

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041667.D
 Acq On : 14 Oct 2024 14:20
 Operator : SY/MD
 Sample : P4368-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Quant Time: Oct 15 02:41:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

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

Internal Standards						
1) Bromochloromethane	5.201	49	975237	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.668	114	2659806	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.487	117	2399007	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1841091	10.425	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	95685	0.679	ppbv	97
3) Chlorodifluoromethane	2.671	51	58915	0.498	ppbv	99
4) Chloromethane	2.812	50	33399	0.513	ppbv	91
5) Vinyl Chloride	2.922	62	26656	0.473	ppbv	98
6) Bromomethane	3.121	94	13395	0.478	ppbv	92
7) Chloroethane	3.198	64	10295	0.470	ppbv	95
8) Dichlorotetrafluoroethane	2.854	85	75184	0.509	ppbv	97
9) Propene	2.690	41	21246m	0.426	ppbv	
10) Heptane	7.603	43	38025	0.325	ppbv	94
11) Trichlorofluoromethane	3.565	101	70113	0.468	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	52167	0.481	ppbv	98
13) Ethanol	3.266	45	1251m	0.334	ppbv	
14) Bromoethene	3.365	108	19435m	0.472	ppbv	
15) Acetone	3.491	43	67381	0.550	ppbv	93
16) 1,3-Butadiene	2.986	39	27219m	0.457	ppbv	
17) tert-Butyl alcohol	3.902	59	34364m	0.319	ppbv	
18) 1,1-Dichloroethene	3.886	96	22121	0.481	ppbv	96
19) Isopropyl Alcohol	3.603	45	15925m	0.254	ppbv	
20) Methylene Chloride	3.938	84	24470m	0.532	ppbv	
21) Allyl Chloride	3.999	41	33903m	0.478	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	20604	0.449	ppbv	96
23) Vinyl Acetate	4.645	43	29488m	0.438	ppbv	
24) 1,1-Dichloroethane	4.565	63	48215	0.477	ppbv #	94
25) Ethyl Acetate	5.227	43	88531	0.403	ppbv	97
26) Hexane	5.224	57	31383	0.342	ppbv #	65
27) Carbon Disulfide	4.131	76	38474m	0.395	ppbv	
28) Methyl tert-Butyl Ether	4.607	73	23956m	0.424	ppbv	
29) Chloroform	5.282	83	75369m	0.502	ppbv	
30) Cyclohexane	6.616	84	27412m	0.388	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	32123m	0.369	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	62264	0.466	ppbv	93
34) 2-Butanone	4.819	43	54138m	0.427	ppbv	
35) Carbon Tetrachloride	6.507	117	66232	0.508	ppbv	94
36) Benzene	6.381	78	70348m	0.381	ppbv	
37) 1,2-Dichloroethane	5.816	62	47602	0.444	ppbv	98
38) Trichloroethene	7.307	130	36997m	0.389	ppbv	
39) 1,2-Dichloropropane	7.086	63	33355m	0.444	ppbv	
40) 1,4-Dioxane	7.356	88	3390m	0.120	ppbv	
41) Tetrahydrofuran	5.600	42	21765m	0.312	ppbv	
42) Bromodichloromethane	7.266	83	65166	0.437	ppbv #	98
43) Methyl Methacrylate	7.500	69	18574	0.281	ppbv	95
44) 2,2,4-Trimethylpentane	7.346	57	110474	0.346	ppbv #	83
45) t-1,3-Dichloropropene	8.732	75	15230m	0.286	ppbv	

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 MDL-AIR-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 02:41:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

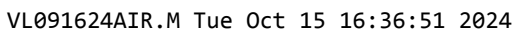
Response via : Initial Calibration

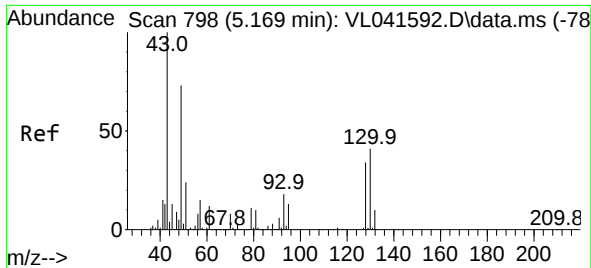
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	23099m	0.296	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	36970m	0.463	ppbv	
48) Dibromochloromethane	9.735	129	47565	0.393	ppbv	98
49) Bromoform	12.426	173	37692m	0.363	ppbv	
50) 4-Methyl-2-Pentanone	8.221	43	64917m	0.331	ppbv	
51) 2-Hexanone	9.600	43	40399m	0.273	ppbv	
52) Tetrachloroethene	10.638	164	25799m	0.386	ppbv	
53) Toluene	9.243	91	53576m	0.273	ppbv	
54) 1,2-Dibromoethane	10.028	107	39740m	0.404	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.532	131	46352m	0.495	ppbv	
57) Chlorobenzene	11.545	112	83930	0.485	ppbv #	89
58) Ethyl Benzene	12.114	91	73346	0.286	ppbv	97
59) m/p-Xylene	12.394	91	149797m	0.655	ppbv	
60) o-Xylene	13.082	91	67664m	0.309	ppbv	
61) Styrene	12.918	104	20831m	0.228	ppbv	
62) Isopropylbenzene	14.050	105	126366m	0.381	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.076	83	56369m	0.503	ppbv	
64) n-propylbenzene	14.937	120	29195m	0.340	ppbv	
65) tert-Butylbenzene	16.121	119	107065m	0.352	ppbv	
66) Benzyl Chloride	16.352	91	7384m	0.467	ppbv	
67) sec-Butylbenzene	16.664	105	151897	0.360	ppbv	99
69) p-Isopropyltoluene	17.024	119	108806m	0.318	ppbv	
70) n-Butylbenzene	17.918	91	110127m	0.308	ppbv	
71) 2-Chlorotoluene	14.828	91	81263m	0.333	ppbv	
72) 4-Ethyltoluene	15.217	105	74731	0.292	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.381	105	71282m	0.315	ppbv	
74) 1,2,4-Trimethylbenzene	16.130	105	93802	0.354	ppbv	96
75) 1,3-Dichlorobenzene	16.358	146	66710m	0.402	ppbv	
76) 1,4-Dichlorobenzene	16.500	146	69755m	0.439	ppbv	
77) 1,2-Dichlorobenzene	17.169	146	68440	0.418	ppbv	96
78) Hexachloro-1,3-Butadiene	22.657	225	62819m	0.465	ppbv	
79) Naphthalene	21.429	128	36610m	0.188	ppbv	
80) Naphthalene,2-methyl-	24.487	142	7095m	0.052	ppbv	
81) 1,2,4-Trichlorobenzene	21.181	180	28375m	0.229	ppbv	

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

Manual Integrations

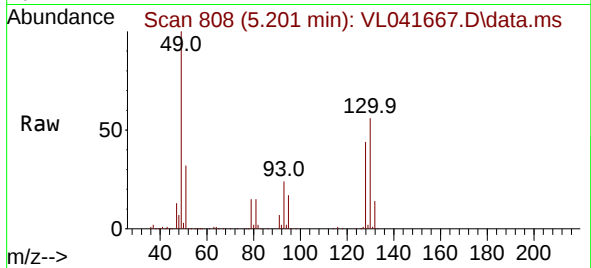
Quant Time: Oct 15 02:41:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.032 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

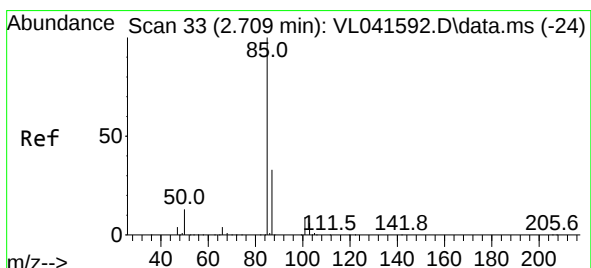
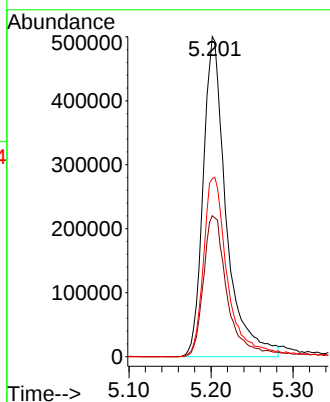
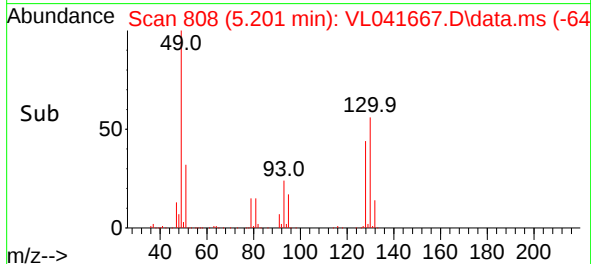
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 49 Resp: 97523
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.5
130 61.1 30.4 91.3

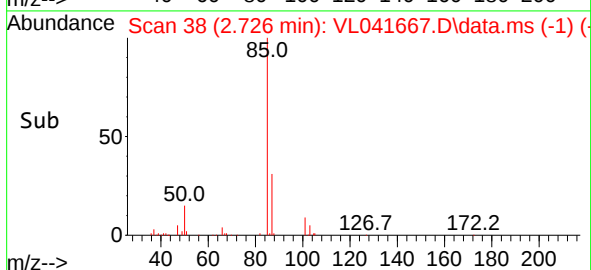
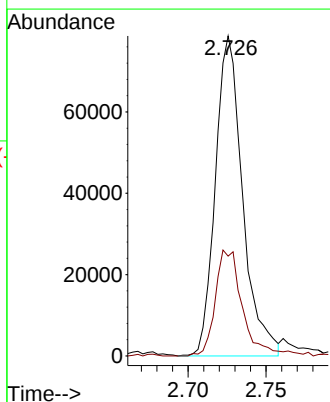
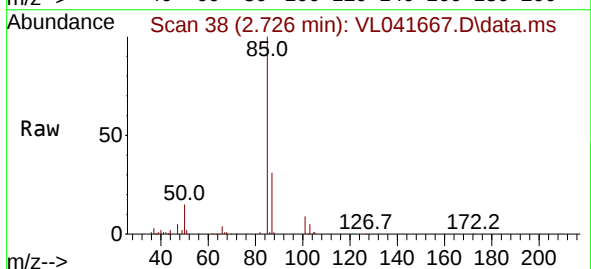
Manual Integrations
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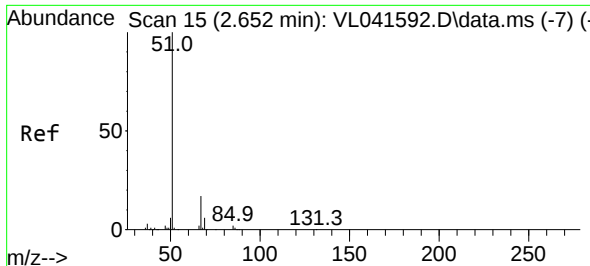
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#2
Dichlorodifluoromethane
Concen: 0.679 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.016 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 85 Resp: 95685
Ion Ratio Lower Upper
85 100
87 31.2 26.3 39.5





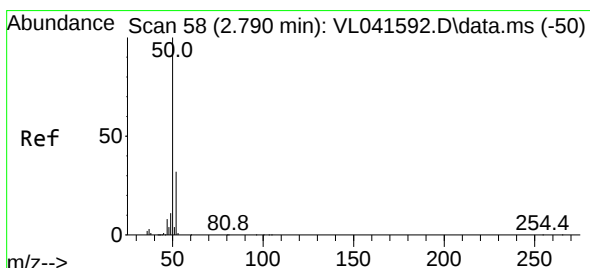
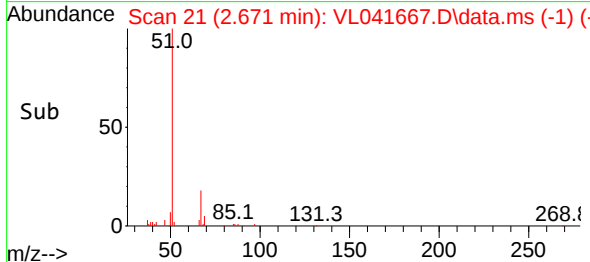
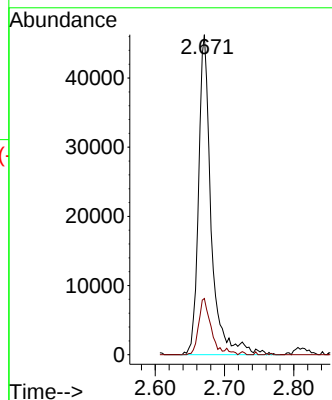
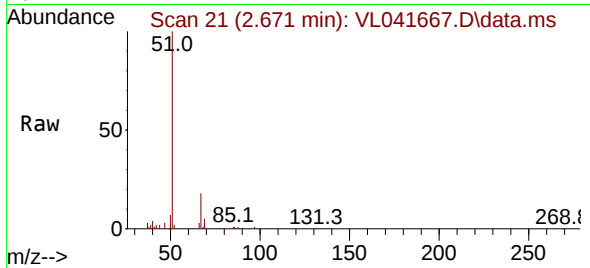
#3
Chlorodifluoromethane
Concen: 0.498 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 51 Resp: 58915
Ion Ratio Lower Upper
51 100
67 17.8 14.1 21.1

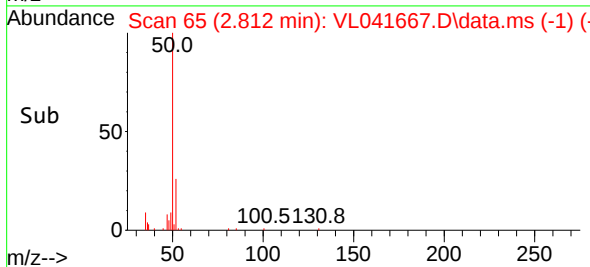
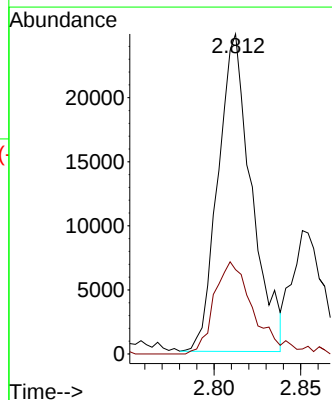
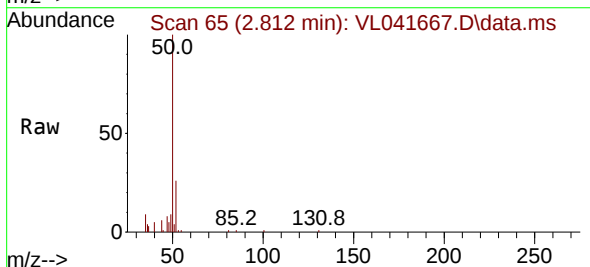
Manual Integrations
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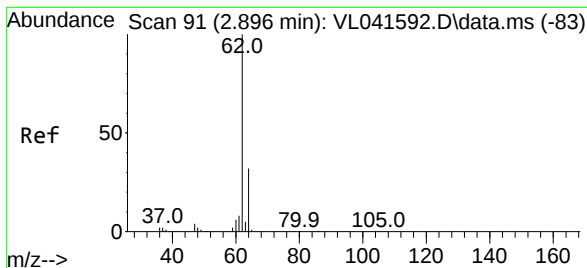
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#4
Chloromethane
Concen: 0.513 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.023 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

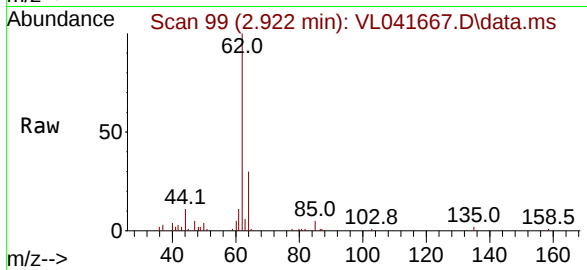
Tgt Ion: 50 Resp: 33399
Ion Ratio Lower Upper
50 100
52 26.6 25.4 38.2





#5
 Vinyl Chloride
 Concen: 0.473 ppbv
 RT: 2.922 min Scan# 91
 Delta R.T. 0.026 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

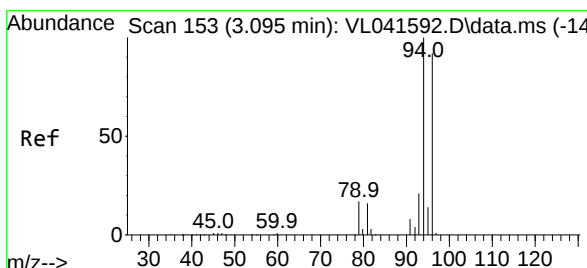
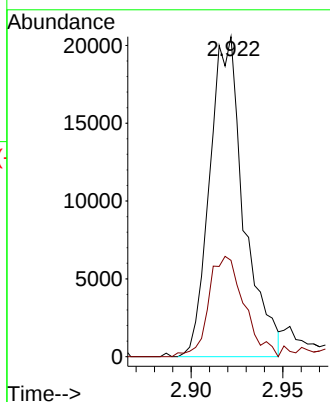
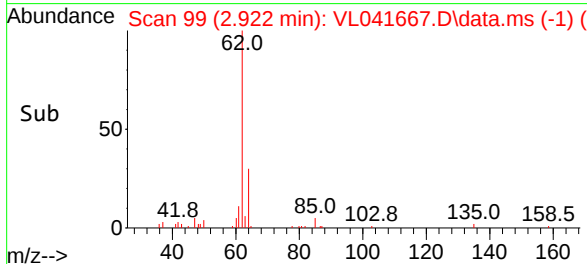
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024



Tgt Ion: 62 Resp: 26650
 Ion Ratio Lower Upper
 62 100
 64 31.3 26.0 39.0

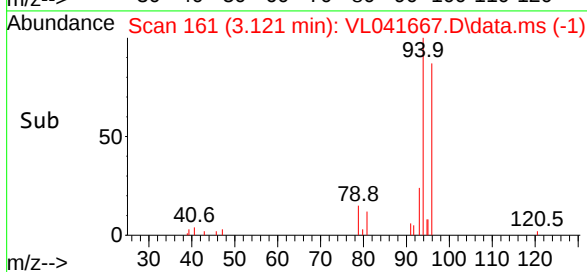
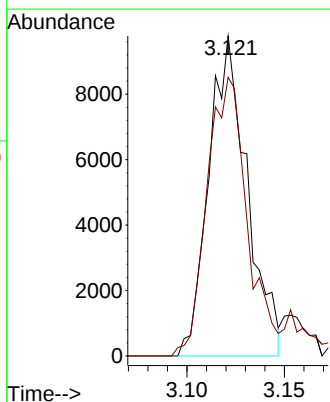
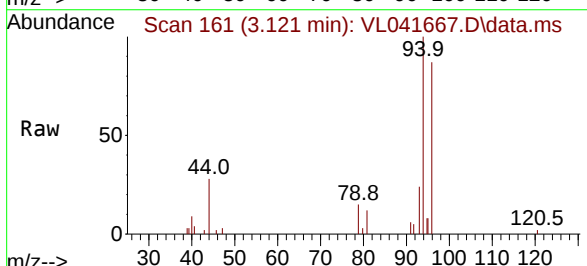
Manual Integrations
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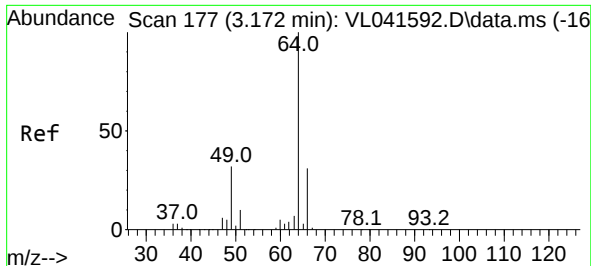
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#6
 Bromomethane
 Concen: 0.478 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.026 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

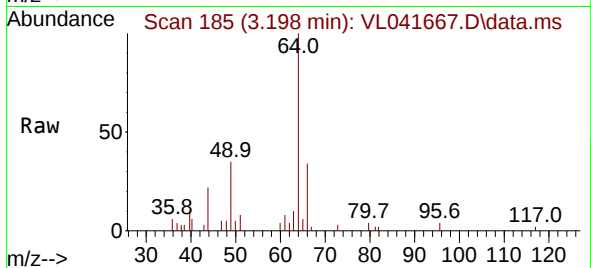
Tgt Ion: 94 Resp: 13395
 Ion Ratio Lower Upper
 94 100
 96 84.4 73.4 110.2





#7
Chloroethane
Concen: 0.470 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

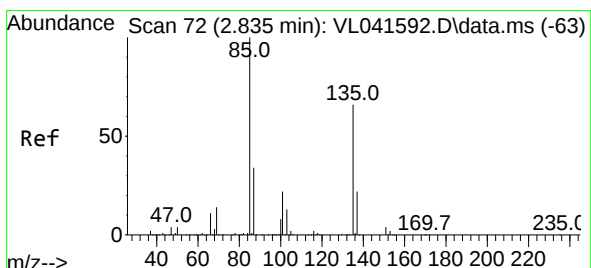
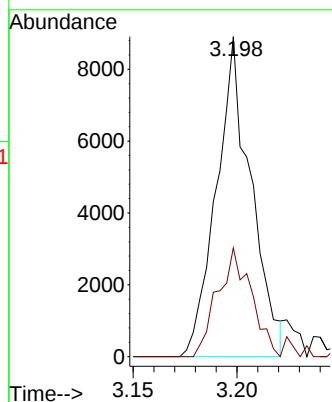
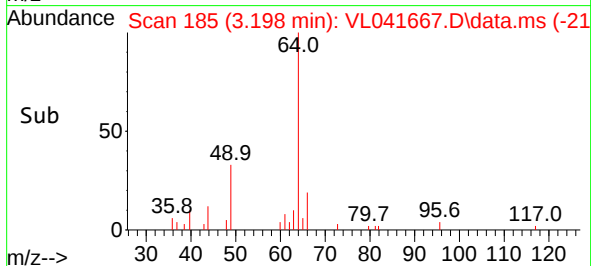
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 64 Resp: 1029
Ion Ratio Lower Upper
64 100
66 34.0 25.1 37.7

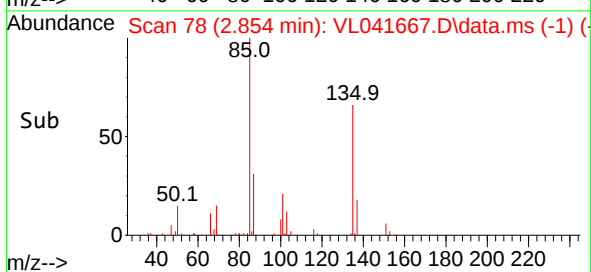
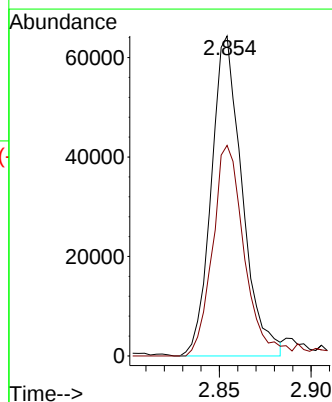
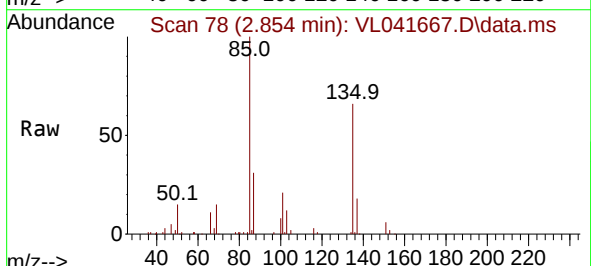
Manual Integrations
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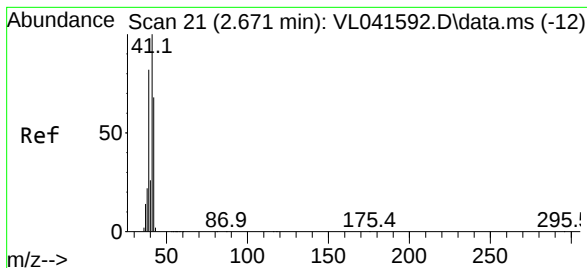
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#8
Dichlorotetrafluoroethane
Concen: 0.509 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.019 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 85 Resp: 75184
Ion Ratio Lower Upper
85 100
135 70.1 53.9 80.9





#9

Propene

Concen: 0.426 ppbv m

RT: 2.690 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion: 41 Resp: 21240

Ion Ratio Lower Upper

41 100

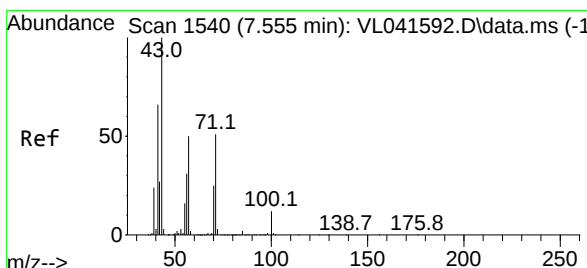
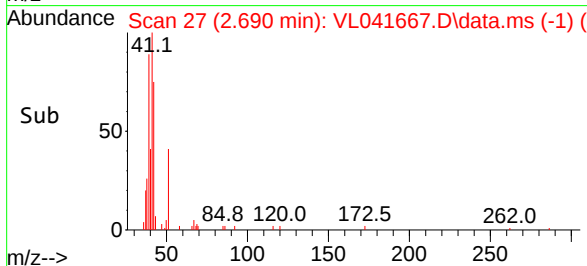
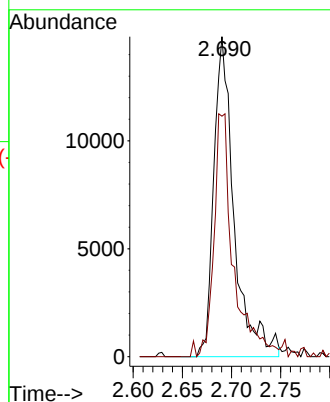
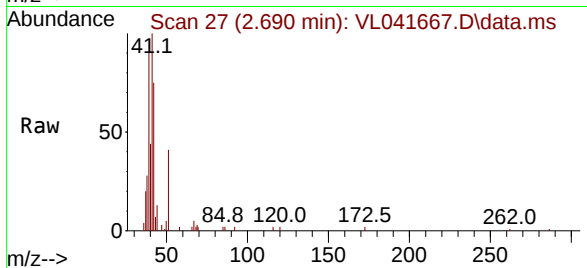
42 75.2 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#10

Heptane

Concen: 0.325 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.048 min

Lab File: VL041667.D

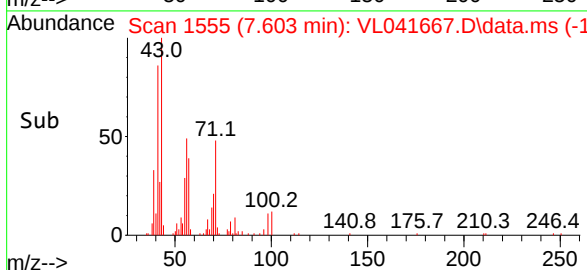
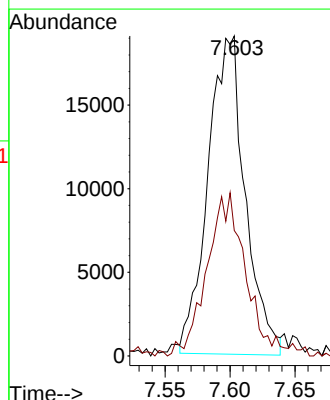
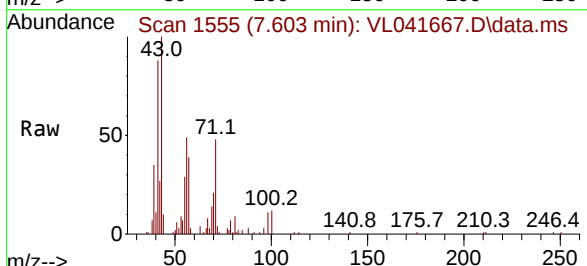
Acq: 14 Oct 2024 14:20

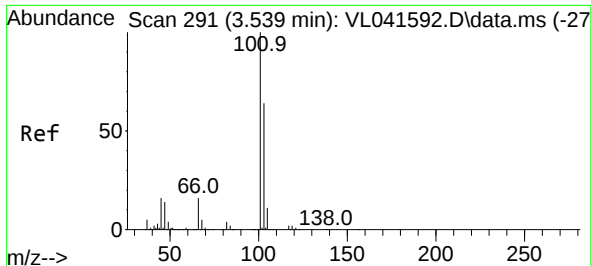
Tgt Ion: 43 Resp: 38025

Ion Ratio Lower Upper

43 100

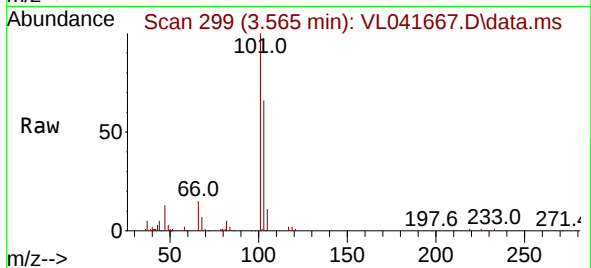
57 54.0 39.8 59.8





#11
 Trichlorofluoromethane
 Concen: 0.468 ppbv
 RT: 3.565 min Scan# 291
 Delta R.T. 0.026 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

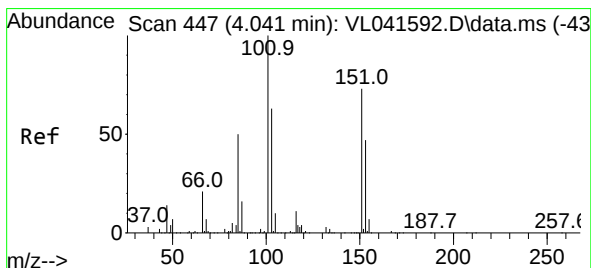
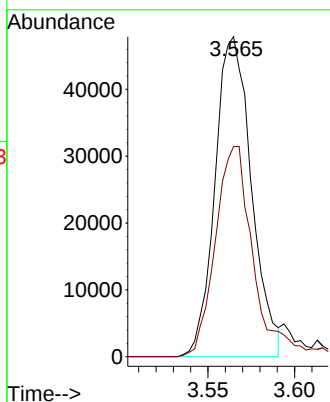
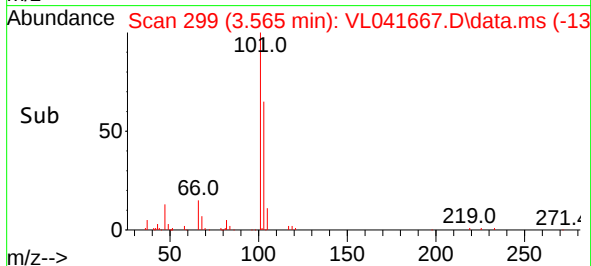
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024



Tgt Ion:101 Resp: 7011
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.2 76.8

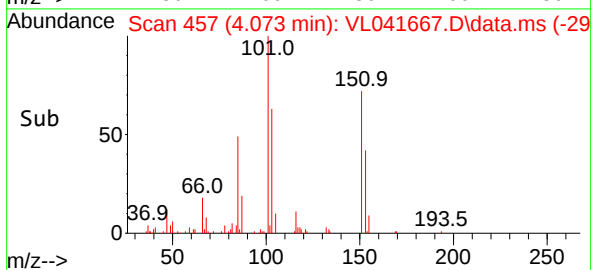
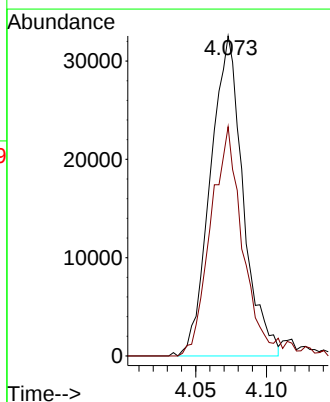
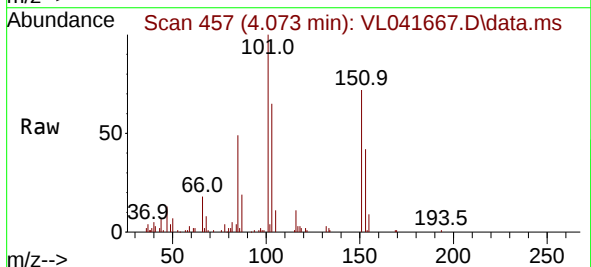
Manual Integrations
 APPROVED

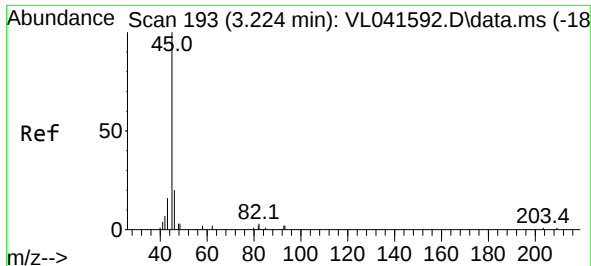
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.481 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.032 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

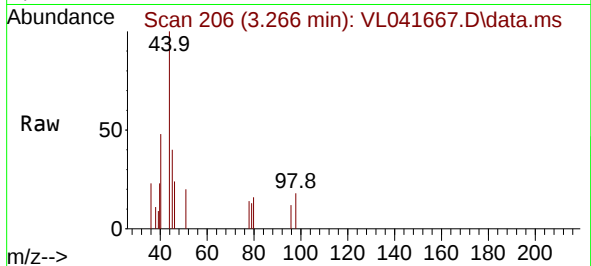
Tgt Ion:101 Resp: 52167
 Ion Ratio Lower Upper
 101 100
 151 72.7 59.4 89.2





#13
Ethanol
Concen: 0.334 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.042 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

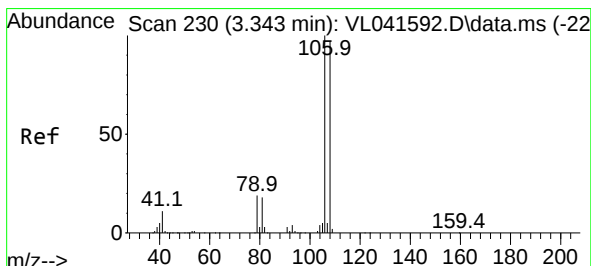
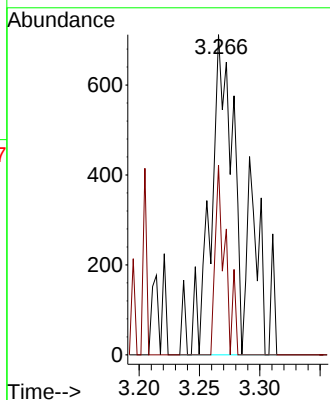
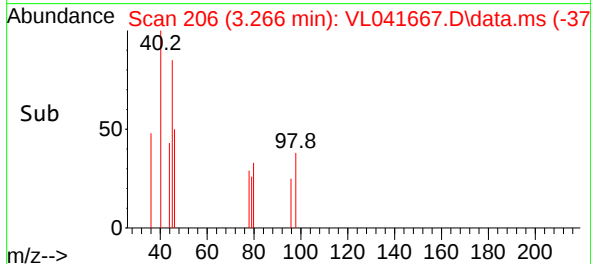
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 45 Resp: 125
Ion Ratio Lower Upper
45 100
46 9.7 15.2 60.8

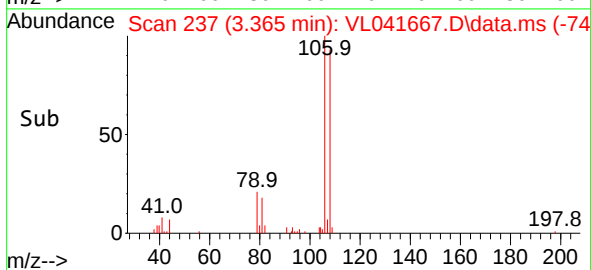
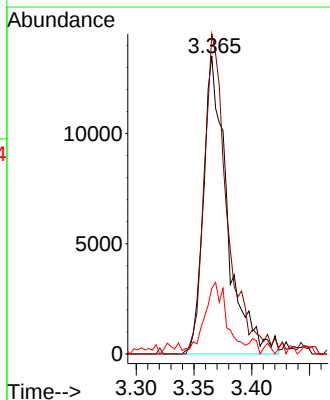
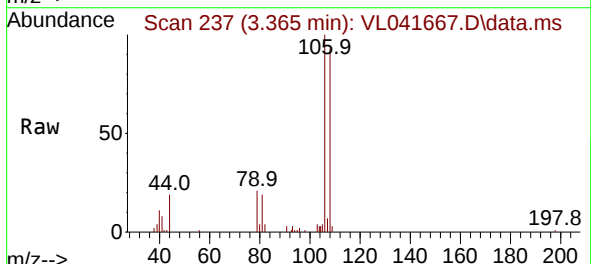
Manual Integrations
APPROVED

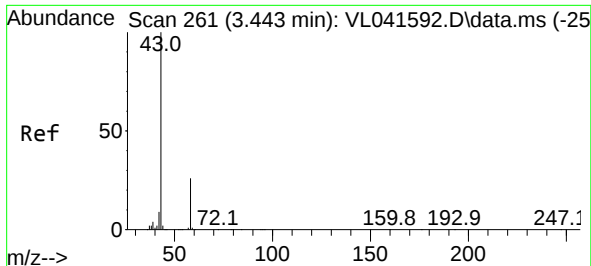
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#14
Bromoethene
Concen: 0.472 ppbv m
RT: 3.365 min Scan# 237
Delta R.T. 0.023 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

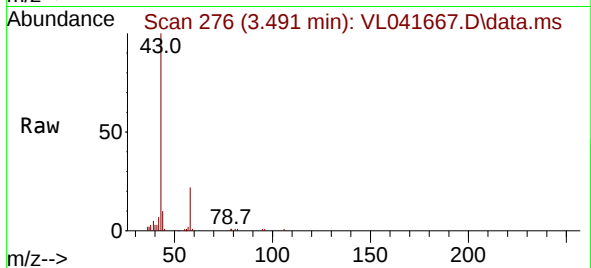
Tgt Ion:108 Resp: 19435
Ion Ratio Lower Upper
108 100
106 107.6 86.5 129.7
79 30.5 16.2 24.4





#15
Acetone
Concen: 0.550 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.048 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

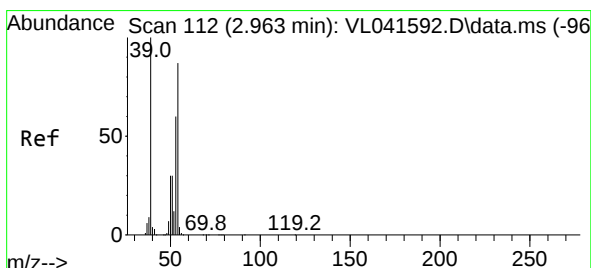
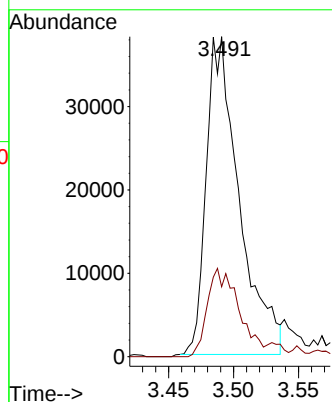
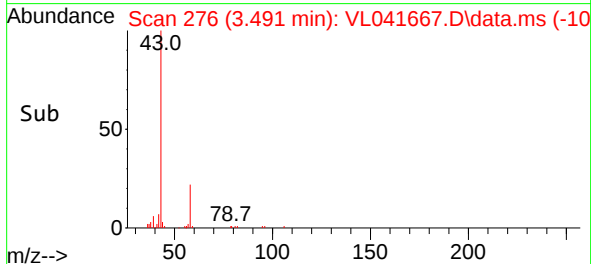
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 43 Resp: 6738
Ion Ratio Lower Upper
43 100
58 30.6 21.5 32.3

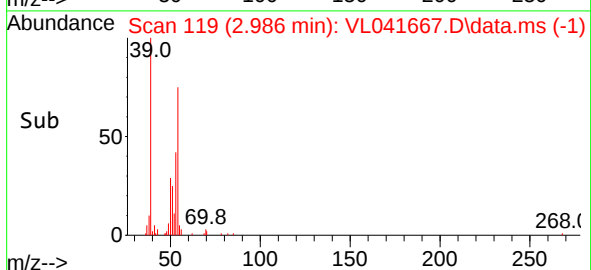
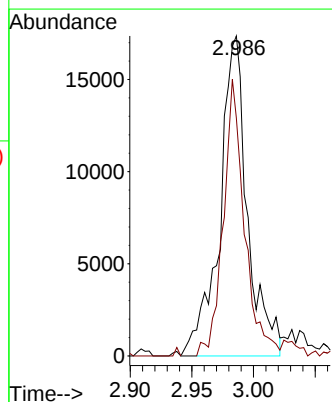
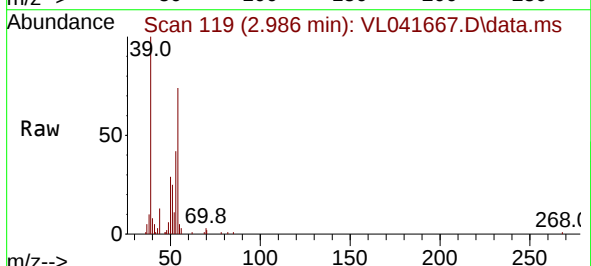
Manual Integrations
APPROVED

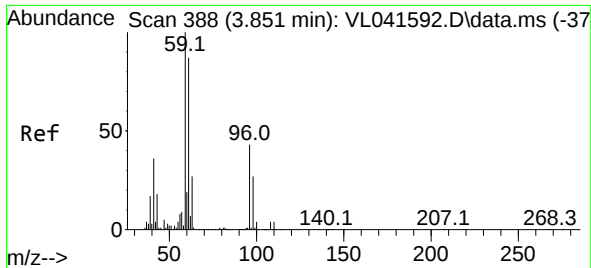
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#16
1,3-Butadiene
Concen: 0.457 ppbv m
RT: 2.986 min Scan# 119
Delta R.T. 0.023 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 39 Resp: 27219
Ion Ratio Lower Upper
39 100
54 69.3 62.9 94.3





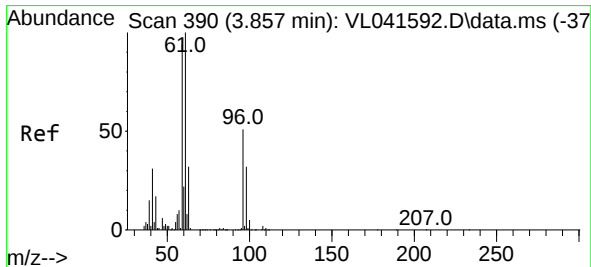
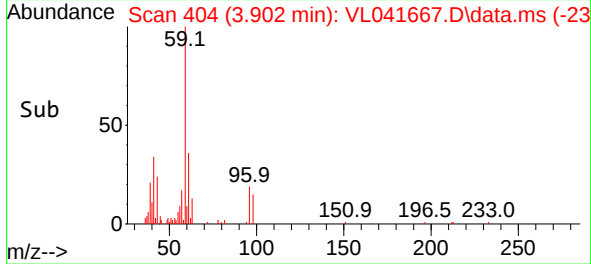
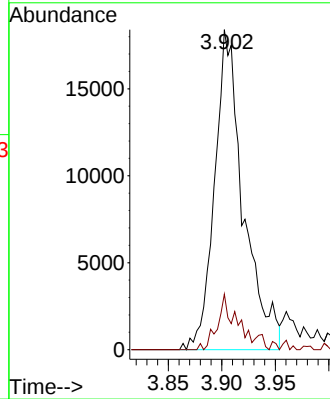
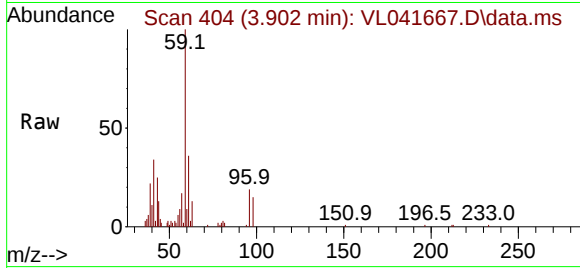
#17
tert-Butyl alcohol
Concen: 0.319 ppbv m
RT: 3.902 min Scan# 404
Delta R.T. 0.052 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 59 Resp: 3436
Ion Ratio Lower Upper
59 100
57 14.0 8.7 13.1

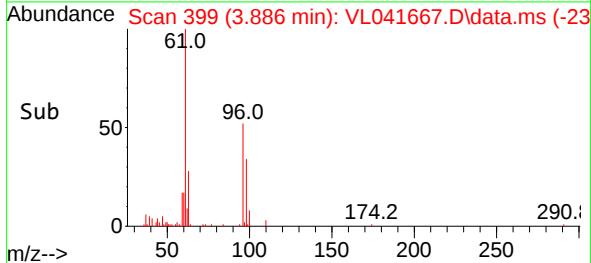
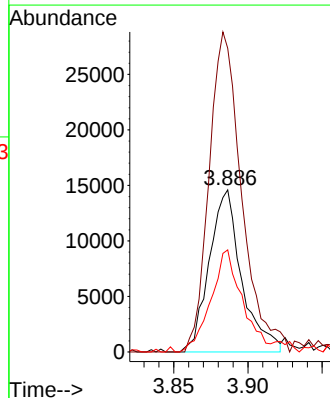
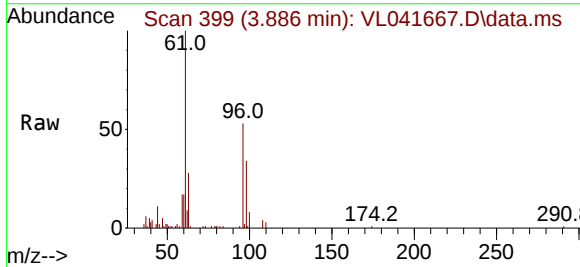
Manual Integrations
APPROVED

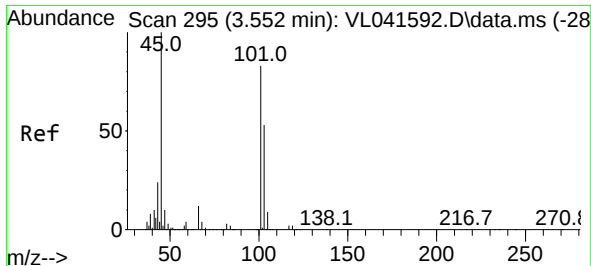
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#18
1,1-Dichloroethene
Concen: 0.481 ppbv
RT: 3.886 min Scan# 399
Delta R.T. 0.029 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

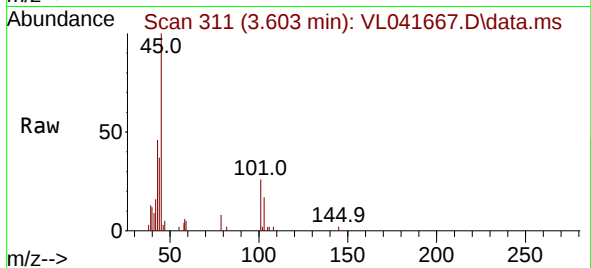
Tgt Ion: 96 Resp: 22121
Ion Ratio Lower Upper
96 100
61 187.4 155.6 233.4
98 63.0 50.6 75.8





#19
Isopropyl Alcohol
Concen: 0.254 ppbv m
RT: 3.603 min Scan# 311
Delta R.T. 0.052 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

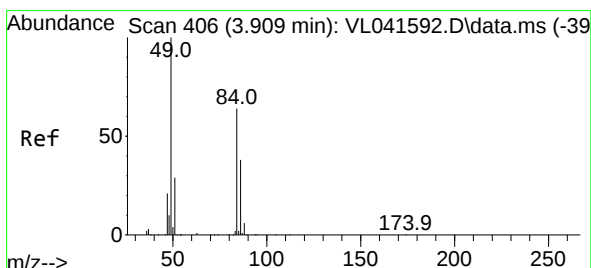
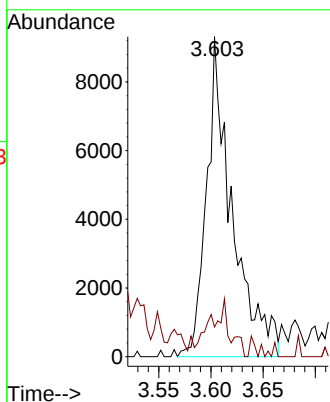
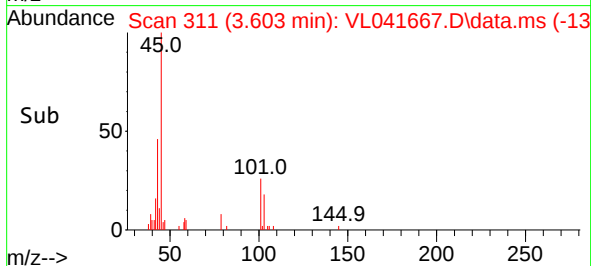
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



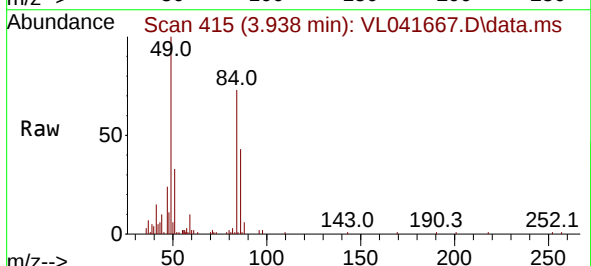
Tgt Ion: 45 Resp: 1592
Ion Ratio Lower Upper
45 100
58 16.3 2.1 3.1

Manual Integrations
APPROVED

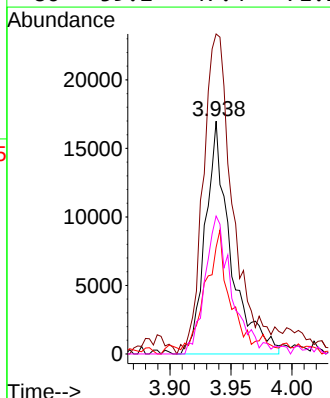
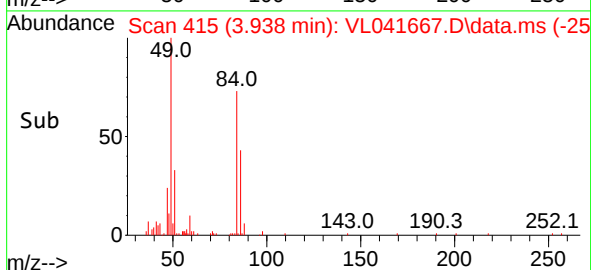
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

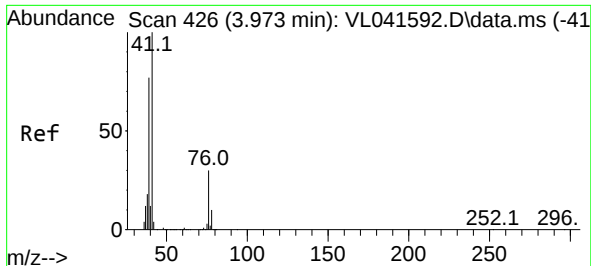


#20
Methylene Chloride
Concen: 0.532 ppbv m
RT: 3.938 min Scan# 415
Delta R.T. 0.029 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20



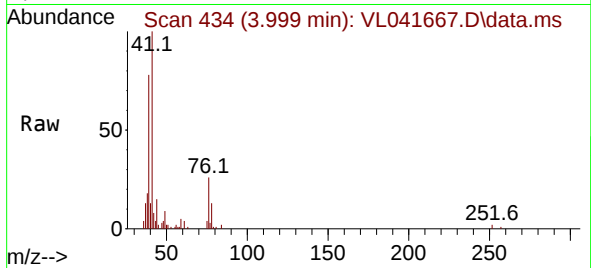
Tgt Ion: 84 Resp: 24470
Ion Ratio Lower Upper
84 100
49 137.4 124.3 186.5
51 45.9 36.3 54.5
86 59.2 47.4 71.2





#21
 Allyl Chloride
 Concen: 0.478 ppbv m
 RT: 3.999 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

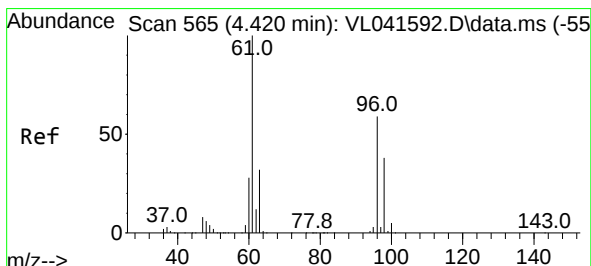
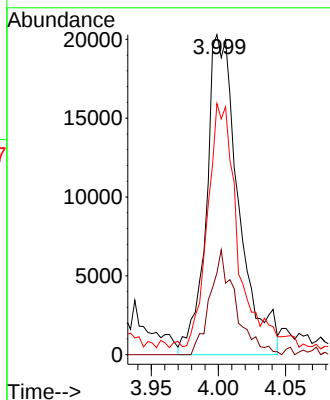
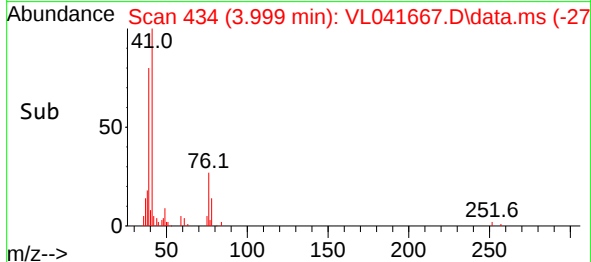
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024



Tgt Ion: 41 Resp: 3390
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.8 35.6
 39 73.1 63.9 95.9

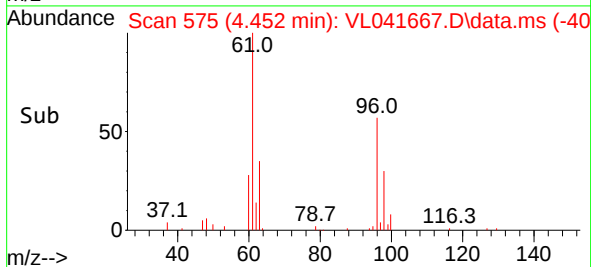
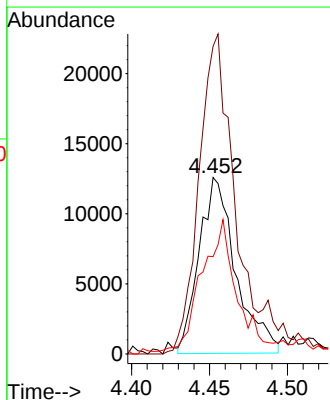
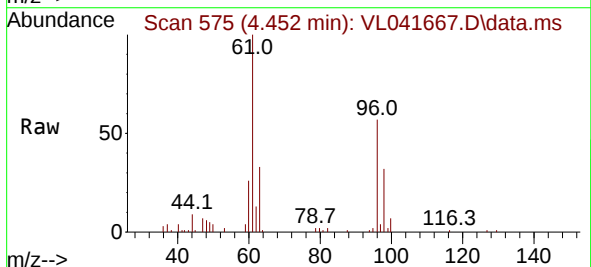
Manual Integrations
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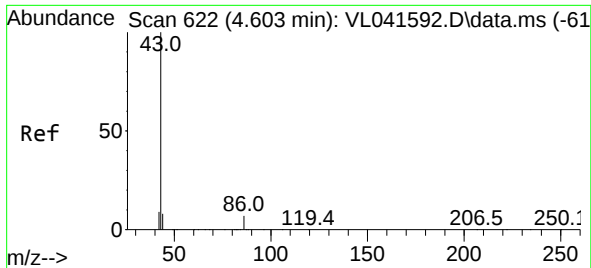
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#22
 trans-1,2-Dichloroethene
 Concen: 0.449 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.032 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

Tgt Ion: 96 Resp: 20604
 Ion Ratio Lower Upper
 96 100
 61 170.4 135.7 203.5
 98 52.7 50.9 76.3





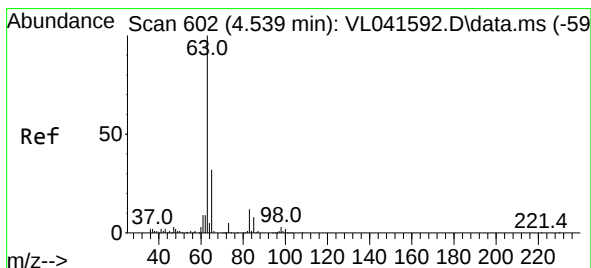
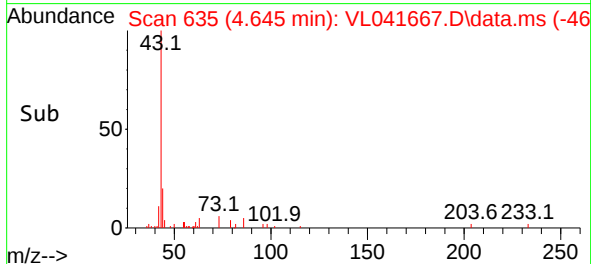
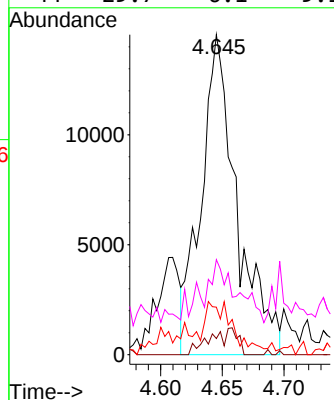
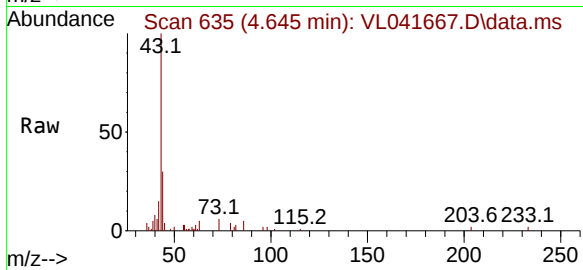
#23
 Vinyl Acetate
 Concen: 0.438 ppbv m
 RT: 4.645 min Scan# 610
 Delta R.T. 0.042 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Tgt Ion: 43 Resp: 2948
 Ion Ratio Lower Upper
 43 100
 86 5.1 4.9 7.3
 42 14.9 8.0 12.0
 44 29.7 6.1 9.1#

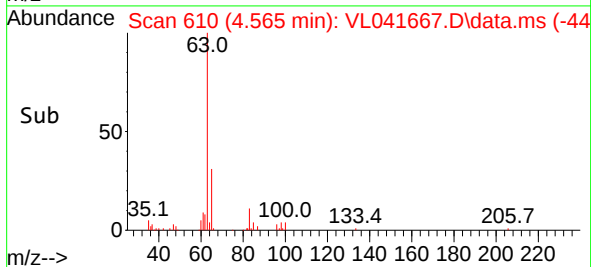
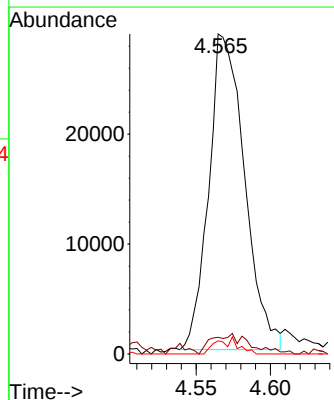
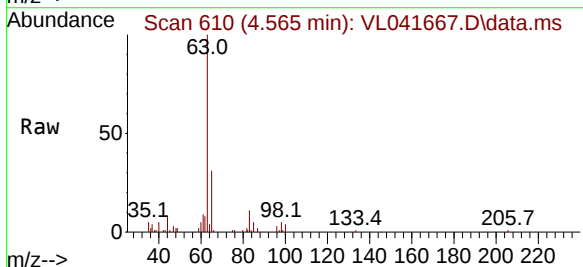
Manual Integrations
 APPROVED

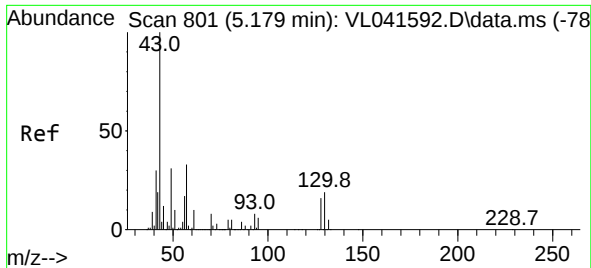
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#24
 1,1-Dichloroethane
 Concen: 0.477 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.026 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

Tgt Ion: 63 Resp: 48215
 Ion Ratio Lower Upper
 63 100
 98 5.5 1.7 5.1#
 100 4.2 1.1 3.3#





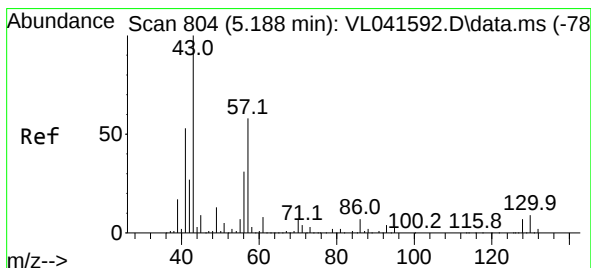
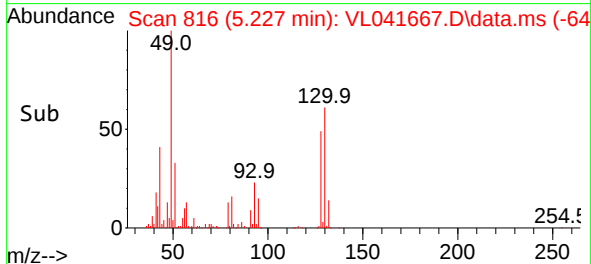
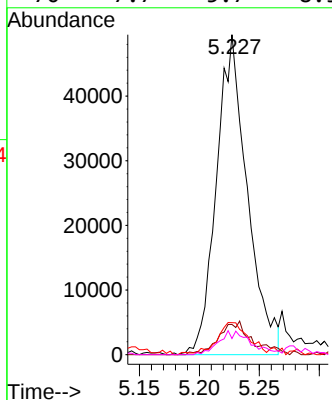
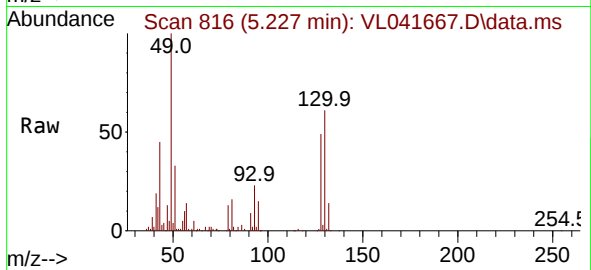
#25
Ethyl Acetate
Concen: 0.403 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.048 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 43	Resp: 8853
Ion Ratio	Lower Upper
43 100	
45 11.3	8.2 12.2
61 11.7	8.0 12.0
70 7.7	5.7 8.5

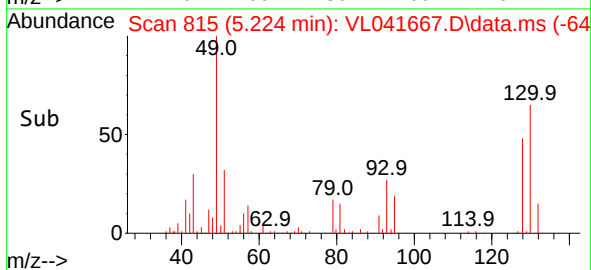
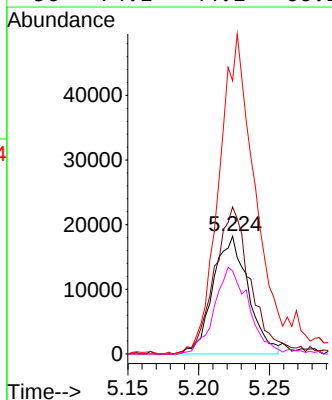
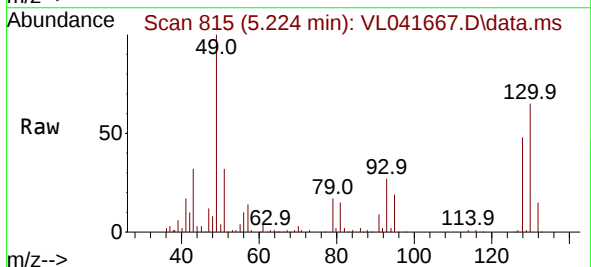
Manual Integrations
APPROVED

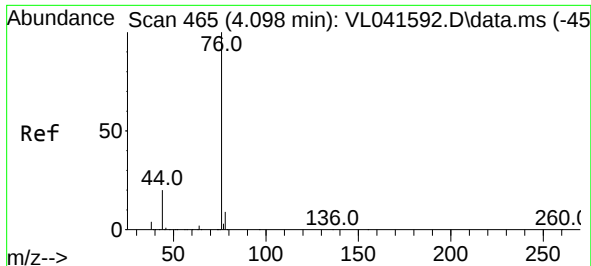
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#26
Hexane
Concen: 0.342 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.035 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

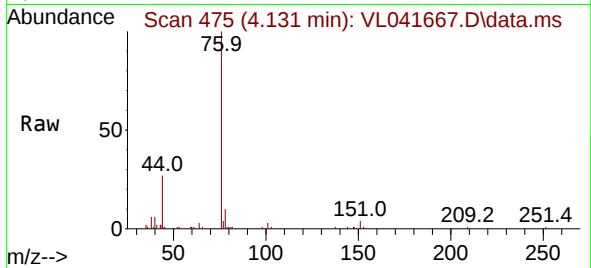
Tgt	Ion: 57	Resp:	31383
Ion	Ratio	Lower	Upper
57	100		
41	132.1	75.7	113.5#
43	311.2	198.5	297.7#
56	74.1	44.1	66.1#





#27
Carbon Disulfide
Concen: 0.395 ppbv m
RT: 4.131 min Scan# 41
Delta R.T. 0.032 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

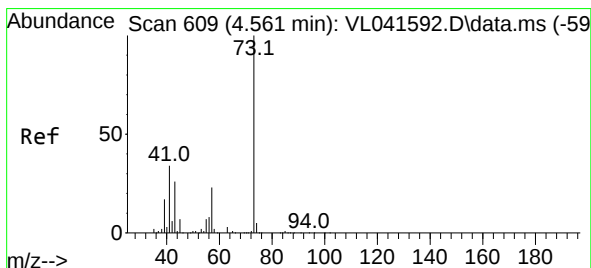
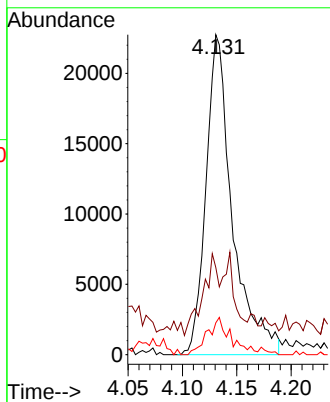
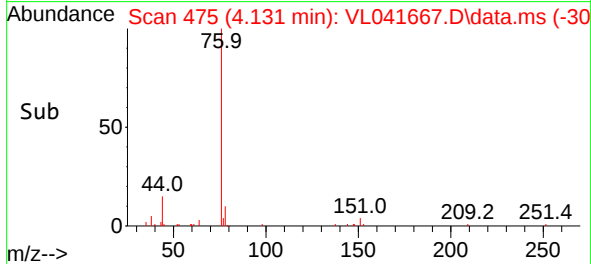
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 76 Resp: 38474
Ion Ratio Lower Upper
76 100
44 27.2 15.8 23.8
78 11.1 7.5 11.3

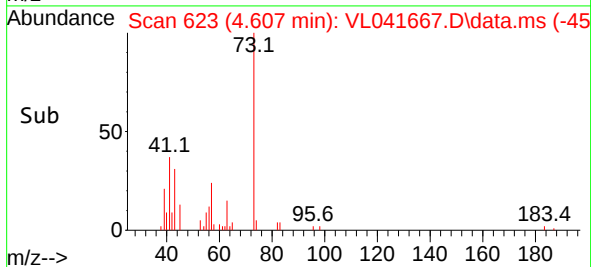
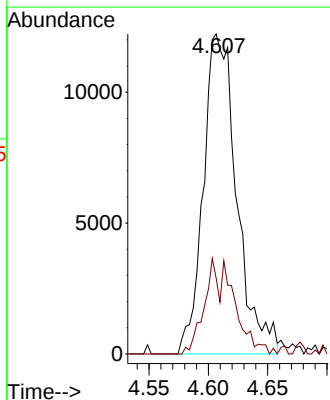
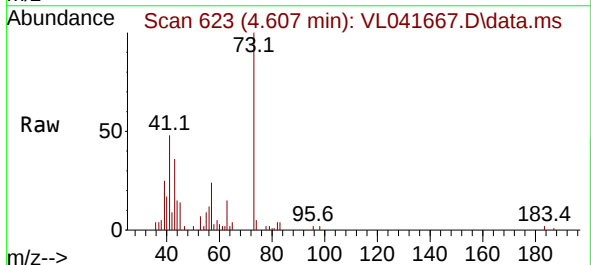
Manual Integrations
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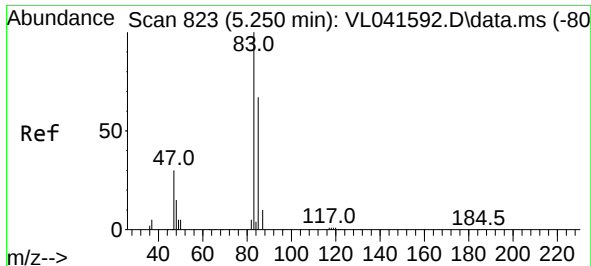
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#28
Methyl tert-Butyl Ether
Concen: 0.424 ppbv m
RT: 4.607 min Scan# 623
Delta R.T. 0.045 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 73 Resp: 23956
Ion Ratio Lower Upper
73 100
57 27.6 19.3 28.9





#29

Chloroform

Concen: 0.502 ppbv m

RT: 5.282 min Scan# 81

Delta R.T. 0.032 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion: 83 Resp: 75369

Ion Ratio Lower Upper

83 100

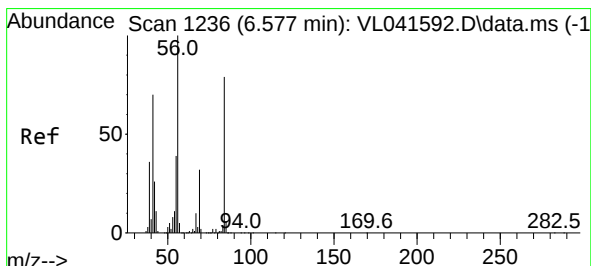
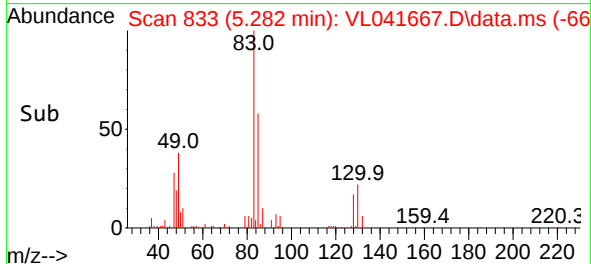
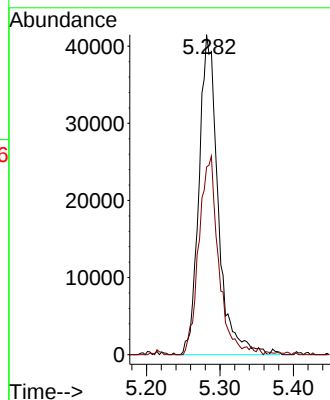
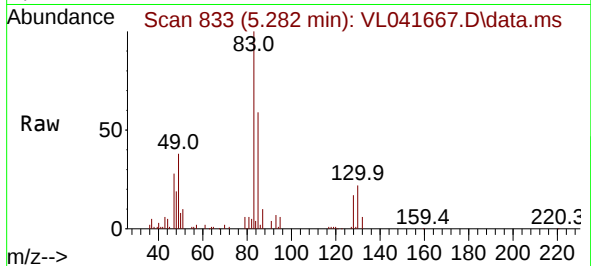
85 58.6 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#30

Cyclohexane

Concen: 0.388 ppbv m

RT: 6.616 min Scan# 1248

Delta R.T. 0.039 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

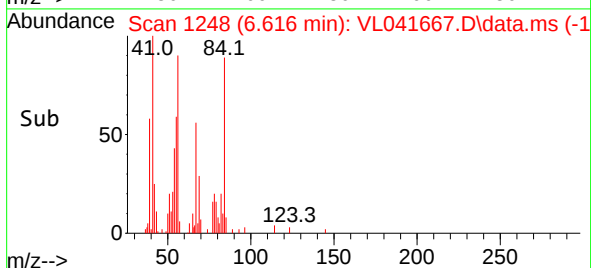
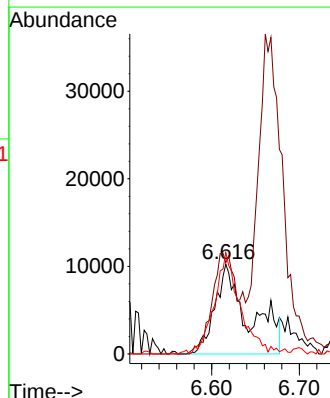
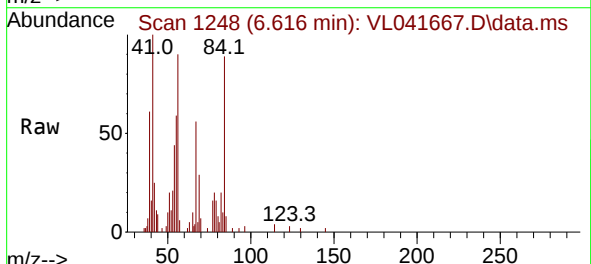
Tgt Ion: 84 Resp: 27412

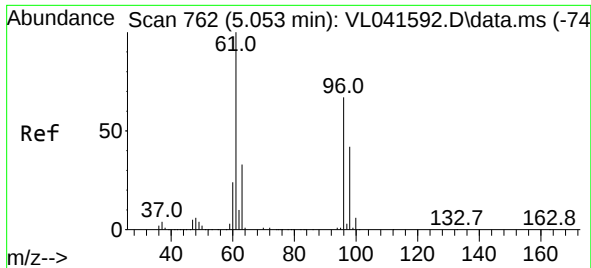
Ion Ratio Lower Upper

84 100

56 82.6 111.5 167.3#

41 86.9 70.9 106.3





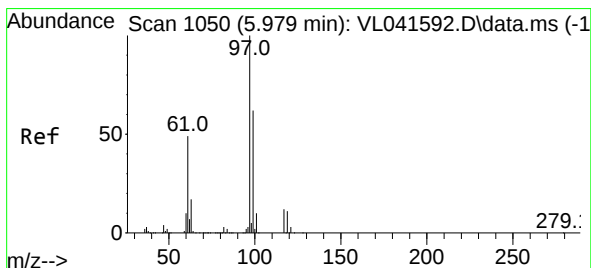
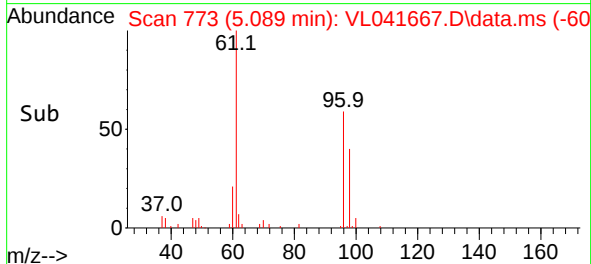
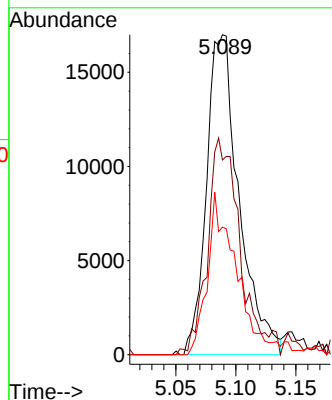
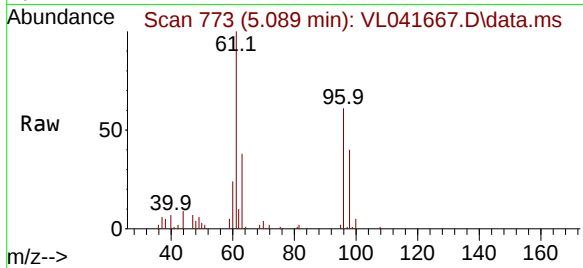
#31
 cis-1,2-Dichloroethene
 Concen: 0.369 ppbv m
 RT: 5.089 min Scan# 71
 Delta R.T. 0.035 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Tgt Ion: 61 Resp: 3212
 Ion Ratio Lower Upper
 61 100
 96 60.9 53.5 80.3
 98 39.8 33.7 50.5

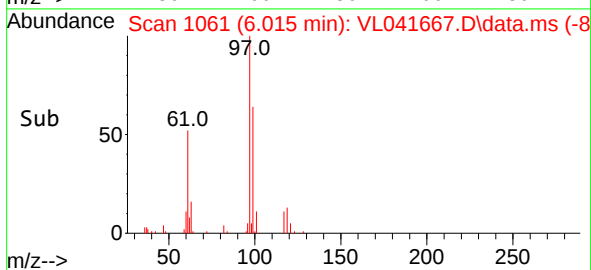
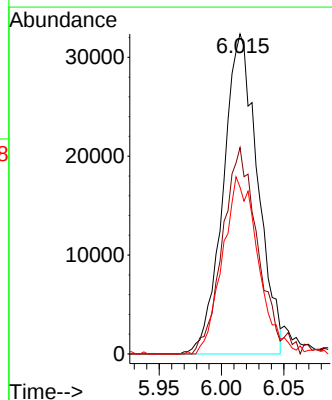
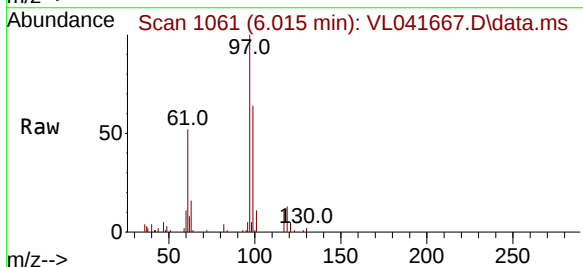
Manual Integrations
 APPROVED

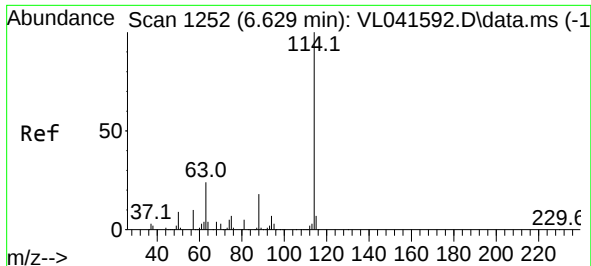
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.466 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.035 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

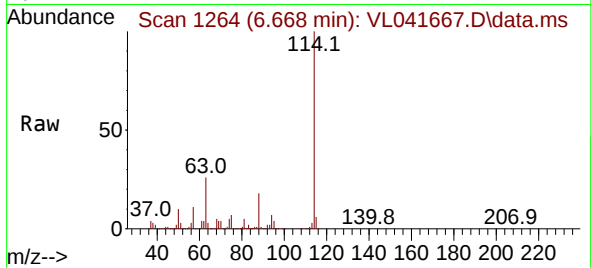
Tgt Ion: 97 Resp: 62264
 Ion Ratio Lower Upper
 97 100
 99 66.9 51.0 76.4
 61 57.9 41.0 61.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 114
Delta R.T. 0.039 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

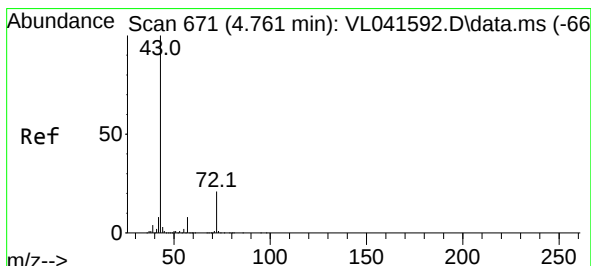
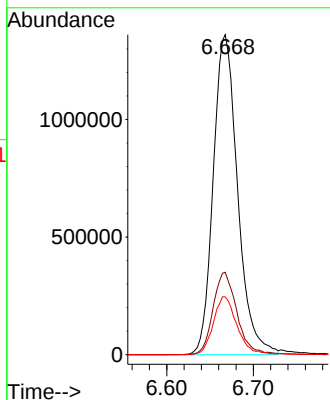
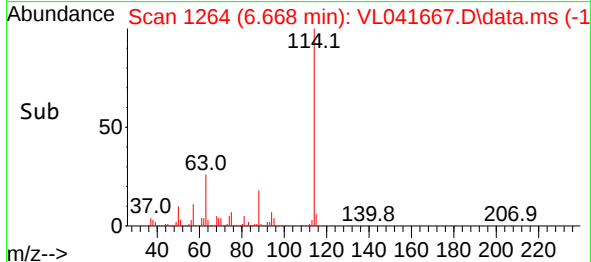
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 114 Resp: 2659800
Ion Ratio Lower Upper
114 100
63 25.5 20.2 30.2
88 17.8 14.2 21.4

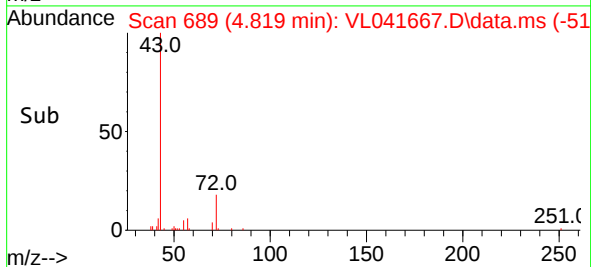
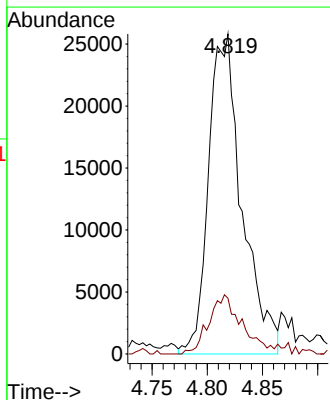
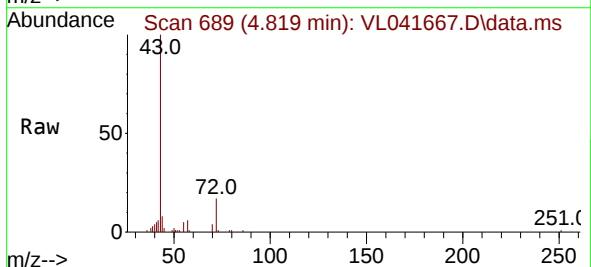
Manual Integrations
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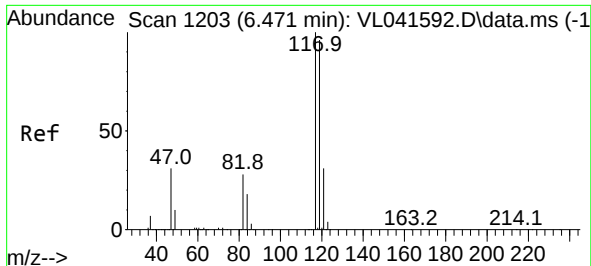
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#34
2-Butanone
Concen: 0.427 ppbv m
RT: 4.819 min Scan# 689
Delta R.T. 0.058 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

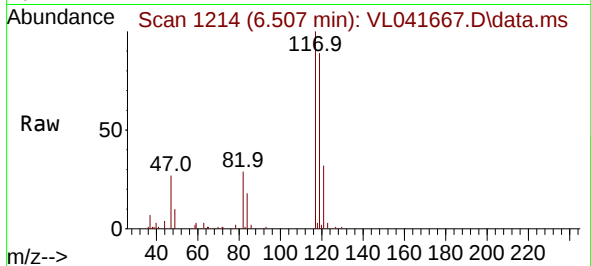
Tgt Ion: 43 Resp: 54138
Ion Ratio Lower Upper
43 100
72 0.0 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.508 ppbv
RT: 6.507 min Scan# 1175
Delta R.T. 0.035 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

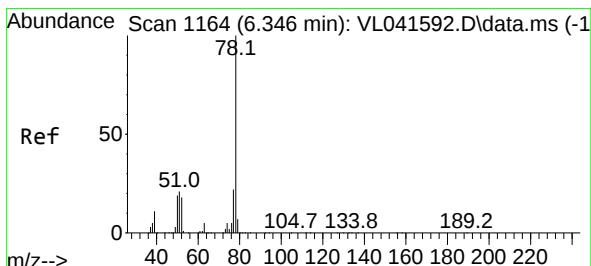
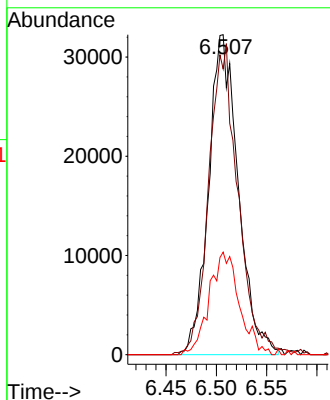
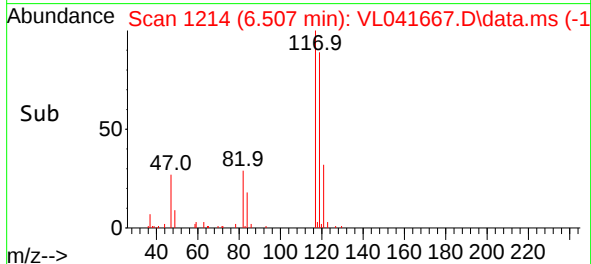
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 117 Resp: 6623
Ion Ratio Lower Upper
117 100
119 88.7 76.8 115.2
121 32.1 25.0 37.6

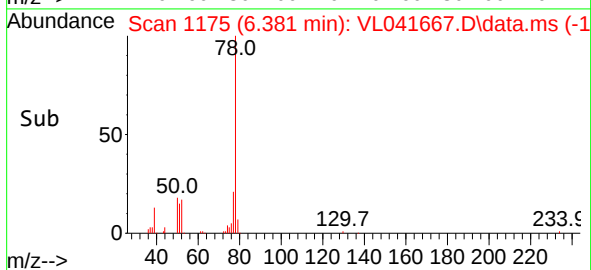
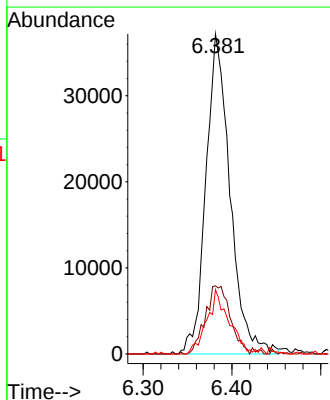
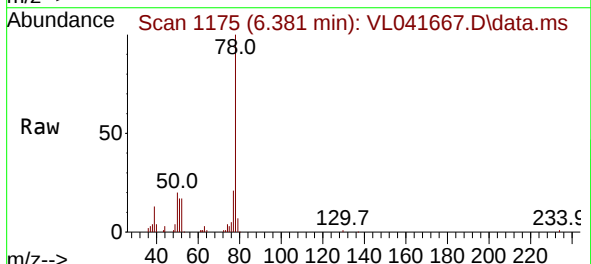
Manual Integrations
APPROVED

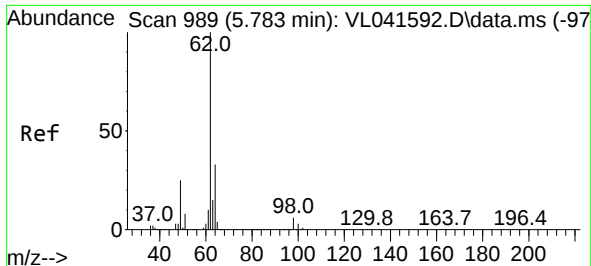
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#36
Benzene
Concen: 0.381 ppbv m
RT: 6.381 min Scan# 1175
Delta R.T. 0.035 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

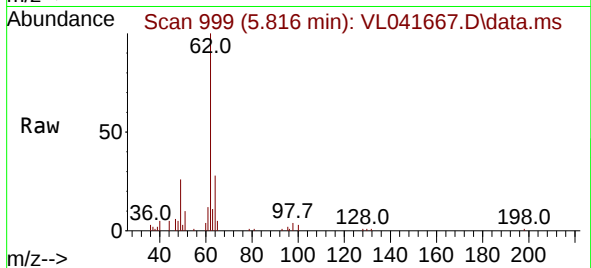
Tgt Ion: 78 Resp: 70348
Ion Ratio Lower Upper
78 100
77 21.3 17.8 26.6
50 20.0 15.4 23.0





#37
1,2-Dichloroethane
Concen: 0.444 ppbv
RT: 5.816 min Scan# 91
Delta R.T. 0.032 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

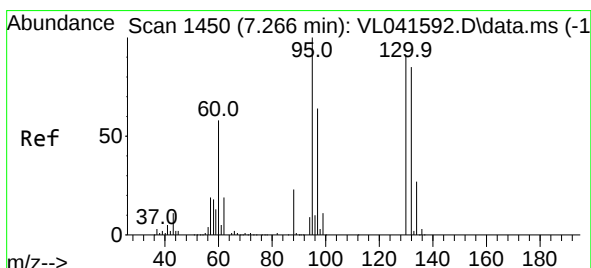
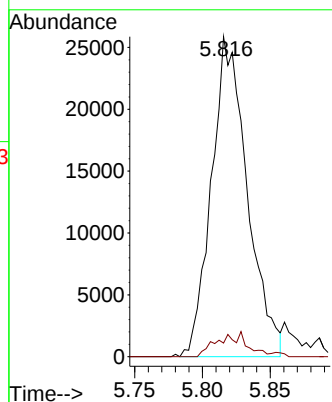
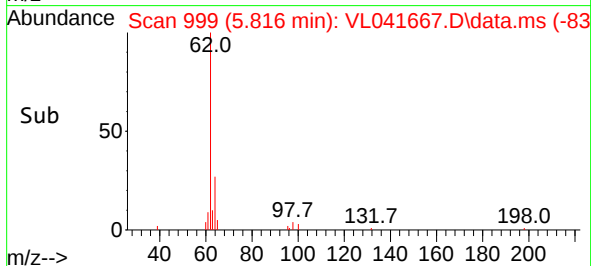
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



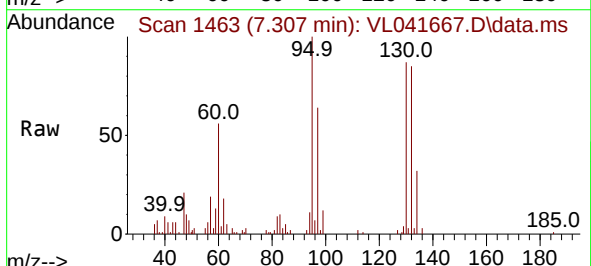
Tgt Ion: 62 Resp: 47602
Ion Ratio Lower Upper
62 100
98 6.7 4.8 7.2

Manual Integrations
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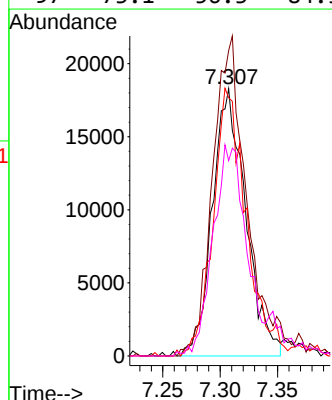
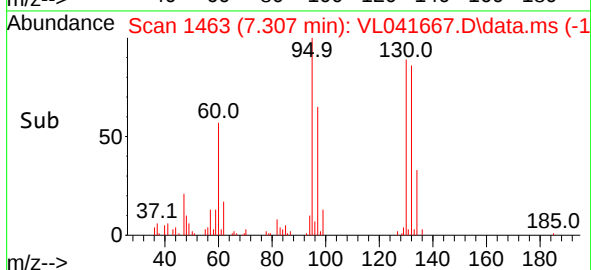
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

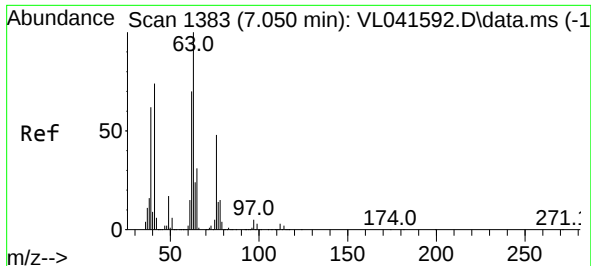


#38
Trichloroethene
Concen: 0.389 ppbv m
RT: 7.307 min Scan# 1463
Delta R.T. 0.042 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20



Tgt Ion:130 Resp: 36997
Ion Ratio Lower Upper
130 100
95 114.3 87.7 131.5
132 96.7 74.5 111.7
97 73.1 56.3 84.5





#39

1,2-Dichloropropane

Concen: 0.444 ppbv m

RT: 7.086 min Scan# 1478

Delta R.T. 0.035 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

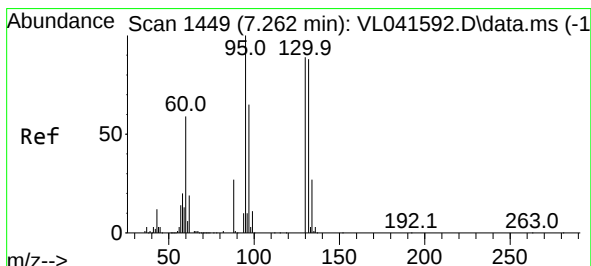
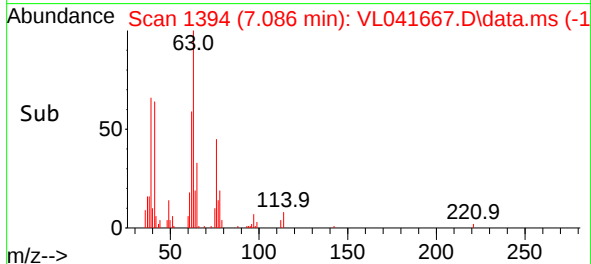
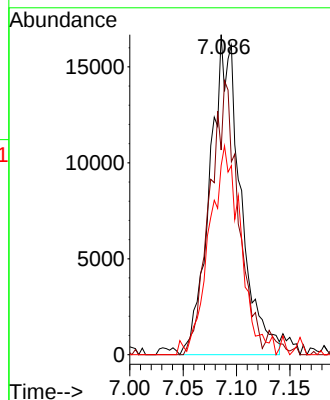
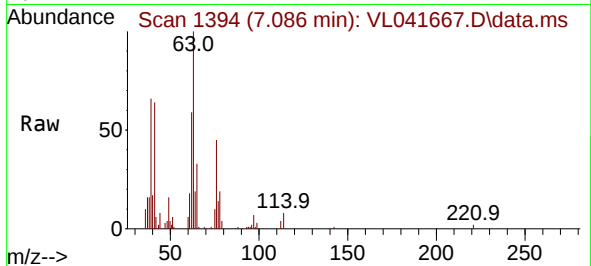
MDL-AIR-03-QT4-2024

Tgt Ion: 63	Resp: 3335
Ion Ratio	Lower Upper
63	100
41	63.9 59.5 89.3
62	59.1 56.2 84.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#40

1,4-Dioxane

Concen: 0.120 ppbv m

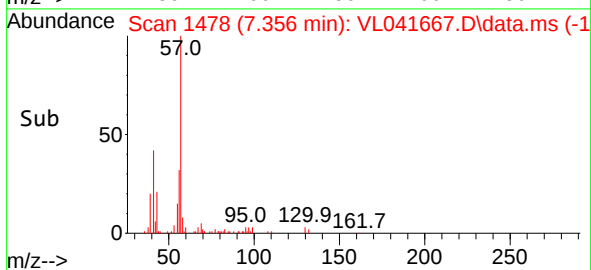
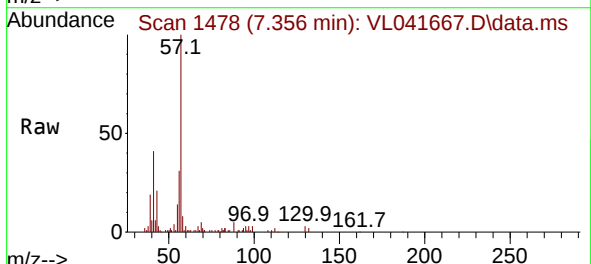
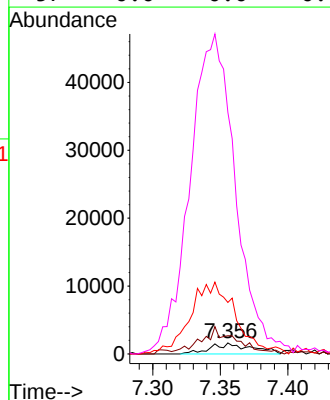
RT: 7.356 min Scan# 1478

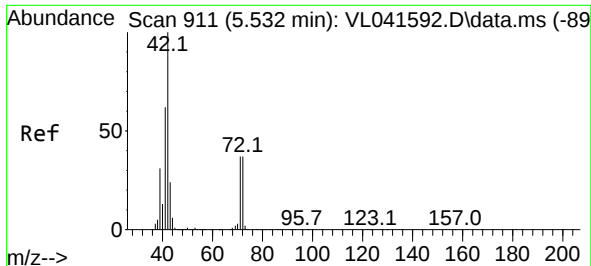
Delta R.T. 0.093 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

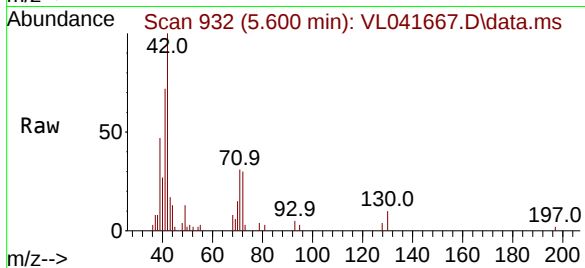
Tgt Ion: 88	Resp: 3390
Ion Ratio	Lower Upper
88	100
58	0.0 100.2 150.4
43	0.0 0.0 0.0
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.312 ppbv m
RT: 5.600 min Scan# 911
Delta R.T. 0.068 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

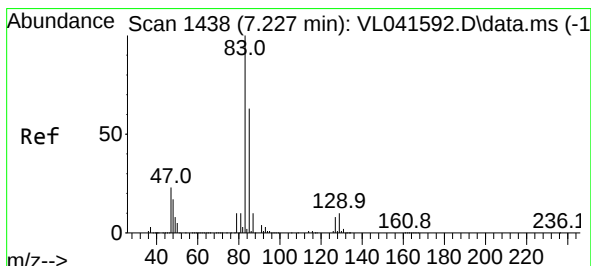
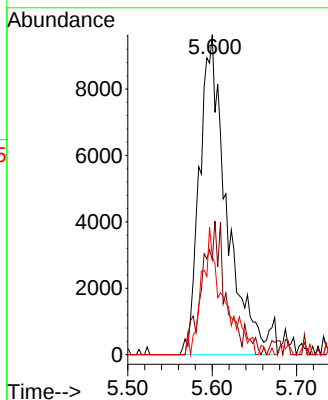
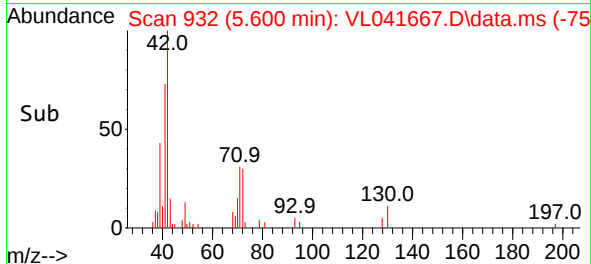
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 42 Resp: 2176
Ion Ratio Lower Upper
42 100
72 36.4 30.2 45.2
71 31.3 29.6 44.4

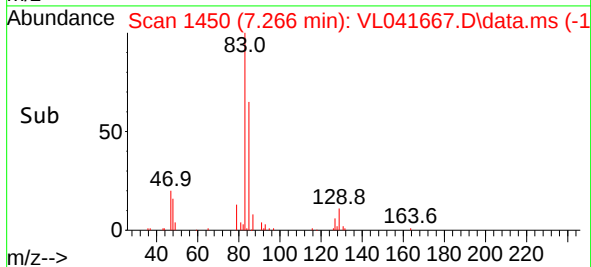
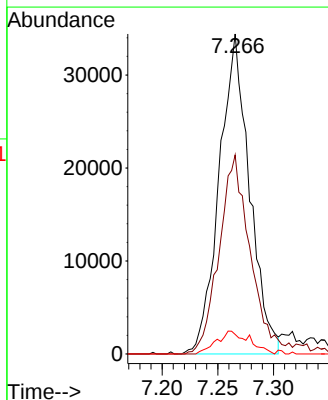
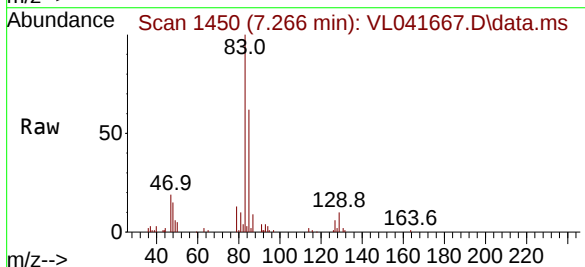
Manual Integrations
APPROVED

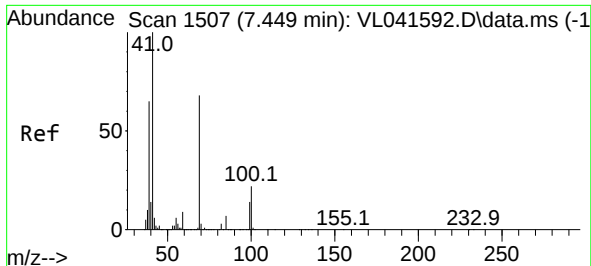
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#42
Bromodichloromethane
Concen: 0.437 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.039 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 83 Resp: 65166
Ion Ratio Lower Upper
83 100
85 62.2 50.5 75.7
127 6.1 6.5 9.7#





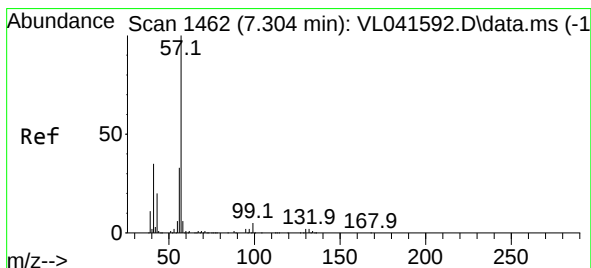
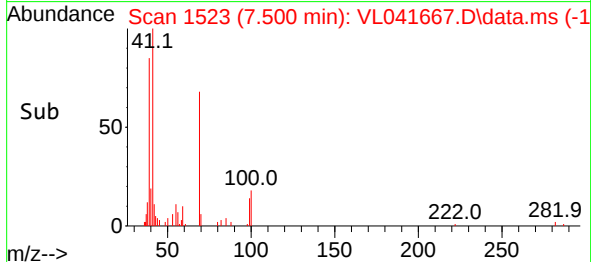
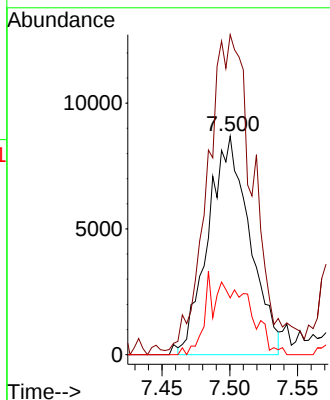
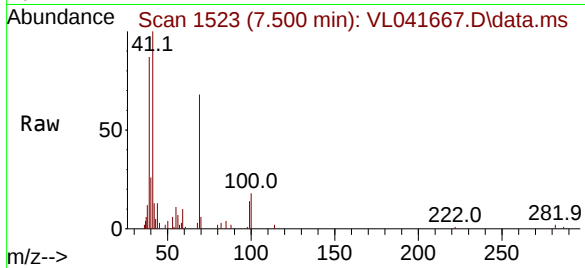
#43
Methyl Methacrylate
Concen: 0.281 ppbv
RT: 7.500 min Scan# 11
Delta R.T. 0.052 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 69 Resp: 18574
Ion Ratio Lower Upper
69 100
41 158.7 121.8 182.6
100 34.8 26.5 39.7

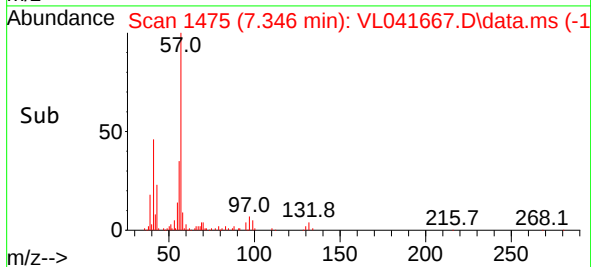
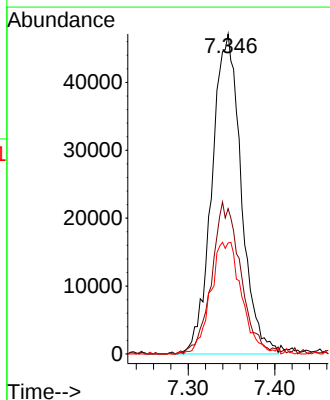
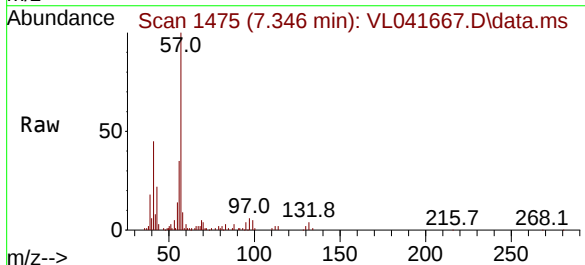
Manual Integrations
APPROVED

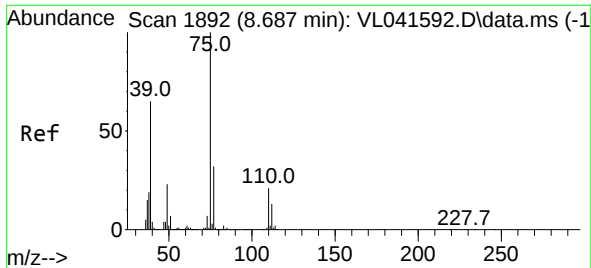
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#44
2,2,4-Trimethylpentane
Concen: 0.346 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.042 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 57 Resp: 110474
Ion Ratio Lower Upper
57 100
41 47.4 27.0 40.6#
56 37.6 25.5 38.3





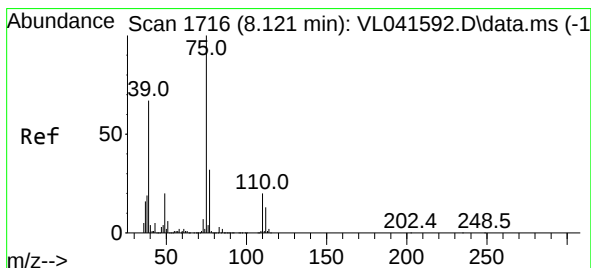
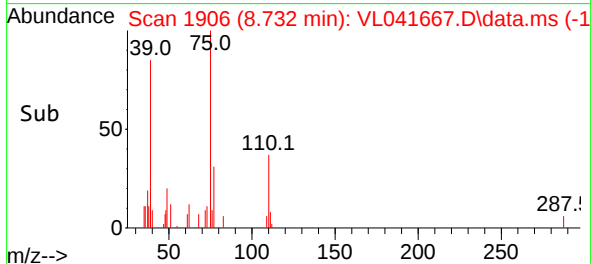
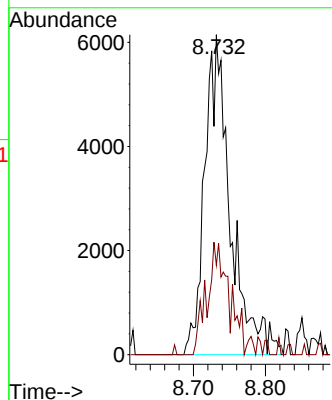
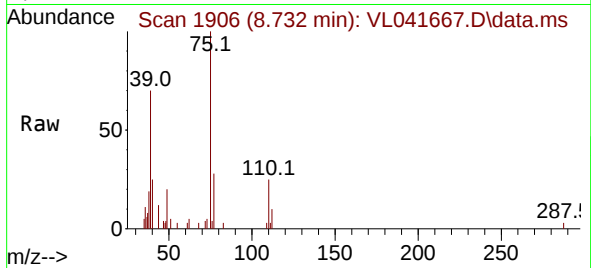
#45
t-1,3-Dichloropropene
Concen: 0.286 ppbv m
RT: 8.732 min Scan# 1892
Delta R.T. 0.045 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 75 Resp: 15230
Ion Ratio Lower Upper
75 100
77 28.0 25.4 38.0

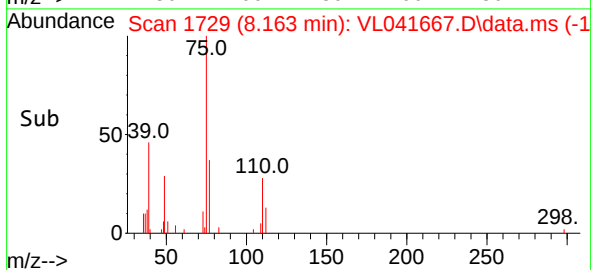
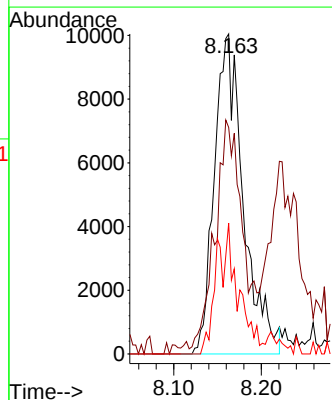
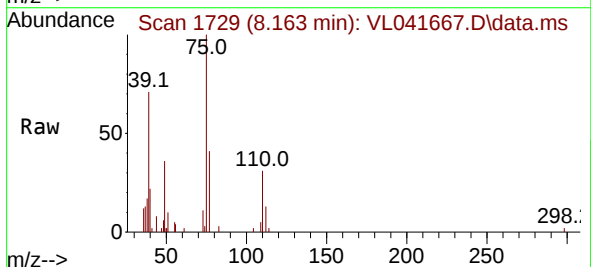
Manual Integrations
APPROVED

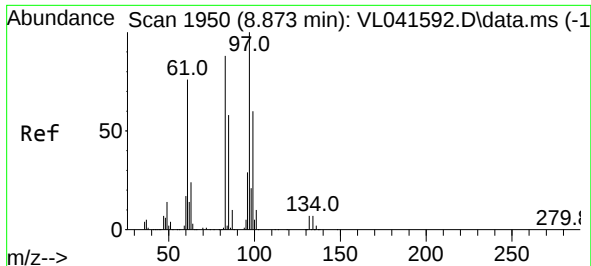
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#46
cis-1,3-Dichloropropene
Concen: 0.296 ppbv m
RT: 8.163 min Scan# 1729
Delta R.T. 0.042 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 75 Resp: 23099
Ion Ratio Lower Upper
75 100
39 70.8 54.0 81.0
77 40.9 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.463 ppbv m

RT: 8.912 min Scan# 1950

Delta R.T. 0.039 min

Lab File: VL041667.D

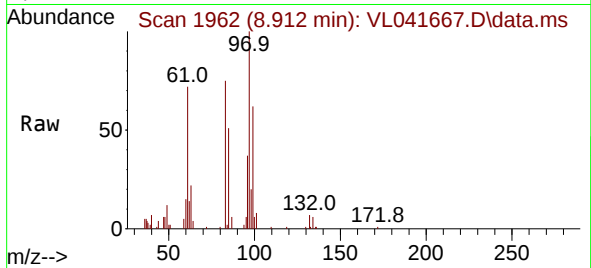
Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024



Tgt Ion: 97 Resp: 36970

Ion Ratio Lower Upper

97 100

83 75.0 70.2 105.4

85 50.5 46.3 69.5

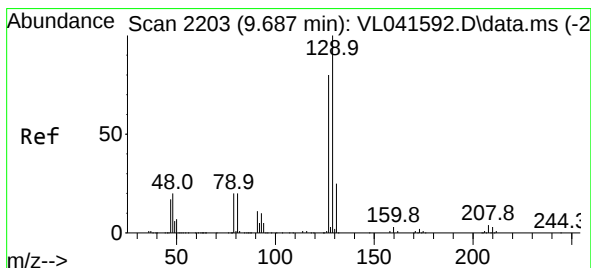
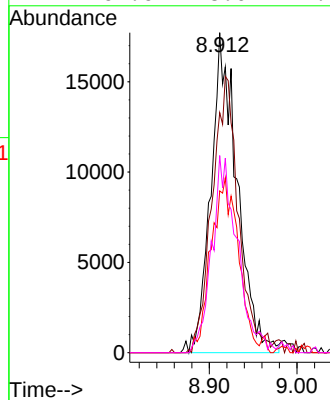
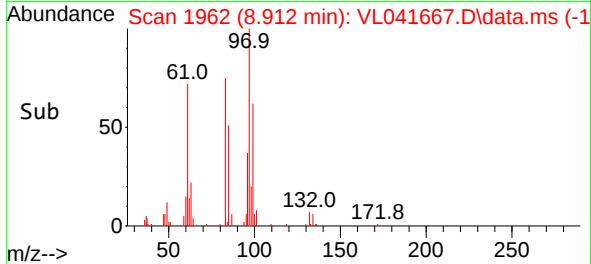
99 61.6 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#48

Dibromochloromethane

Concen: 0.393 ppbv

RT: 9.735 min Scan# 2218

Delta R.T. 0.048 min

Lab File: VL041667.D

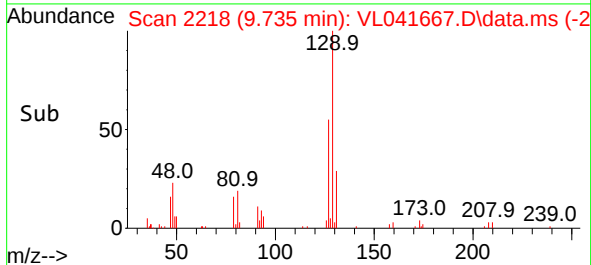
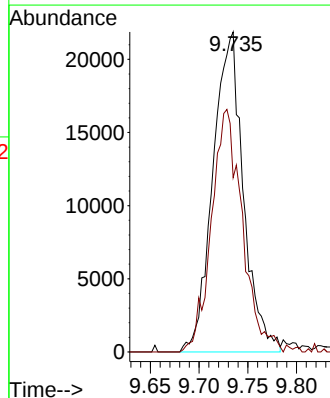
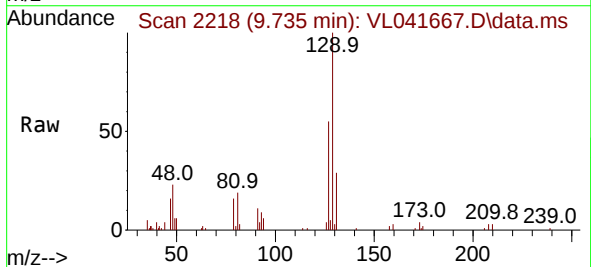
Acq: 14 Oct 2024 14:20

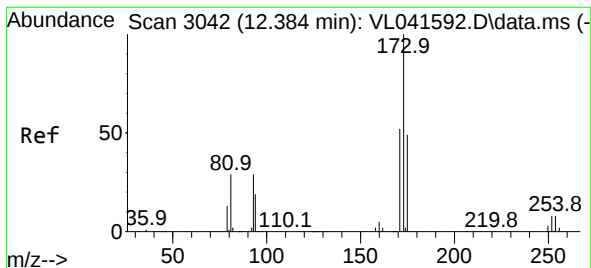
Tgt Ion:129 Resp: 47565

Ion Ratio Lower Upper

129 100

127 77.1 39.3 117.9





#49

Bromoform

Concen: 0.363 ppbv m

RT: 12.426 min Scan# 3042

Delta R.T. 0.042 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

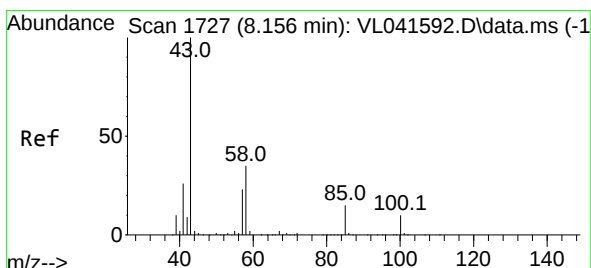
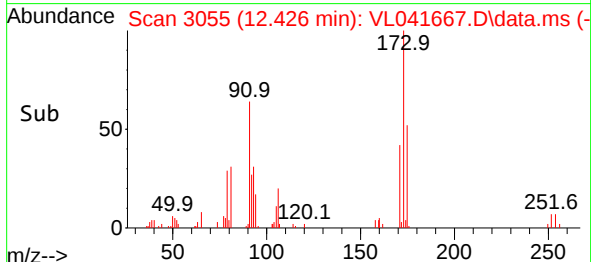
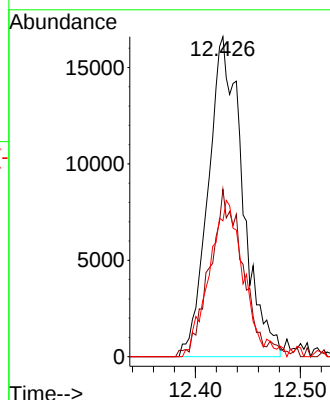
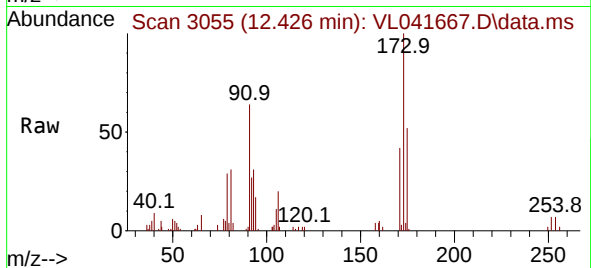
MDL-AIR-03-QT4-2024

Tgt Ion:	173	Resp:	37692
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.1	60.1
171	0.0	42.2	63.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#50

4-Methyl-2-Pentanone

Concen: 0.331 ppbv m

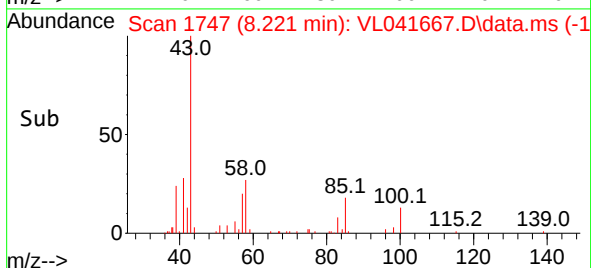
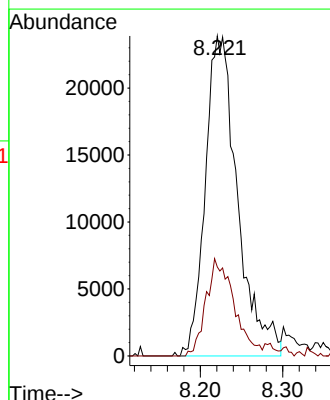
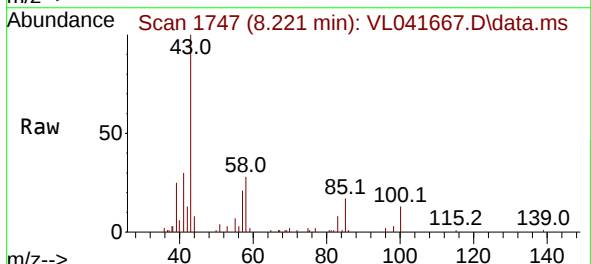
RT: 8.221 min Scan# 1747

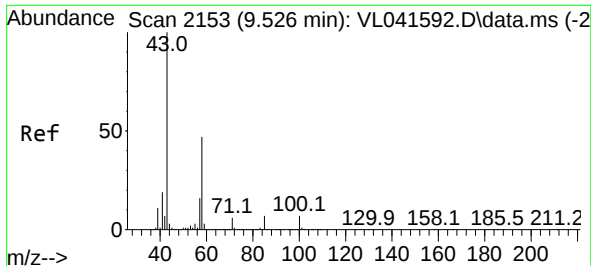
Delta R.T. 0.064 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

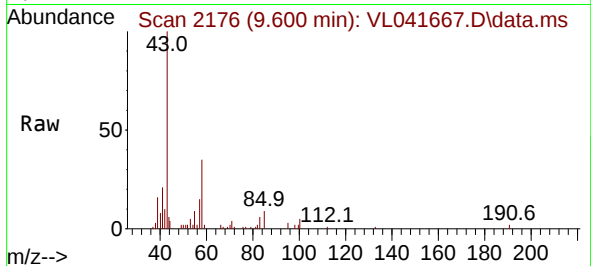
Tgt Ion:	43	Resp:	64917
Ion Ratio	Lower	Upper	
43	100		
58	28.6	27.8	41.8





#51
2-Hexanone
Concen: 0.273 ppbv m
RT: 9.600 min Scan# 2153
Delta R.T. 0.074 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

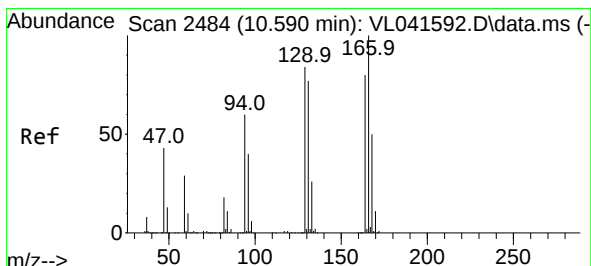
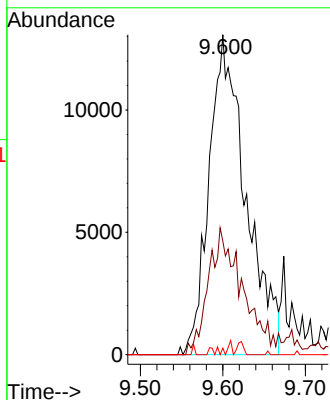
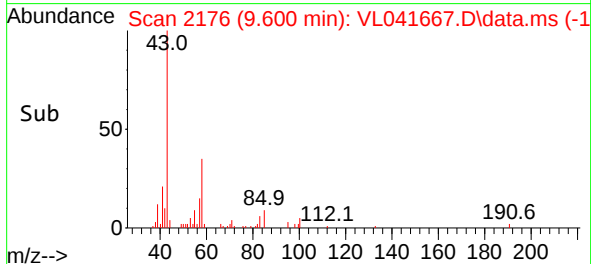
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 43 Resp: 40399
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8
98 0.0 0.5 0.7

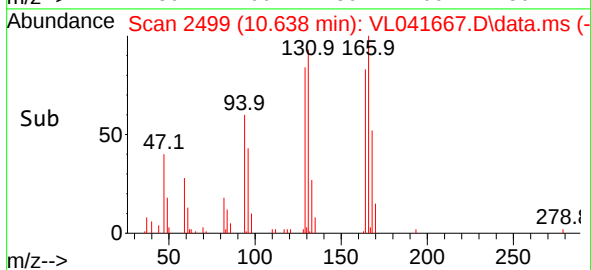
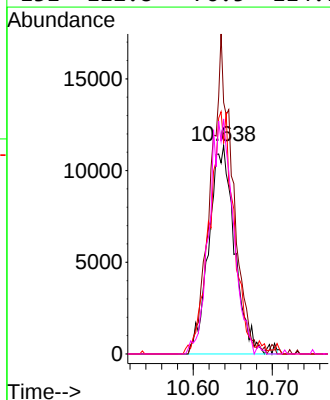
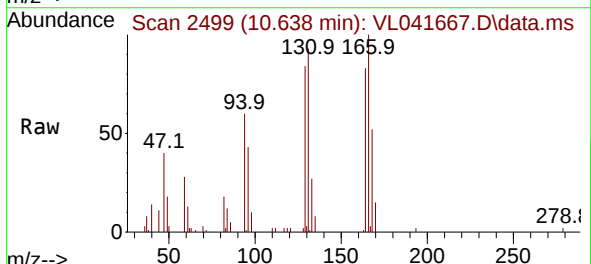
Manual Integrations
APPROVED

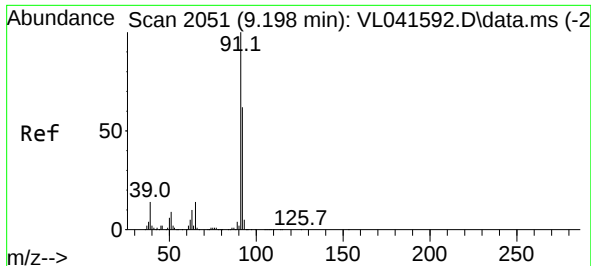
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#52
Tetrachloroethene
Concen: 0.386 ppbv m
RT: 10.638 min Scan# 2499
Delta R.T. 0.048 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion:164 Resp: 25799
Ion Ratio Lower Upper
164 100
166 120.7 99.4 149.2
129 101.1 83.5 125.3
131 112.8 76.5 114.7





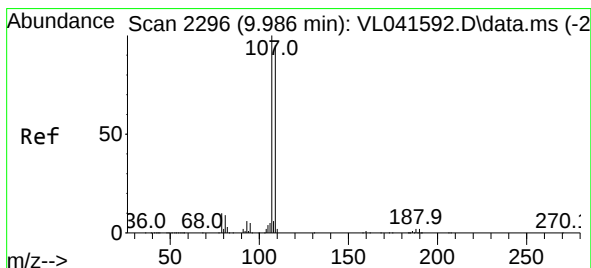
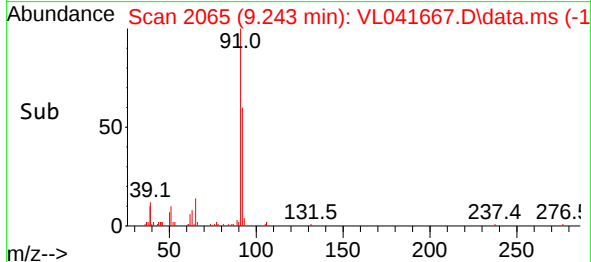
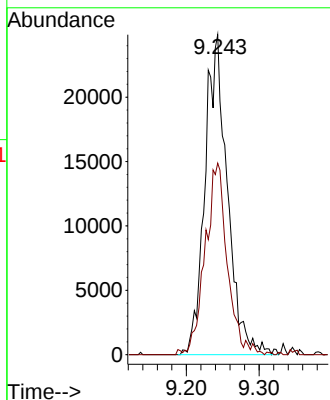
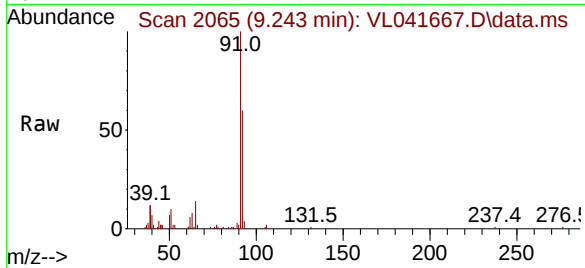
#53
Toluene
Concen: 0.273 ppbv m
RT: 9.243 min Scan# 2051
Delta R.T. 0.045 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 91 Resp: 53570
Ion Ratio Lower Upper
91 100
92 58.7 48.9 73.3

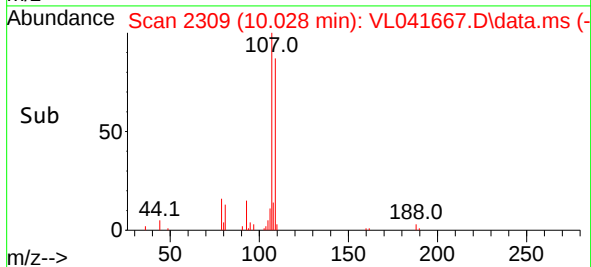
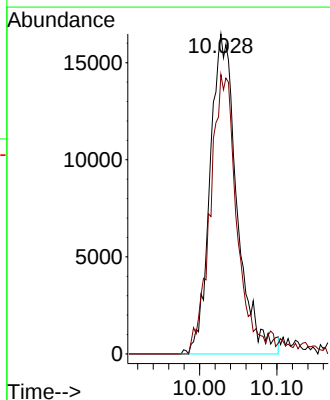
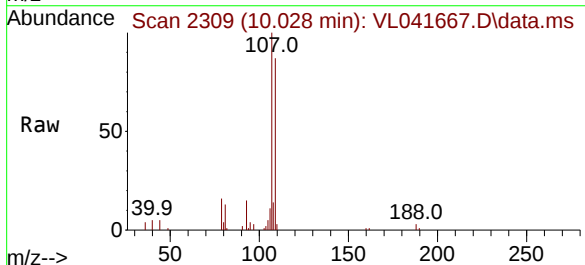
Manual Integrations
APPROVED

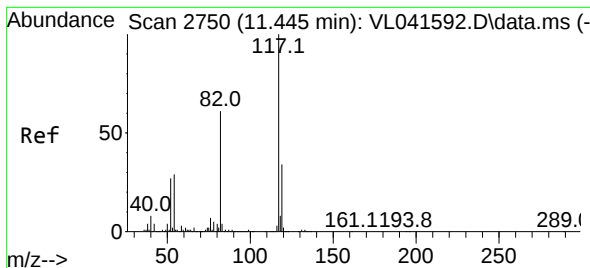
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#54
1,2-Dibromoethane
Concen: 0.404 ppbv m
RT: 10.028 min Scan# 2309
Delta R.T. 0.042 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

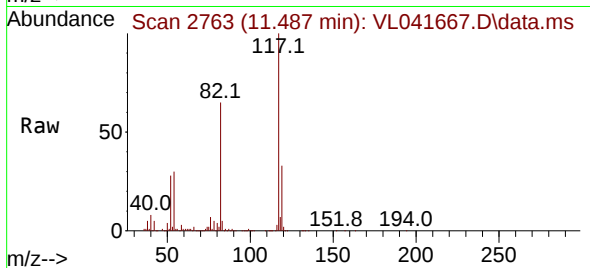
Tgt Ion:107 Resp: 39740
Ion Ratio Lower Upper
107 100
109 87.3 75.7 113.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

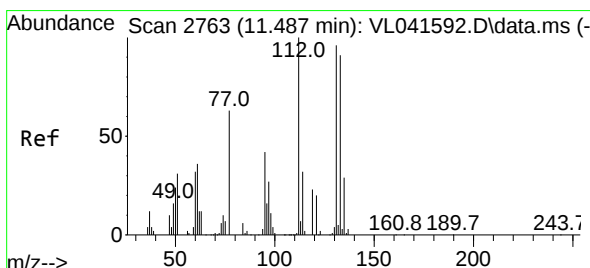
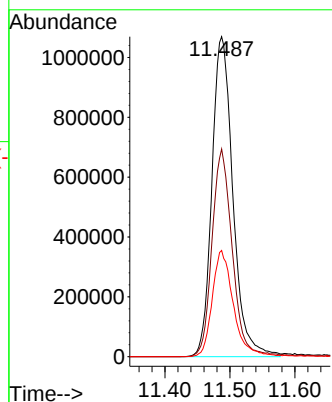
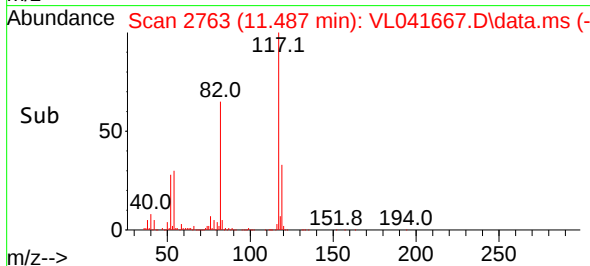
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



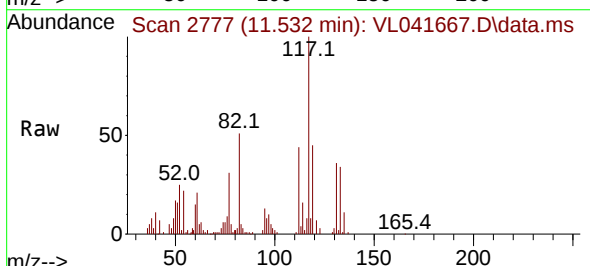
Tgt Ion:117 Resp: 239900
Ion Ratio Lower Upper
117 100
82 63.7 49.4 74.2
119 33.7 24.4 36.6

Manual Integrations
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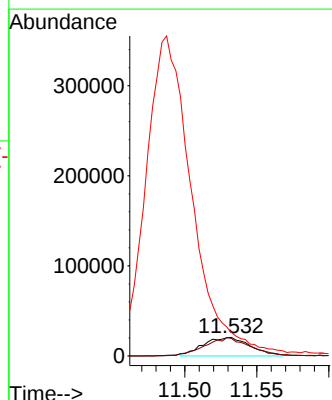
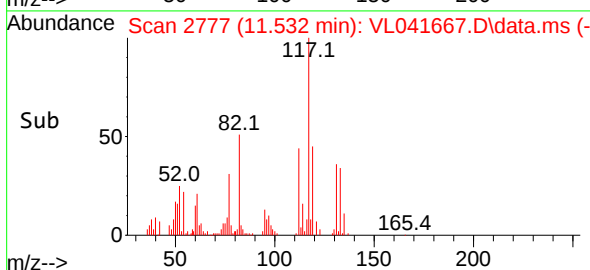
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

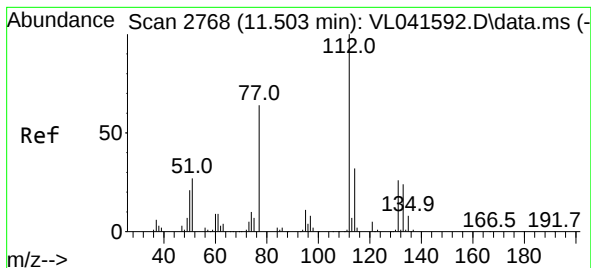


#56
1,1,1,2-Tetrachloroethane
Concen: 0.495 ppbv m
RT: 11.532 min Scan# 2777
Delta R.T. 0.045 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20



Tgt Ion:131 Resp: 46352
Ion Ratio Lower Upper
131 100
133 97.2 76.6 115.0
119 0.0 48.5 72.7#





#57

Chlorobenzene

Concen: 0.485 ppbv

RT: 11.545 min Scan# 21

Delta R.T. 0.042 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

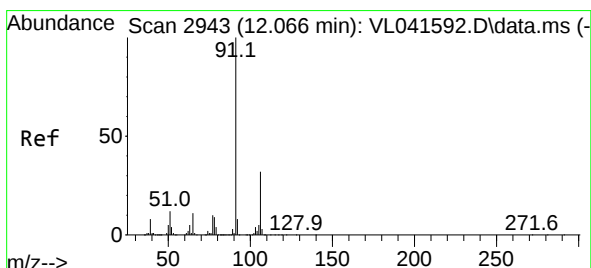
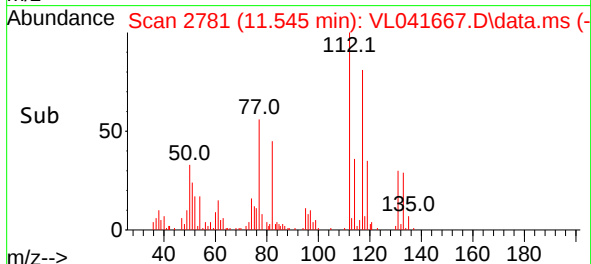
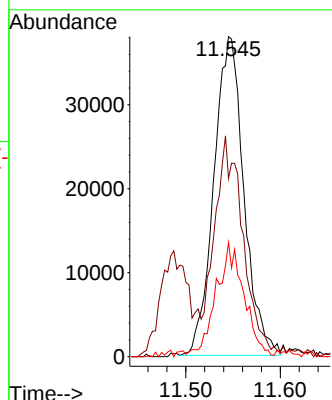
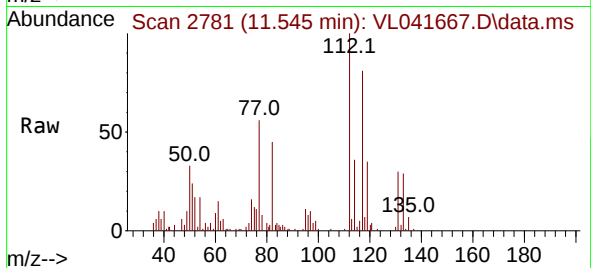
MDL-AIR-03-QT4-2024

Tgt Ion:112 Resp: 83930
 Ion Ratio Lower Upper
 112 100
 77 54.9 52.0 78.0
 114 35.2 28.6 35.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#58

Ethyl Benzene

Concen: 0.286 ppbv

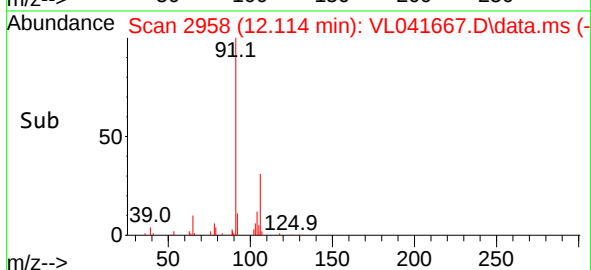
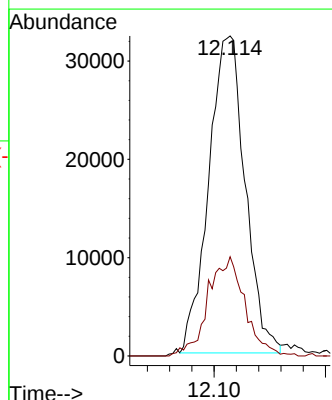
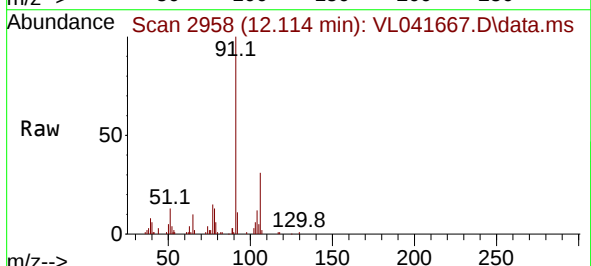
RT: 12.114 min Scan# 2958

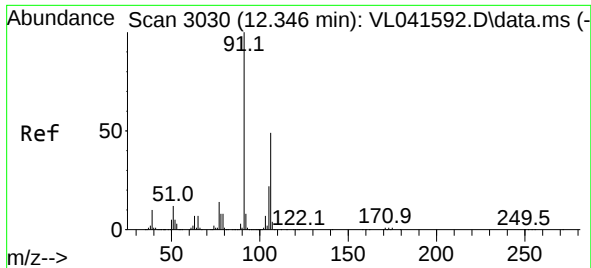
Delta R.T. 0.048 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

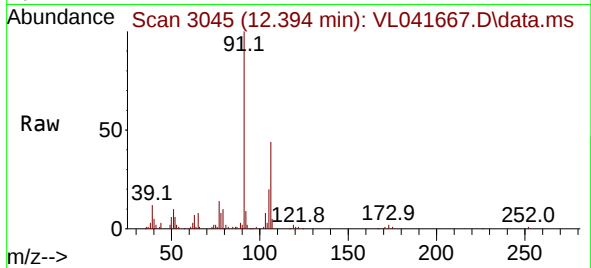
Tgt Ion: 91 Resp: 73346
 Ion Ratio Lower Upper
 91 100
 106 30.7 25.8 38.6





#59
m/p-Xylene
Concen: 0.655 ppbv m
RT: 12.394 min Scan# 3030
Delta R.T. 0.048 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

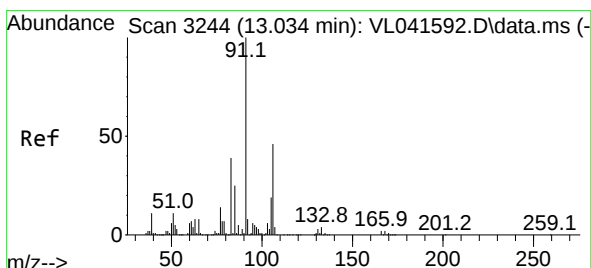
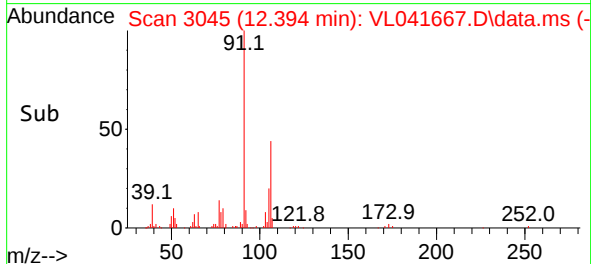
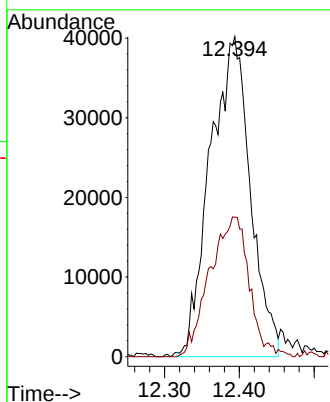
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 91 Resp: 14979
Ion Ratio Lower Upper
91 100
106 43.0 36.8 55.2

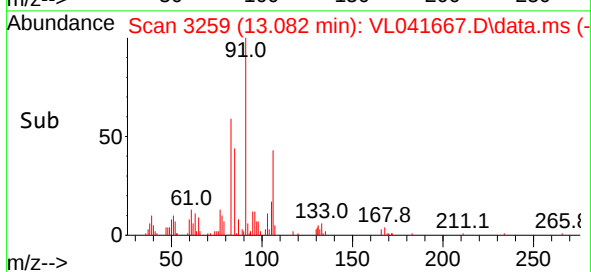
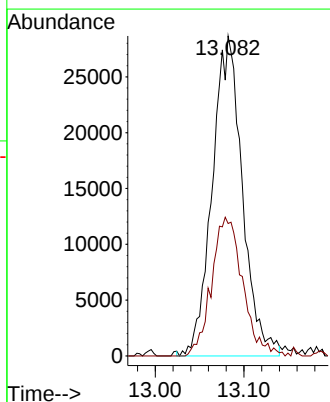
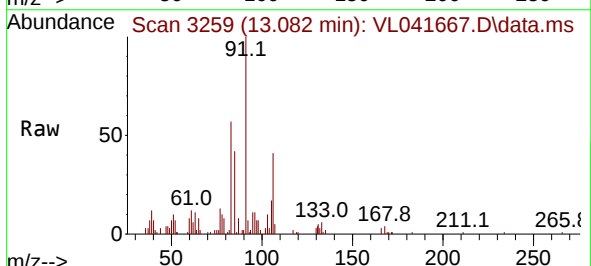
Manual Integrations
APPROVED

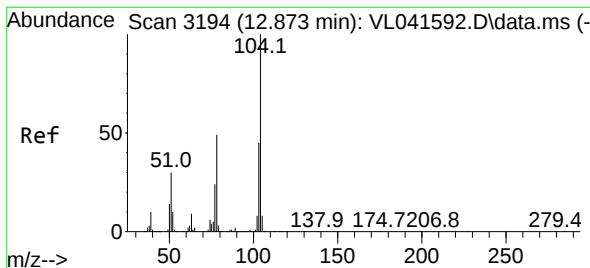
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#60
o-Xylene
Concen: 0.309 ppbv m
RT: 13.082 min Scan# 3259
Delta R.T. 0.048 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion: 91 Resp: 67664
Ion Ratio Lower Upper
91 100
106 45.2 23.1 69.3





#61

Styrene

Concen: 0.228 ppbv m

RT: 12.918 min Scan# 3194

Delta R.T. 0.045 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

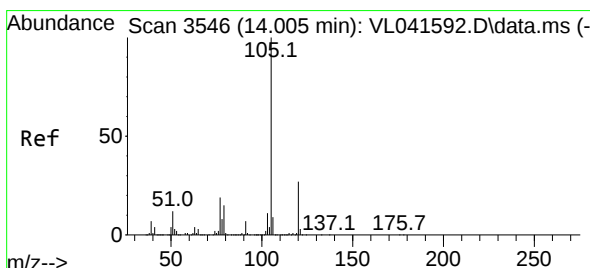
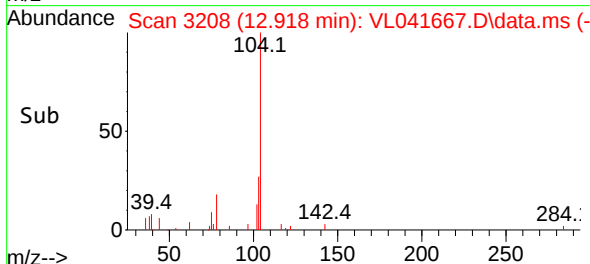
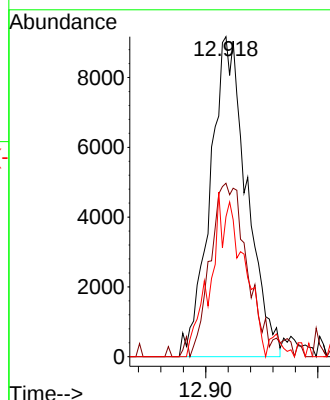
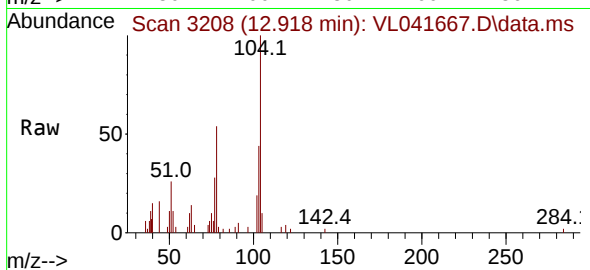
MDL-AIR-03-QT4-2024

Tgt Ion:104	Resp:	2083
Ion Ratio	Lower	Upper
104	100	
78	57.0	39.8 59.6
103	48.9	37.4 56.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#62

Isopropylbenzene

Concen: 0.381 ppbv m

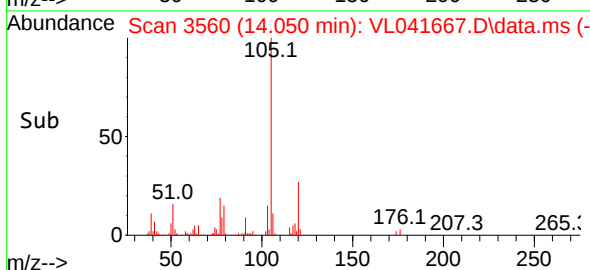
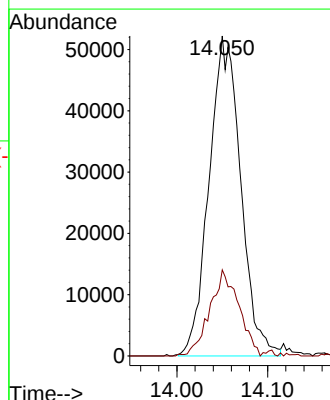
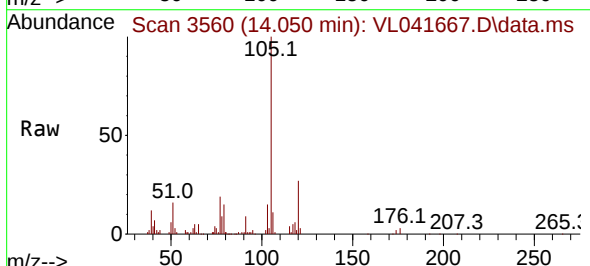
RT: 14.050 min Scan# 3560

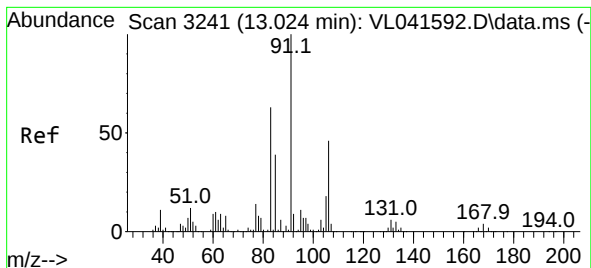
Delta R.T. 0.045 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Tgt Ion:105	Resp:	126366
Ion Ratio	Lower	Upper
105	100	
120	0.0	20.9 31.3#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.503 ppbv m

RT: 13.076 min Scan# 31

Delta R.T. 0.052 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

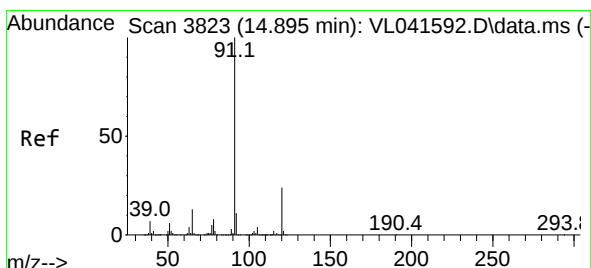
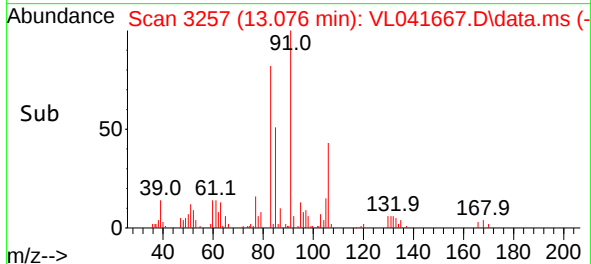
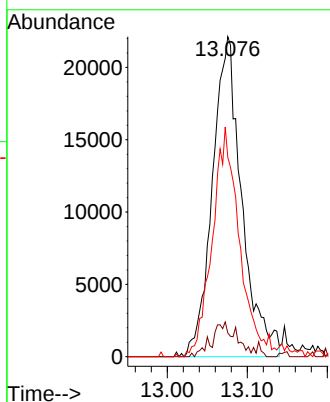
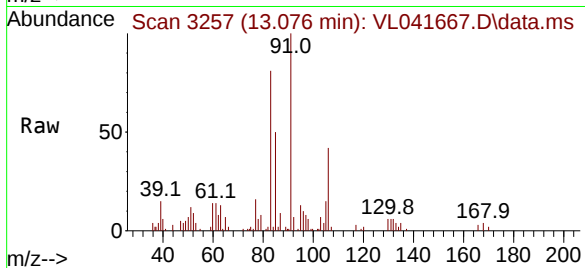
MDL-AIR-03-QT4-2024

Tgt Ion: 83 Resp: 56369
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.4
 85 68.8 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#64

n-propylbenzene

Concen: 0.340 ppbv m

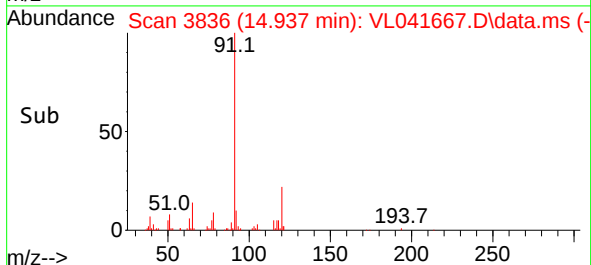
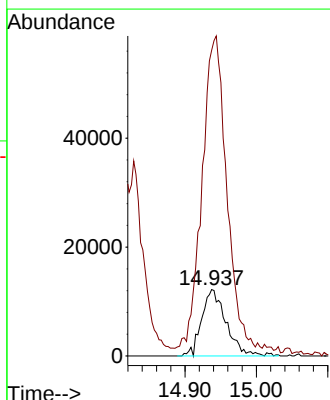
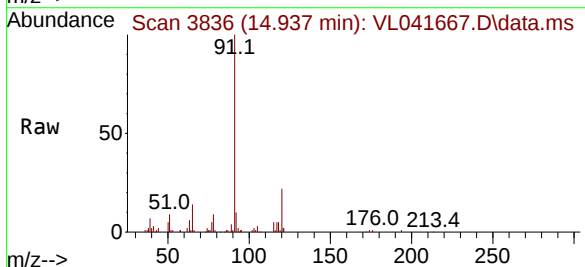
RT: 14.937 min Scan# 3836

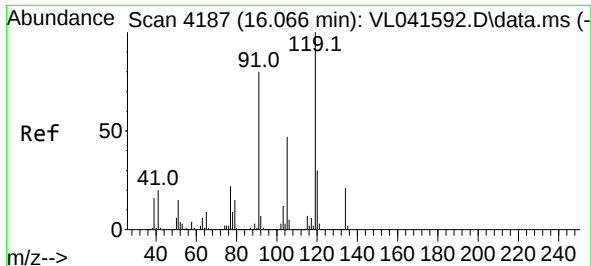
Delta R.T. 0.042 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

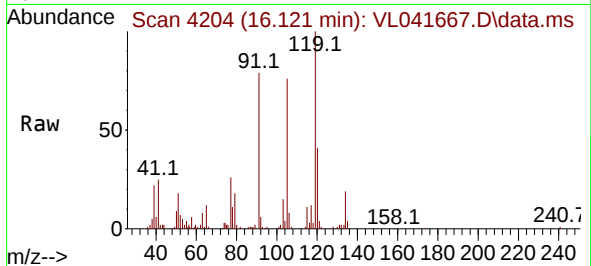
Tgt Ion:120 Resp: 29195
 Ion Ratio Lower Upper
 120 100
 91 509.2 366.4 549.6





#65
tert-Butylbenzene
Concen: 0.352 ppbv m
RT: 16.121 min Scan# 4187
Delta R.T. 0.055 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

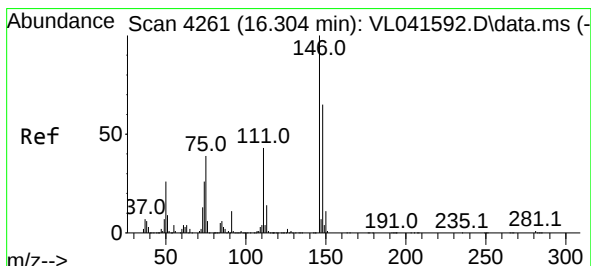
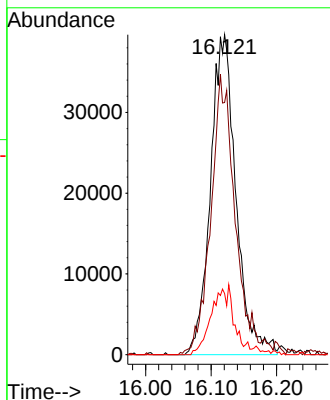
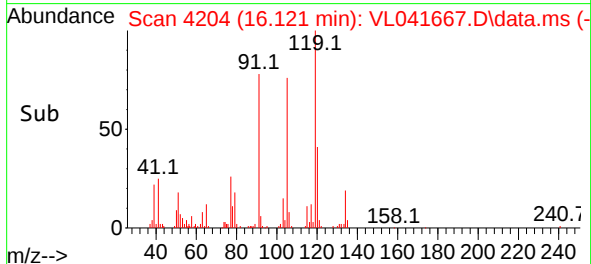
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 119 Resp: 10706
Ion Ratio Lower Upper
119 100
91 0.0 64.6 96.8
134 20.4 15.8 23.8

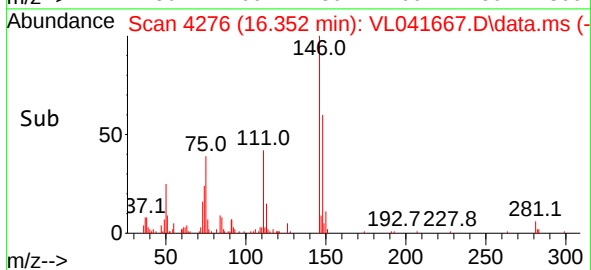
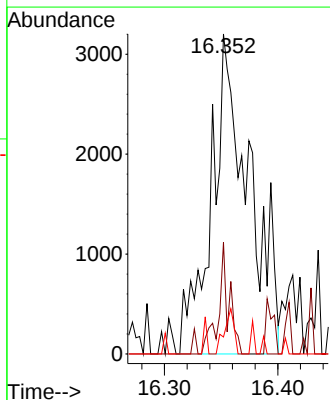
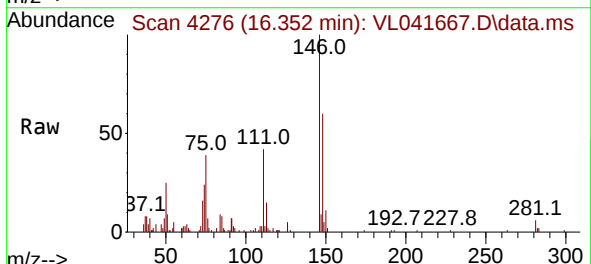
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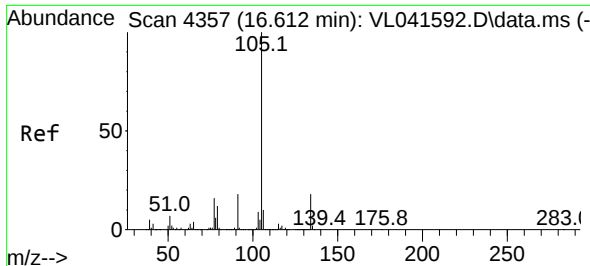
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#66
Benzyl Chloride
Concen: 0.467 ppbv m
RT: 16.352 min Scan# 4276
Delta R.T. 0.048 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

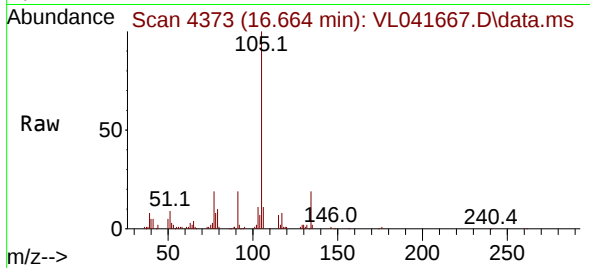
Tgt Ion: 91 Resp: 7384
Ion Ratio Lower Upper
91 100
126 10.5 15.4 23.2
128 5.5 4.8 7.2





#67
 sec-Butylbenzene
 Concen: 0.360 ppbv
 RT: 16.664 min Scan# 41
 Delta R.T. 0.052 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

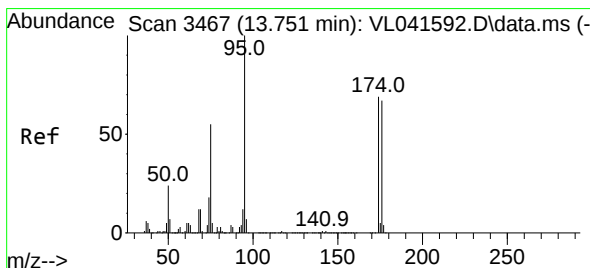
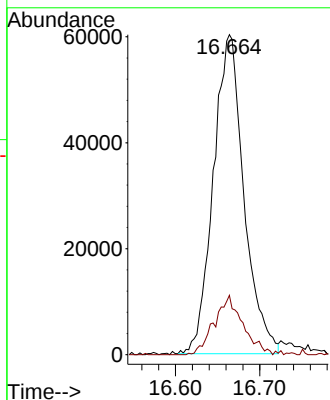
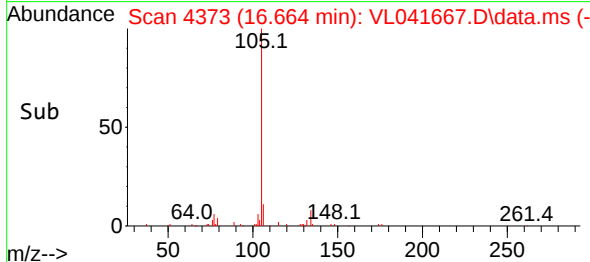
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024



Tgt Ion:105 Resp: 15189
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.6 21.8

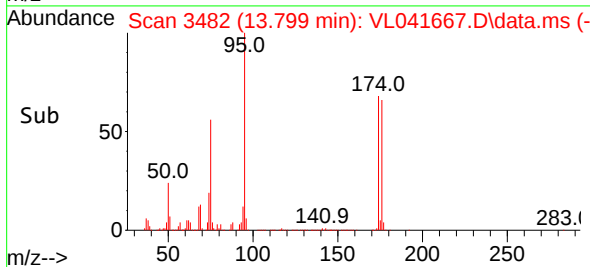
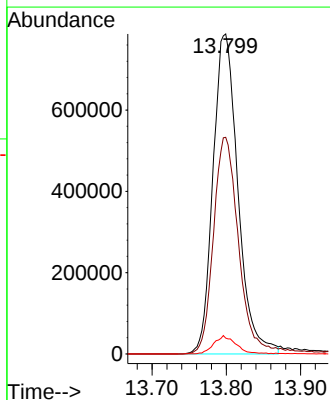
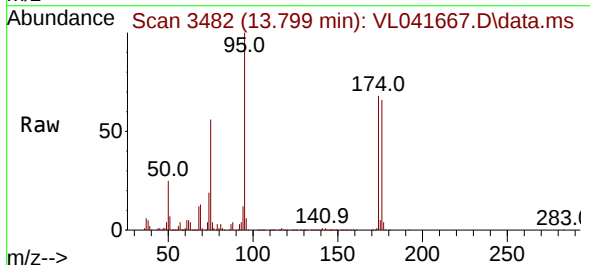
Manual Integrations
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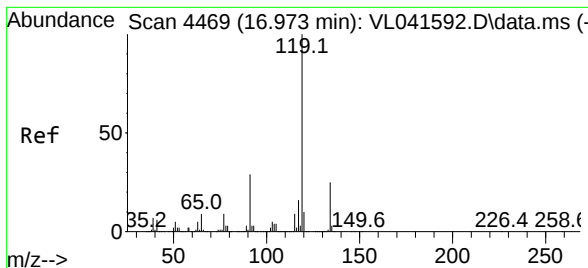
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.425 ppbv
 RT: 13.799 min Scan# 3482
 Delta R.T. 0.048 min
 Lab File: VL041667.D
 Acq: 14 Oct 2024 14:20

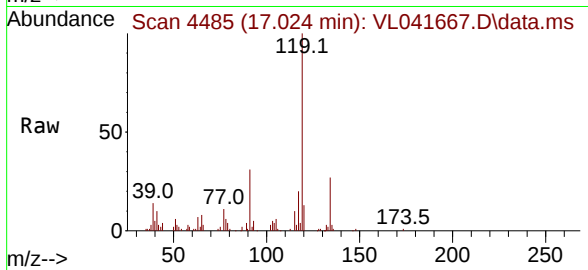
Tgt Ion: 95 Resp: 1841091
 Ion Ratio Lower Upper
 95 100
 174 68.8 55.8 83.8
 175 5.3 4.1 6.1





#69
p-Isopropyltoluene
Concen: 0.318 ppbv m
RT: 17.024 min Scan# 4469
Delta R.T. 0.052 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

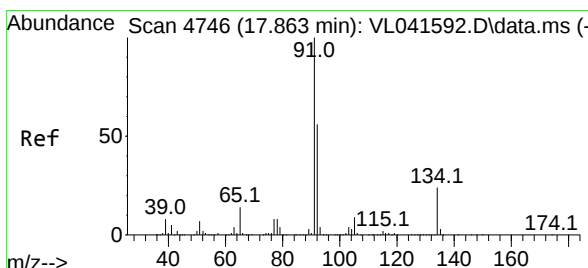
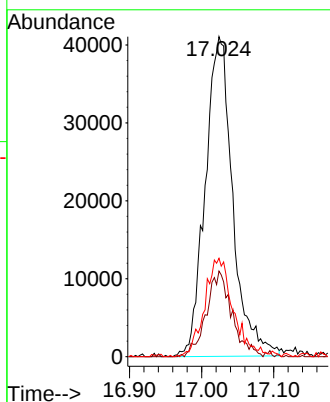
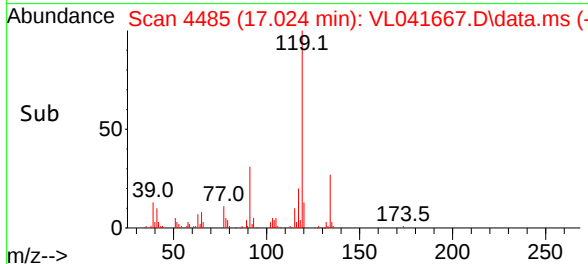
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



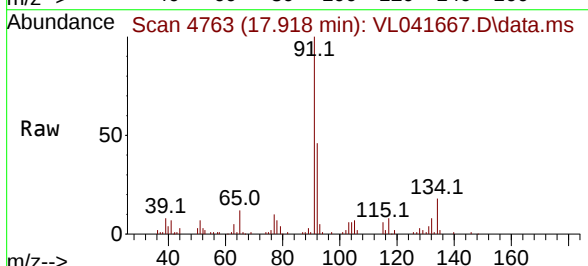
Tgt Ion:119 Resp: 108800
Ion Ratio Lower Upper
119 100
134 25.3 20.5 30.7
91 32.5 23.1 34.7

Manual Integrations
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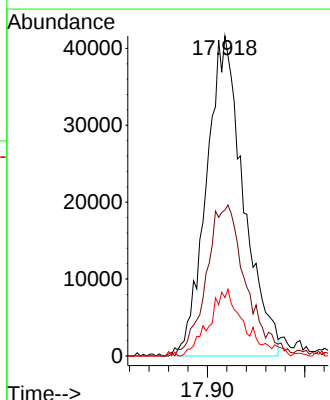
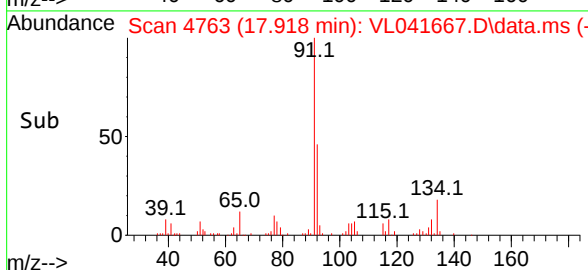
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

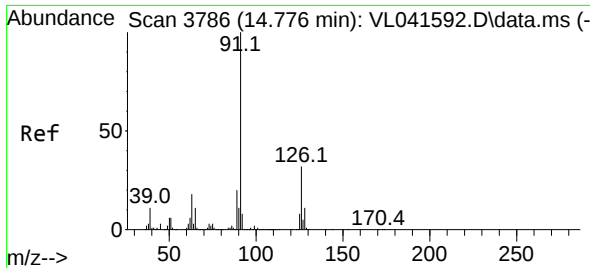


#70
n-Butylbenzene
Concen: 0.308 ppbv m
RT: 17.918 min Scan# 4763
Delta R.T. 0.055 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20



Tgt Ion: 91 Resp: 110127
Ion Ratio Lower Upper
91 100
92 51.6 43.2 64.8
134 20.7 18.6 27.8





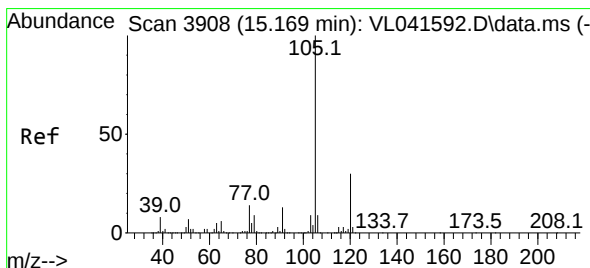
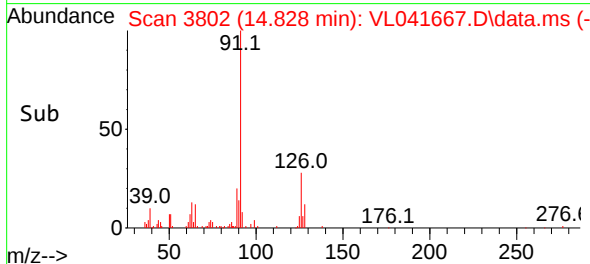
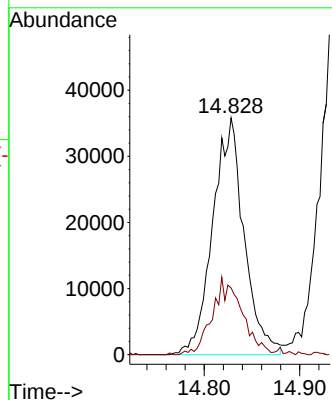
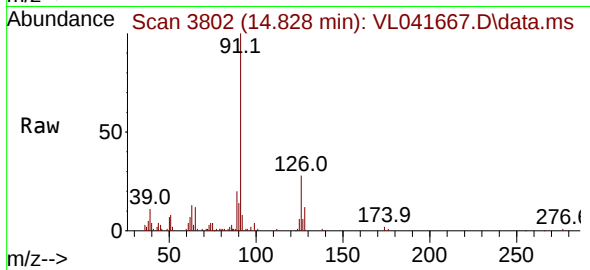
#71
2-Chlorotoluene
Concen: 0.333 ppbv m
RT: 14.828 min Scan# 31
Delta R.T. 0.052 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 91 Resp: 8126
Ion Ratio Lower Upper
91 100
126 0.0 12.9 51.5

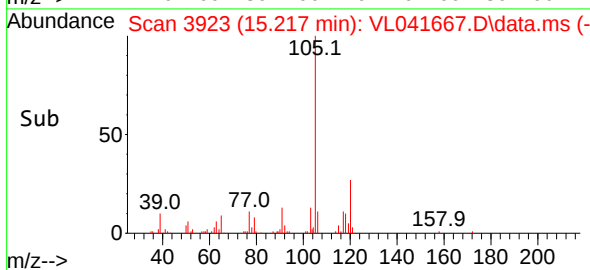
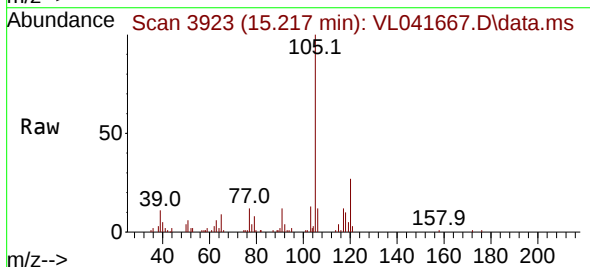
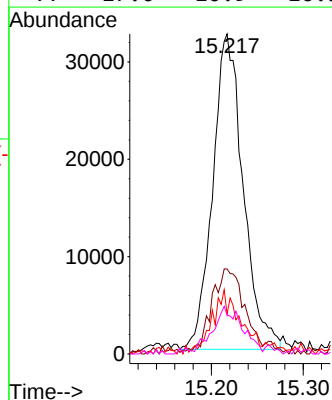
Manual Integrations
APPROVED

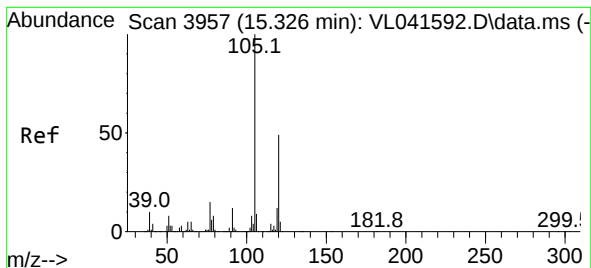
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#72
4-Ethyltoluene
Concen: 0.292 ppbv
RT: 15.217 min Scan# 3923
Delta R.T. 0.048 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Tgt Ion:105 Resp: 74731
Ion Ratio Lower Upper
105 100
120 30.9 24.1 36.1
91 21.6 10.2 15.2#
77 17.0 10.9 16.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.315 ppbv m

RT: 15.381 min Scan# 3957

Delta R.T. 0.055 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion:105 Resp: 7128

Ion Ratio Lower Upper

105 100

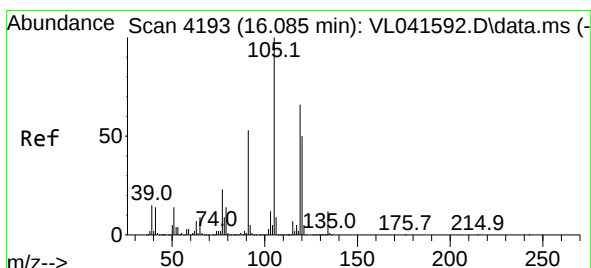
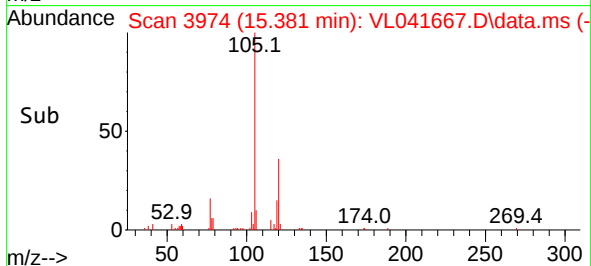
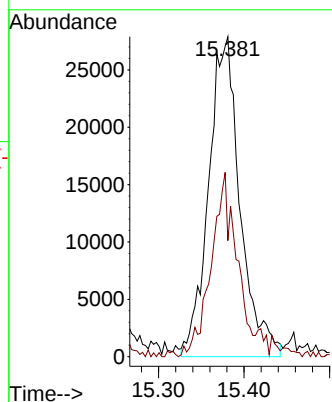
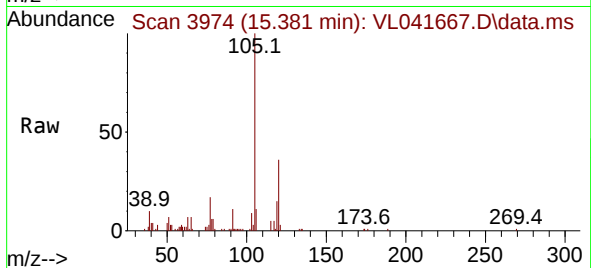
120 36.2 39.4 59.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.354 ppbv

RT: 16.130 min Scan# 4207

Delta R.T. 0.045 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Tgt Ion:105 Resp: 93802

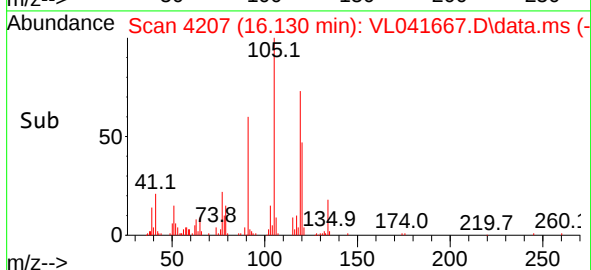
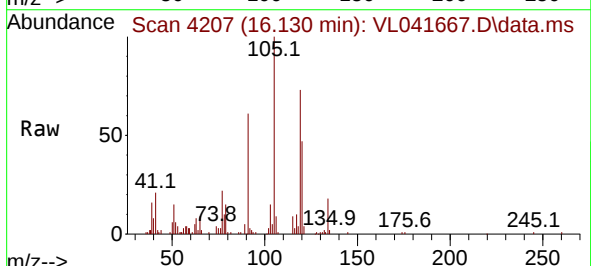
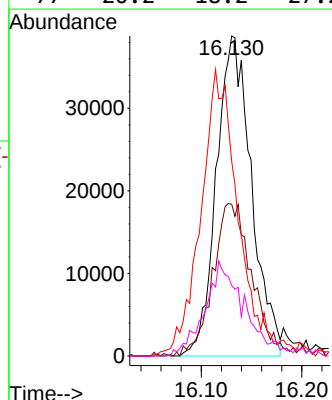
Ion Ratio Lower Upper

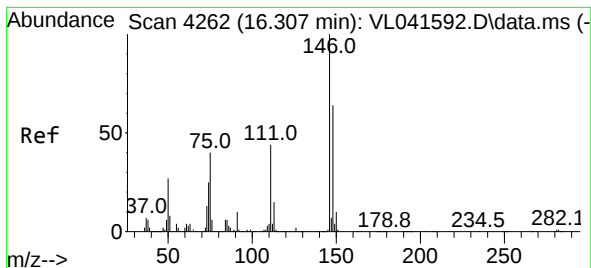
105 100

120 47.4 39.9 59.9

91 56.2 42.6 63.8

77 20.2 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 0.402 ppbv m

RT: 16.358 min Scan# 4322

Delta R.T. 0.052 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

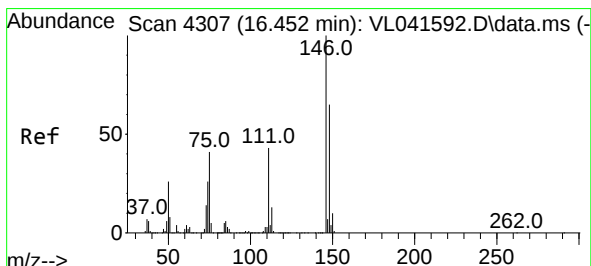
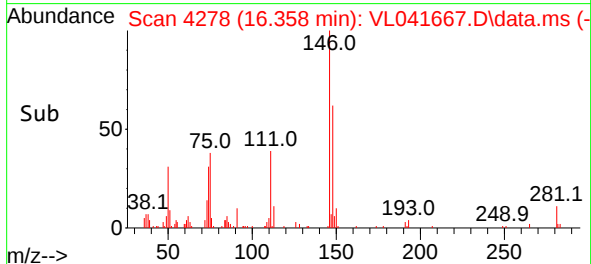
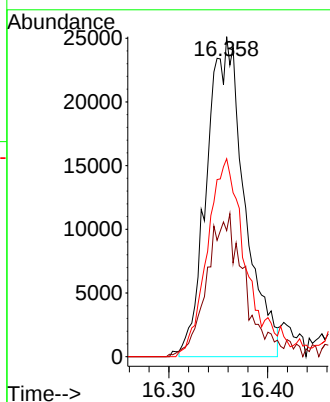
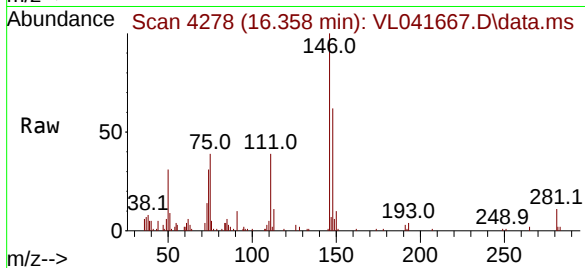
MDL-AIR-03-QT4-2024

Tgt Ion:146	Resp:	66710
Ion Ratio	Lower	Upper
146	100	
111	46.8	22.4 67.0
148	65.3	32.1 96.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#76

1,4-Dichlorobenzene

Concen: 0.439 ppbv m

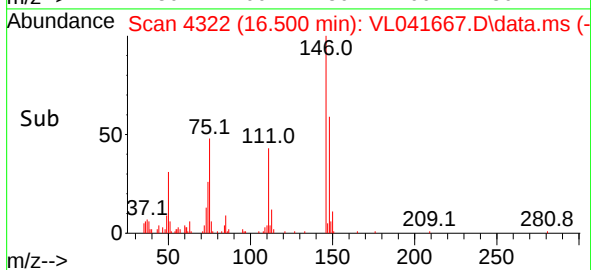
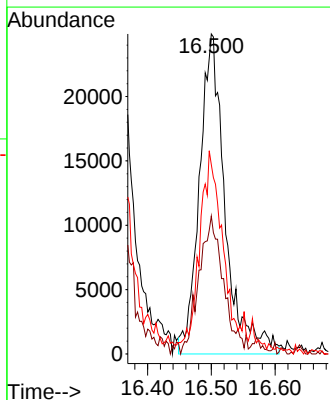
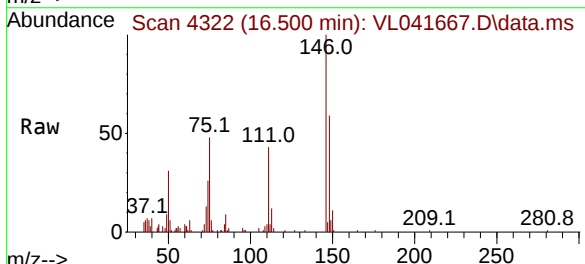
RT: 16.500 min Scan# 4322

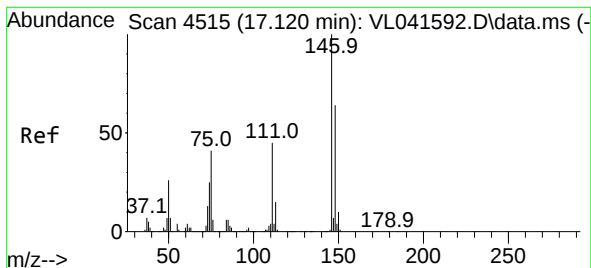
Delta R.T. 0.048 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Tgt Ion:146	Resp:	69755
Ion Ratio	Lower	Upper
146	100	
111	0.0	22.4 67.3#
148	0.0	32.8 98.4#





#77

1,2-Dichlorobenzene

Concen: 0.418 ppbv

RT: 17.169 min Scan# 4515

Delta R.T. 0.048 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

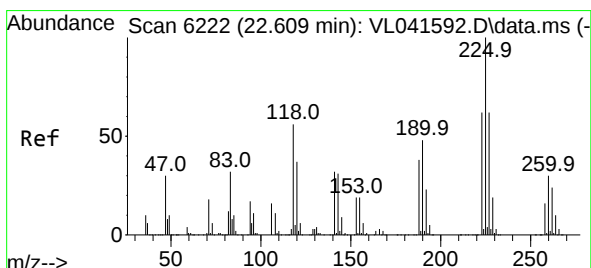
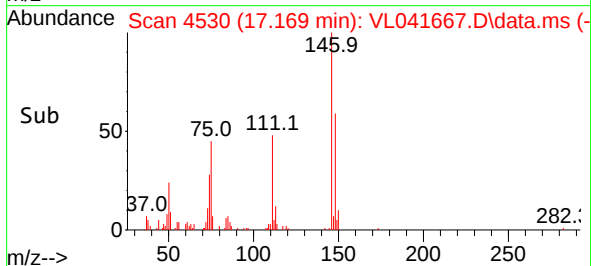
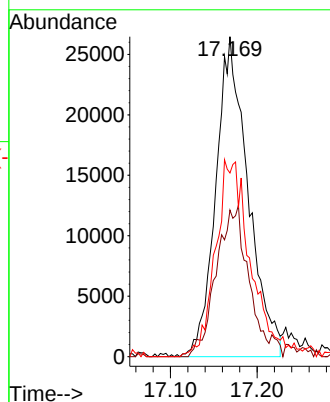
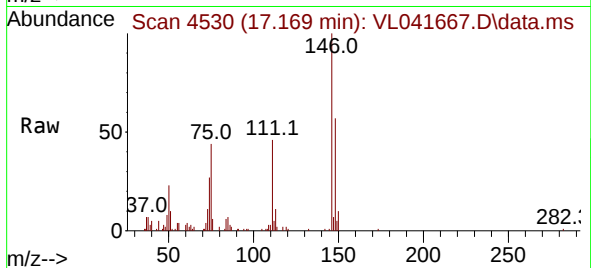
MDL-AIR-03-QT4-2024

Tgt Ion:	146	Resp:	68440
Ion Ratio	Lower	Upper	
146	100		
111	49.3	23.4	70.0
148	68.1	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.465 ppbv m

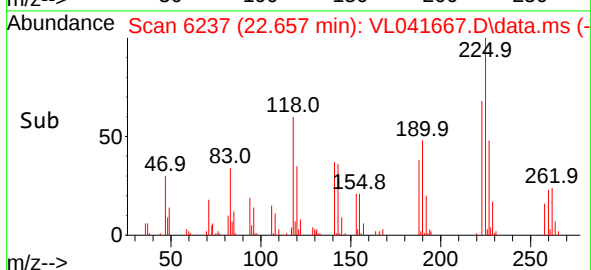
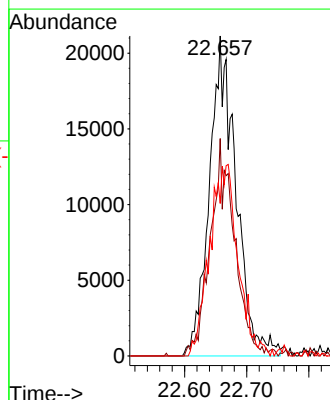
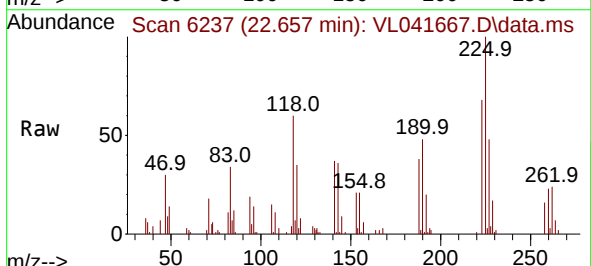
RT: 22.657 min Scan# 6237

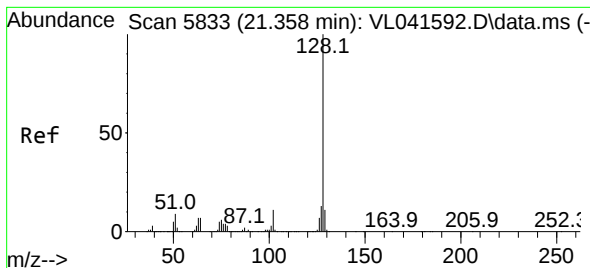
Delta R.T. 0.048 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

Tgt Ion:	225	Resp:	62819
Ion Ratio	Lower	Upper	
225	100		
223	0.0	50.6	75.8#
227	0.0	50.9	76.3#





#79

Naphthalene

Concen: 0.188 ppbv m

RT: 21.429 min Scan# 5833

Delta R.T. 0.071 min

Lab File: VL041667.D

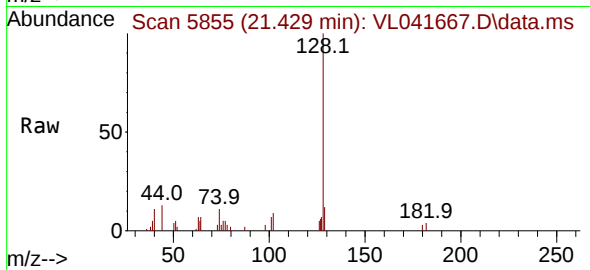
Acq: 14 Oct 2024 14:20

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

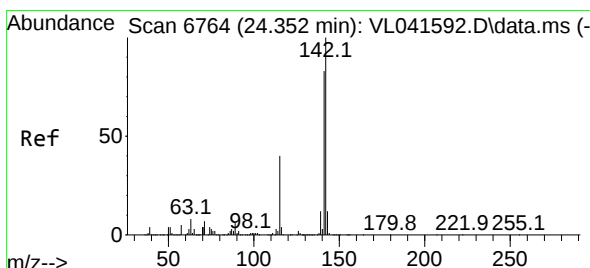
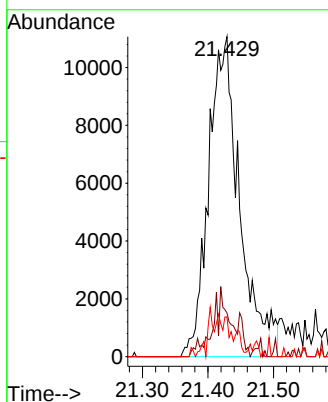
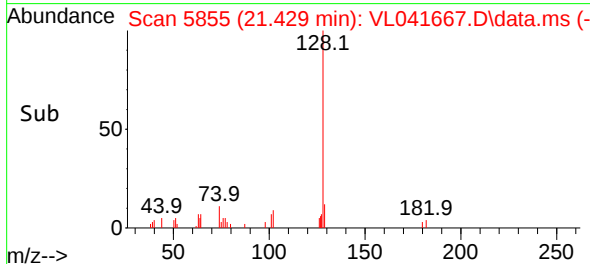


Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.4	10.1	15.1
129	12.5	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#80

Naphthalene,2-methyl-

Concen: 0.052 ppbv m

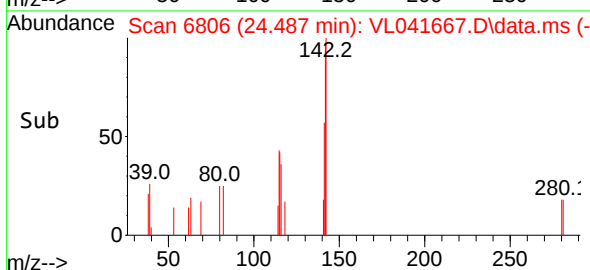
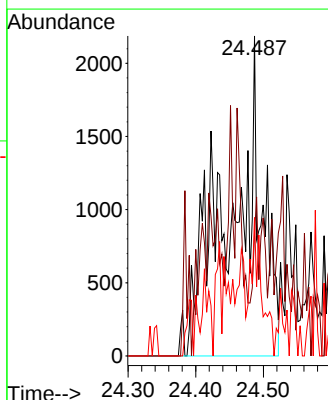
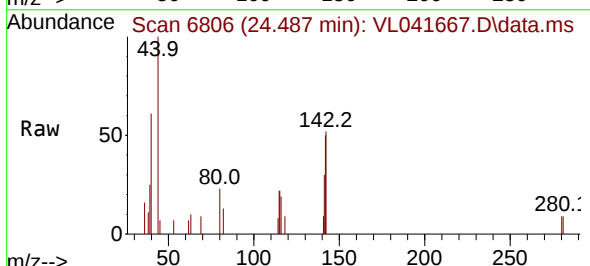
RT: 24.487 min Scan# 6806

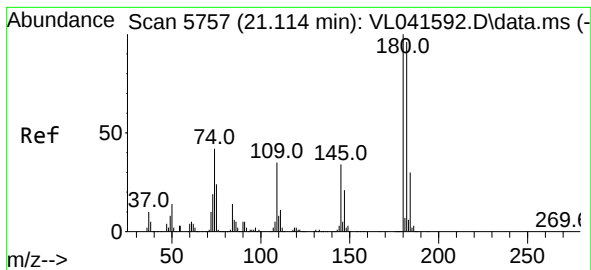
Delta R.T. 0.135 min

Lab File: VL041667.D

Acq: 14 Oct 2024 14:20

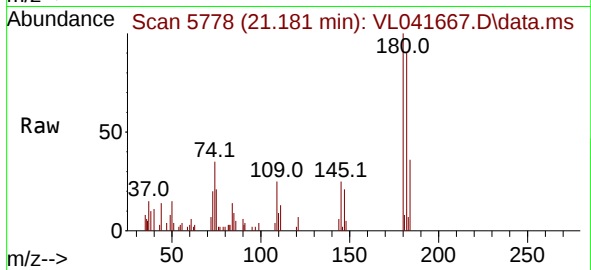
Tgt Ion	Ratio	Lower	Upper
142	100		
141	58.0	66.3	99.5
115	21.7	31.4	47.2





#81
1,2,4-Trichlorobenzene
Concen: 0.229 ppbv m
RT: 21.181 min Scan# 51
Delta R.T. 0.068 min
Lab File: VL041667.D
Acq: 14 Oct 2024 14:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion:180 Resp: 28375
Ion Ratio Lower Upper
180 100
182 0.0 76.5 114.7
184 30.3 24.7 37.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

