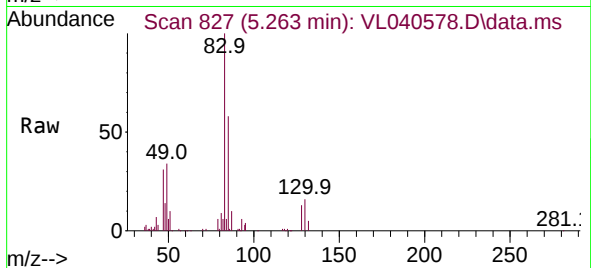
85 57.1 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#30

Cyclohexane

Concen: 0.229 ppbv m

RT: 6.597 min Scan# 1242

Delta R.T. -0.013 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

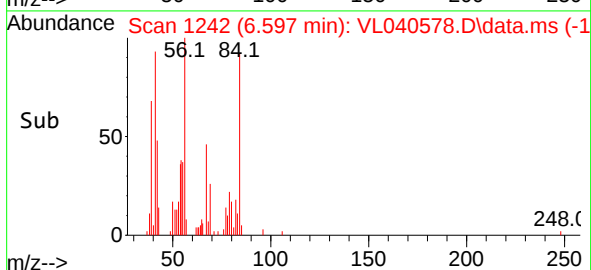
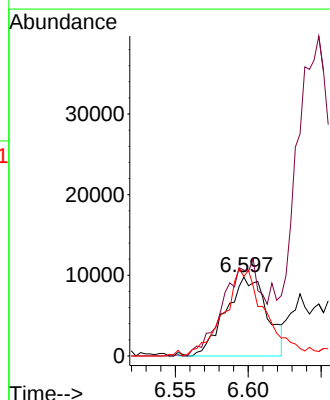
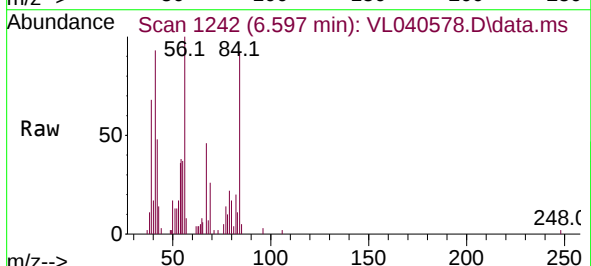
Tgt Ion: 84 Resp: 19422

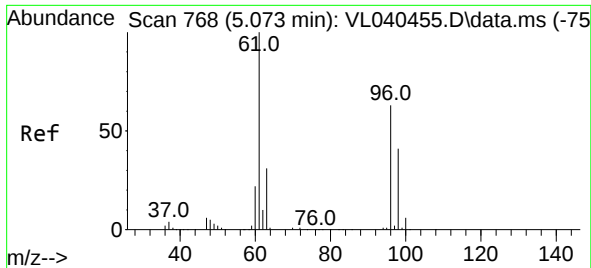
Ion Ratio Lower Upper

84 100

56 0.0 108.7 163.1#

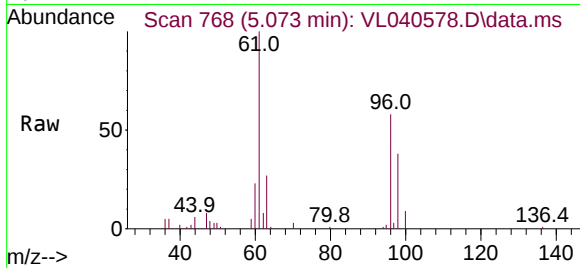
41 116.9 64.5 96.7#





#31
 cis-1,2-Dichloroethene
 Concen: 0.340 ppbv m
 RT: 5.073 min Scan# 768
 Delta R.T. -0.013 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

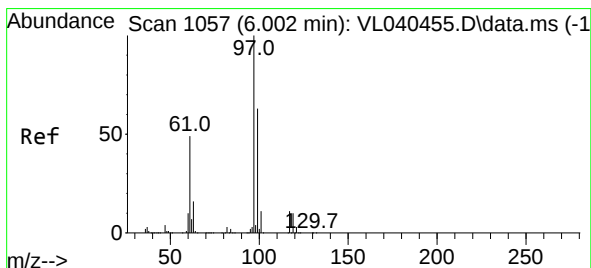
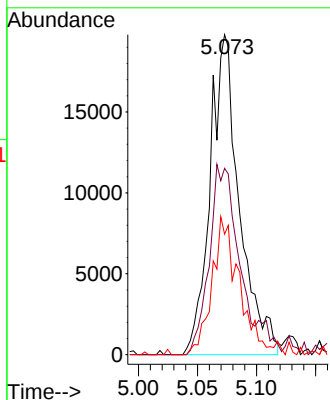
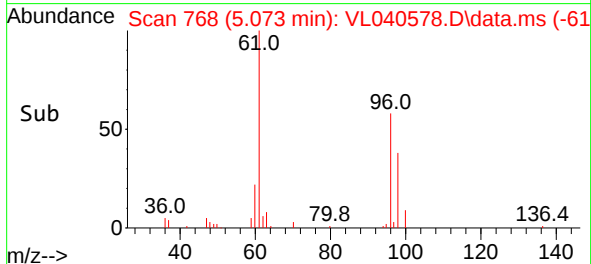
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion: 61 Resp: 3423
 Ion Ratio Lower Upper
 61 100
 96 58.2 54.7 82.1
 98 37.6 34.6 52.0

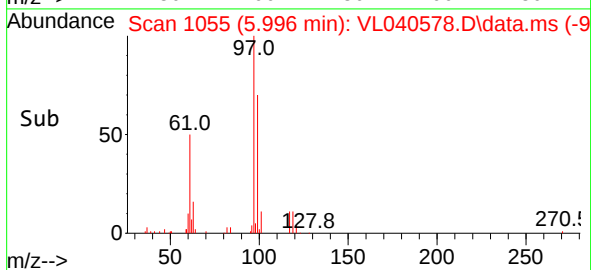
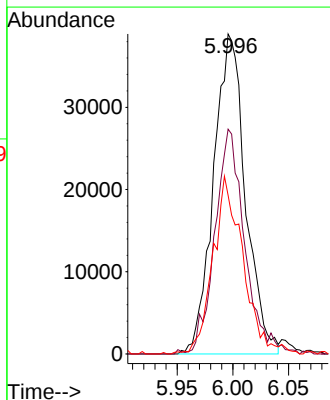
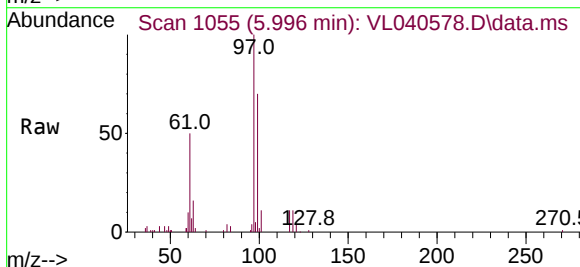
Manual Integrations
 APPROVED

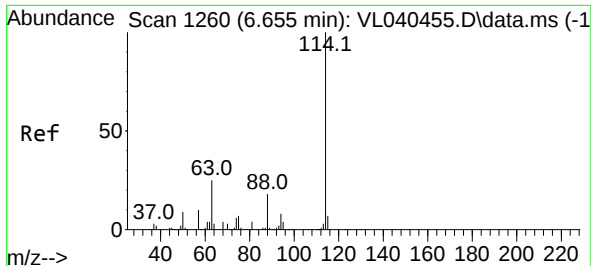
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.468 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.016 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

Tgt Ion: 97 Resp: 77400
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.0 78.0
 61 52.5 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.019 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:114 Resp: 253115

Ion Ratio Lower Upper

114 100

63 27.4 19.6 29.4

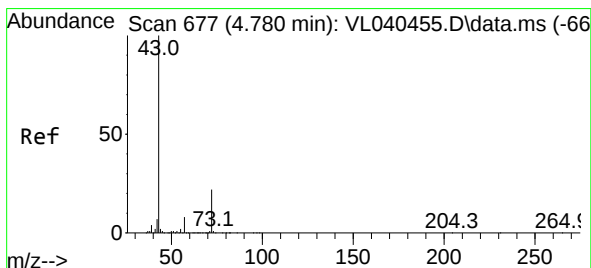
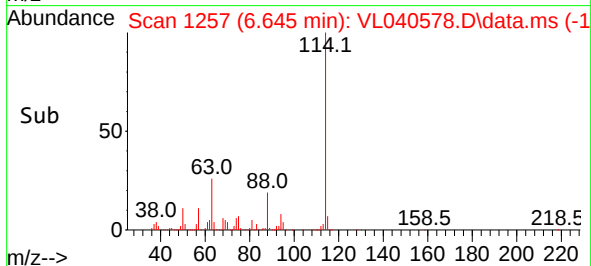
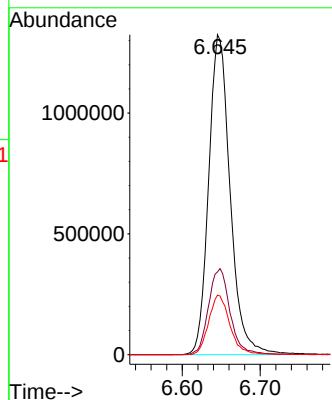
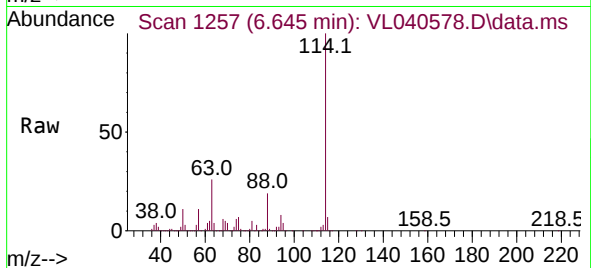
88 18.6 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#34

2-Butanone

Concen: 0.374 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.000 min

Lab File: VL040578.D

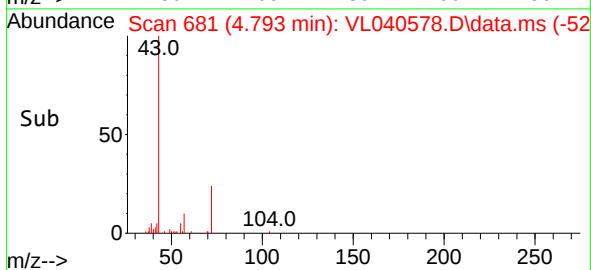
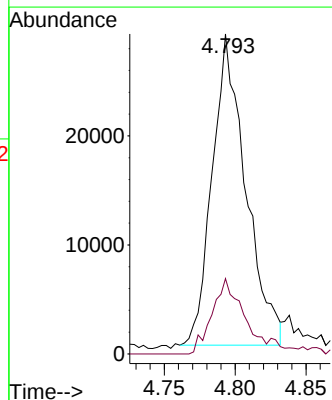
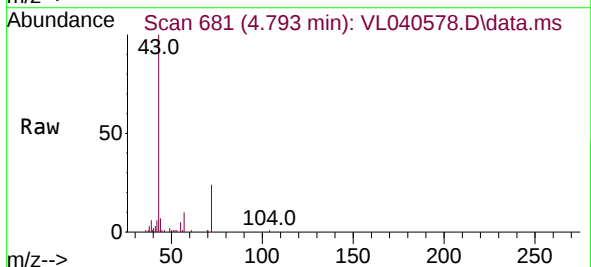
Acq: 31 Jul 2023 18:39

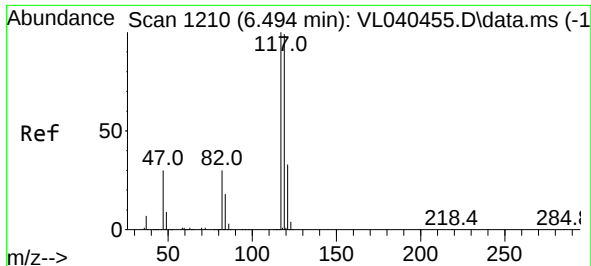
Tgt Ion: 43 Resp: 46813

Ion Ratio Lower Upper

43 100

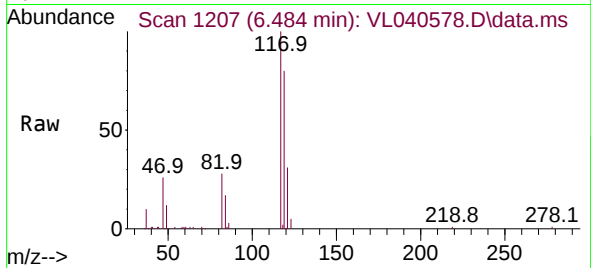
72 25.9 19.1 28.7





#35
Carbon Tetrachloride
Concen: 0.524 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. -0.019 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

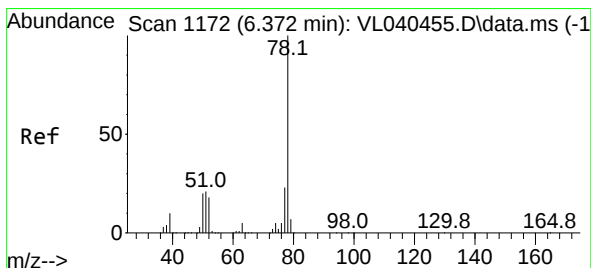
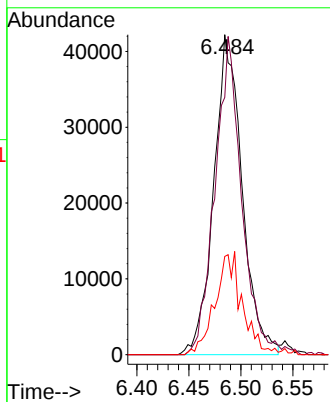
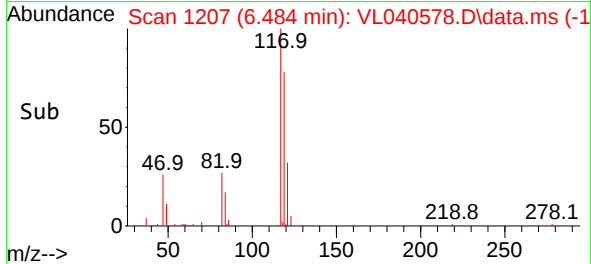
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 117 Resp: 7980
Ion Ratio Lower Upper
117 100
119 80.4 77.8 116.6
121 30.7 24.8 37.2

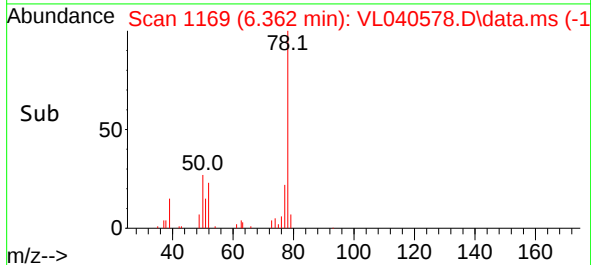
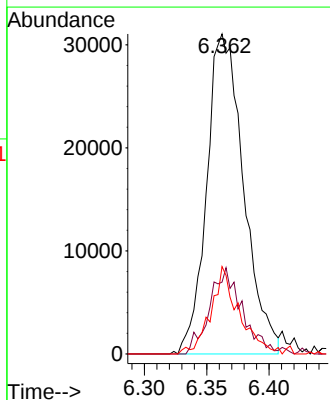
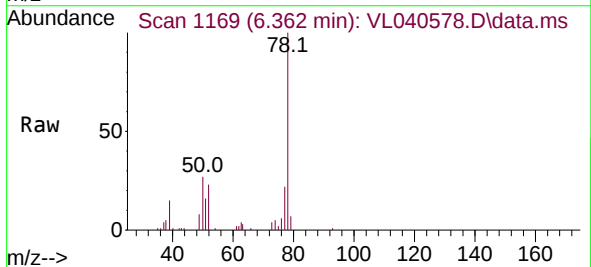
Manual Integrations
APPROVED

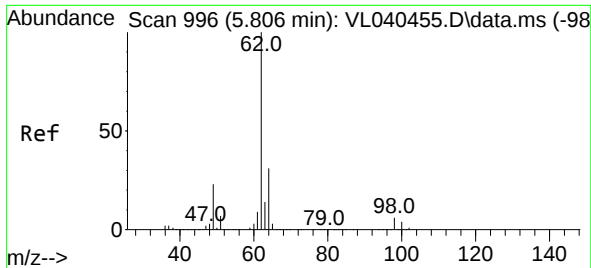
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#36
Benzene
Concen: 0.314 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.019 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion: 78 Resp: 63922
Ion Ratio Lower Upper
78 100
77 22.4 17.4 26.0
50 27.3 14.4 21.6#





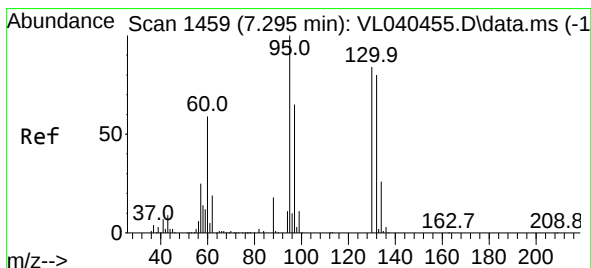
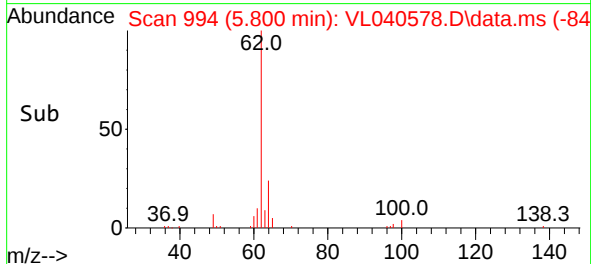
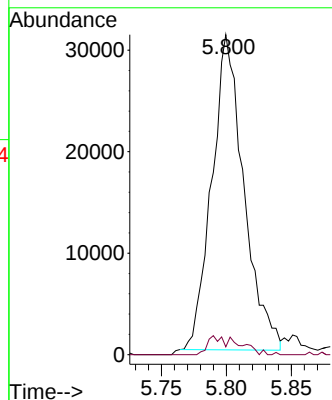
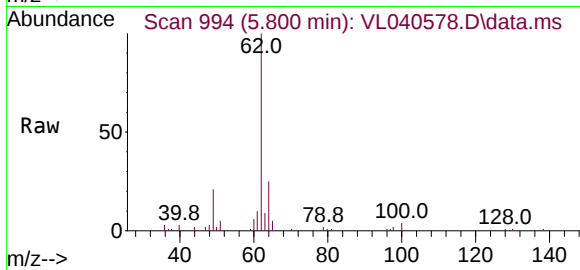
#37
1,2-Dichloroethane
Concen: 0.443 ppbv
RT: 5.800 min Scan# 996
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 62 Resp: 53100
Ion Ratio Lower Upper
62 100
98 5.7 5.1 7.7

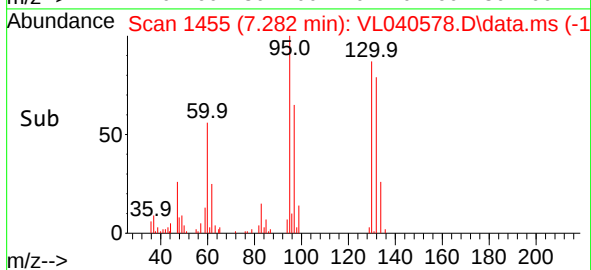
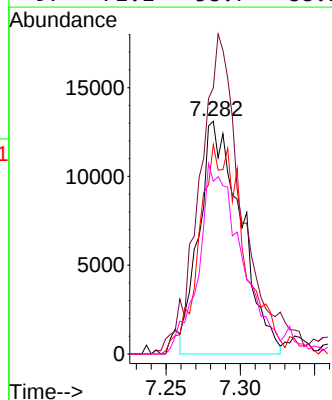
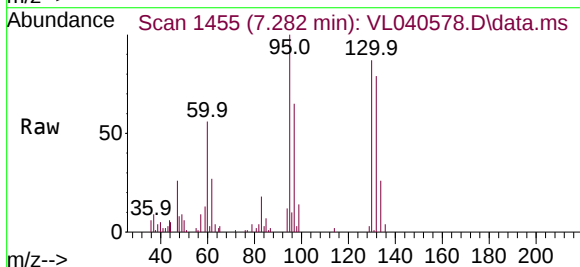
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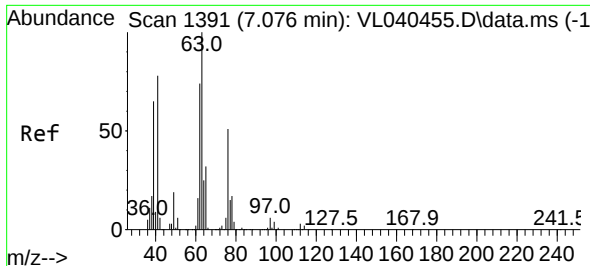
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#38
Trichloroethene
Concen: 0.332 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. -0.023 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion:130 Resp: 25596
Ion Ratio Lower Upper
130 100
95 99.7 90.2 135.2
132 87.1 76.3 114.5
97 71.1 58.7 88.1





#39

1,2-Dichloropropane

Concen: 0.389 ppbv

RT: 7.070 min Scan# 1389

Delta R.T. -0.013 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

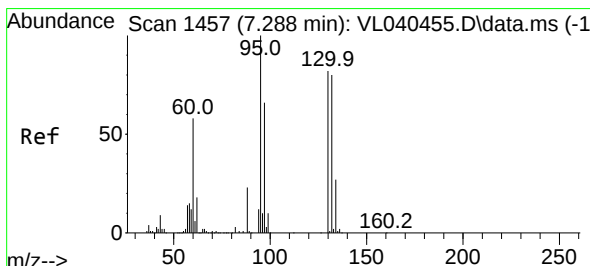
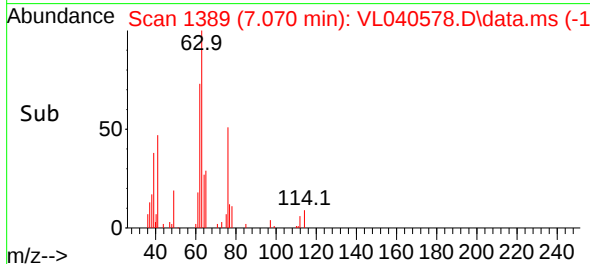
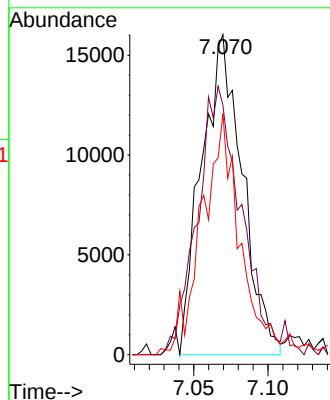
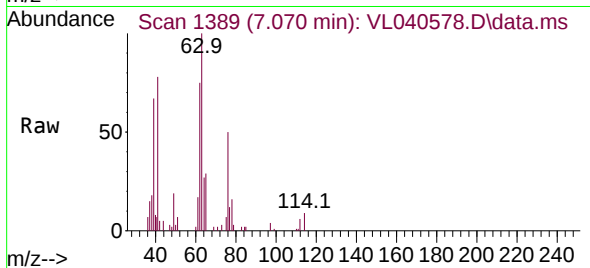
Tgt Ion: 63 Resp: 30518

Ion	Ratio	Lower	Upper
63	100		
41	72.9	54.3	81.5
62	72.1	55.6	83.4

Manual Integrations

APPROVED

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



#40

1,4-Dioxane

Concen: 0.337 ppbv m

RT: 7.327 min Scan# 1469

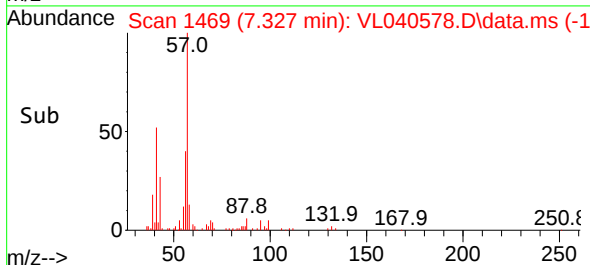
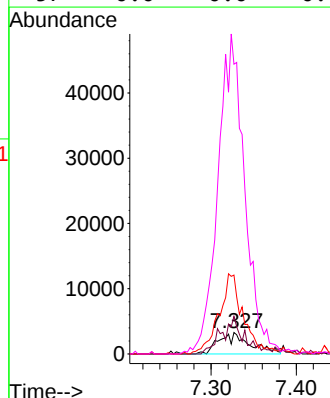
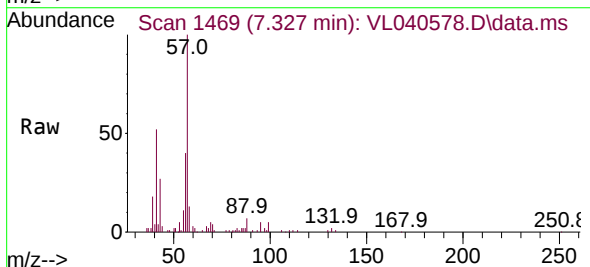
Delta R.T. 0.029 min

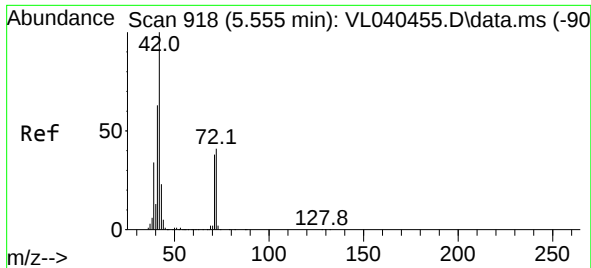
Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Tgt Ion: 88 Resp: 8270

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.6	88.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





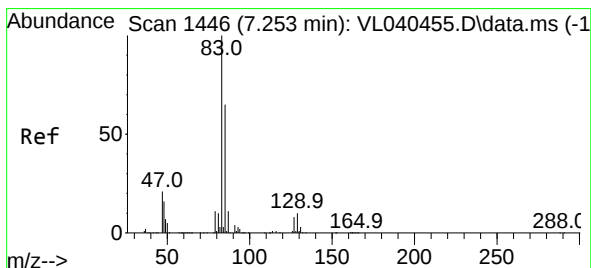
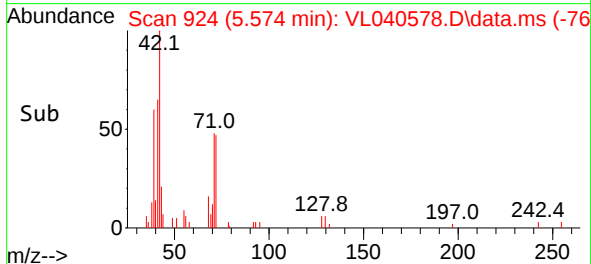
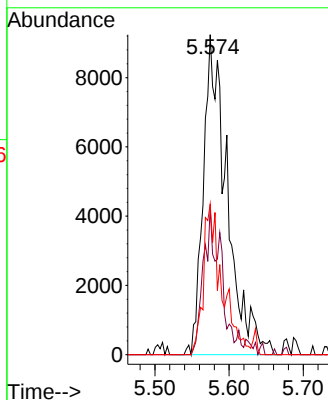
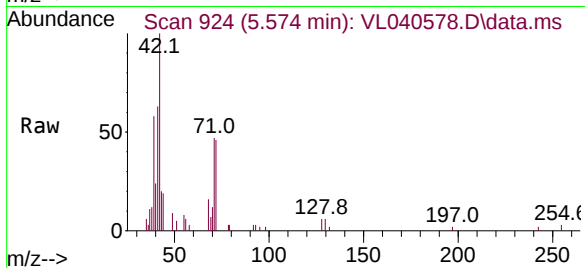
#41
Tetrahydrofuran
Concen: 0.282 ppbv m
RT: 5.574 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 42 Resp: 2055
Ion Ratio Lower Upper
42 100
72 36.3 33.8 50.8
71 38.2 33.0 49.6

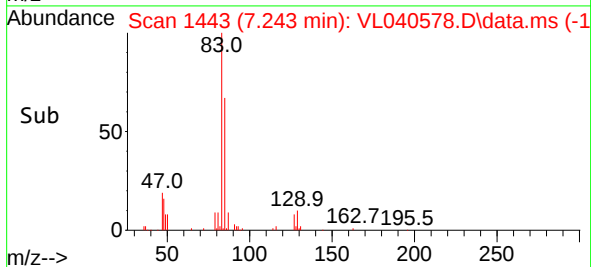
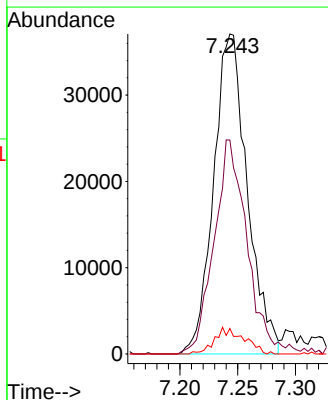
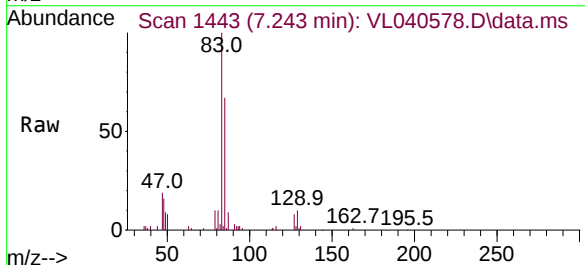
Manual Integrations
APPROVED

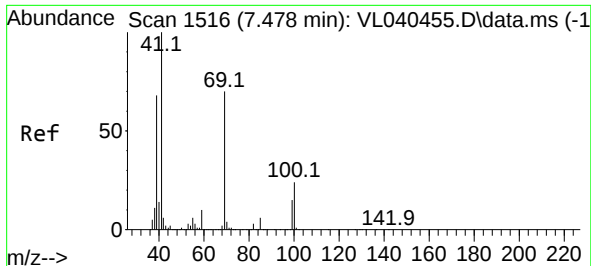
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#42
Bromodichloromethane
Concen: 0.451 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

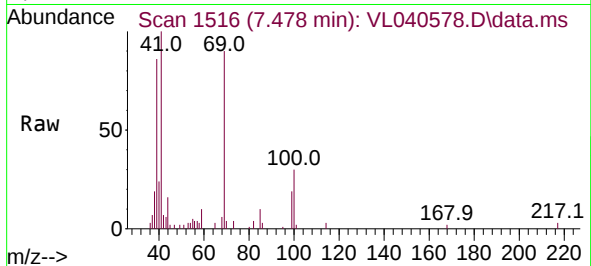
Tgt Ion: 83 Resp: 75135
Ion Ratio Lower Upper
83 100
85 66.8 51.1 76.7
127 8.0 6.5 9.7





#43
Methyl Methacrylate
Concen: 0.245 ppbv
RT: 7.478 min Scan# 1468
Delta R.T. -0.006 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

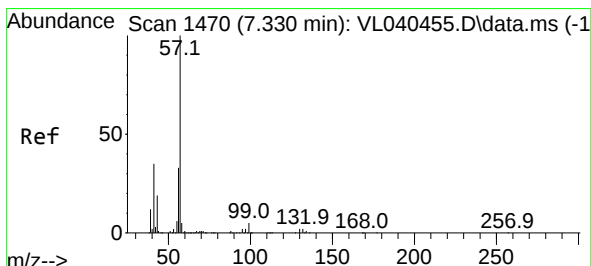
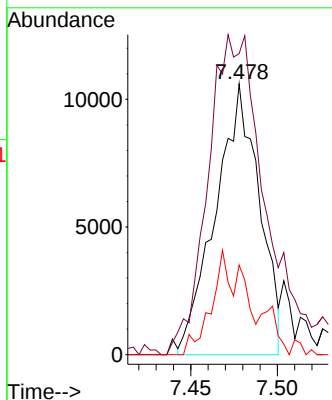
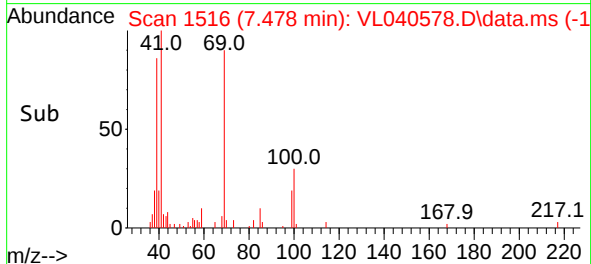
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 69 Resp: 18658
Ion Ratio Lower Upper
69 100
41 153.1 111.7 167.5
100 35.2 26.9 40.3

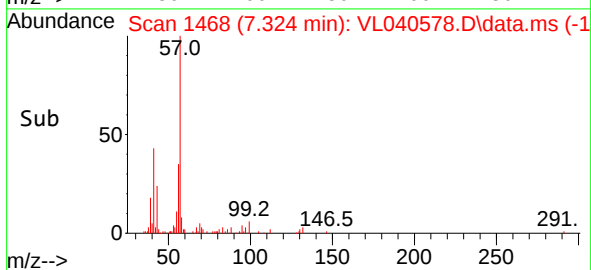
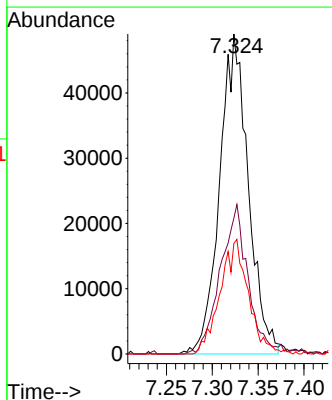
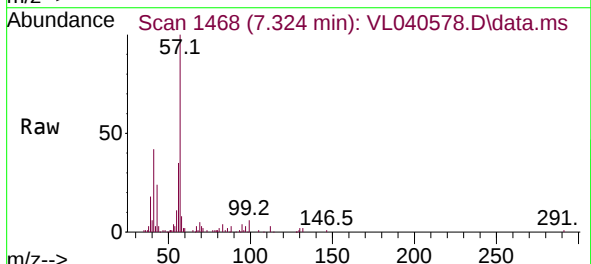
Manual Integrations
APPROVED

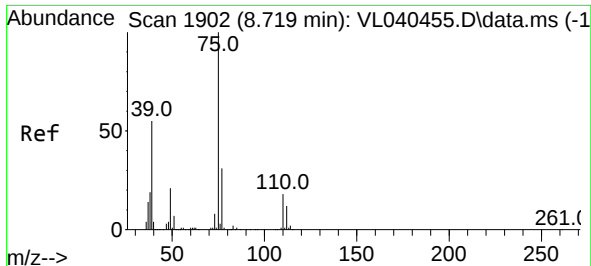
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#44
2,2,4-Trimethylpentane
Concen: 0.325 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion: 57 Resp: 106520
Ion Ratio Lower Upper
57 100
41 45.9 25.5 38.3#
56 35.4 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.254 ppbv m

RT: 8.700 min Scan# 11

Delta R.T. -0.023 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

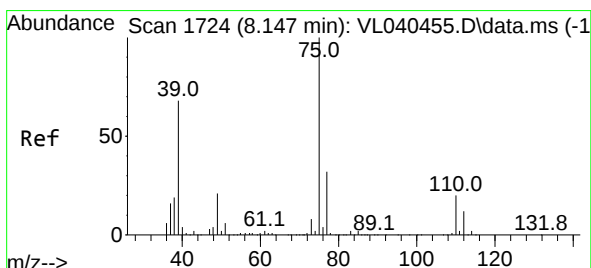
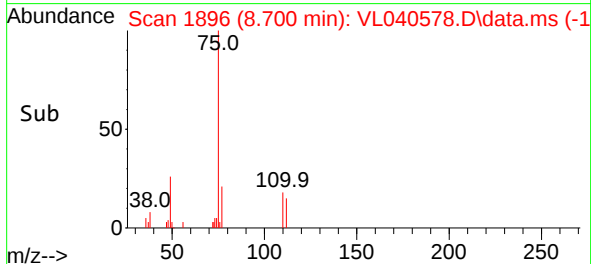
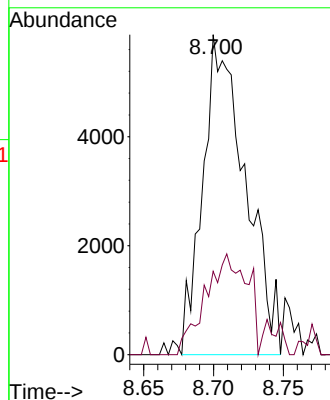
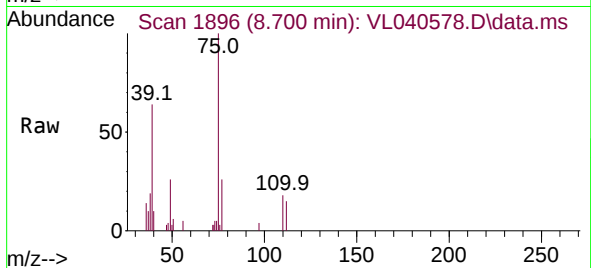
MDL-AIR-03-QT3-2023

Tgt Ion: 75 Resp: 12428
 Ion Ratio Lower Upper
 75 100
 77 26.1 26.0 39.0

Manual Integrations

APPROVED

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



#46

cis-1,3-Dichloropropene

Concen: 0.272 ppbv m

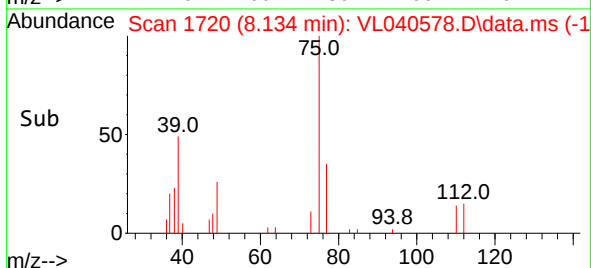
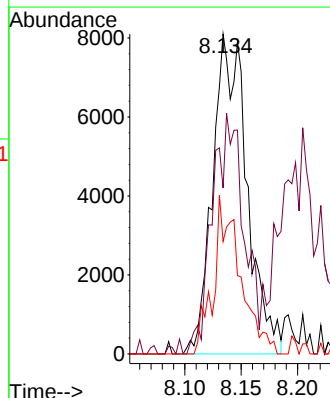
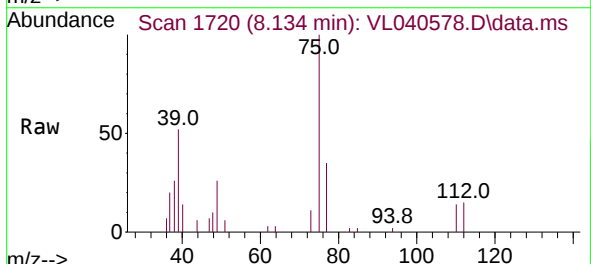
RT: 8.134 min Scan# 1720

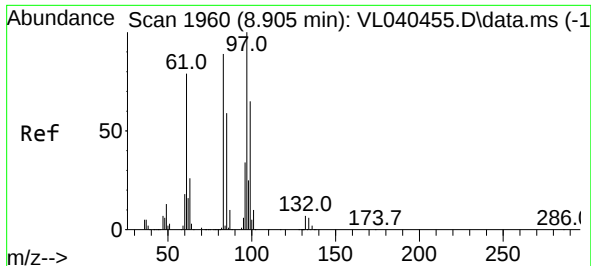
Delta R.T. -0.019 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Tgt Ion: 75 Resp: 17092
 Ion Ratio Lower Upper
 75 100
 39 51.9 48.0 72.0
 77 35.2 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 0.385 ppbv

RT: 8.889 min Scan# 1960

Delta R.T. -0.019 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

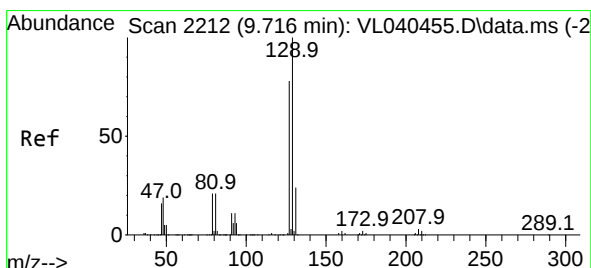
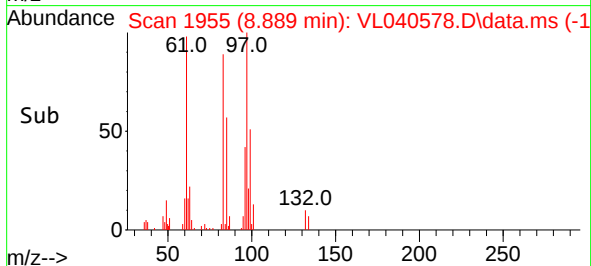
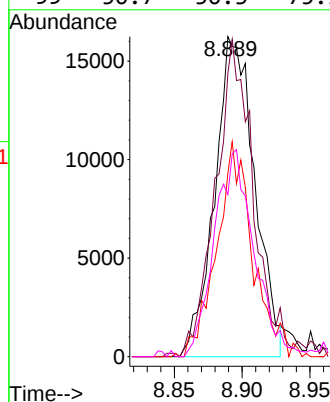
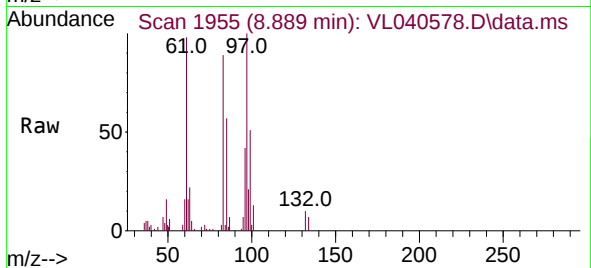
MDL-AIR-03-QT3-2023

Tgt Ion: 97	Resp: 3327
Ion Ratio	Lower Upper
97 100	
83 88.5	73.4 110.0
85 57.3	46.6 70.0
99 50.7	50.3 75.5

Manual Integrations

APPROVED

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



#48

Dibromochloromethane

Concen: 0.381 ppbv m

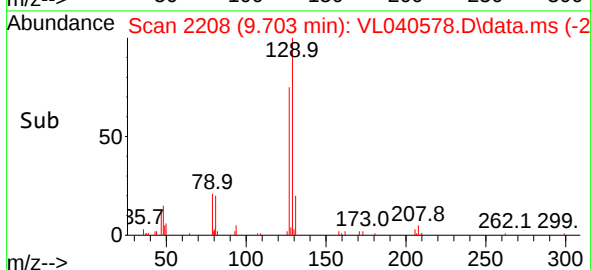
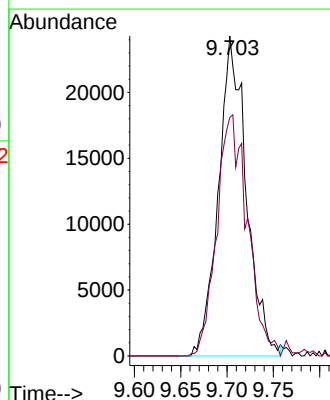
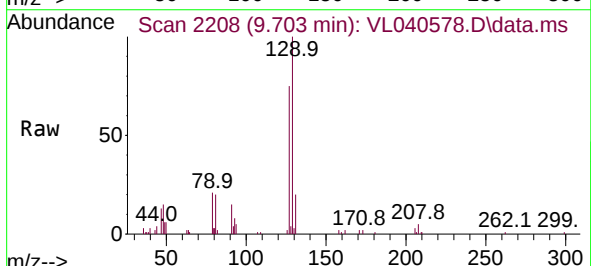
RT: 9.703 min Scan# 2208

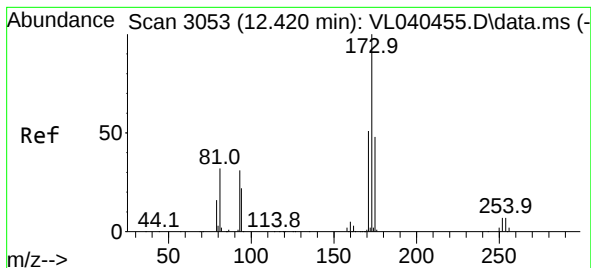
Delta R.T. -0.019 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Tgt Ion: 129	Resp: 50909
Ion Ratio	Lower Upper
129 100	
127 84.7	39.1 117.3





#49

Bromoform

Concen: 0.353 ppbv

RT: 12.401 min Scan# 3053

Delta R.T. -0.023 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

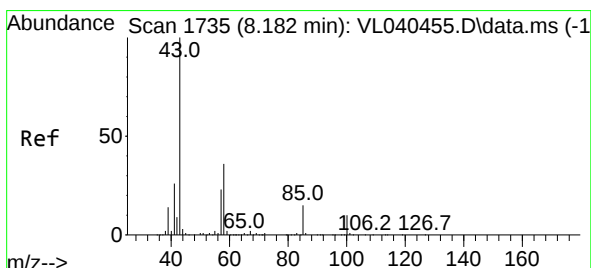
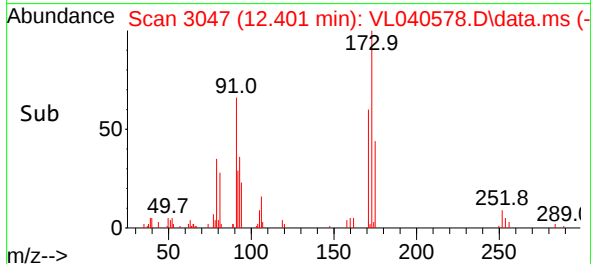
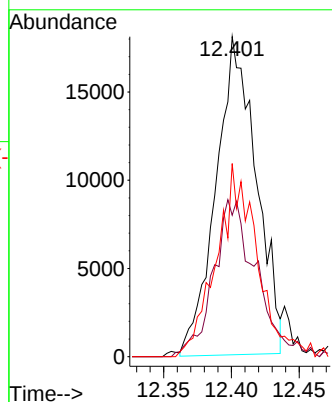
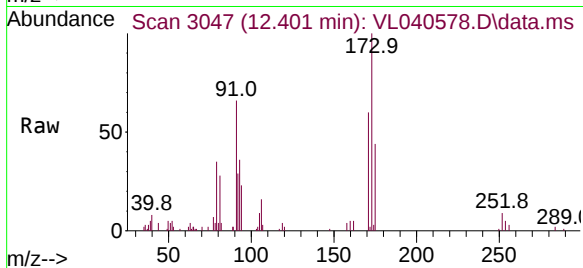
MDL-AIR-03-QT3-2023

Tgt Ion:173	Resp:	3738
Ion Ratio	Lower	Upper
173	100	
175	52.7	39.5 59.3
171	61.4	42.2 63.4

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 0.271 ppbv m

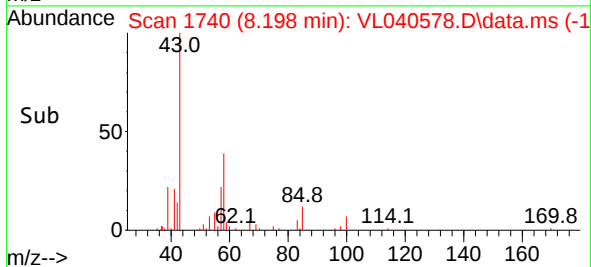
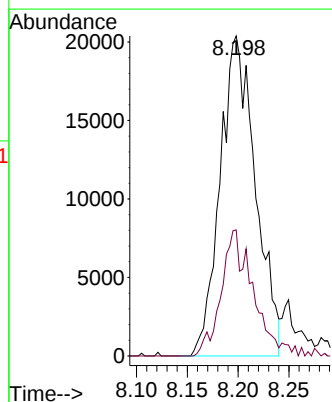
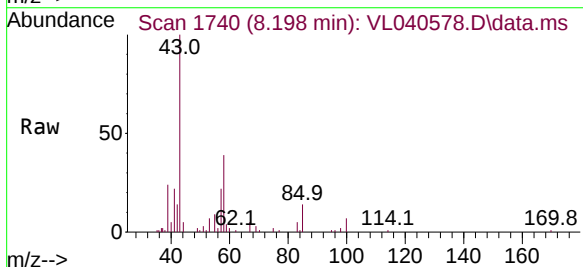
RT: 8.198 min Scan# 1740

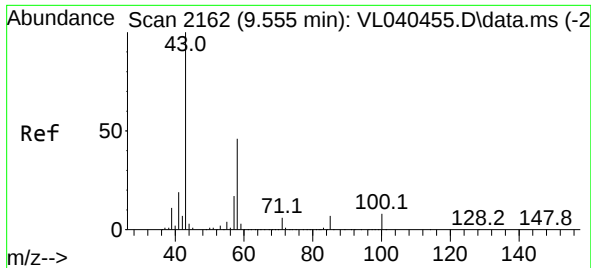
Delta R.T. 0.006 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Tgt Ion: 43	Resp:	49307
Ion Ratio	Lower	Upper
43	100	
58	36.3	30.2 45.2





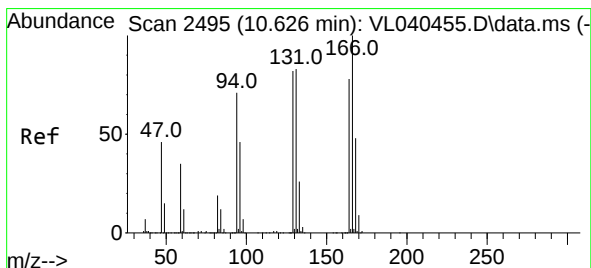
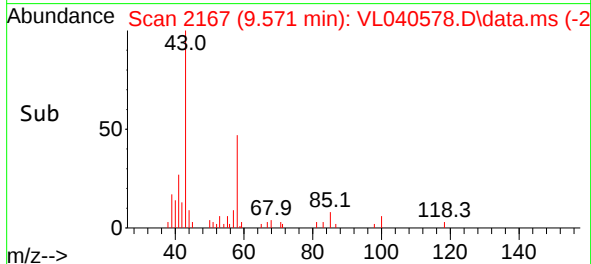
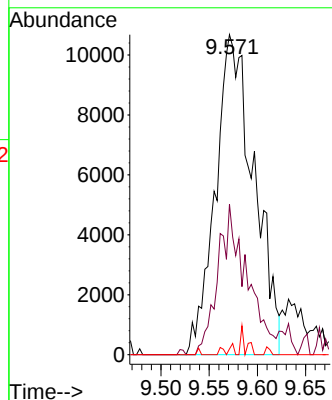
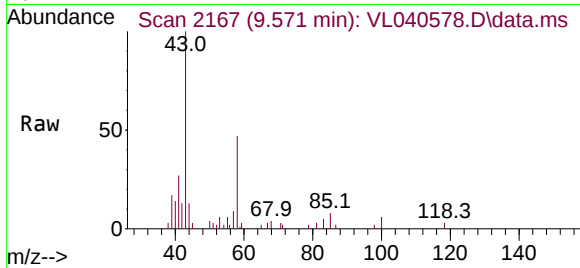
#51
2-Hexanone
Concen: 0.231 ppbv m
RT: 9.571 min Scan# 2167
Delta R.T. 0.010 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 43 Resp: 2968
Ion Ratio Lower Upper
43 100
58 37.9 39.7 59.5
98 0.0 0.3 0.5

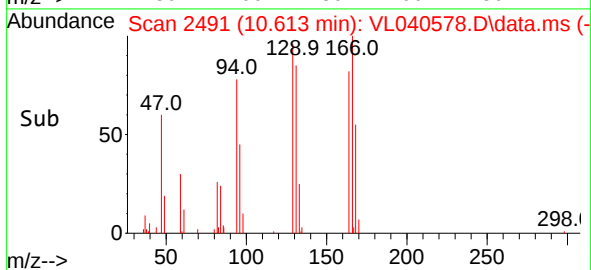
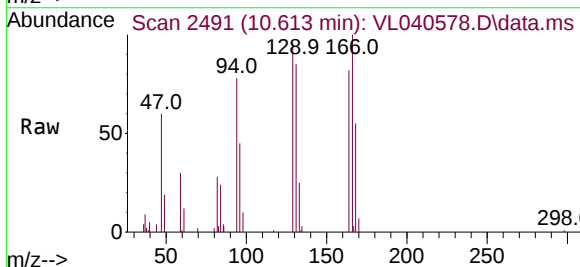
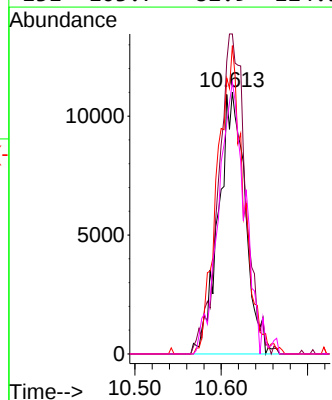
Manual Integrations
APPROVED

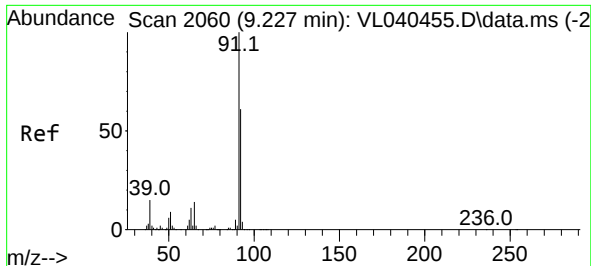
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#52
Tetrachloroethene
Concen: 0.360 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

Tgt Ion:164 Resp: 23727
Ion Ratio Lower Upper
164 100
166 122.2 103.9 155.9
129 117.7 84.6 126.8
131 103.7 82.9 124.3





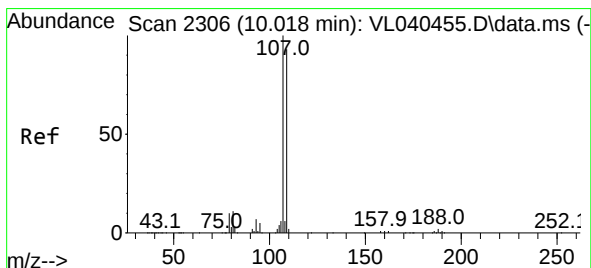
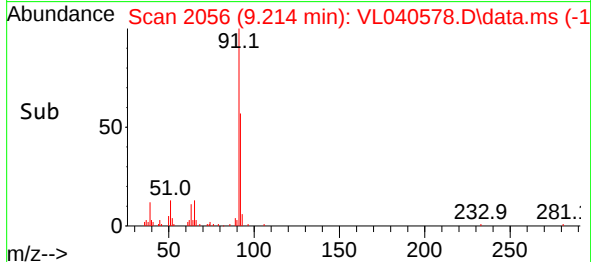
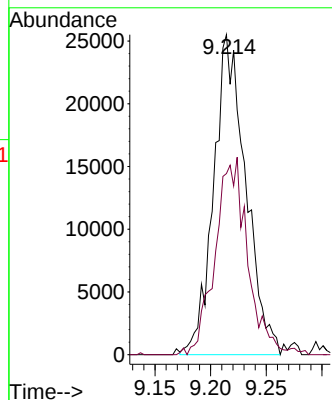
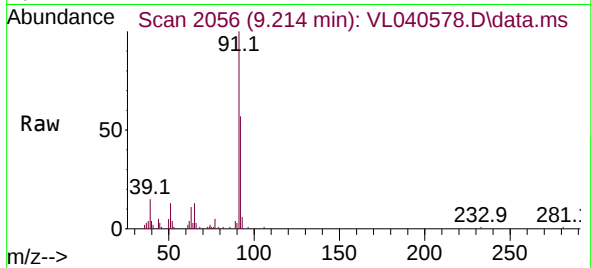
#53
Toluene
Concen: 0.231 ppbv
RT: 9.214 min Scan# 2060
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 91 Resp: 5112
Ion Ratio Lower Upper
91 100
92 62.6 49.1 73.7

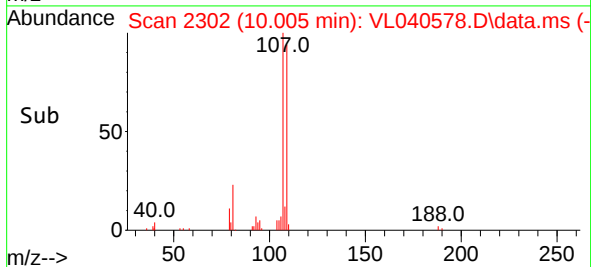
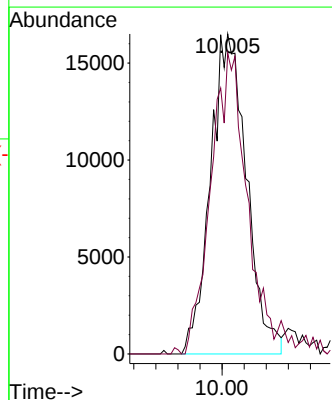
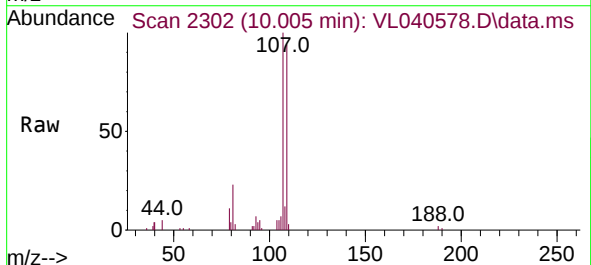
Manual Integrations
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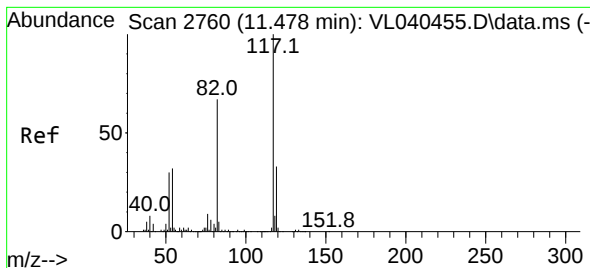
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#54
1,2-Dibromoethane
Concen: 0.348 ppbv m
RT: 10.005 min Scan# 2302
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

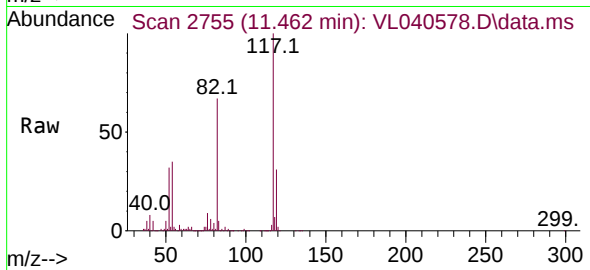
Tgt Ion:107 Resp: 37407
Ion Ratio Lower Upper
107 100
109 94.0 75.4 113.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

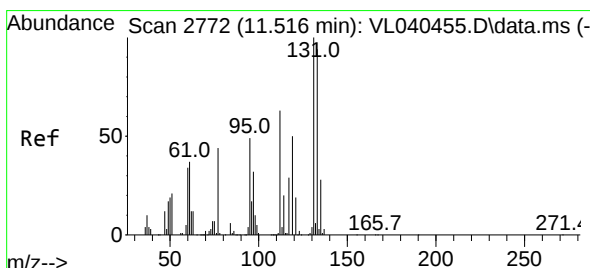
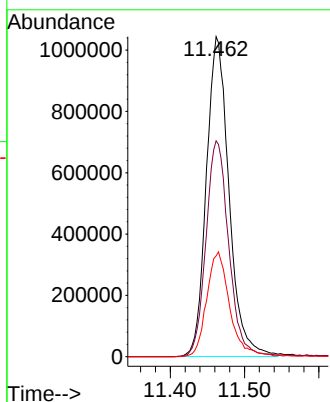
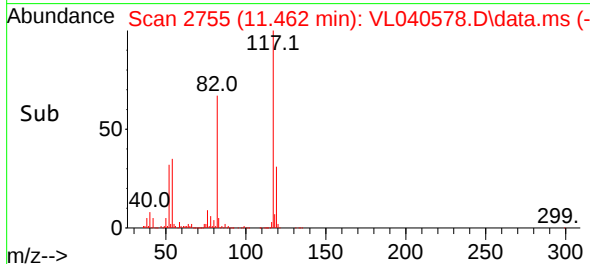
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



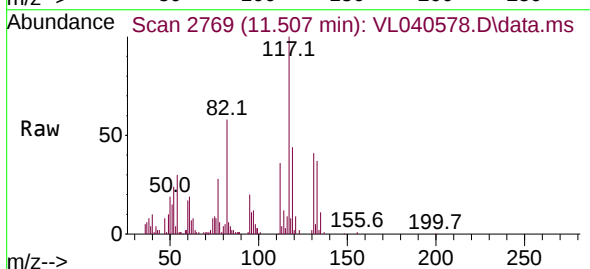
Tgt Ion:117 Resp: 221061
Ion Ratio Lower Upper
117 100
82 68.5 50.2 75.4
119 33.5 26.9 40.3

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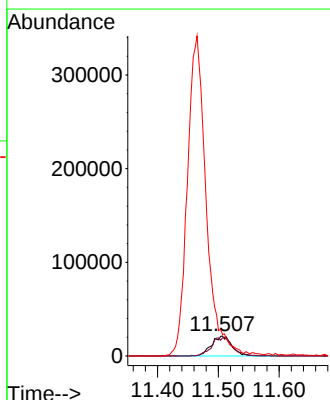
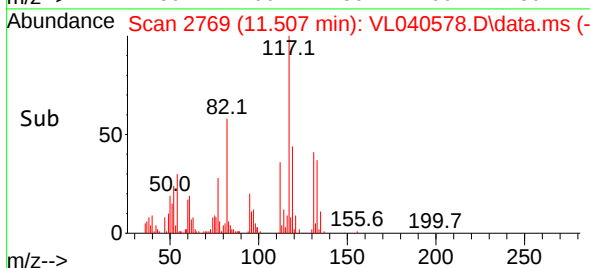
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

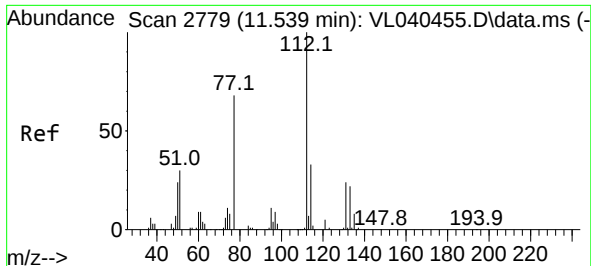


#56
1,1,1,2-Tetrachloroethane
Concen: 0.500 ppbv m
RT: 11.507 min Scan# 2769
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39



Tgt Ion:131 Resp: 49484
Ion Ratio Lower Upper
131 100
133 96.0 76.3 114.5
119 0.0 51.1 76.7#





#57

Chlorobenzene

Concen: 0.436 ppbv m

RT: 11.529 min Scan# 2776

Delta R.T. -0.006 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

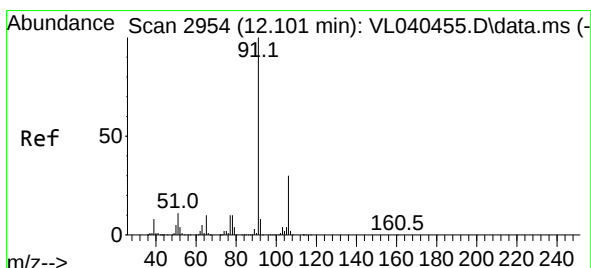
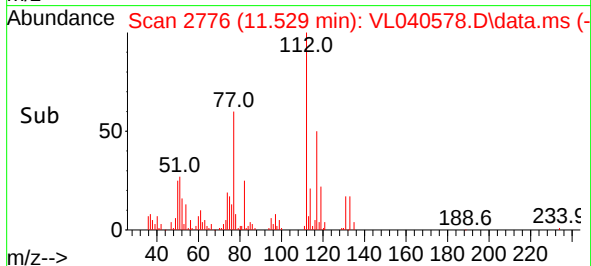
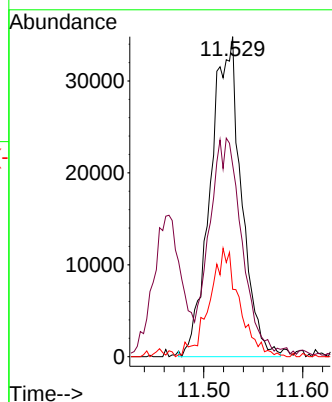
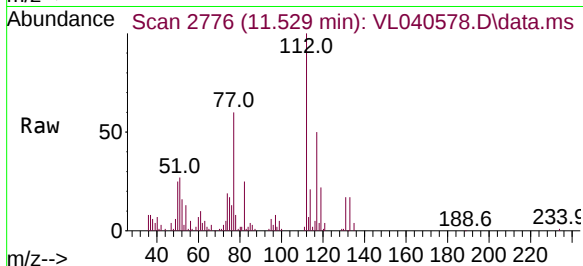
MDL-AIR-03-QT3-2023

Tgt Ion:	112	Resp:	7515
Ion Ratio	Lower	Upper	
112	100		
77	59.9	51.0	76.6
114	21.0	28.3	34.5

Manual Integrations

APPROVED

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



#58

Ethyl Benzene

Concen: 0.239 ppbv

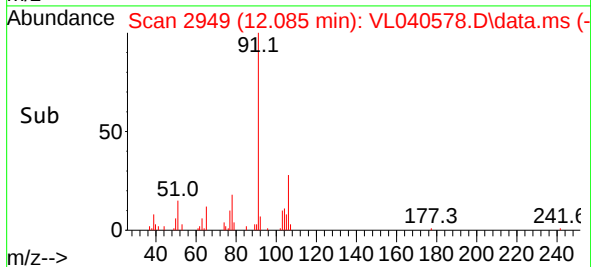
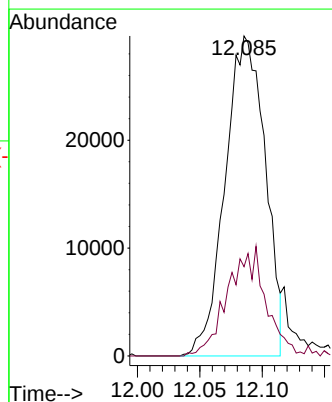
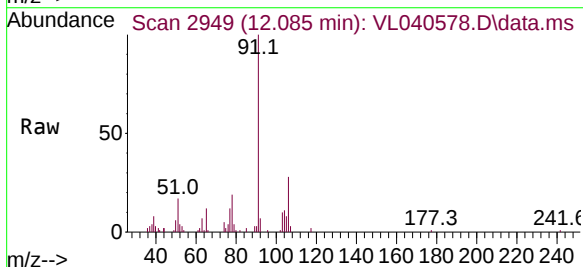
RT: 12.085 min Scan# 2949

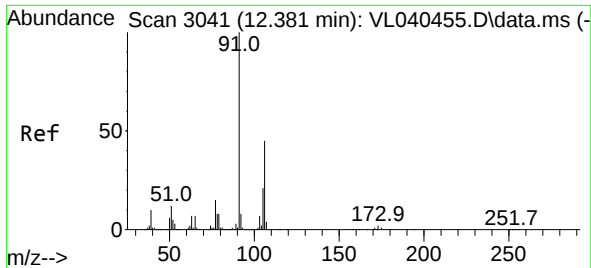
Delta R.T. -0.016 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Tgt Ion:	91	Resp:	66262
Ion Ratio	Lower	Upper	
91	100		
106	27.9	25.4	38.0





#59

m/p-Xylene

Concen: 0.637 ppbv m

RT: 12.375 min Scan# 3041

Delta R.T. -0.010 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion: 91 Resp: 15783

Ion Ratio Lower Upper

91 100

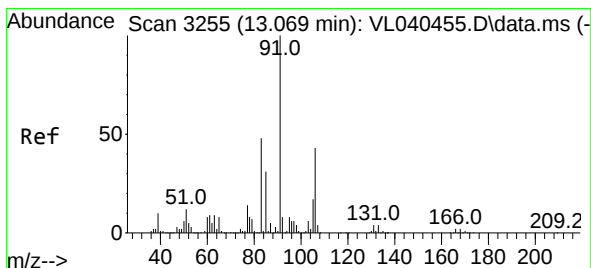
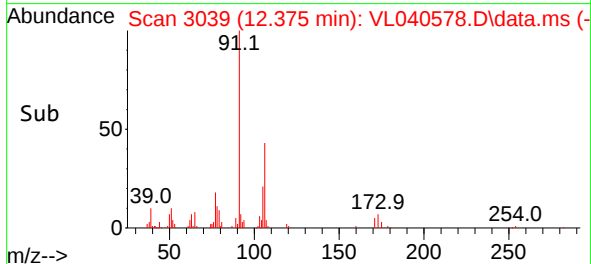
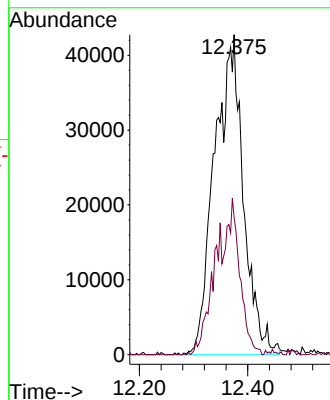
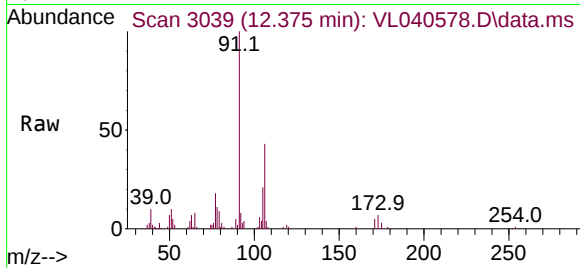
106 0.0 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#60

o-Xylene

Concen: 0.288 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.016 min

Lab File: VL040578.D

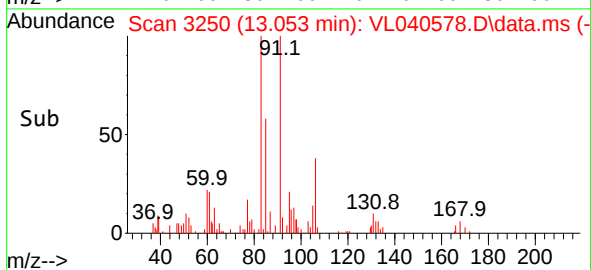
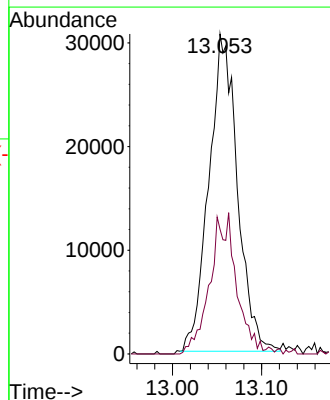
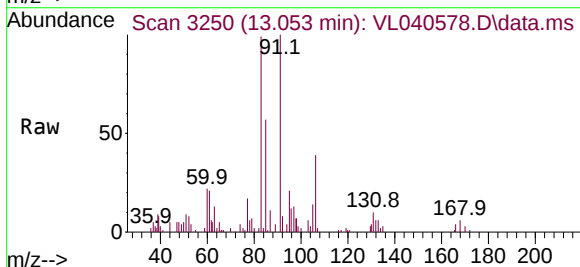
Acq: 31 Jul 2023 18:39

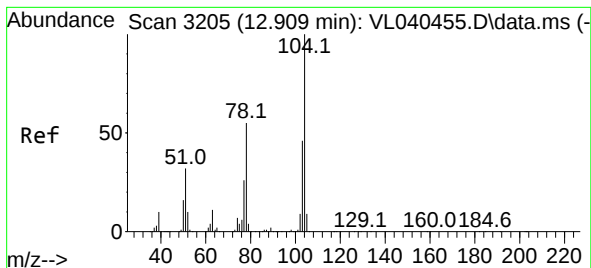
Tgt Ion: 91 Resp: 68029

Ion Ratio Lower Upper

91 100

106 42.1 22.7 68.0





#61

Styrene

Concen: 0.205 ppbv m

RT: 12.899 min Scan# 31

Delta R.T. -0.013 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

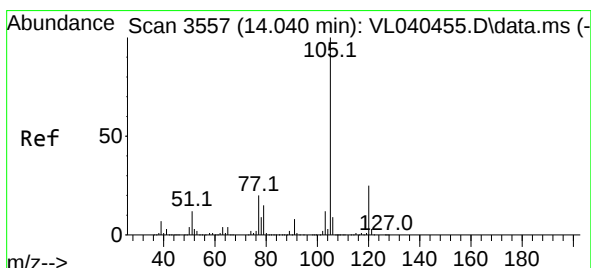
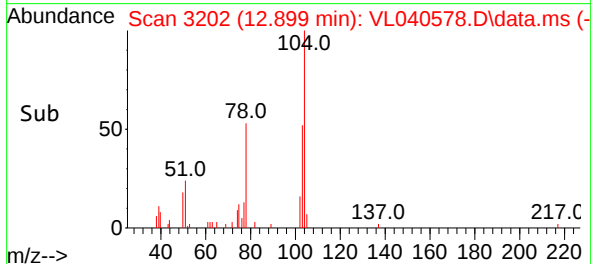
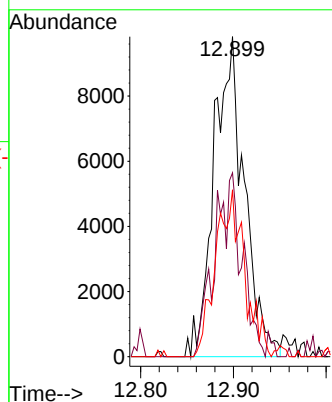
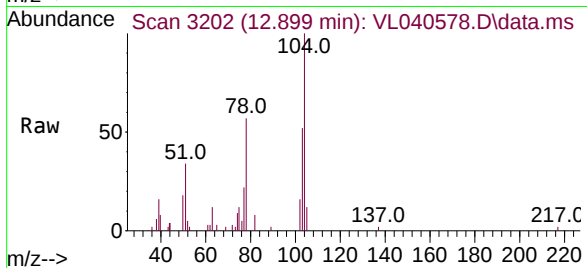
MDL-AIR-03-QT3-2023

Tgt Ion:	104	Resp:	2232
Ion Ratio	Lower	Upper	
104	100		
78	53.4	40.1	60.1
103	50.5	37.0	55.4

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 0.333 ppbv

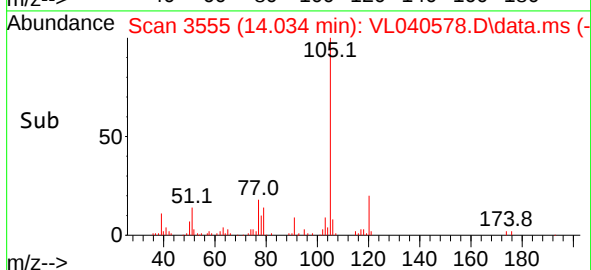
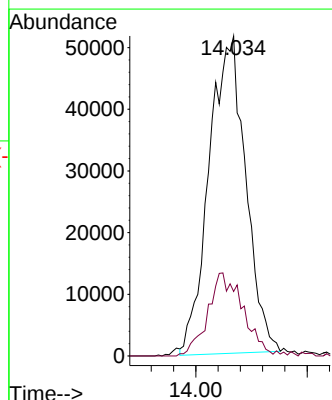
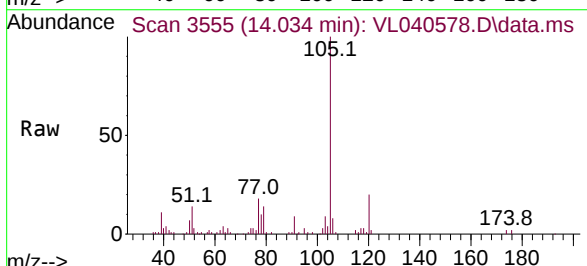
RT: 14.034 min Scan# 3555

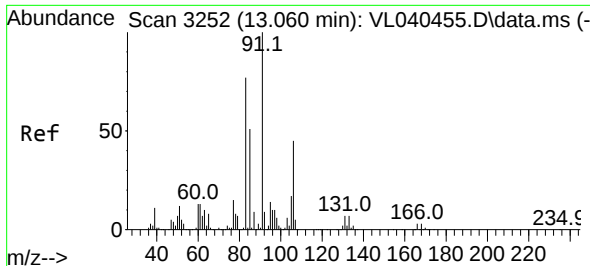
Delta R.T. -0.006 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

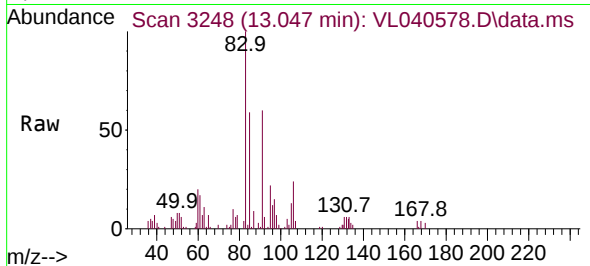
Tgt Ion:	105	Resp:	117622
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.8	31.2





#63
1,1,2,2-Tetrachloroethane
Concen: 0.484 ppbv
RT: 13.047 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

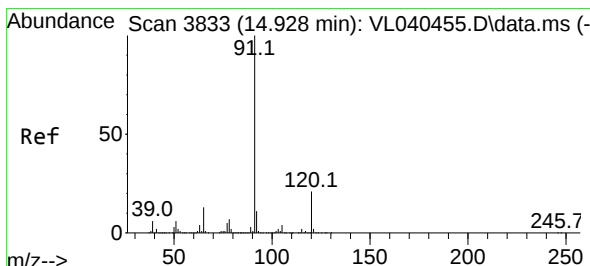
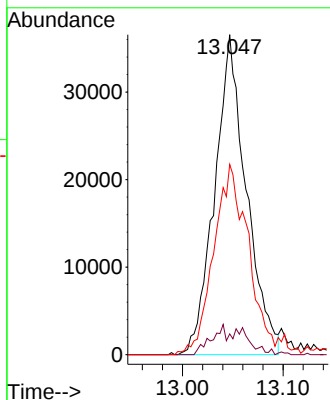
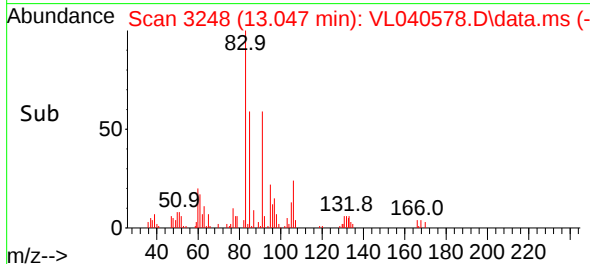
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



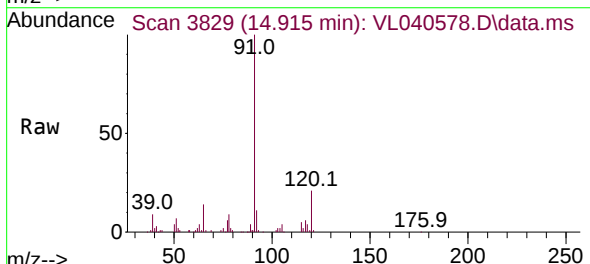
Tgt Ion: 83 Resp: 79978
Ion Ratio Lower Upper
83 100
131 9.5 4.6 13.8
85 66.8 32.8 98.3

Manual Integrations
APPROVED

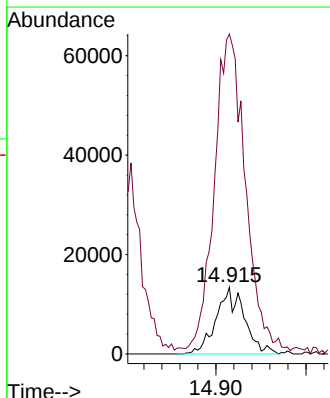
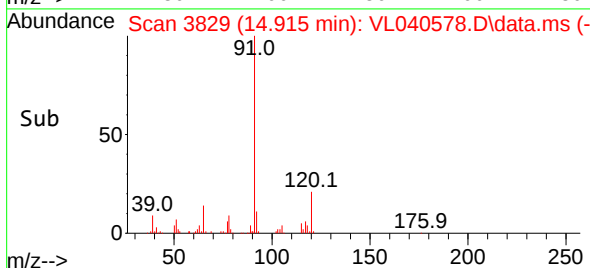
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

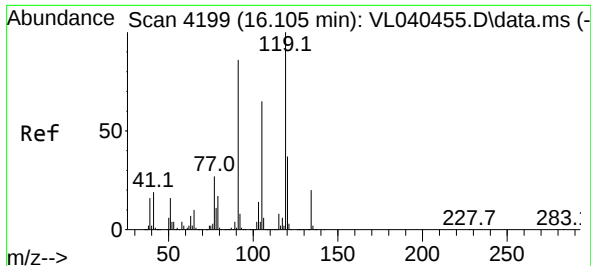


#64
n-propylbenzene
Concen: 0.318 ppbv m
RT: 14.915 min Scan# 3829
Delta R.T. -0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39



Tgt Ion:120 Resp: 29076
Ion Ratio Lower Upper
120 100
91 553.3 374.3 561.5





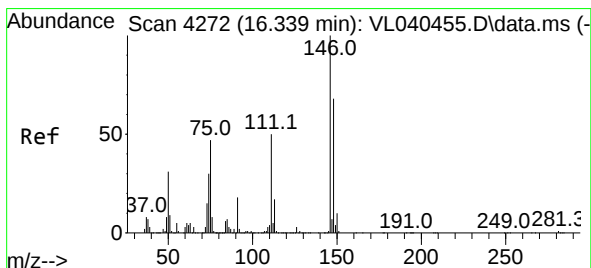
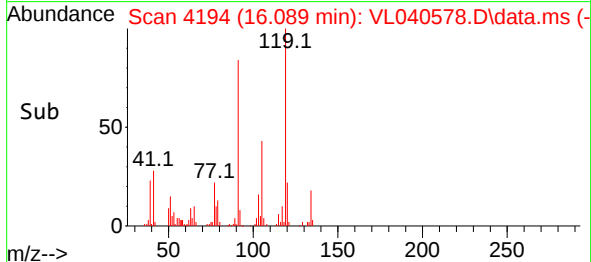
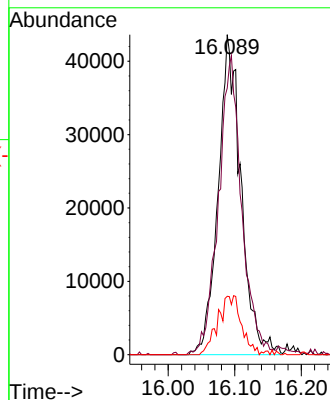
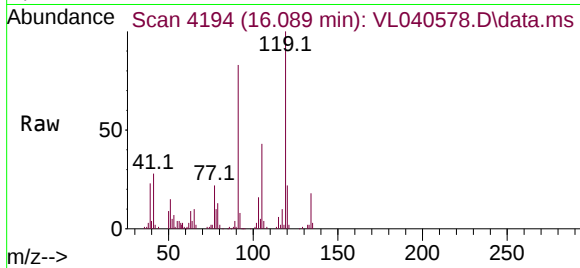
#65
tert-Butylbenzene
Concen: 0.333 ppbv m
RT: 16.089 min Scan# 4199
Delta R.T. -0.013 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 119 Resp: 104109
Ion Ratio Lower Upper
119 100
91 0.0 66.1 99.1#
134 0.0 15.7 23.5#

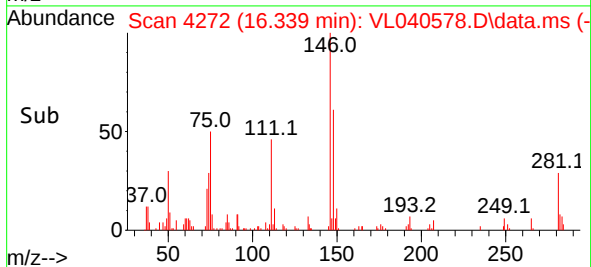
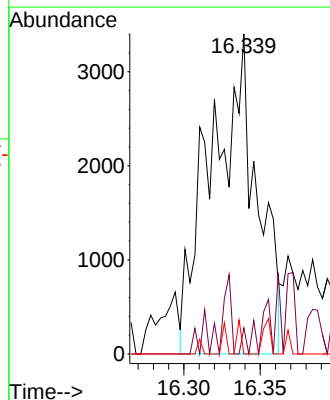
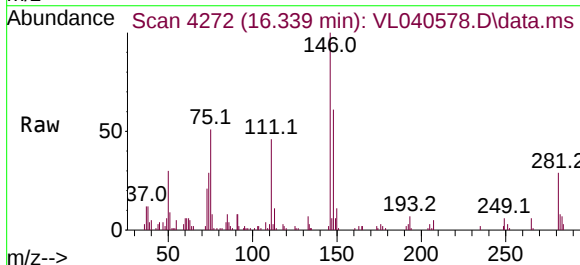
Manual Integrations
APPROVED

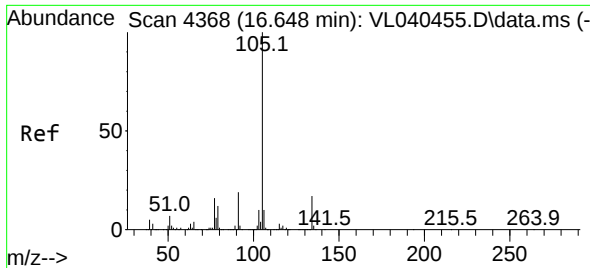
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#66
Benzyl Chloride
Concen: 0.321 ppbv m
RT: 16.339 min Scan# 4272
Delta R.T. 0.003 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

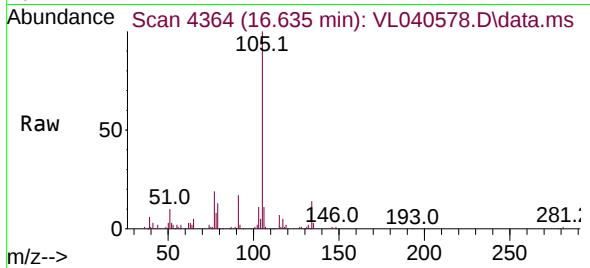
Tgt Ion: 91 Resp: 7114
Ion Ratio Lower Upper
91 100
126 0.9 15.4 23.2#
128 11.3 4.5 6.7#





#67
 sec-Butylbenzene
 Concen: 0.342 ppbv
 RT: 16.635 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

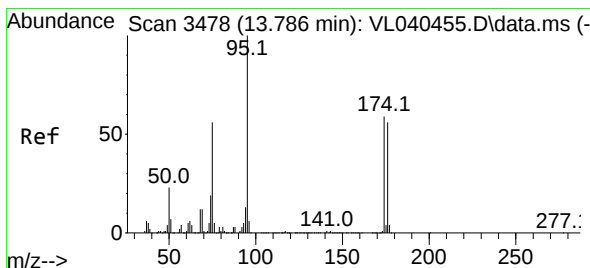
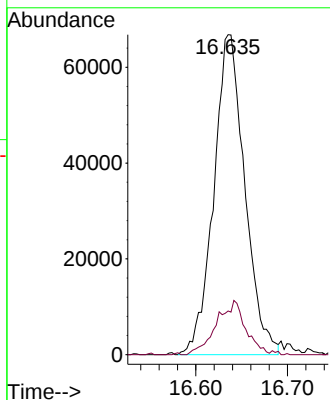
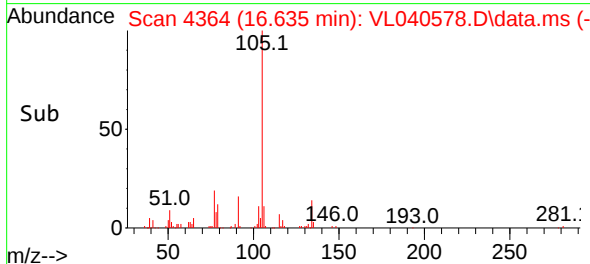
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion:105 Resp: 15721
 Ion Ratio Lower Upper
 105 100
 134 16.2 14.4 21.6

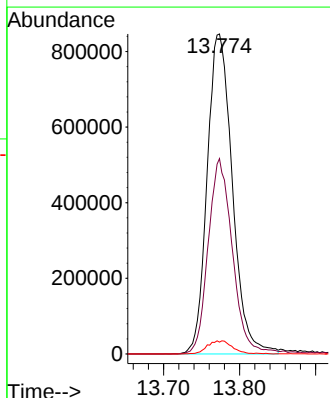
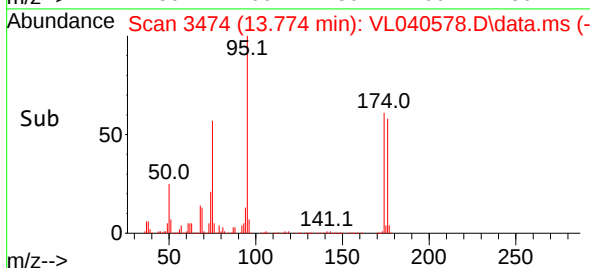
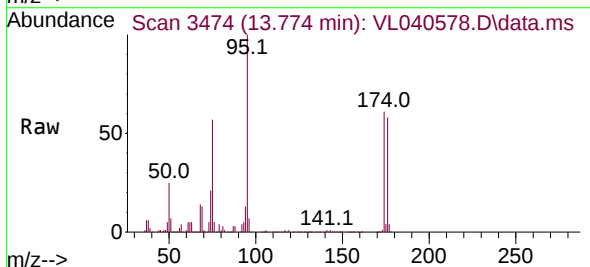
Manual Integrations
 APPROVED

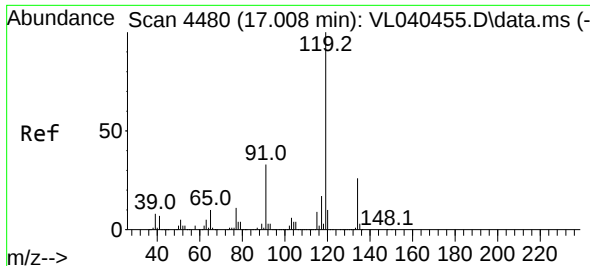
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.141 ppbv
 RT: 13.774 min Scan# 3474
 Delta R.T. -0.010 min
 Lab File: VL040578.D
 Acq: 31 Jul 2023 18:39

Tgt Ion: 95 Resp: 1949121
 Ion Ratio Lower Upper
 95 100
 174 59.1 50.6 75.8
 175 4.2 3.7 5.5





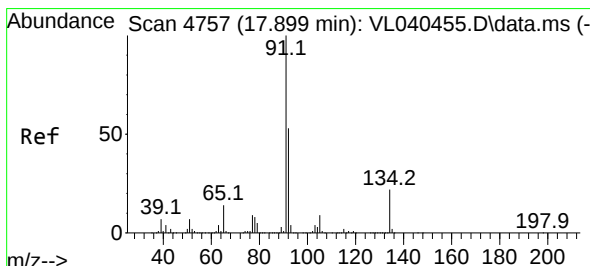
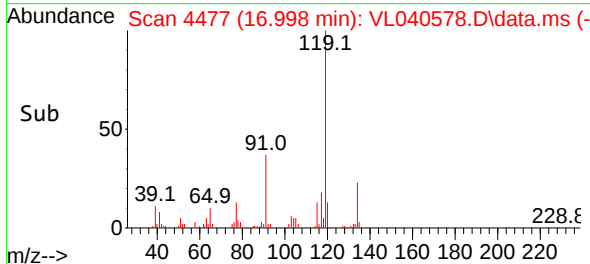
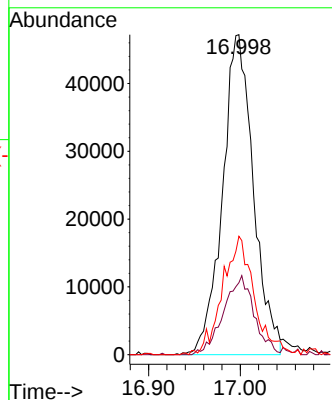
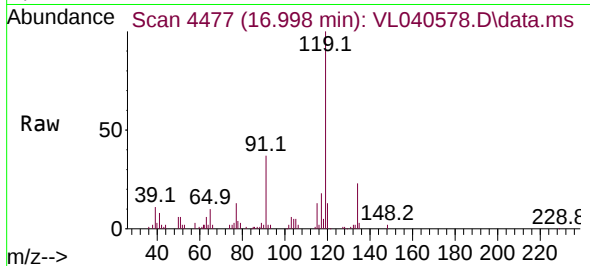
#69
p-Isopropyltoluene
Concen: 0.291 ppbv
RT: 16.998 min Scan# 4480
Delta R.T. -0.006 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

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

Tgt Ion: 119 Resp: 110417
Ion Ratio Lower Upper
119 100
134 25.0 20.5 30.7
91 37.8 23.8 35.8

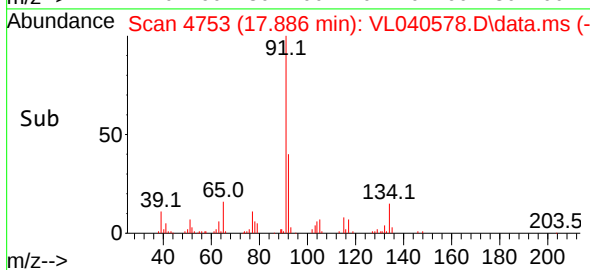
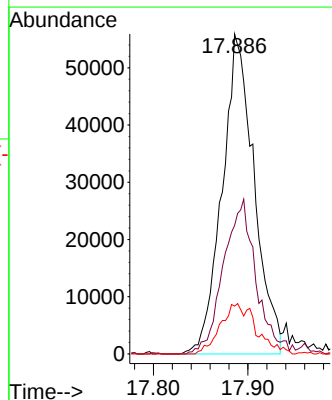
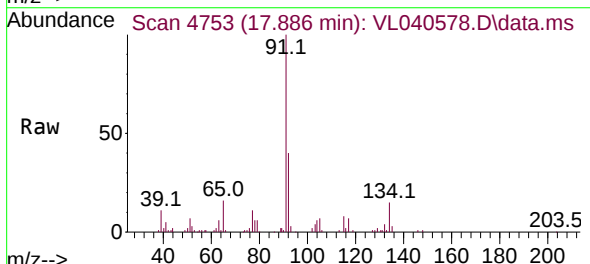
Manual Integrations
APPROVED

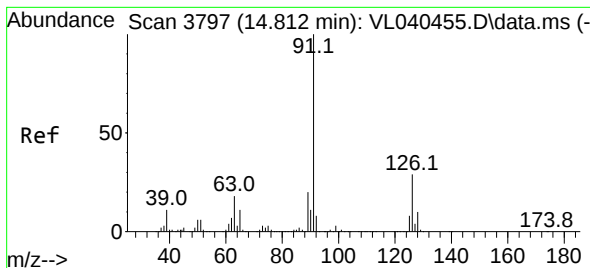
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#70
n-Butylbenzene
Concen: 0.310 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. -0.010 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

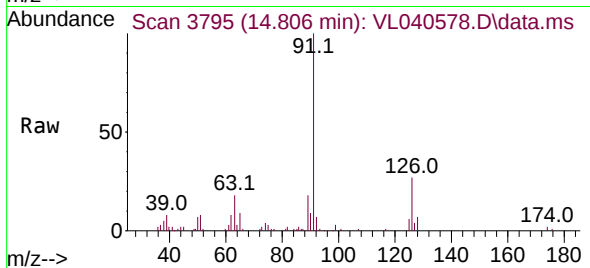
Tgt Ion: 91 Resp: 131352
Ion Ratio Lower Upper
91 100
92 50.5 43.4 65.0
134 17.8 18.1 27.1





#71
2-Chlorotoluene
Concen: 0.312 ppbv m
RT: 14.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

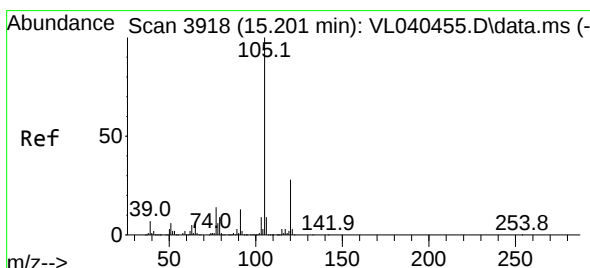
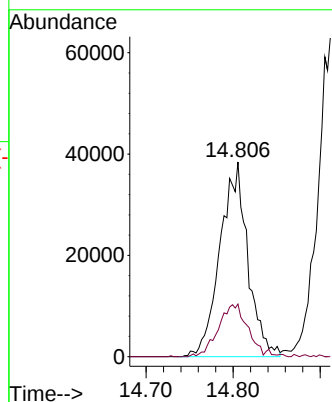
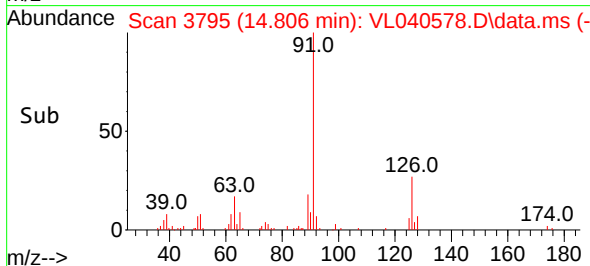
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



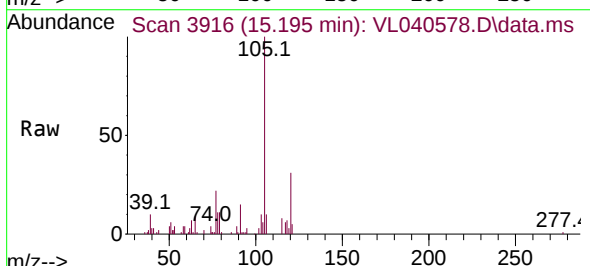
Tgt Ion: 91 Resp: 84919
Ion Ratio Lower Upper
91 100
126 0.0 12.4 49.8

Manual Integrations
APPROVED

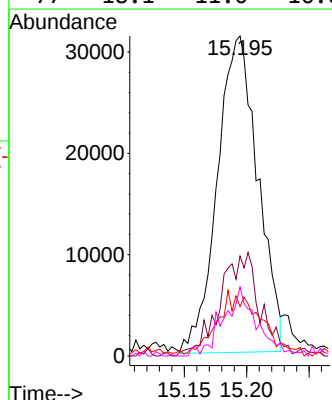
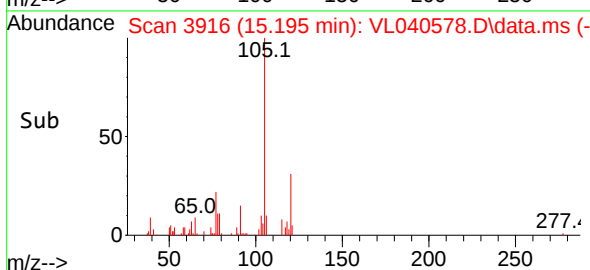
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

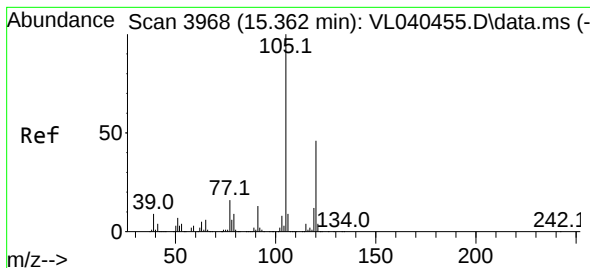


#72
4-Ethyltoluene
Concen: 0.256 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. -0.010 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39



Tgt Ion:105 Resp: 70703
Ion Ratio Lower Upper
105 100
120 33.5 24.6 37.0
91 23.5 10.7 16.1#
77 18.1 11.0 16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.319 ppbv m

RT: 15.355 min Scan# 3966

Delta R.T. -0.006 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:105 Resp: 77719

Ion Ratio Lower Upper

105 100

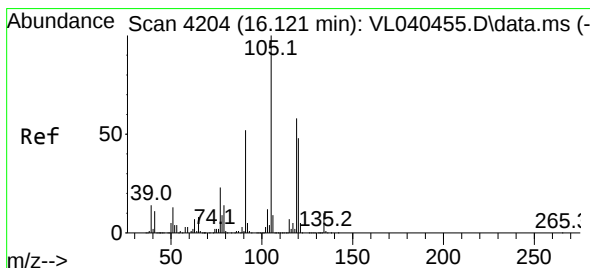
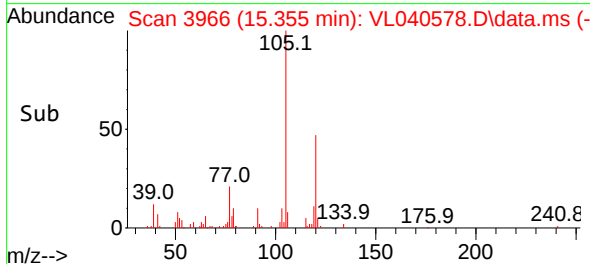
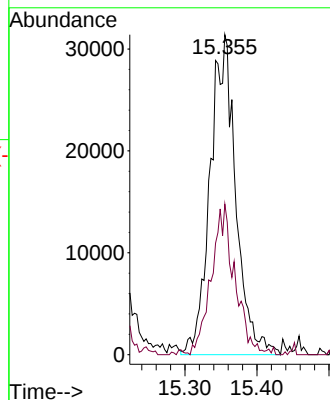
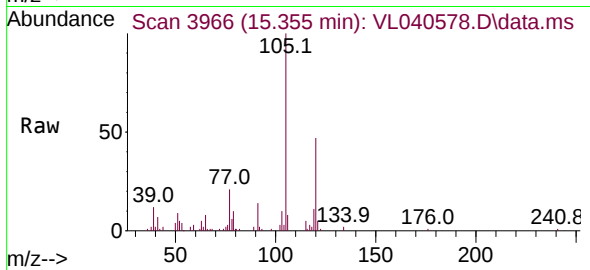
120 47.0 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.346 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. -0.010 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Tgt Ion:105 Resp: 98263

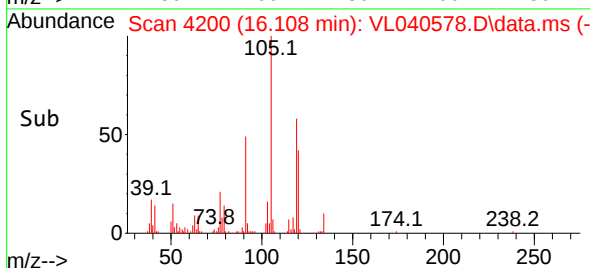
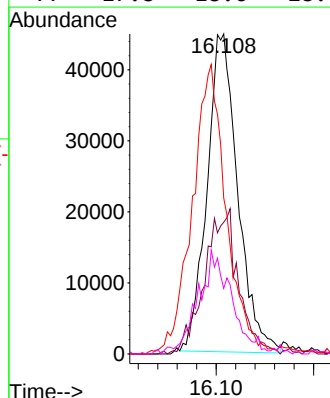
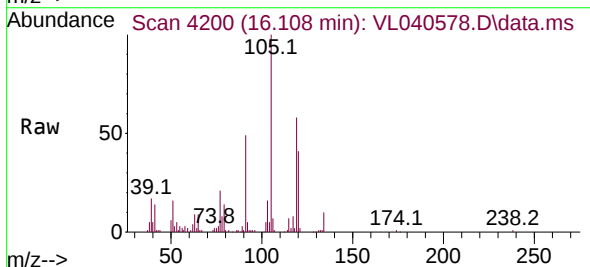
Ion Ratio Lower Upper

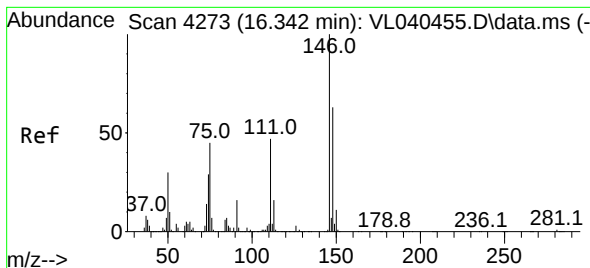
105 100

120 41.1 40.3 60.5

91 46.6 46.8 70.2#

77 17.8 18.6 28.0#





#75

1,3-Dichlorobenzene

Concen: 0.386 ppbv m

RT: 16.330 min Scan# 4312

Delta R.T. -0.013 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

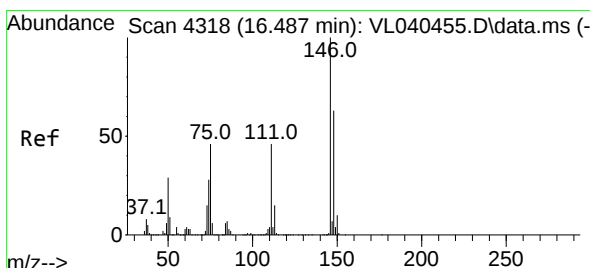
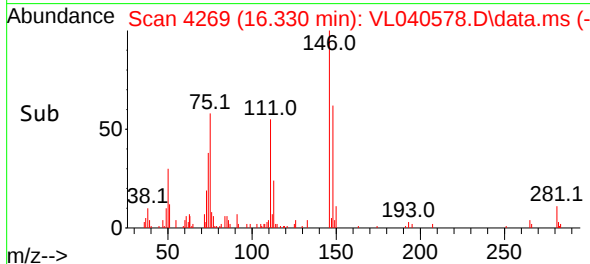
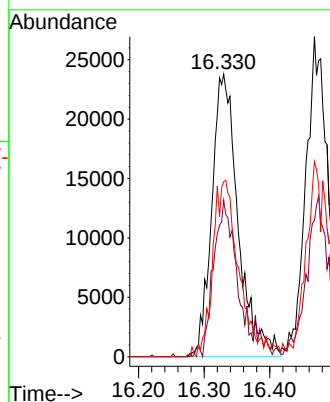
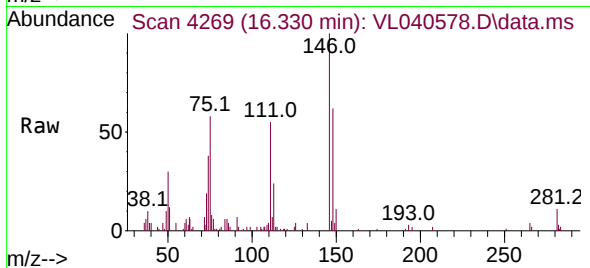
MDL-AIR-03-QT3-2023

Tgt Ion:146	Resp:	66424
Ion Ratio	Lower	Upper
146	100	
111	52.6	23.6 71.0
148	61.1	32.2 96.6

Manual Integrations

APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 0.408 ppbv m

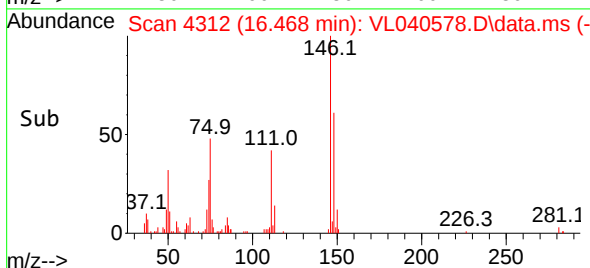
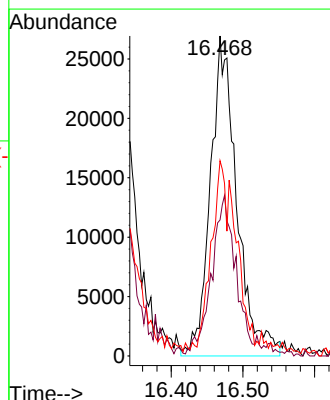
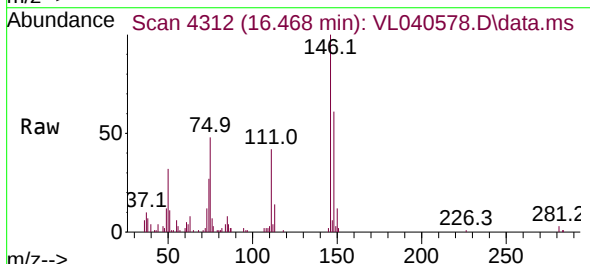
RT: 16.468 min Scan# 4312

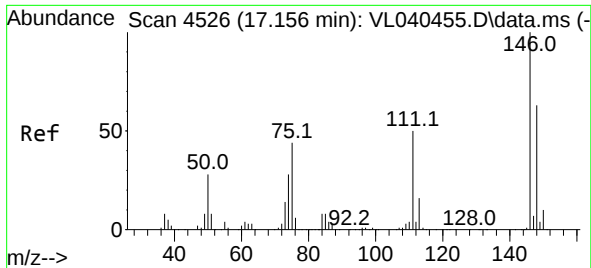
Delta R.T. -0.019 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

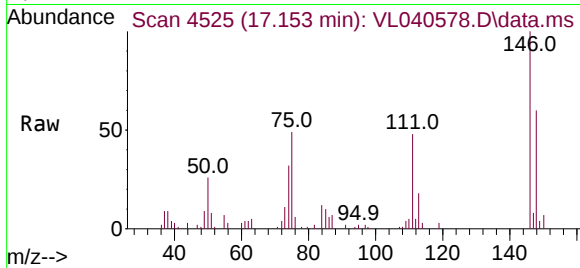
Tgt Ion:146	Resp:	68866
Ion Ratio	Lower	Upper
146	100	
111	0.0	22.8 68.3#
148	63.2	32.6 97.8





#77
1,2-Dichlorobenzene
Concen: 0.398 ppbv m
RT: 17.153 min Scan# 4525
Delta R.T. 0.000 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

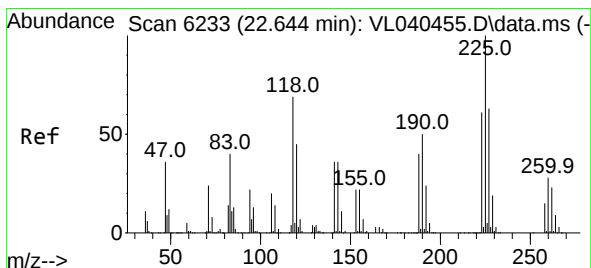
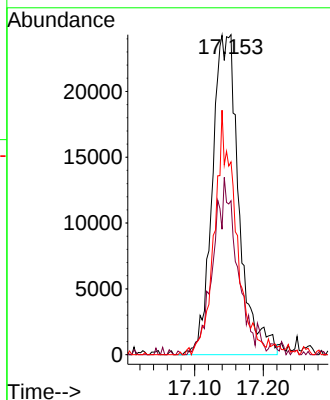
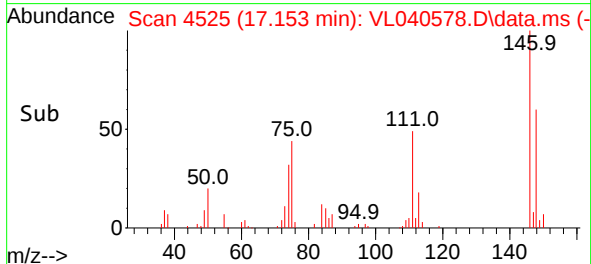
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



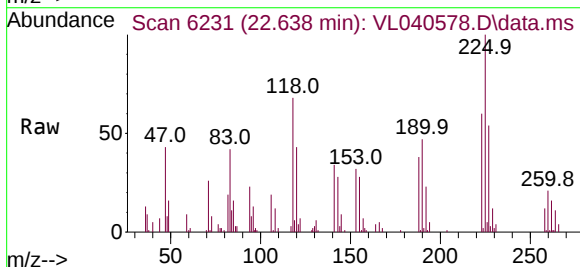
Tgt Ion:146 Resp: 6555
Ion Ratio Lower Upper
146 100
111 51.0 24.3 72.8
148 64.2 32.1 96.3

Manual Integrations
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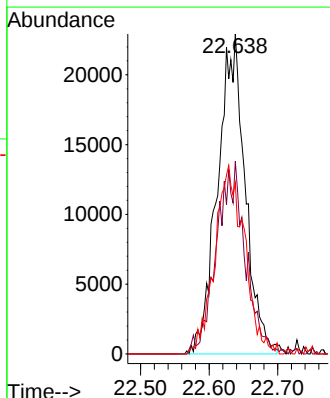
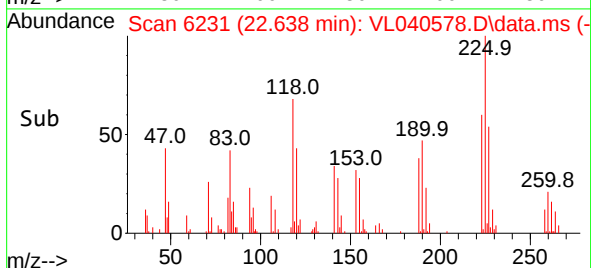
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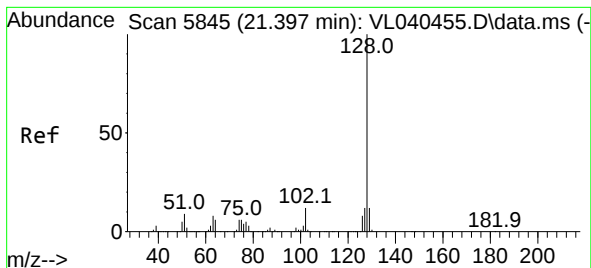


#78
Hexachloro-1,3-Butadiene
Concen: 0.413 ppbv m
RT: 22.638 min Scan# 6231
Delta R.T. -0.010 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39



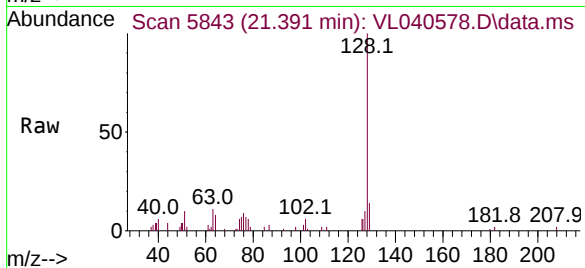
Tgt Ion:225 Resp: 63840
Ion Ratio Lower Upper
225 100
223 0.0 50.3 75.5#
227 63.4 51.0 76.6





#79
Naphthalene
Concen: 0.220 ppbv m
RT: 21.391 min Scan# 5843
Delta R.T. -0.003 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39

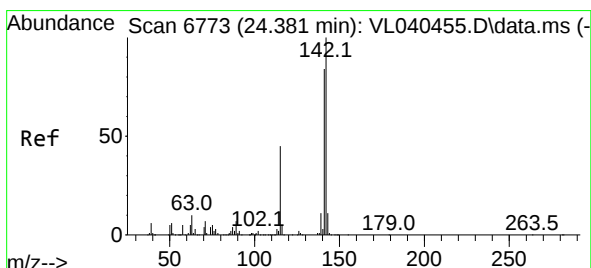
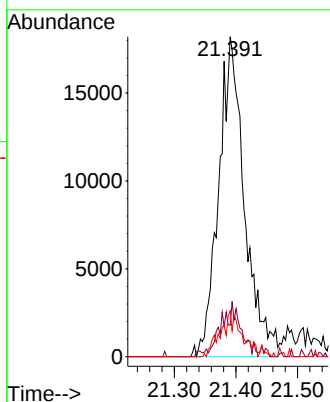
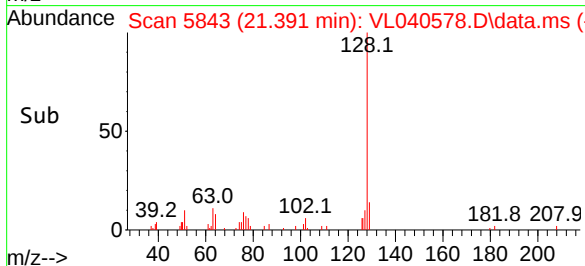
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



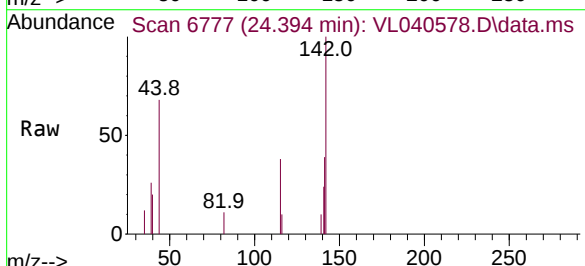
Tgt Ion:128 Resp: 52980
Ion Ratio Lower Upper
128 100
127 9.8 10.7 16.1#
129 14.3 9.2 13.8#

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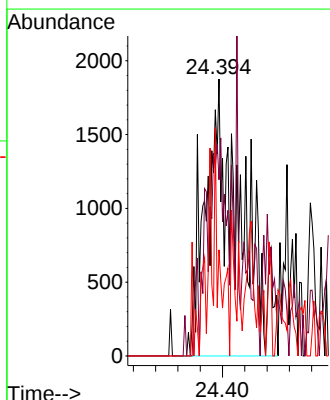
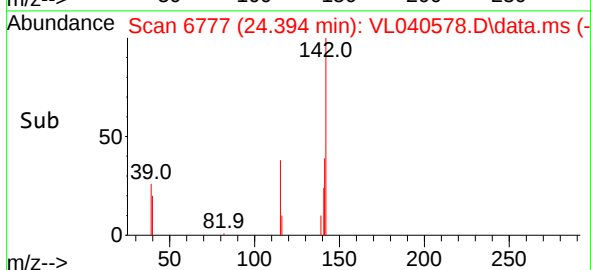
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

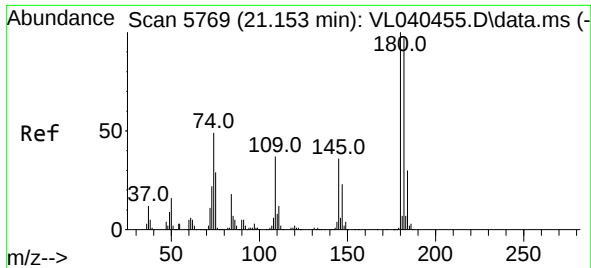


#80
Naphthalene,2-methyl-
Concen: 0.081 ppbv m
RT: 24.394 min Scan# 6777
Delta R.T. 0.016 min
Lab File: VL040578.D
Acq: 31 Jul 2023 18:39



Tgt Ion:142 Resp: 8002
Ion Ratio Lower Upper
142 100
141 0.0 66.7 100.1#
115 12.2 33.0 49.6#





#81

1,2,4-Trichlorobenzene

Concen: 0.263 ppbv m

RT: 21.143 min Scan# 5

Delta R.T. -0.006 min

Lab File: VL040578.D

Acq: 31 Jul 2023 18:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:180 Resp: 43512

Ion Ratio Lower Upper

180 100

182 0.0 77.5 116.3

184 0.0 24.5 36.7

Manual Integrations

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