

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039595.D
 Acq On : 26 Aug 2022 9:03
 Operator : SY/AP
 Sample : N3980-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 27 00:01:50 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/29/2022
 Supervised By : Semsettin Yesilyurt 08/29/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.205	49	968476	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2523438	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2266793	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1689435	9.879	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	95481	0.741	ppbv	92
3) Chlorodifluoromethane	2.697	51	64117	0.556	ppbv	95
4) Chloromethane	2.835	50	33674	0.485	ppbv	100
5) Vinyl Chloride	2.944	62	29534	0.527	ppbv	99
6) Bromomethane	3.144	94	11492	0.483	ppbv	85
7) Chloroethane	3.224	64	10261	0.488	ppbv #	85
8) Dichlorotetrafluoroethane	2.880	85	73184	0.531	ppbv	96
9) Propene	2.719	41	29333	0.556	ppbv	99
10) Heptane	7.591	43	49632	0.406	ppbv	96
11) Trichlorofluoromethane	3.584	101	77916	0.551	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.086	101	56344m	0.539	ppbv	
13) Ethanol	3.276	45	2664m	0.702	ppbv	
14) Bromoethene	3.395	108	21500m	0.503	ppbv	
15) Acetone	3.501	43	61896	0.571	ppbv #	86
16) 1,3-Butadiene	3.009	39	27384	0.484	ppbv	95
17) tert-Butyl alcohol	3.915	59	27198	0.294	ppbv	95
18) 1,1-Dichloroethene	3.899	96	24428m	0.518	ppbv	
19) Isopropyl Alcohol	3.616	45	22289m	0.422	ppbv	
20) Methylene Chloride	3.954	84	30428	0.690	ppbv	92
21) Allyl Chloride	4.015	41	37795m	0.536	ppbv	
22) trans-1,2-Dichloroethene	4.462	96	20593	0.439	ppbv #	77
23) Vinyl Acetate	4.652	43	36161m	0.701	ppbv	
24) 1,1-Dichloroethane	4.584	63	51908m	0.544	ppbv	
25) Ethyl Acetate	5.230	43	99871	0.430	ppbv #	94
26) Hexane	5.230	57	42337	0.447	ppbv #	74
27) Carbon Disulfide	4.147	76	33643	0.332	ppbv #	76
28) Methyl tert-Butyl Ether	4.613	73	37437	0.458	ppbv	97
29) Chloroform	5.285	83	78212	0.528	ppbv	90
30) Cyclohexane	6.613	84	35710m	0.455	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	39291m	0.428	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	65339m	0.501	ppbv	
34) 2-Butanone	4.816	43	61253	0.488	ppbv	98
35) Carbon Tetrachloride	6.507	117	63379	0.465	ppbv	99
36) Benzene	6.382	78	82202	0.427	ppbv	96
37) 1,2-Dichloroethane	5.825	62	52697m	0.497	ppbv	
38) Trichloroethene	7.304	130	48465m	0.470	ppbv	
39) 1,2-Dichloropropane	7.082	63	32800	0.454	ppbv #	88
40) 1,4-Dioxane	7.337	88	9511m	0.336	ppbv	
41) Tetrahydrofuran	5.603	42	29769m	0.397	ppbv	
42) Bromodichloromethane	7.256	83	67182	0.463	ppbv #	88
43) Methyl Methacrylate	7.497	69	26504m	0.382	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	147496m	0.455	ppbv	
45) t-1,3-Dichloropropene	8.719	75	18373m	0.304	ppbv	

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Manual Integrations
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Quant Time: Aug 27 00:01:50 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 27 00:01:50 2022

QLast Update : Fri Aug 26 06:05:16 2022

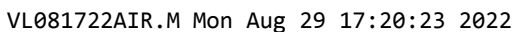
Response via : Initial Calibration

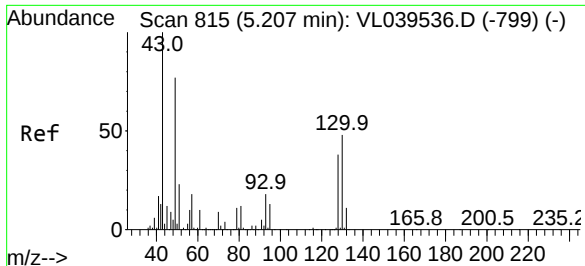
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	27052m	0.323	ppbv	
47) 1,1,2-Trichloroethane	8.906	97	41121m	0.498	ppbv	
48) Dibromochloromethane	9.716	129	49340	0.405	ppbv	98
49) Bromoform	12.407	173	39904m	0.396	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	77952m	0.399	ppbv	
51) 2-Hexanone	9.584	43	49108m	0.341	ppbv	
52) Tetrachloroethene	10.619	164	33662m	0.463	ppbv	
53) Toluene	9.230	91	77945	0.362	ppbv	97
54) 1,2-Dibromoethane	10.012	107	42356m	0.459	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	48640	0.528	ppbv #	1
57) Chlorobenzene	11.536	112	91570m	0.541	ppbv	
58) Ethyl Benzene	12.098	91	103013m	0.396	ppbv	
59) m/p-Xylene	12.378	91	202826m	0.868	ppbv	
60) o-Xylene	13.063	91	91558	0.408	ppbv	96
61) Styrene	12.909	104	39508	0.331	ppbv	96
62) Isopropylbenzene	14.037	105	160270	0.473	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	56229m	0.529	ppbv	
64) n-propylbenzene	14.928	120	39151	0.444	ppbv	82
65) tert-Butylbenzene	16.095	119	148201m	0.492	ppbv	
66) Benzyl Chloride	16.339	91	10431m	0.426	ppbv	
67) sec-Butylbenzene	16.642	105	188809	0.442	ppbv	100
69) p-Isopropyltoluene	17.005	119	152742	0.431	ppbv	95
70) n-Butylbenzene	17.902	91	152452m	0.432	ppbv	
71) 2-Chlorotoluene	14.806	91	98579	0.401	ppbv	94
72) 4-Ethyltoluene	15.198	105	109873m	0.419	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	91094	0.380	ppbv	95
74) 1,2,4-Trimethylbenzene	16.114	105	117263	0.439	ppbv #	92
75) 1,3-Dichlorobenzene	16.330	146	81121m	0.500	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	74101	0.458	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	80408m	0.506	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	70911m	0.560	ppbv	
79) Naphthalene	21.397	128	67484m	0.355	ppbv	
80) Naphthalene,2-methyl-	24.390	142	7438	0.096	ppbv #	84
81) 1,2,4-Trichlorobenzene	21.146	180	52711m	0.415	ppbv	

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

Manual Integrations

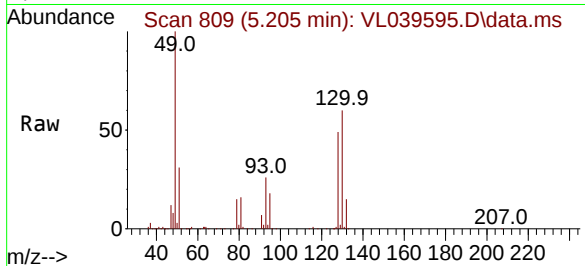
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.002 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

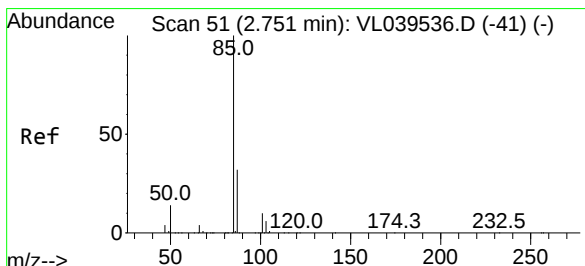
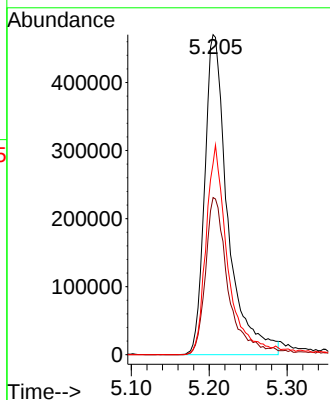
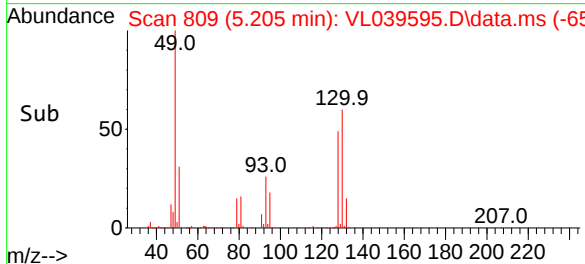
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 49 Resp: 968470
Ion Ratio Lower Upper
49 100
128 50.9 26.7 80.0
130 64.0 34.3 102.8

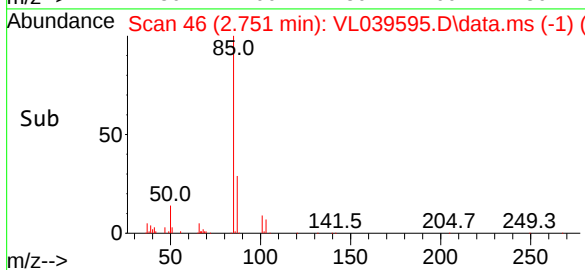
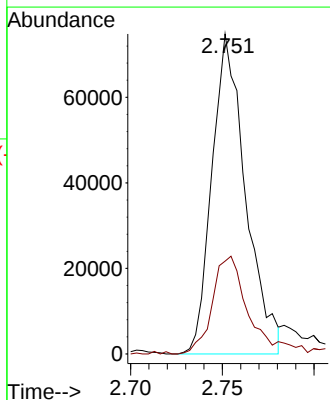
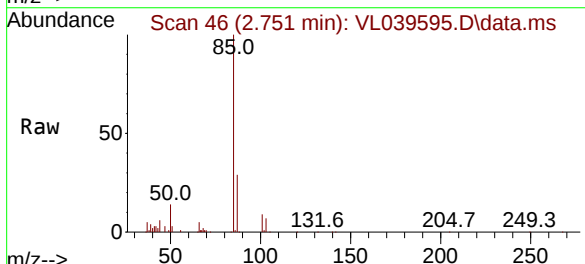
Manual Integrations
APPROVED

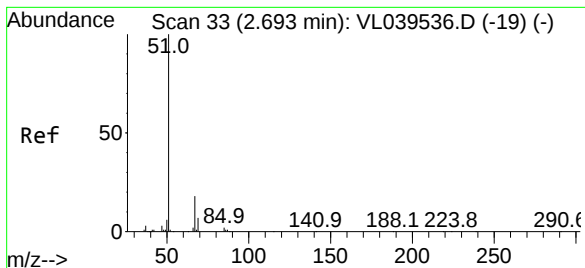
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#2
Dichlorodifluoromethane
Concen: 0.741 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

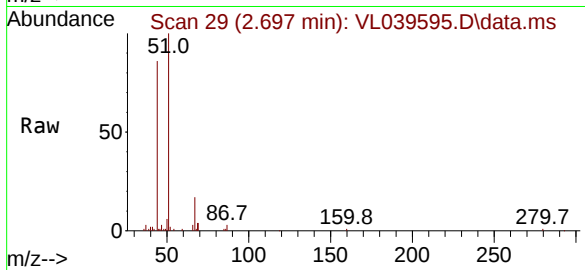
Tgt Ion: 85 Resp: 95481
Ion Ratio Lower Upper
85 100
87 29.0 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.556 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

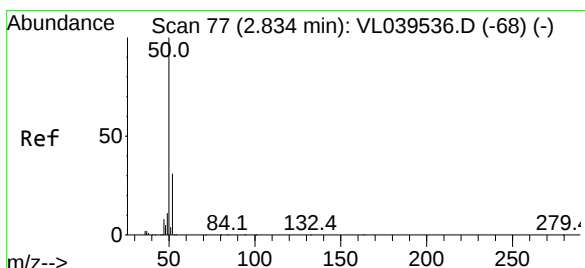
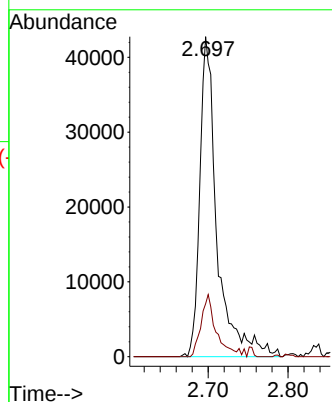
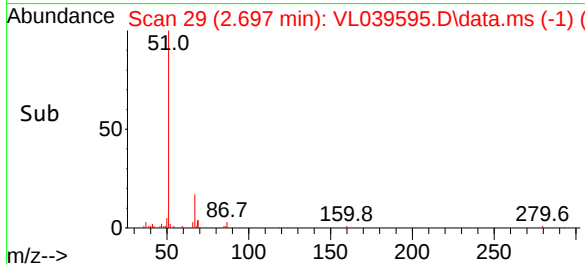
Instrument :
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ClientSampleId :
MDL-AIR-03-QT3-2022



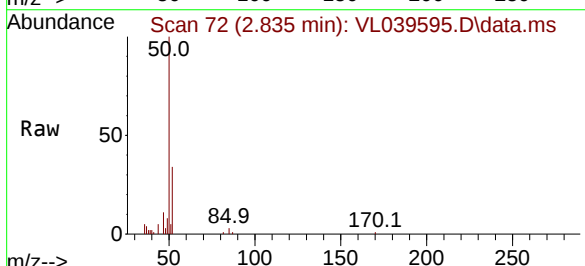
Tgt Ion: 51 Resp: 6411
Ion Ratio Lower Upper
51 100
67 17.1 15.7 23.5

Manual Integrations
APPROVED

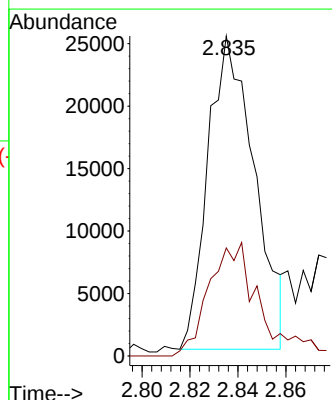
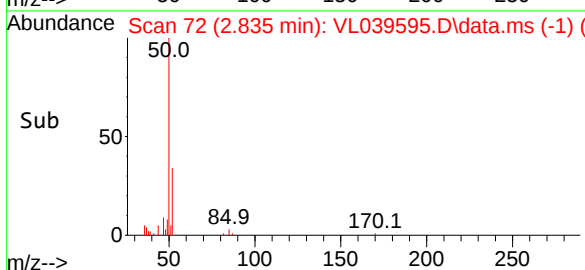
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Supervised By :Semsettin Yesilyurt 08/29/2022

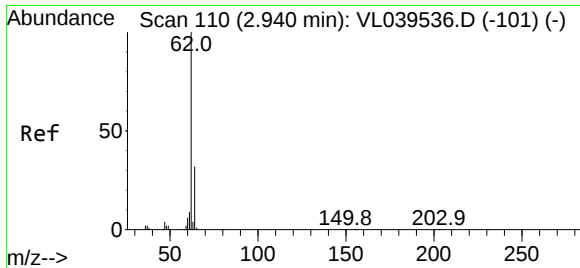


#4
Chloromethane
Concen: 0.485 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



Tgt Ion: 50 Resp: 33674
Ion Ratio Lower Upper
50 100
52 33.3 26.5 39.7





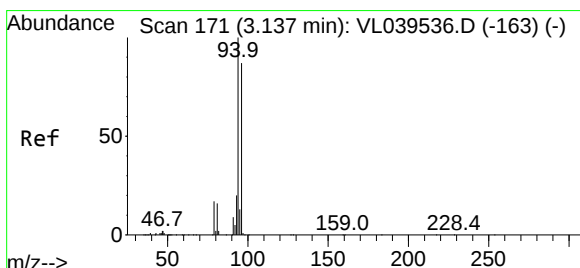
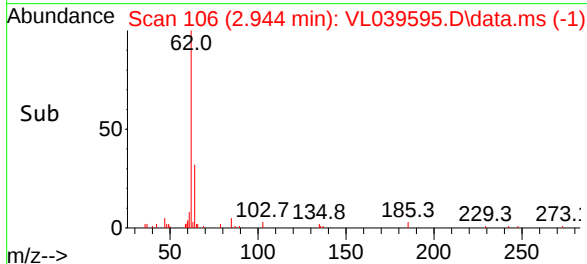
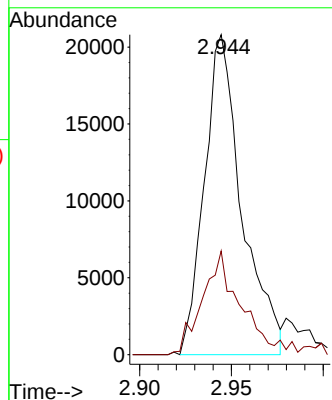
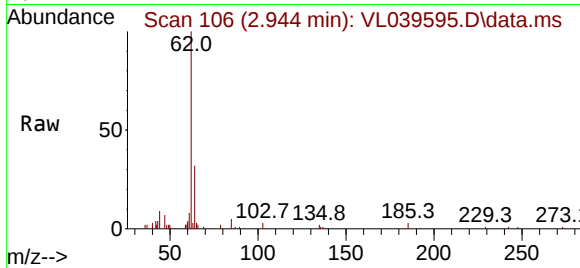
#5
 Vinyl Chloride
 Concen: 0.527 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. 0.004 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

Instrument :
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 ClientSampleId :
 MDL-AIR-03-QT3-2022

Tgt Ion: 62 Resp: 29534
 Ion Ratio Lower Upper
 62 100
 64 31.4 24.6 36.8

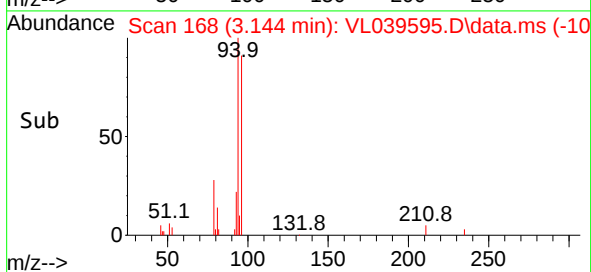
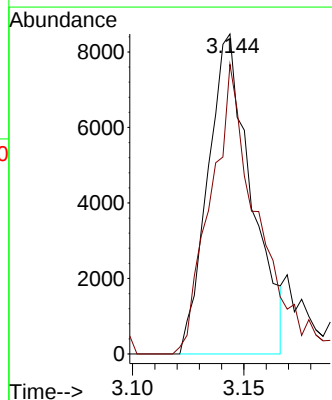
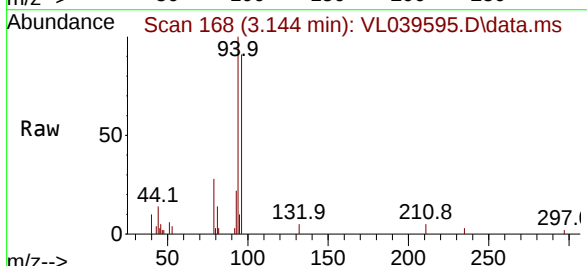
Manual Integrations
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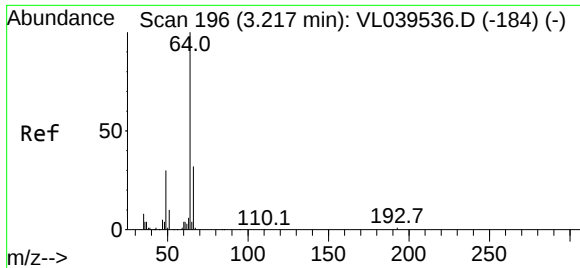
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#6
 Bromomethane
 Concen: 0.483 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.007 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

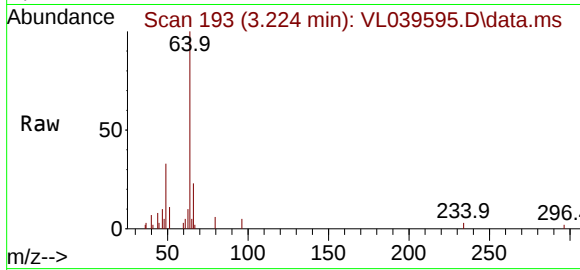
Tgt Ion: 94 Resp: 11492
 Ion Ratio Lower Upper
 94 100
 96 80.2 75.6 113.4





#7
Chloroethane
Concen: 0.488 ppbv
RT: 3.224 min Scan# 196
Delta R.T. 0.007 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

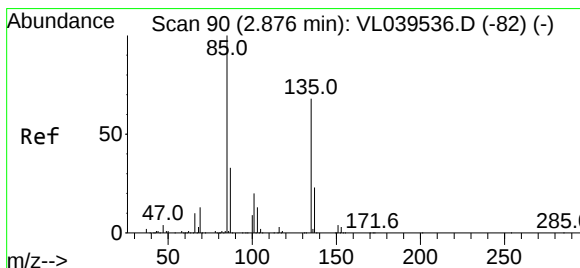
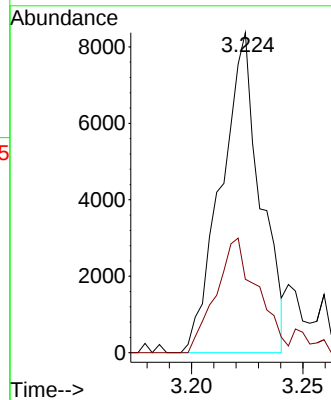
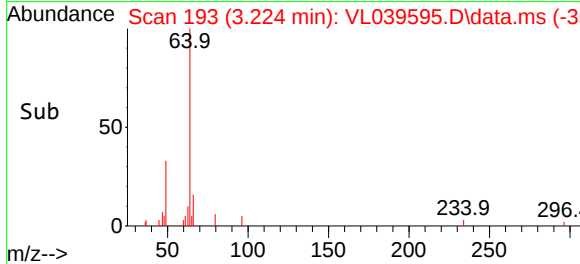
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ClientSampleId :
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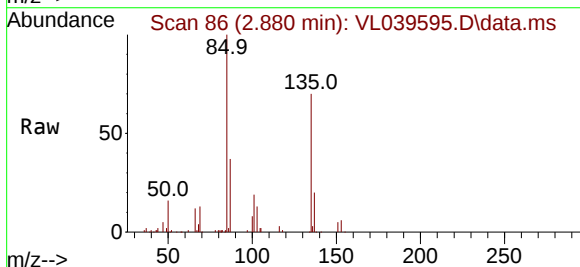
Tgt Ion: 64 Resp: 1026
Ion Ratio Lower Upper
64 100
66 22.9 24.7 37.1

Manual Integrations
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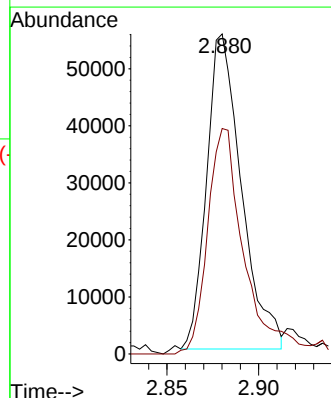
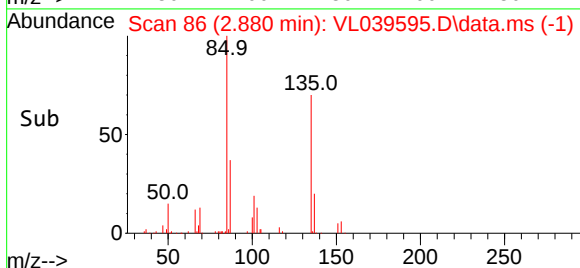
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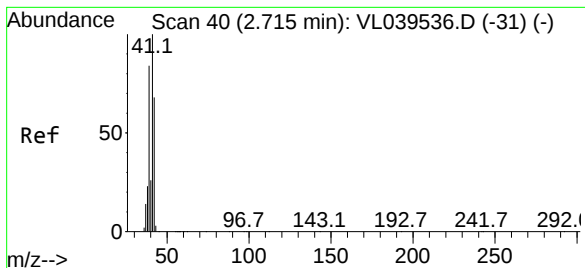


#8
Dichlorotetrafluoroethane
Concen: 0.531 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



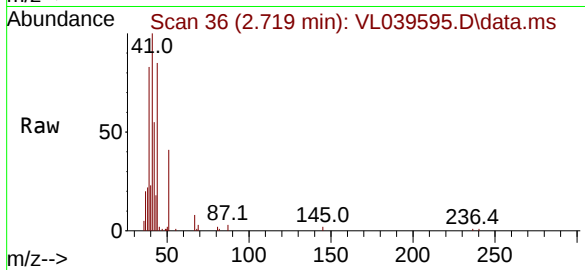
Tgt Ion: 85 Resp: 73184
Ion Ratio Lower Upper
85 100
135 77.4 59.0 88.4





#9
 Propene
 Concen: 0.556 ppbv
 RT: 2.719 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

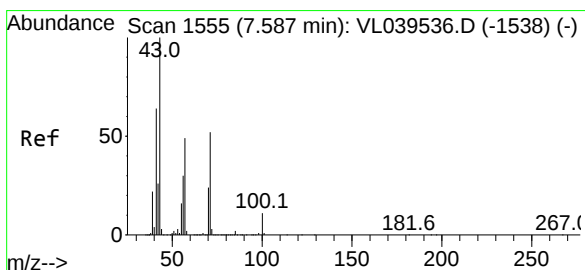
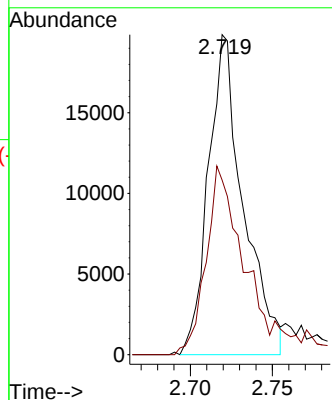
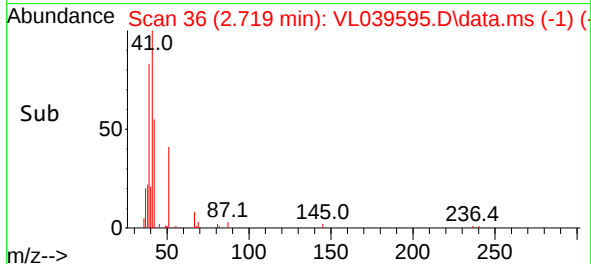
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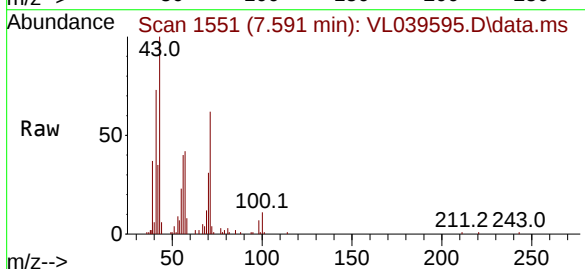
Tgt Ion: 41 Resp: 2933
 Ion Ratio Lower Upper
 41 100
 42 70.0 55.2 82.8

Manual Integrations
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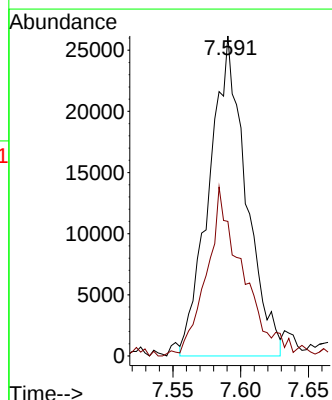
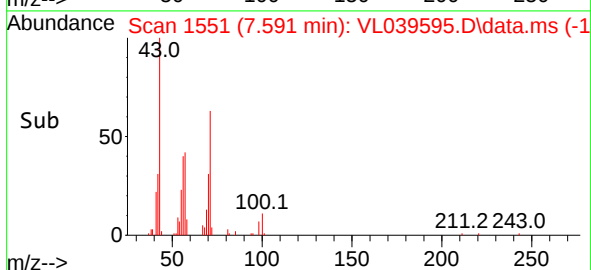
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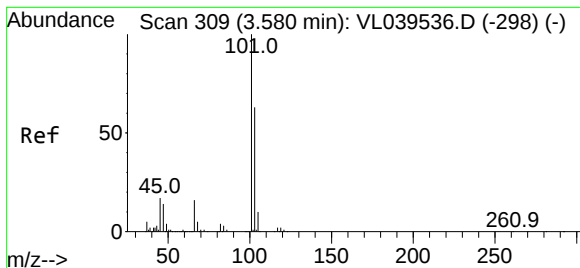


#10
 Heptane
 Concen: 0.406 ppbv
 RT: 7.591 min Scan# 1551
 Delta R.T. 0.004 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03



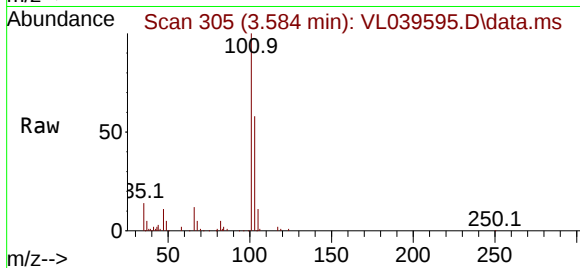
Tgt Ion: 43 Resp: 49632
 Ion Ratio Lower Upper
 43 100
 57 53.3 40.5 60.7





#11
 Trichlorofluoromethane
 Concen: 0.551 ppbv
 RT: 3.584 min Scan# 309
 Delta R.T. 0.004 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

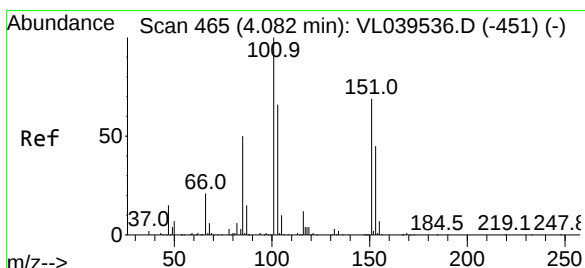
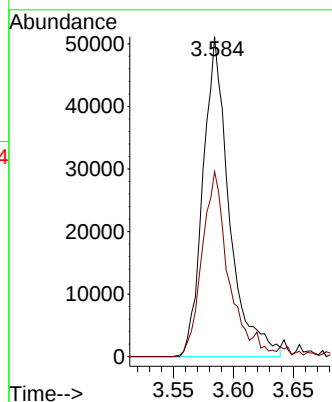
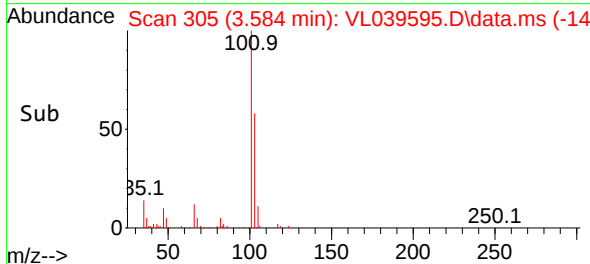
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



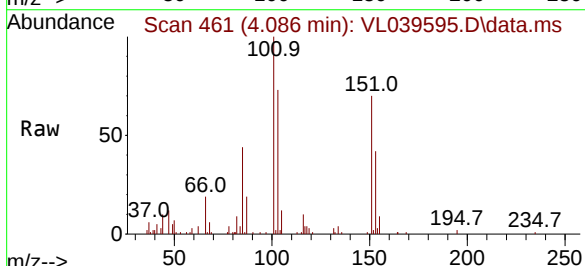
Tgt Ion:101 Resp: 77910
 Ion Ratio Lower Upper
 101 100
 103 57.3 51.8 77.8

Manual Integrations
 APPROVED

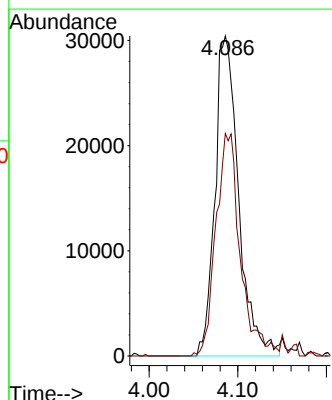
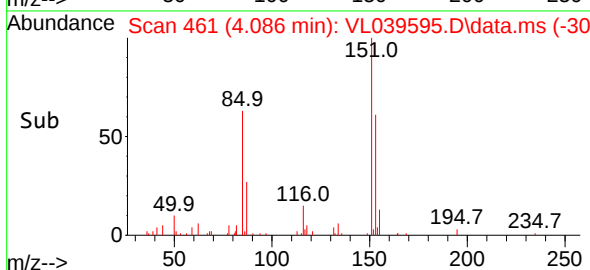
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

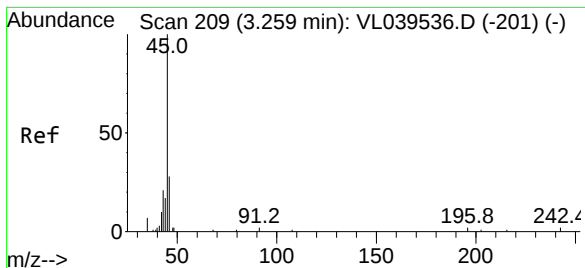


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.539 ppbv m
 RT: 4.086 min Scan# 461
 Delta R.T. 0.004 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03



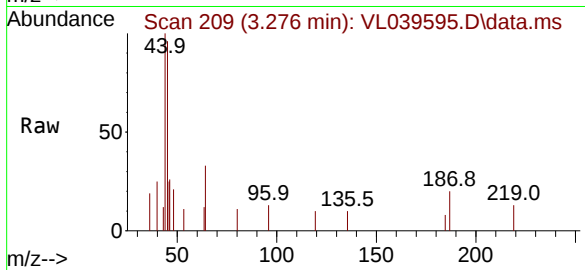
Tgt Ion:101 Resp: 56344
 Ion Ratio Lower Upper
 101 100
 151 71.3 58.9 88.3





#13
Ethanol
Concen: 0.702 ppbv m
RT: 3.276 min Scan# 209
Delta R.T. 0.017 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

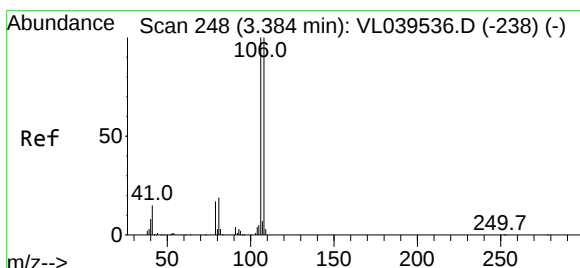
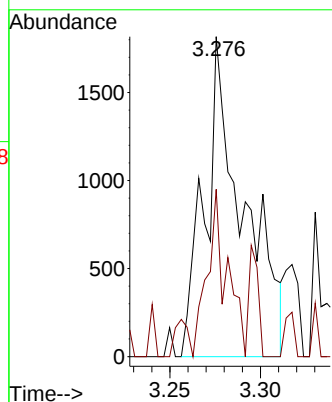
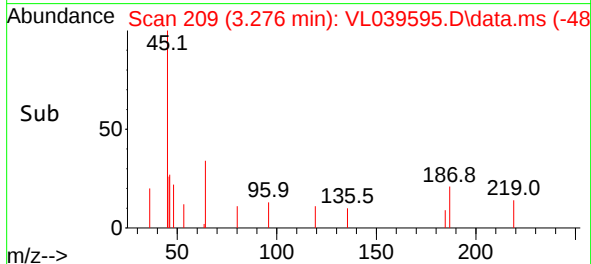
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



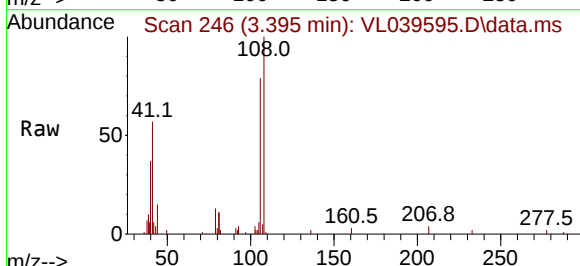
Tgt Ion: 45 Resp: 2664
Ion Ratio Lower Upper
45 100
46 3.5 22.8 91.23

Manual Integrations
APPROVED

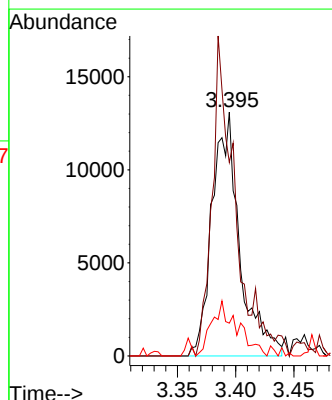
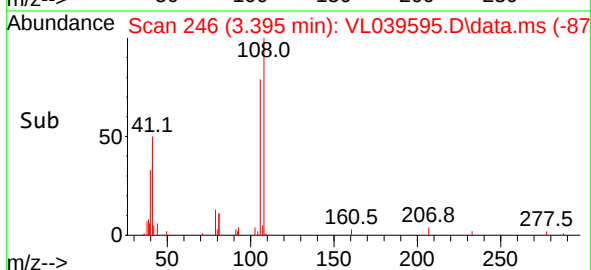
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

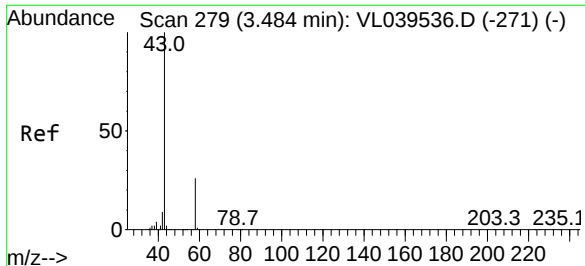


#14
Bromoethene
Concen: 0.503 ppbv m
RT: 3.395 min Scan# 246
Delta R.T. 0.010 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



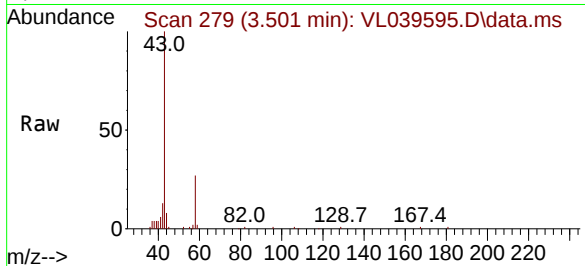
Tgt Ion:108 Resp: 21500
Ion Ratio Lower Upper
108 100
106 114.8 87.1 130.7
79 23.9 14.6 22.0#





#15
Acetone
Concen: 0.571 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.017 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

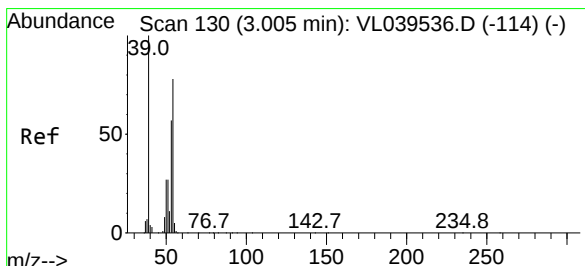
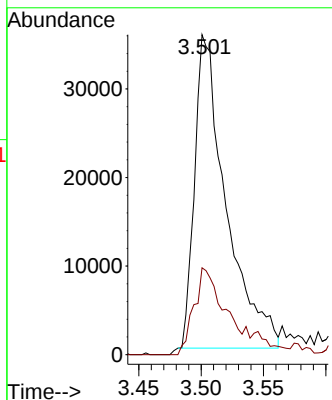
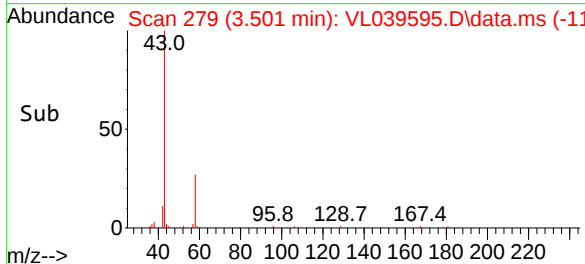
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 43 Resp: 61890
Ion Ratio Lower Upper
43 100
58 33.5 21.0 31.6

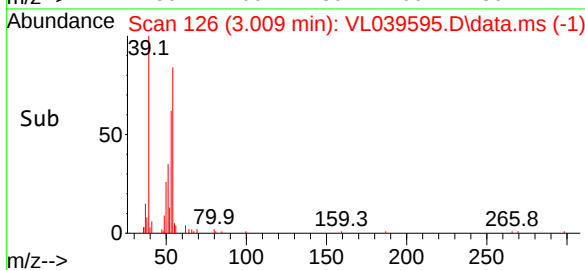
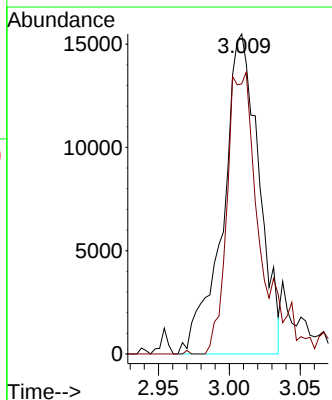
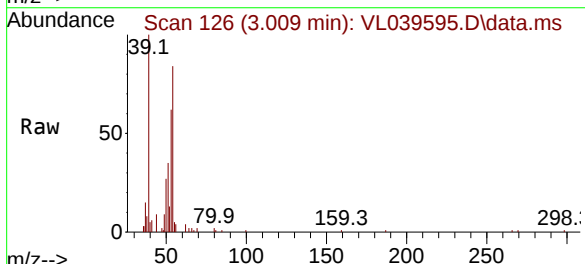
Manual Integrations
APPROVED

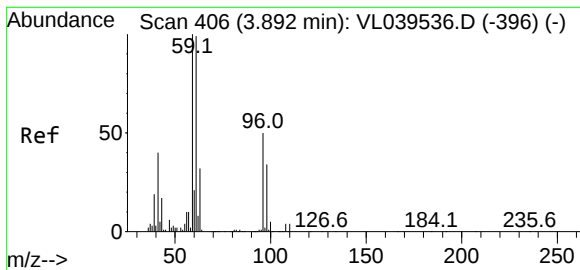
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#16
1,3-Butadiene
Concen: 0.484 ppbv
RT: 3.009 min Scan# 126
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

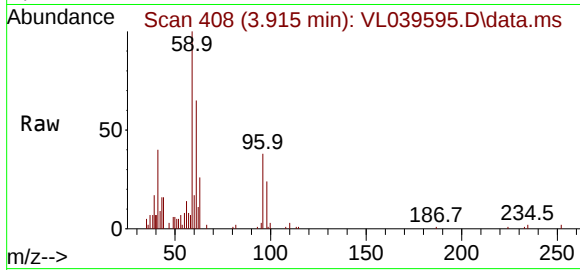
Tgt Ion: 39 Resp: 27384
Ion Ratio Lower Upper
39 100
54 84.4 63.7 95.5





#17
tert-Butyl alcohol
Concen: 0.294 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.023 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

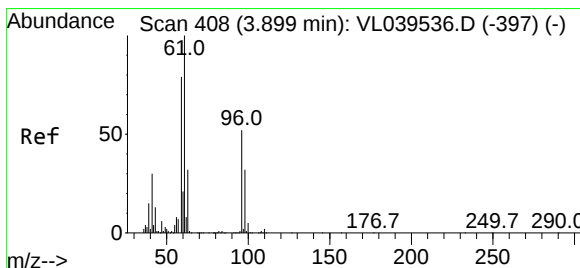
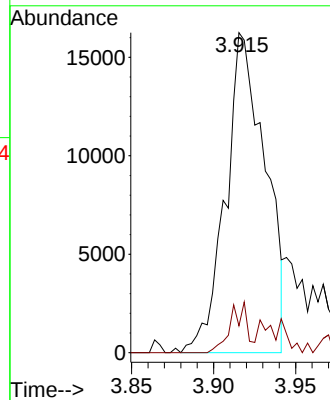
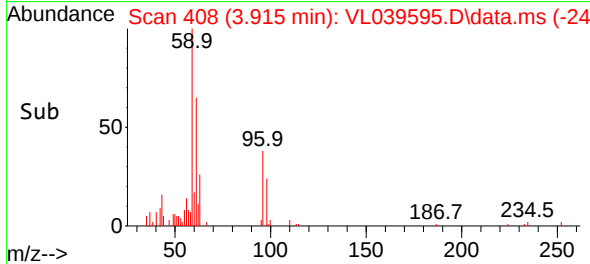
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



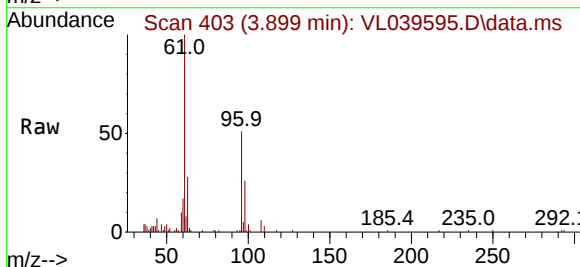
Tgt Ion: 59 Resp: 27198
Ion Ratio Lower Upper
59 100
57 12.9 8.7 13.1

Manual Integrations
APPROVED

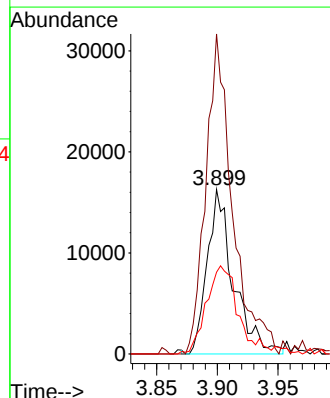
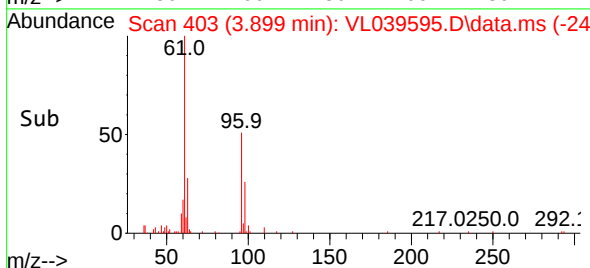
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

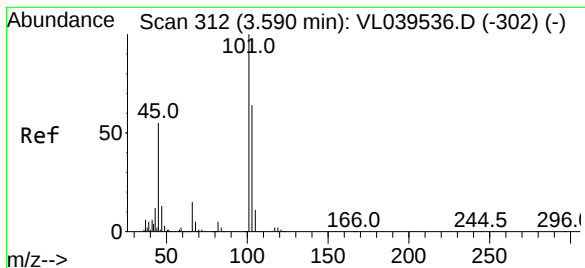


#18
1,1-Dichloroethene
Concen: 0.518 ppbv m
RT: 3.899 min Scan# 403
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



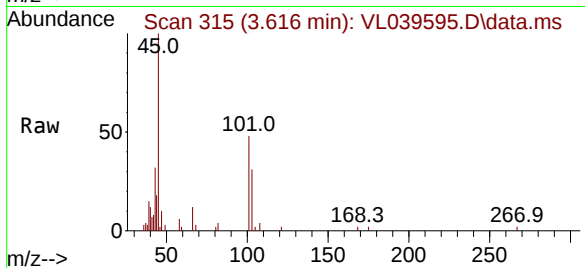
Tgt Ion: 96 Resp: 24428
Ion Ratio Lower Upper
96 100
61 194.6 152.2 228.4
98 49.8 51.8 77.6#





#19
Isopropyl Alcohol
Concen: 0.422 ppbv m
RT: 3.616 min Scan# 312
Delta R.T. 0.026 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

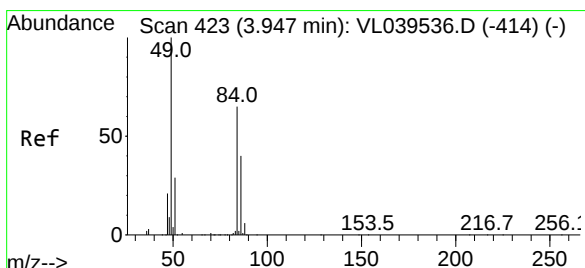
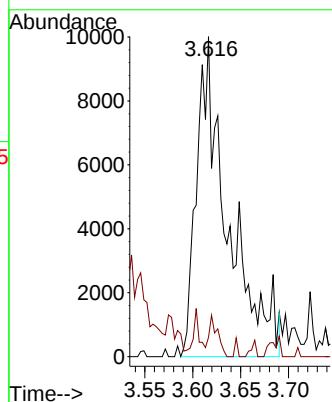
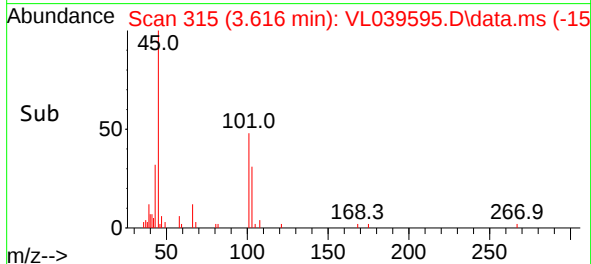
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



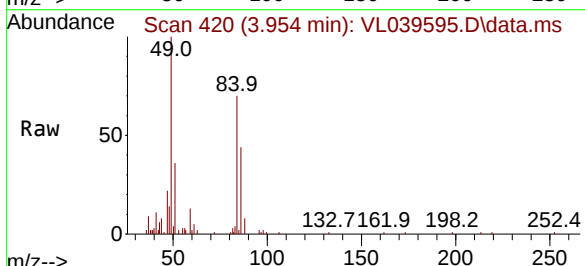
Tgt Ion: 45 Resp: 22289
Ion Ratio Lower Upper
45 100
58 7.3 3.2 4.8

Manual Integrations
APPROVED

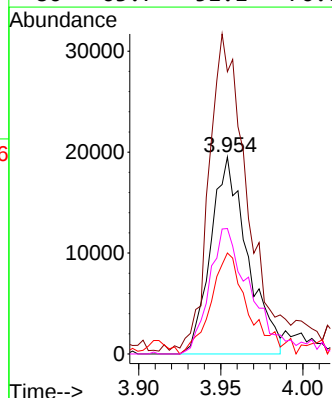
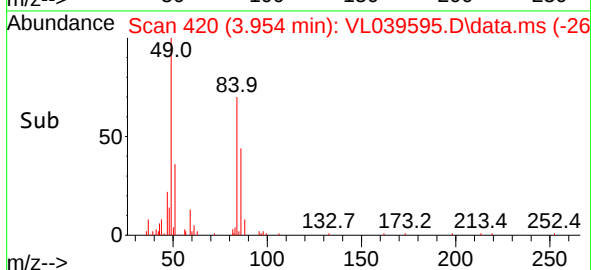
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

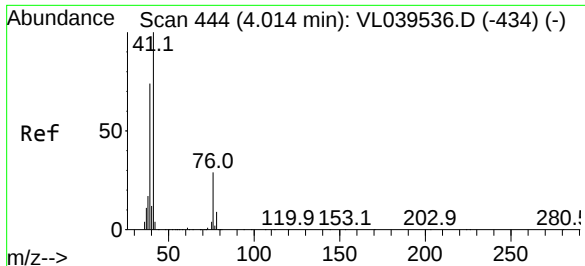


#20
Methylene Chloride
Concen: 0.690 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.007 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



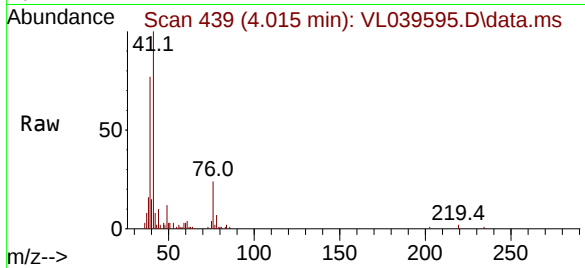
Tgt Ion: 84 Resp: 30428
Ion Ratio Lower Upper
84 100
49 140.3 123.1 184.7
51 51.3 34.4 51.6
86 63.7 51.1 76.7





#21
 Allyl Chloride
 Concen: 0.536 ppbv m
 RT: 4.015 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

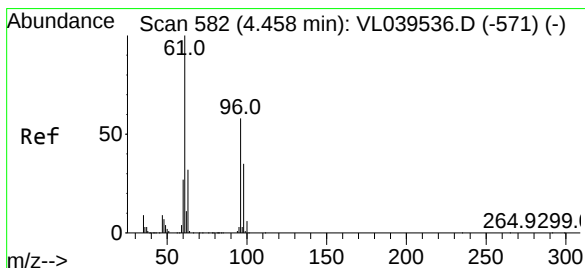
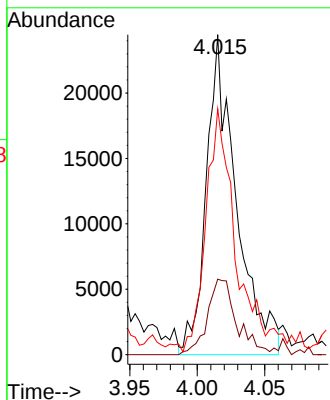
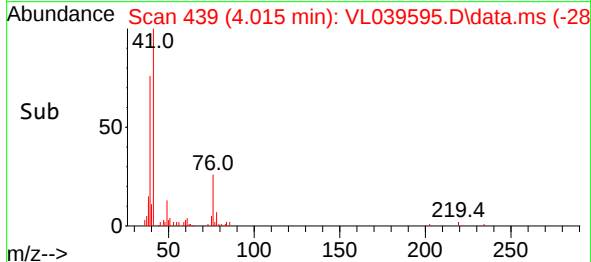
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



Tgt Ion: 41 Resp: 3779
 Ion Ratio Lower Upper
 41 100
 76 23.1 24.4 36.6
 39 76.8 63.5 95.3

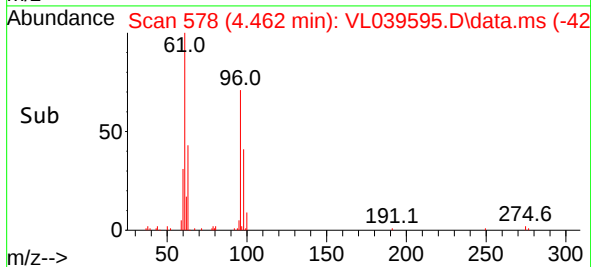
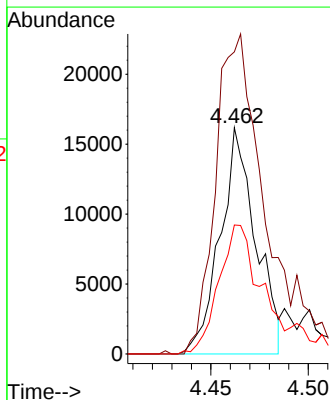
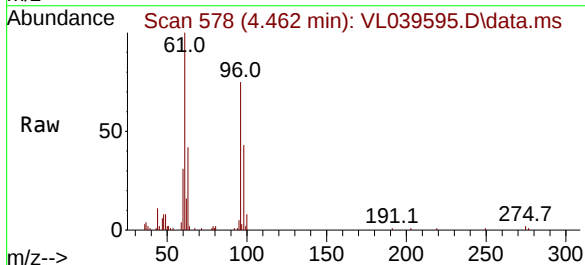
Manual Integrations
 APPROVED

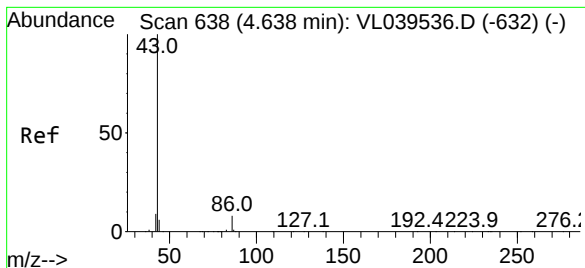
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#22
 trans-1,2-Dichloroethene
 Concen: 0.439 ppbv
 RT: 4.462 min Scan# 578
 Delta R.T. 0.004 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

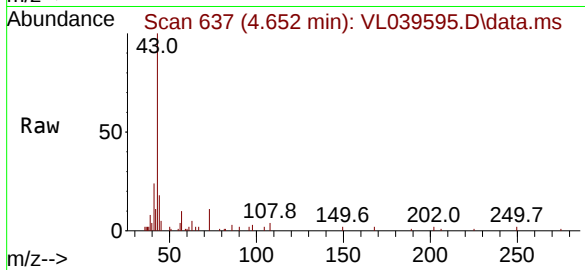
Tgt Ion: 96 Resp: 20593
 Ion Ratio Lower Upper
 96 100
 61 128.8 130.6 195.8
 98 55.0 53.4 80.0





#23
 Vinyl Acetate
 Concen: 0.701 ppbv m
 RT: 4.652 min Scan# 616
 Delta R.T. 0.014 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

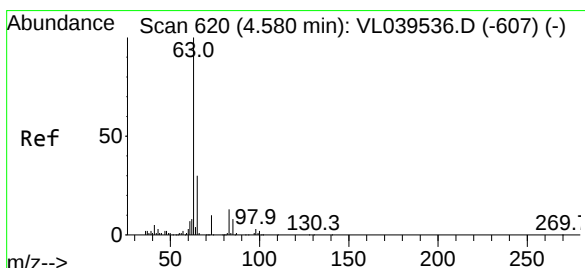
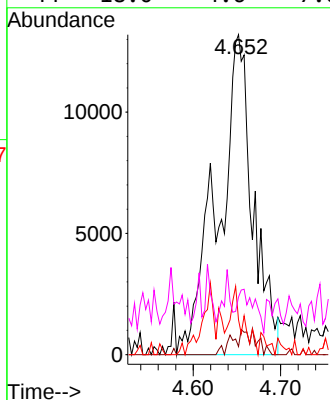
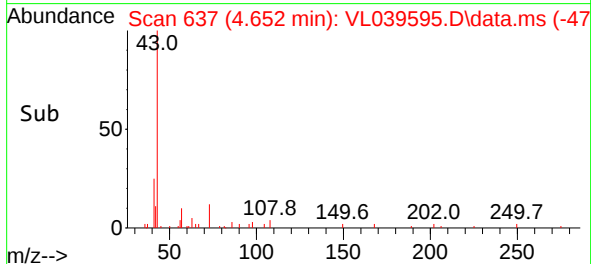
Instrument : MSVOA_L
 ClientSampleId : MDL-AIR-03-QT3-2022



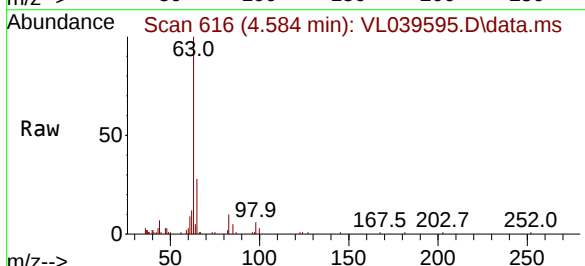
Tgt Ion: 43 Resp: 3616
 Ion Ratio Lower Upper
 43 100
 86 2.5 5.0 7.6
 42 10.9 7.7 11.5
 44 18.0 4.6 7.0#

Manual Integrations
 APPROVED

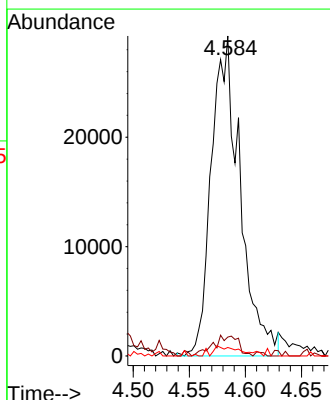
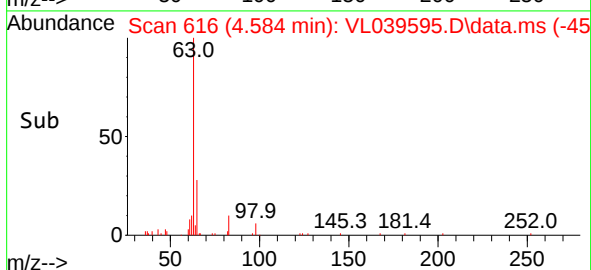
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

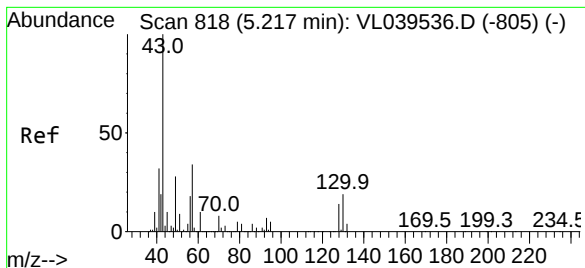


#24
 1,1-Dichloroethane
 Concen: 0.544 ppbv m
 RT: 4.584 min Scan# 616
 Delta R.T. 0.004 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03



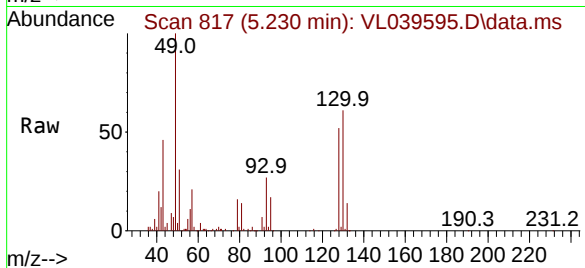
Tgt Ion: 63 Resp: 51908
 Ion Ratio Lower Upper
 63 100
 98 5.9 1.8 5.3#
 100 2.6 1.5 4.4





#25
Ethyl Acetate
Concen: 0.430 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.014 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

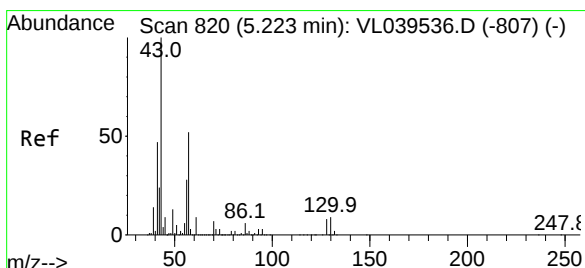
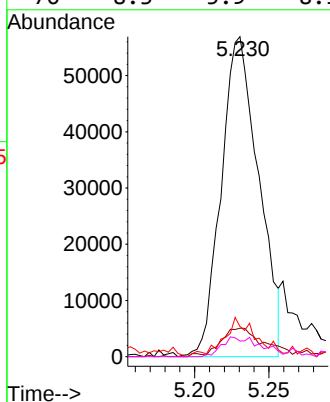
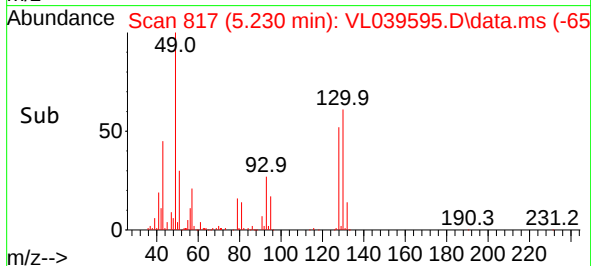


Tgt Ion: 43 Resp: 9987

Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.2	12.4
61	13.9	8.3	12.5
70	8.3	5.9	8.9

Manual Integrations
APPROVED

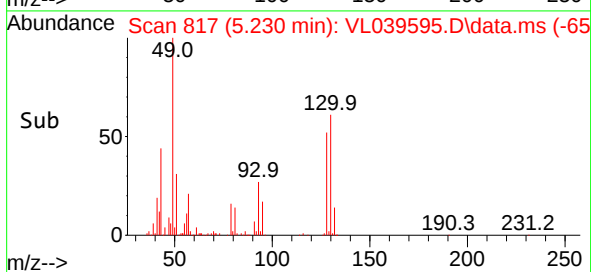
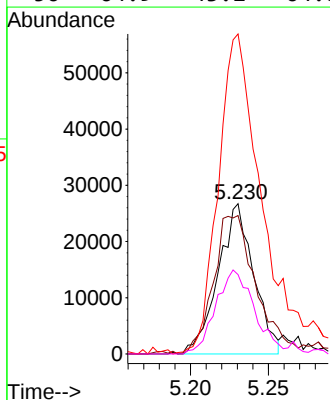
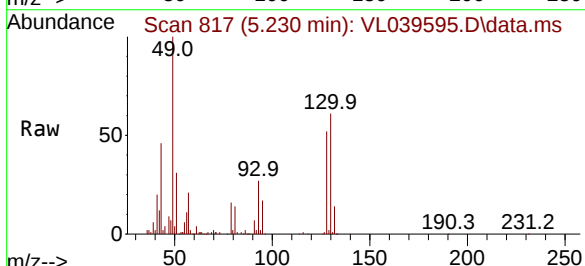
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

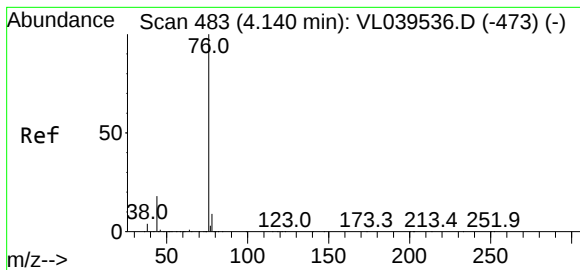


#26
Hexane
Concen: 0.447 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.007 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Tgt Ion: 57 Resp: 42337

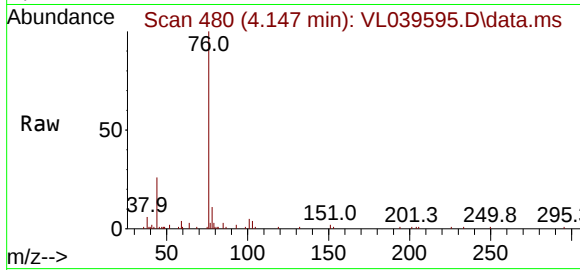
Ion	Ratio	Lower	Upper
57	100		
41	117.2	76.9	115.3#
43	289.5	191.0	286.6#
56	64.9	43.2	64.8#





#27
Carbon Disulfide
Concen: 0.332 ppbv
RT: 4.147 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

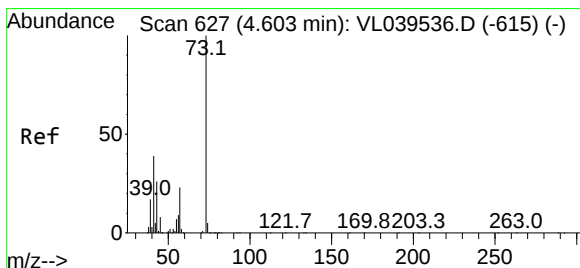
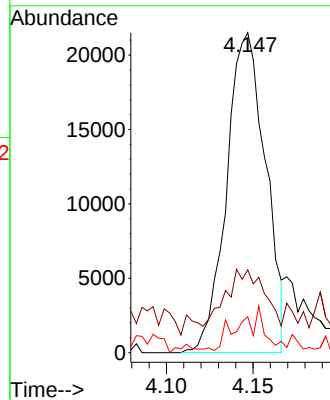
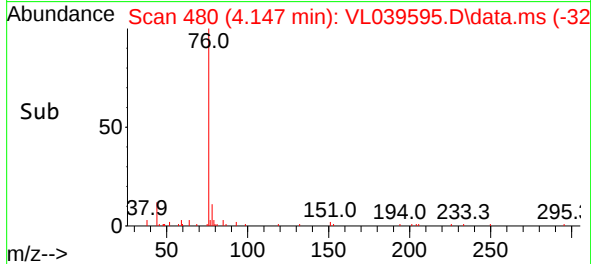
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 76 Resp: 3364
Ion Ratio Lower Upper
76 100
44 32.5 14.6 21.8
78 13.1 7.8 11.6

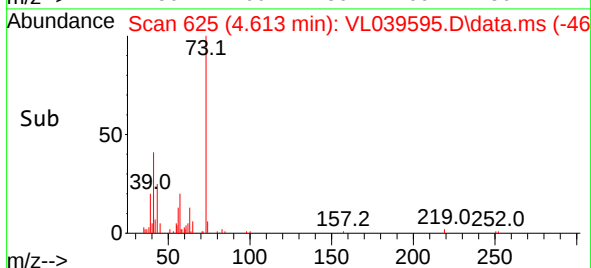
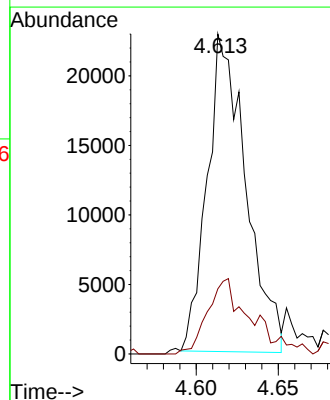
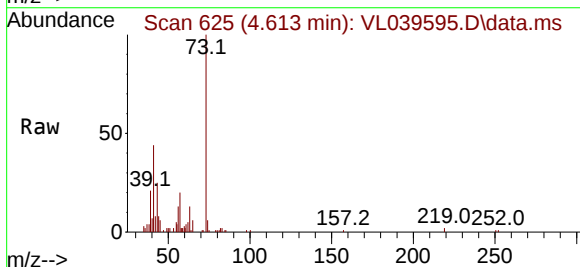
Manual Integrations
APPROVED

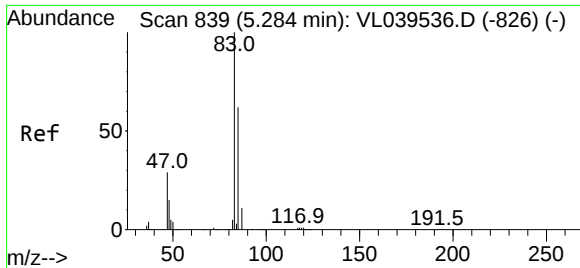
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#28
Methyl tert-Butyl Ether
Concen: 0.458 ppbv
RT: 4.613 min Scan# 625
Delta R.T. 0.010 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Tgt Ion: 73 Resp: 37437
Ion Ratio Lower Upper
73 100
57 26.5 19.8 29.8





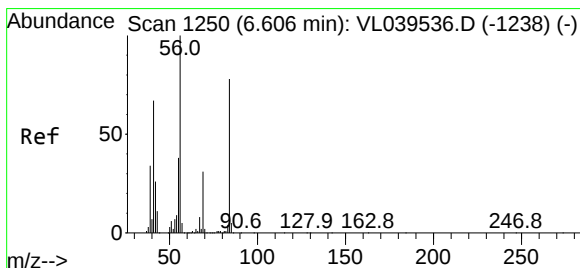
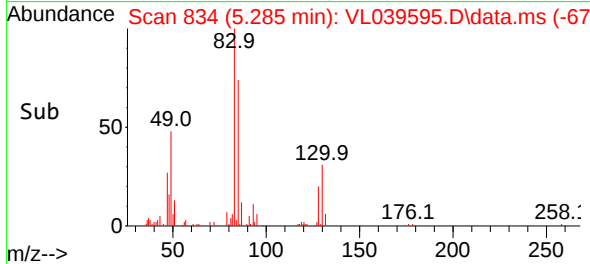
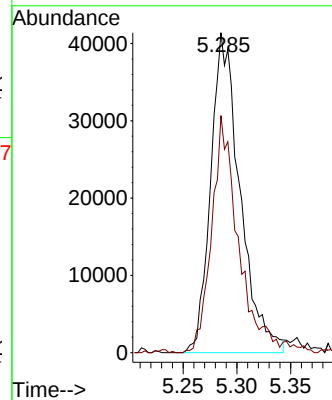
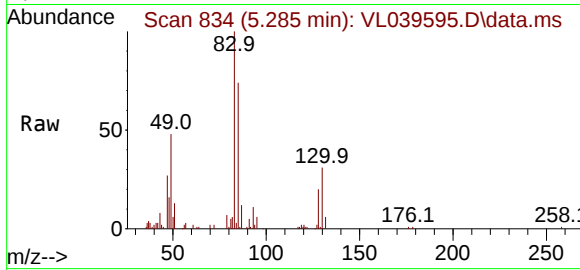
#29
Chloroform
Concen: 0.528 ppbv
RT: 5.285 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion: 83 Resp: 7821
Ion Ratio Lower Upper
83 100
85 74.1 52.8 79.2

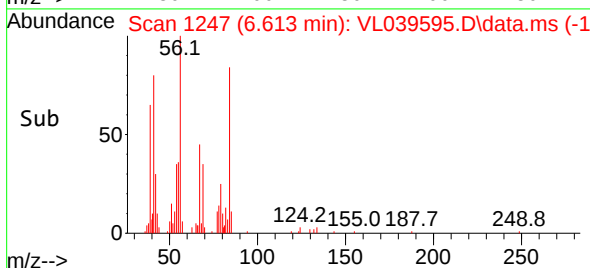
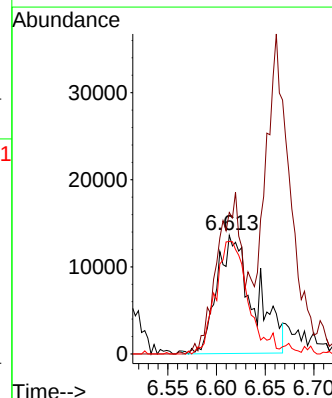
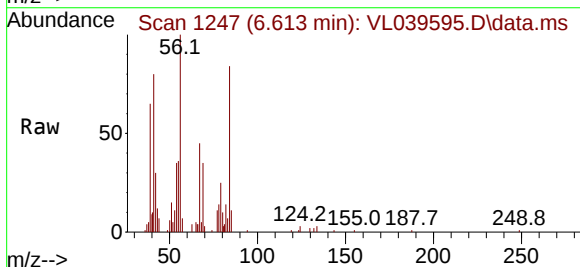
Manual Integrations
APPROVED

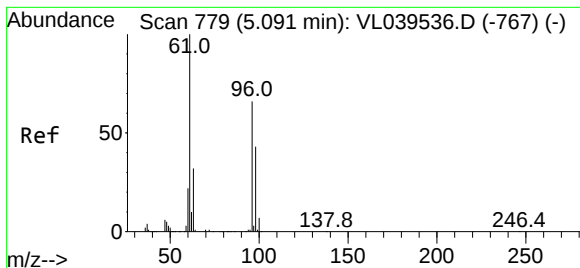
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#30
Cyclohexane
Concen: 0.455 ppbv m
RT: 6.613 min Scan# 1247
Delta R.T. 0.007 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

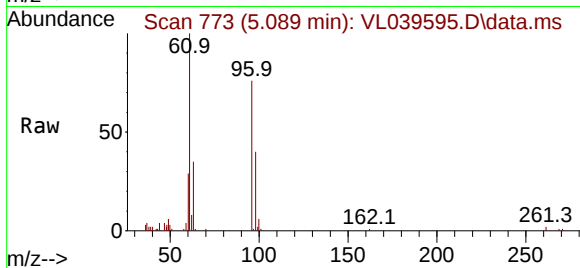
Tgt Ion: 84 Resp: 35710
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 67.7 101.5#





#31
cis-1,2-Dichloroethene
Concen: 0.428 ppbv m
RT: 5.089 min Scan# 71
Delta R.T. -0.002 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

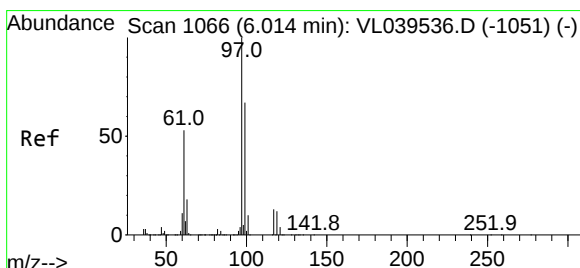
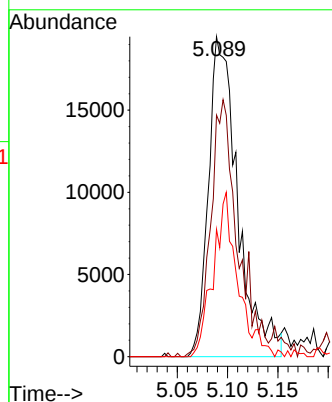
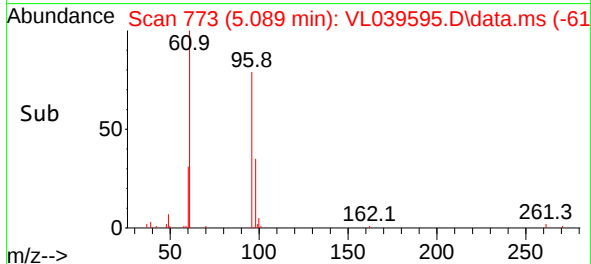
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



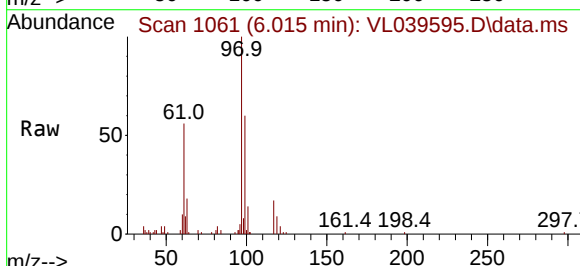
Tgt Ion: 61 Resp: 3929
Ion Ratio Lower Upper
61 100
96 75.5 54.1 81.1
98 39.8 34.6 52.0

Manual Integrations
APPROVED

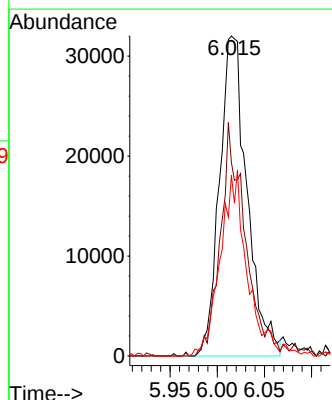
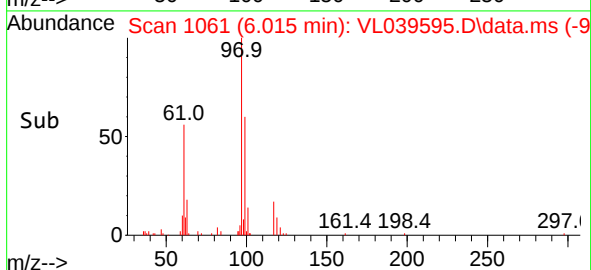
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

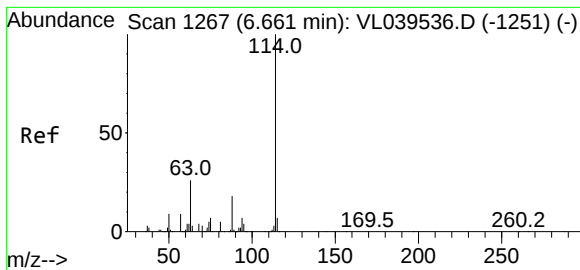


#32
1,1,1-Trichloroethane
Concen: 0.501 ppbv m
RT: 6.015 min Scan# 1061
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



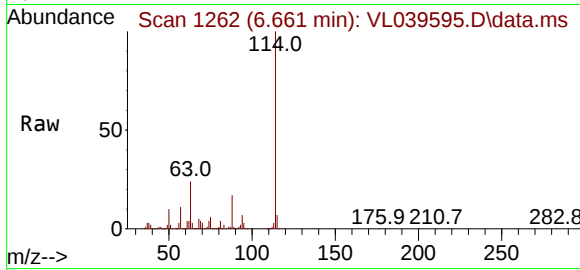
Tgt Ion: 97 Resp: 65339
Ion Ratio Lower Upper
97 100
99 67.7 52.3 78.5
61 57.6 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1114
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

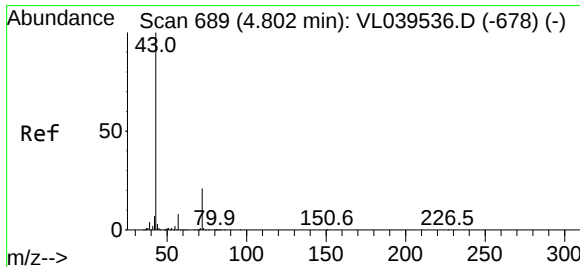
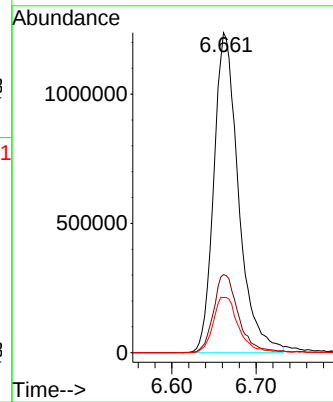
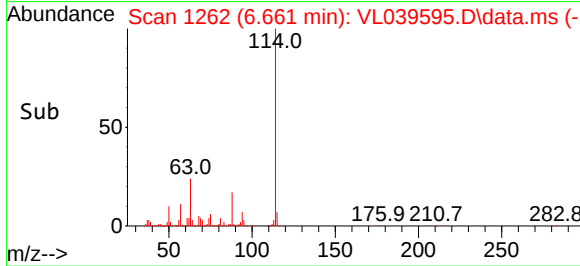
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion:114 Resp: 2523438
Ion Ratio Lower Upper
114 100
63 24.8 20.2 30.4
88 18.0 14.5 21.7

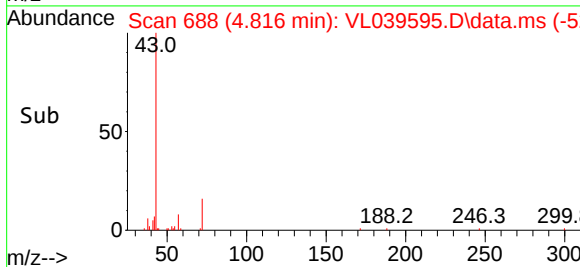
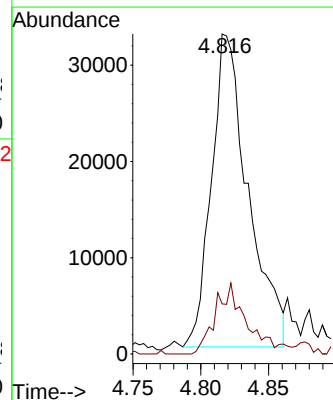
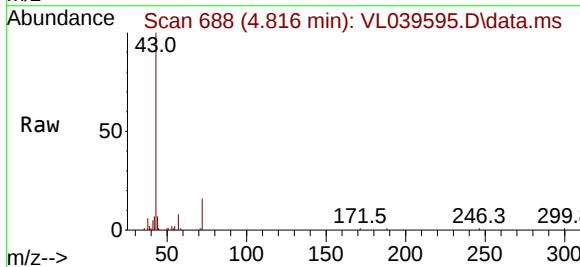
Manual Integrations
APPROVED

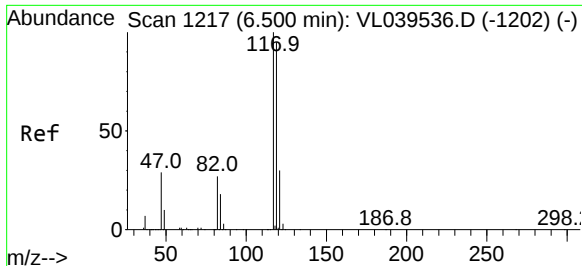
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#34
2-Butanone
Concen: 0.488 ppbv
RT: 4.816 min Scan# 688
Delta R.T. 0.014 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

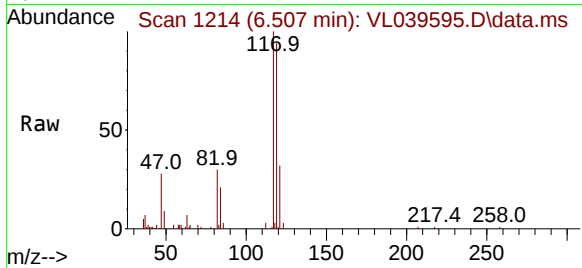
Tgt Ion: 43 Resp: 61253
Ion Ratio Lower Upper
43 100
72 21.6 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.465 ppbv
RT: 6.507 min Scan# 1175
Delta R.T. 0.007 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

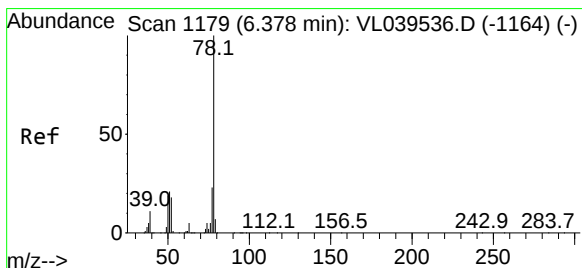
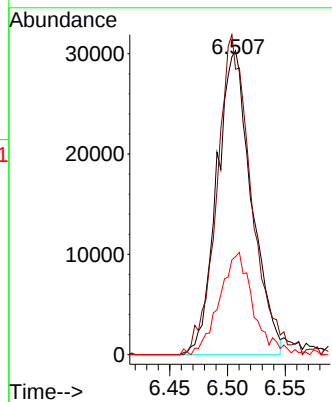
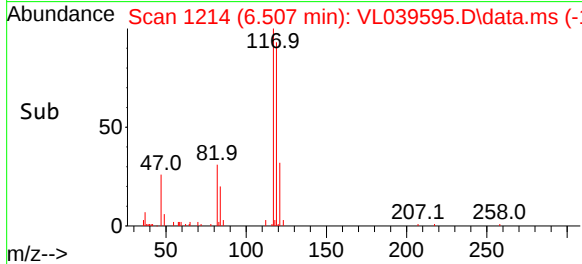
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 117 Resp: 63379
Ion Ratio Lower Upper
117 100
119 93.9 75.4 113.2
121 32.3 24.2 36.2

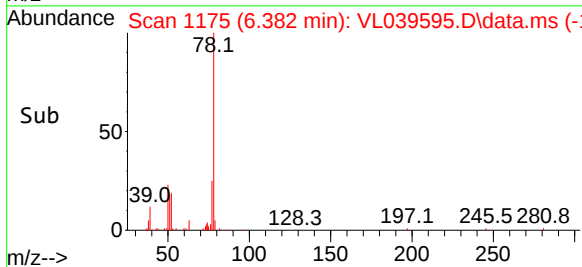
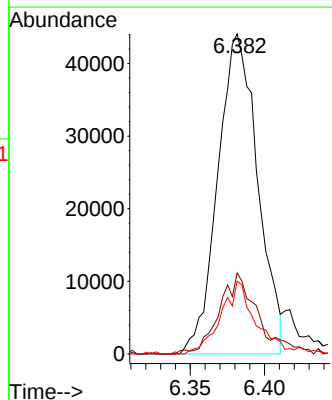
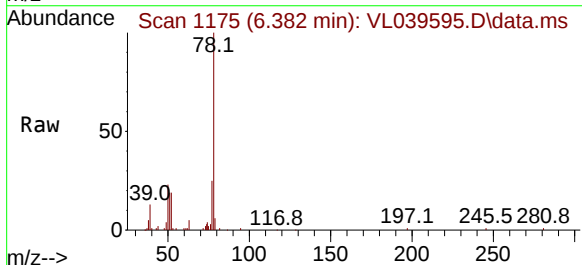
Manual Integrations
APPROVED

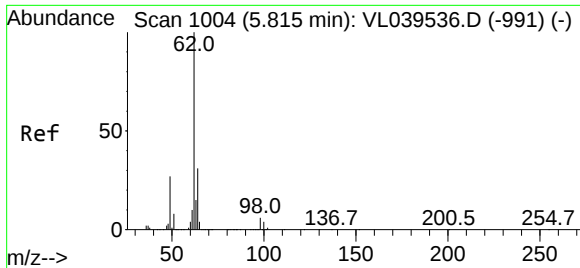
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#36
Benzene
Concen: 0.427 ppbv
RT: 6.382 min Scan# 1175
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

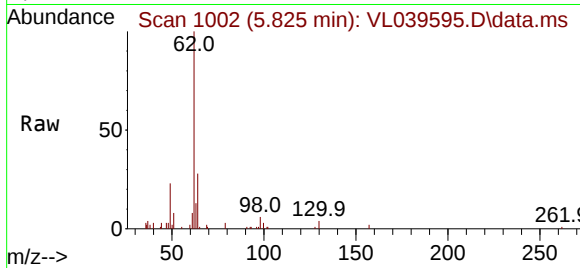
Tgt Ion: 78 Resp: 82202
Ion Ratio Lower Upper
78 100
77 24.4 20.3 30.5
50 22.7 15.5 23.3





#37
1,2-Dichloroethane
Concen: 0.497 ppbv m
RT: 5.825 min Scan# 1004
Delta R.T. 0.010 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

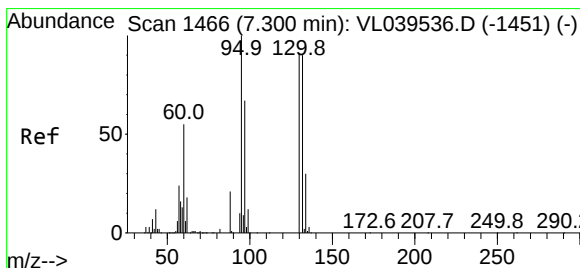
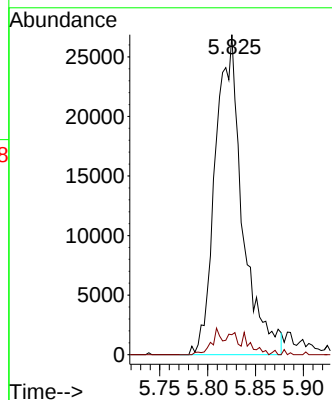
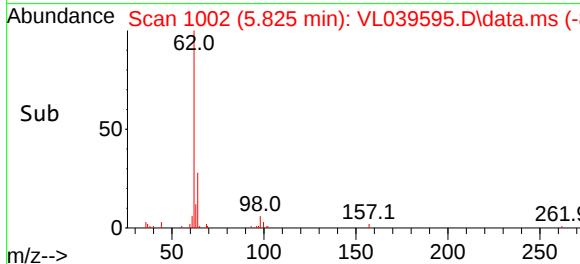
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 62 Resp: 5269
Ion Ratio Lower Upper
62 100
98 8.2 5.1 7.7

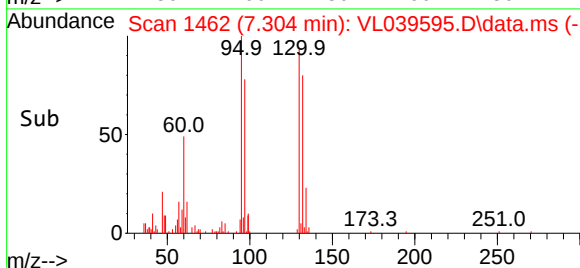
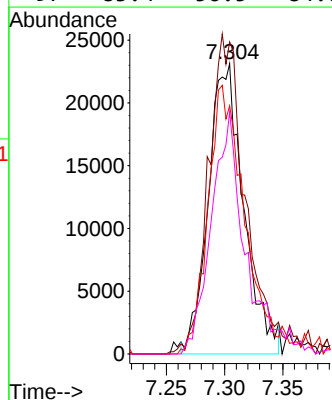
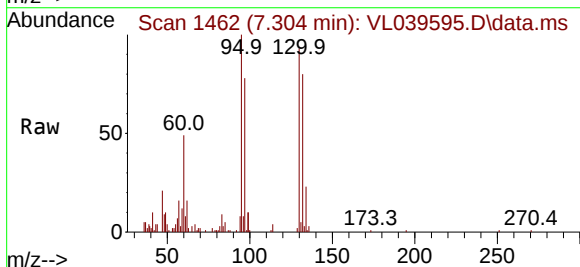
Manual Integrations
APPROVED

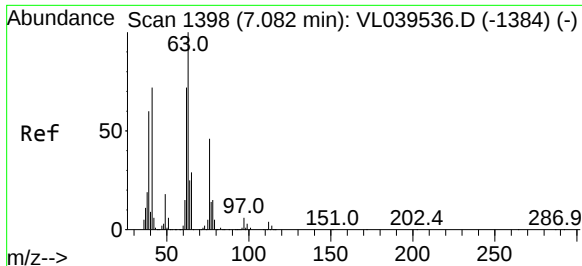
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#38
Trichloroethene
Concen: 0.470 ppbv m
RT: 7.304 min Scan# 1462
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

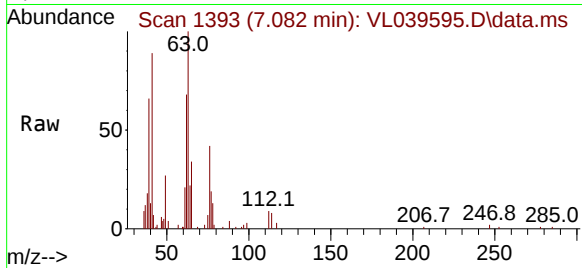
Tgt Ion:130 Resp: 48465
Ion Ratio Lower Upper
130 100
95 107.5 87.3 130.9
132 85.5 76.7 115.1
97 83.4 56.5 84.7





#39
1,2-Dichloropropane
Concen: 0.454 ppbv
RT: 7.082 min Scan# 1398
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

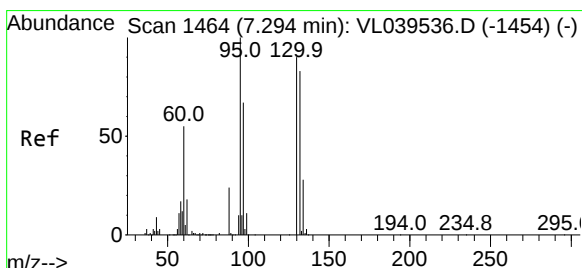
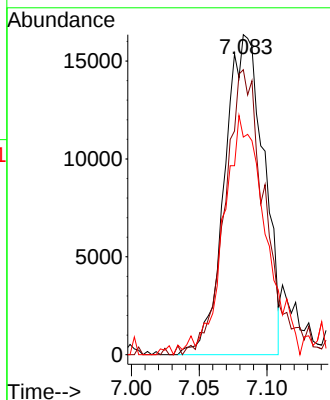
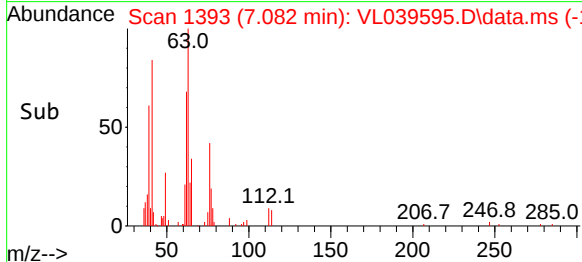
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 63 Resp: 32800
Ion Ratio Lower Upper
63 100
41 92.8 59.6 89.4#
62 65.0 51.4 77.0#

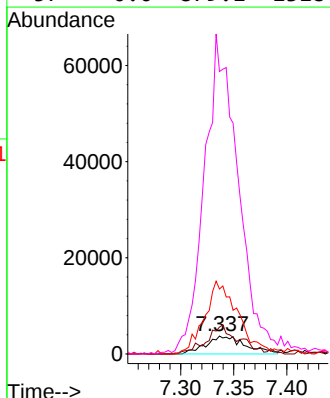
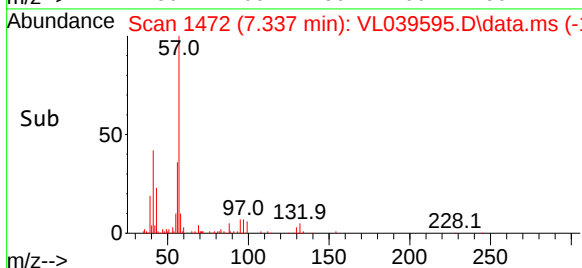
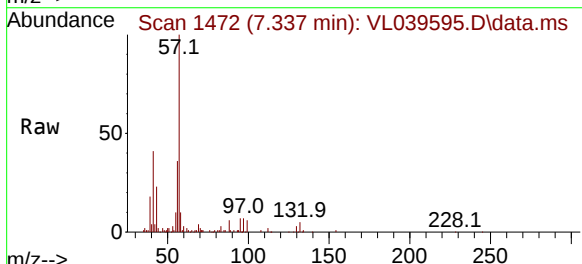
Manual Integrations
APPROVED

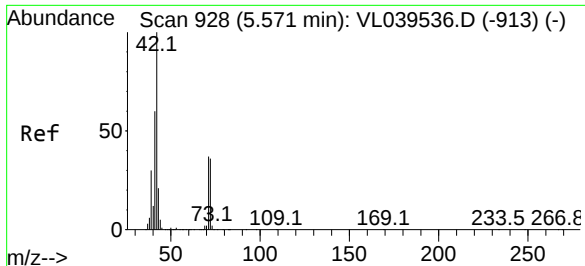
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#40
1,4-Dioxane
Concen: 0.336 ppbv m
RT: 7.337 min Scan# 1472
Delta R.T. 0.043 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

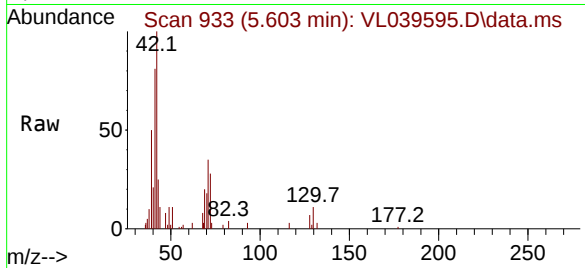
Tgt Ion: 88 Resp: 9511
Ion Ratio Lower Upper
88 100
58 0.0 100.2 150.4#
43 0.0 205.8 308.6#
57 0.0 879.1 1318.7#





#41
Tetrahydrofuran
Concen: 0.397 ppbv m
RT: 5.603 min Scan# 91
Delta R.T. 0.033 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

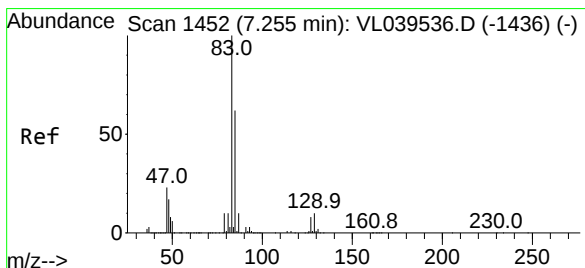
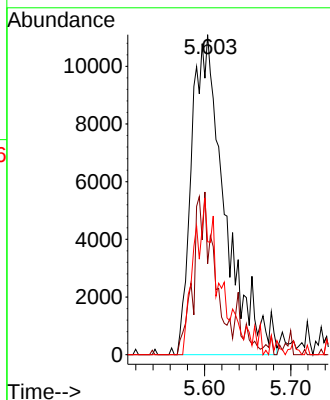
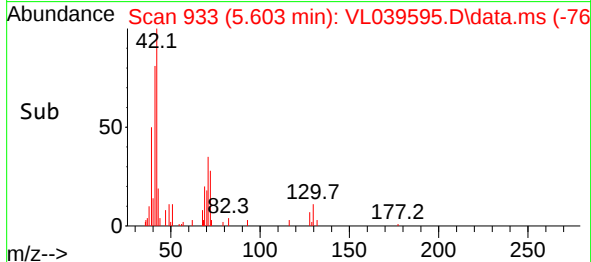
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 42 Resp: 29769
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8
71 0.0 31.8 47.8

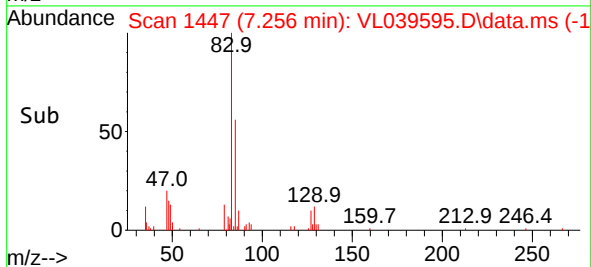
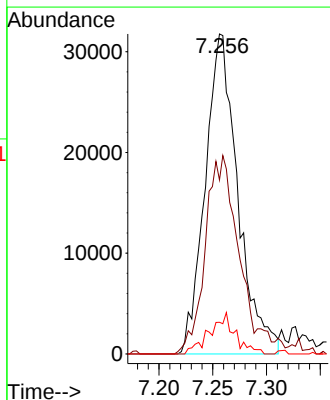
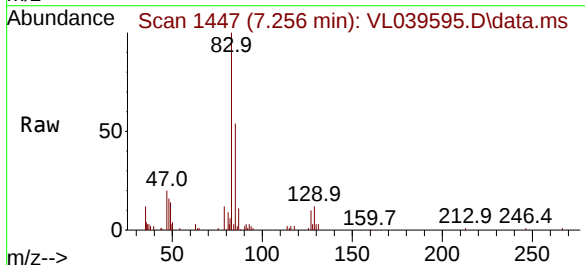
Manual Integrations
APPROVED

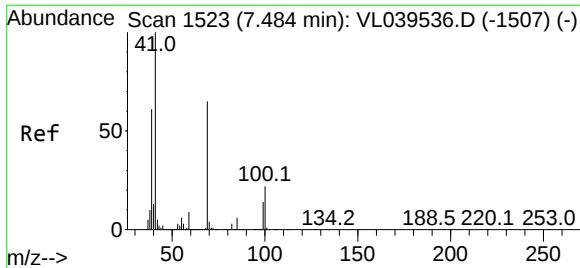
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#42
Bromodichloromethane
Concen: 0.463 ppbv
RT: 7.256 min Scan# 1447
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Tgt Ion: 83 Resp: 67182
Ion Ratio Lower Upper
83 100
85 53.6 50.7 76.1
127 9.9 6.6 9.8





#43

Methyl Methacrylate

Concen: 0.382 ppbv m

RT: 7.497 min Scan# 1

Delta R.T. 0.014 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

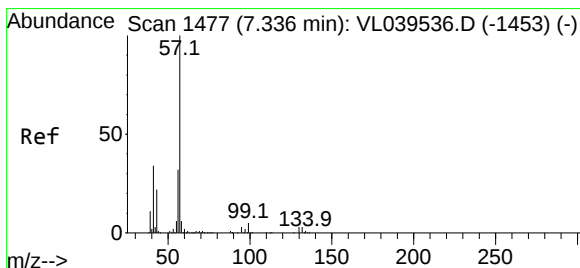
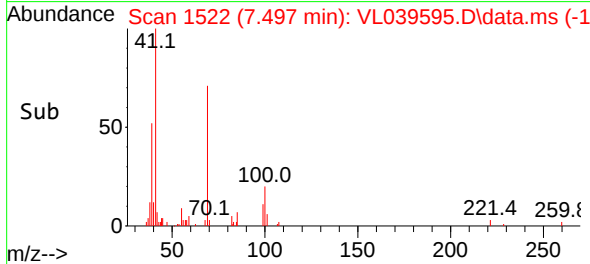
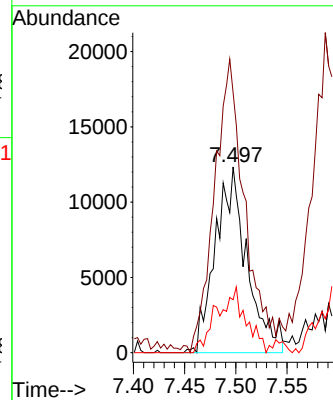
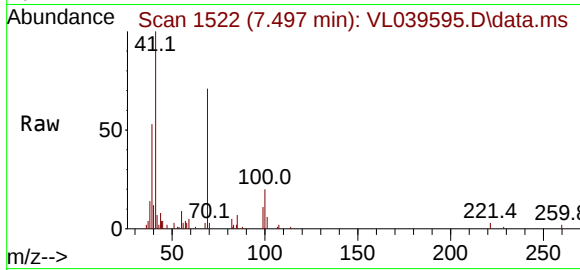
Tgt Ion:	69	Resp:	26504
Ion Ratio	Lower	Upper	
69	100		
41	0.0	120.8	181.2
100	0.0	27.8	41.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#44

2,2,4-Trimethylpentane

Concen: 0.455 ppbv m

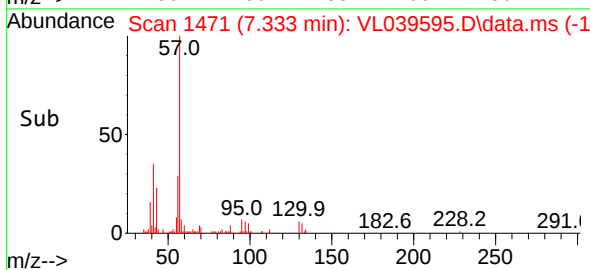
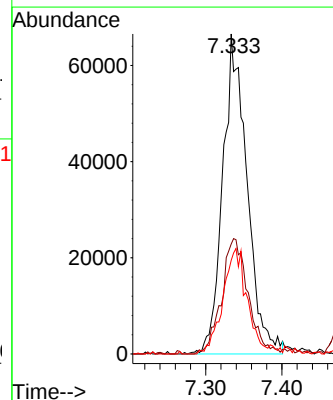
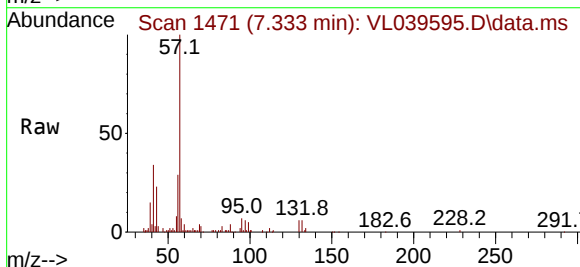
RT: 7.333 min Scan# 1471

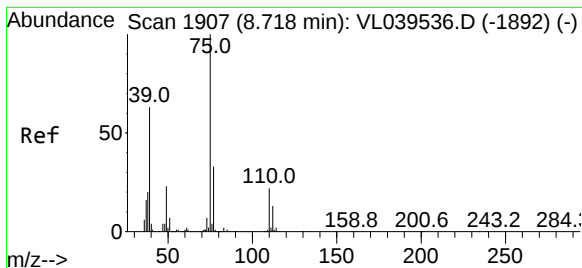
Delta R.T. -0.002 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Tgt Ion:	57	Resp:	147496
Ion Ratio	Lower	Upper	
57	100		
41	40.1	27.4	41.2
56	34.5	24.5	36.7





#45

t-1,3-Dichloropropene

Concen: 0.304 ppbv m

RT: 8.719 min Scan# 1907

Delta R.T. 0.001 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion: 75 Resp: 1837

Ion Ratio Lower Upper

75 100

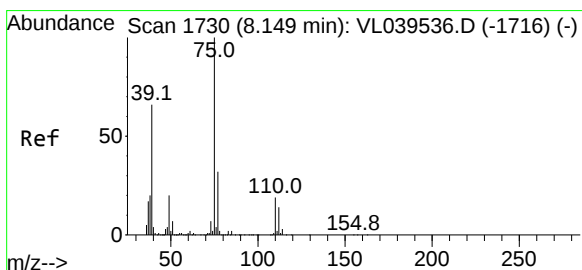
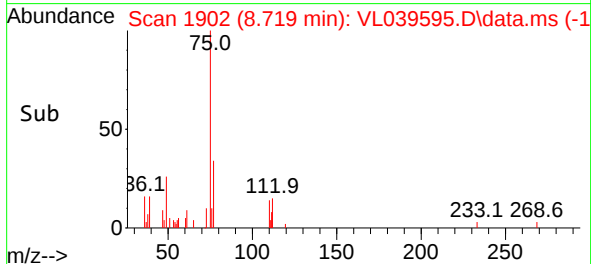
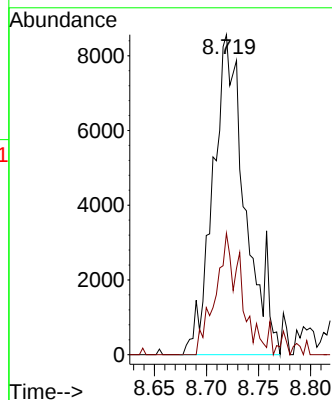
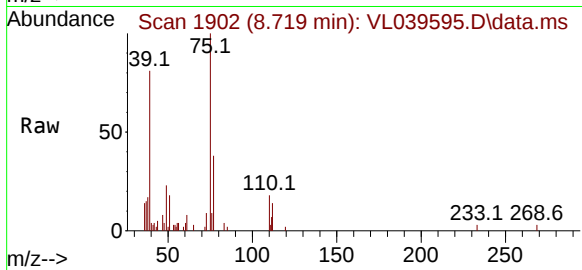
77 37.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#46

cis-1,3-Dichloropropene

Concen: 0.323 ppbv m

RT: 8.156 min Scan# 1727

Delta R.T. 0.007 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

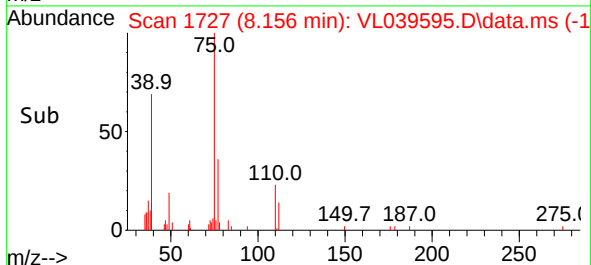
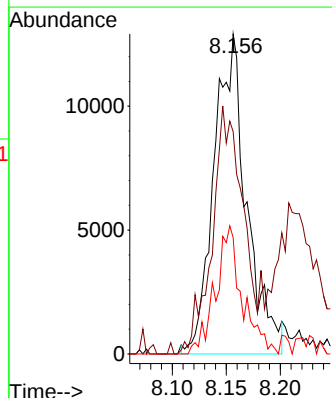
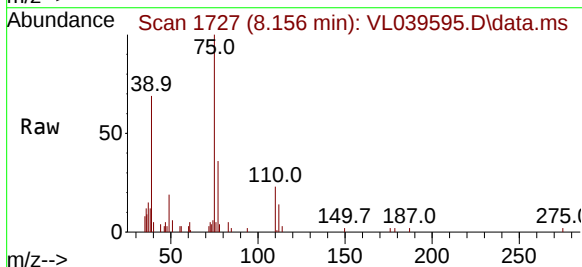
Tgt Ion: 75 Resp: 27052

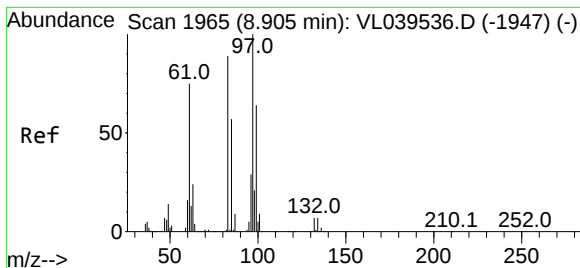
Ion Ratio Lower Upper

75 100

39 69.5 55.0 82.4

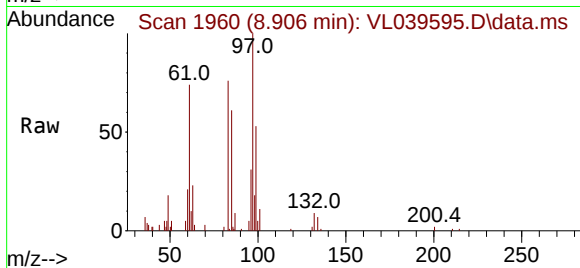
77 36.4 25.7 38.5





#47
1,1,2-Trichloroethane
Concen: 0.498 ppbv
RT: 8.906 min Scan# 1965
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

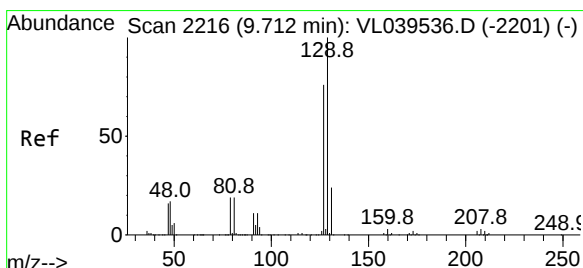
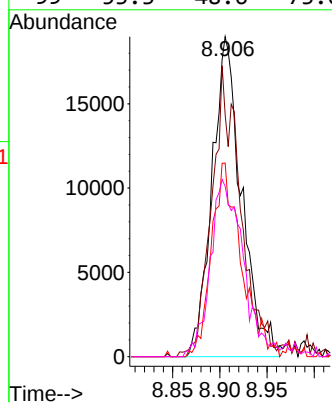
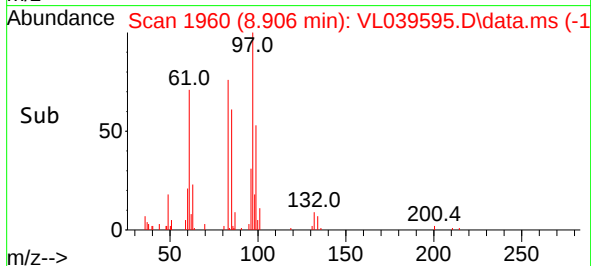
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



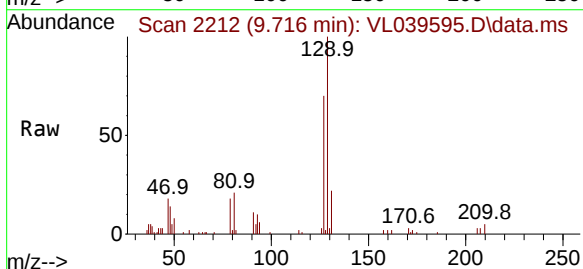
Tgt Ion: 97 Resp: 4112
Ion Ratio Lower Upper
97 100
83 75.6 67.4 101.0
85 60.5 45.1 67.7
99 53.3 48.6 73.0

Manual Integrations
APPROVED

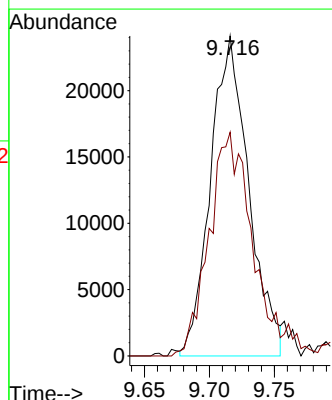
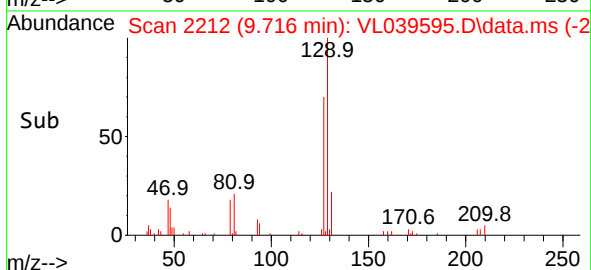
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

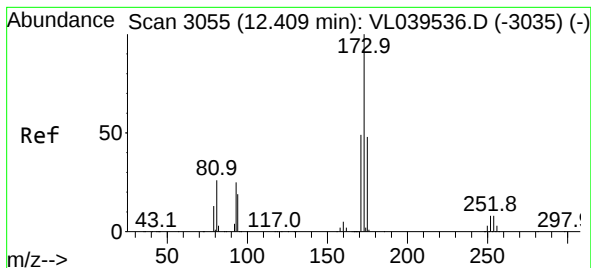


#48
Dibromochloromethane
Concen: 0.405 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



Tgt Ion:129 Resp: 49340
Ion Ratio Lower Upper
129 100
127 80.5 39.3 117.9





#49

Bromoform

Concen: 0.396 ppbv m

RT: 12.407 min Scan# 3055

Delta R.T. -0.002 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

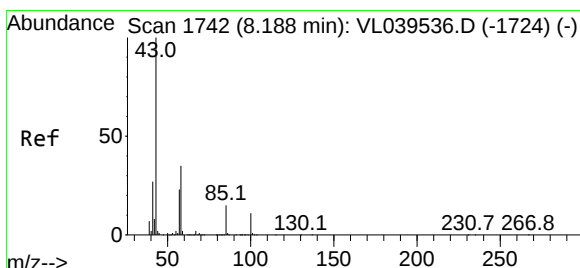
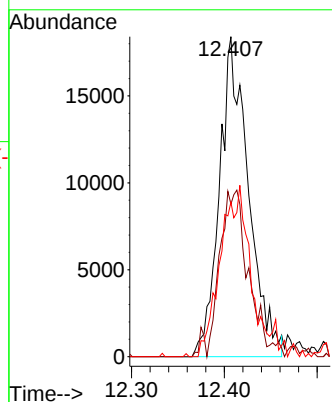
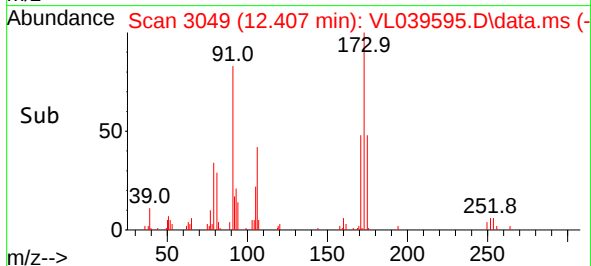
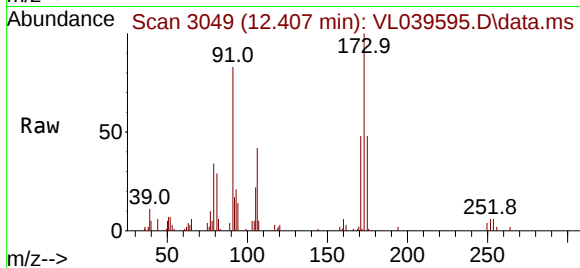
MDL-AIR-03-QT3-2022

Tgt Ion:	173	Resp:	39904
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.3	60.5
171	0.0	42.9	64.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#50

4-Methyl-2-Pentanone

Concen: 0.399 ppbv m

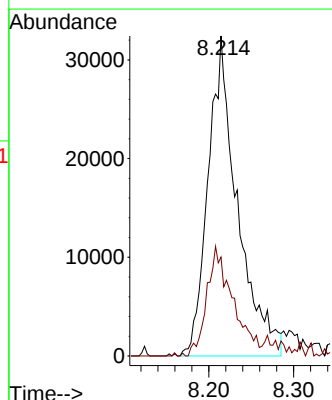
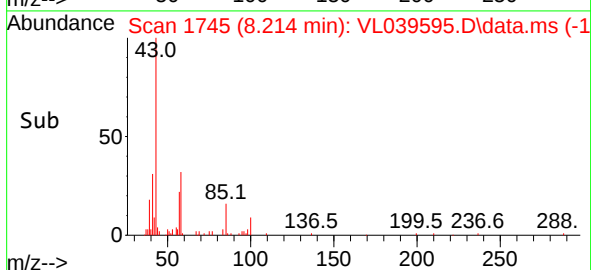
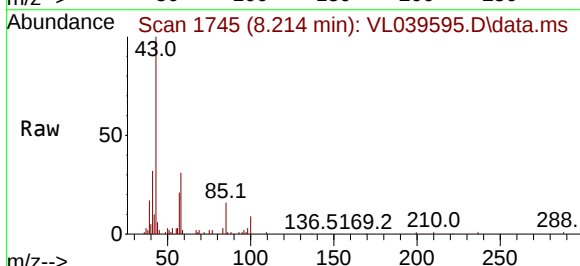
RT: 8.214 min Scan# 1745

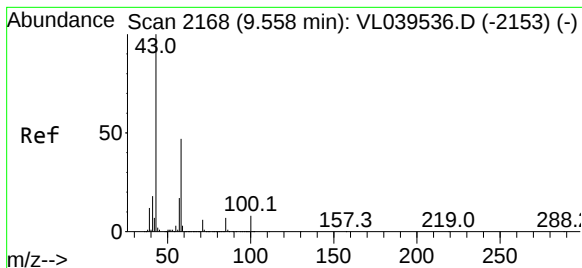
Delta R.T. 0.026 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

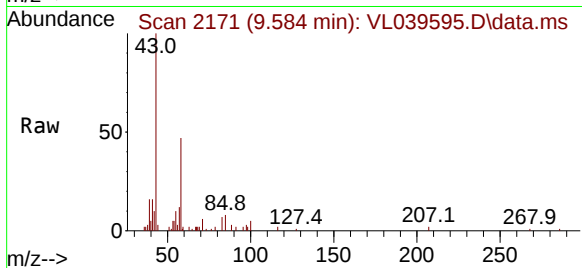
Tgt Ion:	43	Resp:	77952
Ion Ratio	Lower	Upper	
43	100		
58	30.3	28.8	43.2





#51
2-Hexanone
Concen: 0.341 ppbv m
RT: 9.584 min Scan# 2168
Delta R.T. 0.026 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

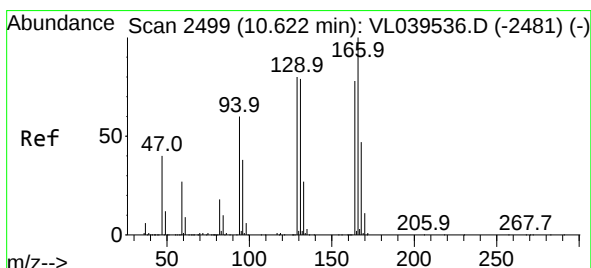
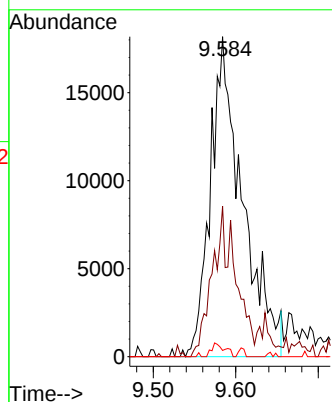
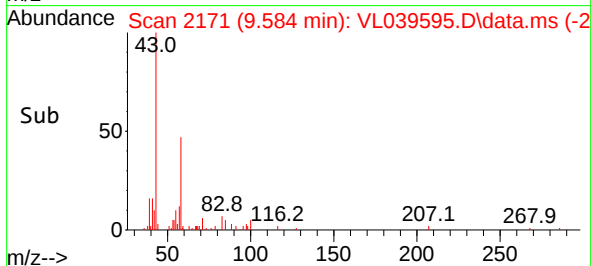
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 43 Resp: 49108
Ion Ratio Lower Upper
43 100
58 39.6 38.4 57.6
98 2.3 0.3 0.5

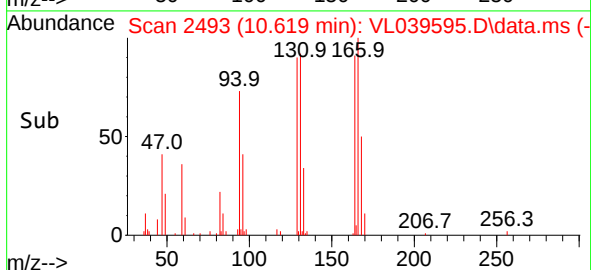
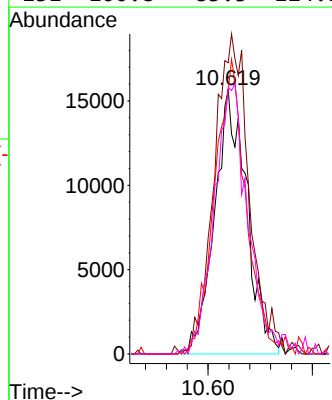
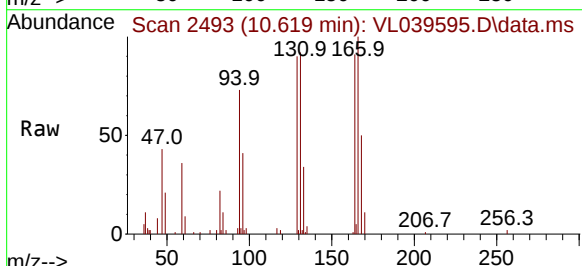
Manual Integrations
APPROVED

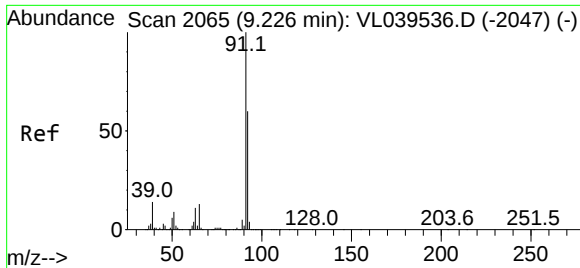
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#52
Tetrachloroethene
Concen: 0.463 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.002 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Tgt Ion:164 Resp: 33662
Ion Ratio Lower Upper
164 100
166 110.0 102.2 153.2
129 99.3 85.8 128.8
131 100.8 83.3 124.9





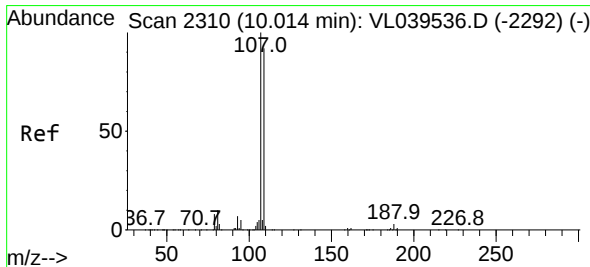
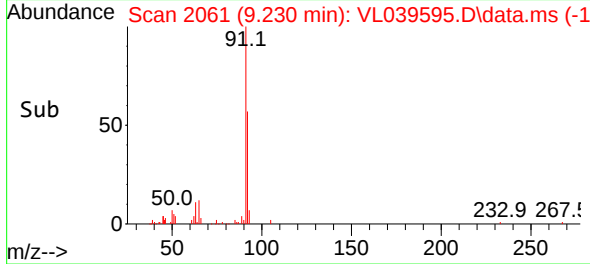
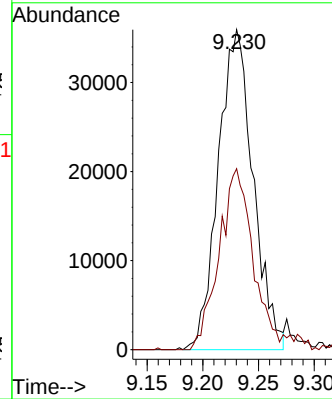
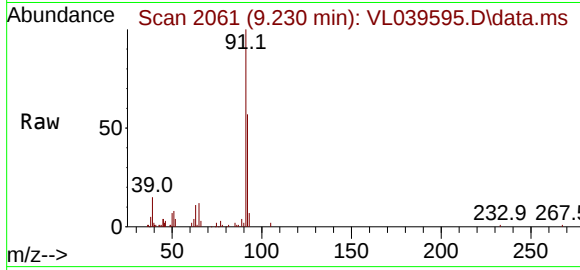
#53
Toluene
Concen: 0.362 ppbv
RT: 9.230 min Scan# 2065
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion: 91 Resp: 7794
Ion Ratio Lower Upper
91 100
92 57.7 48.2 72.2

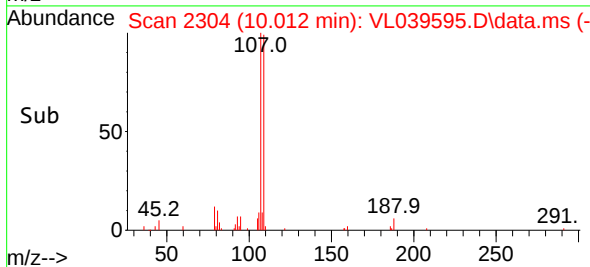
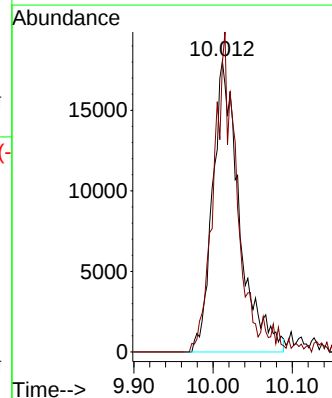
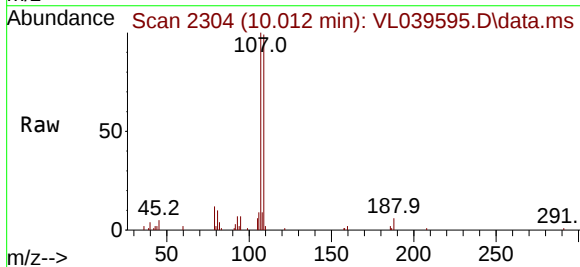
Manual Integrations
APPROVED

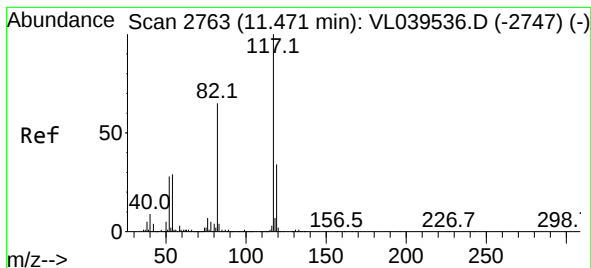
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#54
1,2-Dibromoethane
Concen: 0.459 ppbv m
RT: 10.012 min Scan# 2304
Delta R.T. -0.002 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Tgt Ion:107 Resp: 42356
Ion Ratio Lower Upper
107 100
109 99.2 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2763

Delta R.T. 0.001 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion:117 Resp: 226679

Ion Ratio Lower Upper

117 100

82 62.3 50.8 76.2

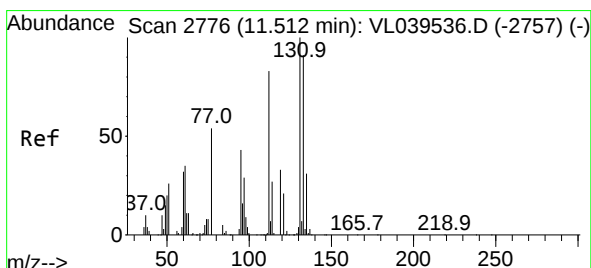
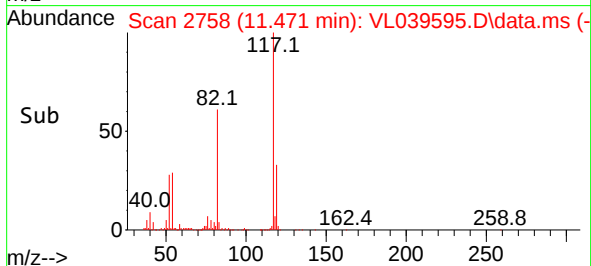
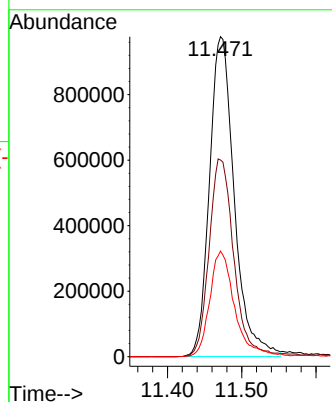
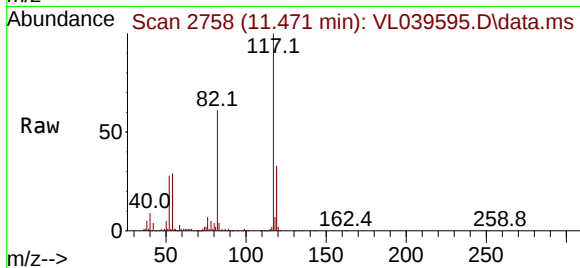
119 33.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 0.528 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. 0.004 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

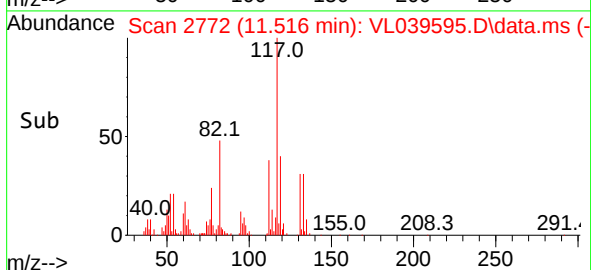
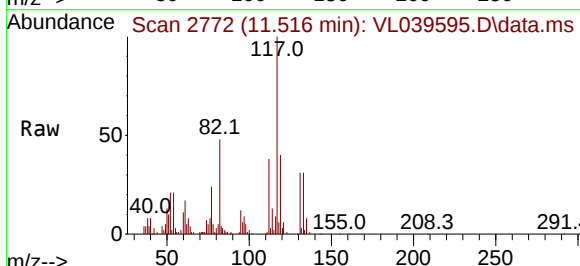
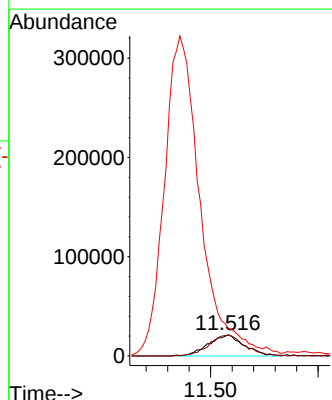
Tgt Ion:131 Resp: 48640

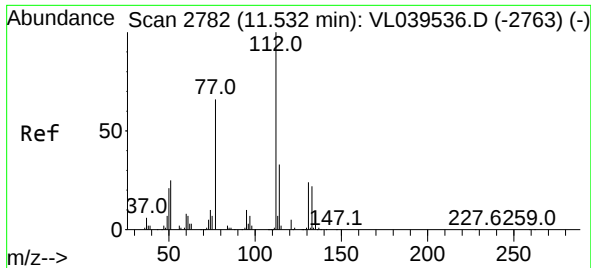
Ion Ratio Lower Upper

131 100

133 100.3 76.8 115.2

119 1576.3 46.2 69.4#





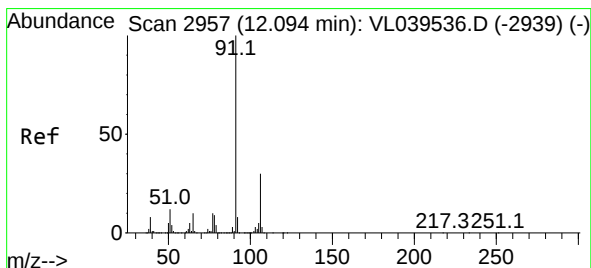
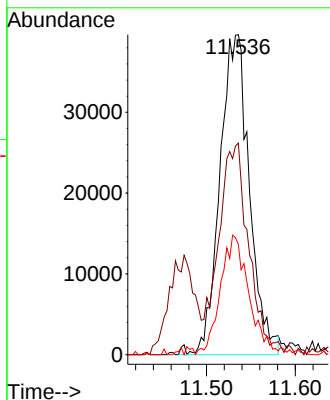
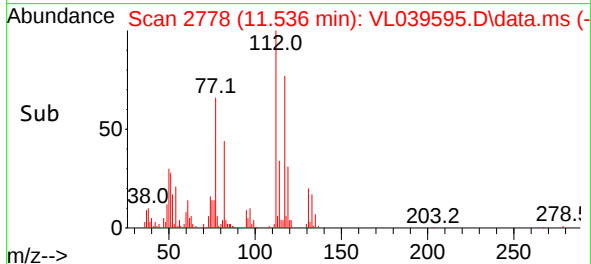
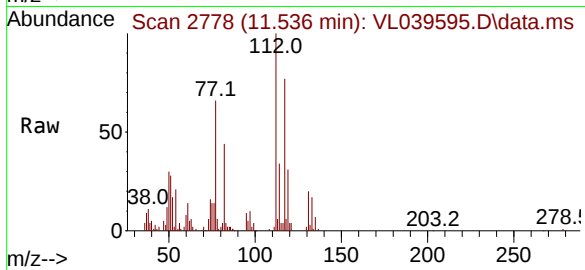
#57
Chlorobenzene
Concen: 0.541 ppbv m
RT: 11.536 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion:112 Resp: 91570
Ion Ratio Lower Upper
112 100
77 66.1 51.0 76.4
114 34.5 27.5 33.6

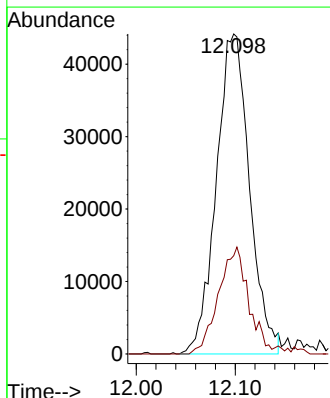
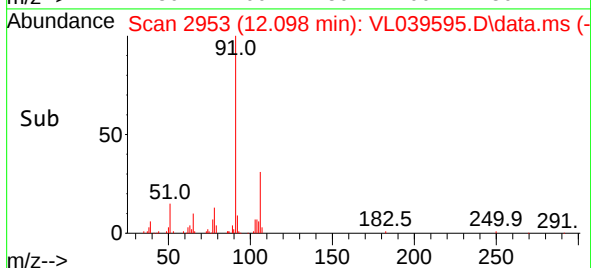
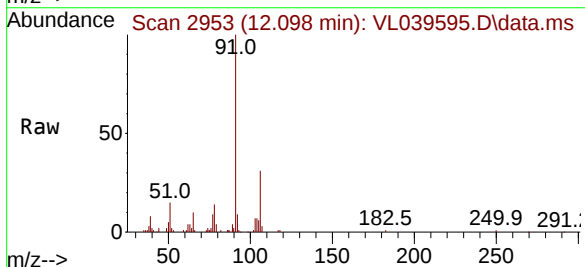
Manual Integrations
APPROVED

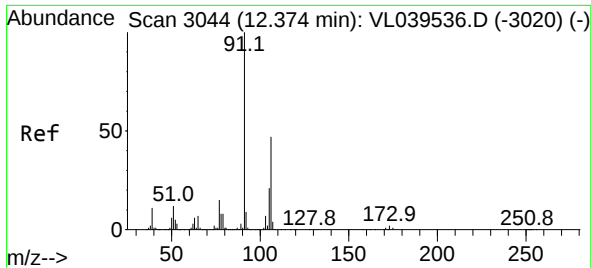
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#58
Ethyl Benzene
Concen: 0.396 ppbv m
RT: 12.098 min Scan# 2953
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

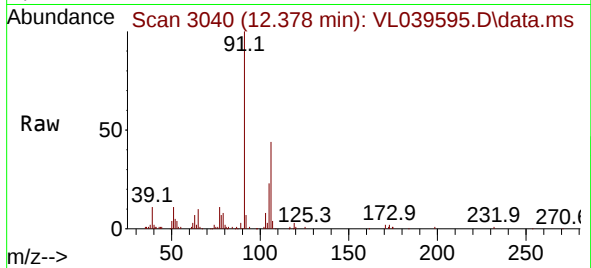
Tgt Ion: 91 Resp: 103013
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.0





#59
m/p-Xylene
Concen: 0.868 ppbv m
RT: 12.378 min Scan# 3040
Delta R.T. 0.004 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

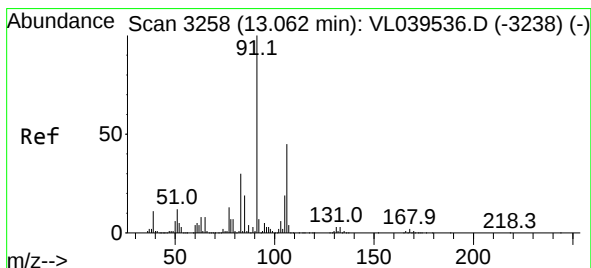
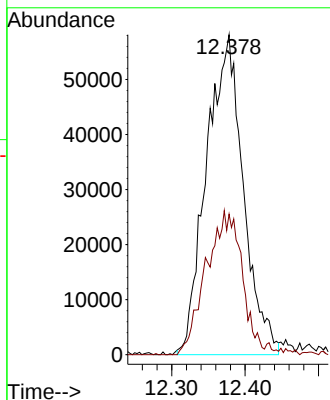
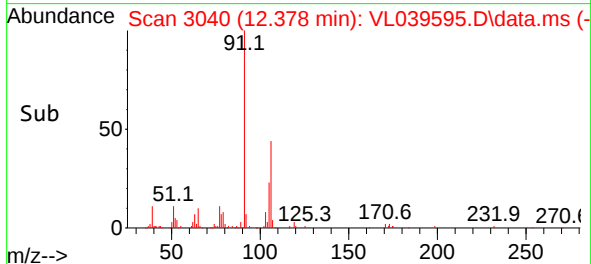
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



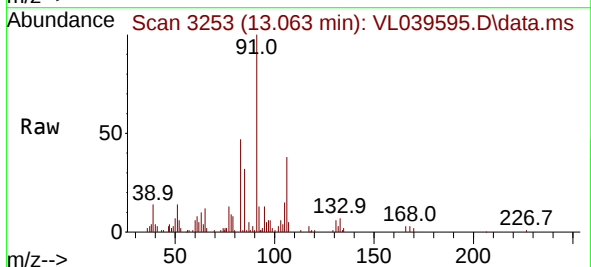
Tgt Ion: 91 Resp: 202820
Ion Ratio Lower Upper
91 100
106 45.2 35.4 53.2

Manual Integrations
APPROVED

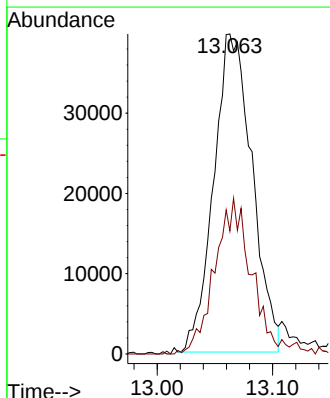
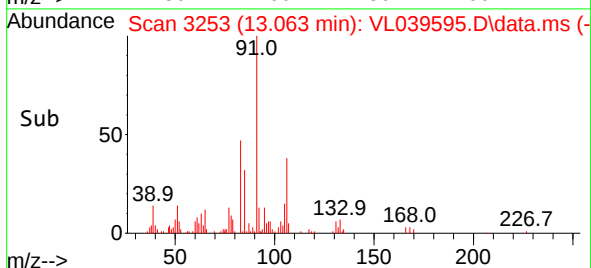
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

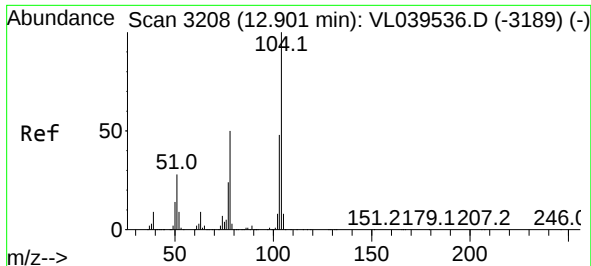


#60
o-Xylene
Concen: 0.408 ppbv
RT: 13.063 min Scan# 3253
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



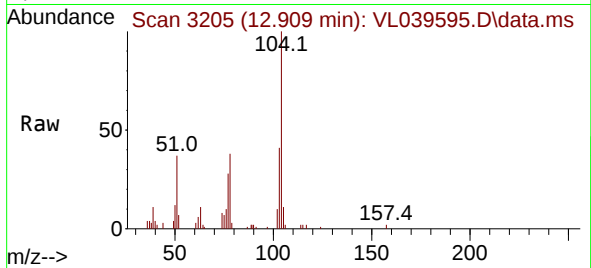
Tgt Ion: 91 Resp: 91558
Ion Ratio Lower Upper
91 100
106 47.8 22.4 67.3





#61
Styrene
Concen: 0.331 ppbv
RT: 12.909 min Scan# 3189
Delta R.T. 0.007 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

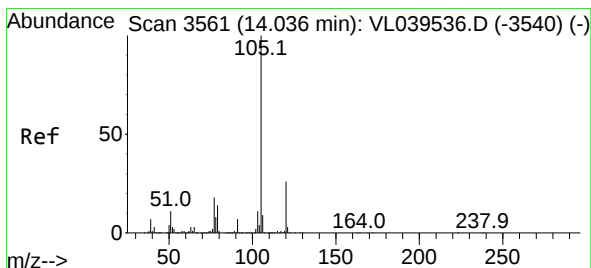
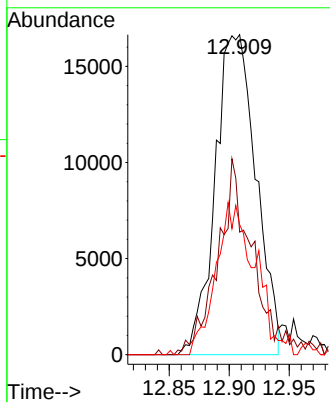
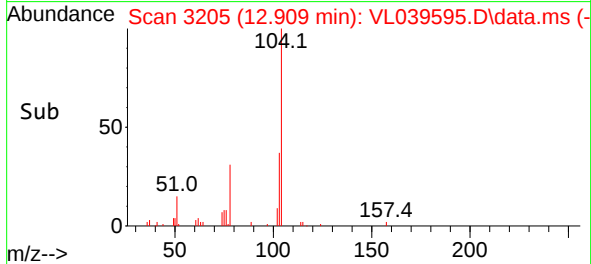
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



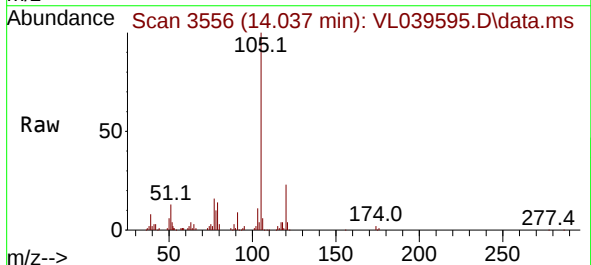
Tgt Ion:104 Resp: 39508
Ion Ratio Lower Upper
104 100
78 53.8 41.2 61.8
103 45.7 38.7 58.1

Manual Integrations
APPROVED

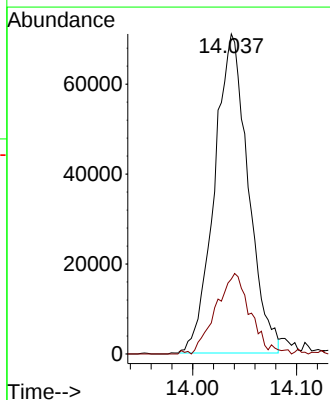
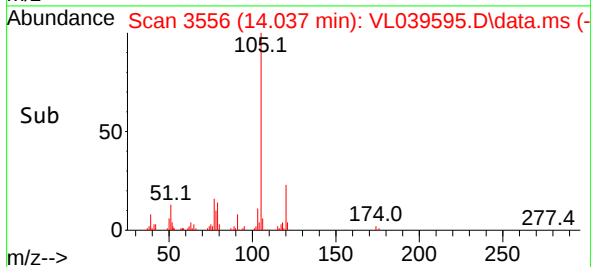
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

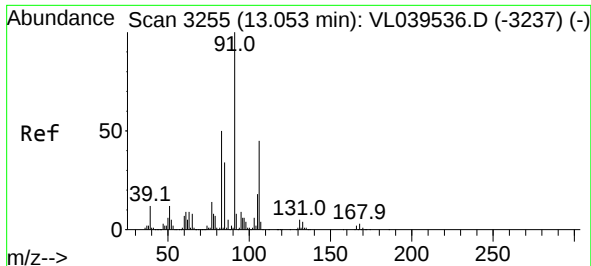


#62
Isopropylbenzene
Concen: 0.473 ppbv
RT: 14.037 min Scan# 3556
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



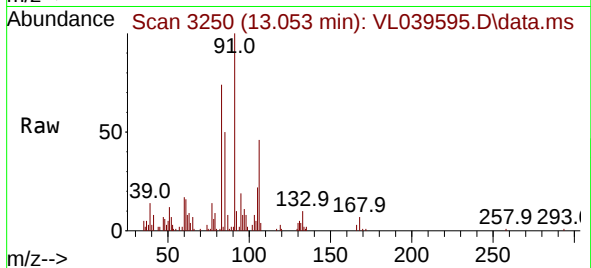
Tgt Ion:105 Resp: 160270
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 0.529 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

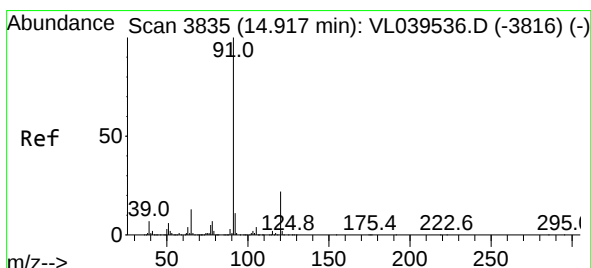
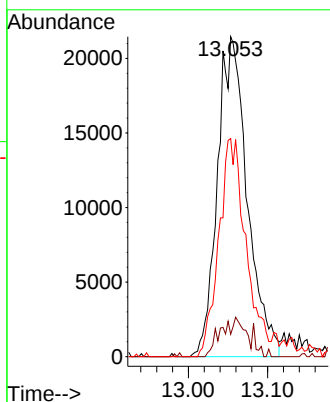
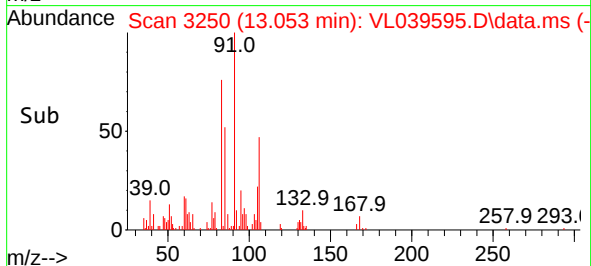
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



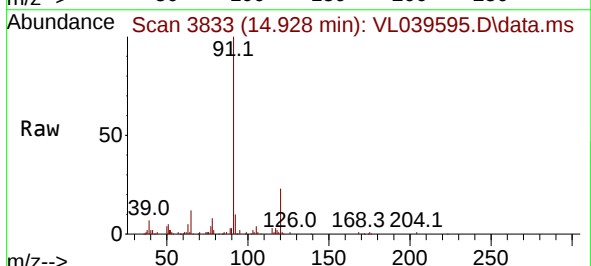
Tgt Ion: 83 Resp: 56229
Ion Ratio Lower Upper
83 100
131 11.2 5.3 15.8
85 67.2 33.1 99.5

Manual Integrations
APPROVED

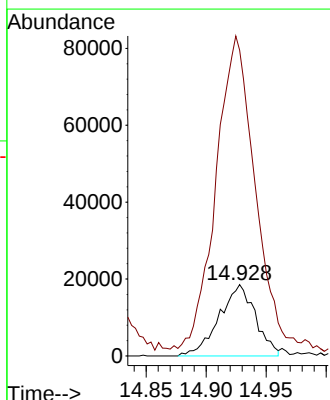
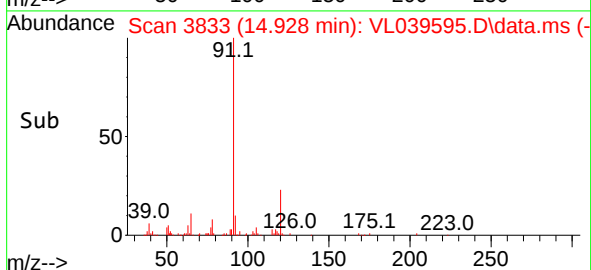
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

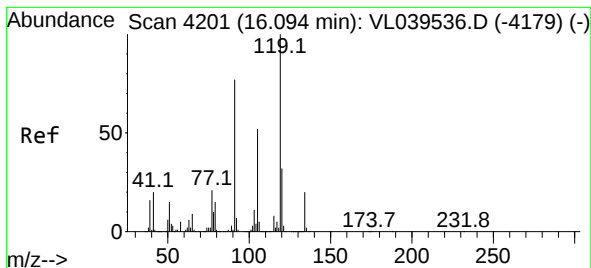


#64
n-propylbenzene
Concen: 0.444 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.010 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



Tgt Ion:120 Resp: 39151
Ion Ratio Lower Upper
120 100
91 505.8 367.2 550.8





#65

tert-Butylbenzene

Concen: 0.492 ppbv m

RT: 16.095 min Scan# 41

Delta R.T. 0.001 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

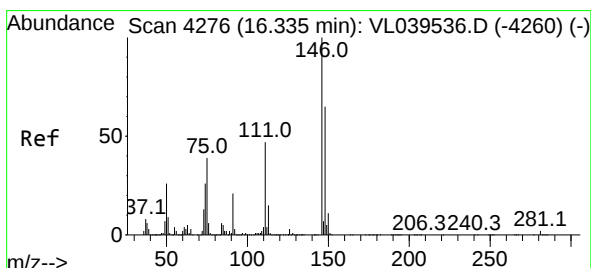
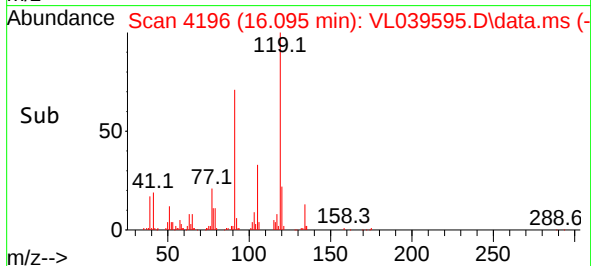
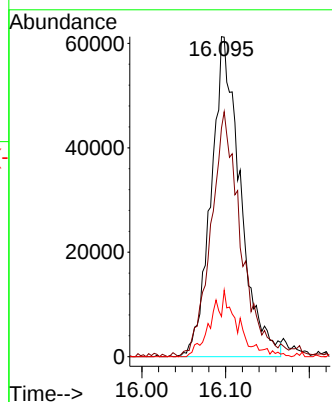
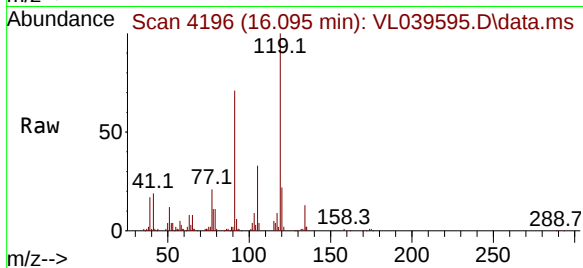
MDL-AIR-03-QT3-2022

Tgt Ion:	119	Resp:	14820
Ion Ratio	Lower	Upper	
119	100		
91	80.9	63.4	95.2
134	19.7	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#66

Benzyl Chloride

Concen: 0.426 ppbv m

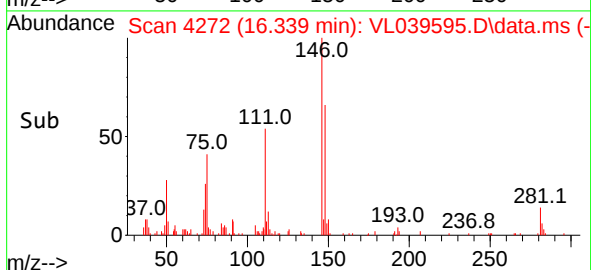
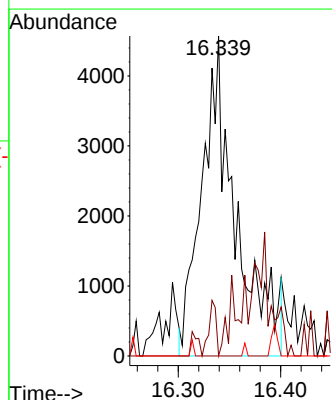
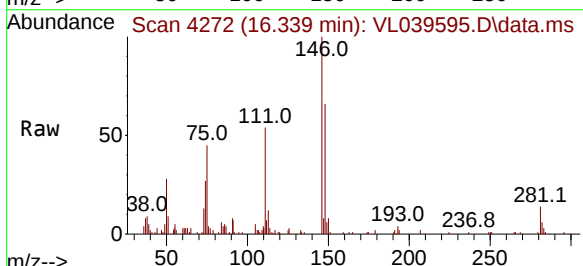
RT: 16.339 min Scan# 4272

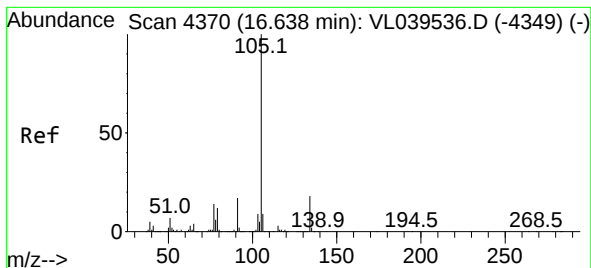
Delta R.T. 0.004 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Tgt Ion:	91	Resp:	10431
Ion Ratio	Lower	Upper	
91	100		
126	5.2	13.1	19.7#
128	0.0	4.4	6.6#





#67

sec-Butylbenzene

Concen: 0.442 ppbv

RT: 16.642 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion:105 Resp: 188809

Ion Ratio Lower Upper

105 100

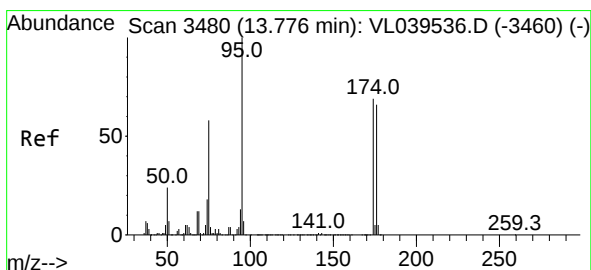
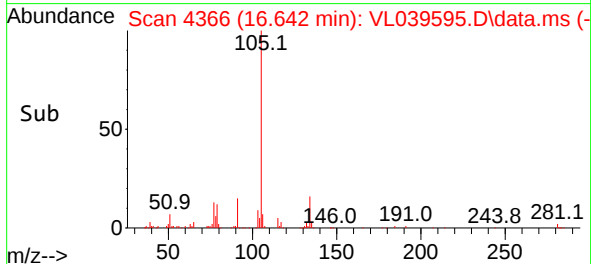
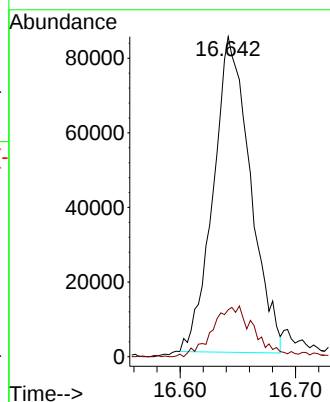
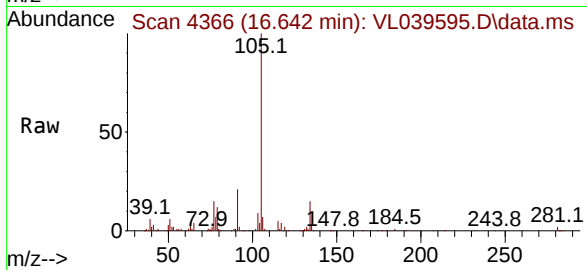
134 18.6 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.879 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.004 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

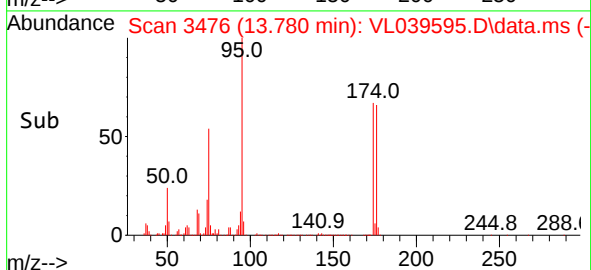
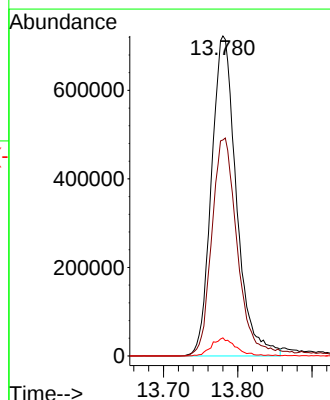
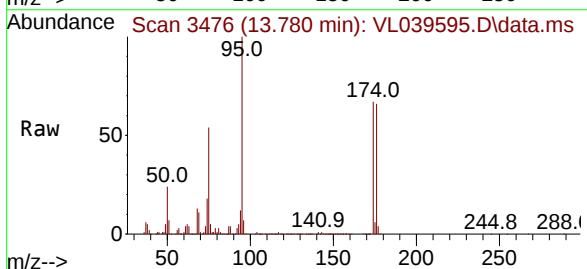
Tgt Ion: 95 Resp: 1689435

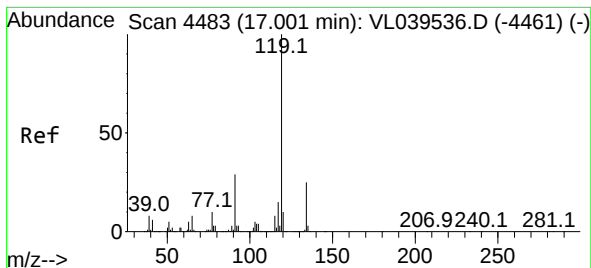
Ion Ratio Lower Upper

95 100

174 72.3 55.9 83.9

175 5.6 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.431 ppbv

RT: 17.005 min Scan# 44

Delta R.T. 0.004 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

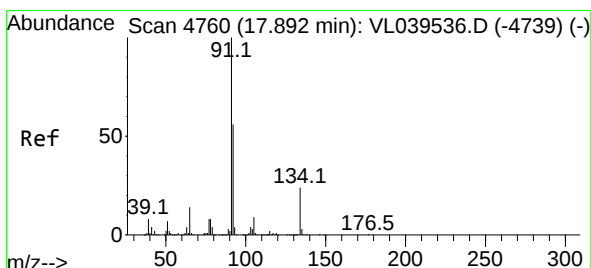
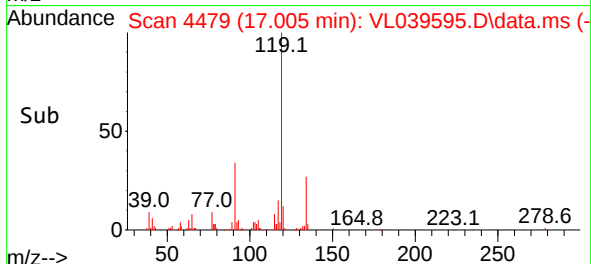
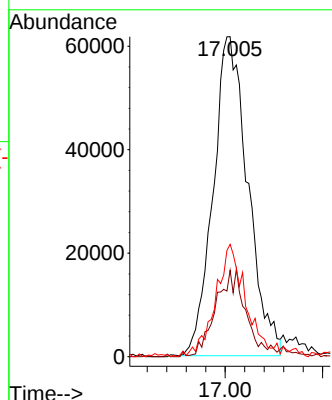
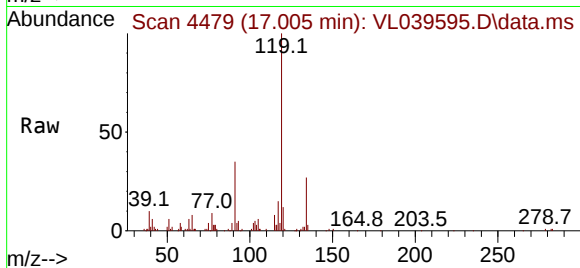
MDL-AIR-03-QT3-2022

Tgt Ion: 119 Resp: 152742
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.3 30.5
 91 33.6 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#70

n-Butylbenzene

Concen: 0.432 ppbv m

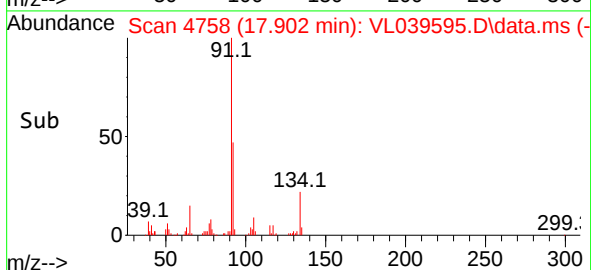
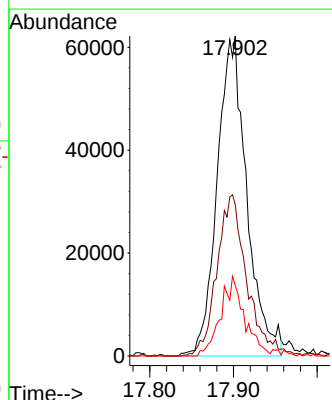
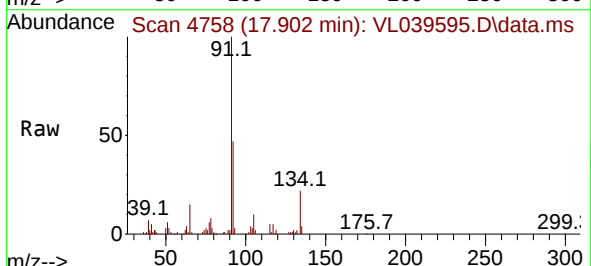
RT: 17.902 min Scan# 4758

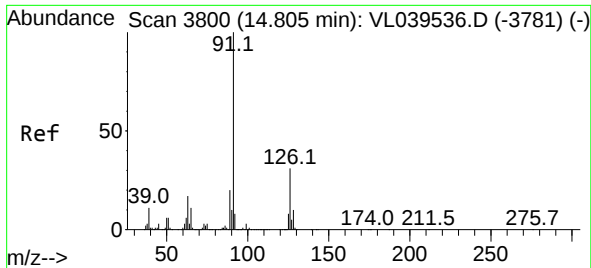
Delta R.T. 0.010 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

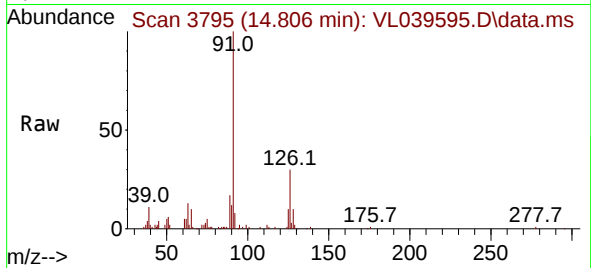
Tgt Ion: 91 Resp: 152452
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.4 65.2#
 134 0.0 18.9 28.3#





#71
2-Chlorotoluene
Concen: 0.401 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03

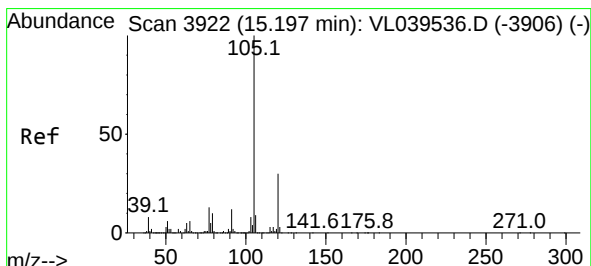
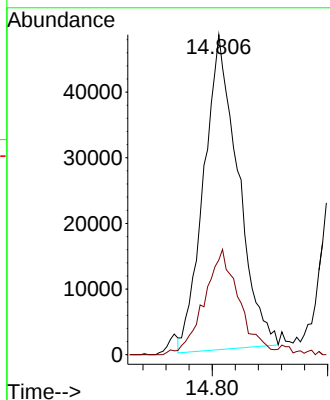
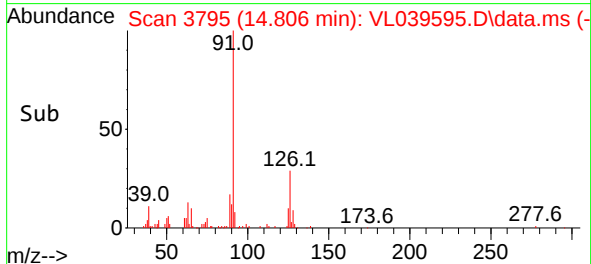
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



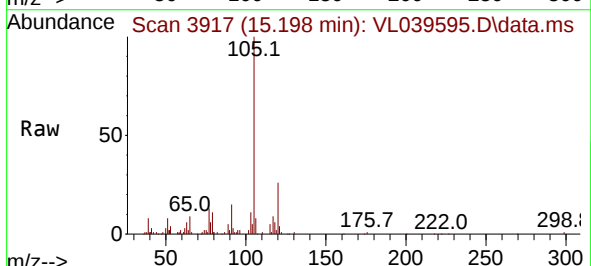
Tgt Ion: 91 Resp: 98579
Ion Ratio Lower Upper
91 100
126 35.7 13.0 51.8

Manual Integrations
APPROVED

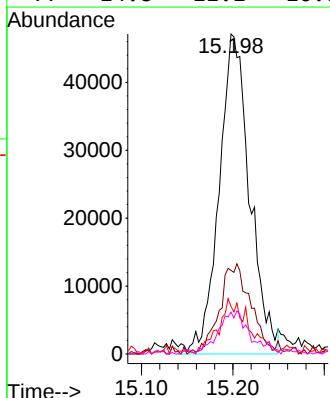
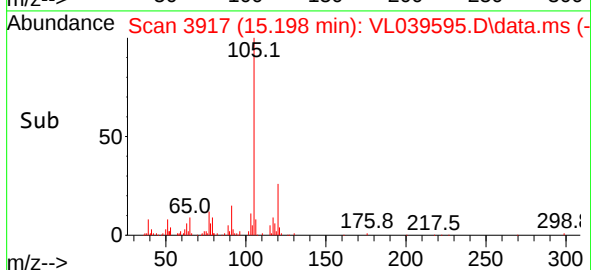
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

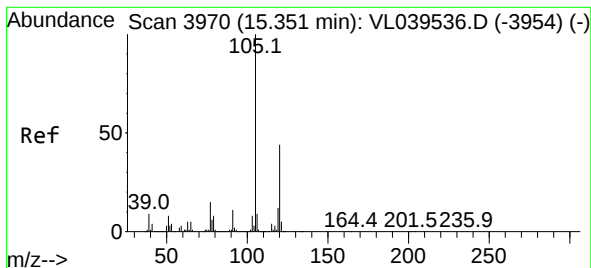


#72
4-Ethyltoluene
Concen: 0.419 ppbv m
RT: 15.198 min Scan# 3917
Delta R.T. 0.001 min
Lab File: VL039595.D
Acq: 26 Aug 2022 9:03



Tgt Ion:105 Resp: 109873
Ion Ratio Lower Upper
105 100
120 30.0 24.2 36.2
91 15.6 10.2 15.4#
77 14.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.380 ppbv

RT: 15.359 min Scan# 3970

Delta R.T. 0.007 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

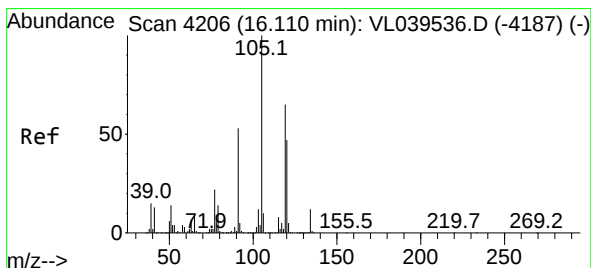
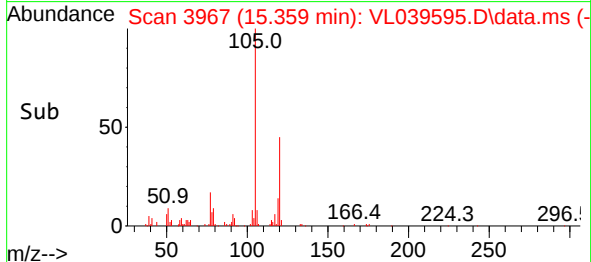
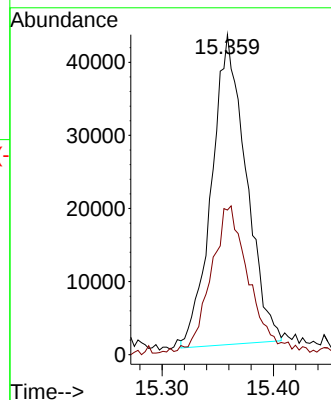
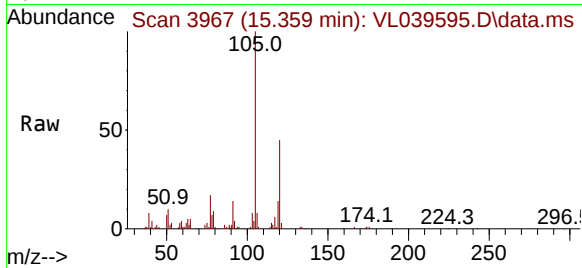
MDL-AIR-03-QT3-2022

Tgt Ion:105 Resp: 91094
 Ion Ratio Lower Upper
 105 100
 120 44.3 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.439 ppbv

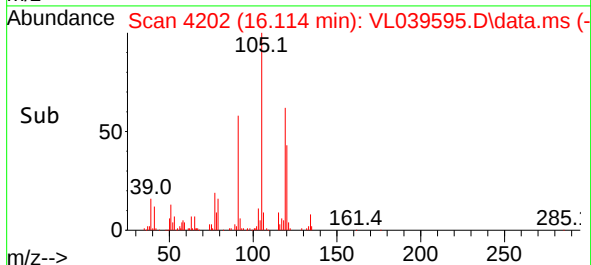
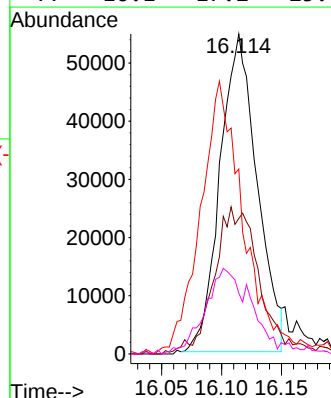
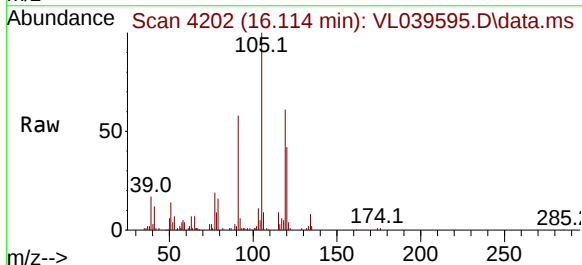
RT: 16.114 min Scan# 4202

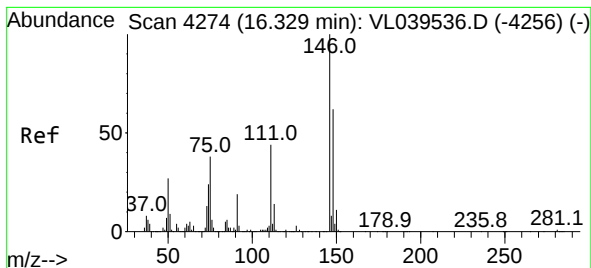
Delta R.T. 0.004 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Tgt Ion:105 Resp: 117263
 Ion Ratio Lower Upper
 105 100
 120 40.4 39.5 59.3
 91 50.6 39.2 58.8
 77 16.1 17.2 25.8#





#75

1,3-Dichlorobenzene

Concen: 0.500 ppbv m

RT: 16.330 min Scan# 4315

Delta R.T. 0.001 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

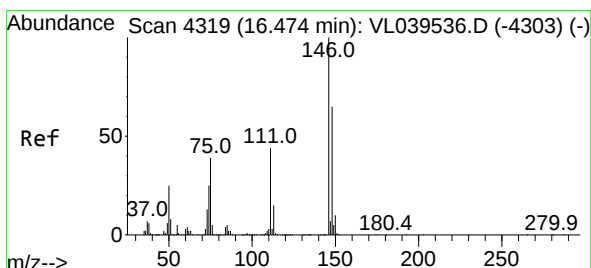
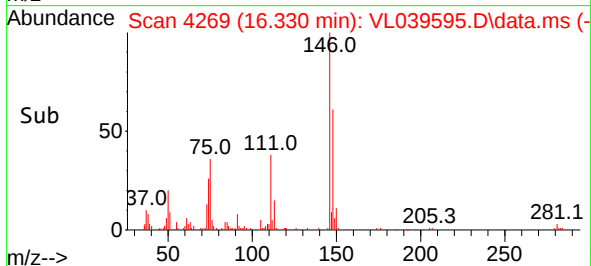
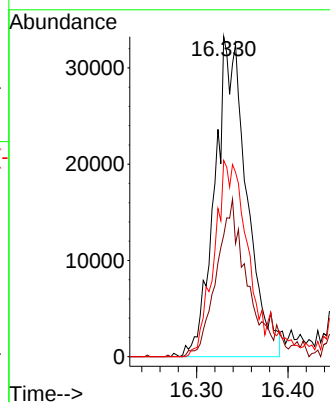
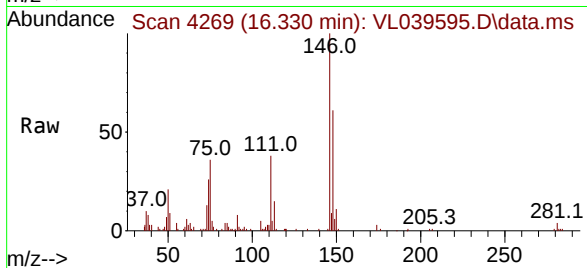
ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion:146	Resp:	8112
Ion Ratio	Lower	Upper
146	100	
111	0.0	22.9 68.7
148	69.4	32.1 96.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#76

1,4-Dichlorobenzene

Concen: 0.458 ppbv

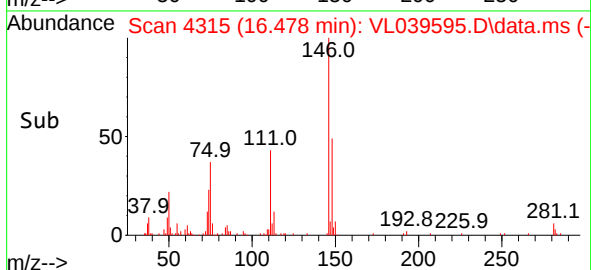
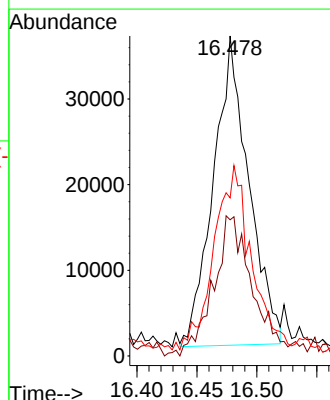
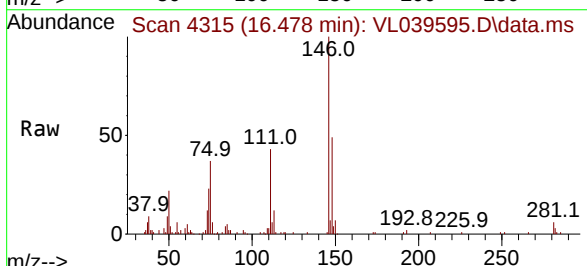
RT: 16.478 min Scan# 4315

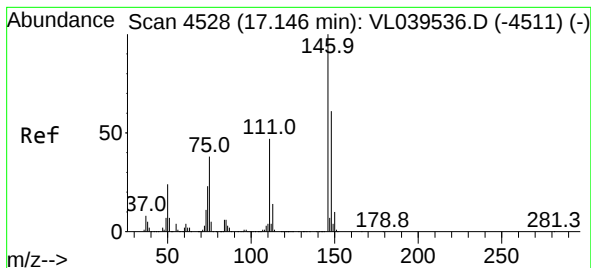
Delta R.T. 0.004 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Tgt Ion:146	Resp:	74101
Ion Ratio	Lower	Upper
146	100	
111	50.5	22.9 68.8
148	68.0	33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 0.506 ppbv m

RT: 17.146 min Scan# 4528

Delta R.T. 0.001 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

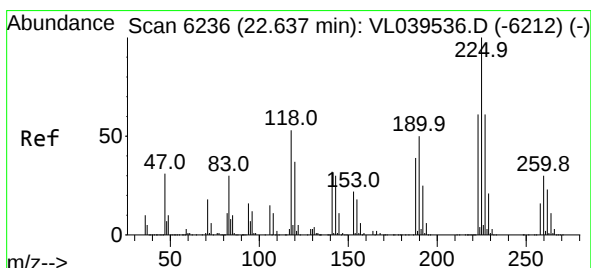
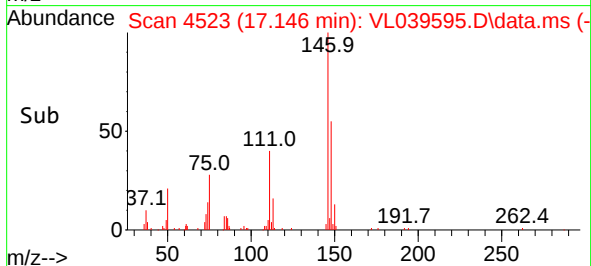
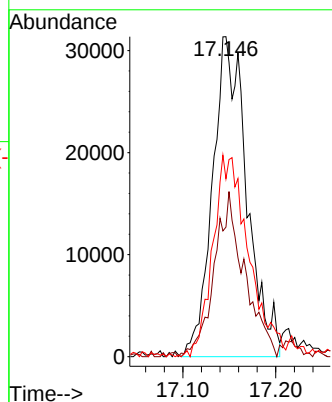
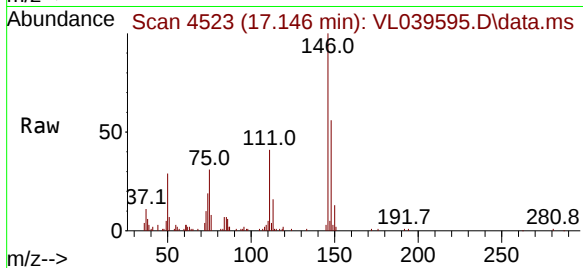
MDL-AIR-03-QT3-2022

Tgt Ion:	146	Resp:	80408
Ion Ratio	Lower	Upper	
146	100		
111	46.1	23.8	71.5
148	69.5	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#78

Hexachloro-1,3-Butadiene

Concen: 0.560 ppbv m

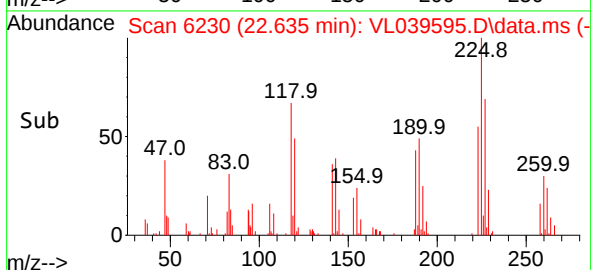
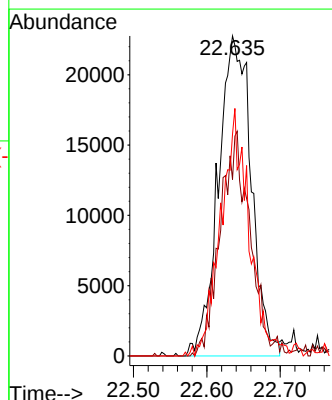
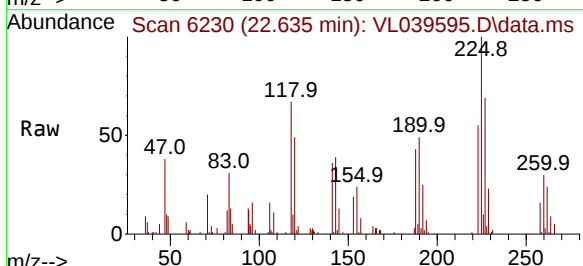
RT: 22.635 min Scan# 6230

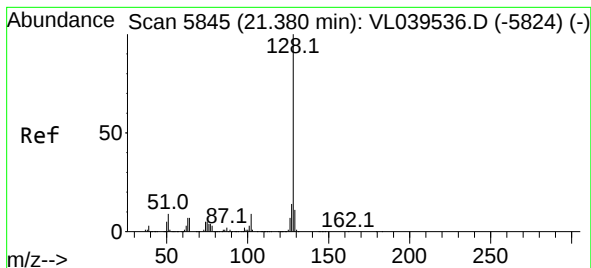
Delta R.T. -0.002 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Tgt Ion:	225	Resp:	70911
Ion Ratio	Lower	Upper	
225	100		
223	63.9	51.8	77.6
227	68.2	51.4	77.2





#79

Naphthalene

Concen: 0.355 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. 0.017 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

Instrument :

MSVOA_L

ClientSampleId :

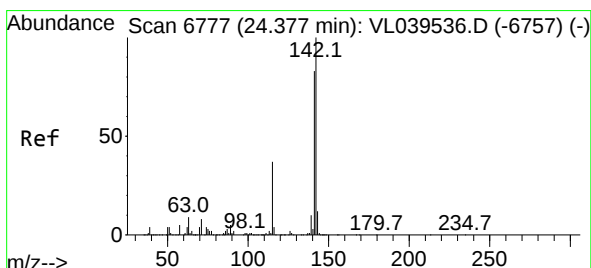
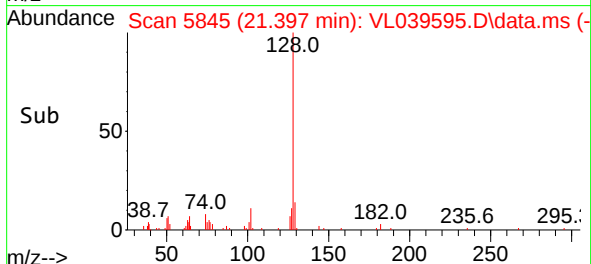
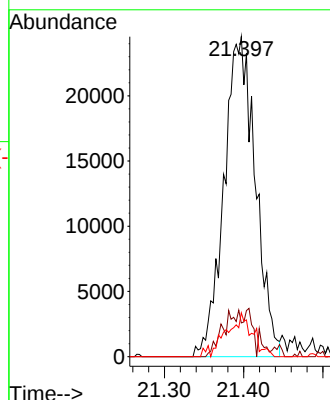
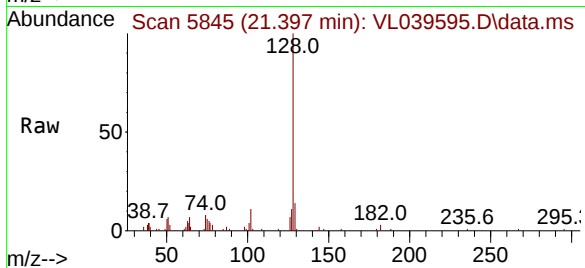
MDL-AIR-03-QT3-2022

Tgt Ion:128	Resp:	6748
Ion Ratio	Lower	Upper
128	100	
127	10.6	10.6 15.8
129	13.7	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#80

Naphthalene,2-methyl-

Concen: 0.096 ppbv

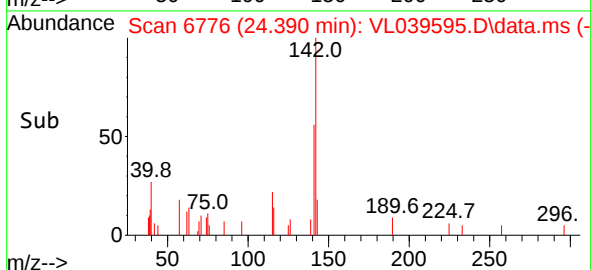
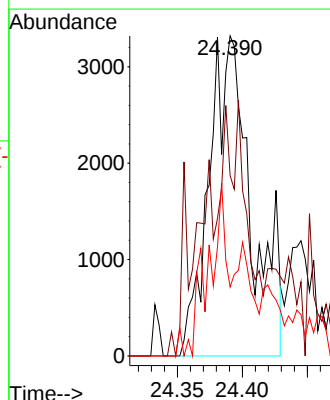
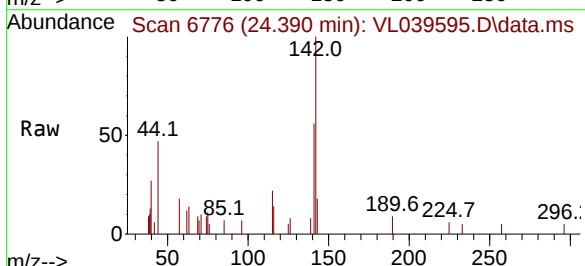
RT: 24.390 min Scan# 6776

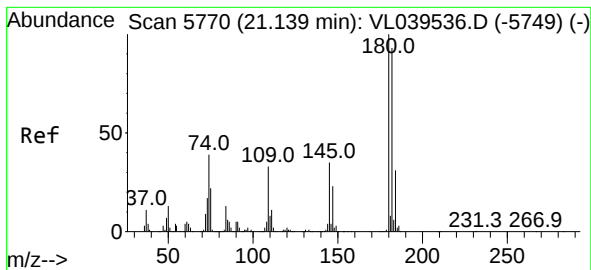
Delta R.T. 0.014 min

Lab File: VL039595.D

Acq: 26 Aug 2022 9:03

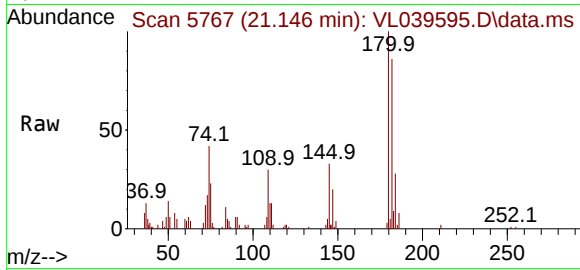
Tgt Ion:142	Resp:	7438
Ion Ratio	Lower	Upper
142	100	
141	97.1	68.9 103.3
115	52.5	30.0 45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 0.415 ppbv m
 RT: 21.146 min Scan# 51
 Delta R.T. 0.007 min
 Lab File: VL039595.D
 Acq: 26 Aug 2022 9:03

Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



Tgt Ion:180	Resp:	5271
Ion Ratio	Lower	Upper
180	100	
182	98.5	77.1 115.7
184	0.0	24.3 36.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

