

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041253.D
 Acq On : 9 May 2024 11:28
 Operator : SY/MD
 Sample : P2403-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024

Quant Time: May 10 01:25:25 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Fri May 10 01:23:08 2024

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

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

Internal Standards						
1) Bromochloromethane	5.208	49	752281	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2045422	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	1886193	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1463725	10.279	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	72124	0.709	ppbv	98
3) Chlorodifluoromethane	2.694	51	61346	0.537	ppbv	95
4) Chloromethane	2.832	50	23221	0.518	ppbv	99
5) Vinyl Chloride	2.935	62	22610	0.502	ppbv	93
6) Bromomethane	3.140	94	9192	0.559	ppbv	88
7) Chloroethane	3.211	64	8322	0.523	ppbv #	85
8) Dichlorotetrafluoroethane	2.874	85	56178	0.533	ppbv	95
9) Propene	2.713	41	21366	0.478	ppbv	94
10) Heptane	7.597	43	48672m	0.449	ppbv	
11) Trichlorofluoromethane	3.581	101	56996	0.551	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.079	101	43789m	0.573	ppbv	
13) Ethanol	3.279	45	4595m	0.458	ppbv	
14) Bromoethene	3.382	108	15148	0.480	ppbv #	90
15) Acetone	3.504	43	55018	0.620	ppbv	98
16) 1,3-Butadiene	3.002	39	22338	0.498	ppbv	97
17) tert-Butyl alcohol	3.909	59	39955m	0.417	ppbv	
18) 1,1-Dichloroethene	3.893	96	16825m	0.493	ppbv	
19) Isopropyl Alcohol	3.610	45	25816m	0.443	ppbv	
20) Methylene Chloride	3.951	84	18634m	0.604	ppbv	
21) Allyl Chloride	4.015	41	28206	0.487	ppbv	90
22) trans-1,2-Dichloroethene	4.462	96	19241m	0.543	ppbv	
23) Vinyl Acetate	4.648	43	39227m	0.401	ppbv	
24) 1,1-Dichloroethane	4.574	63	38181	0.502	ppbv #	97
25) Ethyl Acetate	5.230	43	82564	0.466	ppbv #	97
26) Hexane	5.230	57	36471	0.461	ppbv	97
27) Carbon Disulfide	4.140	76	42317	0.452	ppbv #	90
28) Methyl tert-Butyl Ether	4.610	73	29014m	0.461	ppbv	
29) Chloroform	5.292	83	62206m	0.570	ppbv	
30) Cyclohexane	6.626	84	34858m	0.557	ppbv	
31) cis-1,2-Dichloroethene	5.099	61	36333m	0.491	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	56268	0.517	ppbv	96
34) 2-Butanone	4.816	43	52686m	0.506	ppbv	
35) Carbon Tetrachloride	6.507	117	55837	0.486	ppbv	96
36) Benzene	6.385	78	79335m	0.462	ppbv	
37) 1,2-Dichloroethane	5.822	62	42318	0.473	ppbv #	94
38) Trichloroethene	7.304	130	30807	0.482	ppbv	90
39) 1,2-Dichloropropane	7.082	63	30747	0.465	ppbv	94
40) 1,4-Dioxane	7.346	88	9601m	0.406	ppbv	
41) Tetrahydrofuran	5.600	42	32056m	0.425	ppbv	
42) Bromodichloromethane	7.266	83	60129	0.468	ppbv	98
43) Methyl Methacrylate	7.494	69	29069	0.419	ppbv	97
44) 2,2,4-Trimethylpentane	7.340	57	130808	0.442	ppbv	97
45) t-1,3-Dichloropropene	8.722	75	17562m	0.349	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024

Quant Time: May 10 01:25:25 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

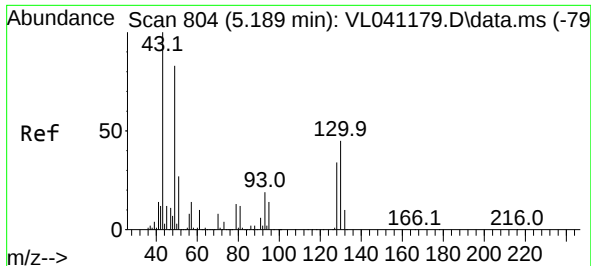
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 10 01:23:08 2024

Response via : Initial Calibration

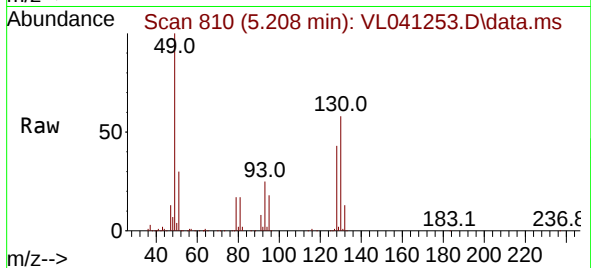
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	24346m	0.395	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	32652m	0.493	ppbv	
48) Dibromochloromethane	9.725	129	47783m	0.453	ppbv	
49) Bromoform	12.420	173	35552	0.396	ppbv	98
50) 4-Methyl-2-Pentanone	8.214	43	76006m	0.407	ppbv	
51) 2-Hexanone	9.590	43	53820m	0.388	ppbv	
52) Tetrachloroethene	10.626	164	28734	0.476	ppbv	89
53) Toluene	9.233	91	83929m	0.422	ppbv	
54) 1,2-Dibromoethane	10.024	107	39065	0.436	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.520	131	37481	0.490	ppbv #	1
57) Chlorobenzene	11.539	112	72022	0.521	ppbv	93
58) Ethyl Benzene	12.105	91	114105	0.441	ppbv	93
59) m/p-Xylene	12.359	91	198635m	0.914	ppbv	
60) o-Xylene	13.069	91	96953	0.476	ppbv	98
61) Styrene	12.918	104	42293m	0.393	ppbv	
62) Isopropylbenzene	14.044	105	144680	0.475	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	72281m	0.520	ppbv	
64) n-propylbenzene	14.925	120	35177	0.463	ppbv	85
65) tert-Butylbenzene	16.108	119	126861	0.465	ppbv	94
66) Benzyl Chloride	16.346	91	6474m	0.210	ppbv	
67) sec-Butylbenzene	16.651	105	180409	0.469	ppbv	98
69) p-Isopropyltoluene	17.011	119	144802m	0.457	ppbv	
70) n-Butylbenzene	17.902	91	143240	0.433	ppbv	100
71) 2-Chlorotoluene	14.812	91	109816	0.473	ppbv	99
72) 4-Ethyltoluene	15.201	105	105411m	0.457	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	98069m	0.470	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	106129m	0.465	ppbv	
75) 1,3-Dichlorobenzene	16.349	146	63419m	0.485	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	59423	0.472	ppbv	91
77) 1,2-Dichlorobenzene	17.159	146	64504m	0.493	ppbv	
78) Hexachloro-1,3-Butadiene	22.645	225	55367m	0.477	ppbv	
79) Naphthalene	21.410	128	65976m	0.304	ppbv	
80) Naphthalene,2-methyl-	24.493	142	11472m	0.131	ppbv	
81) 1,2,4-Trichlorobenzene	21.162	180	38423m	0.335	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

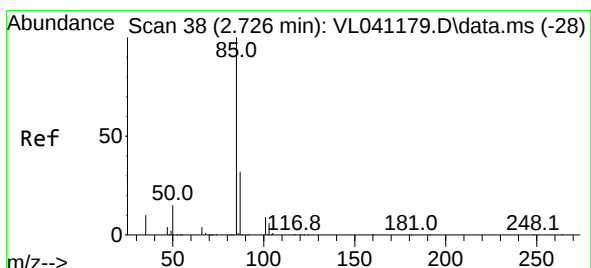
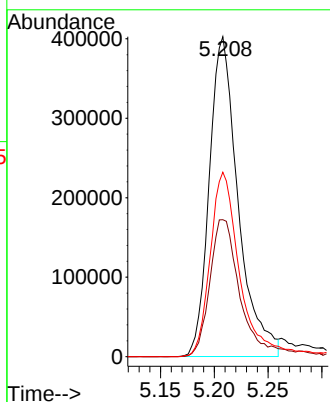
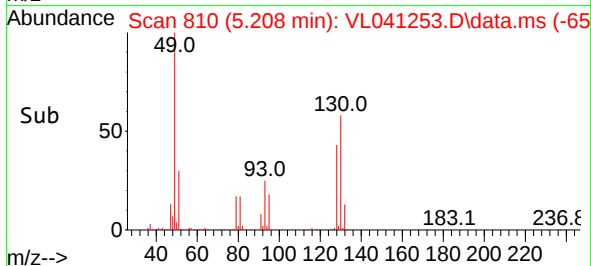
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 49 Resp: 75228
Ion Ratio Lower Upper
49 100
128 46.9 21.5 64.5
130 61.5 27.2 81.6

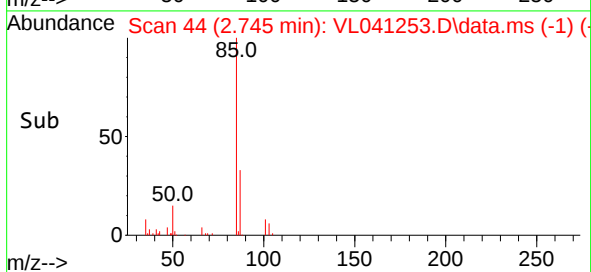
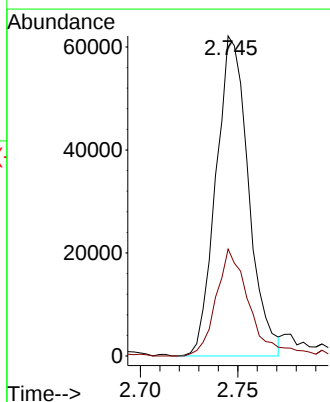
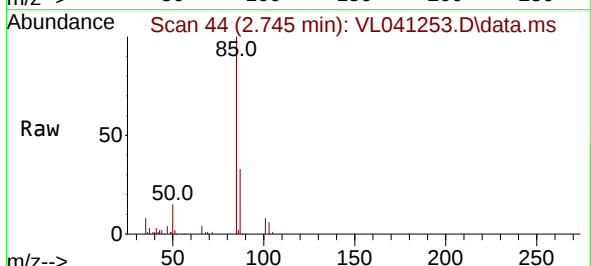
Manual Integrations
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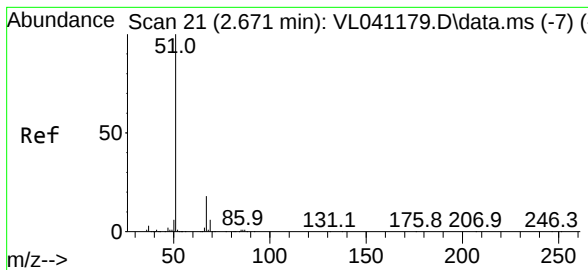
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#2
Dichlorodifluoromethane
Concen: 0.709 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

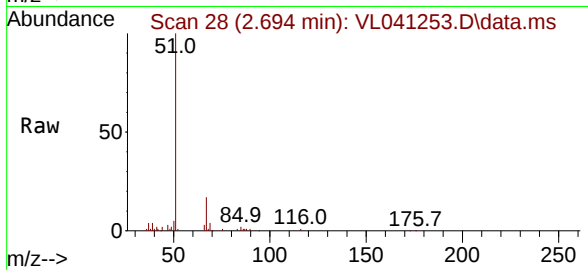
Tgt Ion: 85 Resp: 72124
Ion Ratio Lower Upper
85 100
87 33.4 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.537 ppbv
RT: 2.694 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

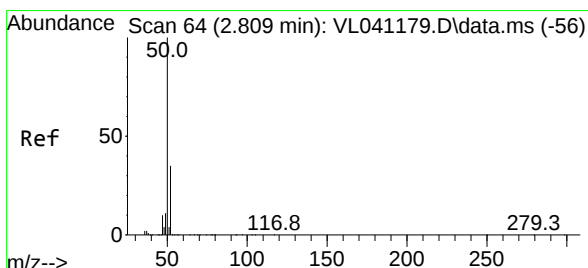
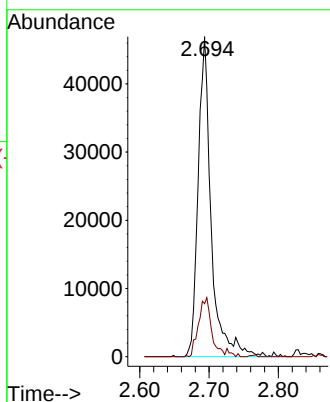
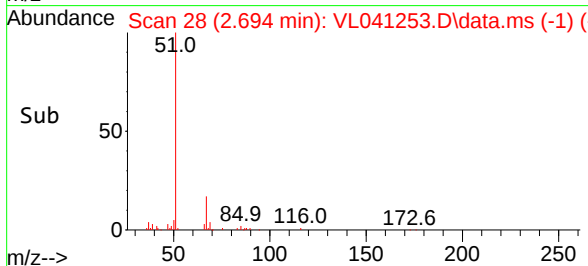
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



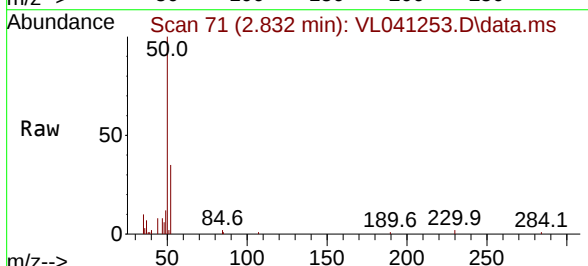
Tgt Ion: 51 Resp: 61340
Ion Ratio Lower Upper
51 100
67 19.5 14.0 21.0

Manual Integrations
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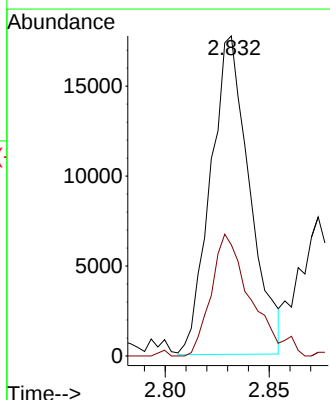
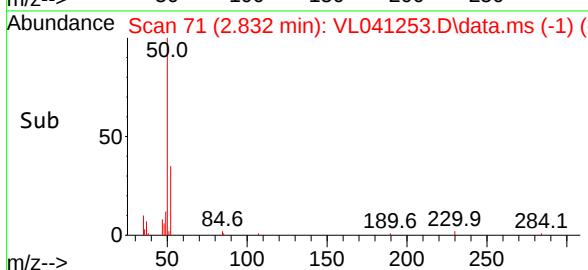
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

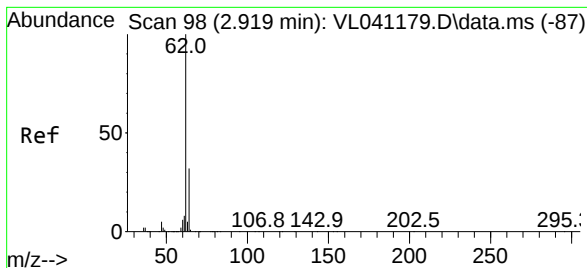


#4
Chloromethane
Concen: 0.518 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28



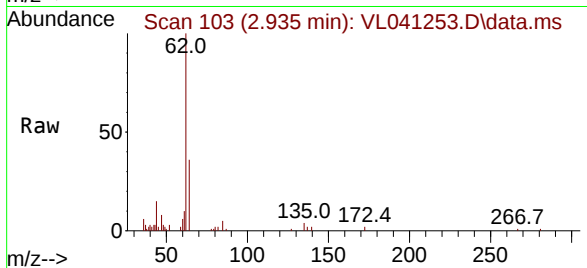
Tgt Ion: 50 Resp: 23221
Ion Ratio Lower Upper
50 100
52 35.1 28.3 42.5





#5
 Vinyl Chloride
 Concen: 0.502 ppbv
 RT: 2.935 min Scan# 103
 Delta R.T. 0.000 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

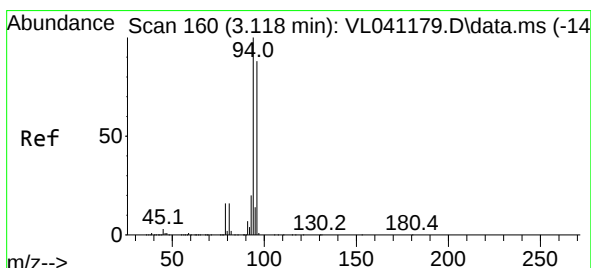
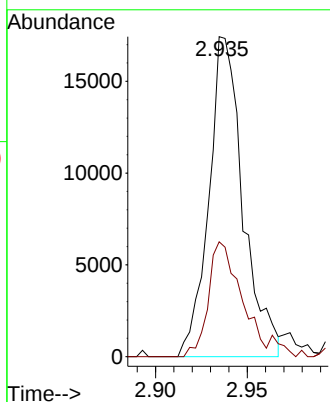
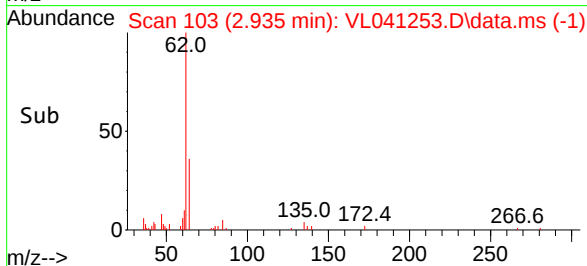
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion: 62 Resp: 22610
 Ion Ratio Lower Upper
 62 100
 64 35.9 25.7 38.5

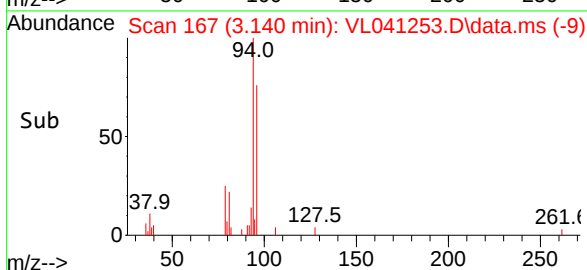
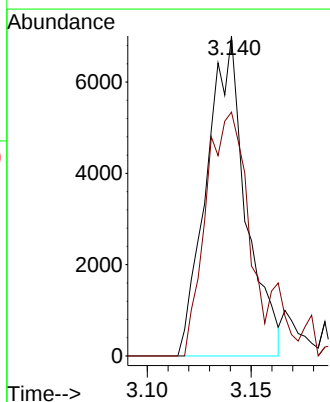
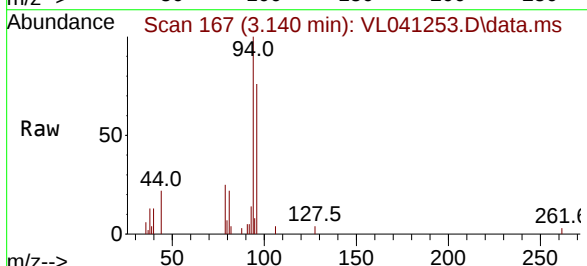
Manual Integrations
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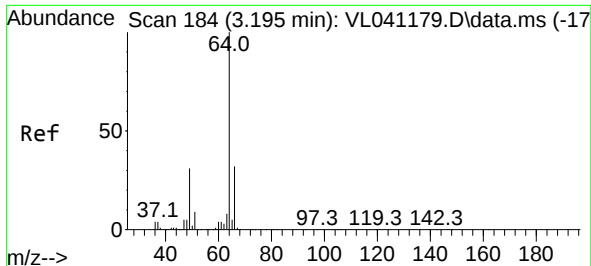
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#6
 Bromomethane
 Concen: 0.559 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. 0.007 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

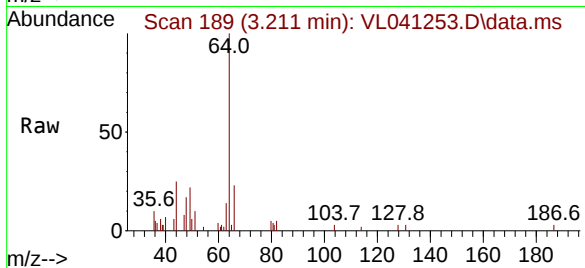
Tgt Ion: 94 Resp: 9192
 Ion Ratio Lower Upper
 94 100
 96 76.2 70.1 105.1





#7
Chloroethane
Concen: 0.523 ppbv
RT: 3.211 min Scan# 189
Delta R.T. -0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

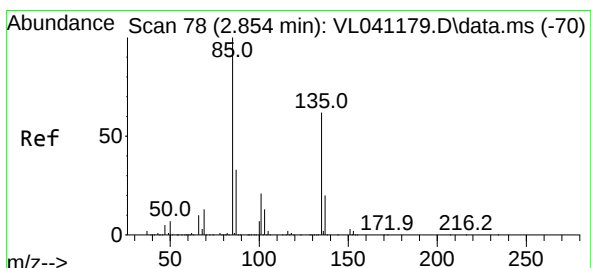
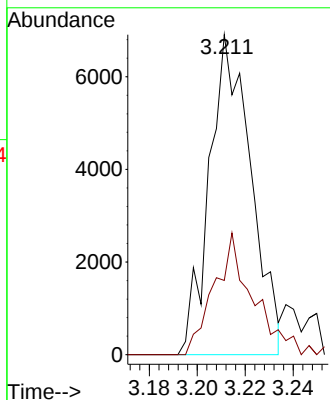
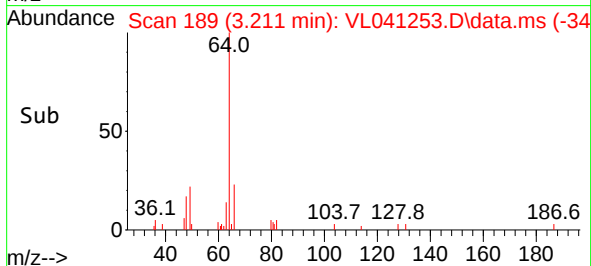
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2024



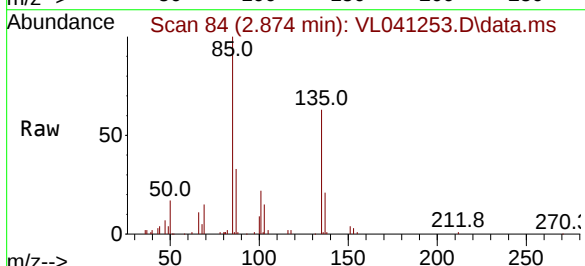
Tgt Ion: 64 Resp: 832
Ion Ratio Lower Upper
64 100
66 23.2 25.4 38.2

Manual Integrations
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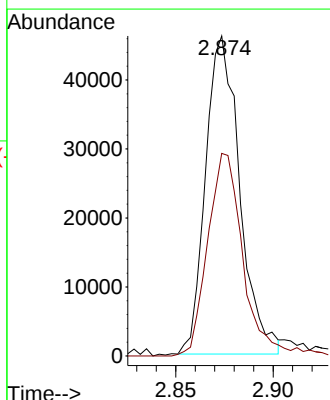
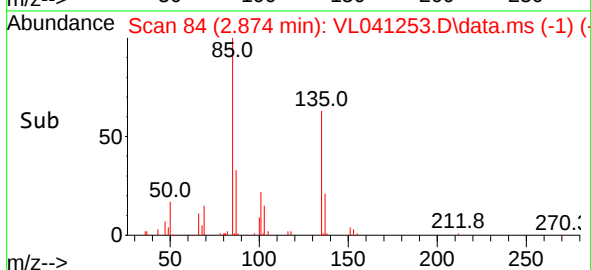
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

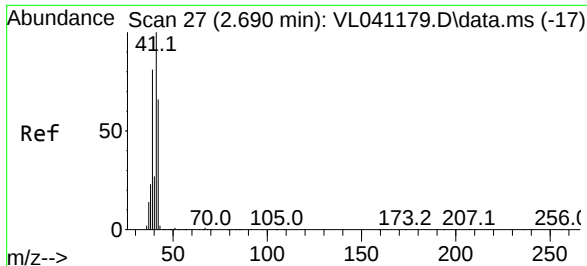


#8
Dichlorotetrafluoroethane
Concen: 0.533 ppbv
RT: 2.874 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28



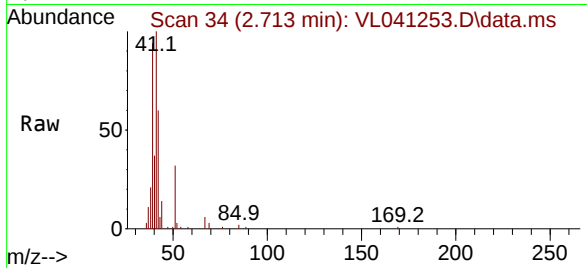
Tgt Ion: 85 Resp: 56178
Ion Ratio Lower Upper
85 100
135 68.3 51.5 77.3





#9
 Propene
 Concen: 0.478 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

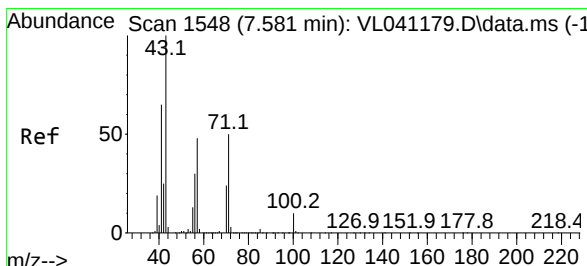
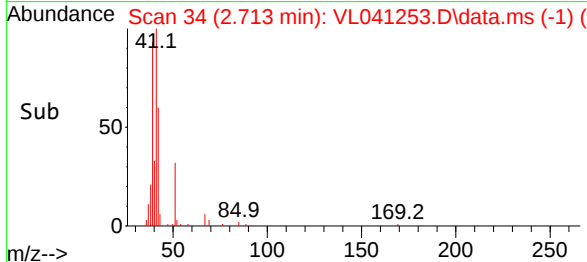
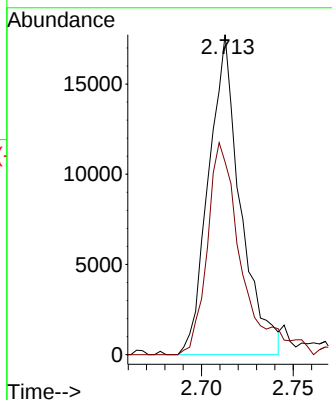
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion: 41 Resp: 21360
 Ion Ratio Lower Upper
 41 100
 42 73.7 55.3 82.9

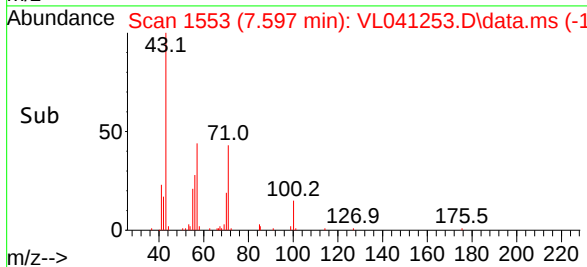
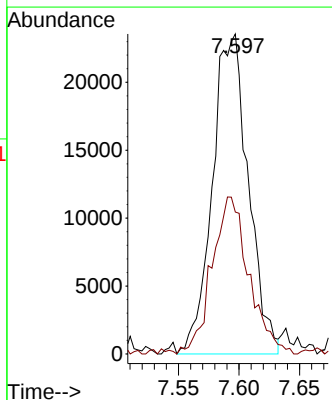
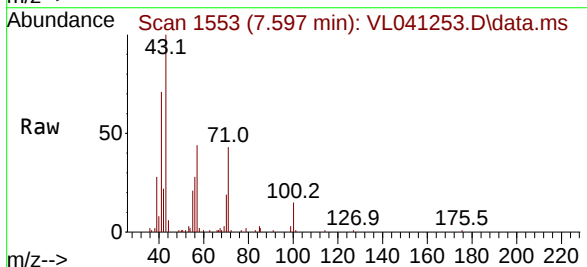
Manual Integrations
 APPROVED

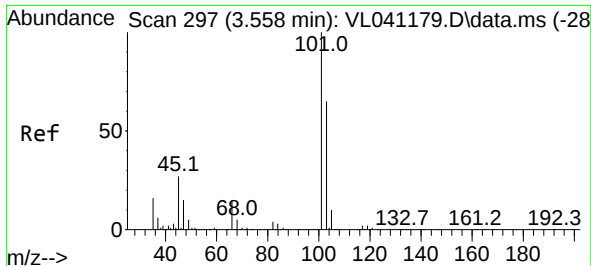
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#10
 Heptane
 Concen: 0.449 ppbv m
 RT: 7.597 min Scan# 1553
 Delta R.T. 0.000 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

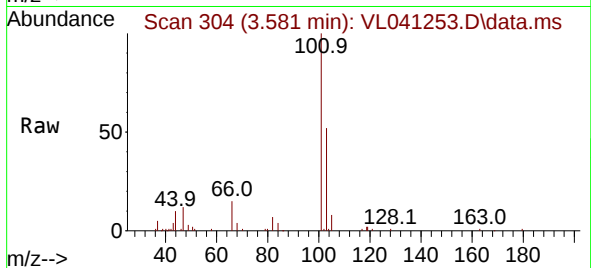
Tgt Ion: 43 Resp: 48672
 Ion Ratio Lower Upper
 43 100
 57 0.0 38.7 58.1#





#11
 Trichlorofluoromethane
 Concen: 0.551 ppbv
 RT: 3.581 min Scan# 304
 Delta R.T. 0.003 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

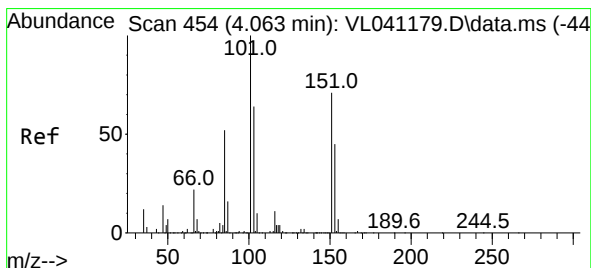
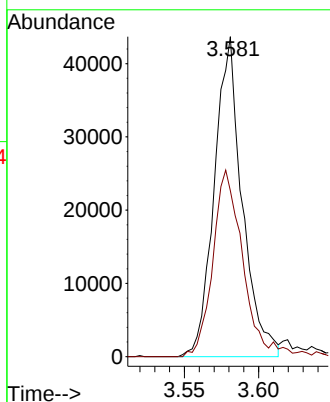
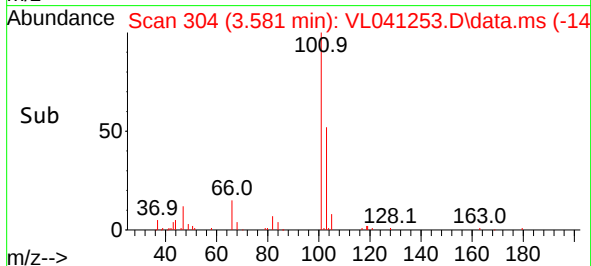
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



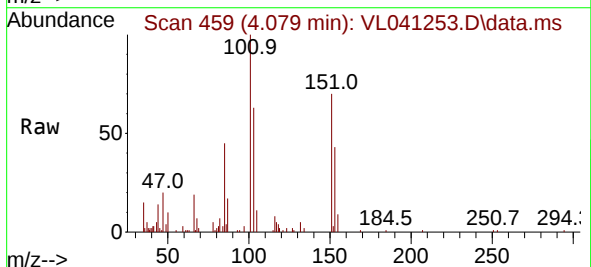
Tgt Ion:101 Resp: 56990
 Ion Ratio Lower Upper
 101 100
 103 51.8 51.6 77.4

Manual Integrations
 APPROVED

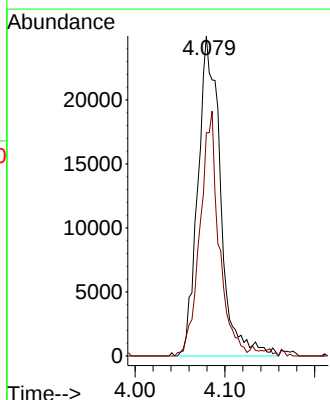
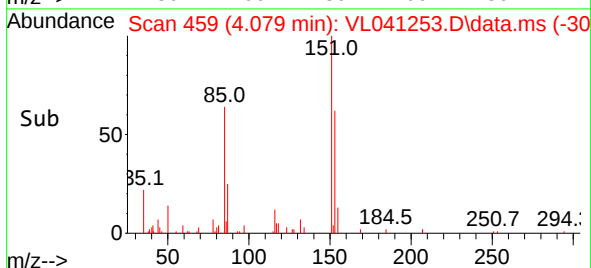
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024

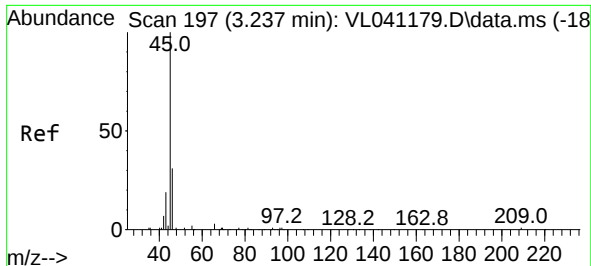


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.573 ppbv m
 RT: 4.079 min Scan# 459
 Delta R.T. 0.000 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28



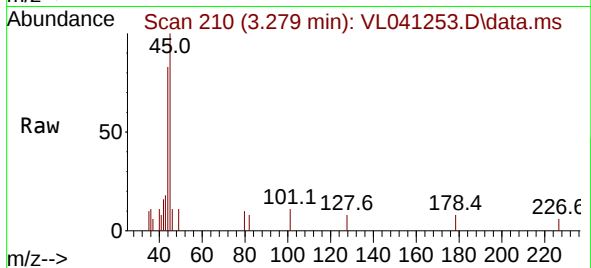
Tgt Ion:101 Resp: 43789
 Ion Ratio Lower Upper
 101 100
 151 66.5 56.8 85.2





#13
Ethanol
Concen: 0.458 ppbv m
RT: 3.279 min Scan# 210
Delta R.T. 0.023 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

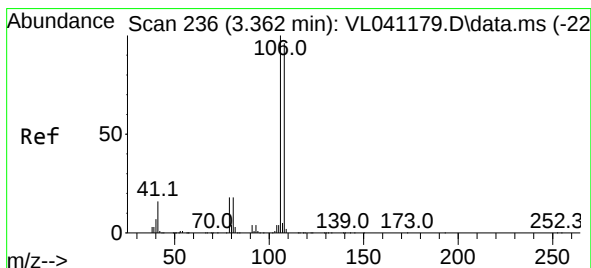
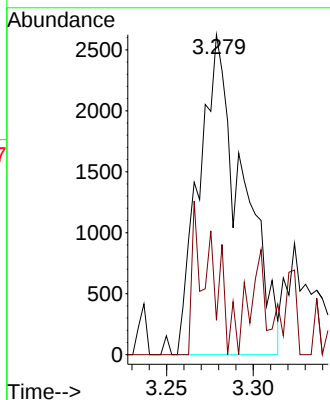
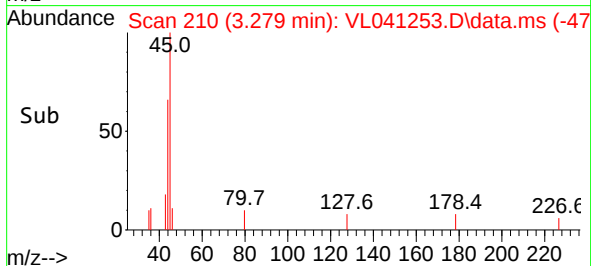
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



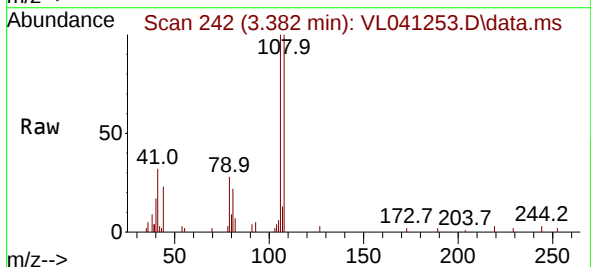
Tgt Ion: 45 Resp: 459
Ion Ratio Lower Upper
45 100
46 40.5 14.8 59.0

Manual Integrations
APPROVED

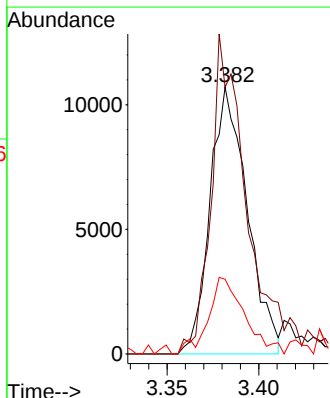
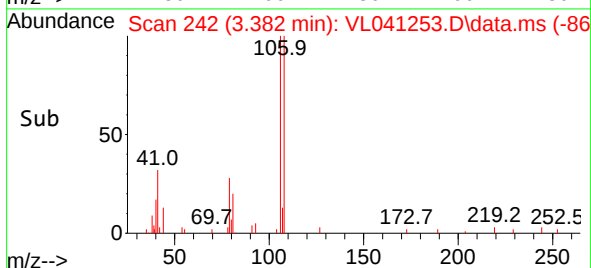
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

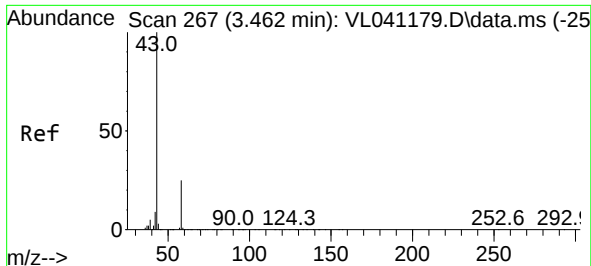


#14
Bromoethene
Concen: 0.480 ppbv
RT: 3.382 min Scan# 242
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28



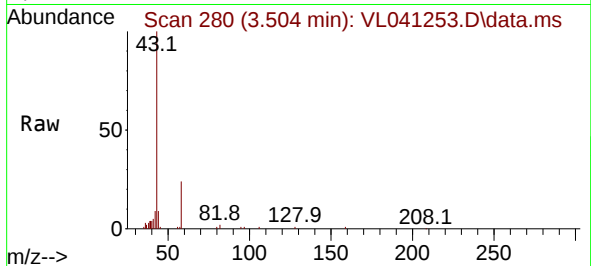
Tgt Ion:108 Resp: 15148
Ion Ratio Lower Upper
108 100
106 119.3 88.2 132.4
79 29.0 17.4 26.0#





#15
Acetone
Concen: 0.620 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

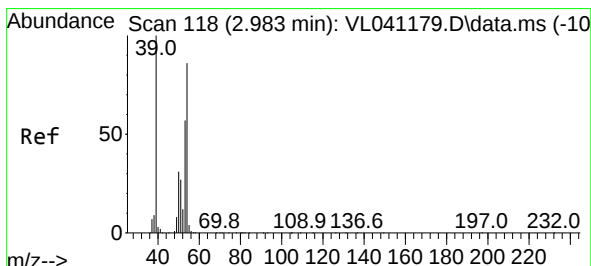
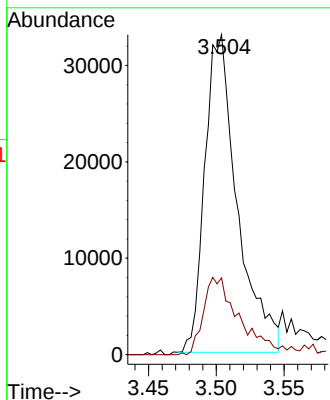
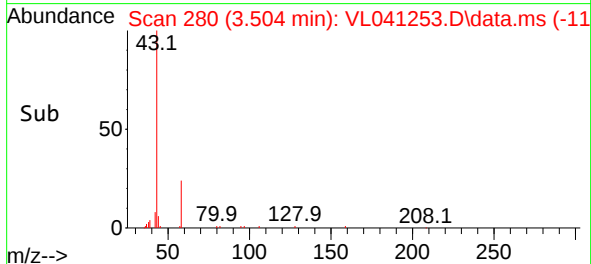
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 43 Resp: 55018
Ion Ratio Lower Upper
43 100
58 27.5 21.4 32.0

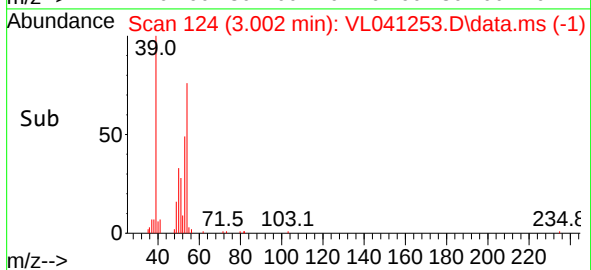
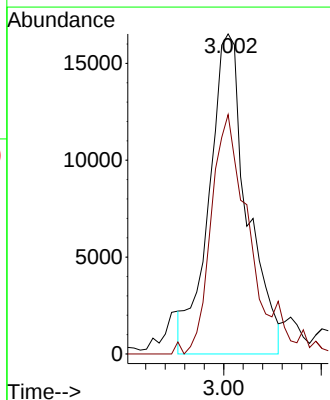
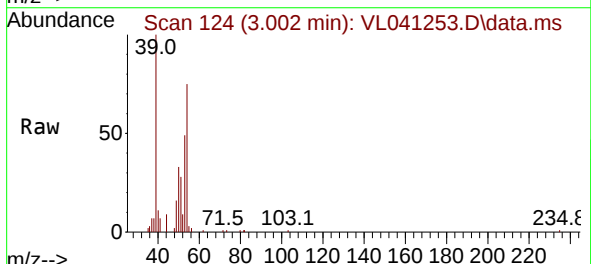
Manual Integrations
APPROVED

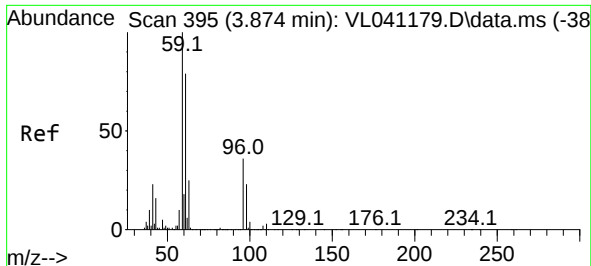
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#16
1,3-Butadiene
Concen: 0.498 ppbv
RT: 3.002 min Scan# 124
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion: 39 Resp: 22338
Ion Ratio Lower Upper
39 100
54 80.3 62.2 93.4





#17

tert-Butyl alcohol

Concen: 0.417 ppbv m

RT: 3.909 min Scan# 406

Delta R.T. 0.019 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion: 59 Resp: 3995

Ion Ratio Lower Upper

59 100

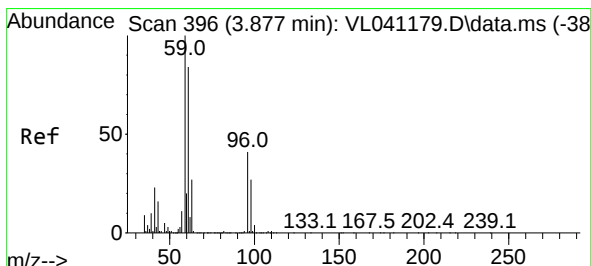
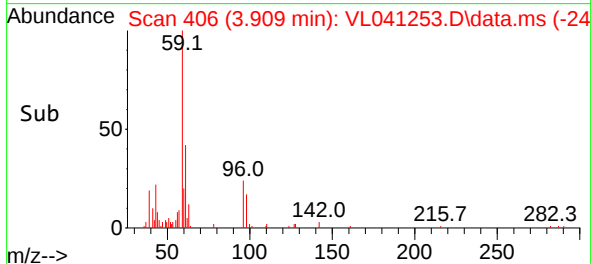
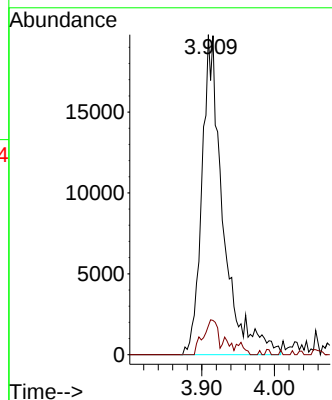
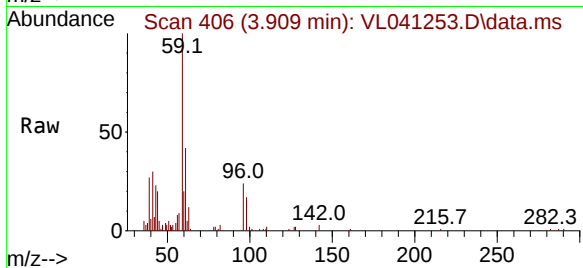
57 10.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#18

1,1-Dichloroethene

Concen: 0.493 ppbv m

RT: 3.893 min Scan# 401

Delta R.T. -0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

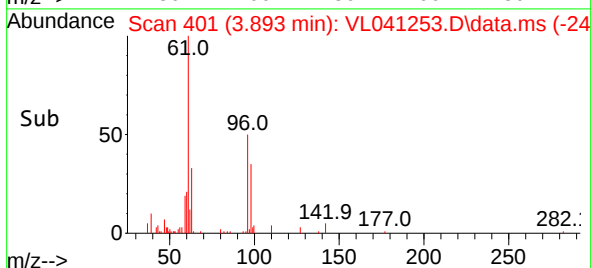
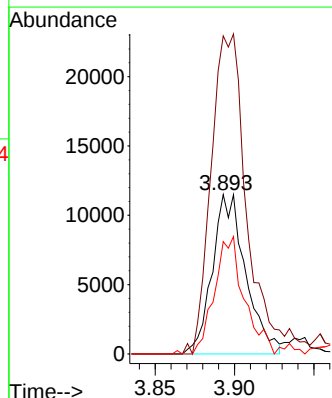
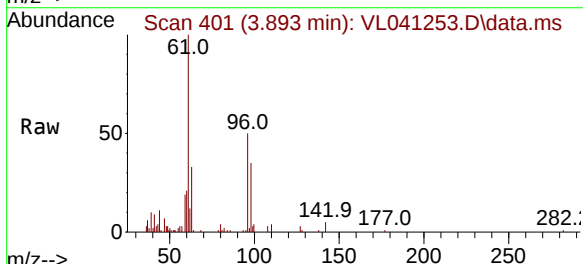
Tgt Ion: 96 Resp: 16825

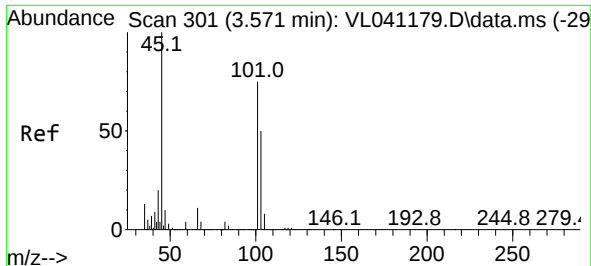
Ion Ratio Lower Upper

96 100

61 199.6 164.4 246.6

98 70.5 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.443 ppbv m

RT: 3.610 min Scan# 313

Delta R.T. 0.019 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

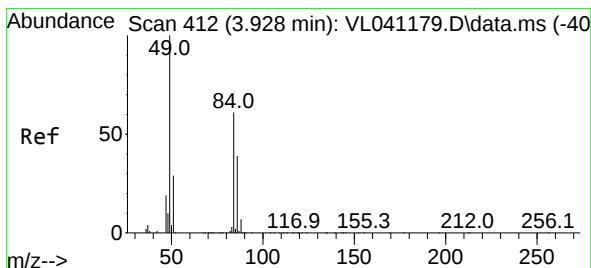
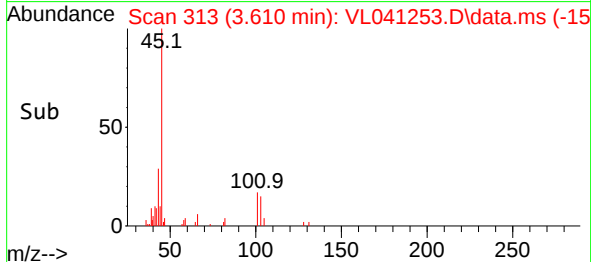
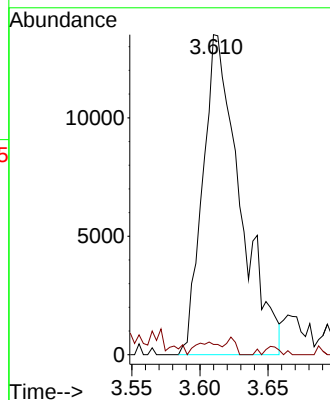
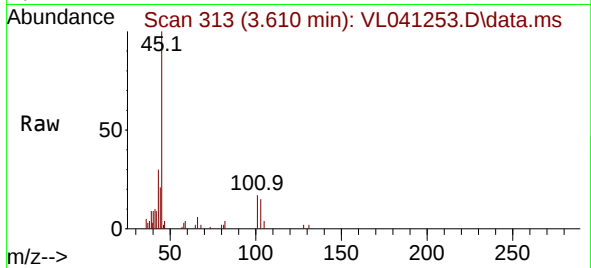
MDL-AIR-03-QT2-2024

Tgt Ion: 45 Resp: 25810
 Ion Ratio Lower Upper
 45 100
 58 5.2 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#20

Methylene Chloride

Concen: 0.604 ppbv m

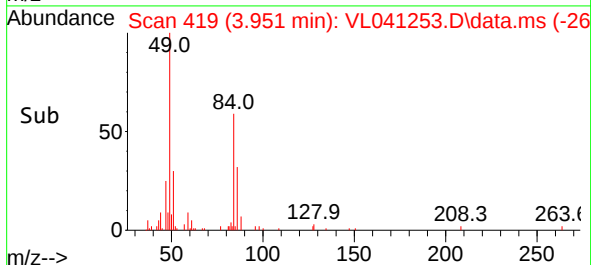
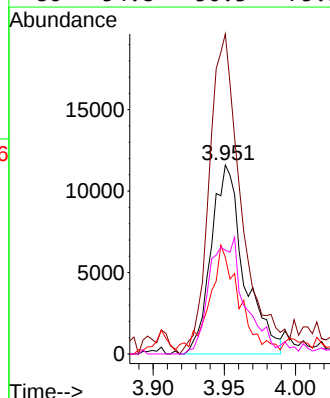
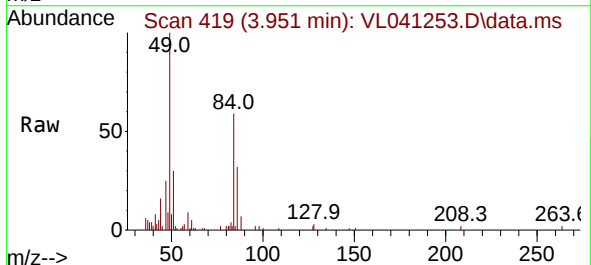
RT: 3.951 min Scan# 419

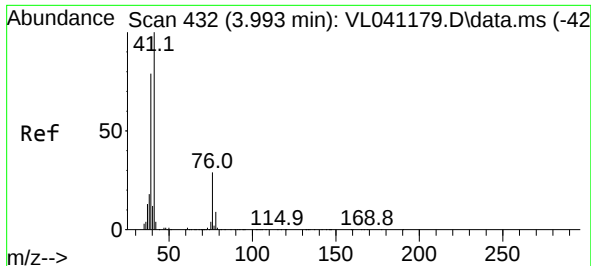
Delta R.T. 0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion: 84 Resp: 18634
 Ion Ratio Lower Upper
 84 100
 49 169.4 130.4 195.6
 51 51.2 38.0 57.0
 86 54.8 50.3 75.5





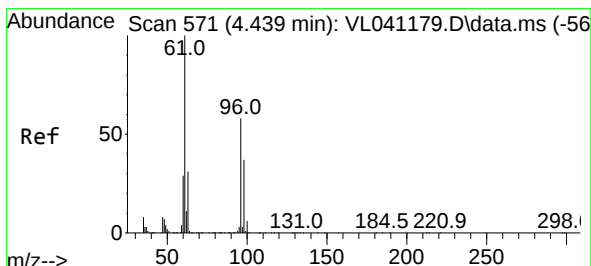
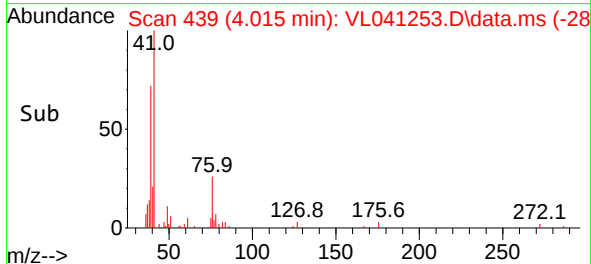
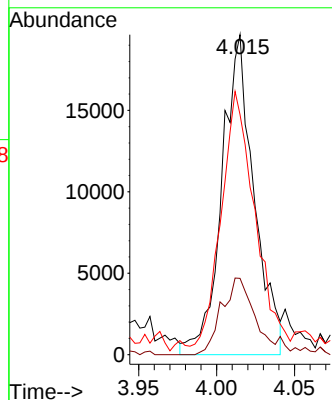
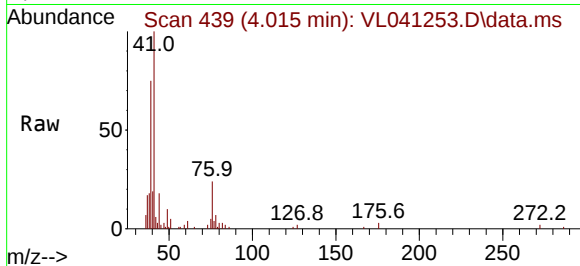
#21
 Allyl Chloride
 Concen: 0.487 ppbv
 RT: 4.015 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024

Tgt Ion: 41 Resp: 28200
 Ion Ratio Lower Upper
 41 100
 76 27.0 23.7 35.5
 39 91.5 64.7 97.1

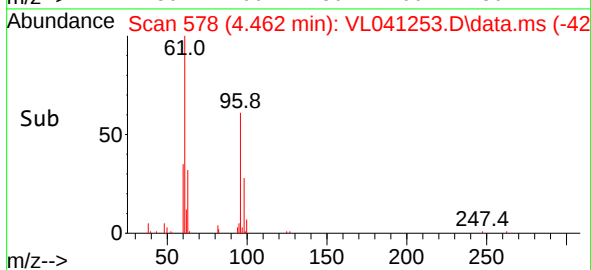
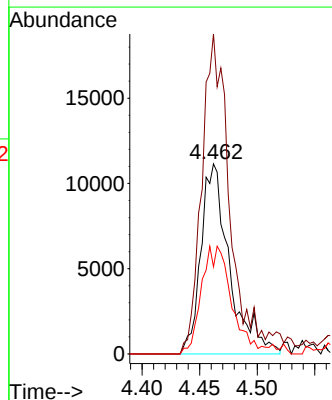
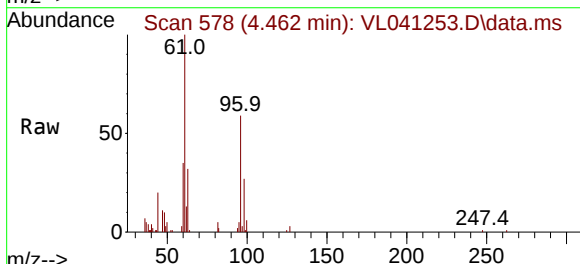
Manual Integrations
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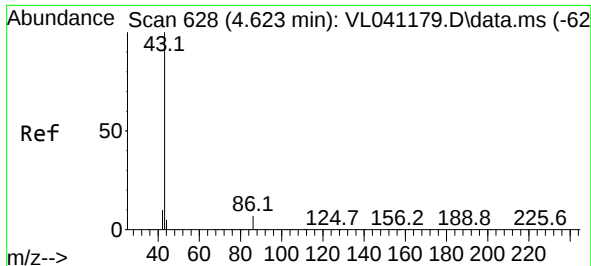
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#22
 trans-1,2-Dichloroethene
 Concen: 0.543 ppbv m
 RT: 4.462 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

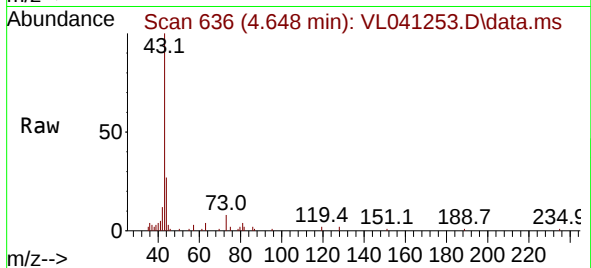
Tgt Ion: 96 Resp: 19241
 Ion Ratio Lower Upper
 96 100
 61 168.3 137.6 206.4
 98 45.9 50.6 76.0#





#23
 Vinyl Acetate
 Concen: 0.401 ppbv m
 RT: 4.648 min Scan# 613
 Delta R.T. 0.010 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

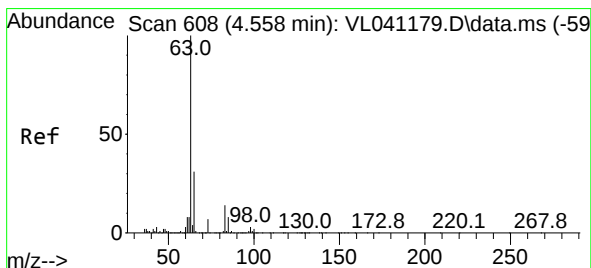
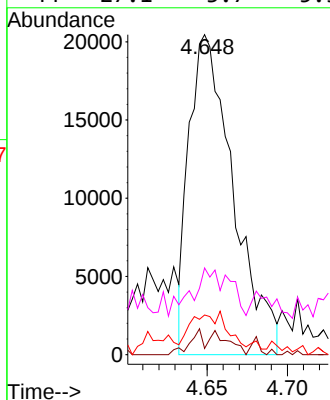
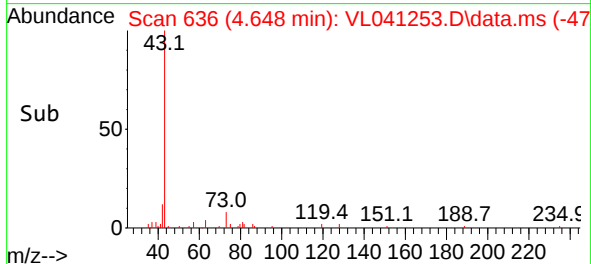
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion: 43 Resp: 3922
 Ion Ratio Lower Upper
 43 100
 86 1.9 4.9 7.3
 42 12.4 8.0 12.0
 44 27.1 3.7 5.5#

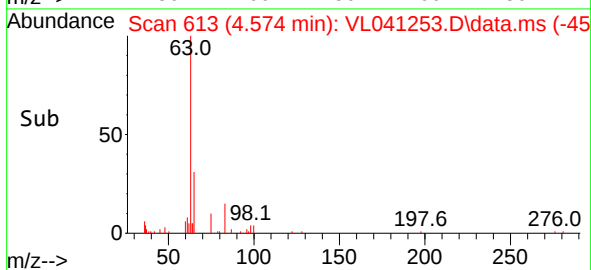
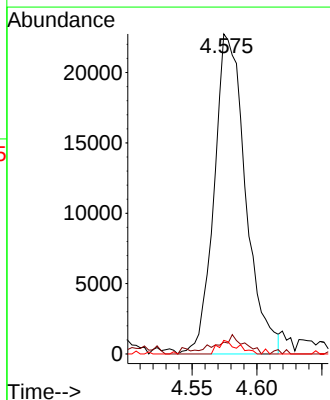
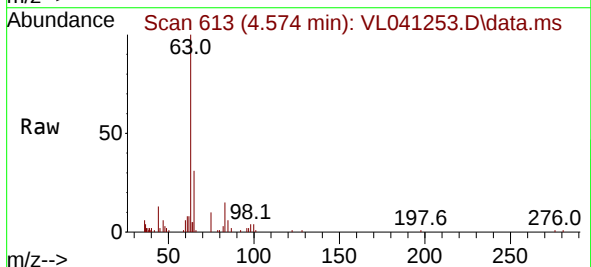
Manual Integrations
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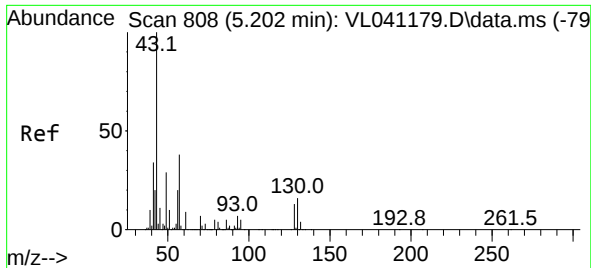
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#24
 1,1-Dichloroethane
 Concen: 0.502 ppbv
 RT: 4.574 min Scan# 613
 Delta R.T. -0.003 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

Tgt Ion: 63 Resp: 38181
 Ion Ratio Lower Upper
 63 100
 98 3.5 1.6 4.8
 100 4.1 1.1 3.5#





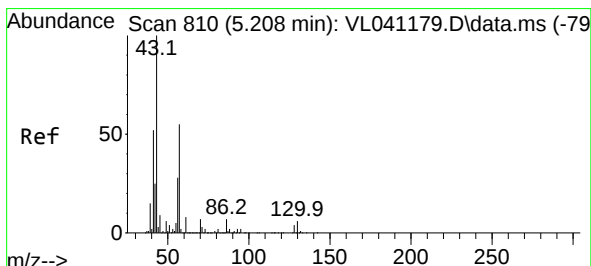
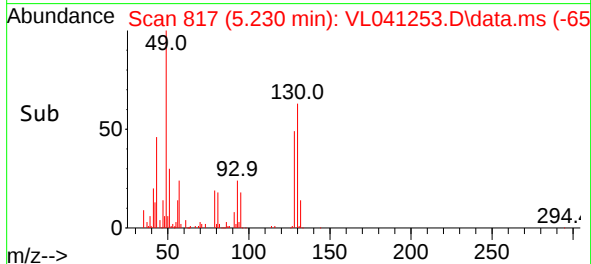
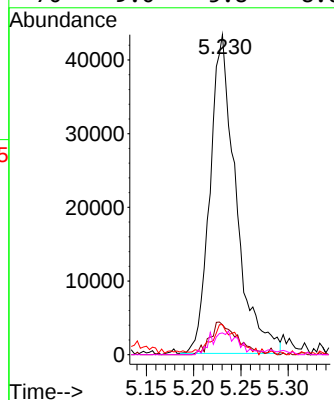
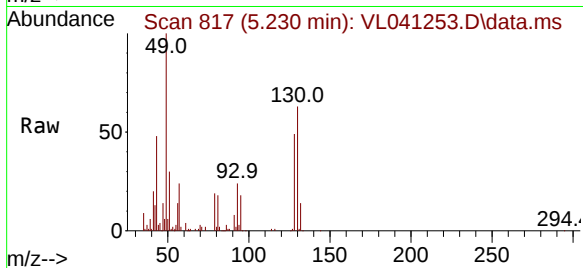
#25
Ethyl Acetate
Concen: 0.466 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.010 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024

Tgt Ion: 43 Resp: 82564
Ion Ratio Lower Upper
43 100
45 11.2 8.2 12.2
61 10.1 7.7 11.5
70 9.0 5.8 8.6#

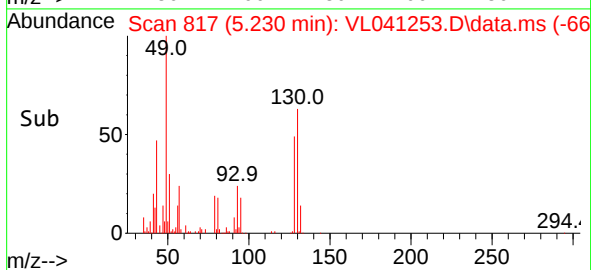
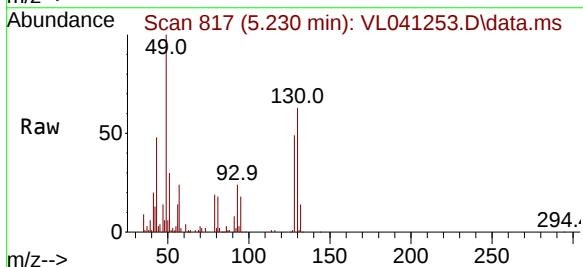
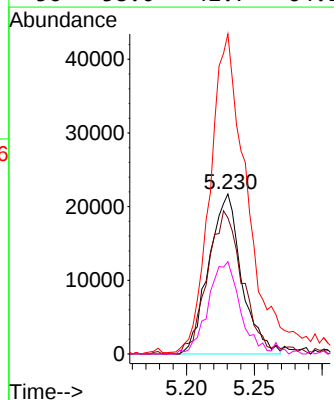
Manual Integrations
APPROVED

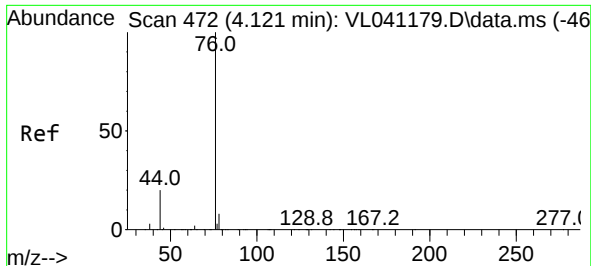
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#26
Hexane
Concen: 0.461 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion: 57 Resp: 36471
Ion Ratio Lower Upper
57 100
41 99.5 75.8 113.8
43 230.3 187.0 280.4
56 58.0 42.7 64.1





#27

Carbon Disulfide

Concen: 0.452 ppbv

RT: 4.140 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

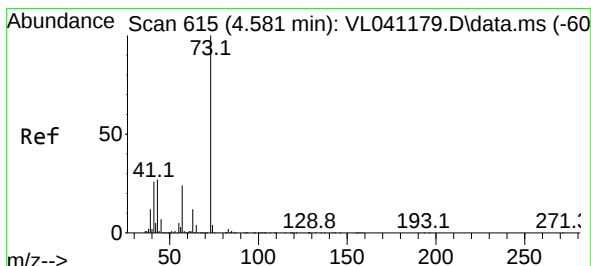
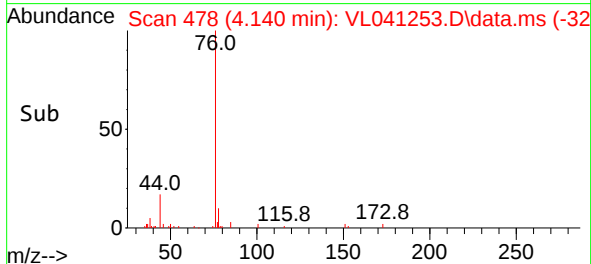
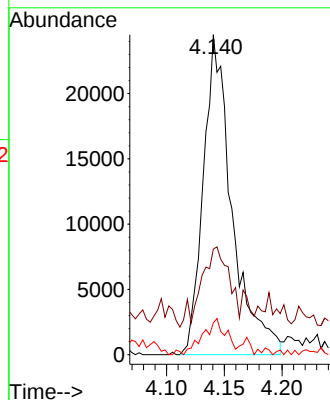
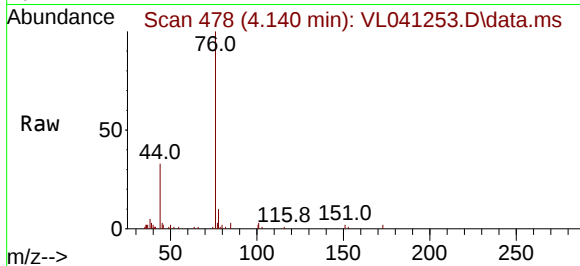
MDL-AIR-03-QT2-2024

Tgt Ion: 76	Resp: 4231
Ion Ratio	Lower Upper
76	100
44	25.9 16.3 24.5
78	11.3 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#28

Methyl tert-Butyl Ether

Concen: 0.461 ppbv m

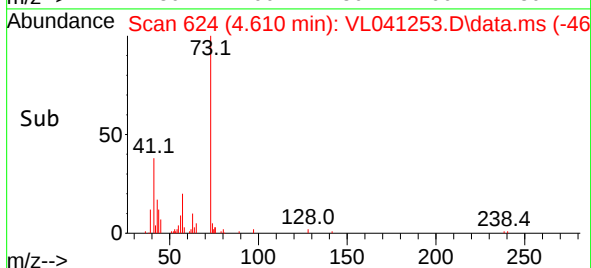
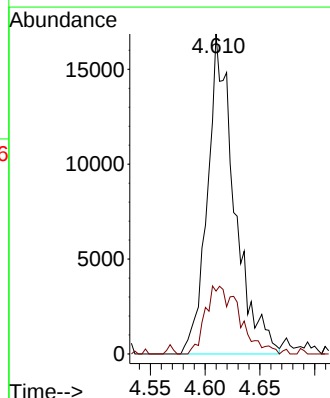
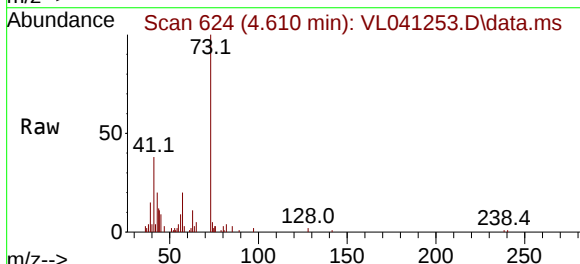
RT: 4.610 min Scan# 624

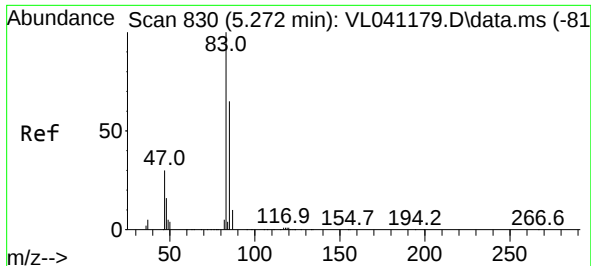
Delta R.T. 0.010 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion: 73	Resp: 29014
Ion Ratio	Lower Upper
73	100
57	27.6 18.8 28.2





#29

Chloroform

Concen: 0.570 ppbv m

RT: 5.292 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion: 83 Resp: 62200

Ion Ratio Lower Upper

83 100

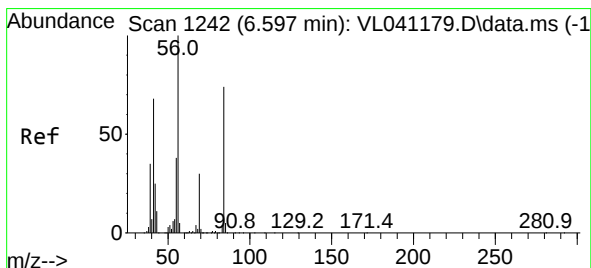
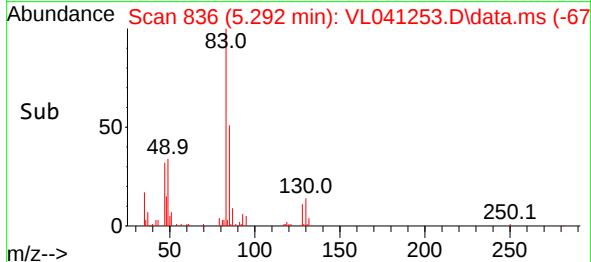
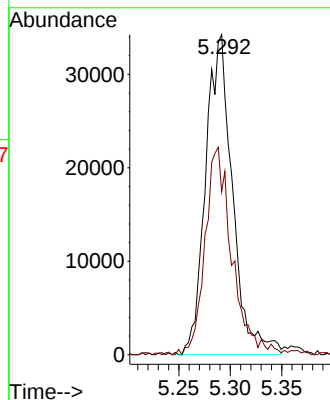
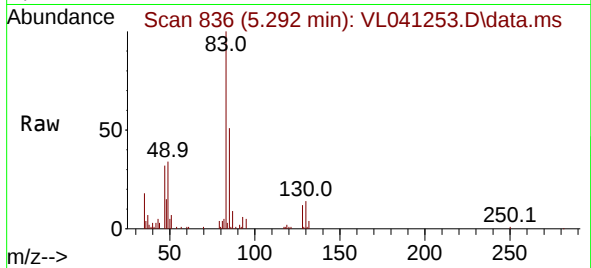
85 50.8 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#30

Cyclohexane

Concen: 0.557 ppbv m

RT: 6.626 min Scan# 1251

Delta R.T. 0.010 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

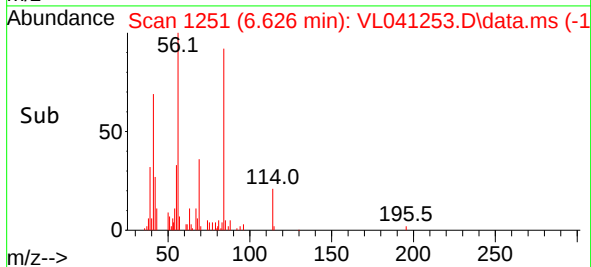
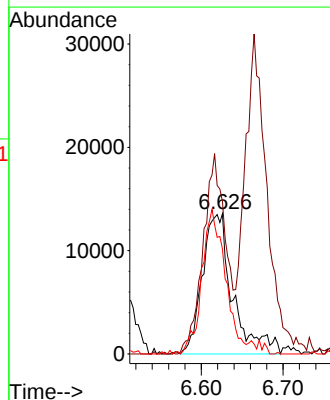
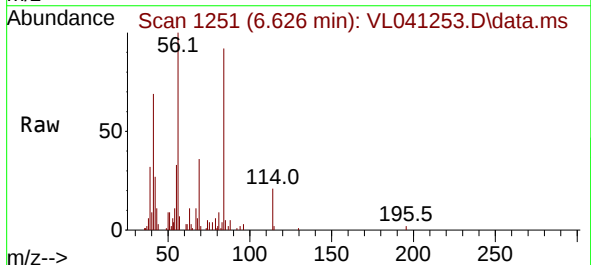
Tgt Ion: 84 Resp: 34858

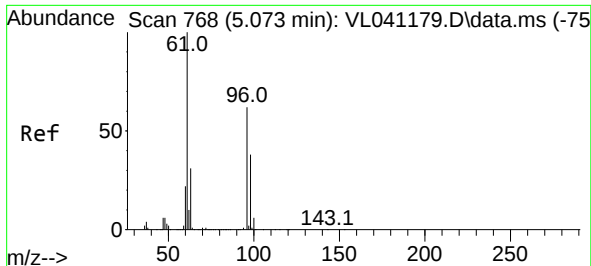
Ion Ratio Lower Upper

84 100

56 108.8 116.8 175.2#

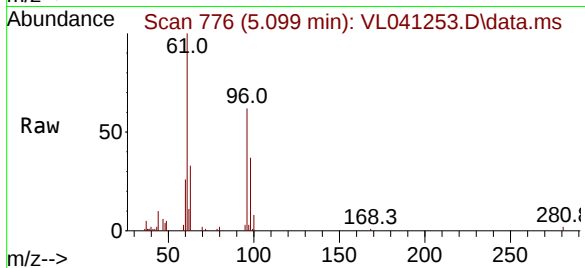
41 84.0 73.8 110.8





#31
cis-1,2-Dichloroethene
Concen: 0.491 ppbv m
RT: 5.099 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

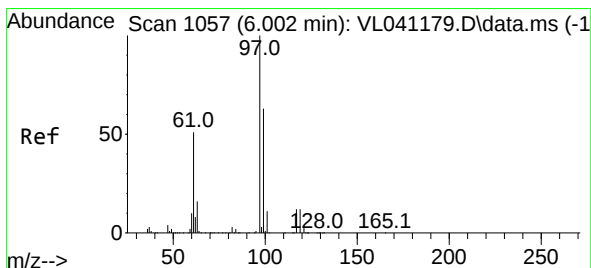
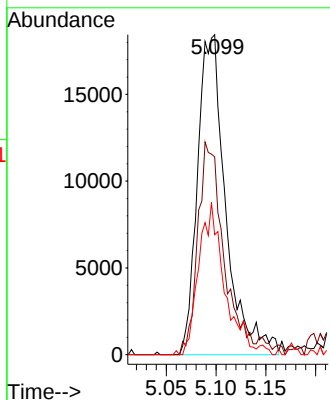
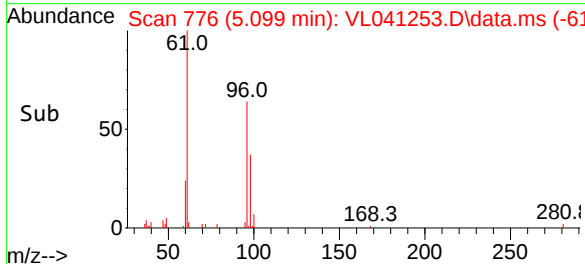
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 61 Resp: 3633
Ion Ratio Lower Upper
61 100
96 61.9 49.8 74.6
98 37.5 30.0 45.0

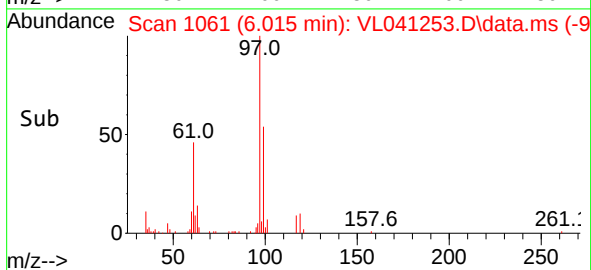
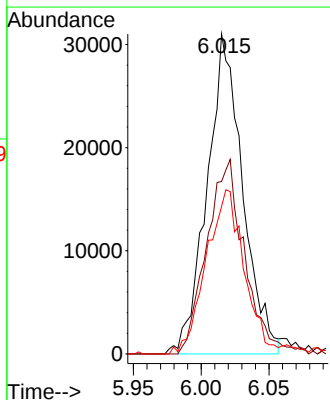
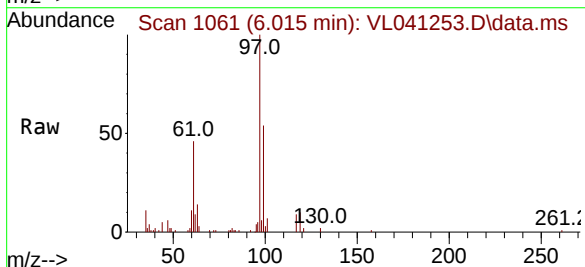
Manual Integrations
APPROVED

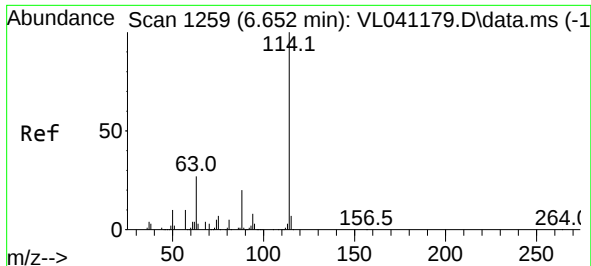
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#32
1,1,1-Trichloroethane
Concen: 0.517 ppbv
RT: 6.015 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion: 97 Resp: 56268
Ion Ratio Lower Upper
97 100
99 65.4 51.7 77.5
61 57.1 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion:114 Resp: 204542

Ion Ratio Lower Upper

114 100

63 26.1 21.8 32.6

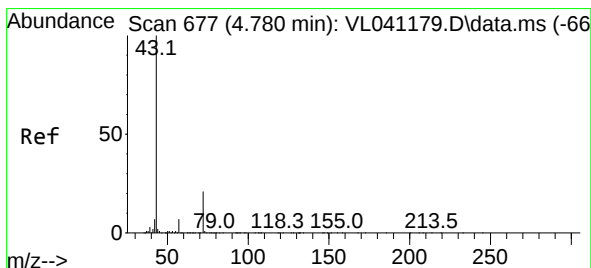
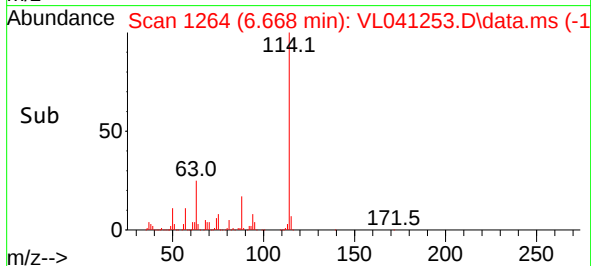
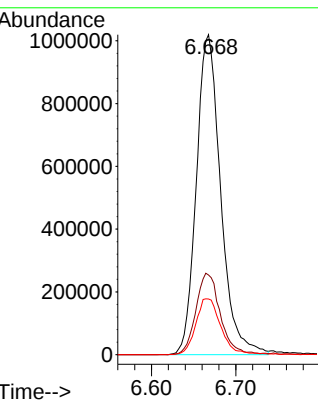
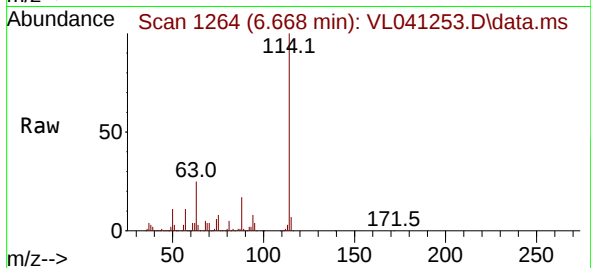
88 18.2 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#34

2-Butanone

Concen: 0.506 ppbv m

RT: 4.816 min Scan# 688

Delta R.T. 0.016 min

Lab File: VL041253.D

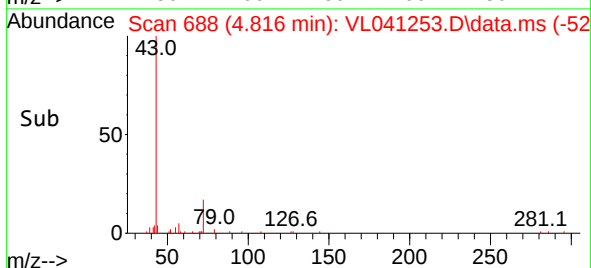
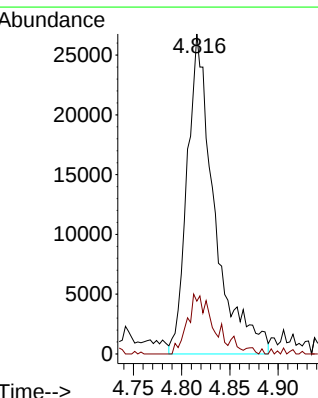
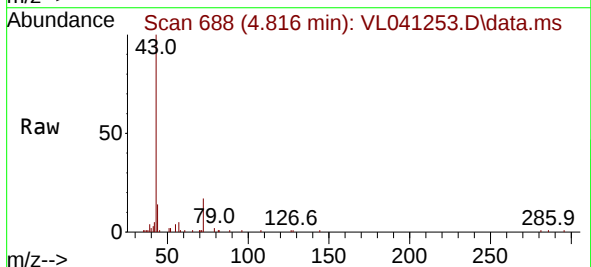
Acq: 9 May 2024 11:28

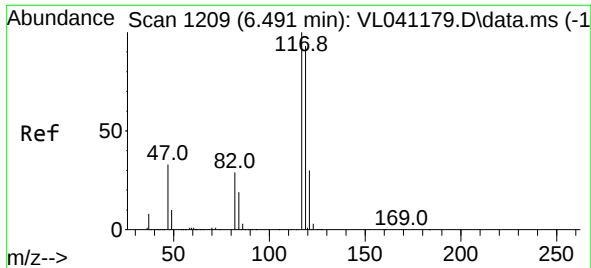
Tgt Ion: 43 Resp: 52686

Ion Ratio Lower Upper

43 100

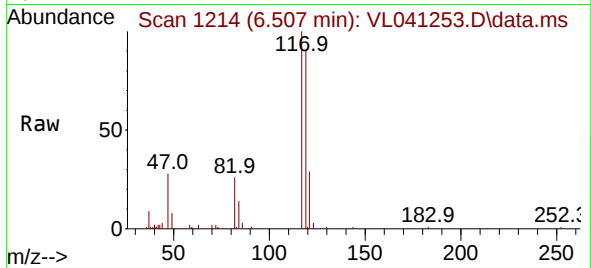
72 18.8 17.3 25.9





#35
Carbon Tetrachloride
Concen: 0.486 ppbv
RT: 6.507 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

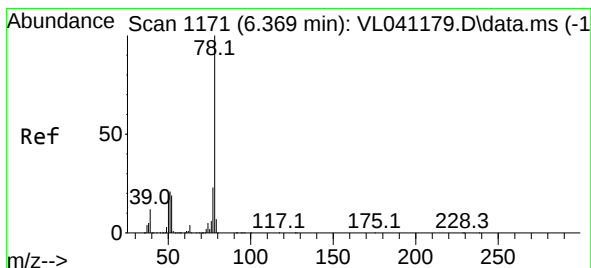
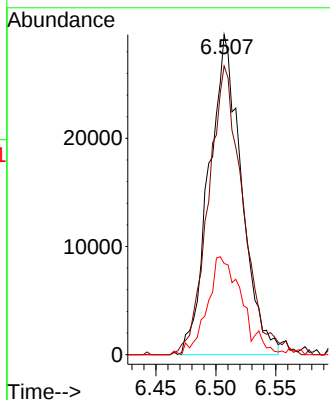
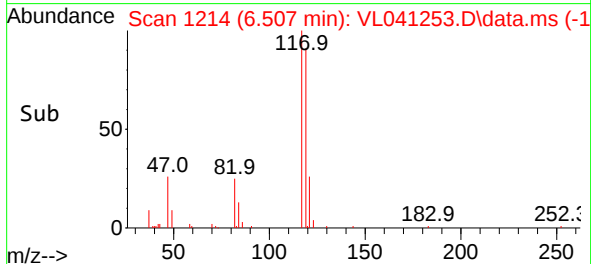
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2024



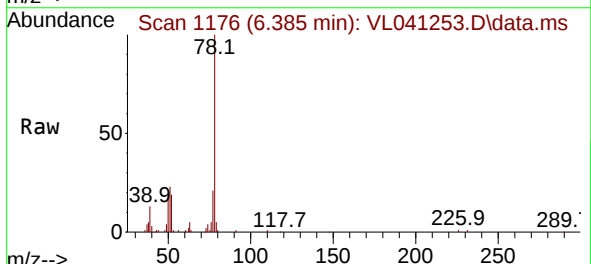
Tgt Ion:117 Resp: 5583
Ion Ratio Lower Upper
117 100
119 89.0 74.3 111.5
121 28.0 23.8 35.8

Manual Integrations
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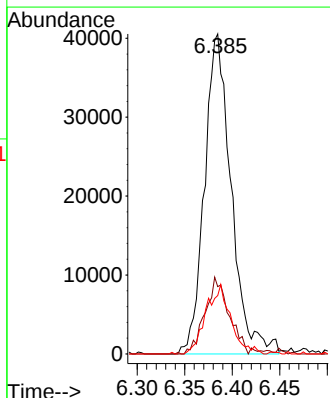
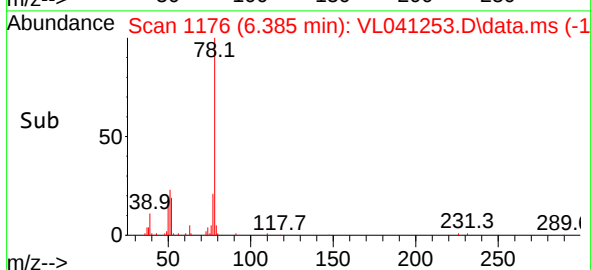
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

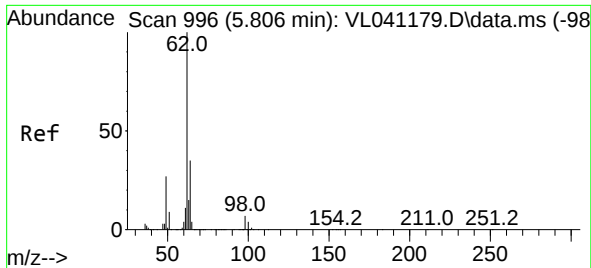


#36
Benzene
Concen: 0.462 ppbv m
RT: 6.385 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28



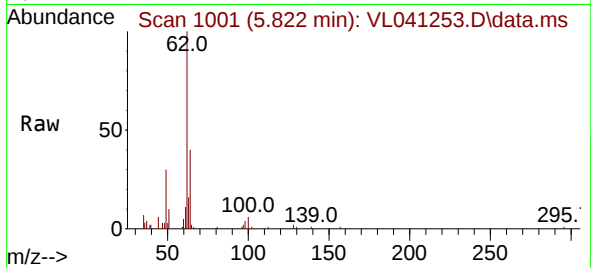
Tgt Ion: 78 Resp: 79335
Ion Ratio Lower Upper
78 100
77 21.1 18.3 27.5
50 18.3 15.9 23.9





#37
1,2-Dichloroethane
Concen: 0.473 ppbv
RT: 5.822 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

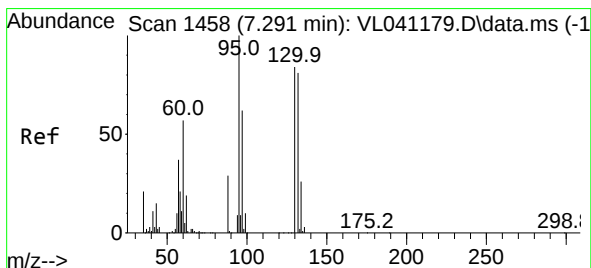
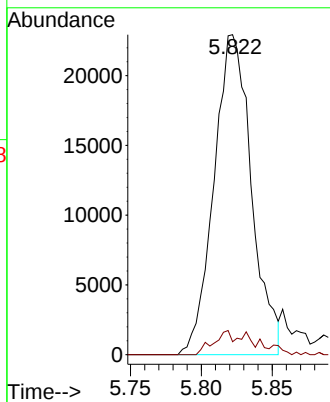
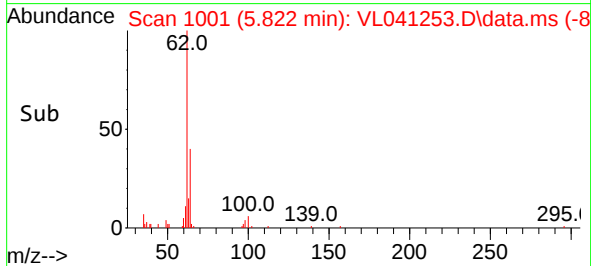
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



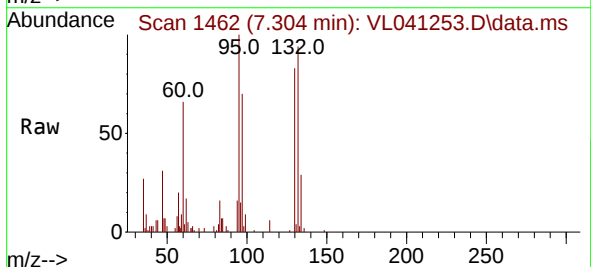
Tgt Ion: 62 Resp: 42318
Ion Ratio Lower Upper
62 100
98 8.1 5.0 7.4

Manual Integrations
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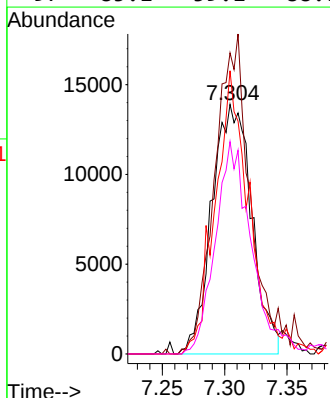
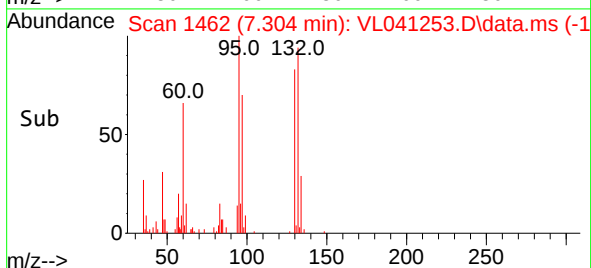
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

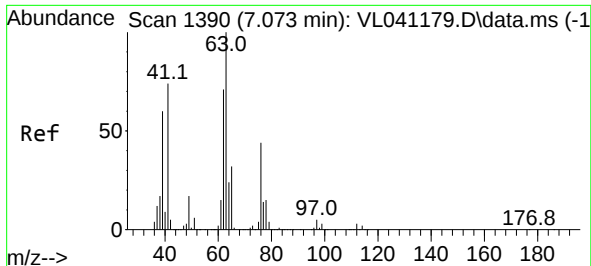


#38
Trichloroethene
Concen: 0.482 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28



Tgt Ion:130 Resp: 30807
Ion Ratio Lower Upper
130 100
95 120.7 95.0 142.6
132 113.5 77.0 115.4
97 85.1 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.465 ppbv

RT: 7.082 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

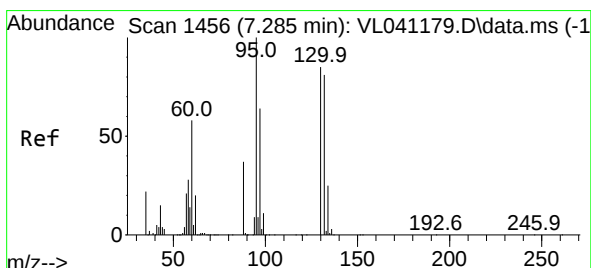
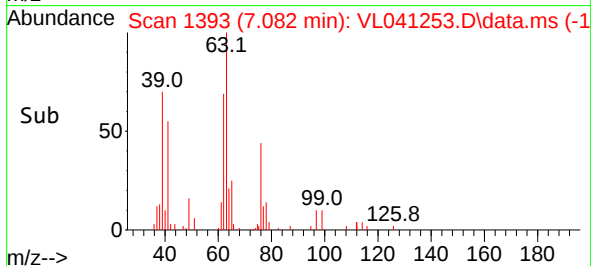
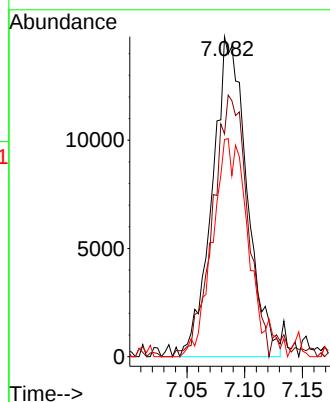
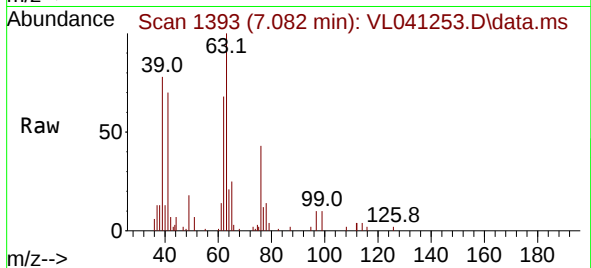
MDL-AIR-03-QT2-2024

Tgt Ion: 63	Resp: 3074
Ion Ratio	Lower Upper
63 100	
41 67.7	59.4 89.0
62 67.8	56.8 85.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#40

1,4-Dioxane

Concen: 0.406 ppbv m

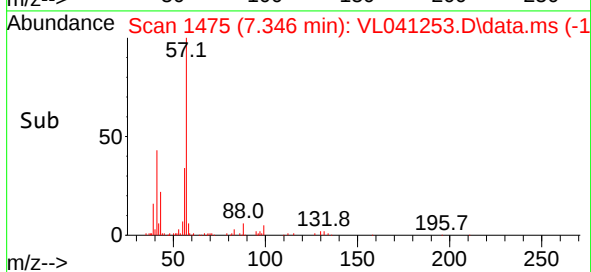
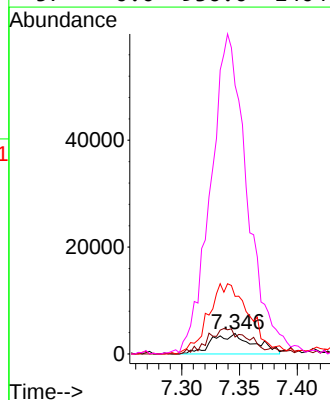
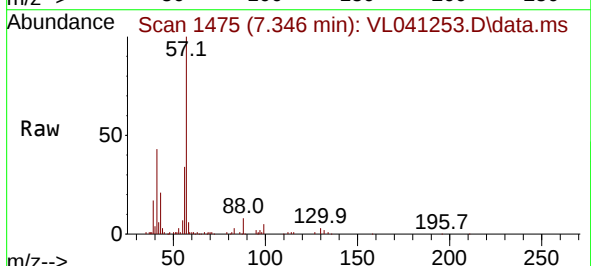
RT: 7.346 min Scan# 1475

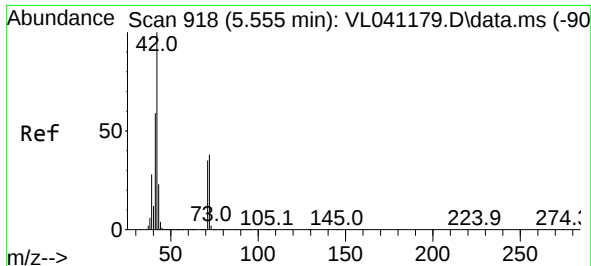
Delta R.T. 0.048 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion: 88	Resp: 9601
Ion Ratio	Lower Upper
88 100	
58 0.0	106.1 159.1#
43 0.0	219.8 329.6#
57 0.0	936.0 1404.0#





#41

Tetrahydrofuran

Concen: 0.425 ppbv m

RT: 5.600 min Scan# 918

Delta R.T. 0.029 min

Lab File: VL041253.D

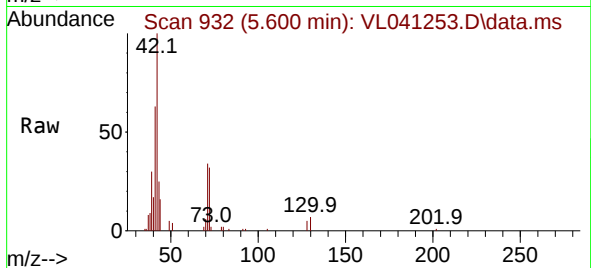
Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

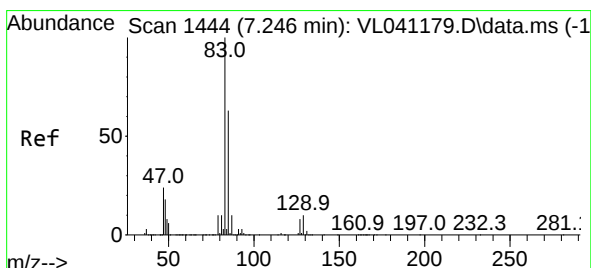
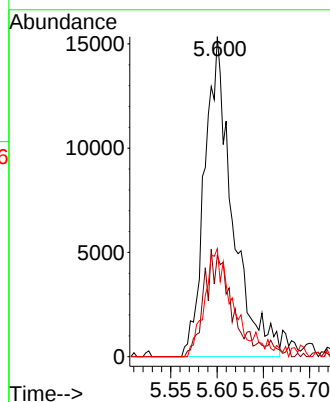
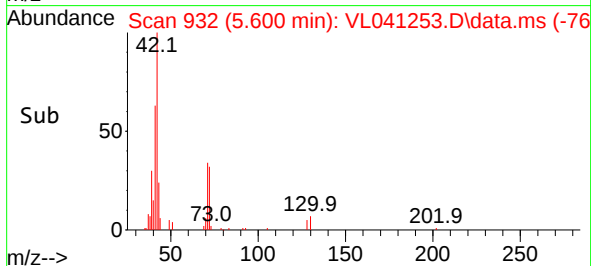


Tgt Ion:	42	Resp:	32050
Ion	Ratio	Lower	Upper
42	100		
72	32.6	29.4	44.0
71	0.0	29.1	43.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#42

Bromodichloromethane

Concen: 0.468 ppbv

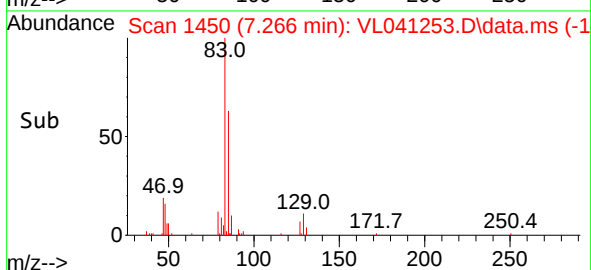
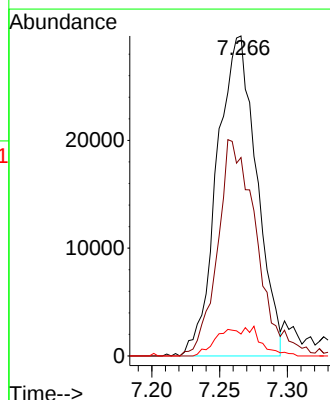
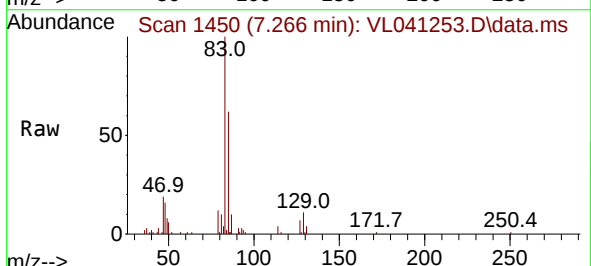
RT: 7.266 min Scan# 1450

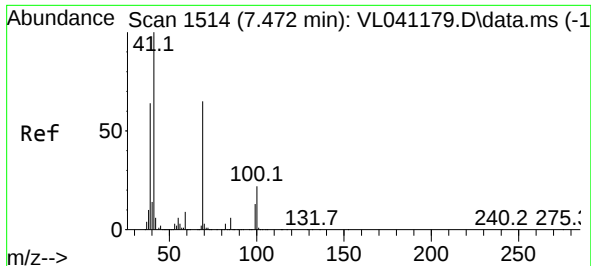
Delta R.T. 0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

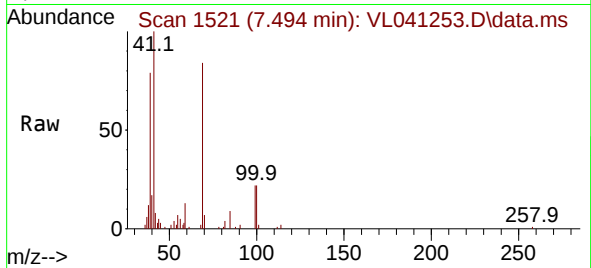
Tgt Ion:	83	Resp:	60129
Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.6	75.8
127	6.8	6.2	9.4





#43
Methyl Methacrylate
Concen: 0.419 ppbv
RT: 7.494 min Scan# 1473
Delta R.T. 0.007 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

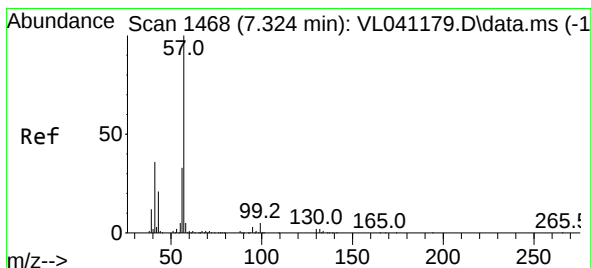
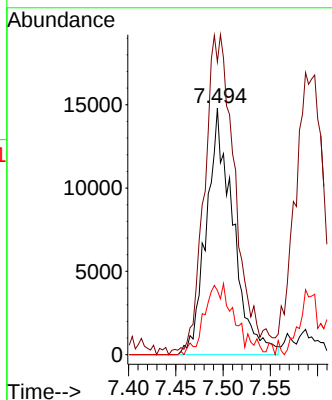
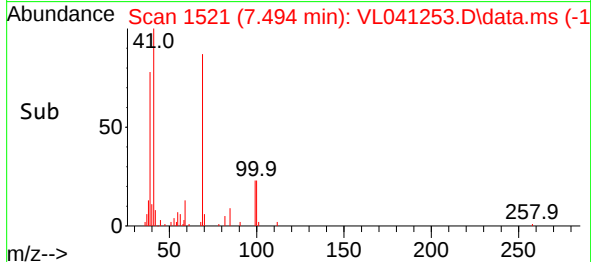
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 69 Resp: 29069
Ion Ratio Lower Upper
69 100
41 151.4 125.2 187.8
100 33.6 26.7 40.1

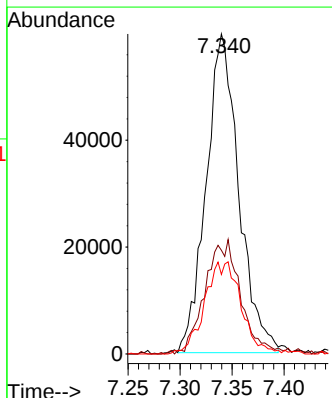
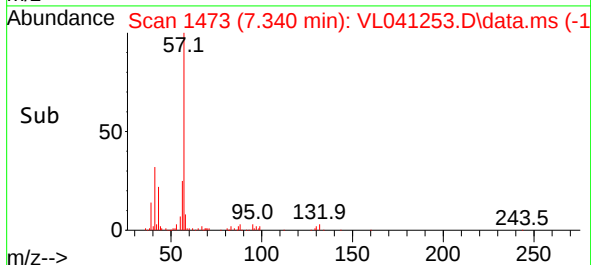
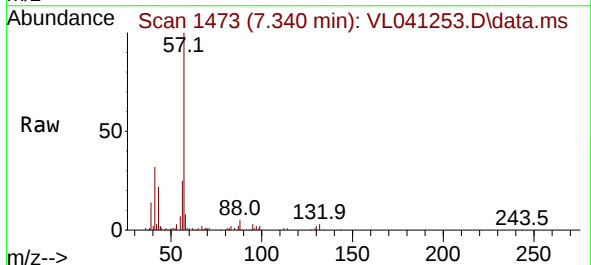
Manual Integrations
APPROVED

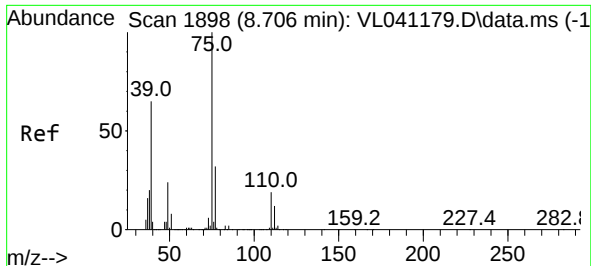
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#44
2,2,4-Trimethylpentane
Concen: 0.442 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion: 57 Resp: 130808
Ion Ratio Lower Upper
57 100
41 39.9 29.5 44.3
56 32.5 25.3 37.9





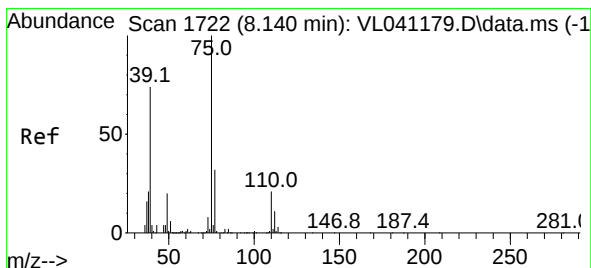
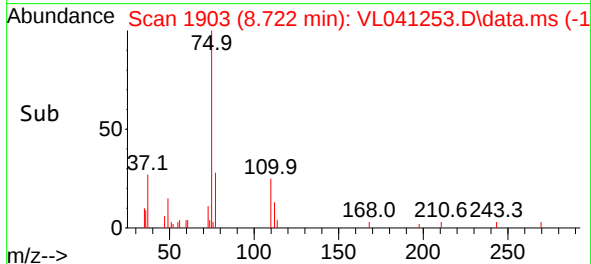
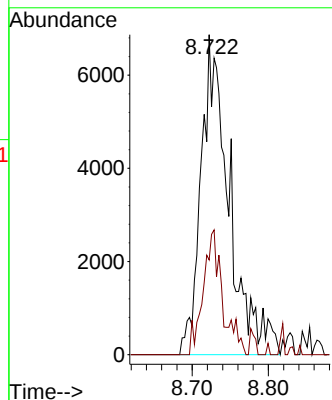
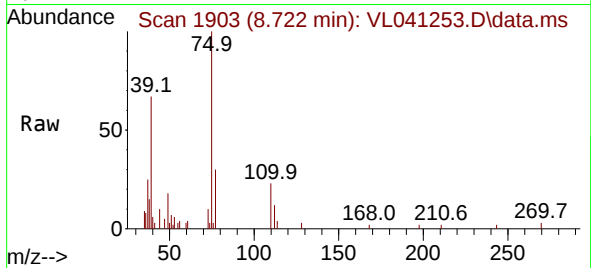
#45
t-1,3-Dichloropropene
Concen: 0.349 ppbv m
RT: 8.722 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024

Tgt Ion: 75 Resp: 17562
Ion Ratio Lower Upper
75 100
77 29.6 25.6 38.4

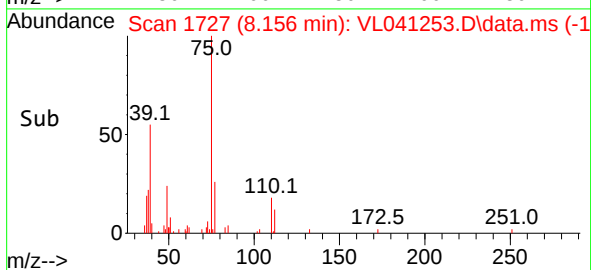
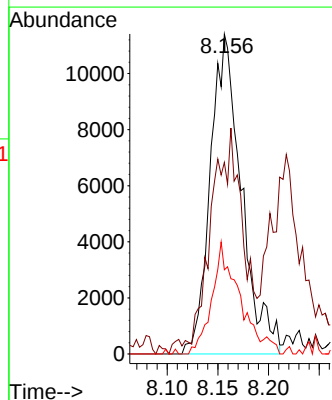
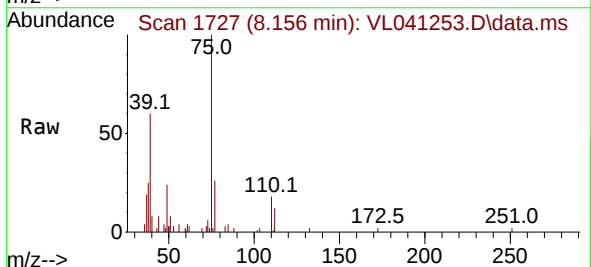
Manual Integrations
APPROVED

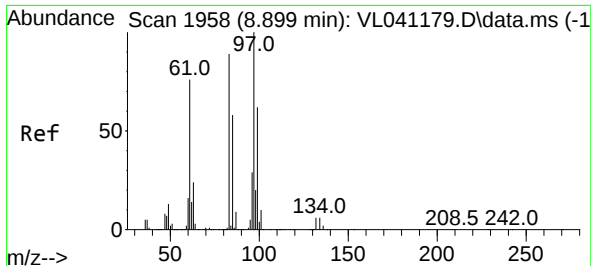
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#46
cis-1,3-Dichloropropene
Concen: 0.395 ppbv m
RT: 8.156 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion: 75 Resp: 24346
Ion Ratio Lower Upper
75 100
39 59.8 59.4 89.2
77 26.3 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 0.493 ppbv m

RT: 8.912 min Scan# 1958

Delta R.T. -0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

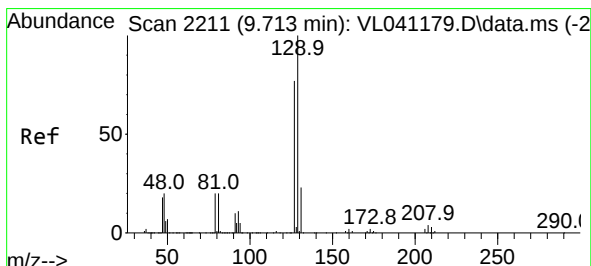
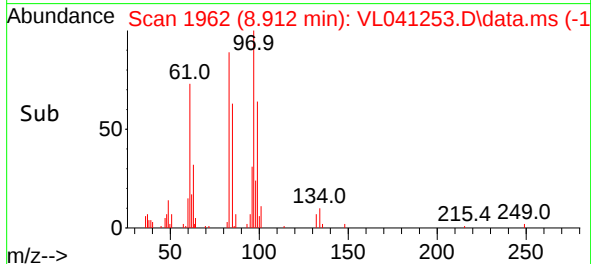
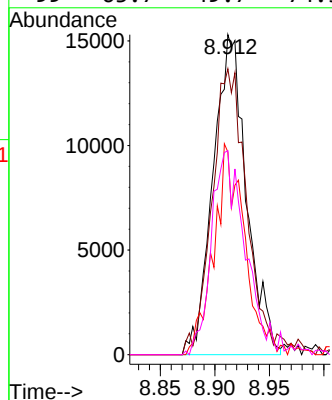
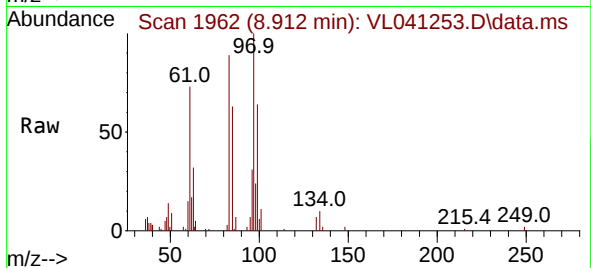
MDL-AIR-03-QT2-2024

Tgt Ion: 97	Resp: 3265
Ion Ratio	Lower Upper
97 100	
83 89.3	71.2 106.8
85 63.3	46.0 69.0
99 63.7	49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#48

Dibromochloromethane

Concen: 0.453 ppbv m

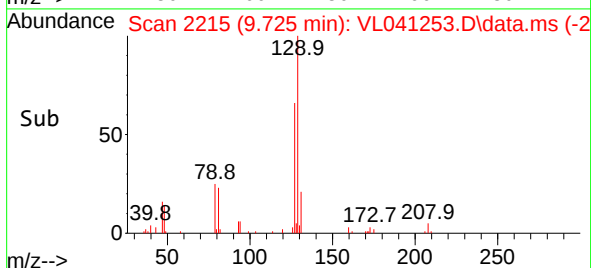
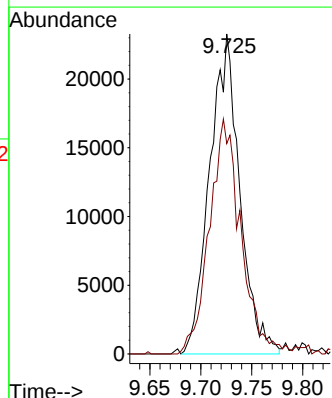
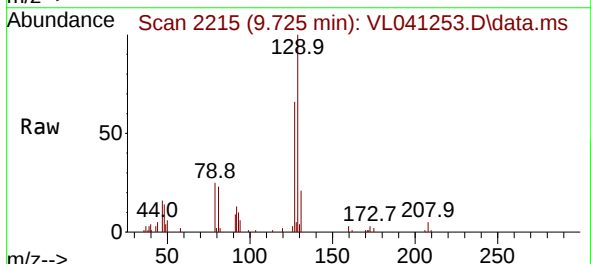
RT: 9.725 min Scan# 2215

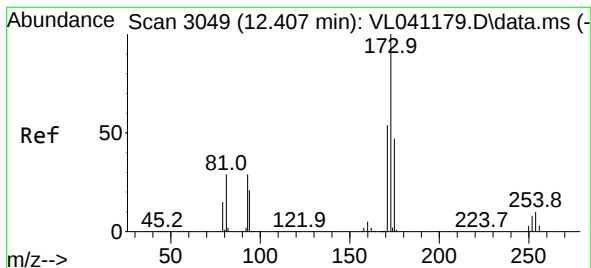
Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion:129	Resp: 47783
Ion Ratio	Lower Upper
129 100	
127 77.3	39.1 117.5





#49

Bromoform

Concen: 0.396 ppbv

RT: 12.420 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

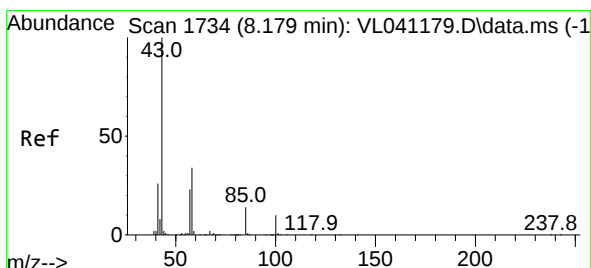
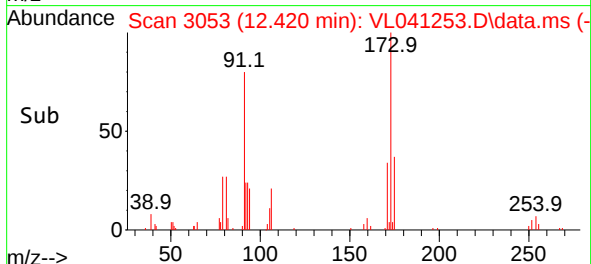
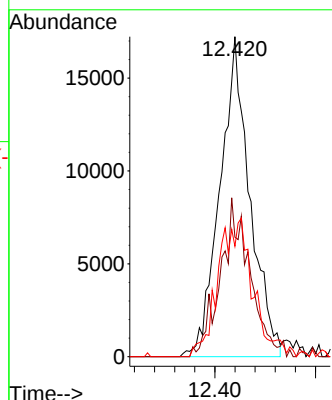
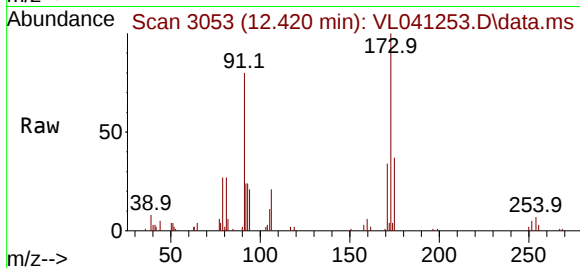
MDL-AIR-03-QT2-2024

Tgt Ion:	173	Resp:	3555
Ion Ratio	Lower	Upper	
173	100		
175	48.8	39.8	59.8
171	50.4	41.8	62.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#50

4-Methyl-2-Pentanone

Concen: 0.407 ppbv m

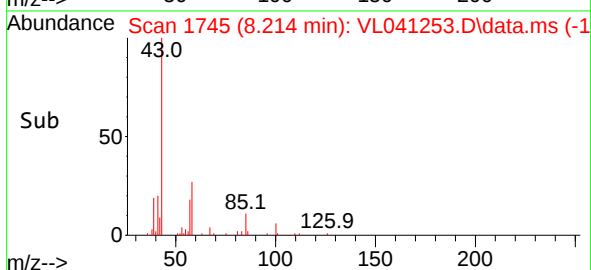
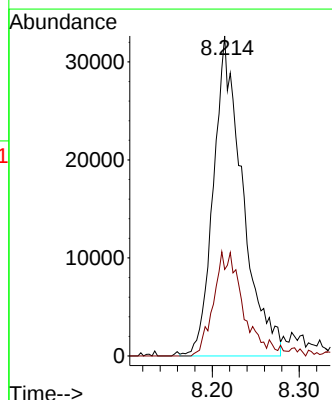
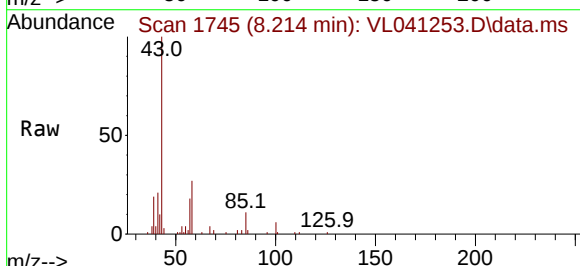
RT: 8.214 min Scan# 1745

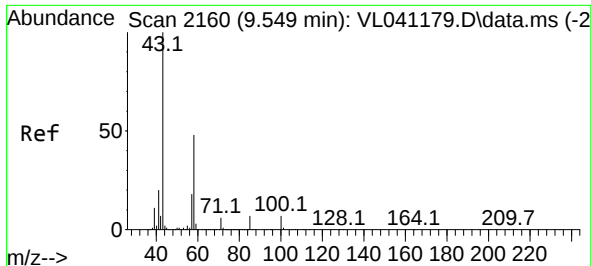
Delta R.T. 0.019 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

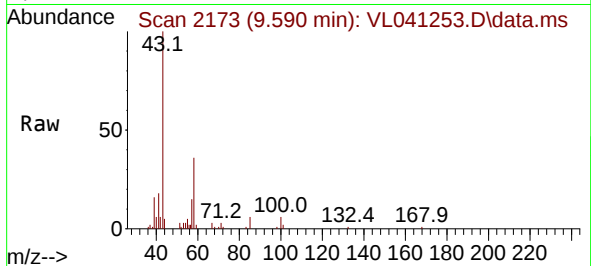
Tgt Ion:	43	Resp:	76006
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.7	41.5





#51
2-Hexanone
Concen: 0.388 ppbv m
RT: 9.590 min Scan# 2160
Delta R.T. 0.026 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

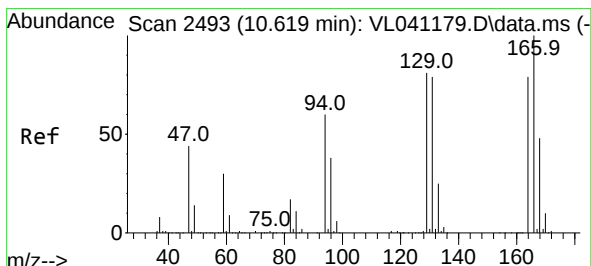
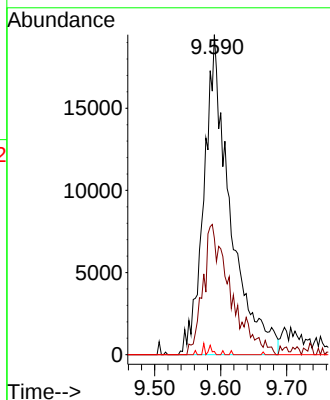
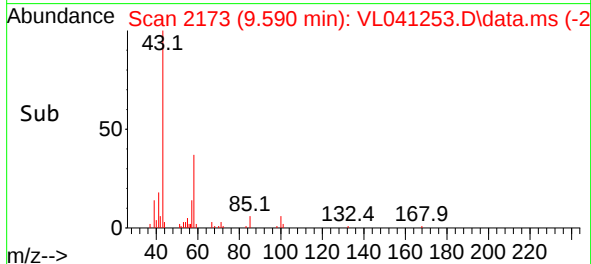
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 43 Resp: 53820
Ion Ratio Lower Upper
43 100
58 42.8 38.4 57.6
98 0.6 0.0 0.0

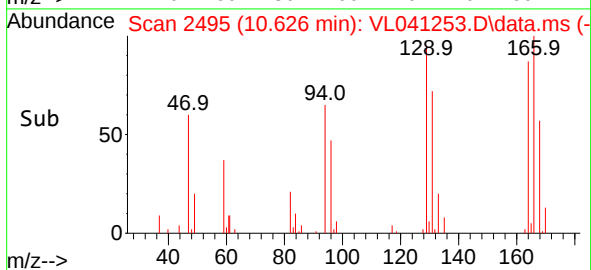
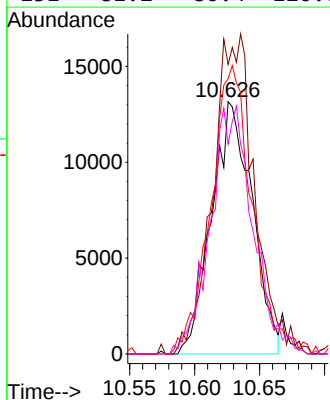
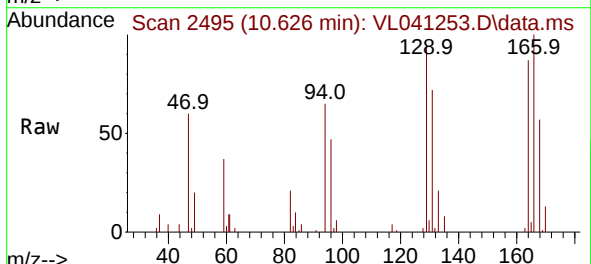
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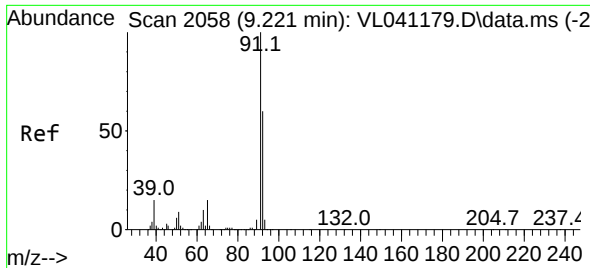
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#52
Tetrachloroethene
Concen: 0.476 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

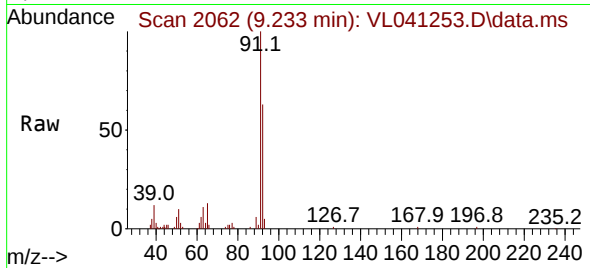
Tgt Ion:164 Resp: 28734
Ion Ratio Lower Upper
164 100
166 112.1 101.1 151.7
129 102.7 81.7 122.5
131 81.2 80.4 120.6





#53
Toluene
Concen: 0.422 ppbv m
RT: 9.233 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

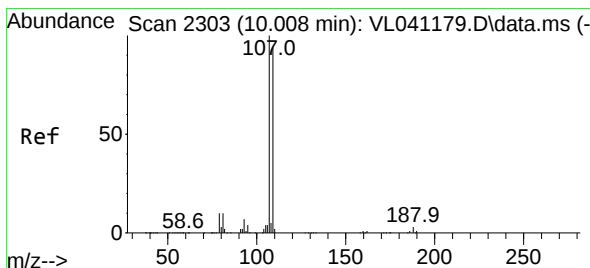
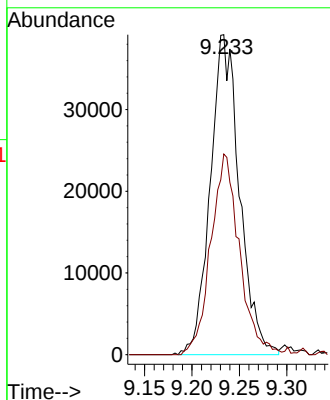
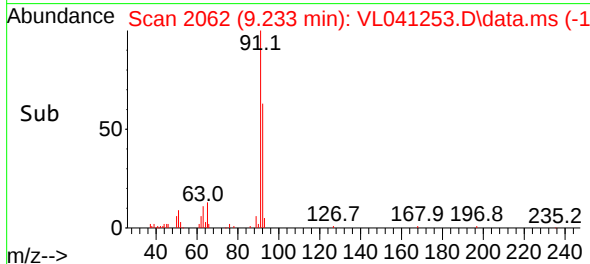
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 91 Resp: 83929
Ion Ratio Lower Upper
91 100
92 61.9 48.2 72.4

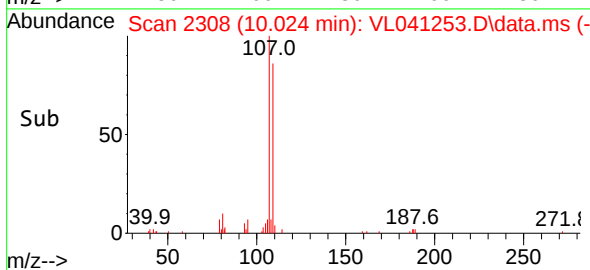
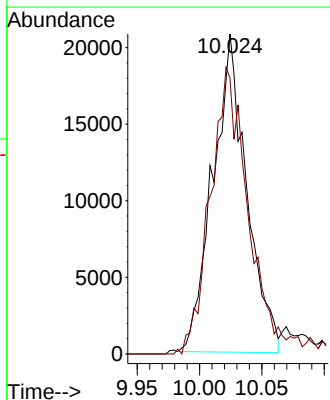
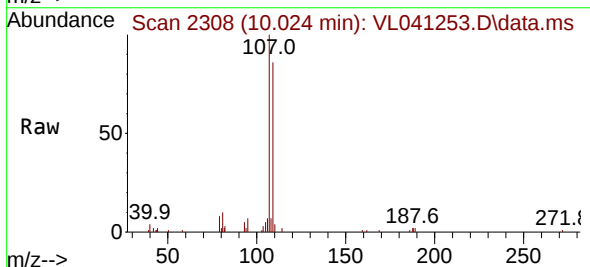
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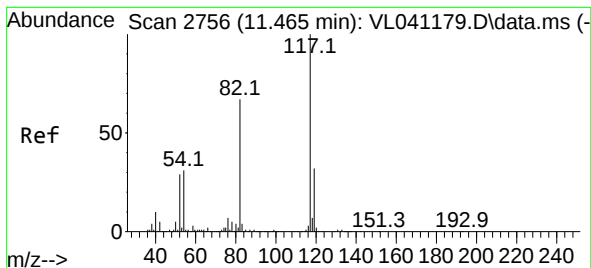
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#54
1,2-Dibromoethane
Concen: 0.436 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion:107 Resp: 39065
Ion Ratio Lower Upper
107 100
109 85.3 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 2756

Delta R.T. -0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion:117 Resp: 188619

Ion Ratio Lower Upper

117 100

82 64.9 53.6 80.4

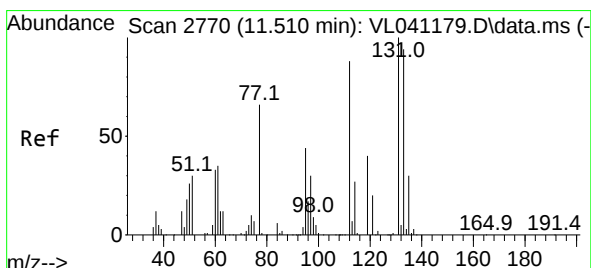
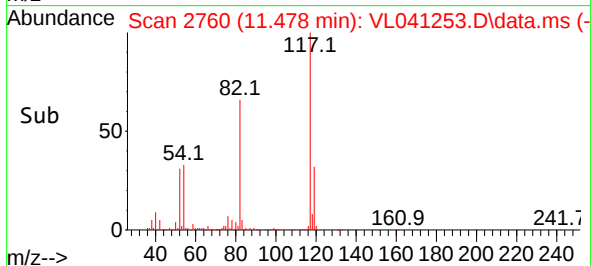
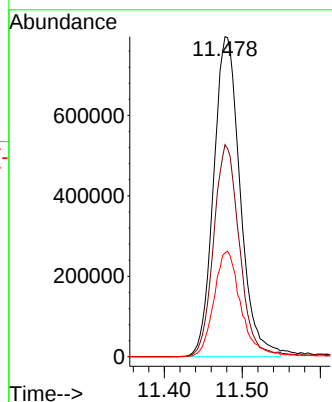
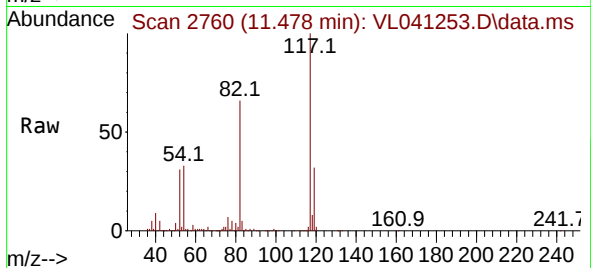
119 34.0 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 0.490 ppbv

RT: 11.520 min Scan# 2773

Delta R.T. -0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

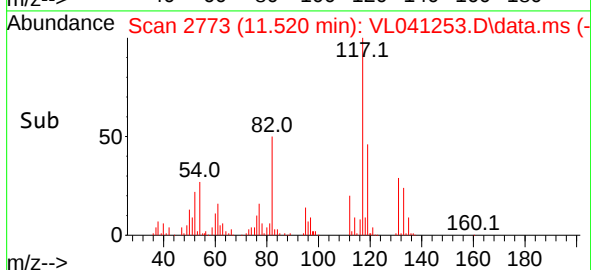
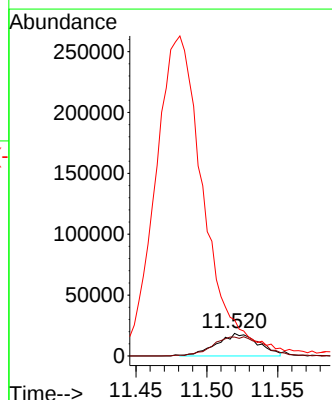
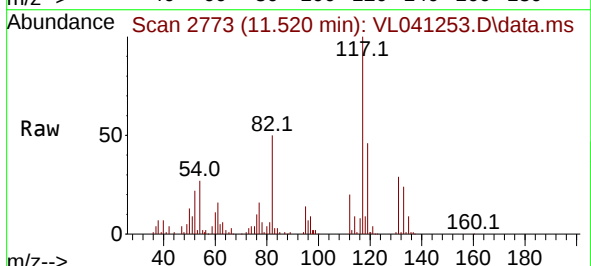
Tgt Ion:131 Resp: 37481

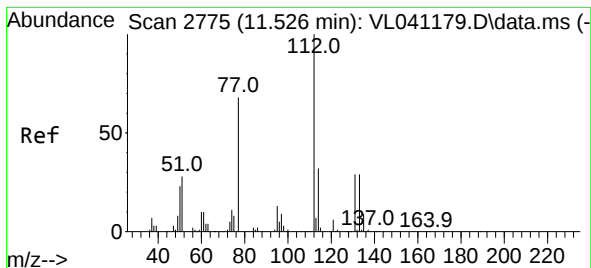
Ion Ratio Lower Upper

131 100

133 104.5 76.3 114.5

119 1710.4 49.4 74.2#





#57

Chlorobenzene

Concen: 0.521 ppbv

RT: 11.539 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

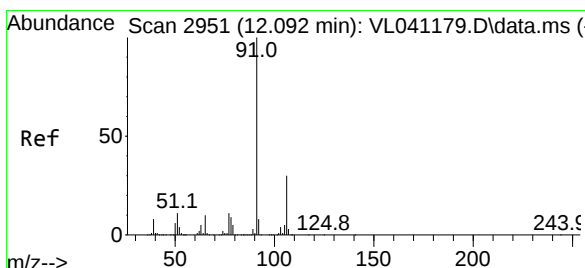
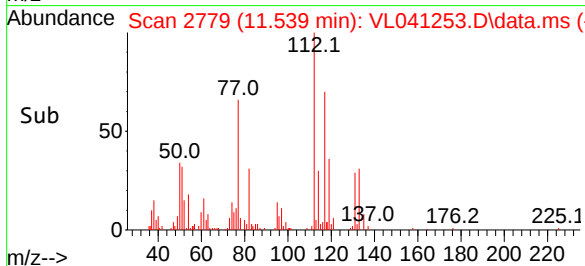
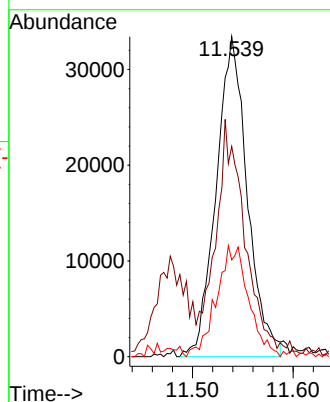
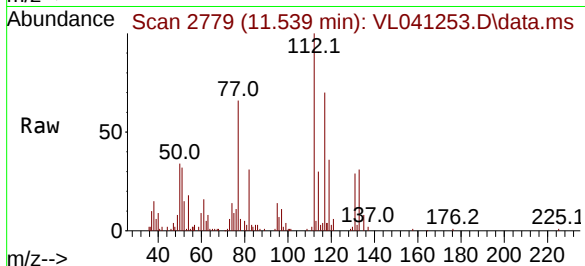
MDL-AIR-03-QT2-2024

Tgt Ion:	112	Resp:	7202
Ion Ratio	Lower	Upper	
112	100		
77	61.3	54.9	82.3
114	30.2	28.7	35.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#58

Ethyl Benzene

Concen: 0.441 ppbv

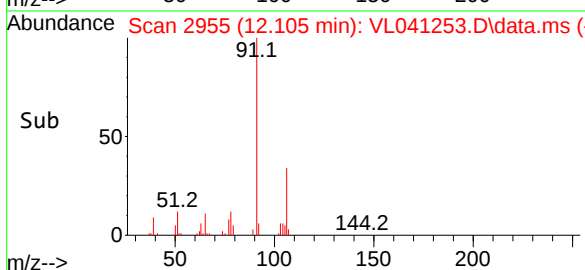
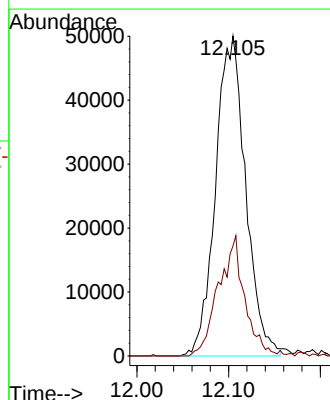
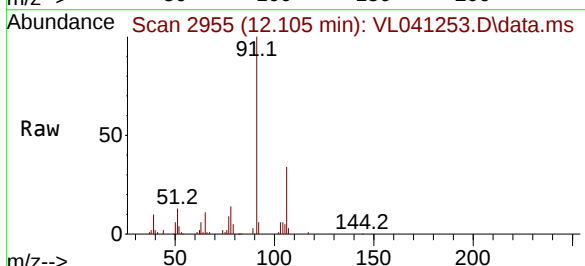
RT: 12.105 min Scan# 2955

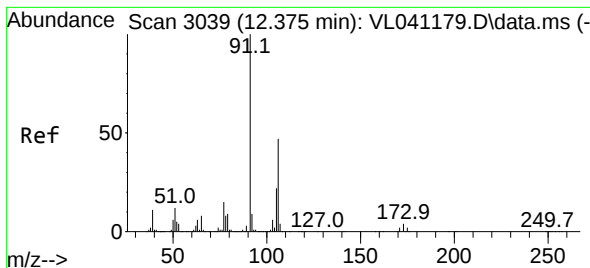
Delta R.T. 0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion:	91	Resp:	114105
Ion Ratio	Lower	Upper	
91	100		
106	34.4	24.3	36.5





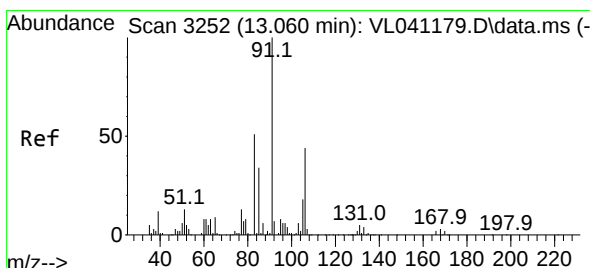
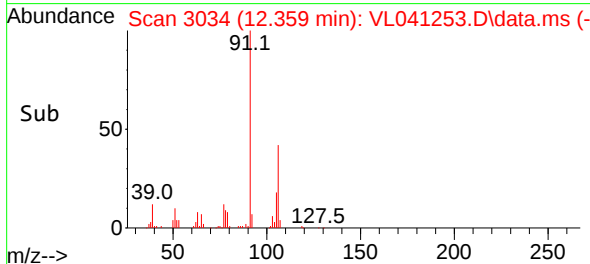
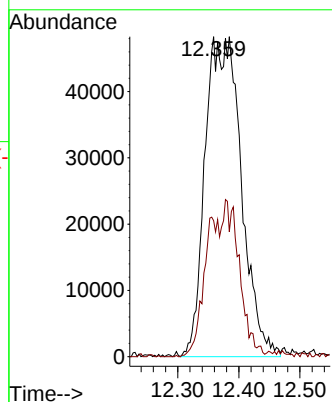
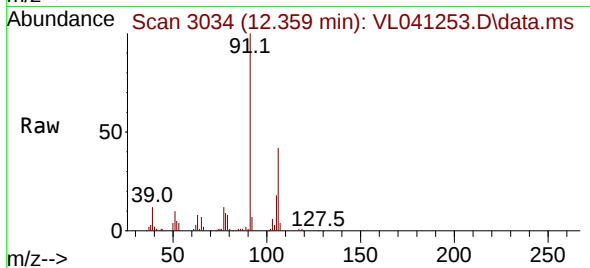
#59
m/p-Xylene
Concen: 0.914 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.026 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024

Tgt Ion: 91 Resp: 19863
Ion Ratio Lower Upper
91 100
106 43.9 35.7 53.5

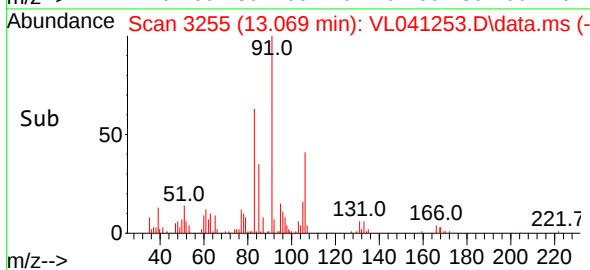
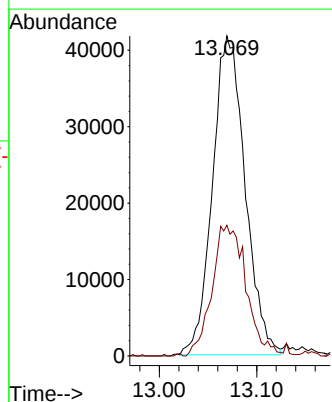
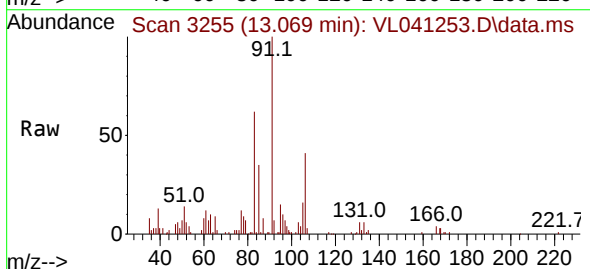
Manual Integrations
APPROVED

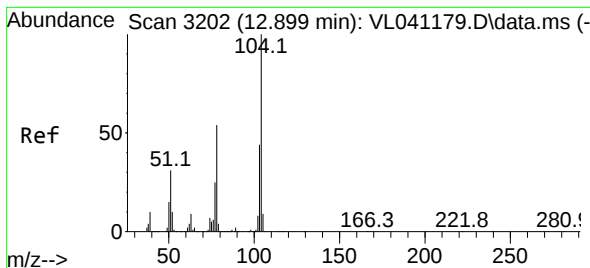
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#60
o-Xylene
Concen: 0.476 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion: 91 Resp: 96953
Ion Ratio Lower Upper
91 100
106 43.4 22.4 67.3





#61

Styrene

Concen: 0.393 ppbv m

RT: 12.918 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

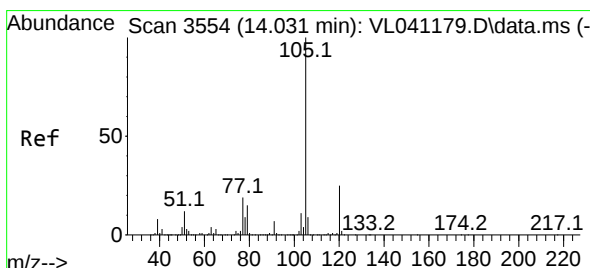
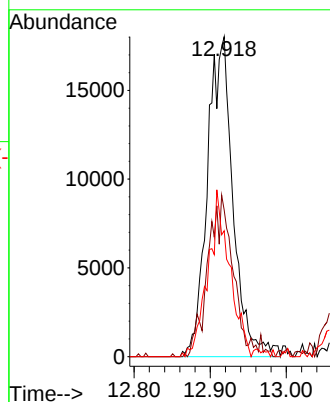
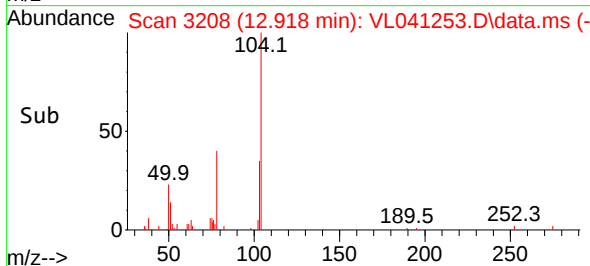
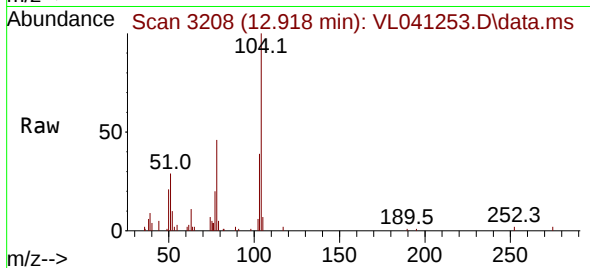
MDL-AIR-03-QT2-2024

Tgt Ion:104 Resp: 42293
 Ion Ratio Lower Upper
 104 100
 78 0.0 42.6 63.8
 103 44.5 38.4 57.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#62

Isopropylbenzene

Concen: 0.475 ppbv

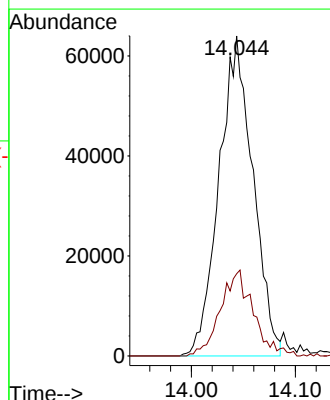
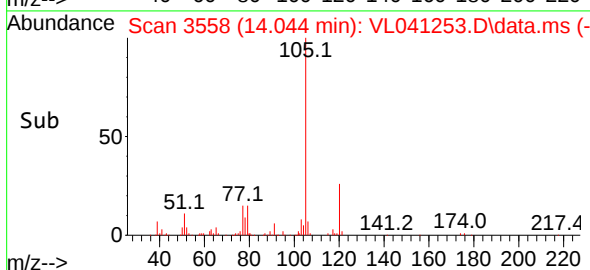
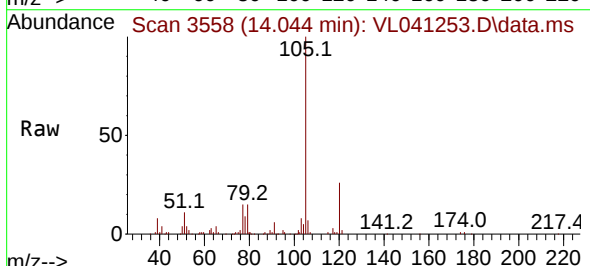
RT: 14.044 min Scan# 3558

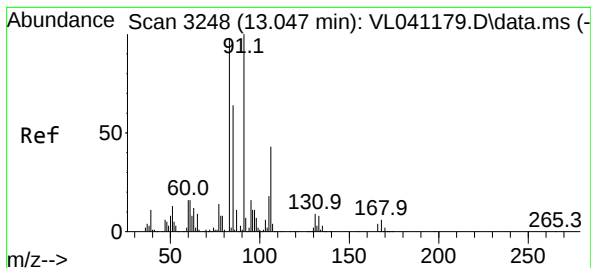
Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion:105 Resp: 144680
 Ion Ratio Lower Upper
 105 100
 120 26.1 20.2 30.2





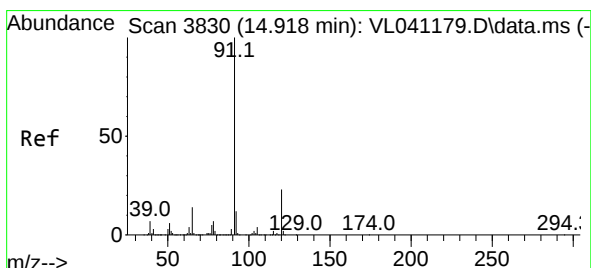
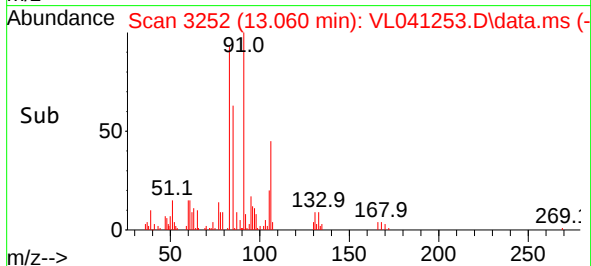
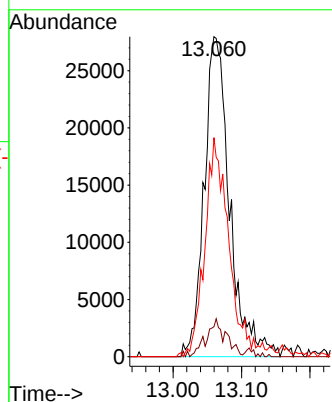
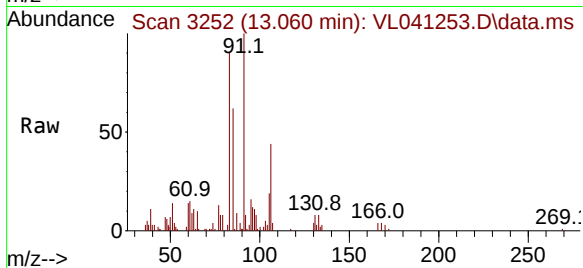
#63
1,1,2,2-Tetrachloroethane
Concen: 0.520 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024

Tgt Ion: 83 Resp: 7228
Ion Ratio Lower Upper
83 100
131 10.3 4.5 13.5
85 67.4 32.7 98.1

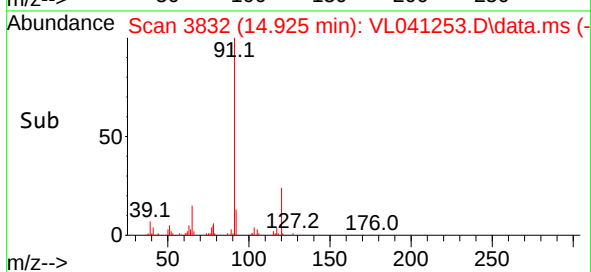
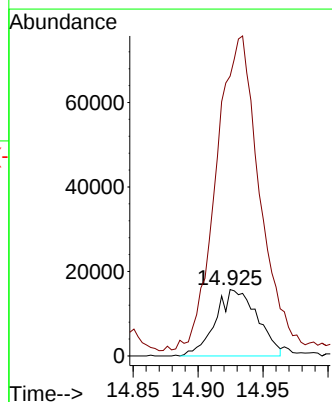
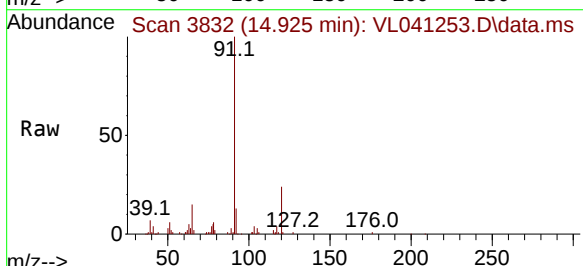
Manual Integrations
APPROVED

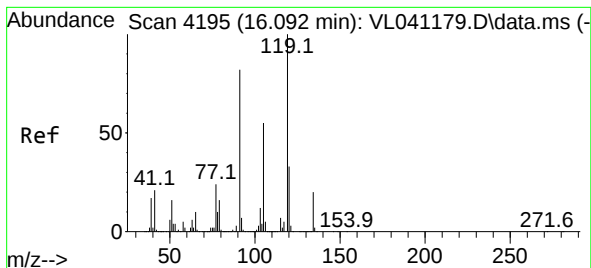
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#64
n-propylbenzene
Concen: 0.463 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.006 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion:120 Resp: 35177
Ion Ratio Lower Upper
120 100
91 522.1 384.8 577.2





#65

tert-Butylbenzene

Concen: 0.465 ppbv

RT: 16.108 min Scan# 4195

Delta R.T. 0.007 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion:119 Resp: 12686

Ion Ratio Lower Upper

119 100

91 89.9 67.0 100.4

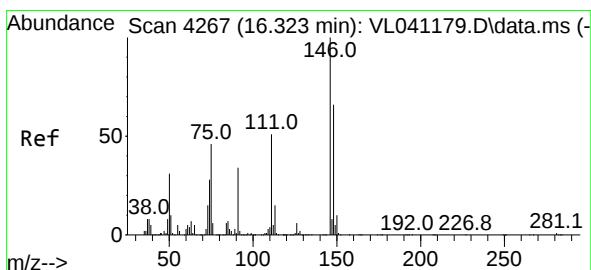
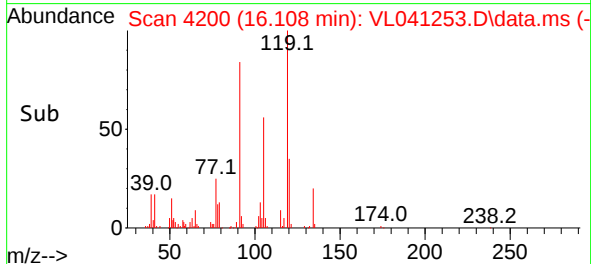
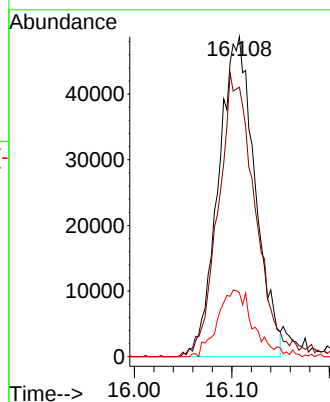
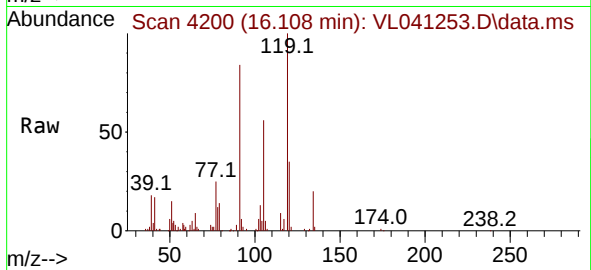
134 20.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#66

Benzyl Chloride

Concen: 0.210 ppbv m

RT: 16.346 min Scan# 4274

Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

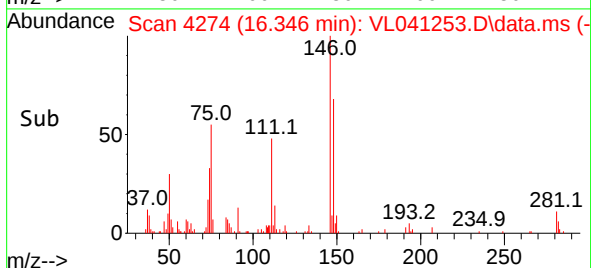
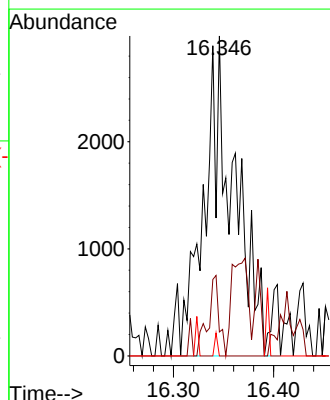
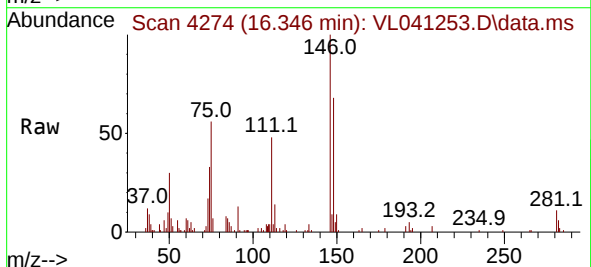
Tgt Ion: 91 Resp: 6474

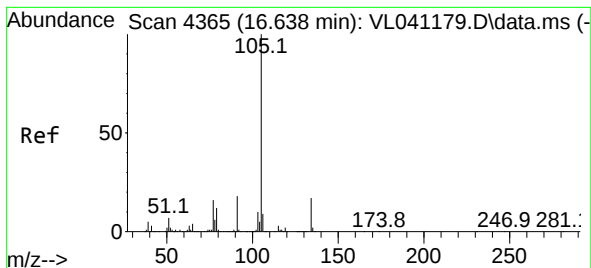
Ion Ratio Lower Upper

91 100

126 0.0 14.6 21.8#

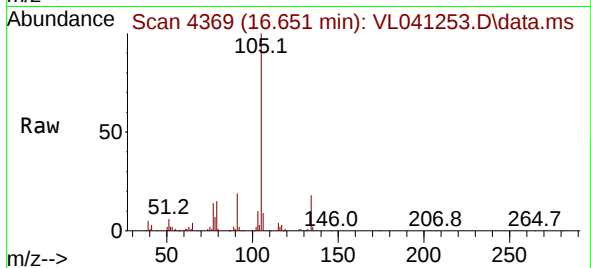
128 0.0 4.7 7.1#





#67
 sec-Butylbenzene
 Concen: 0.469 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

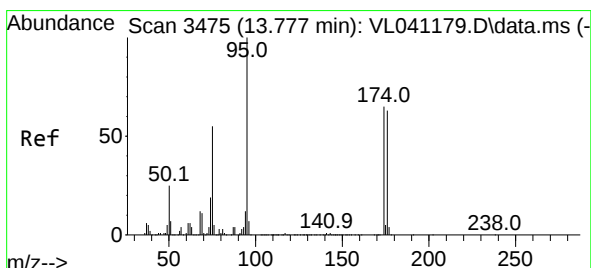
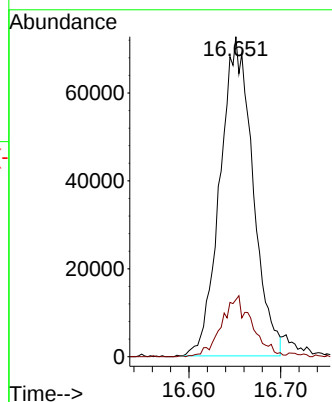
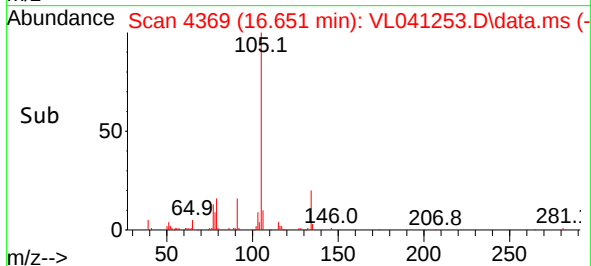
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion:105 Resp: 180409
 Ion Ratio Lower Upper
 105 100
 134 18.3 13.8 20.8

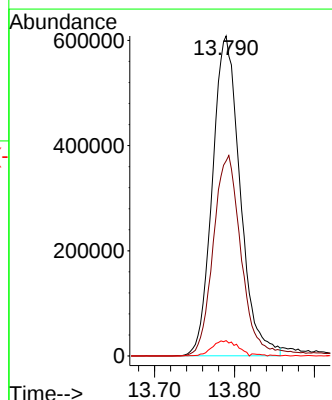
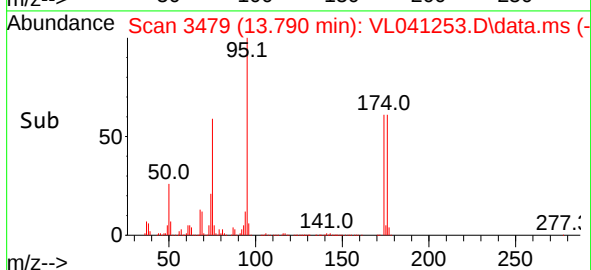
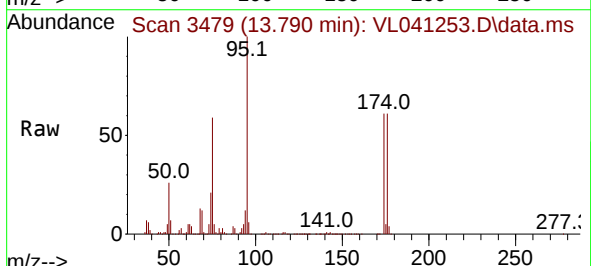
Manual Integrations
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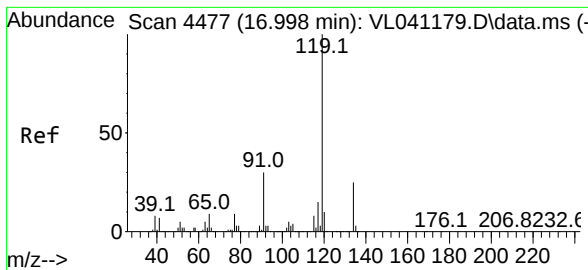
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.279 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL041253.D
 Acq: 9 May 2024 11:28

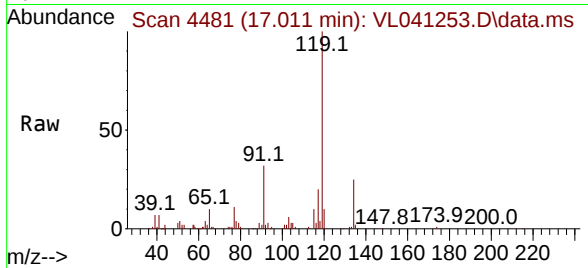
Tgt Ion: 95 Resp: 1463725
 Ion Ratio Lower Upper
 95 100
 174 65.5 53.6 80.4
 175 4.7 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.457 ppbv m
RT: 17.011 min Scan# 4477
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

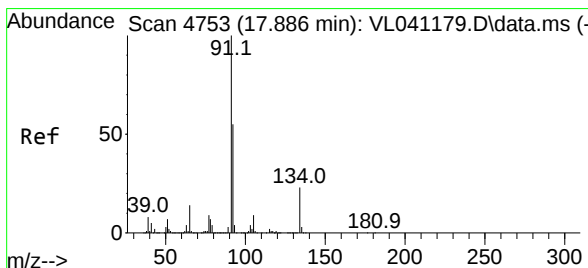
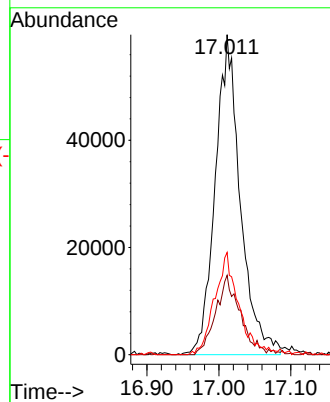
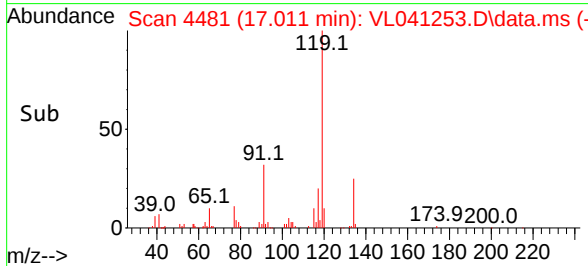
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 119 Resp: 144802
Ion Ratio Lower Upper
119 100
134 0.0 20.1 30.1
91 0.0 24.2 36.2

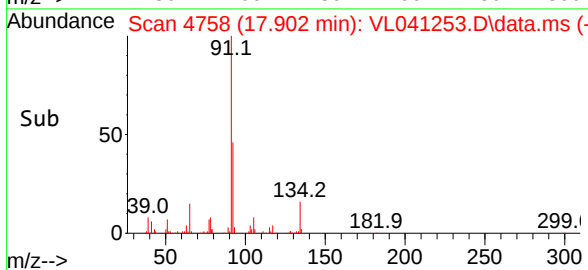
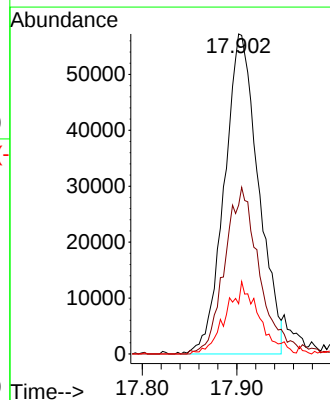
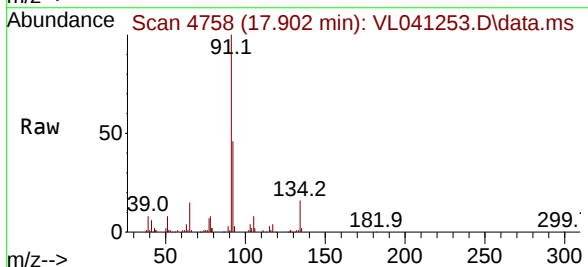
Manual Integrations
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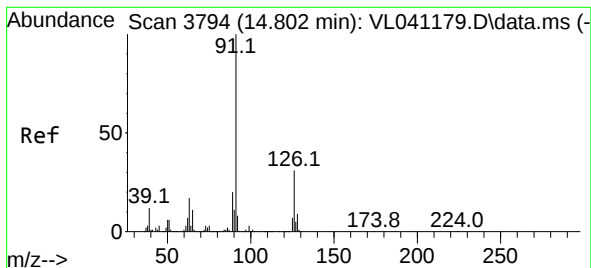
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#70
n-Butylbenzene
Concen: 0.433 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion: 91 Resp: 143240
Ion Ratio Lower Upper
91 100
92 54.4 43.3 64.9
134 22.5 17.8 26.8





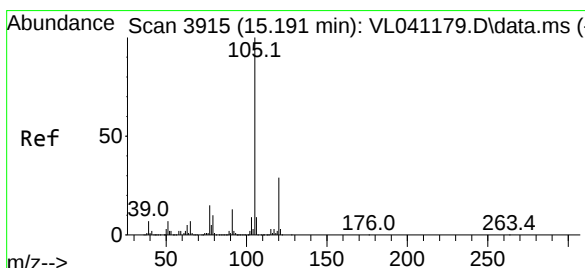
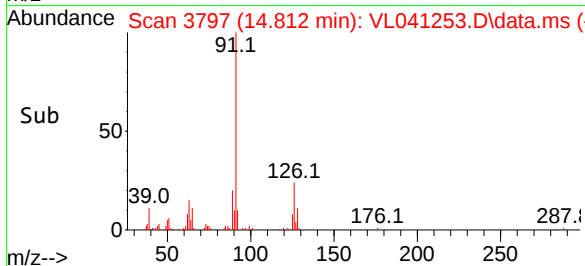
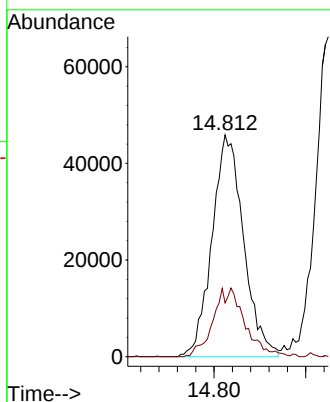
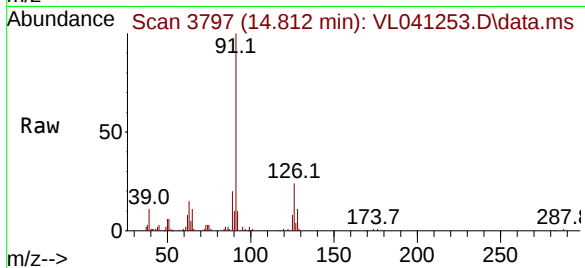
#71
2-Chlorotoluene
Concen: 0.473 ppbv
RT: 14.812 min Scan# 3794
Delta R.T. 0.000 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024

Tgt Ion: 91 Resp: 109810
Ion Ratio Lower Upper
91 100
126 31.3 12.2 48.8

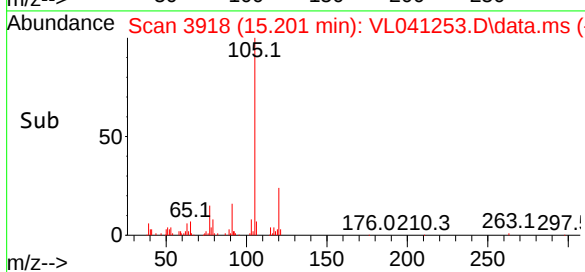
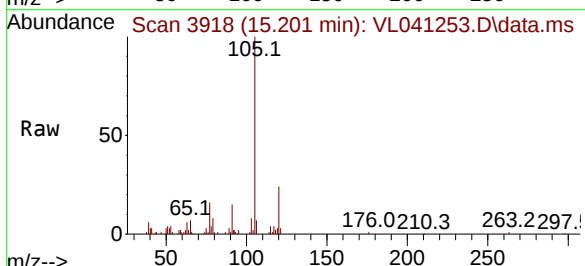
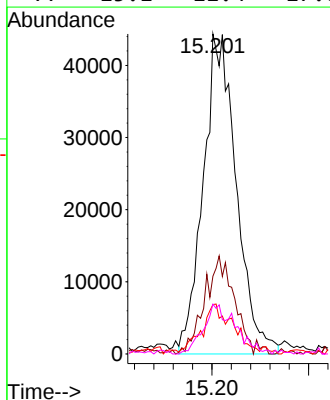
Manual Integrations
APPROVED

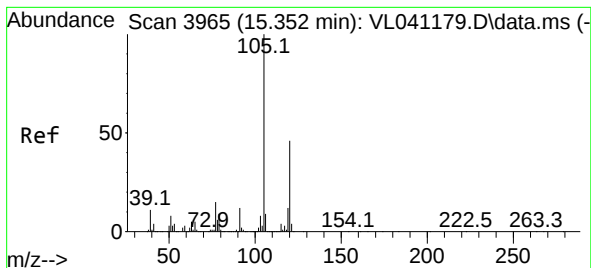
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#72
4-Ethyltoluene
Concen: 0.457 ppbv m
RT: 15.201 min Scan# 3918
Delta R.T. -0.006 min
Lab File: VL041253.D
Acq: 9 May 2024 11:28

Tgt Ion:105 Resp: 105411
Ion Ratio Lower Upper
105 100
120 0.0 24.7 37.1#
91 0.0 10.3 15.5#
77 15.1 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.470 ppbv m

RT: 15.362 min Scan# 3965

Delta R.T. -0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion:105 Resp: 98069

Ion Ratio Lower Upper

105 100

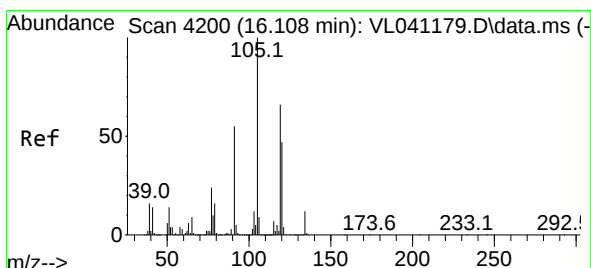
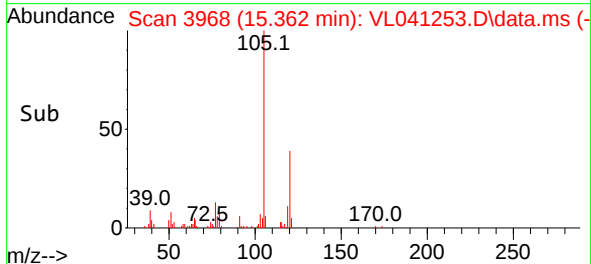
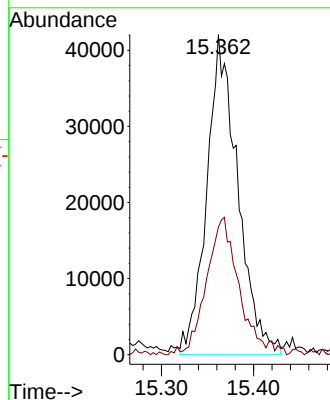
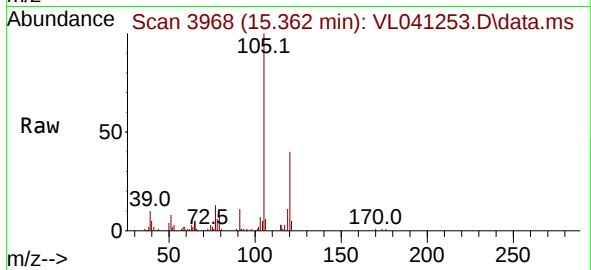
120 39.9 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.465 ppbv m

RT: 16.121 min Scan# 4204

Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion:105 Resp: 106129

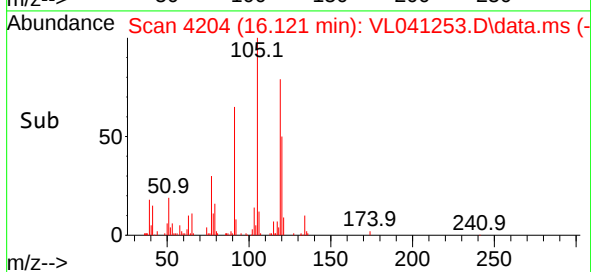
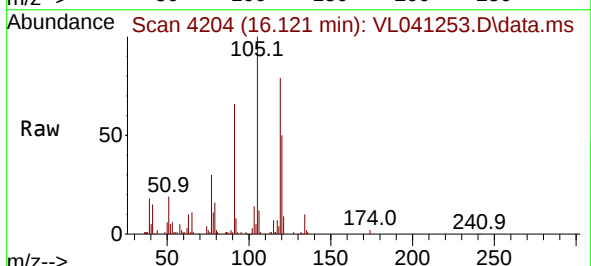
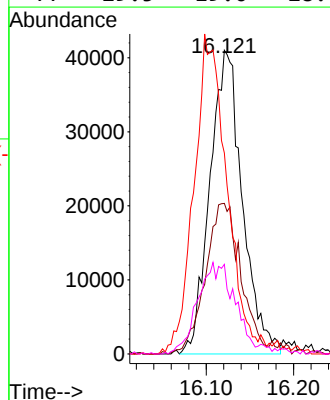
Ion Ratio Lower Upper

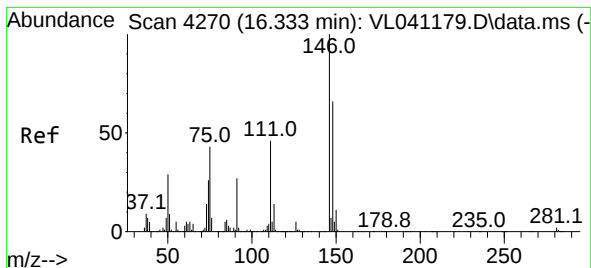
105 100

120 49.6 37.8 56.6

91 66.2 44.3 66.5

77 29.5 19.0 28.4#





#75

1,3-Dichlorobenzene

Concen: 0.485 ppbv m

RT: 16.349 min Scan# 4318

Delta R.T. 0.007 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

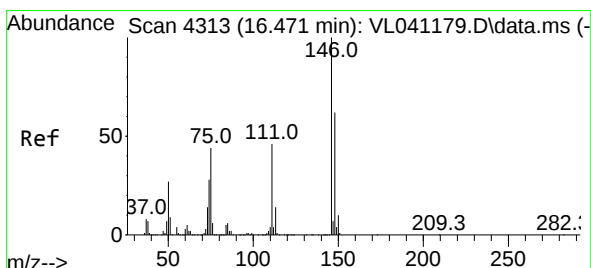
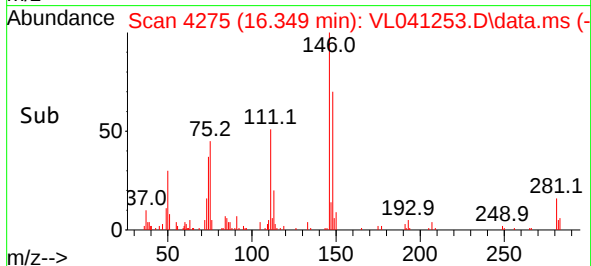
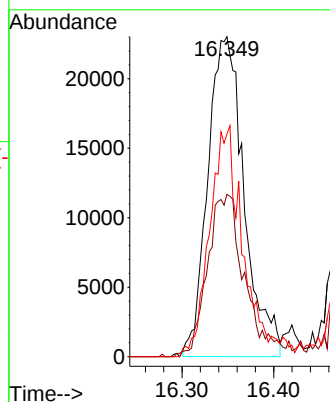
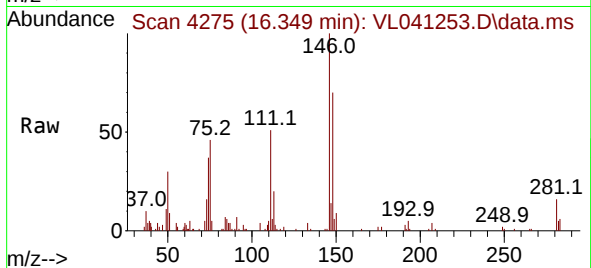
MDL-AIR-03-QT2-2024

Tgt Ion:	146	Resp:	63419
Ion Ratio	Lower	Upper	
146	100		
111	53.0	23.7	71.1
148	66.4	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#76

1,4-Dichlorobenzene

Concen: 0.472 ppbv

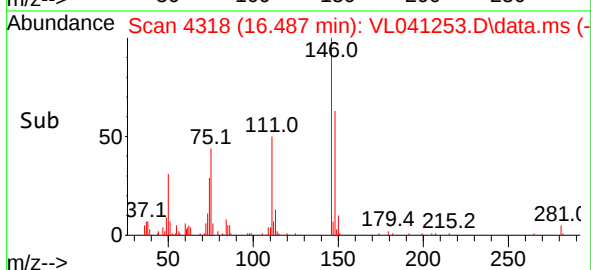
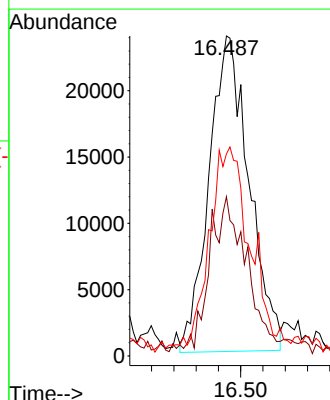
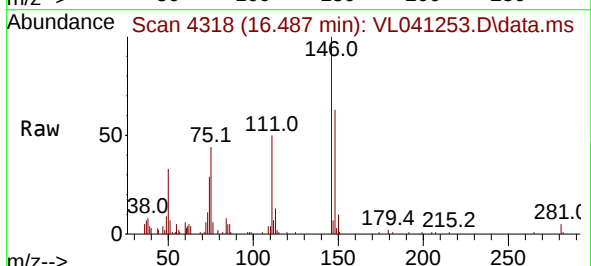
RT: 16.487 min Scan# 4318

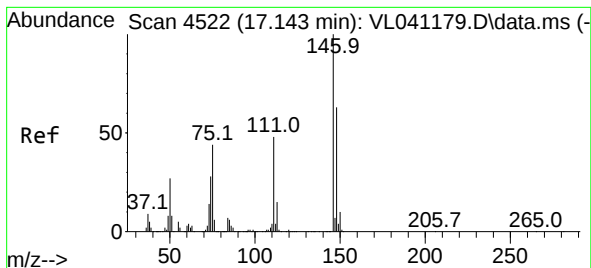
Delta R.T. 0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion:	146	Resp:	59423
Ion Ratio	Lower	Upper	
146	100		
111	53.8	23.3	69.8
148	70.7	32.6	97.7





#77

1,2-Dichlorobenzene

Concen: 0.493 ppbv m

RT: 17.159 min Scan# 4522

Delta R.T. 0.000 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

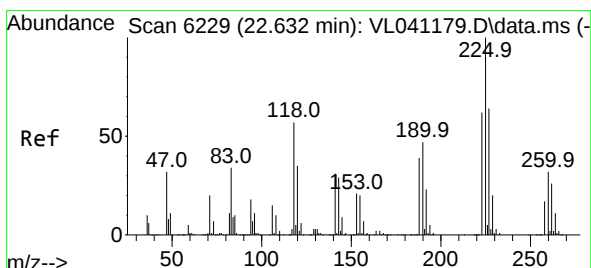
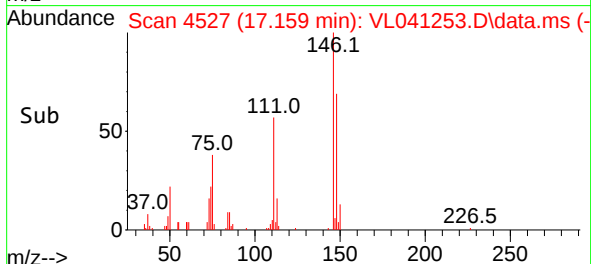
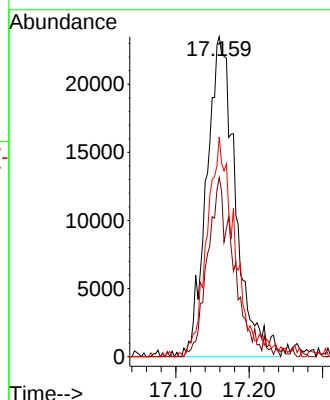
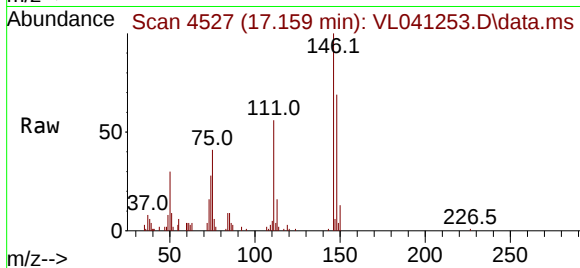
MDL-AIR-03-QT2-2024

Tgt Ion:	146	Resp:	64504
Ion Ratio	Lower	Upper	
146	100		
111	51.1	24.5	73.5
148	68.8	32.6	98.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.477 ppbv m

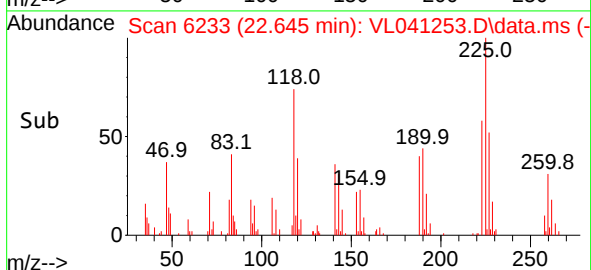
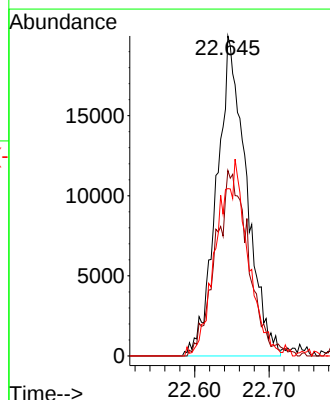
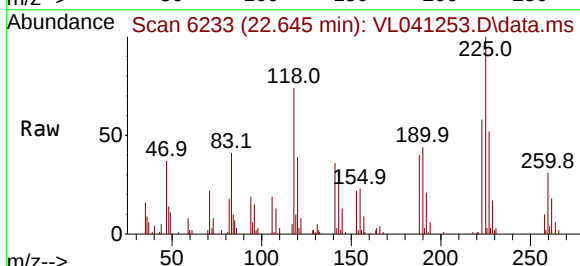
RT: 22.645 min Scan# 6233

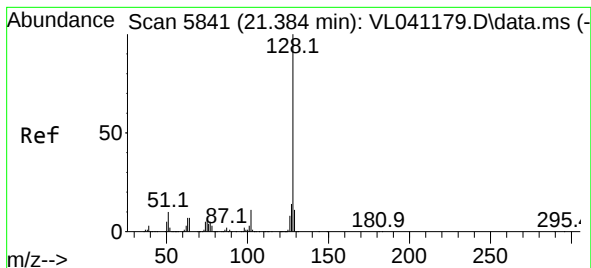
Delta R.T. -0.003 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion:	225	Resp:	55367
Ion Ratio	Lower	Upper	
225	100		
223	65.0	50.9	76.3
227	65.2	52.0	78.0





#79

Naphthalene

Concen: 0.304 ppbv m

RT: 21.410 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

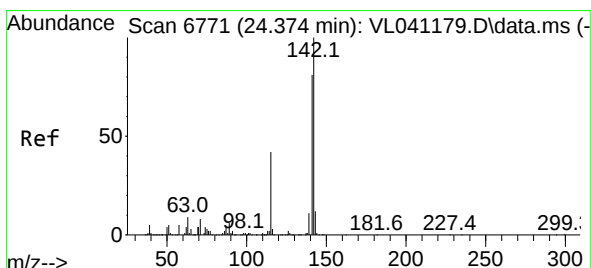
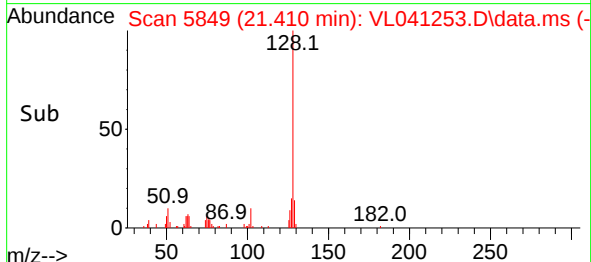
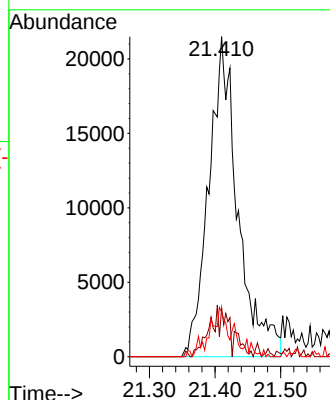
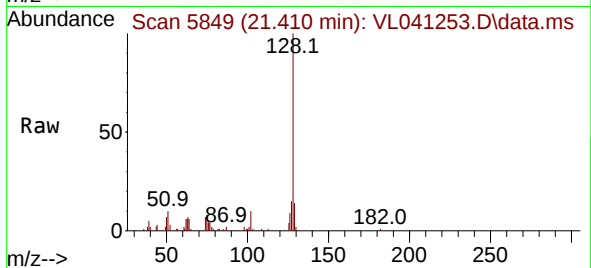
Tgt Ion:128	Resp: 65970
Ion Ratio	Lower Upper
128 100	
127 15.2	10.8 16.2
129 13.9	8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#80

Naphthalene,2-methyl-

Concen: 0.131 ppbv m

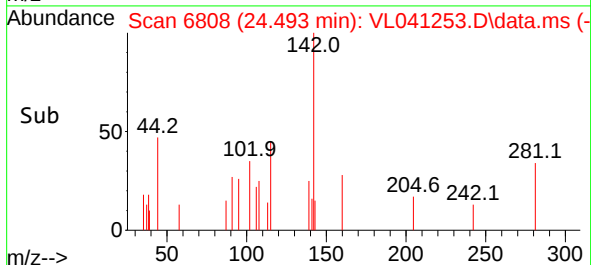
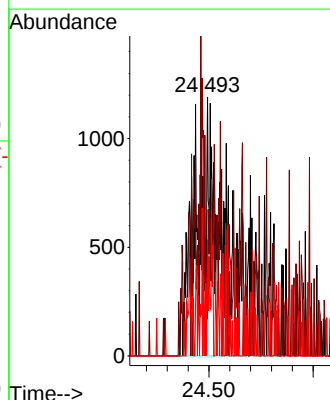
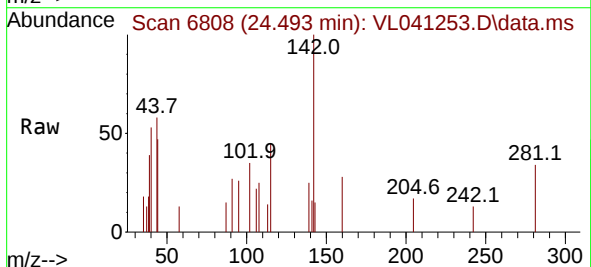
RT: 24.493 min Scan# 6808

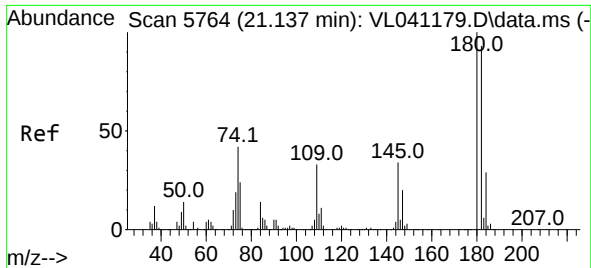
Delta R.T. 0.106 min

Lab File: VL041253.D

Acq: 9 May 2024 11:28

Tgt Ion:142	Resp: 11472
Ion Ratio	Lower Upper
142 100	
141 15.2	67.9 101.9#
115 6.7	31.4 47.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.335 ppbv m

RT: 21.162 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL041253.D

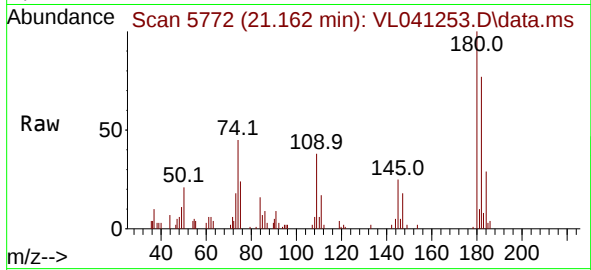
Acq: 9 May 2024 11:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024



Tgt Ion:	180	Resp:	3842
Ion	Ratio	Lower	Upper
180	100		
182	102.9	77.2	115.8
184	31.3	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

