

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041254.D
 Acq On : 9 May 2024 12:07
 Operator : SY/MD
 Sample : P2403-15 MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: May 10 01:26:06 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	746047	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2055920	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1891052	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1447270	10.137	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.754	85	63797	0.632	ppbv	99
3) Chlorodifluoromethane	2.700	51	55424	0.489	ppbv	98
4) Chloromethane	2.835	50	21587	0.486	ppbv #	85
5) Vinyl Chloride	2.941	62	19006	0.426	ppbv	94
6) Bromomethane	3.140	94	8542m	0.524	ppbv	
7) Chloroethane	3.217	64	7681m	0.487	ppbv	
8) Dichlorotetrafluoroethane	2.880	85	47577	0.455	ppbv	95
9) Propene	2.716	41	21095	0.476	ppbv	97
10) Heptane	7.593	43	44431m	0.414	ppbv	
11) Trichlorofluoromethane	3.584	101	49669	0.484	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.086	101	36157	0.477	ppbv	93
13) Ethanol	3.282	45	4728m	0.476	ppbv	
14) Bromoethene	3.388	108	13242	0.423	ppbv #	89
15) Acetone	3.507	43	45307	0.515	ppbv #	88
16) 1,3-Butadiene	3.005	39	19194m	0.432	ppbv	
17) tert-Butyl alcohol	3.915	59	33333m	0.351	ppbv	
18) 1,1-Dichloroethene	3.902	96	16625m	0.492	ppbv	
19) Isopropyl Alcohol	3.626	45	23141m	0.401	ppbv	
20) Methylene Chloride	3.954	84	16337	0.534	ppbv #	81
21) Allyl Chloride	4.018	41	23273m	0.405	ppbv	
22) trans-1,2-Dichloroethene	4.471	96	15758	0.448	ppbv #	74
23) Vinyl Acetate	4.651	43	36702m	0.379	ppbv	
24) 1,1-Dichloroethane	4.584	63	32417	0.430	ppbv #	94
25) Ethyl Acetate	5.230	43	72347m	0.412	ppbv	
26) Hexane	5.233	57	32119m	0.410	ppbv	
27) Carbon Disulfide	4.147	76	36211	0.390	ppbv #	71
28) Methyl tert-Butyl Ether	4.623	73	25176m	0.403	ppbv	
29) Chloroform	5.295	83	53592	0.495	ppbv	87
30) Cyclohexane	6.619	84	28045m	0.452	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	29191	0.398	ppbv	94
32) 1,1,1-Trichloroethane	6.024	97	47334m	0.438	ppbv	
34) 2-Butanone	4.819	43	40234m	0.384	ppbv	
35) Carbon Tetrachloride	6.510	117	47371m	0.411	ppbv	
36) Benzene	6.388	78	67652	0.392	ppbv	95
37) 1,2-Dichloroethane	5.828	62	41046m	0.456	ppbv	
38) Trichloroethene	7.304	130	26488	0.412	ppbv	97
39) 1,2-Dichloropropane	7.089	63	27428m	0.413	ppbv	
40) 1,4-Dioxane	7.346	88	8620m	0.363	ppbv	
41) Tetrahydrofuran	5.600	42	27419m	0.362	ppbv	
42) Bromodichloromethane	7.266	83	51056	0.395	ppbv #	86
43) Methyl Methacrylate	7.497	69	23684	0.339	ppbv	99
44) 2,2,4-Trimethylpentane	7.339	57	105748	0.355	ppbv	92
45) t-1,3-Dichloropropene	8.722	75	12979m	0.257	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 01:26:06 2024

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

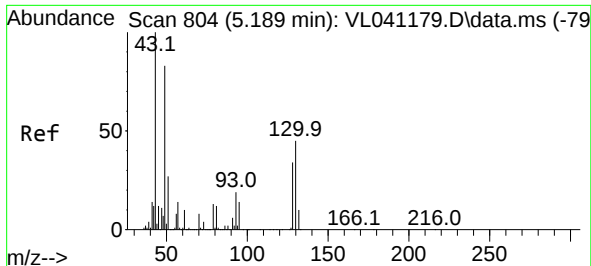
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

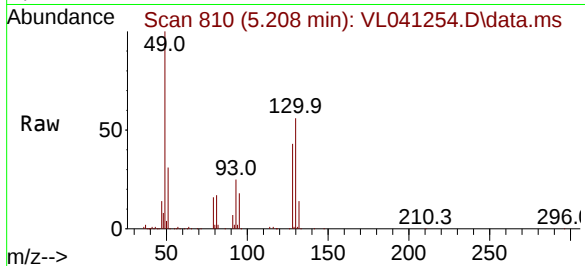
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	21596m	0.349	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	30639m	0.460	ppbv	
48) Dibromochloromethane	9.728	129	40647	0.383	ppbv	96
49) Bromoform	12.420	173	29955m	0.332	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	73281m	0.390	ppbv	
51) 2-Hexanone	9.590	43	49414m	0.355	ppbv	
52) Tetrachloroethene	10.629	164	25058	0.413	ppbv	93
53) Toluene	9.237	91	72204	0.361	ppbv	96
54) 1,2-Dibromoethane	10.024	107	34293	0.380	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.523	131	34177m	0.446	ppbv	
57) Chlorobenzene	11.539	112	59154	0.427	ppbv #	97
58) Ethyl Benzene	12.101	91	94793	0.366	ppbv	98
59) m/p-Xylene	12.381	91	170653m	0.783	ppbv	
60) o-Xylene	13.072	91	82411m	0.403	ppbv	
61) Styrene	12.912	104	34332m	0.318	ppbv	
62) Isopropylbenzene	14.040	105	124979	0.409	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.060	83	63985m	0.460	ppbv	
64) n-propylbenzene	14.934	120	32067m	0.421	ppbv	
65) tert-Butylbenzene	16.098	119	112512m	0.411	ppbv	
66) Benzyl Chloride	16.355	91	6045m	0.195	ppbv	
67) sec-Butylbenzene	16.651	105	158060m	0.410	ppbv	
69) p-Isopropyltoluene	17.008	119	124379m	0.392	ppbv	
70) n-Butylbenzene	17.902	91	119642	0.361	ppbv	99
71) 2-Chlorotoluene	14.818	91	97886m	0.421	ppbv	
72) 4-Ethyltoluene	15.211	105	94766m	0.410	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	81842m	0.391	ppbv	
74) 1,2,4-Trimethylbenzene	16.120	105	92058m	0.403	ppbv	
75) 1,3-Dichlorobenzene	16.349	146	55092m	0.420	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	53651m	0.426	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	55617m	0.424	ppbv	
78) Hexachloro-1,3-Butadiene	22.651	225	49532m	0.425	ppbv	
79) Naphthalene	21.403	128	55294m	0.254	ppbv	
80) Naphthalene,2-methyl-	24.438	142	9221m	0.105	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	33369m	0.290	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: VL041254.D
Acq: 9 May 2024 12:07

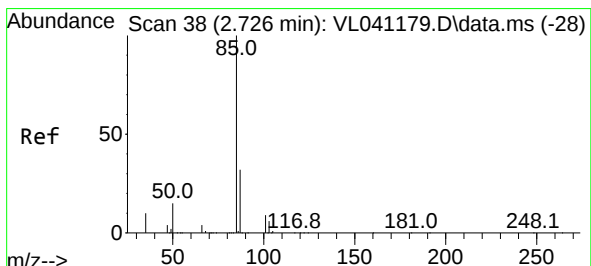
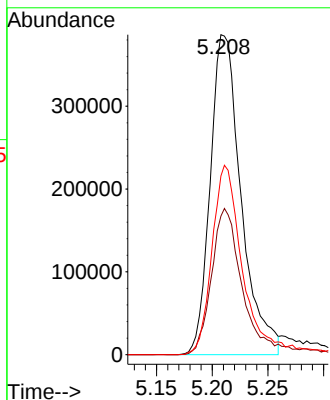
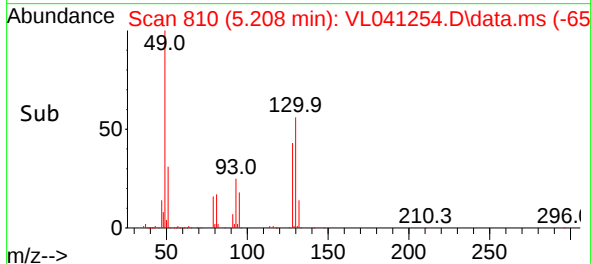
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 49 Resp: 74604
Ion Ratio Lower Upper
49 100
128 47.9 21.5 64.5
130 61.4 27.2 81.6

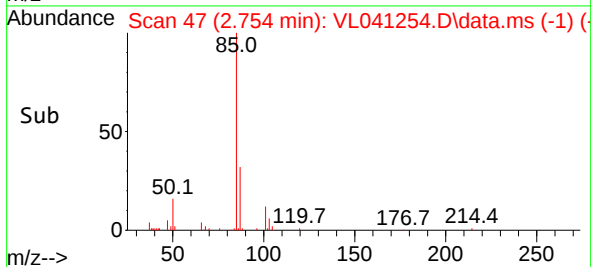
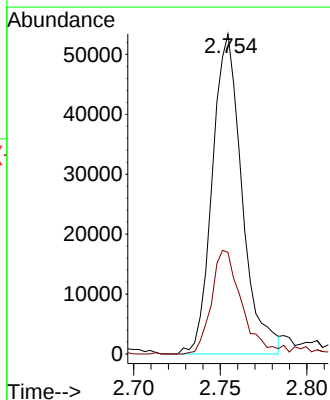
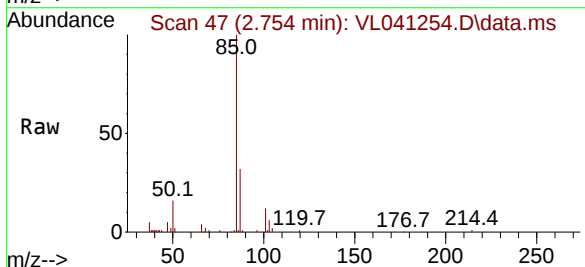
Manual Integrations
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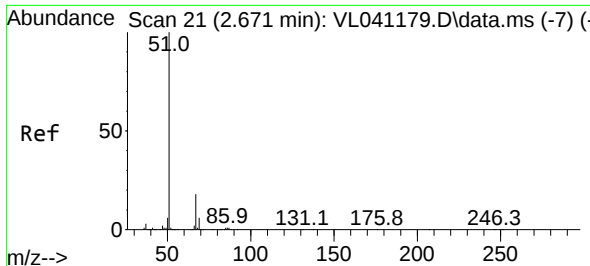
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#2
Dichlorodifluoromethane
Concen: 0.632 ppbv
RT: 2.754 min Scan# 47
Delta R.T. 0.010 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

Tgt Ion: 85 Resp: 63797
Ion Ratio Lower Upper
85 100
87 31.7 25.7 38.5





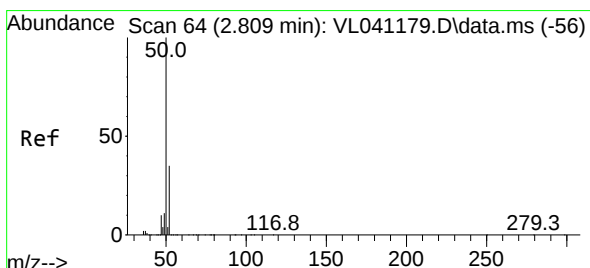
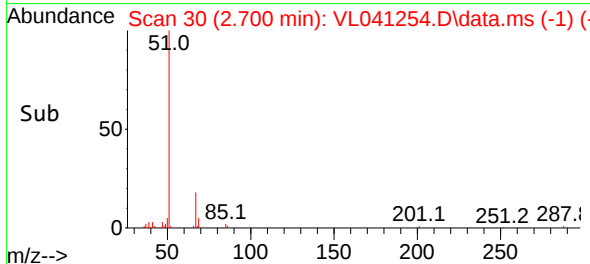
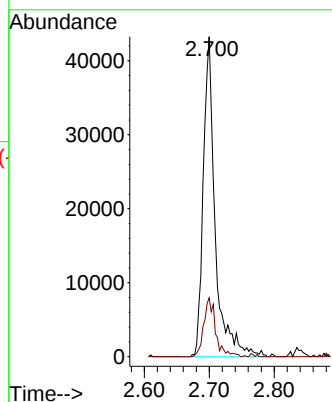
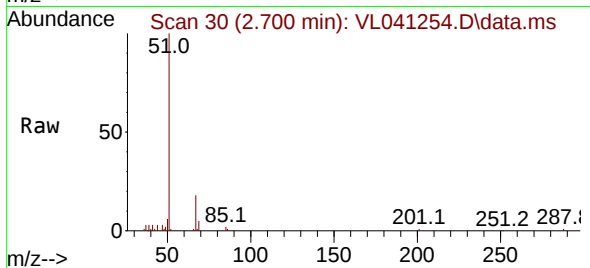
#3
Chlorodifluoromethane
Concen: 0.489 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

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

Tgt Ion: 51 Resp: 55424
Ion Ratio Lower Upper
51 100
67 18.4 14.0 21.0

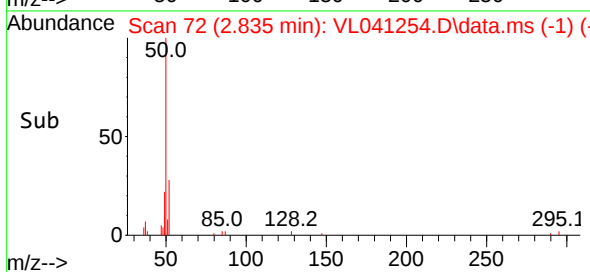
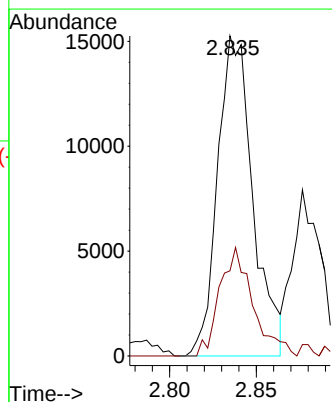
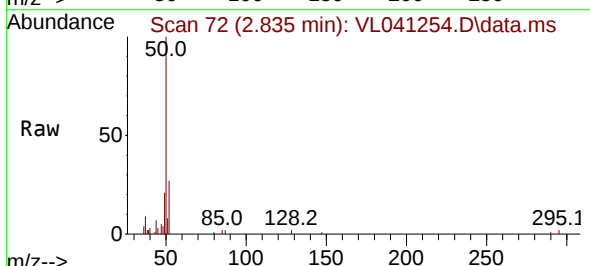
Manual Integrations
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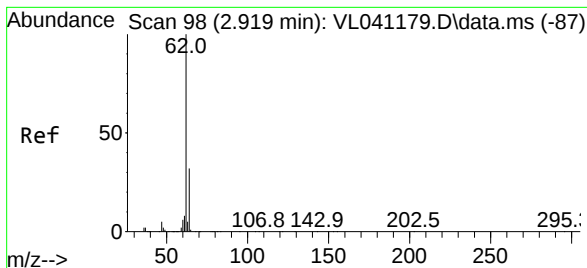
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#4
Chloromethane
Concen: 0.486 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

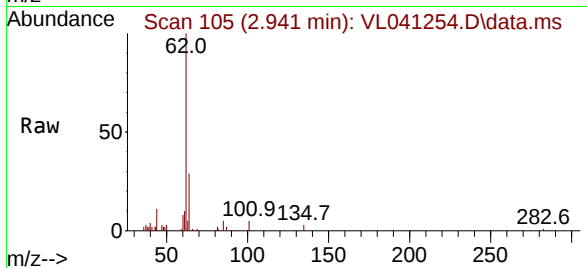
Tgt Ion: 50 Resp: 21587
Ion Ratio Lower Upper
50 100
52 26.6 28.3 42.5#





#5
 Vinyl Chloride
 Concen: 0.426 ppbv
 RT: 2.941 min Scan# 105
 Delta R.T. 0.006 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

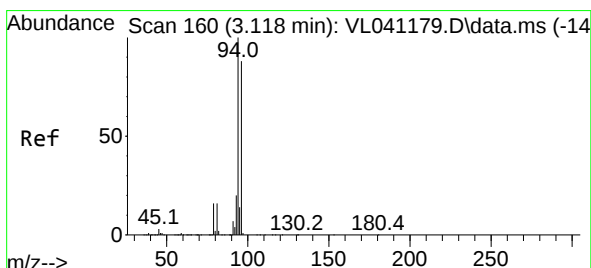
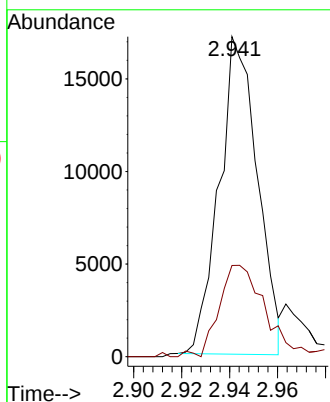
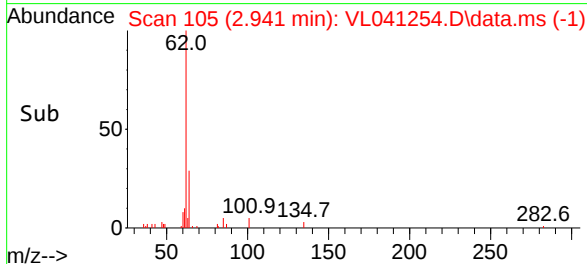
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion: 62 Resp: 19000
 Ion Ratio Lower Upper
 62 100
 64 28.8 25.7 38.5

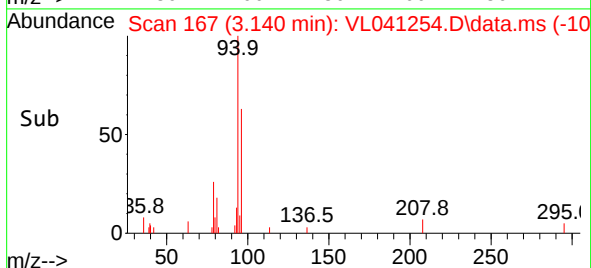
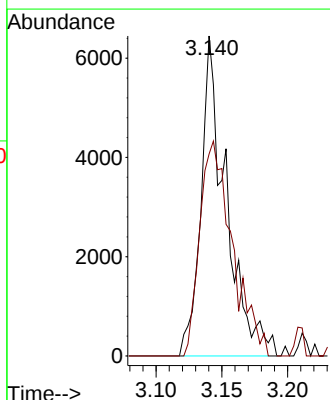
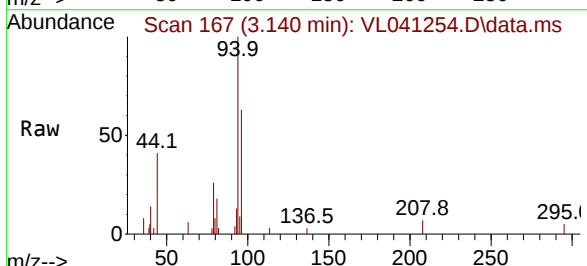
Manual Integrations
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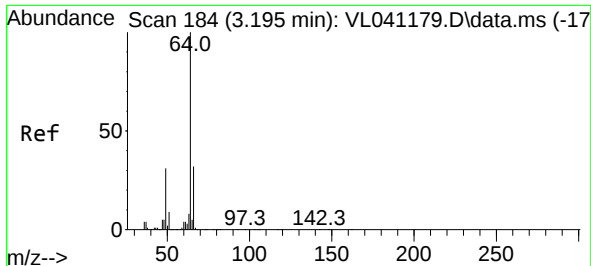
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#6
 Bromomethane
 Concen: 0.524 ppbv m
 RT: 3.140 min Scan# 167
 Delta R.T. 0.006 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

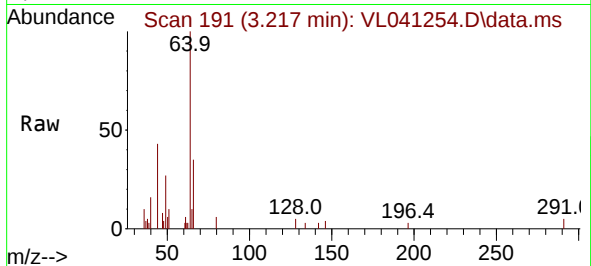
Tgt Ion: 94 Resp: 8542
 Ion Ratio Lower Upper
 94 100
 96 63.1 70.1 105.1#





#7
Chloroethane
Concen: 0.487 ppbv m
RT: 3.217 min Scan# 191
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

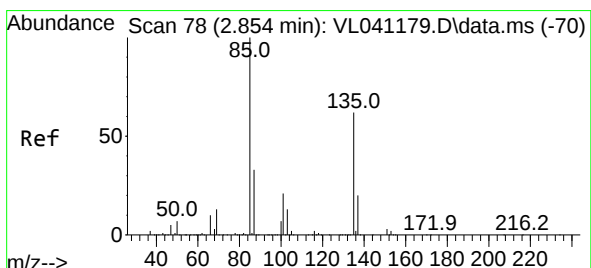
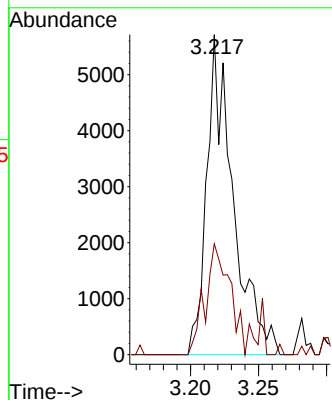
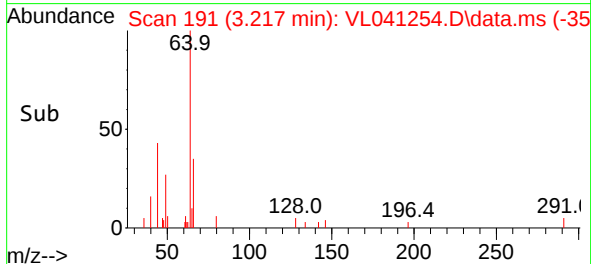
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 64 Resp: 768
Ion Ratio Lower Upper
64 100
66 34.6 25.4 38.2

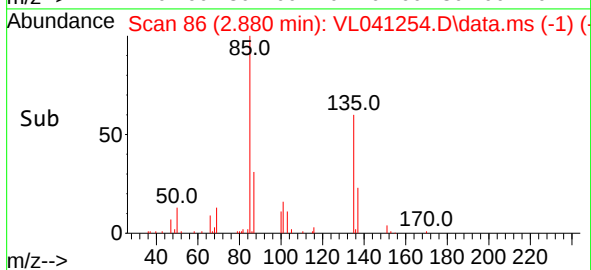
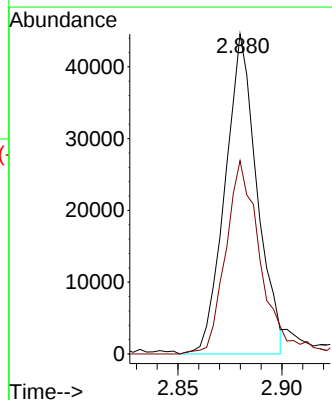
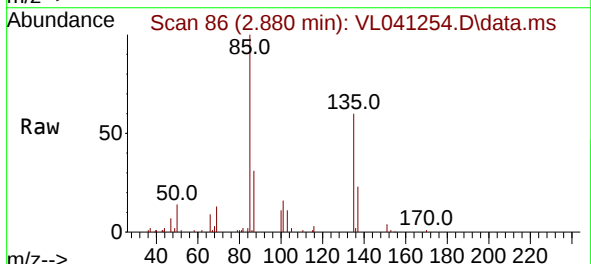
Manual Integrations
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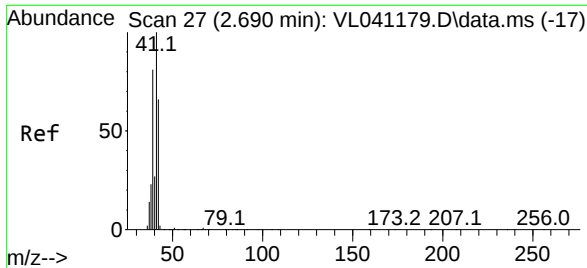
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#8
Dichlorotetrafluoroethane
Concen: 0.455 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

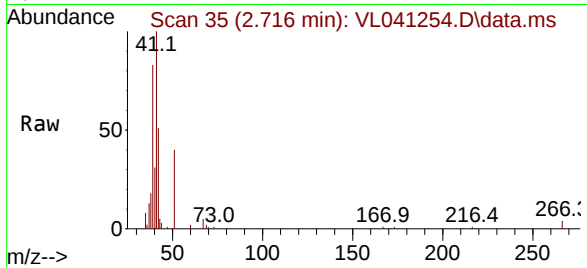
Tgt Ion: 85 Resp: 47577
Ion Ratio Lower Upper
85 100
135 68.5 51.5 77.3





#9
 Propene
 Concen: 0.476 ppbv
 RT: 2.716 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

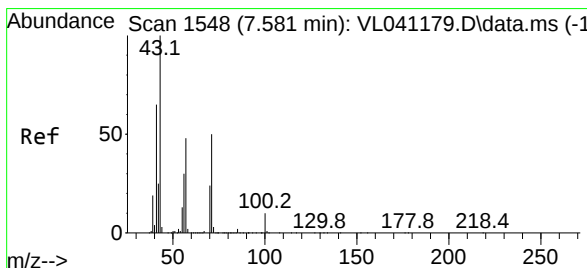
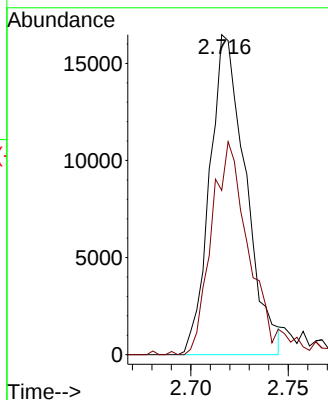
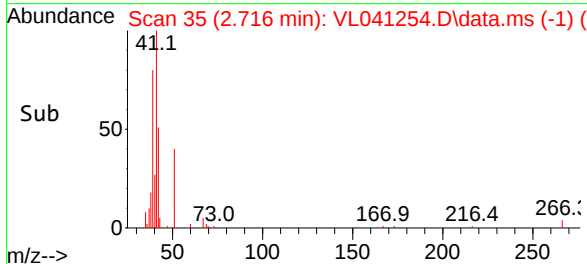
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion: 41 Resp: 2109
 Ion Ratio Lower Upper
 41 100
 42 71.9 55.3 82.9

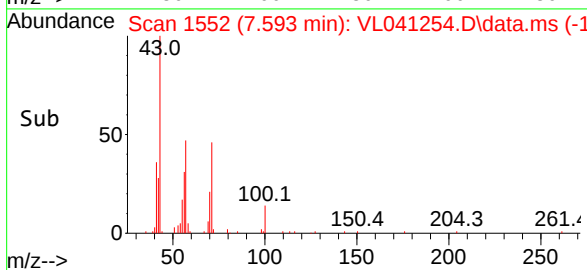
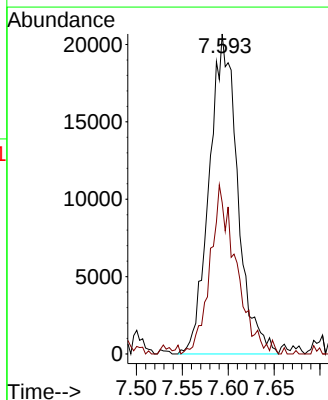
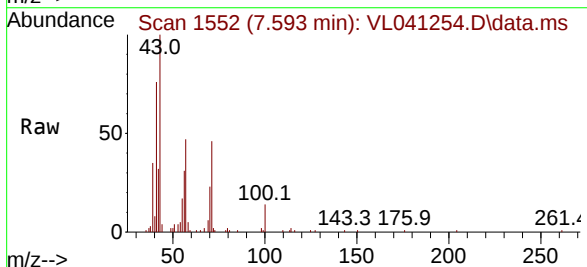
Manual Integrations
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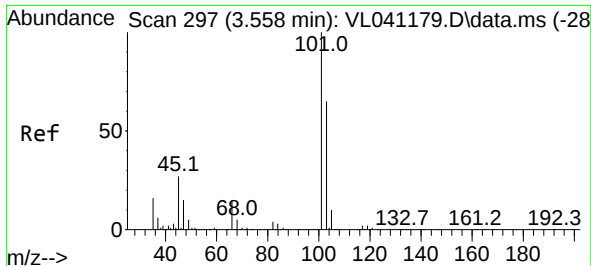
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#10
 Heptane
 Concen: 0.414 ppbv m
 RT: 7.593 min Scan# 1552
 Delta R.T. -0.003 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

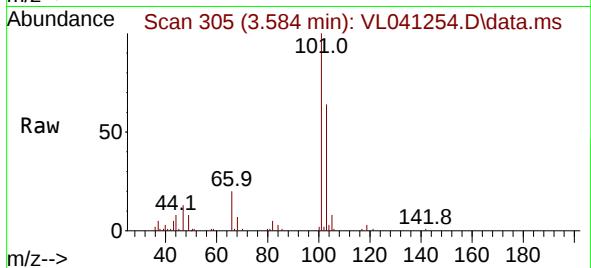
Tgt Ion: 43 Resp: 44431
 Ion Ratio Lower Upper
 43 100
 57 0.0 38.7 58.1#





#11
 Trichlorofluoromethane
 Concen: 0.484 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.006 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

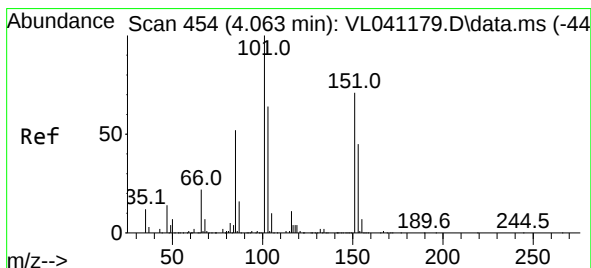
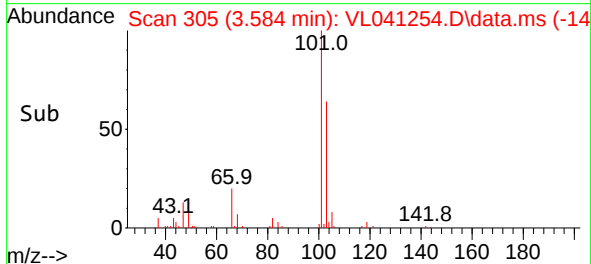
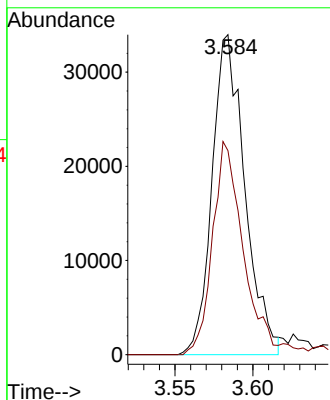
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion:101 Resp: 49669
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.6 77.4

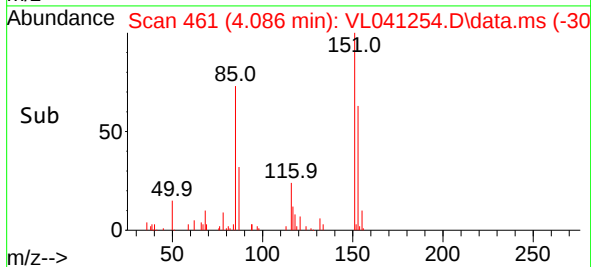
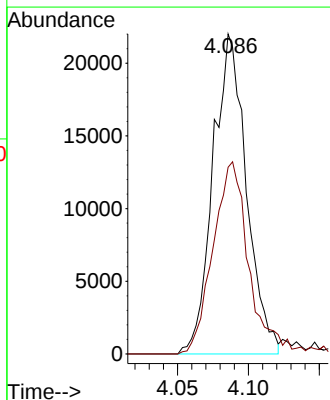
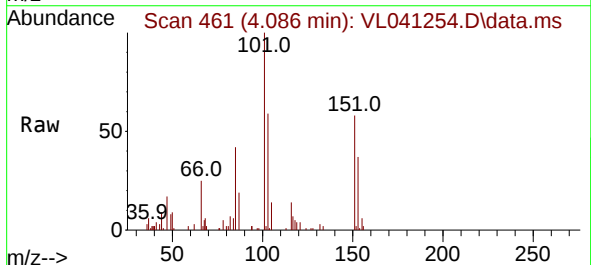
Manual Integrations
 APPROVED

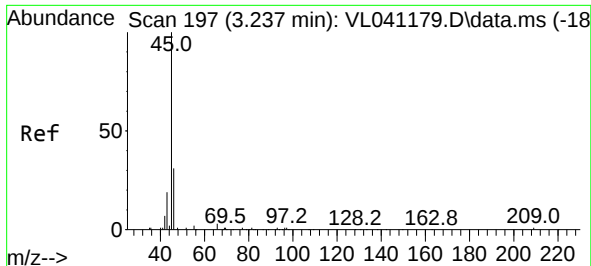
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.477 ppbv
 RT: 4.086 min Scan# 461
 Delta R.T. 0.006 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

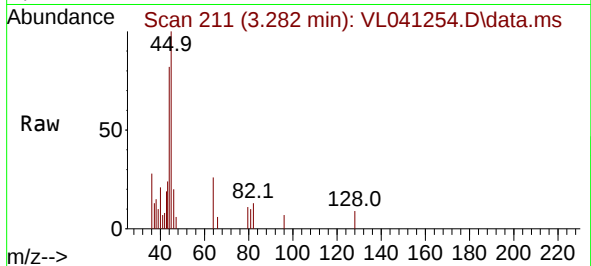
Tgt Ion:101 Resp: 36157
 Ion Ratio Lower Upper
 101 100
 151 65.6 56.8 85.2





#13
Ethanol
Concen: 0.476 ppbv m
RT: 3.282 min Scan# 211
Delta R.T. 0.026 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

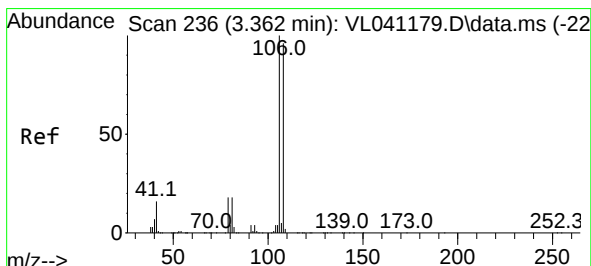
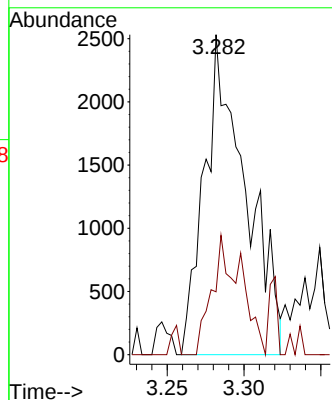
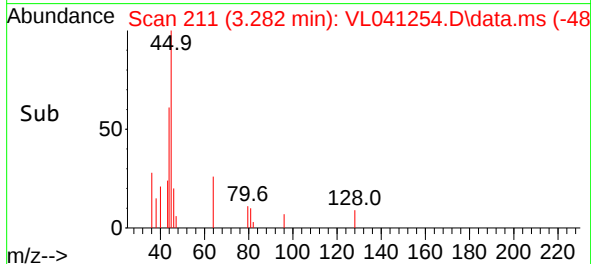
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



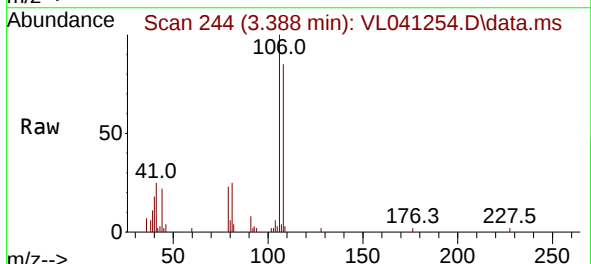
Tgt Ion: 45 Resp: 4728
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.0

Manual Integrations
APPROVED

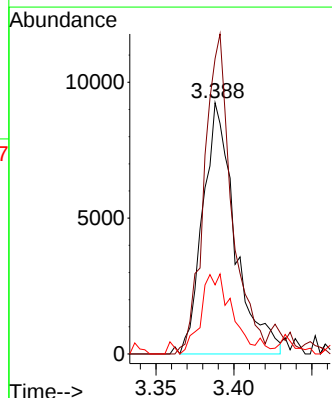
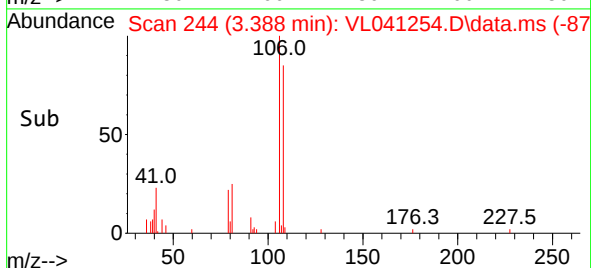
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

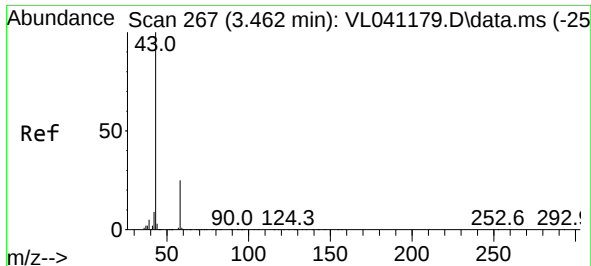


#14
Bromoethene
Concen: 0.423 ppbv
RT: 3.388 min Scan# 244
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07



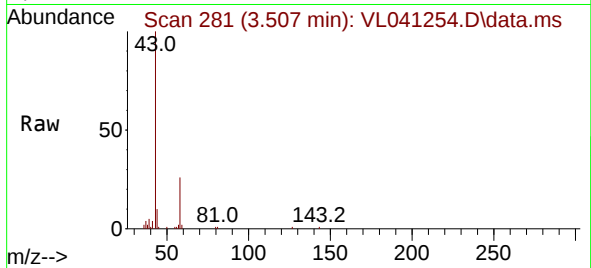
Tgt Ion:108 Resp: 13242
Ion Ratio Lower Upper
108 100
106 119.4 88.2 132.4
79 33.0 17.4 26.0





#15
Acetone
Concen: 0.515 ppbv
RT: 3.507 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

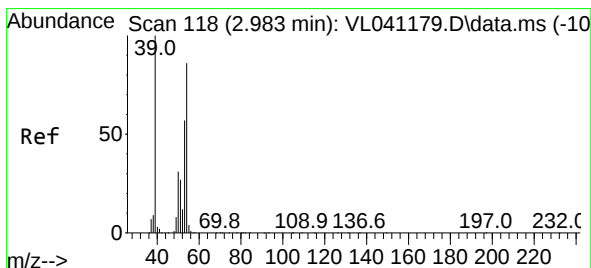
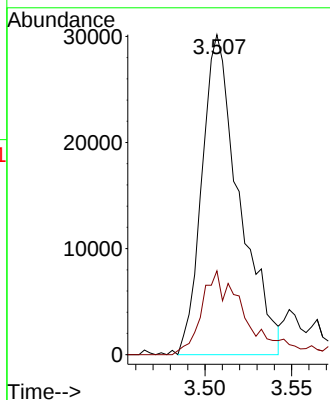
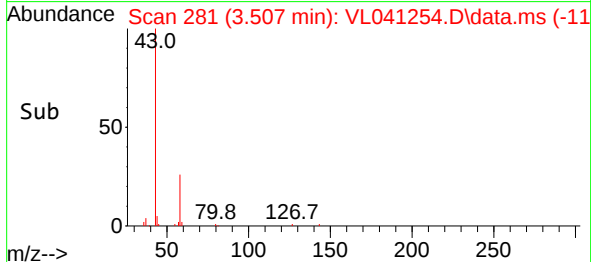
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



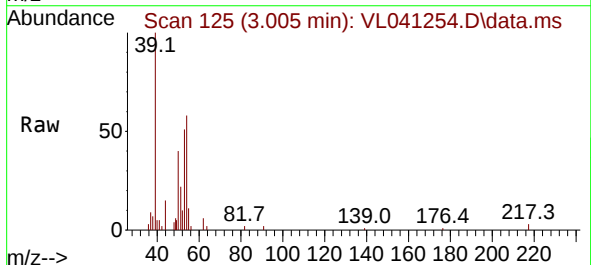
Tgt Ion: 43 Resp: 4530
Ion Ratio Lower Upper
43 100
58 32.7 21.4 32.0

Manual Integrations
APPROVED

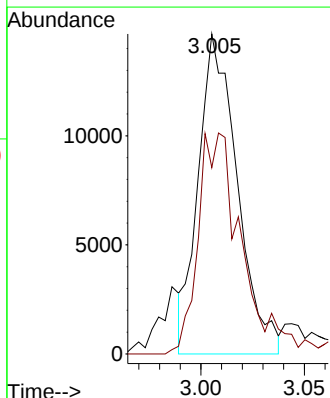
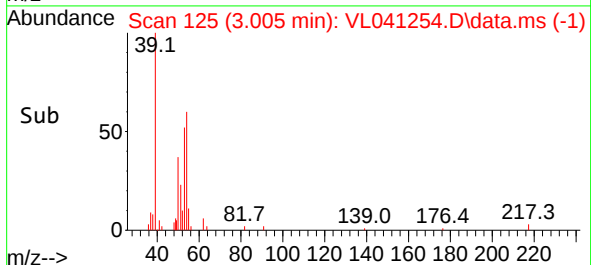
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

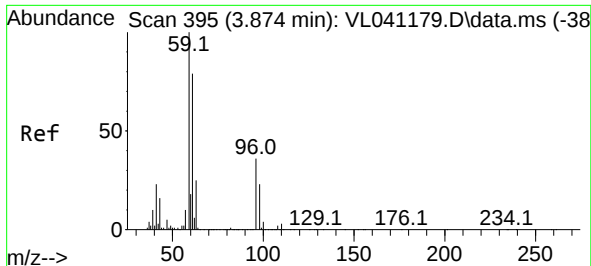


#16
1,3-Butadiene
Concen: 0.432 ppbv m
RT: 3.005 min Scan# 125
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07



Tgt Ion: 39 Resp: 19194
Ion Ratio Lower Upper
39 100
54 78.4 62.2 93.4





#17

tert-Butyl alcohol

Concen: 0.351 ppbv m

RT: 3.915 min Scan# 408

Delta R.T. 0.026 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

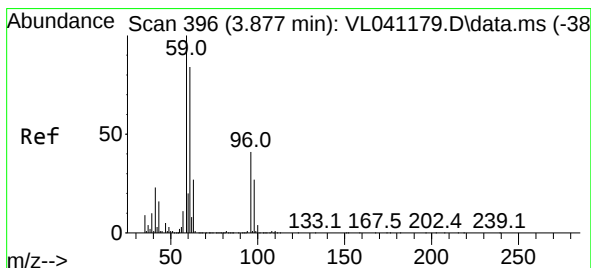
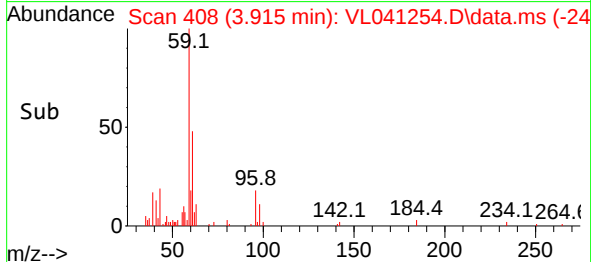
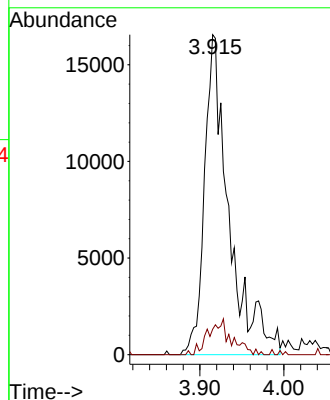
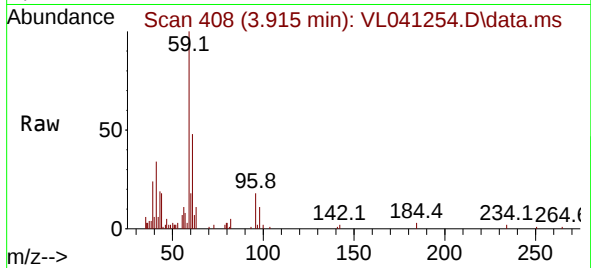
MDL-AIR-03-QT2-2024

Tgt Ion: 59 Resp: 3333
 Ion Ratio Lower Upper
 59 100
 57 10.6 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: 0.492 ppbv m

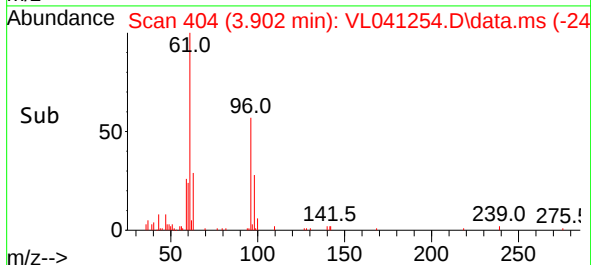
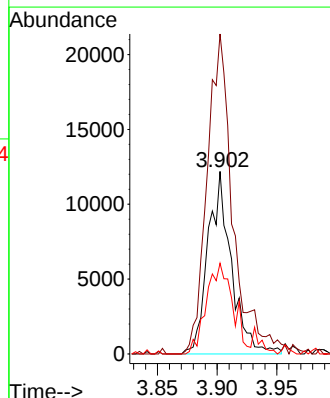
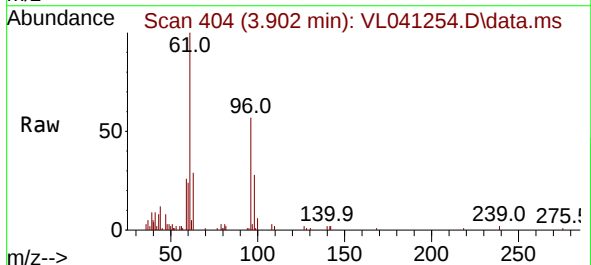
RT: 3.902 min Scan# 404

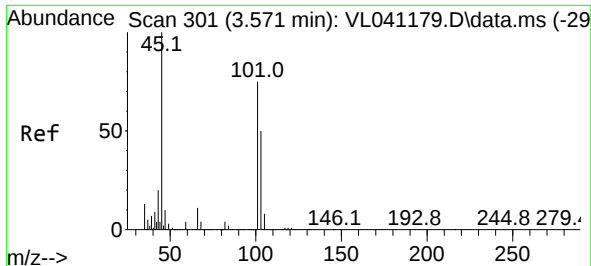
Delta R.T. 0.006 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Tgt Ion: 96 Resp: 16625
 Ion Ratio Lower Upper
 96 100
 61 175.3 164.4 246.6
 98 49.7 51.8 77.8#





#19

Isopropyl Alcohol

Concen: 0.401 ppbv m

RT: 3.626 min Scan# 318

Delta R.T. 0.035 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

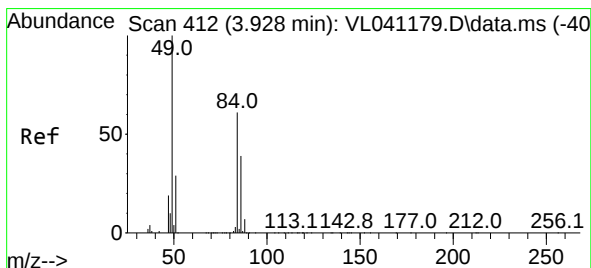
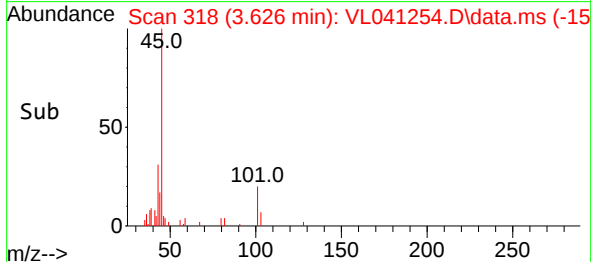
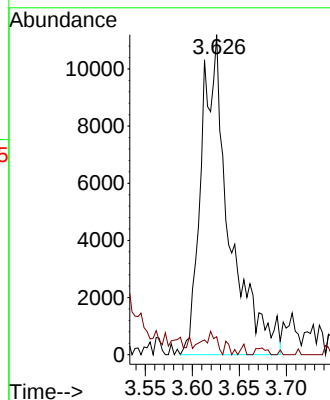
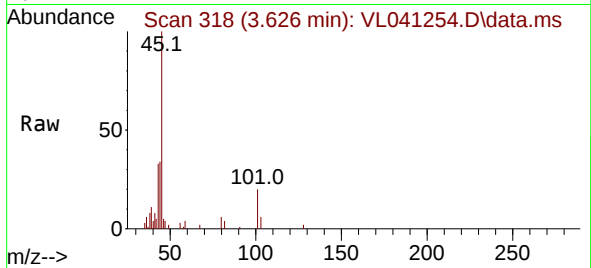
Tgt Ion: 45 Resp: 2314

Ion	Ratio	Lower	Upper
45	100		
58	5.0	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: 0.534 ppbv

RT: 3.954 min Scan# 420

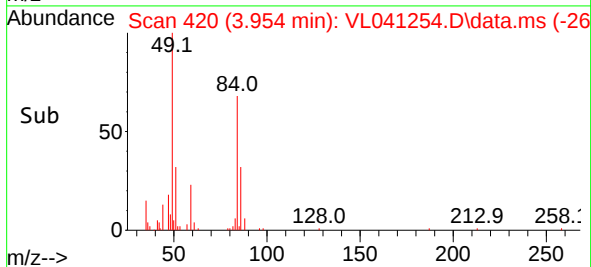
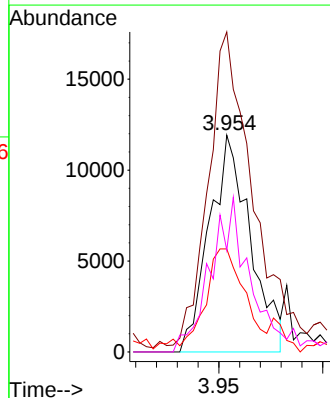
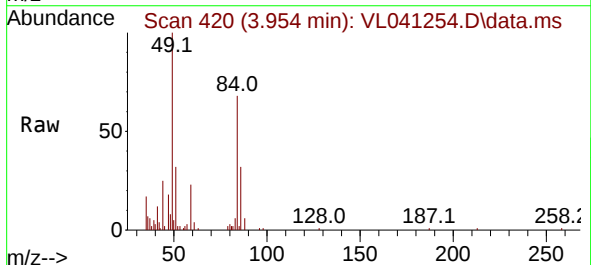
Delta R.T. 0.006 min

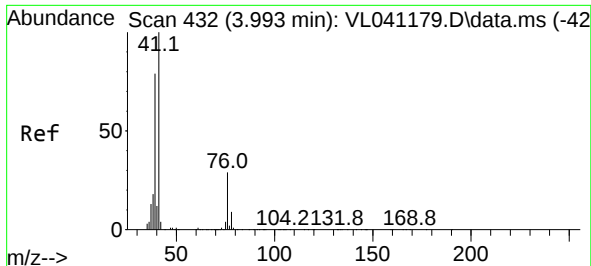
Lab File: VL041254.D

Acq: 9 May 2024 12:07

Tgt Ion: 84 Resp: 16337

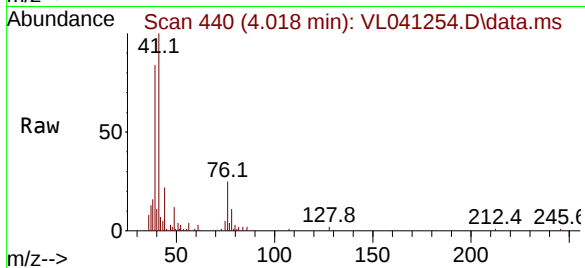
Ion	Ratio	Lower	Upper
84	100		
49	138.9	130.4	195.6
51	44.6	38.0	57.0
86	39.1	50.3	75.5





#21
 Allyl Chloride
 Concen: 0.405 ppbv m
 RT: 4.018 min Scan# 440
 Delta R.T. 0.006 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

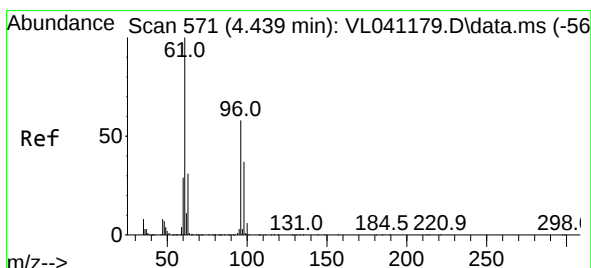
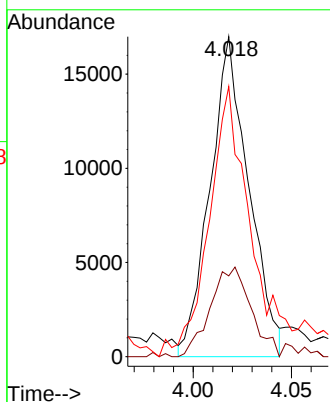
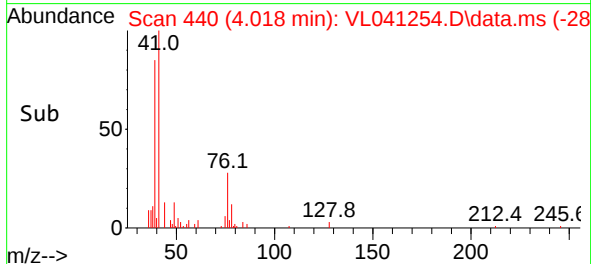
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



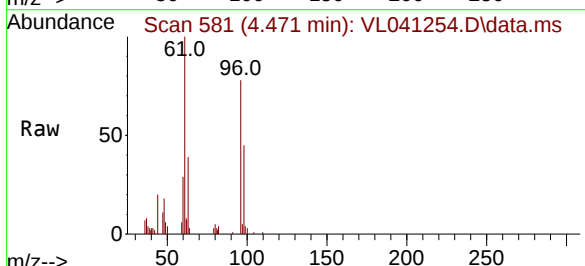
Tgt Ion: 41 Resp: 2327
 Ion Ratio Lower Upper
 41 100
 76 30.9 23.7 35.5
 39 101.5 64.7 97.1

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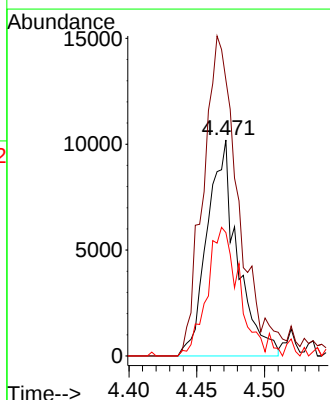
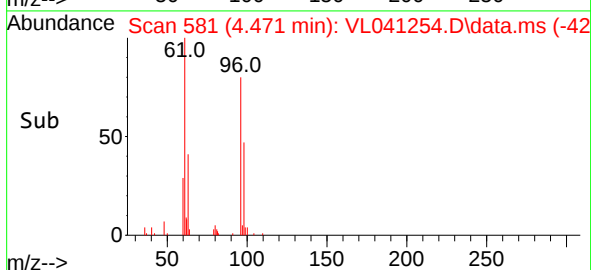
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024

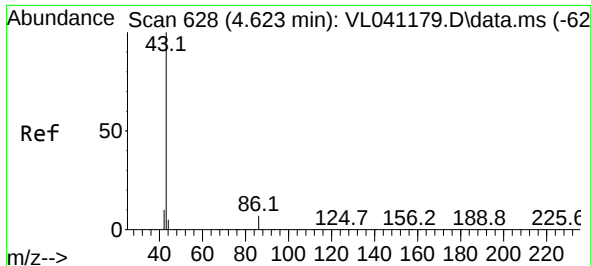


#22
 trans-1,2-Dichloroethene
 Concen: 0.448 ppbv
 RT: 4.471 min Scan# 581
 Delta R.T. 0.010 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07



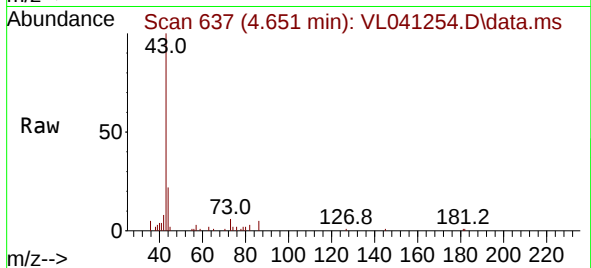
Tgt Ion: 96 Resp: 15758
 Ion Ratio Lower Upper
 96 100
 61 127.8 137.6 206.4#
 98 57.2 50.6 76.0





#23
Vinyl Acetate
Concen: 0.379 ppbv m
RT: 4.651 min Scan# 616
Delta R.T. 0.013 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

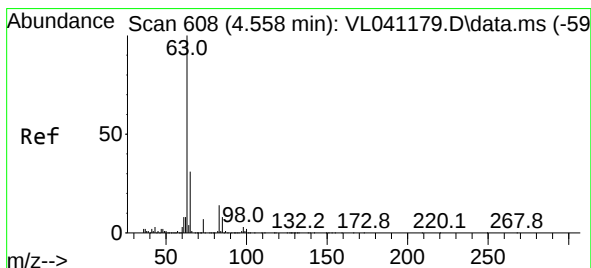
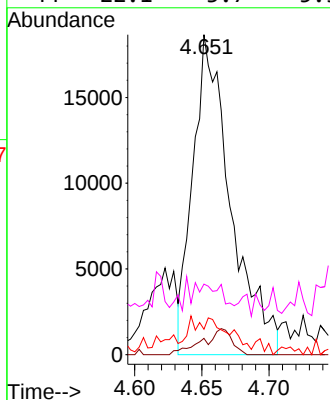
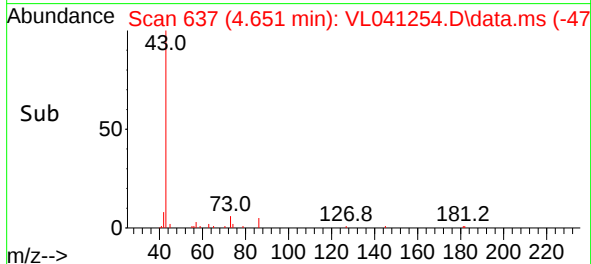
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 43 Resp: 36702
Ion Ratio Lower Upper
43 100
86 5.1 4.9 7.3
42 8.0 8.0 12.0
44 22.1 3.7 5.5#

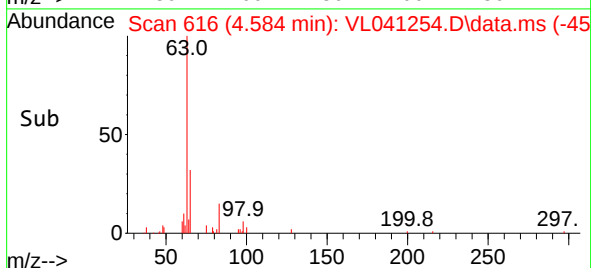
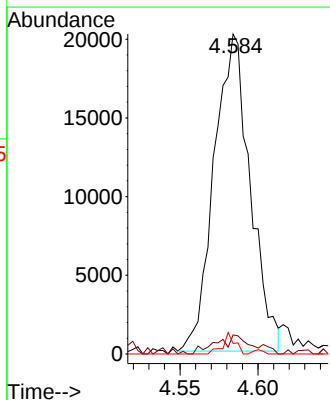
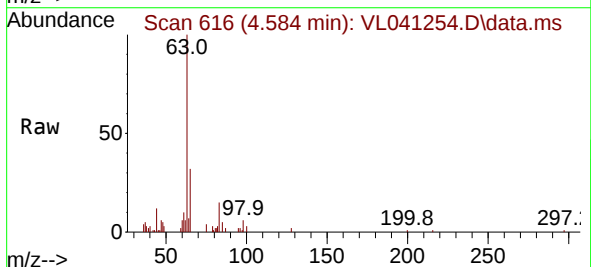
Manual Integrations
APPROVED

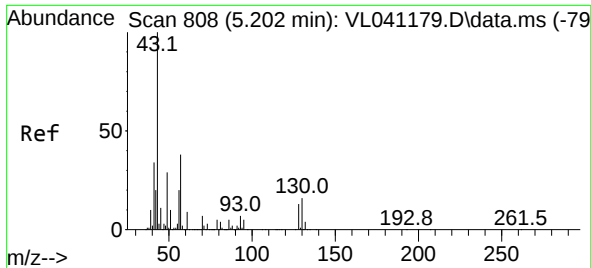
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#24
1,1-Dichloroethane
Concen: 0.430 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

Tgt Ion: 63 Resp: 32417
Ion Ratio Lower Upper
63 100
98 6.0 1.6 4.8#
100 3.3 1.1 3.5





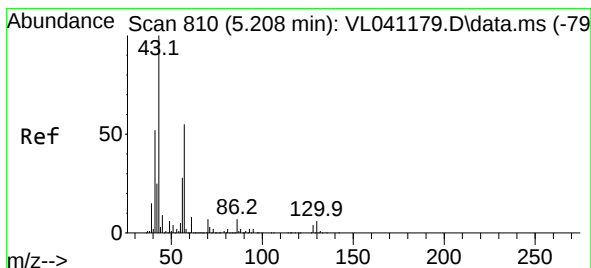
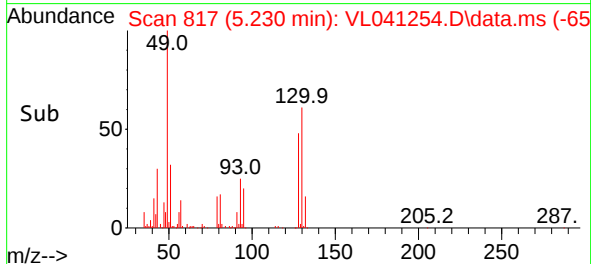
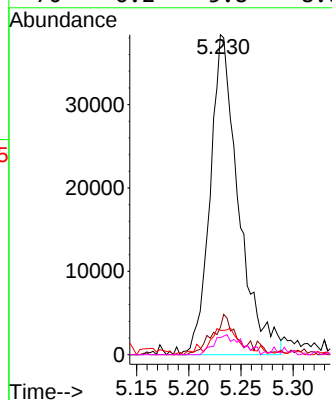
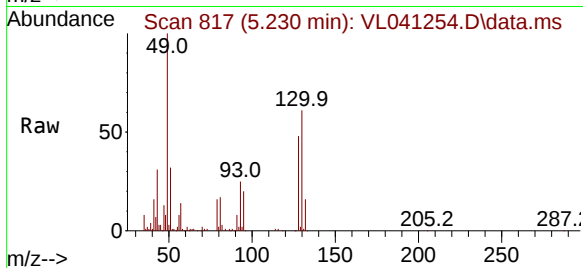
#25
Ethyl Acetate
Concen: 0.412 ppbv m
RT: 5.230 min Scan# 817
Delta R.T. 0.010 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

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

Tgt Ion: 43	Resp: 7234
Ion Ratio	Lower Upper
43 100	
45 11.7	8.2 12.2
61 10.0	7.7 11.5
70 6.2	5.8 8.6

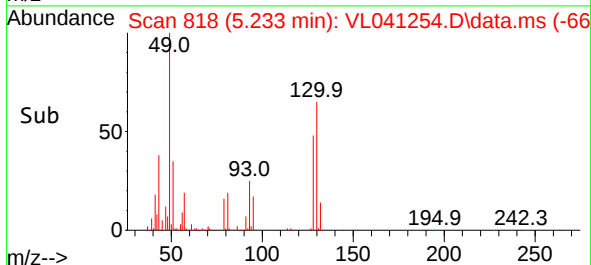
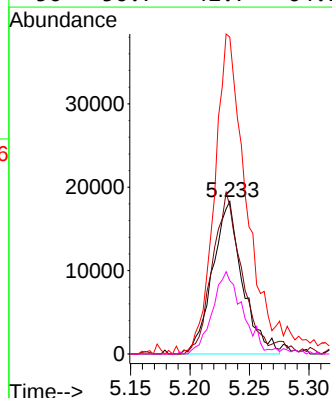
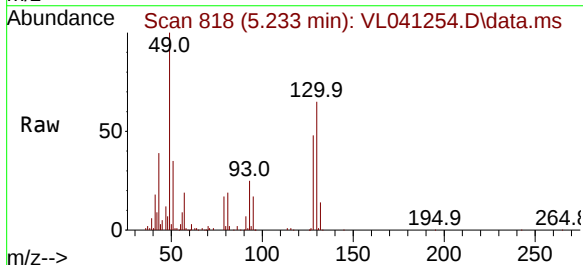
Manual Integrations
APPROVED

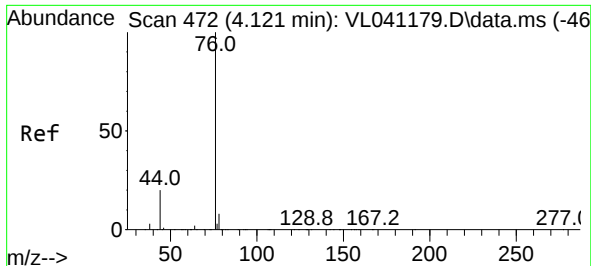
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#26
Hexane
Concen: 0.410 ppbv m
RT: 5.233 min Scan# 818
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

Tgt Ion: 57	Resp: 32119
Ion Ratio	Lower Upper
57 100	
41 109.7	75.8 113.8
43 241.0	187.0 280.4
56 56.7	42.7 64.1





#27

Carbon Disulfide

Concen: 0.390 ppbv

RT: 4.147 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

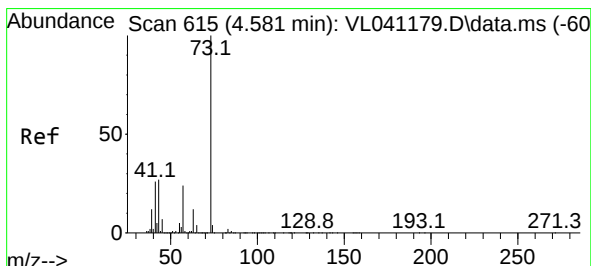
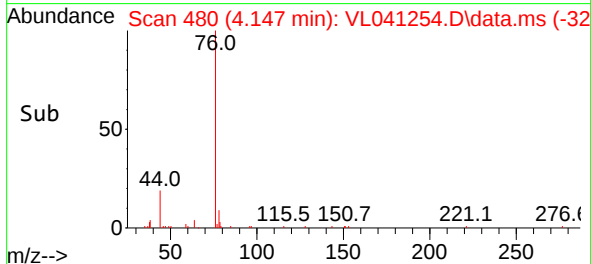
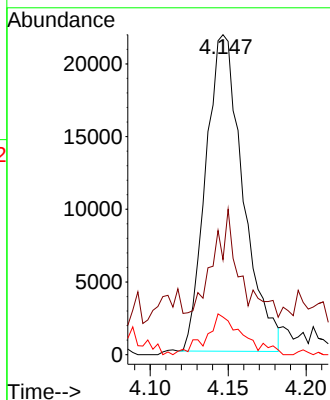
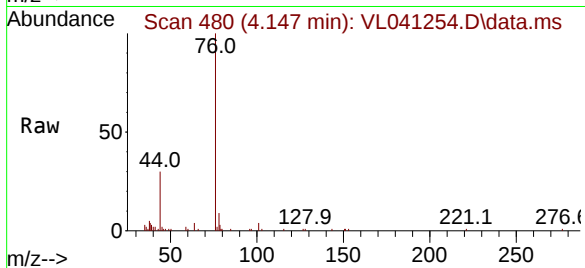
Tgt Ion: 76 Resp: 3621

Ion	Ratio	Lower	Upper
76	100		
44	37.6	16.3	24.5
78	12.6	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: 0.403 ppbv m

RT: 4.623 min Scan# 628

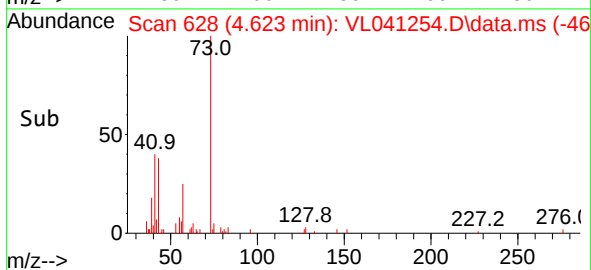
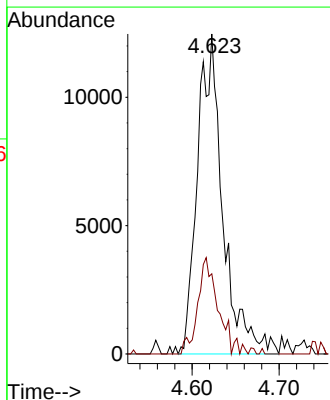
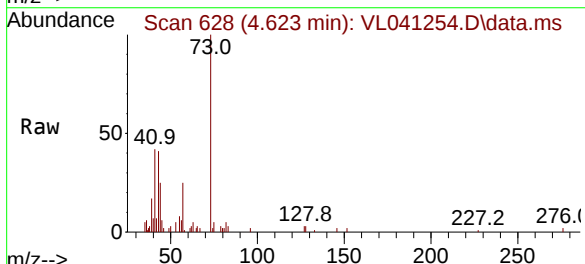
Delta R.T. 0.022 min

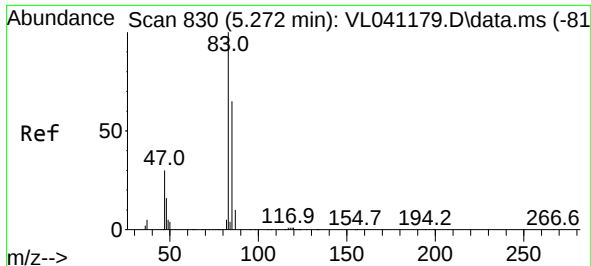
Lab File: VL041254.D

Acq: 9 May 2024 12:07

Tgt Ion: 73 Resp: 25176

Ion	Ratio	Lower	Upper
73	100		
57	24.9	18.8	28.2





#29

Chloroform

Concen: 0.495 ppbv

RT: 5.295 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion: 83 Resp: 53592

Ion Ratio Lower Upper

83 100

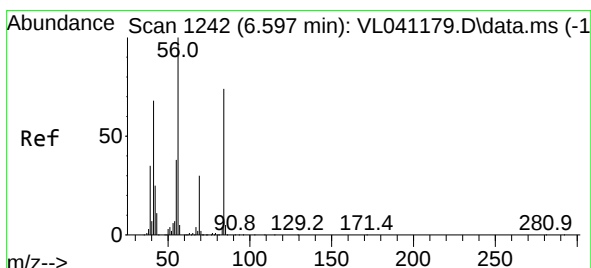
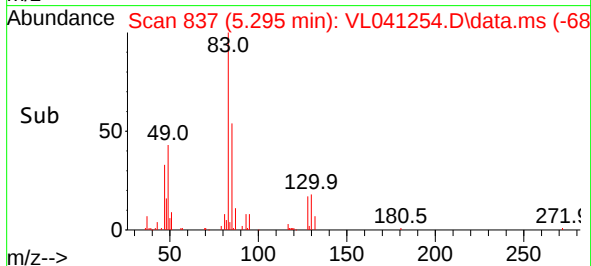
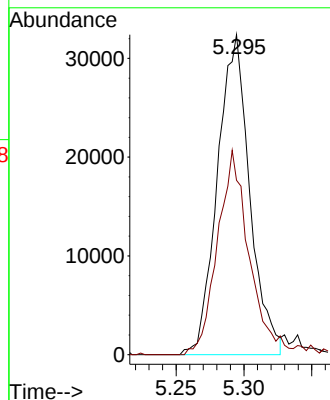
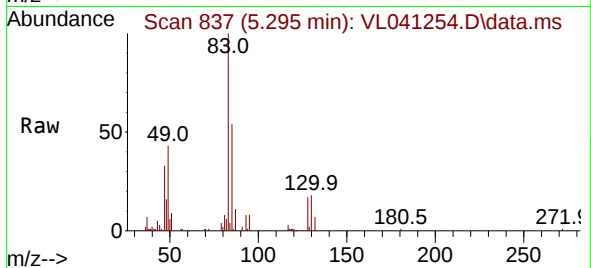
85 54.5 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#30

Cyclohexane

Concen: 0.452 ppbv m

RT: 6.619 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

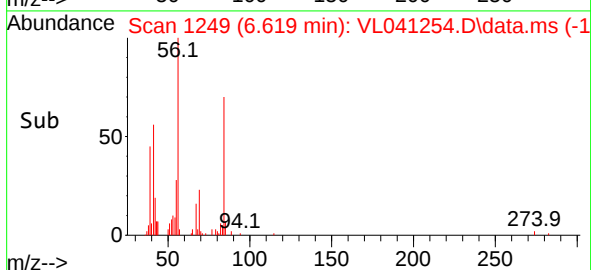
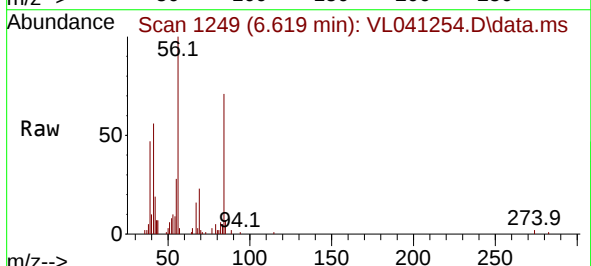
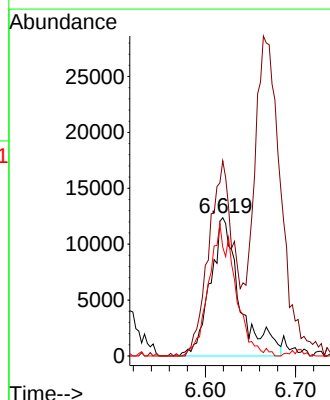
Tgt Ion: 84 Resp: 28045

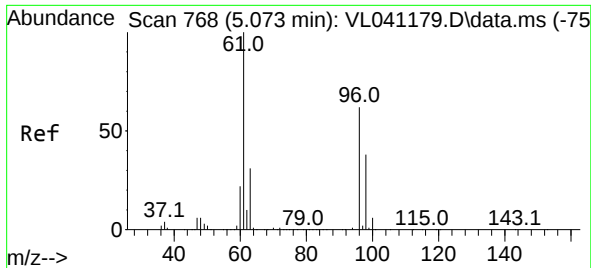
Ion Ratio Lower Upper

84 100

56 120.3 116.8 175.2

41 86.2 73.8 110.8





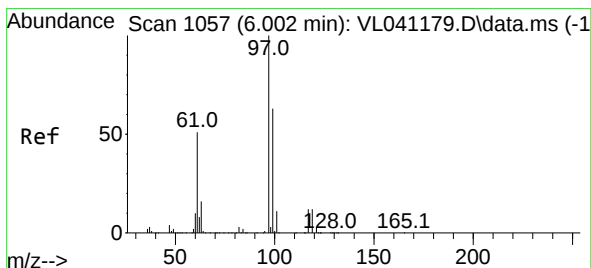
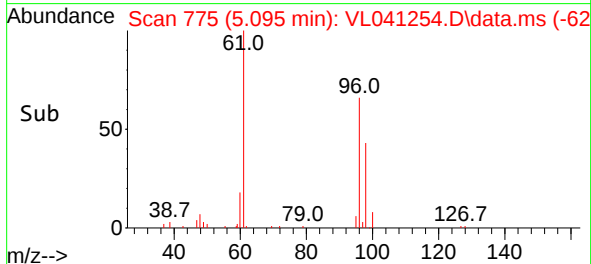
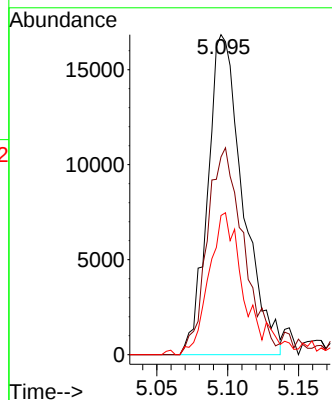
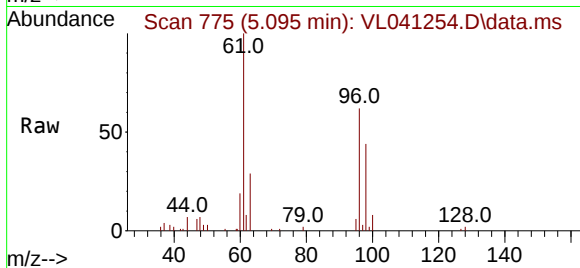
#31
 cis-1,2-Dichloroethene
 Concen: 0.398 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

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

Tgt Ion: 61 Resp: 2919
 Ion Ratio Lower Upper
 61 100
 96 57.5 49.8 74.6
 98 40.4 30.0 45.0

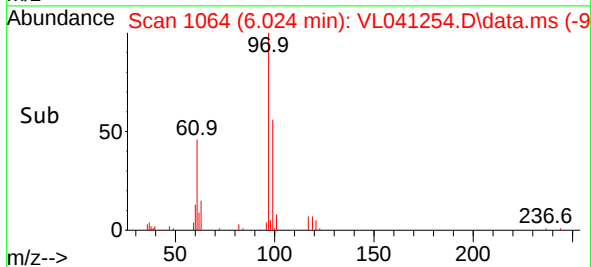
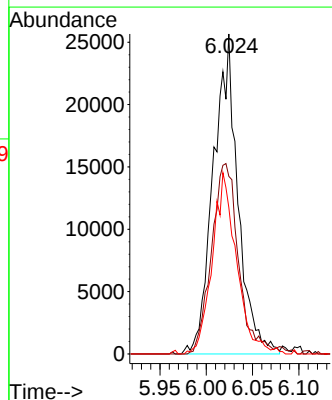
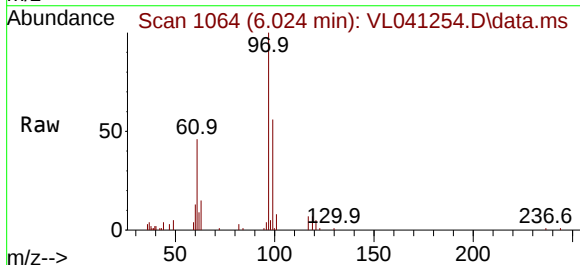
Manual Integrations
 APPROVED

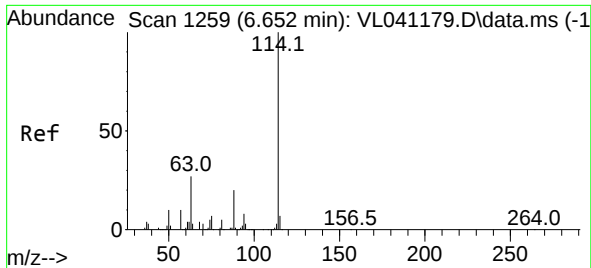
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.438 ppbv m
 RT: 6.024 min Scan# 1064
 Delta R.T. 0.006 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

Tgt Ion: 97 Resp: 47334
 Ion Ratio Lower Upper
 97 100
 99 66.7 51.7 77.5
 61 56.6 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.667 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041254.D

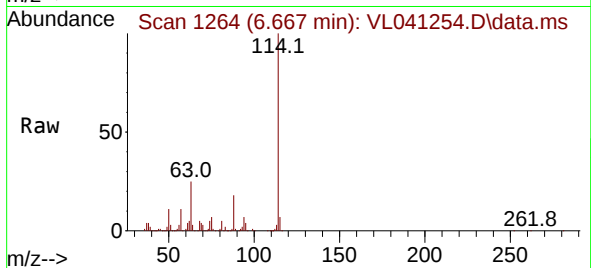
Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024



Tgt Ion:114 Resp: 2055920

Ion Ratio Lower Upper

114 100

63 25.4 21.8 32.6

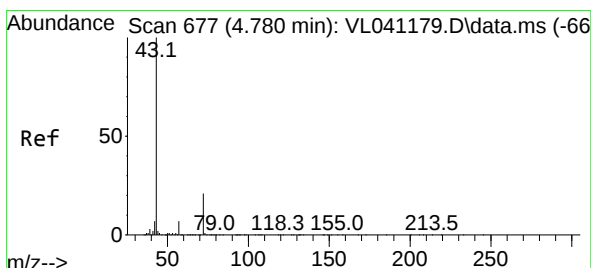
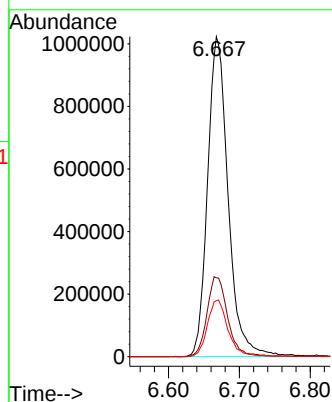
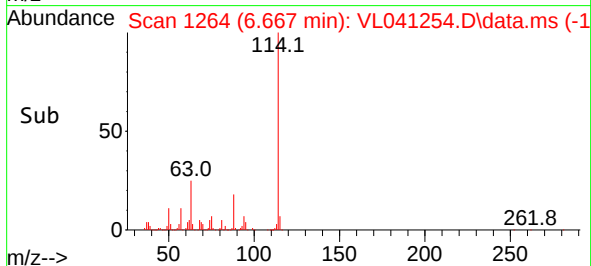
88 17.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#34

2-Butanone

Concen: 0.384 ppbv m

RT: 4.819 min Scan# 689

Delta R.T. 0.019 min

Lab File: VL041254.D

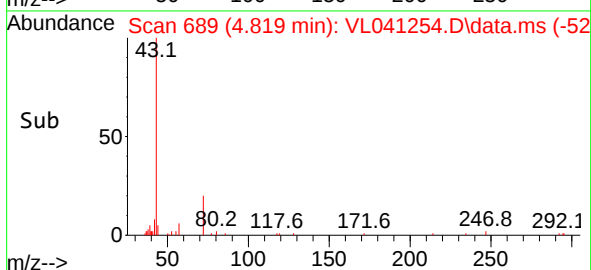
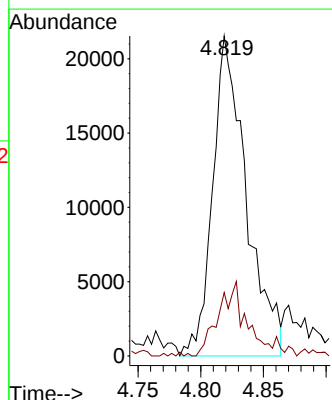
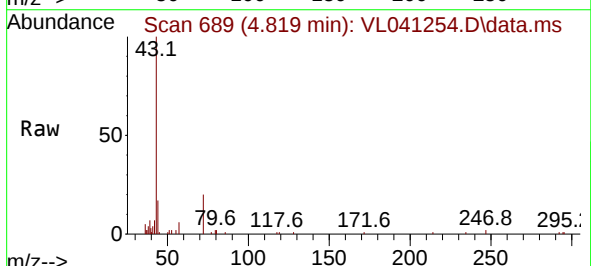
Acq: 9 May 2024 12:07

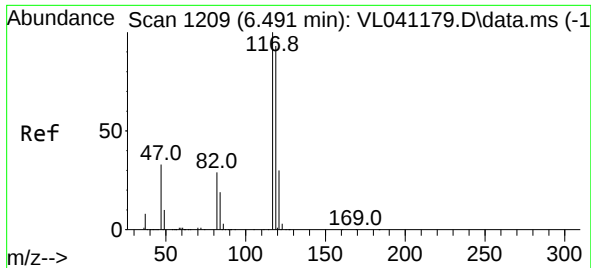
Tgt Ion: 43 Resp: 40234

Ion Ratio Lower Upper

43 100

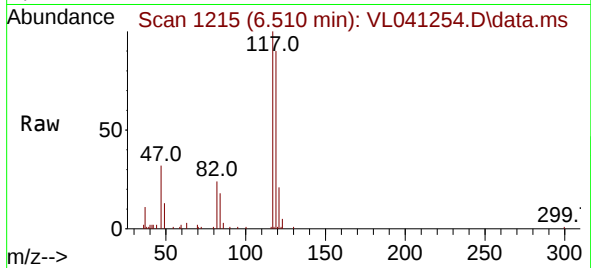
72 20.8 17.3 25.9





#35
Carbon Tetrachloride
Concen: 0.411 ppbv m
RT: 6.510 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

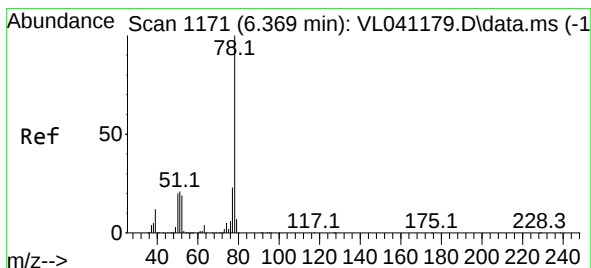
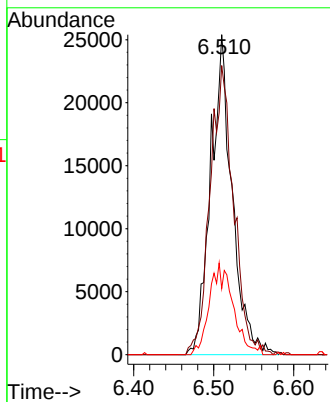
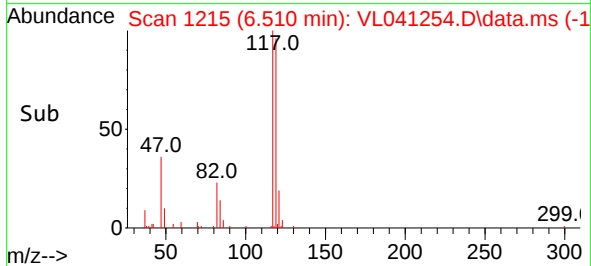
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion:117 Resp: 47372
Ion Ratio Lower Upper
117 100
119 90.4 74.3 111.5
121 20.7 23.8 35.8

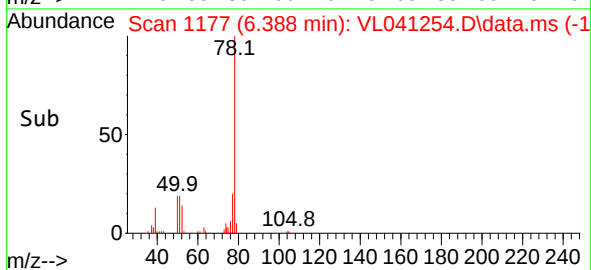
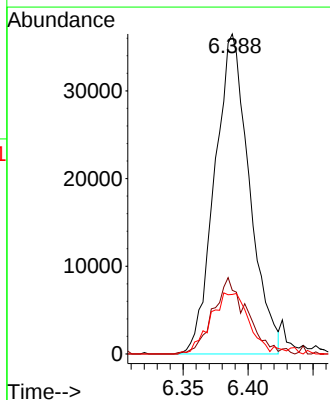
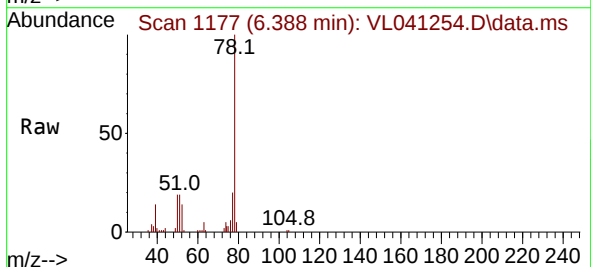
Manual Integrations
APPROVED

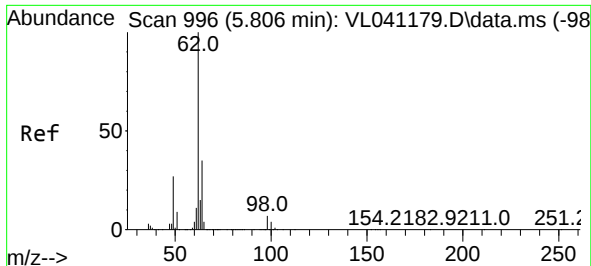
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#36
Benzene
Concen: 0.392 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

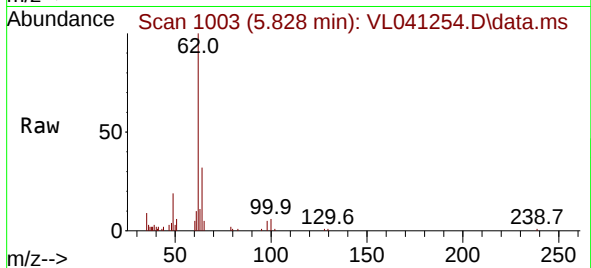
Tgt Ion: 78 Resp: 67652
Ion Ratio Lower Upper
78 100
77 19.5 18.3 27.5
50 18.6 15.9 23.9





#37
1,2-Dichloroethane
Concen: 0.456 ppbv m
RT: 5.828 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

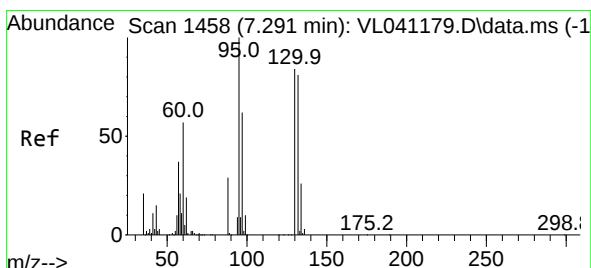
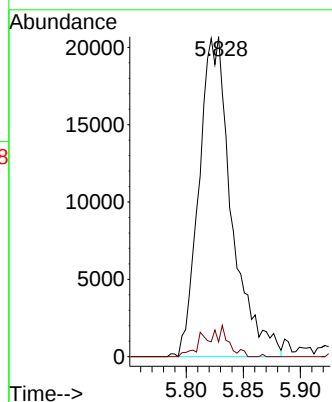
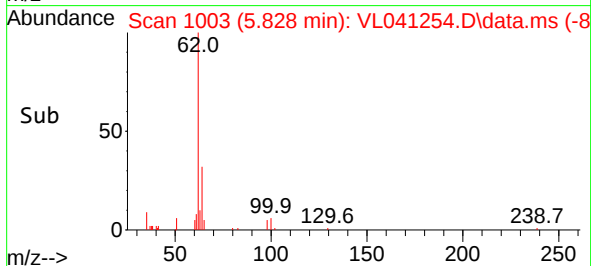
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



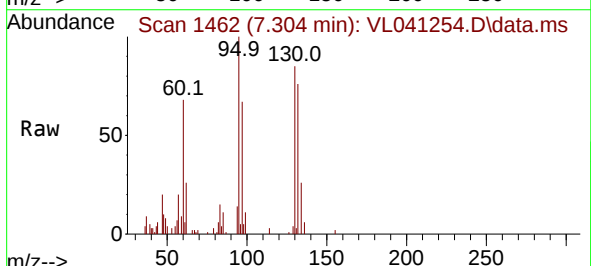
Tgt Ion: 62 Resp: 41040
Ion Ratio Lower Upper
62 100
98 7.0 5.0 7.4

Manual Integrations
APPROVED

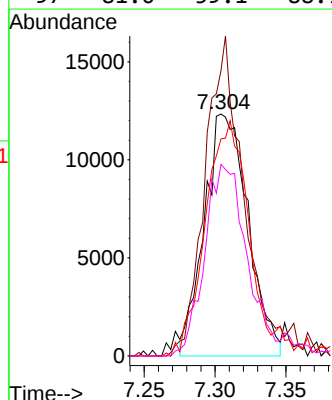
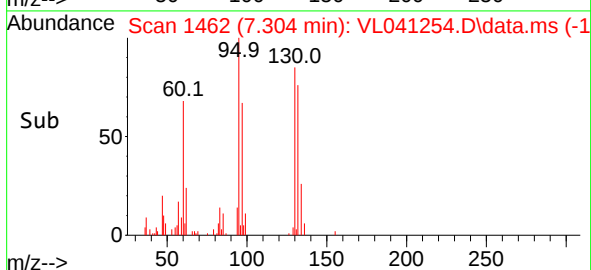
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

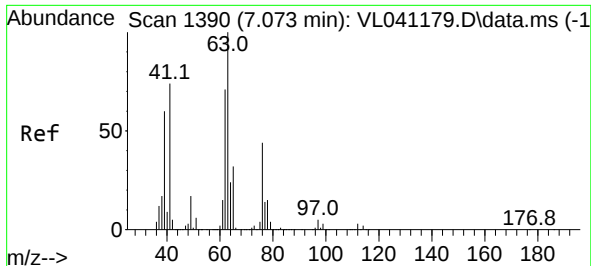


#38
Trichloroethene
Concen: 0.412 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07



Tgt Ion:130 Resp: 26488
Ion Ratio Lower Upper
130 100
95 118.6 95.0 142.6
132 93.2 77.0 115.4
97 81.0 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.413 ppbv m

RT: 7.089 min Scan# 1390

Delta R.T. -0.000 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

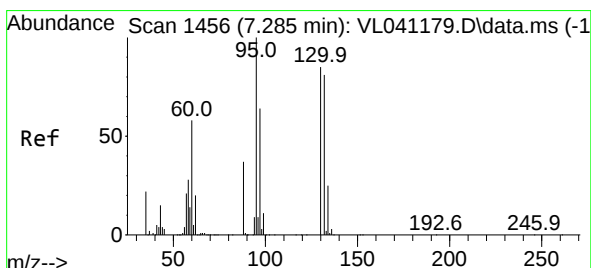
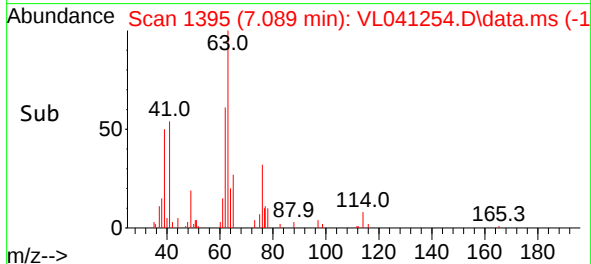
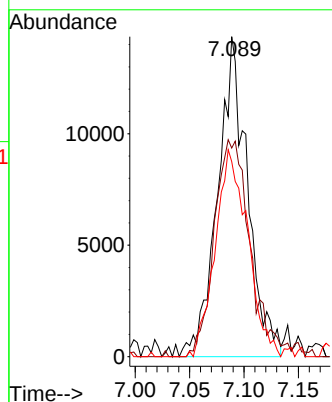
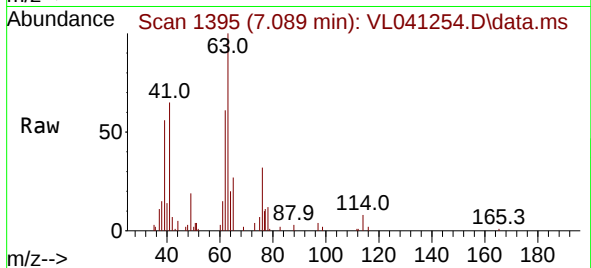
Tgt Ion: 63 Resp: 27428

Ion	Ratio	Lower	Upper
63	100		
41	65.2	59.4	89.0
62	60.9	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: 0.363 ppbv m

RT: 7.346 min Scan# 1475

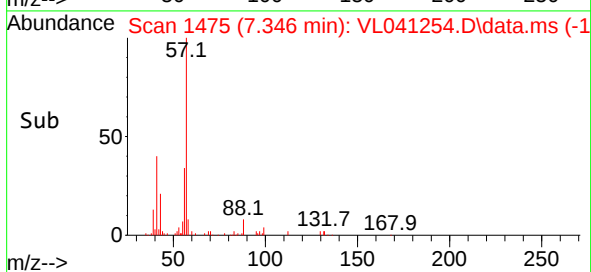
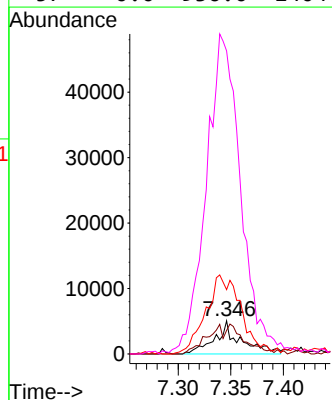
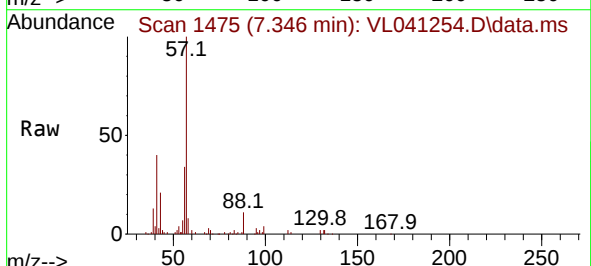
Delta R.T. 0.048 min

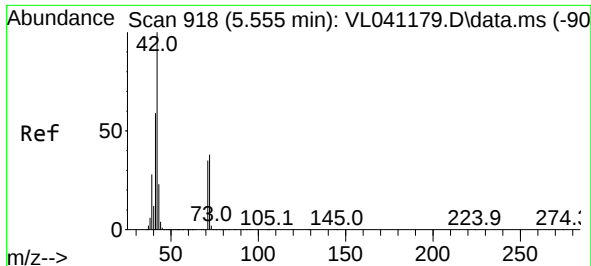
Lab File: VL041254.D

Acq: 9 May 2024 12:07

Tgt Ion: 88 Resp: 8620

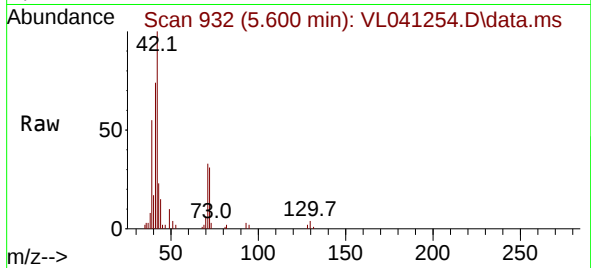
Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.1	159.1#
43	0.0	219.8	329.6#
57	0.0	936.0	1404.0#





#41
Tetrahydrofuran
Concen: 0.362 ppbv m
RT: 5.600 min Scan# 918
Delta R.T. 0.029 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

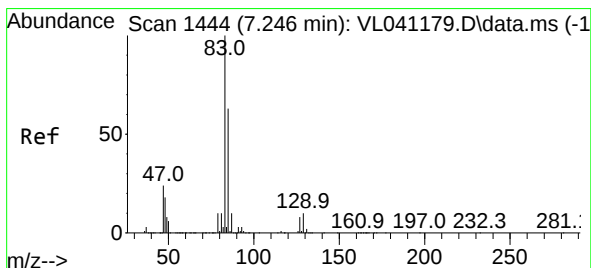
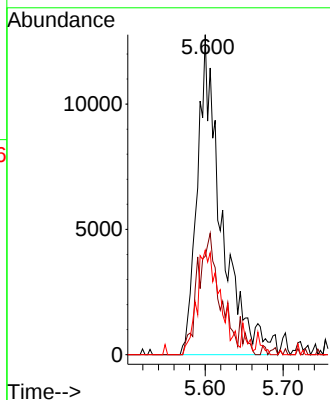
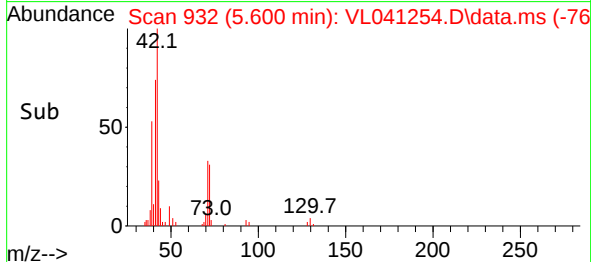
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



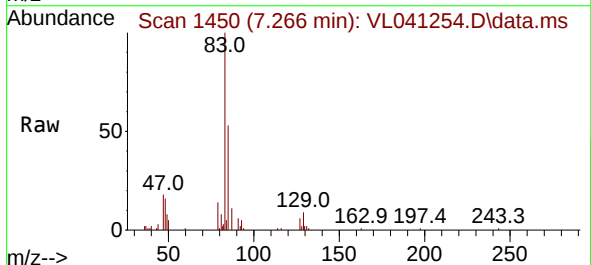
Tgt Ion: 42 Resp: 27419
Ion Ratio Lower Upper
42 100
72 37.2 29.4 44.0
71 35.6 29.1 43.7

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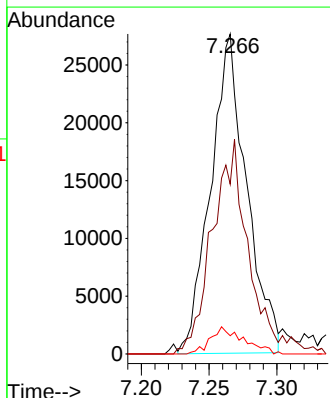
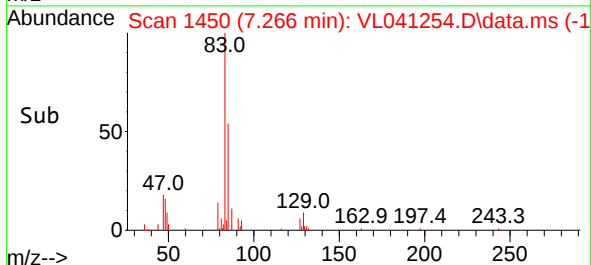
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

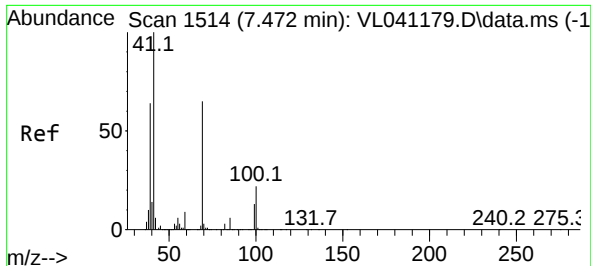


#42
Bromodichloromethane
Concen: 0.395 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07



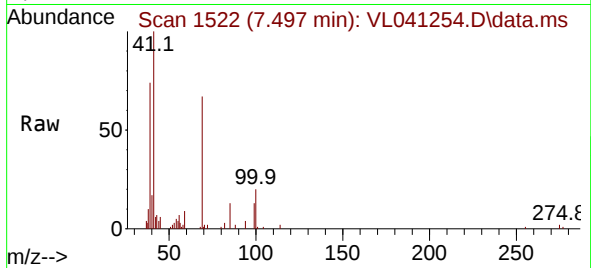
Tgt Ion: 83 Resp: 51056
Ion Ratio Lower Upper
83 100
85 51.8 50.6 75.8
127 5.7 6.2 9.4#





#43
Methyl Methacrylate
Concen: 0.339 ppbv
RT: 7.497 min Scan# 1473
Delta R.T. 0.010 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

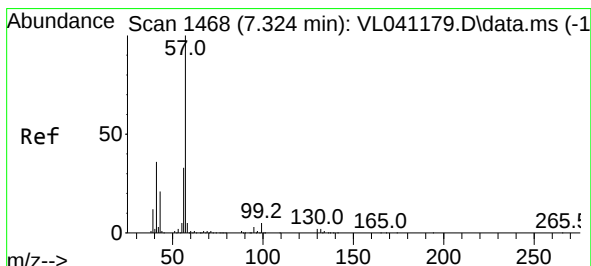
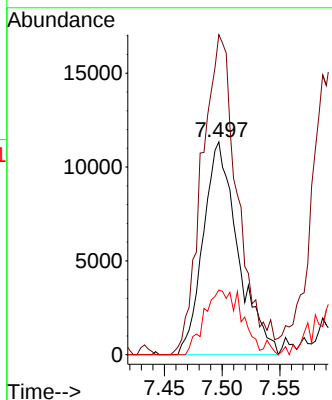
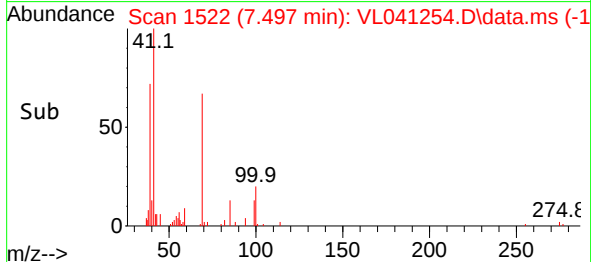
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 69 Resp: 23684
Ion Ratio Lower Upper
69 100
41 154.5 125.2 187.8
100 34.1 26.7 40.1

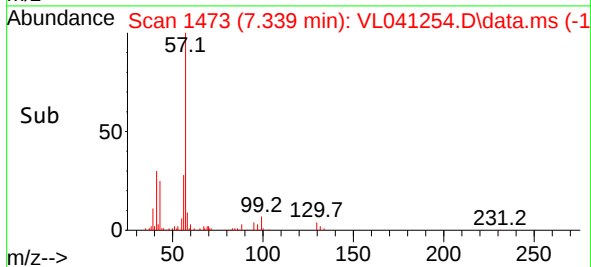
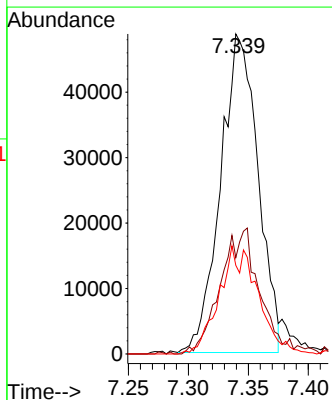
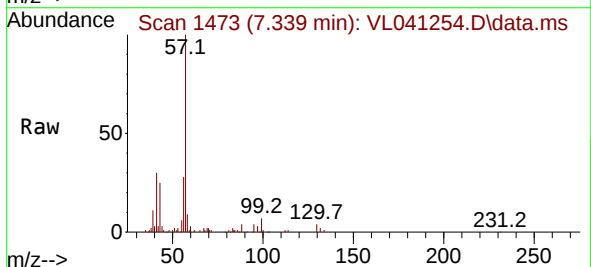
Manual Integrations
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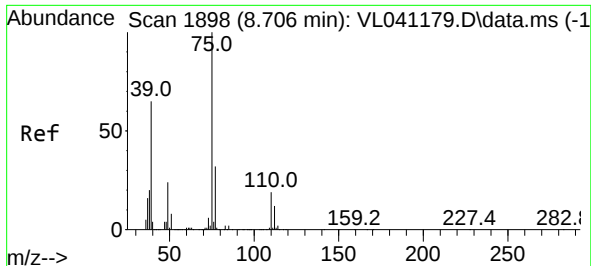
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#44
2,2,4-Trimethylpentane
Concen: 0.355 ppbv
RT: 7.339 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

Tgt Ion: 57 Resp: 105748
Ion Ratio Lower Upper
57 100
41 42.5 29.5 44.3
56 35.2 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.257 ppbv m

RT: 8.722 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion: 75 Resp: 12979

Ion Ratio Lower Upper

75 100

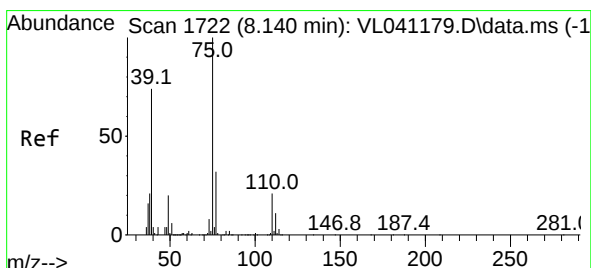
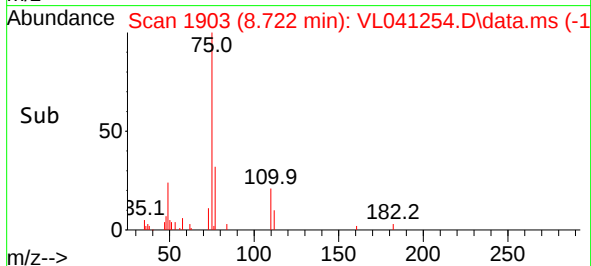
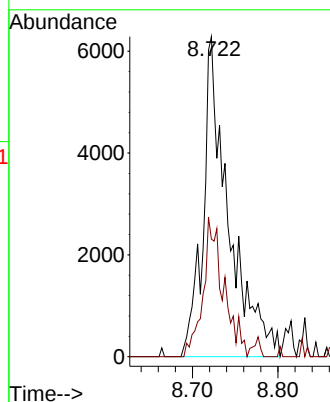
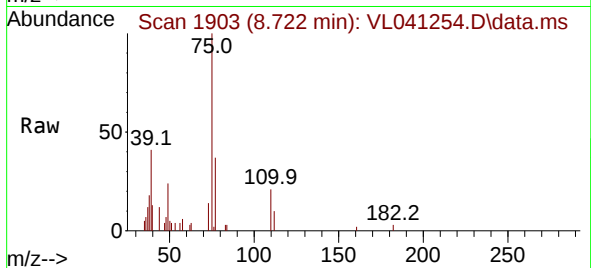
77 36.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#46

cis-1,3-Dichloropropene

Concen: 0.349 ppbv m

RT: 8.163 min Scan# 1729

Delta R.T. 0.006 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

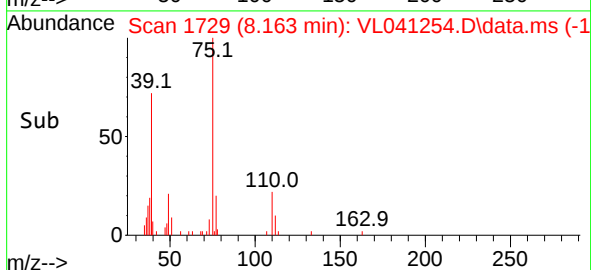
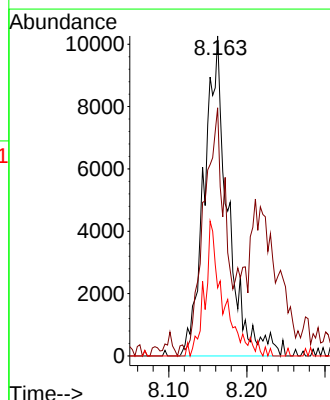
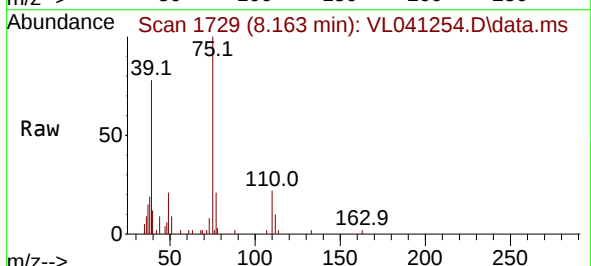
Tgt Ion: 75 Resp: 21596

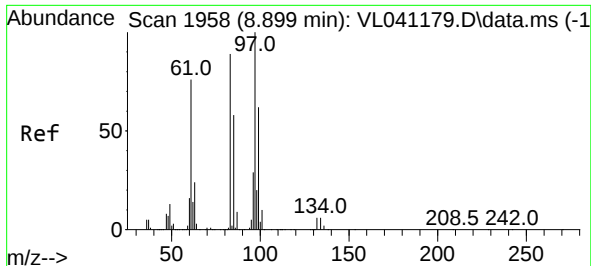
Ion Ratio Lower Upper

75 100

39 77.5 59.4 89.2

77 21.3 25.9 38.9#





#47

1,1,2-Trichloroethane

Concen: 0.460 ppbv m

RT: 8.909 min Scan# 1958

Delta R.T. -0.007 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

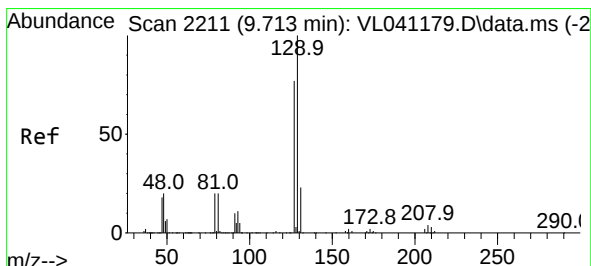
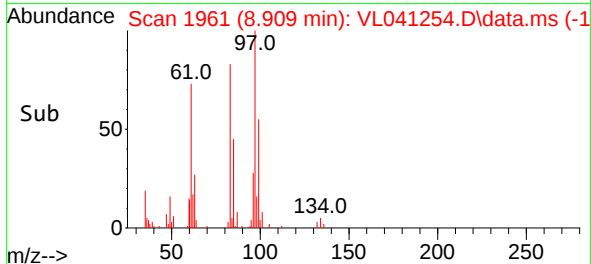
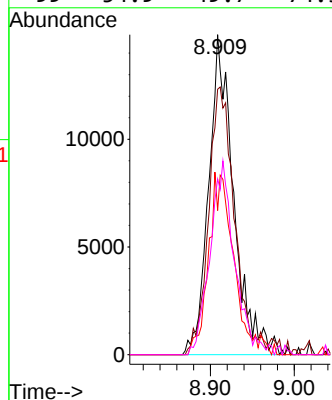
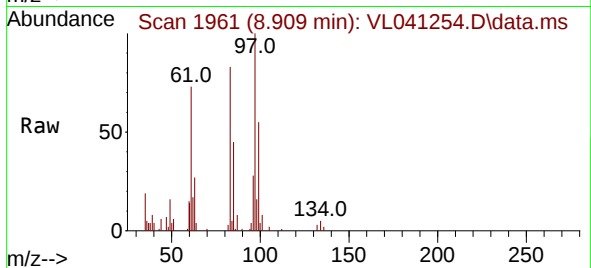
Tgt Ion: 97	Resp: 30639
Ion Ratio	Lower Upper
97 100	
83 82.9	71.2 106.8
85 45.1	46.0 69.0
99 54.9	49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#48

Dibromochloromethane

Concen: 0.383 ppbv

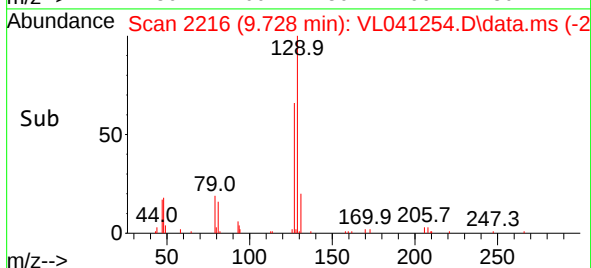
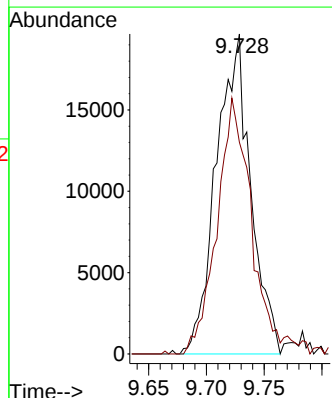
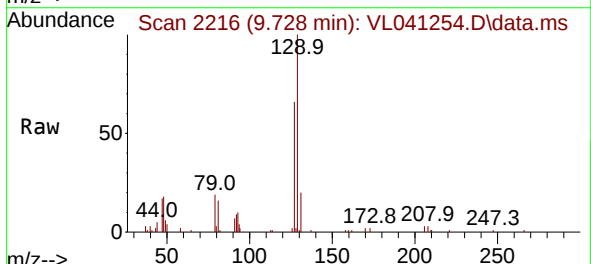
RT: 9.728 min Scan# 2216

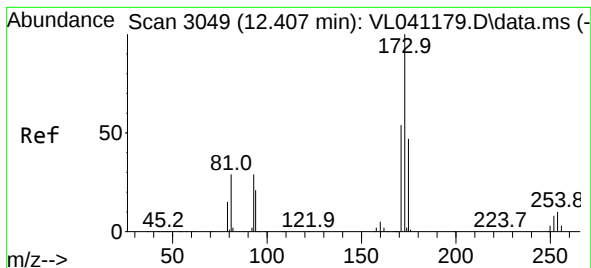
Delta R.T. 0.003 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Tgt Ion:129	Resp: 40647
Ion Ratio	Lower Upper
129 100	
127 82.1	39.1 117.5





#49

Bromoform

Concen: 0.332 ppbv m

RT: 12.420 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

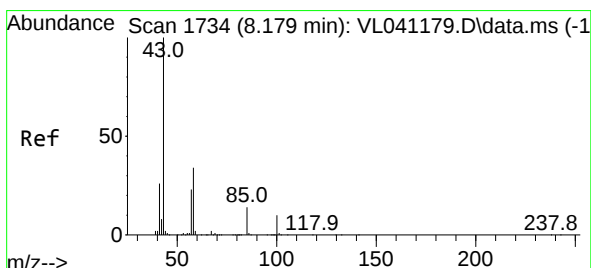
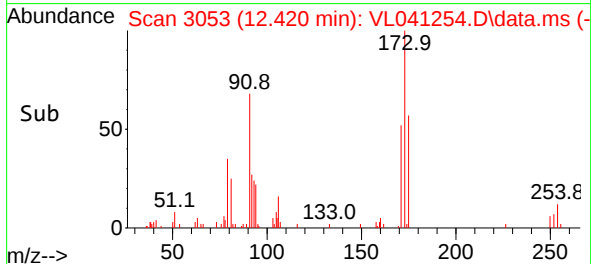
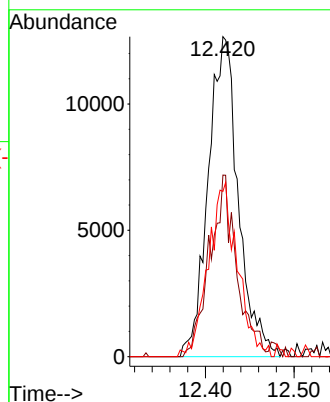
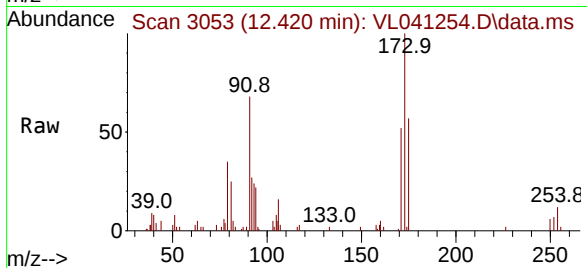
MDL-AIR-03-QT2-2024

Tgt Ion: 173	Resp: 2995
Ion Ratio	Lower Upper
173 100	
175 52.3	39.8 59.8
171 52.5	41.8 62.8

Manual Integrations

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



#50

4-Methyl-2-Pentanone

Concen: 0.390 ppbv m

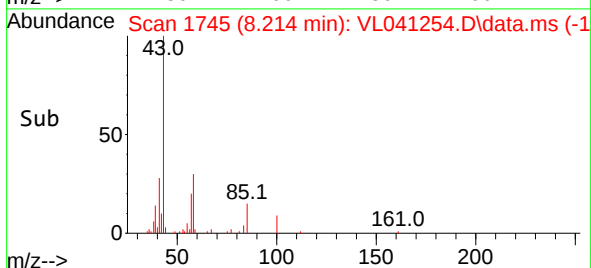
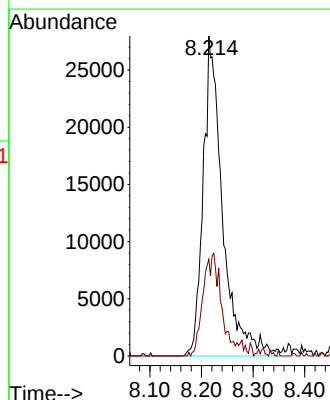
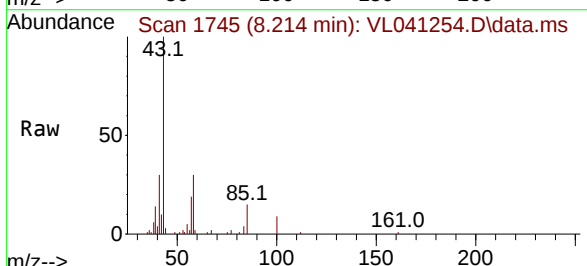
RT: 8.214 min Scan# 1745

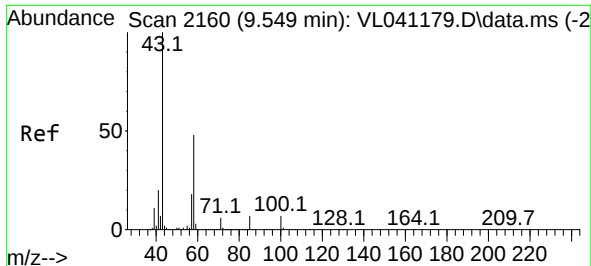
Delta R.T. 0.019 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

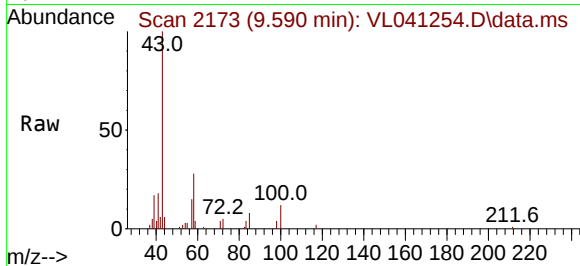
Tgt Ion: 43	Resp: 73281
Ion Ratio	Lower Upper
43 100	
58 0.0	27.7 41.5





#51
2-Hexanone
Concen: 0.355 ppbv m
RT: 9.590 min Scan# 2160
Delta R.T. 0.026 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

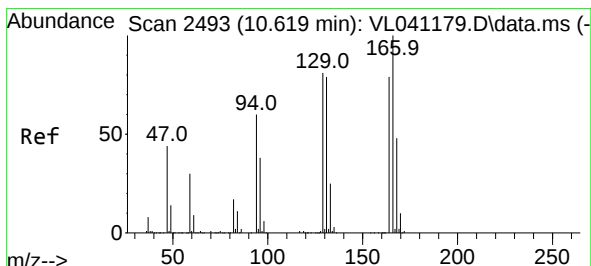
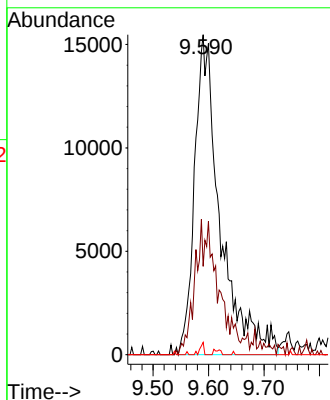
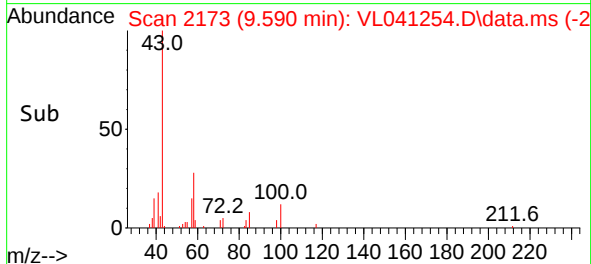
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 43 Resp: 49414
Ion Ratio Lower Upper
43 100
58 40.5 38.4 57.6
98 0.6 0.0 0.0

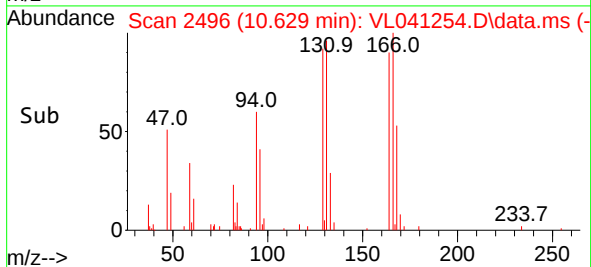
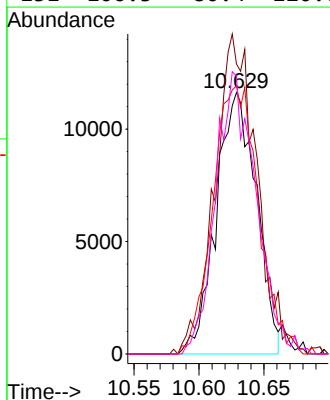
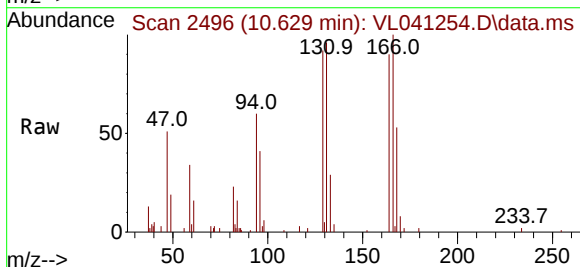
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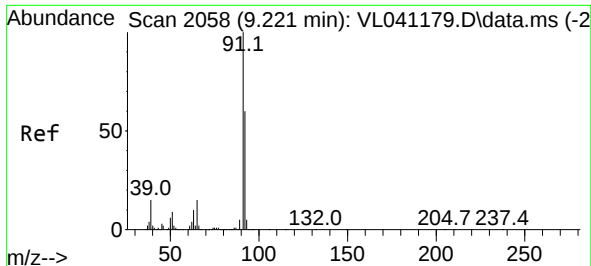
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#52
Tetrachloroethene
Concen: 0.413 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

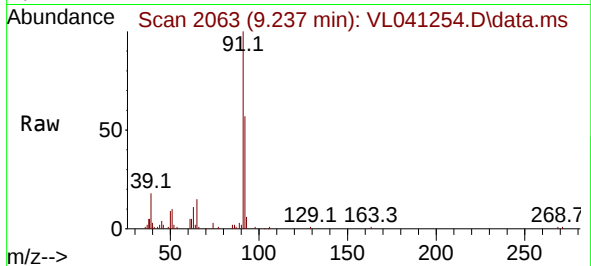
Tgt Ion:164 Resp: 25058
Ion Ratio Lower Upper
164 100
166 111.0 101.1 151.7
129 102.6 81.7 122.5
131 106.3 80.4 120.6





#53
Toluene
Concen: 0.361 ppbv
RT: 9.237 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

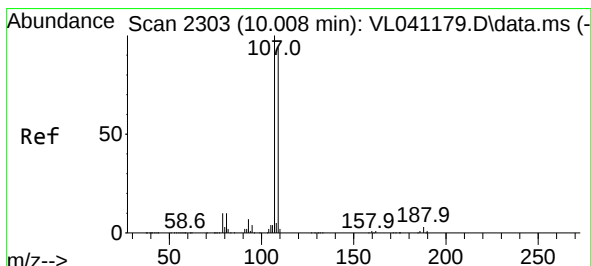
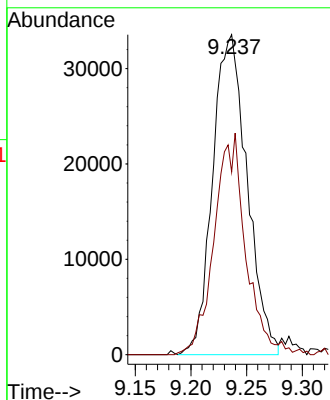
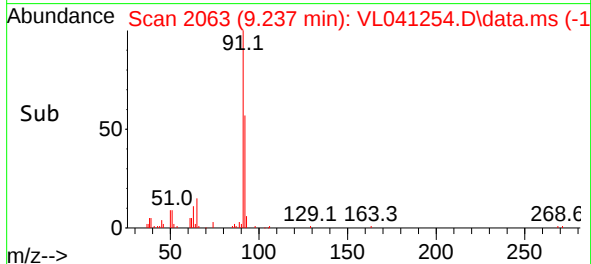
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 91 Resp: 72204
Ion Ratio Lower Upper
91 100
92 63.6 48.2 72.4

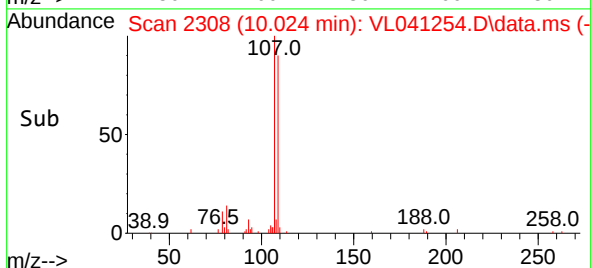
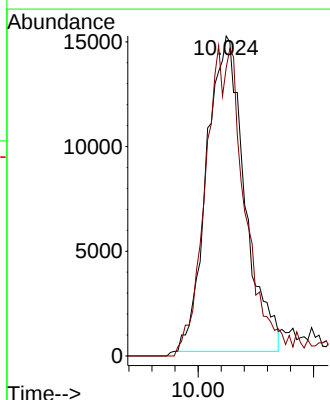
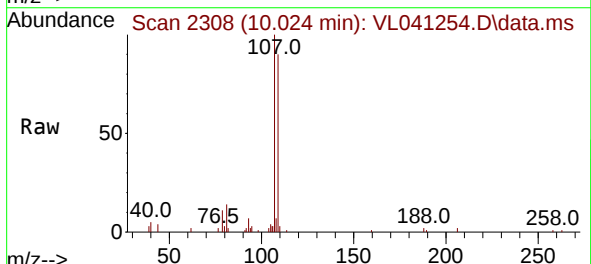
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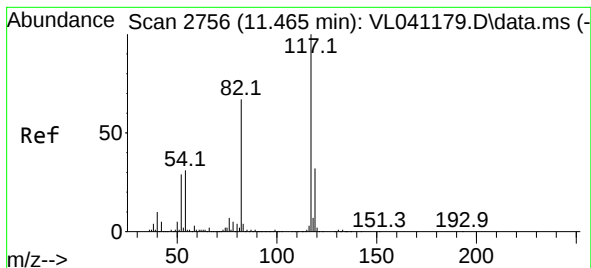
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#54
1,2-Dibromoethane
Concen: 0.380 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

Tgt Ion:107 Resp: 34293
Ion Ratio Lower Upper
107 100
109 88.5 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2756

Delta R.T. -0.000 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion:117 Resp: 189105

Ion Ratio Lower Upper

117 100

82 64.5 53.6 80.4

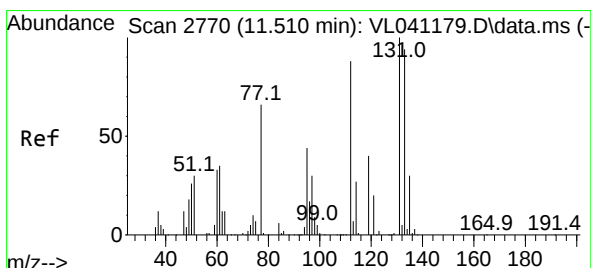
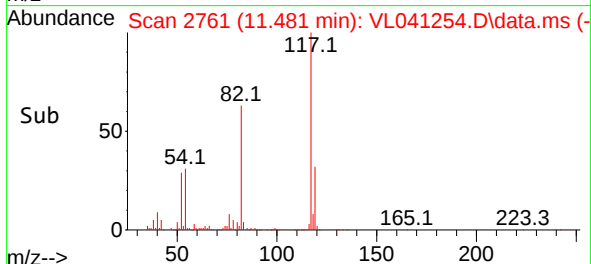
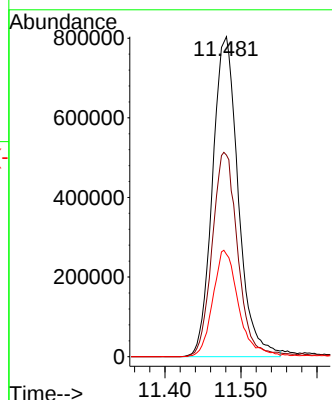
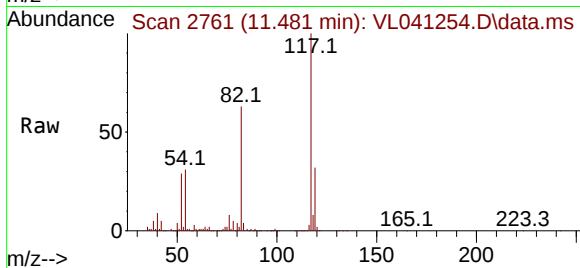
119 33.4 27.2 40.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 0.446 ppbv m

RT: 11.523 min Scan# 2774

Delta R.T. -0.000 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

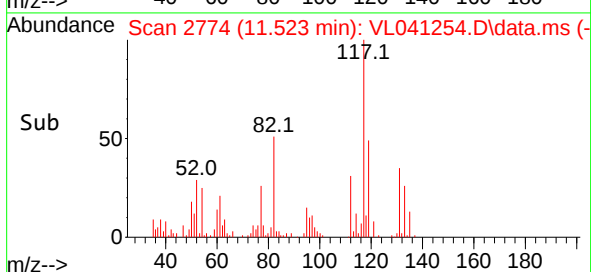
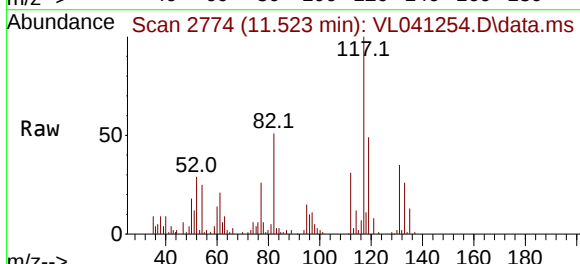
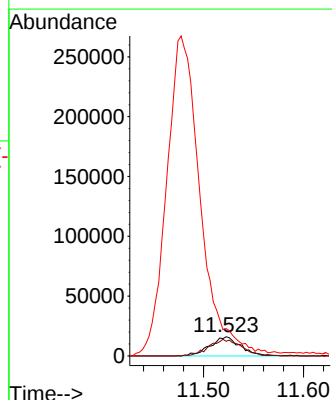
Tgt Ion:131 Resp: 34177

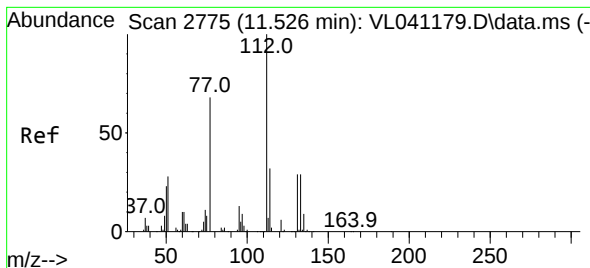
Ion Ratio Lower Upper

131 100

133 91.3 76.3 114.5

119 0.0 49.4 74.2#





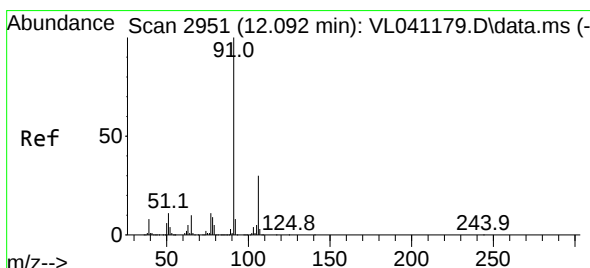
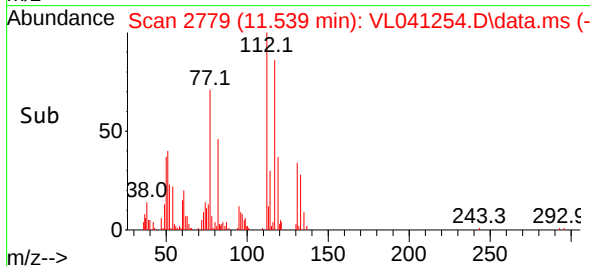
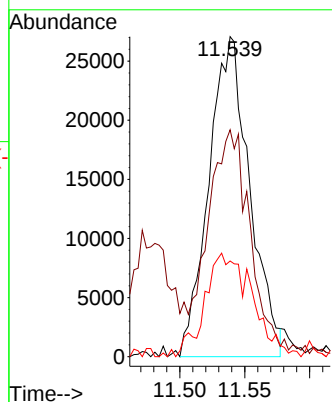
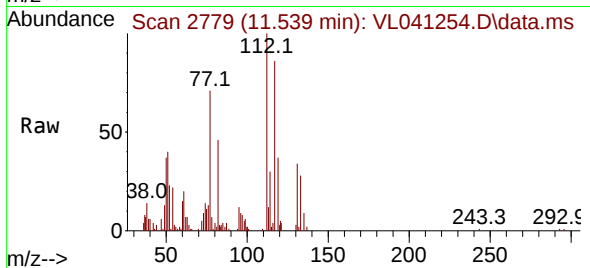
#57
Chlorobenzene
Concen: 0.427 ppbv
RT: 11.539 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

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

Tgt Ion:112 Resp: 59154
Ion Ratio Lower Upper
112 100
77 67.7 54.9 82.3
114 28.1 28.7 35.1

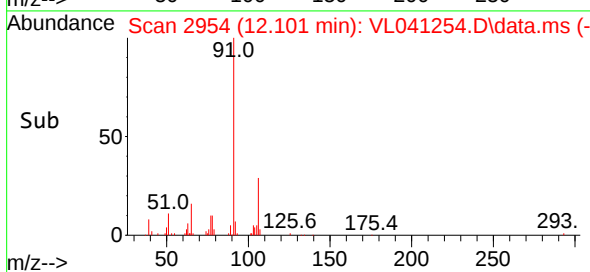
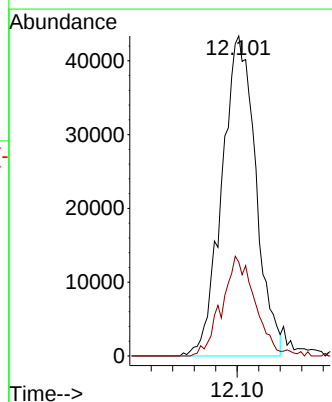
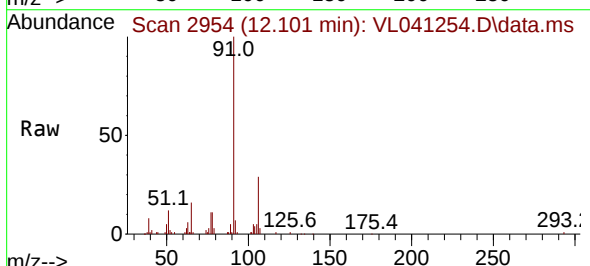
Manual Integrations
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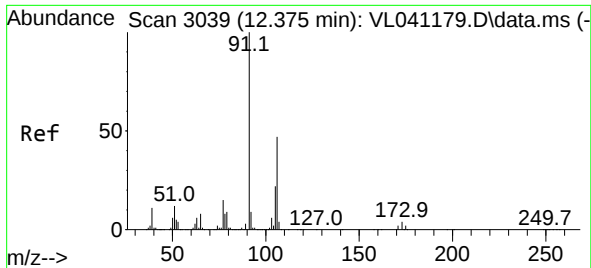
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#58
Ethyl Benzene
Concen: 0.366 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

Tgt Ion: 91 Resp: 94793
Ion Ratio Lower Upper
91 100
106 29.4 24.3 36.5





#59

m/p-Xylene

Concen: 0.783 ppbv m

RT: 12.381 min Scan# 3039

Delta R.T. -0.003 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion: 91 Resp: 17065

Ion Ratio Lower Upper

91 100

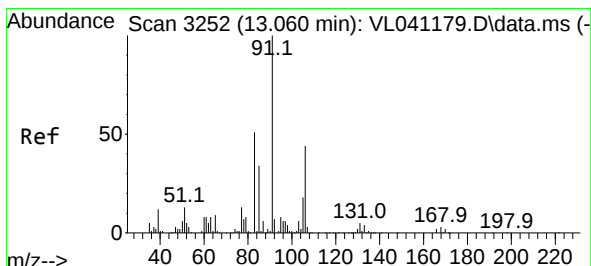
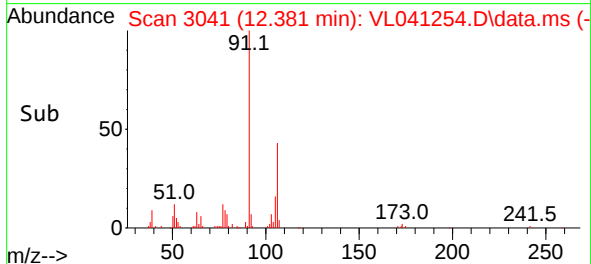
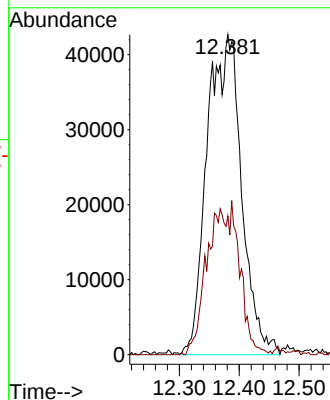
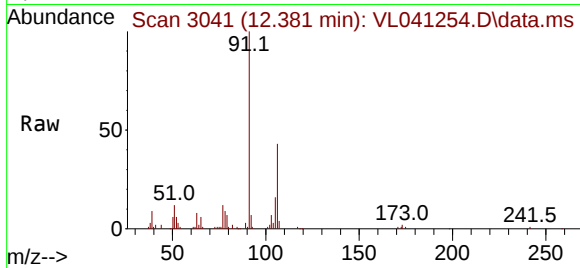
106 44.0 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#60

o-Xylene

Concen: 0.403 ppbv m

RT: 13.072 min Scan# 3256

Delta R.T. 0.003 min

Lab File: VL041254.D

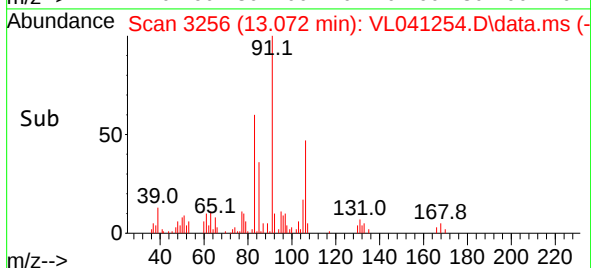
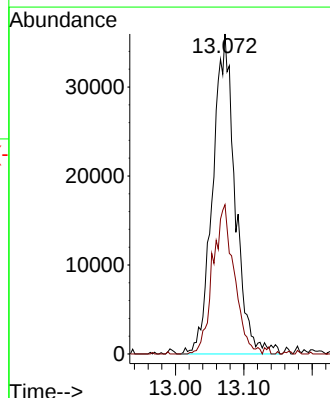
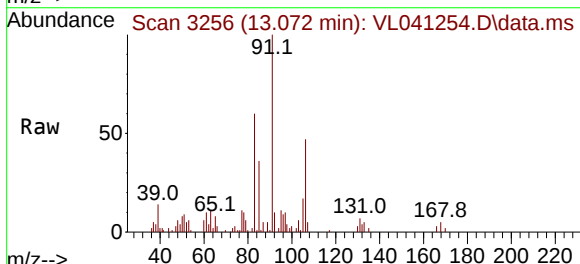
Acq: 9 May 2024 12:07

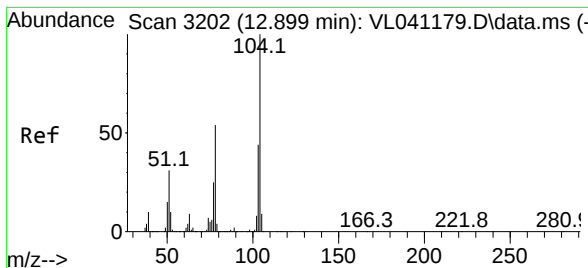
Tgt Ion: 91 Resp: 82411

Ion Ratio Lower Upper

91 100

106 0.0 22.4 67.3#





#61

Styrene

Concen: 0.318 ppbv m

RT: 12.912 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

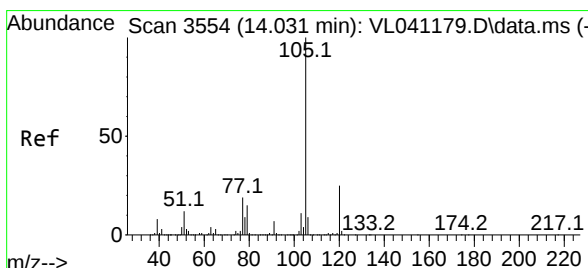
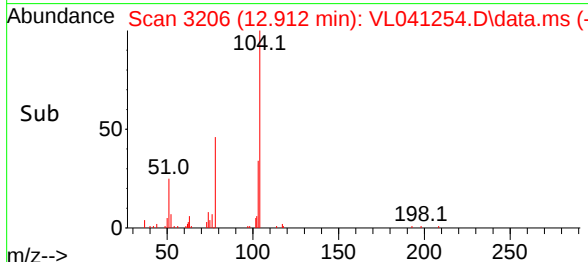
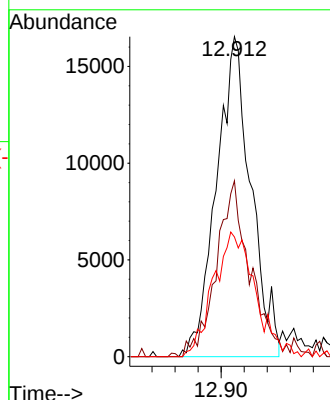
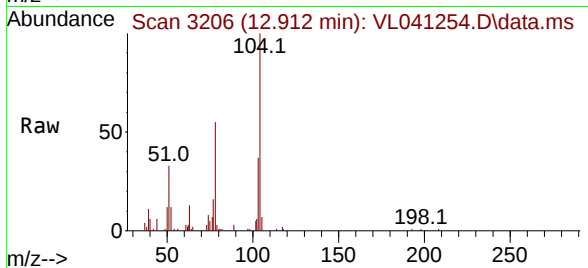
MDL-AIR-03-QT2-2024

Tgt Ion:104 Resp: 3433
 Ion Ratio Lower Upper
 104 100
 78 56.4 42.6 63.8
 103 47.9 38.4 57.6

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 0.409 ppbv

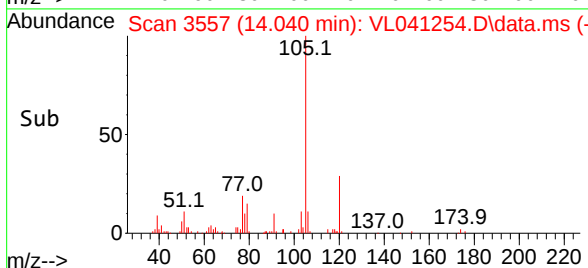
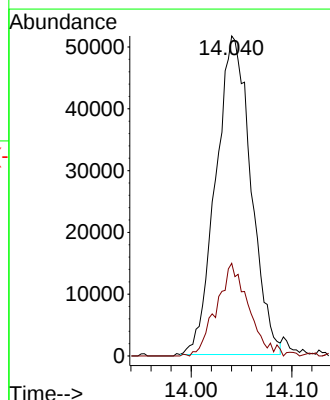
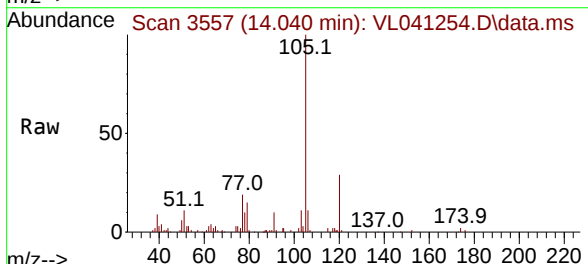
RT: 14.040 min Scan# 3557

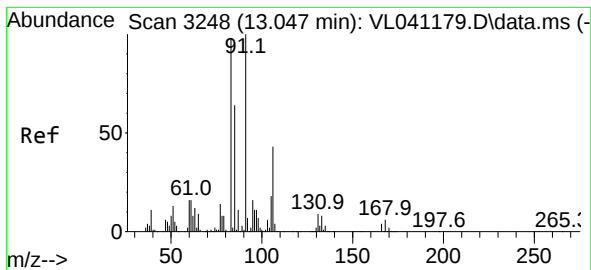
Delta R.T. -0.003 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Tgt Ion:105 Resp: 124979
 Ion Ratio Lower Upper
 105 100
 120 26.6 20.2 30.2





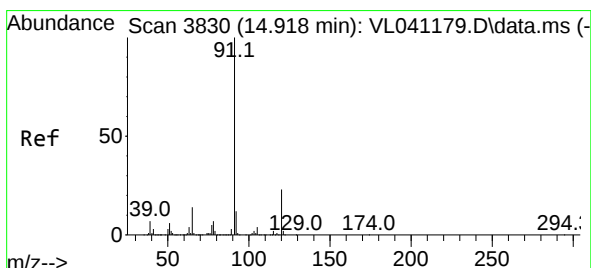
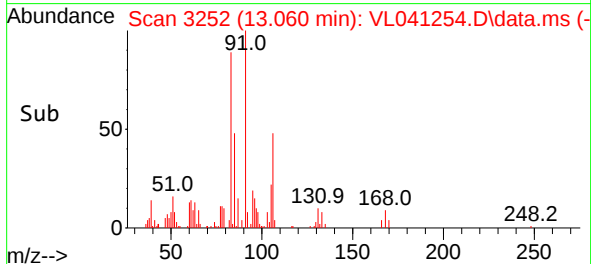
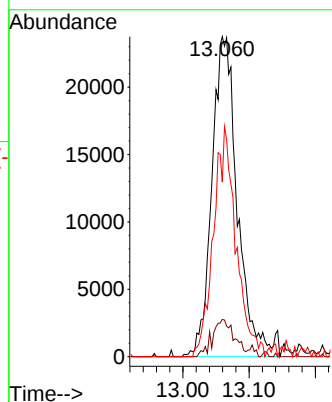
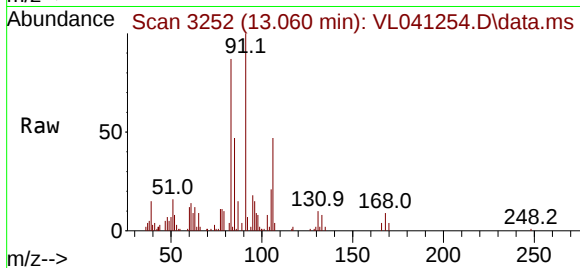
#63
1,1,2,2-Tetrachloroethane
Concen: 0.460 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

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

Tgt Ion: 83 Resp: 6398
Ion Ratio Lower Upper
83 100
131 11.0 4.5 13.5
85 0.0 32.7 98.1

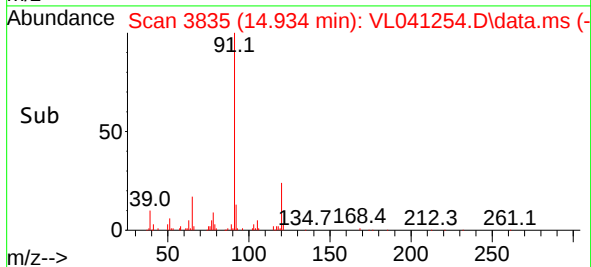
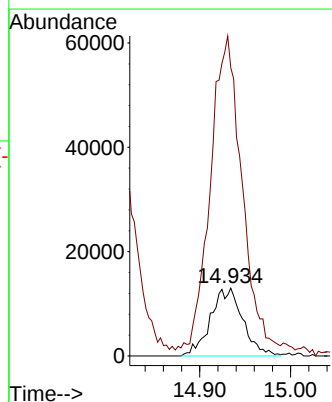
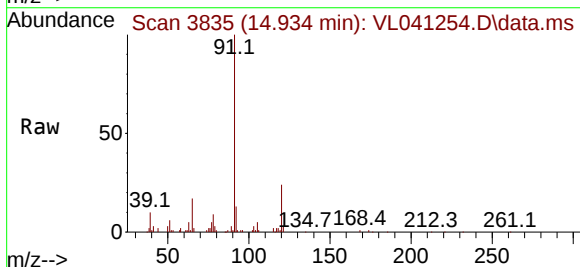
Manual Integrations
APPROVED

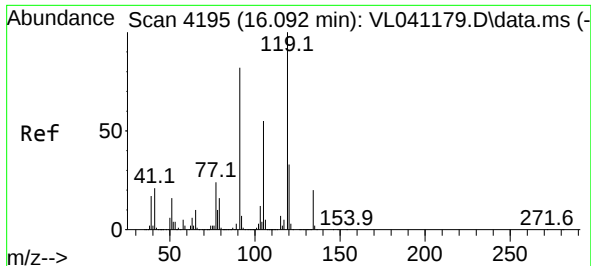
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#64
n-propylbenzene
Concen: 0.421 ppbv m
RT: 14.934 min Scan# 3835
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

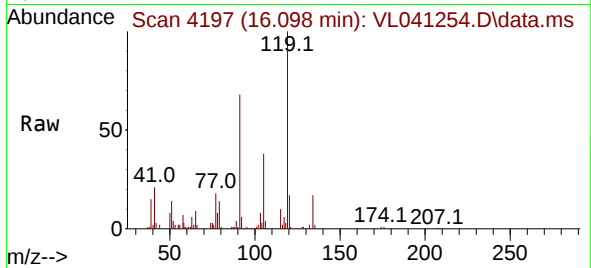
Tgt Ion:120 Resp: 32067
Ion Ratio Lower Upper
120 100
91 483.3 384.8 577.2





#65
tert-Butylbenzene
Concen: 0.411 ppbv m
RT: 16.098 min Scan# 4195
Delta R.T. -0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

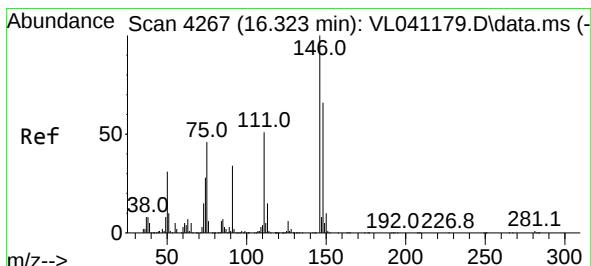
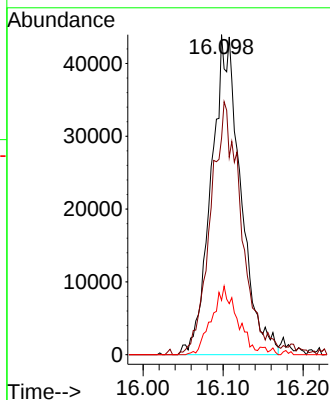
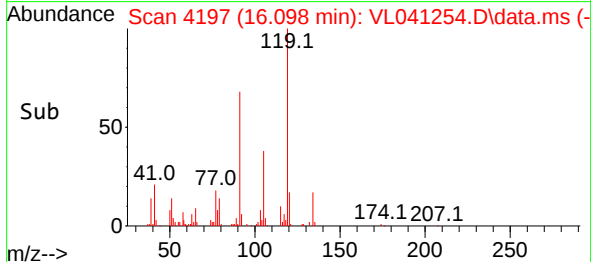
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2024



Tgt Ion: 119 Resp: 11251
Ion Ratio Lower Upper
119 100
91 84.4 67.0 100.4
134 19.5 15.2 22.8

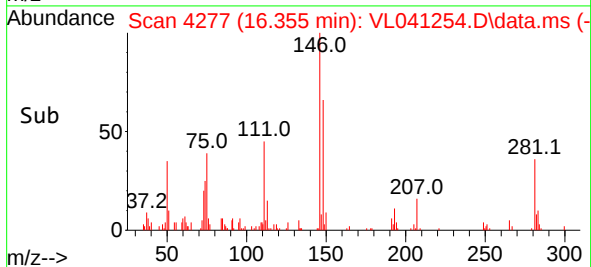
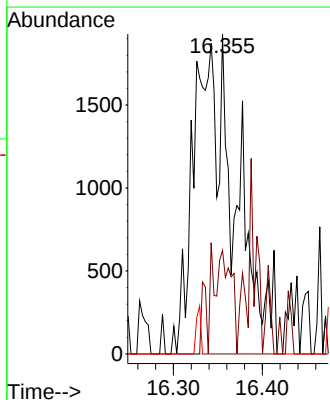
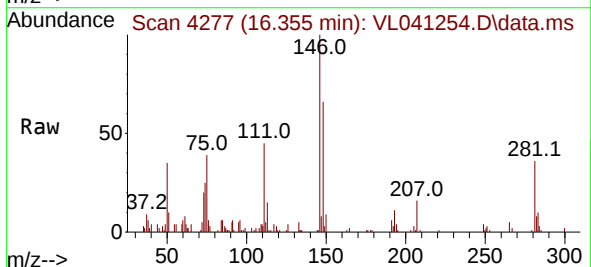
Manual Integrations
APPROVED

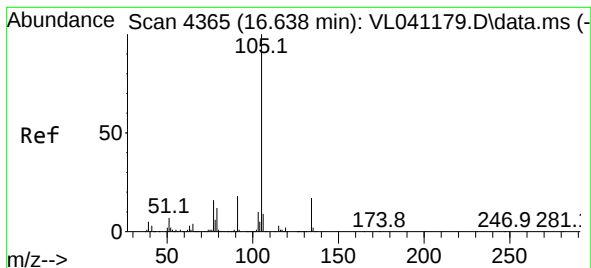
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#66
Benzyl Chloride
Concen: 0.195 ppbv m
RT: 16.355 min Scan# 4277
Delta R.T. 0.010 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

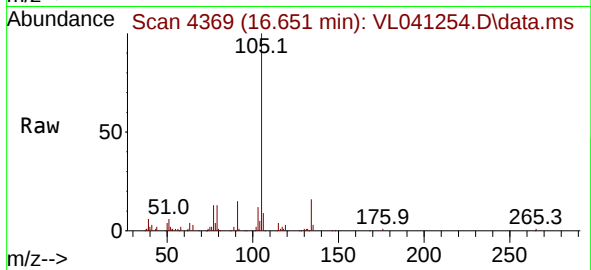
Tgt Ion: 91 Resp: 6045
Ion Ratio Lower Upper
91 100
126 21.1 14.6 21.8
128 0.0 4.7 7.1#





#67
 sec-Butylbenzene
 Concen: 0.410 ppbv m
 RT: 16.651 min Scan# 4369
 Delta R.T. 0.003 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

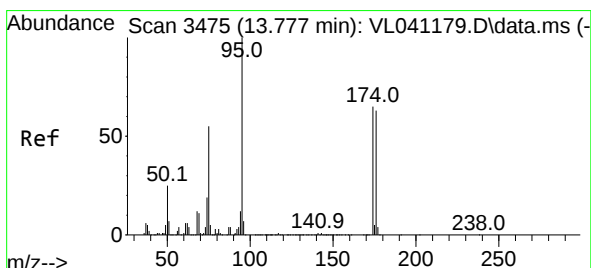
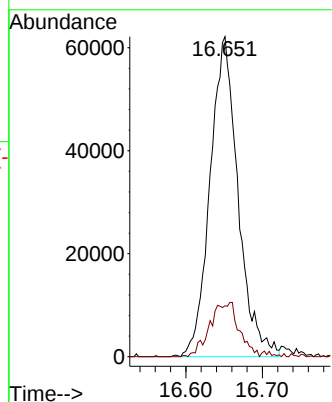
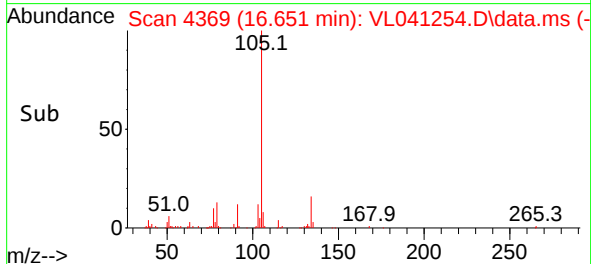
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024



Tgt Ion: 105 Resp: 158060
 Ion Ratio Lower Upper
 105 100
 134 18.2 13.8 20.8

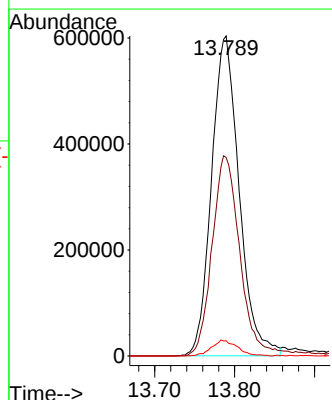
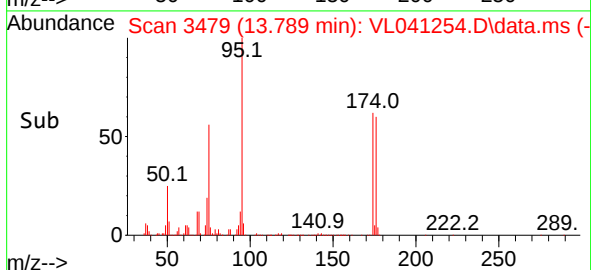
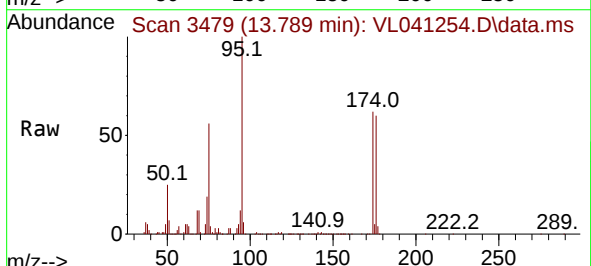
Manual Integrations
 APPROVED

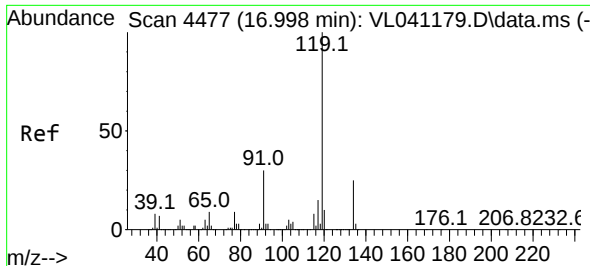
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.137 ppbv
 RT: 13.789 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL041254.D
 Acq: 9 May 2024 12:07

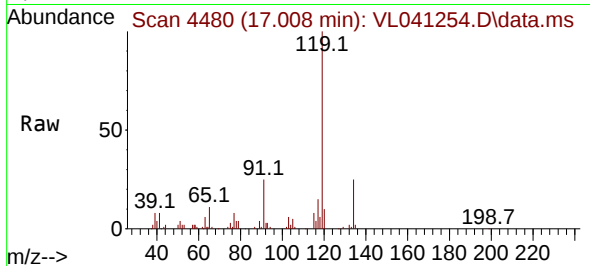
Tgt Ion: 95 Resp: 1447270
 Ion Ratio Lower Upper
 95 100
 174 65.0 53.6 80.4
 175 4.7 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.392 ppbv m
RT: 17.008 min Scan# 4477
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

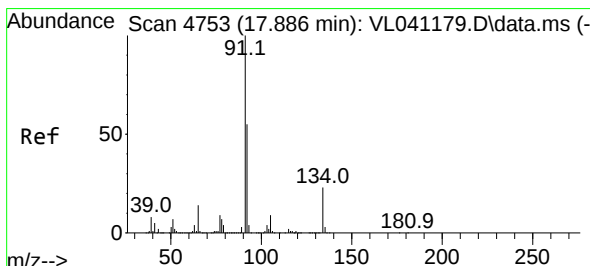
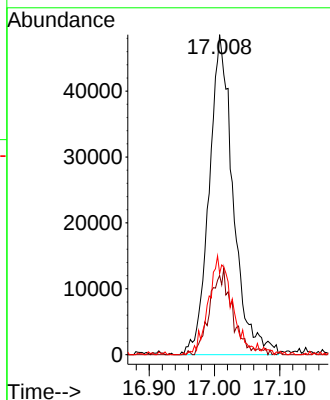
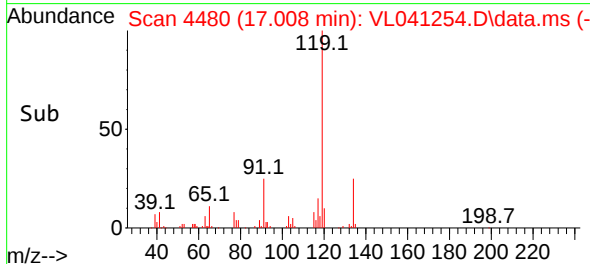
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



Tgt Ion: 119 Resp: 124379
Ion Ratio Lower Upper
119 100
134 0.0 20.1 30.1
91 31.0 24.2 36.2

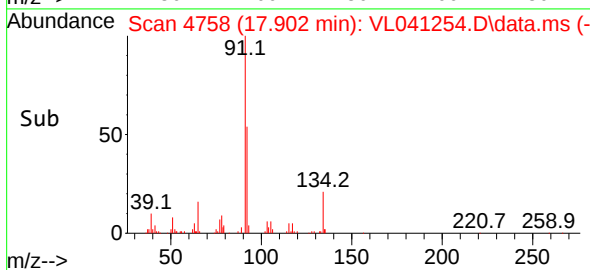
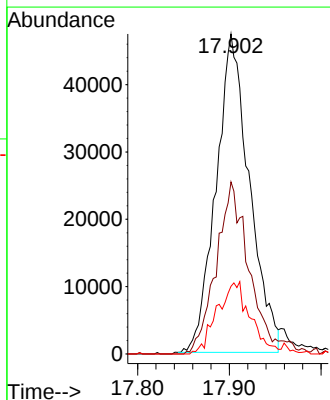
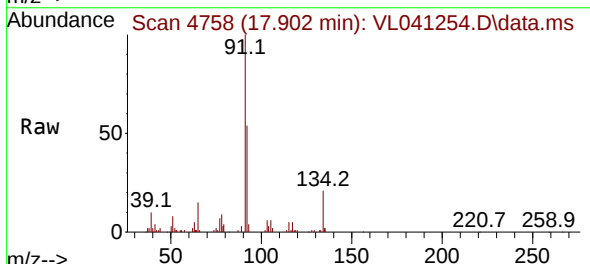
Manual Integrations
APPROVED

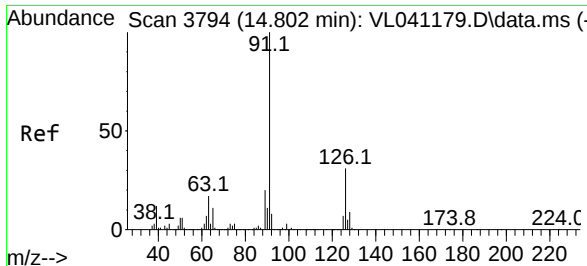
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#70
n-Butylbenzene
Concen: 0.361 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

Tgt Ion: 91 Resp: 119642
Ion Ratio Lower Upper
91 100
92 54.1 43.3 64.9
134 23.5 17.8 26.8





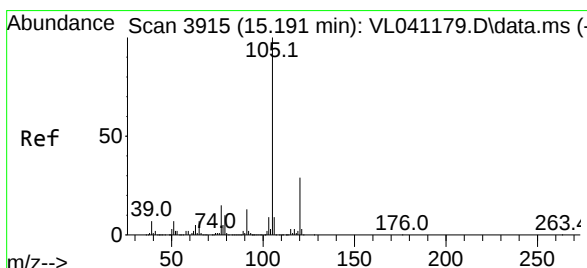
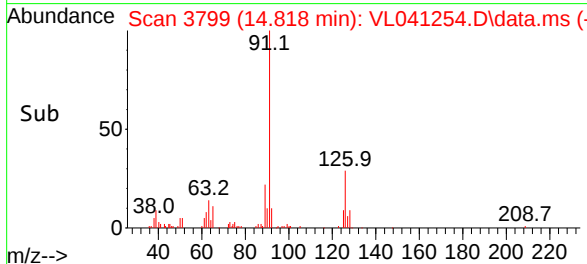
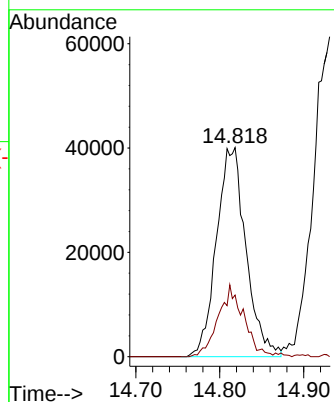
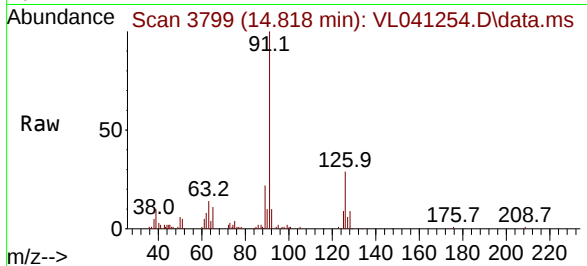
#71
2-Chlorotoluene
Concen: 0.421 ppbv m
RT: 14.818 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

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

Tgt Ion: 91 Resp: 97880
Ion Ratio Lower Upper
91 100
126 30.3 12.2 48.8

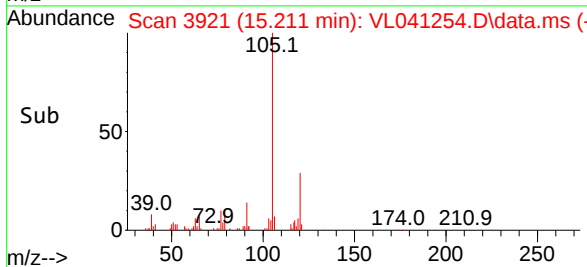
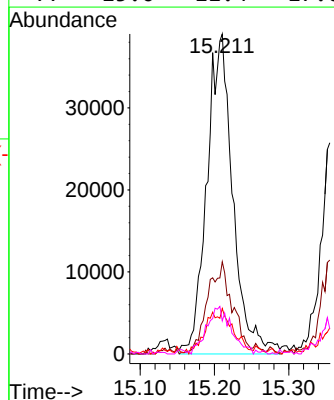
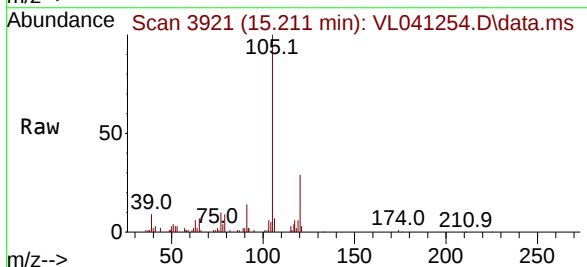
Manual Integrations
APPROVED

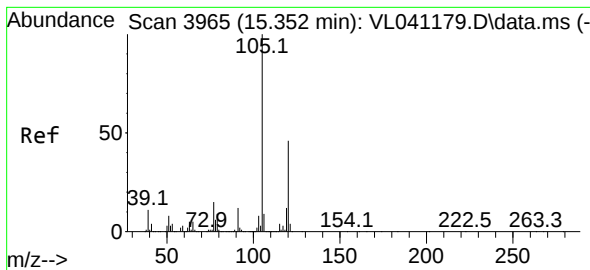
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#72
4-Ethyltoluene
Concen: 0.410 ppbv m
RT: 15.211 min Scan# 3921
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

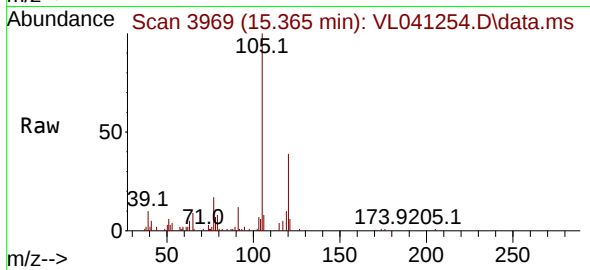
Tgt Ion:105 Resp: 94766
Ion Ratio Lower Upper
105 100
120 29.1 24.7 37.1
91 14.6 10.3 15.5
77 15.0 11.4 17.0





#73
1,3,5-Trimethylbenzene
Concen: 0.391 ppbv m
RT: 15.365 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

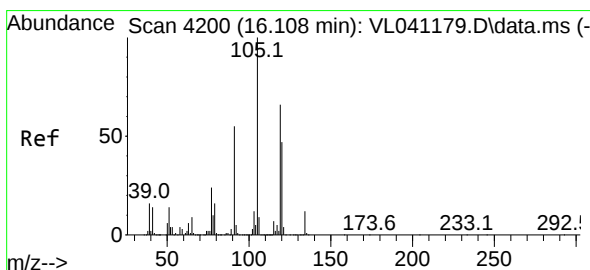
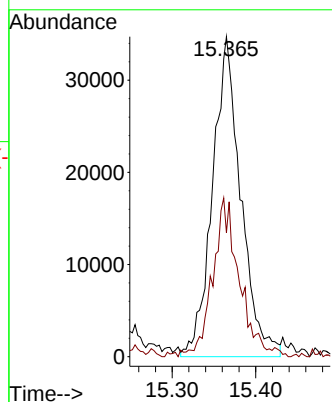
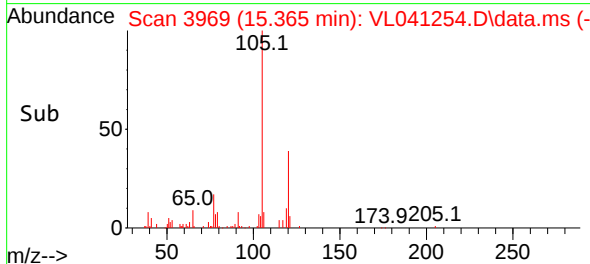
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2024



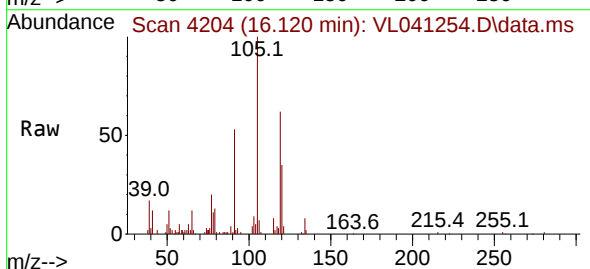
Tgt Ion:105 Resp: 8184
Ion Ratio Lower Upper
105 100
120 38.7 37.0 55.4

Manual Integrations
APPROVED

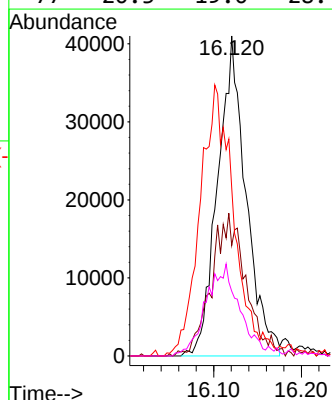
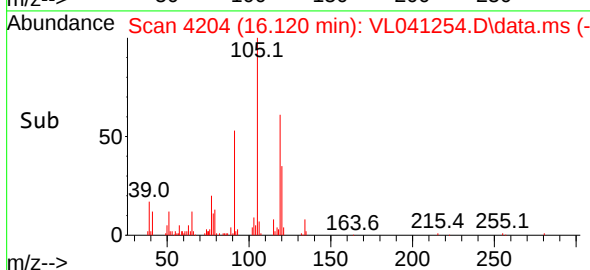
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

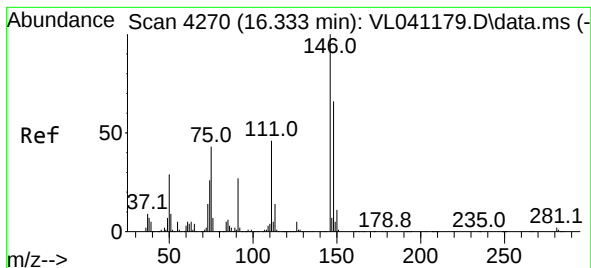


#74
1,2,4-Trimethylbenzene
Concen: 0.403 ppbv m
RT: 16.120 min Scan# 4204
Delta R.T. -0.000 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07



Tgt Ion:105 Resp: 92058
Ion Ratio Lower Upper
105 100
120 34.6 37.8 56.6#
91 52.6 44.3 66.5
77 20.3 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.420 ppbv m

RT: 16.349 min Scan# 4318

Delta R.T. 0.006 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

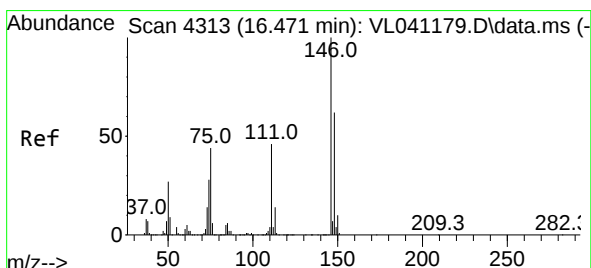
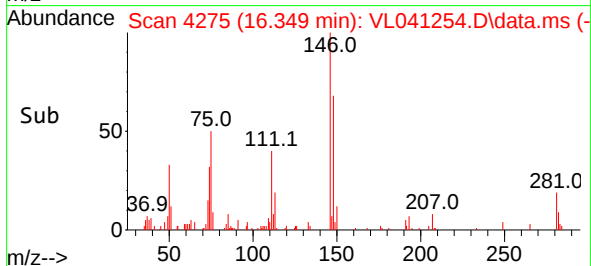
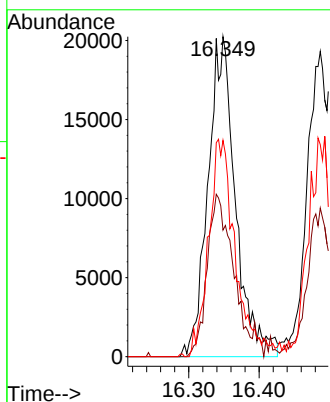
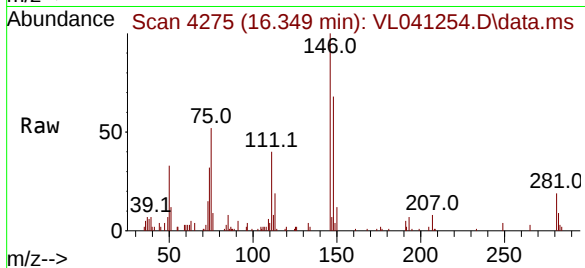
MDL-AIR-03-QT2-2024

Tgt Ion:146	Resp:	55092
Ion Ratio	Lower	Upper
146	100	
111	50.7	23.7 71.1
148	66.6	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: 0.426 ppbv m

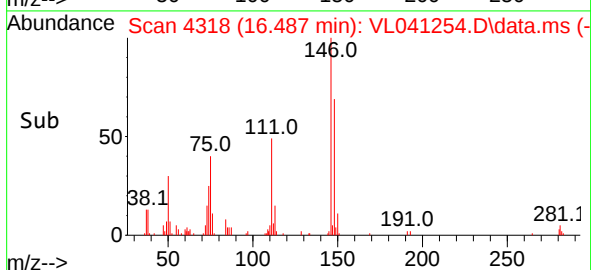
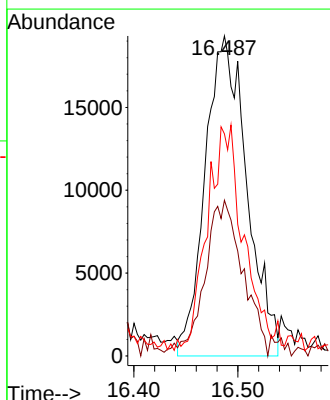
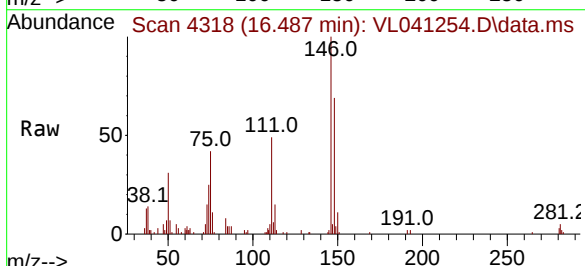
RT: 16.487 min Scan# 4318

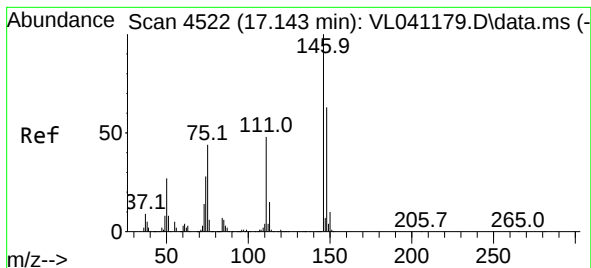
Delta R.T. 0.003 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Tgt Ion:146	Resp:	53651
Ion Ratio	Lower	Upper
146	100	
111	47.0	23.3 69.8
148	0.0	32.6 97.7#





#77

1,2-Dichlorobenzene

Concen: 0.424 ppbv m

RT: 17.153 min Scan# 4

Delta R.T. -0.006 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

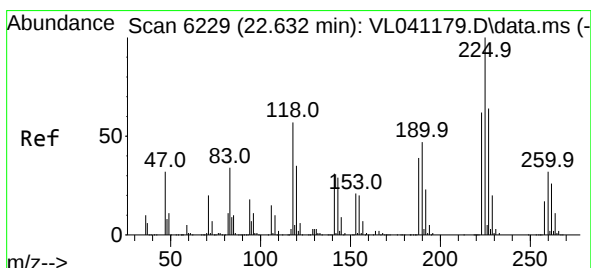
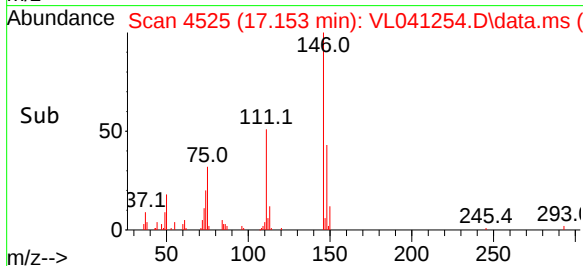
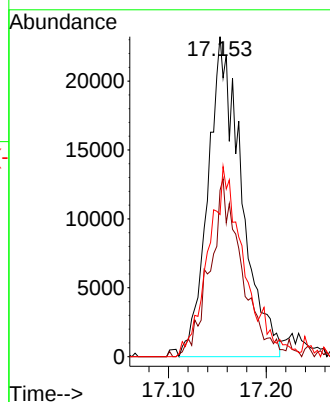
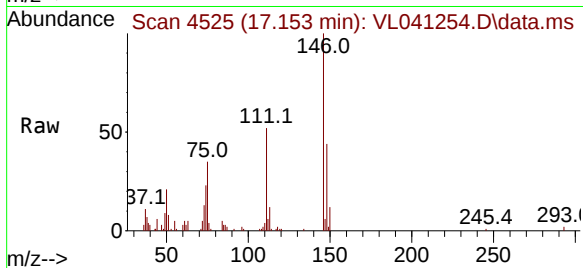
MDL-AIR-03-QT2-2024

Tgt Ion:146	Resp:	5561
Ion Ratio	Lower	Upper
146	100	
111	53.7	24.5 73.5
148	65.2	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: 0.425 ppbv m

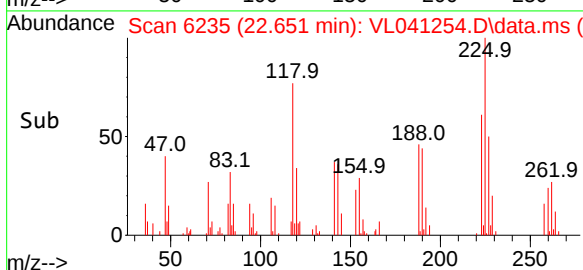
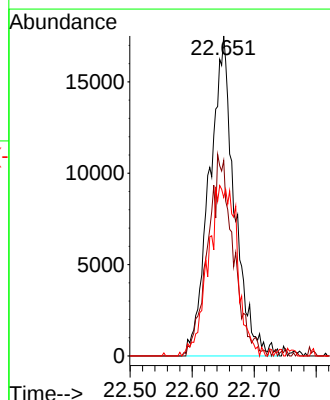
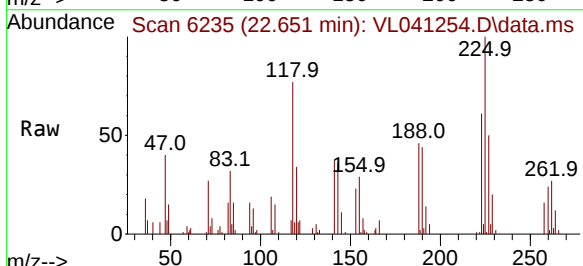
RT: 22.651 min Scan# 6235

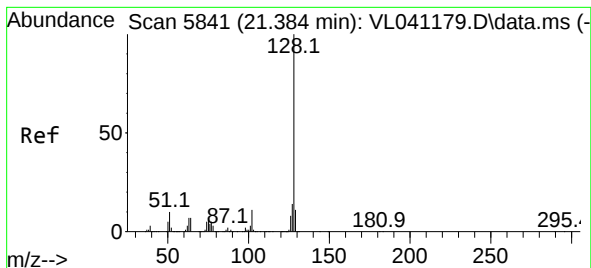
Delta R.T. 0.003 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

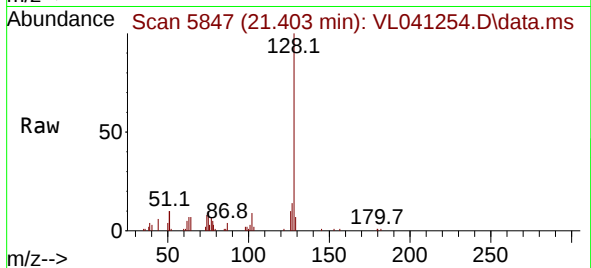
Tgt Ion:225	Resp:	49532
Ion Ratio	Lower	Upper
225	100	
223	65.1	50.9 76.3
227	62.0	52.0 78.0





#79
Naphthalene
Concen: 0.254 ppbv m
RT: 21.403 min Scan# 5841
Delta R.T. 0.003 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07

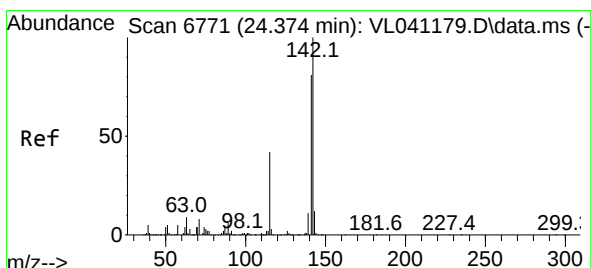
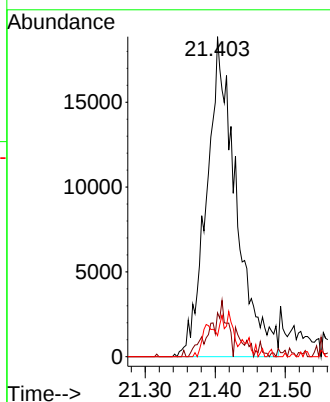
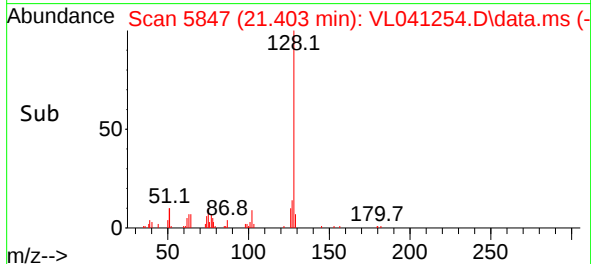
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2024



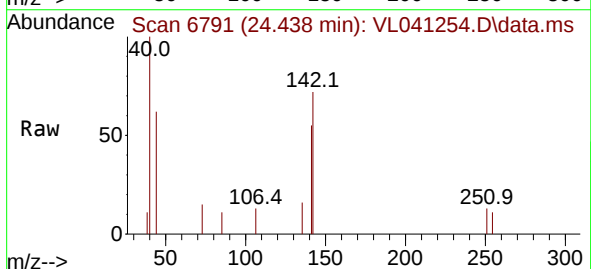
Tgt Ion:128 Resp: 55294
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 6.6 8.9 13.3

Manual Integrations
APPROVED

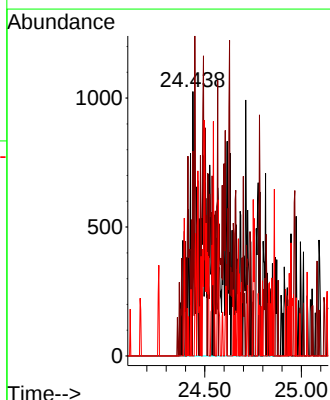
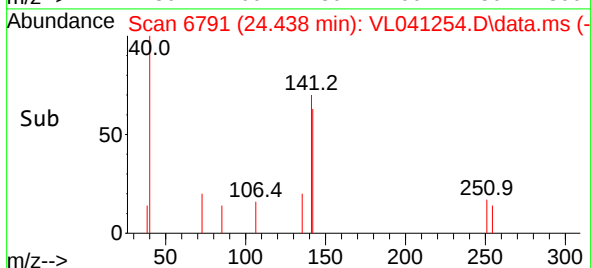
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

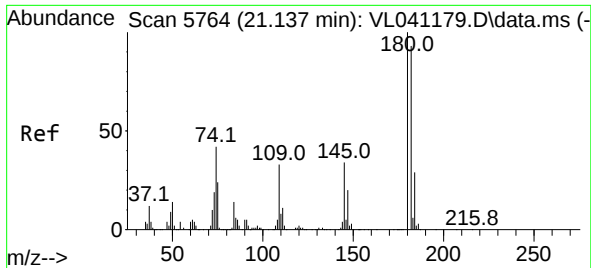


#80
Naphthalene,2-methyl-
Concen: 0.105 ppbv m
RT: 24.438 min Scan# 6791
Delta R.T. 0.051 min
Lab File: VL041254.D
Acq: 9 May 2024 12:07



Tgt Ion:142 Resp: 9221
Ion Ratio Lower Upper
142 100
141 5.7 67.9 101.9#
115 2.1 31.4 47.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.290 ppbv m

RT: 21.165 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL041254.D

Acq: 9 May 2024 12:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2024

Tgt Ion:180 Resp: 33369

Ion Ratio Lower Upper

180 100

182 0.0 77.2 115.8

184 0.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024

