

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041117.D
 Acq On : 15 Mar 2024 9:15
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024
 Supervised By :Mahesh Dadoda 03/18/2024

Quant Time: Mar 16 02:13:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Fri Mar 15 02:44:43 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1303712	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.665	114	3314526	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3028871	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2525530 10.665 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2143154	8.627	ppbv	98
3) Chlorodifluoromethane	2.678	51	1976514	10.323	ppbv	100
4) Chloromethane	2.816	50	751229	10.366	ppbv	98
5) Vinyl Chloride	2.922	62	783658	10.627	ppbv	97
6) Bromomethane	3.121	94	313648	10.725	ppbv	96
7) Chloroethane	3.202	64	275364	10.754	ppbv	99
8) Dichlorotetrafluoroethane	2.861	85	1895785	10.509	ppbv	98
9) Propene	2.697	41	665187	10.432	ppbv	98
10) Heptane	7.590	43	1641814	10.761	ppbv	99
11) Trichlorofluoromethane	3.565	101	1989314	10.385	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.073	101	1408333	10.000	ppbv	100
13) Ethanol	3.240	45	146646m	8.630	ppbv	
14) Bromoethene	3.372	108	591103	10.764	ppbv	99
15) Acetone	3.472	43	1374553	9.254	ppbv	100
16) 1,3-Butadiene	2.986	39	739460	10.975	ppbv	100
17) tert-Butyl alcohol	3.883	59	1344248	12.223	ppbv	99
18) 1,1-Dichloroethene	3.886	96	624381	10.157	ppbv	99
19) Isopropyl Alcohol	3.581	45	968186	12.204	ppbv	99
20) Methylene Chloride	3.941	84	522085	9.016	ppbv	96
21) Allyl Chloride	4.002	41	903015	10.765	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	636898	8.875	ppbv	96
23) Vinyl Acetate	4.636	43	1562467	9.296	ppbv	99
24) 1,1-Dichloroethane	4.571	63	1286662	8.474	ppbv	99
25) Ethyl Acetate	5.214	43	2784928	10.407	ppbv	100
26) Hexane	5.221	57	1191631	9.964	ppbv	97
27) Carbon Disulfide	4.131	76	1530326	10.674	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	885940	8.378	ppbv	99
29) Chloroform	5.285	83	2050600	10.068	ppbv	95
30) Cyclohexane	6.613	84	1015830	10.250	ppbv	99
31) cis-1,2-Dichloroethene	5.089	61	1205702	10.356	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1995967	10.821	ppbv	100
34) 2-Butanone	4.793	43	1436142	8.751	ppbv	100
35) Carbon Tetrachloride	6.507	117	2124506	10.968	ppbv	97
36) Benzene	6.382	78	2578900	10.453	ppbv	98
37) 1,2-Dichloroethane	5.816	62	1542391	10.391	ppbv	100
38) Trichloroethene	7.308	130	1012135	11.295	ppbv	94
39) 1,2-Dichloropropane	7.086	63	1002041	10.153	ppbv	98
40) 1,4-Dioxane	7.301	88	390345	10.046	ppbv	91
41) Tetrahydrofuran	5.568	42	1022877	10.473	ppbv	99
42) Bromodichloromethane	7.263	83	2252290	10.591	ppbv	98
43) Methyl Methacrylate	7.484	69	1072294	11.236	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	4280041	10.388	ppbv	100
45) t-1,3-Dichloropropene	8.722	75	798769	12.159	ppbv	98

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Manual Integrations
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 Supervised By :Mahesh Dadoda 03/18/2024

Quant Time: Mar 16 02:13:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

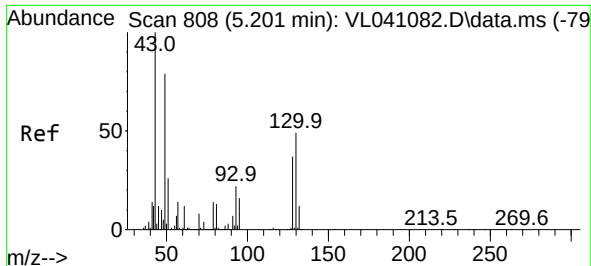
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 15 02:44:43 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	953426	11.557	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	1105983	10.506	ppbv	99
48) Dibromochloromethane	9.725	129	1896865	11.055	ppbv	100
49) Bromoform	12.423	173	1568703	11.494	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	2708553	11.191	ppbv	99
51) 2-Hexanone	9.561	43	1960349	11.057	ppbv	99
52) Tetrachloroethene	10.632	164	880894	11.511	ppbv	98
53) Toluene	9.237	91	2963126	11.142	ppbv	100
54) 1,2-Dibromoethane	10.025	107	1564116	11.553	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	1374666	10.608	ppbv	98
57) Chlorobenzene	11.542	112	2310315	10.821	ppbv	96
58) Ethyl Benzene	12.105	91	4035423	11.380	ppbv	100
59) m/p-Xylene	12.388	91	6917864m	22.224	ppbv	
60) o-Xylene	13.076	91	3321419	11.238	ppbv	100
61) Styrene	12.915	104	1693482	12.689	ppbv	99
62) Isopropylbenzene	14.047	105	4876226	11.106	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	2533133	11.403	ppbv	99
64) n-propylbenzene	14.931	120	1266170	11.462	ppbv	100
65) tert-Butylbenzene	16.105	119	4305505	11.283	ppbv	99
66) Benzyl Chloride	16.343	91	337054	13.037	ppbv	97
67) sec-Butylbenzene	16.651	105	6140342	11.187	ppbv	100
69) p-Isopropyltoluene	17.011	119	4954922	11.572	ppbv	100
70) n-Butylbenzene	17.902	91	5353103	11.568	ppbv	100
71) 2-Chlorotoluene	14.815	91	3793194	11.295	ppbv	99
72) 4-Ethyltoluene	15.211	105	3874841	11.908	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3346854	11.623	ppbv	95
74) 1,2,4-Trimethylbenzene	16.124	105	3713761	11.292	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	2165000	11.527	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	2092411	11.057	ppbv	98
77) 1,2-Dichlorobenzene	17.159	146	2098386	11.434	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1249963	9.675	ppbv	100
79) Naphthalene	21.403	128	3032442	15.922	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	645346	21.139	ppbv	94
81) 1,2,4-Trichlorobenzene	21.159	180	1464199	13.350	ppbv	98

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



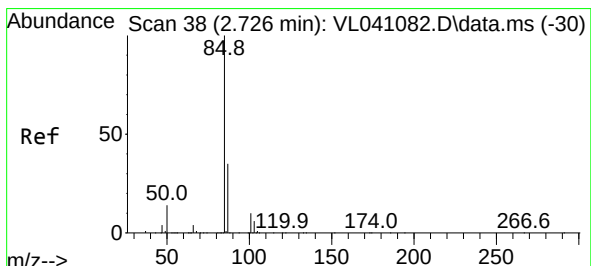
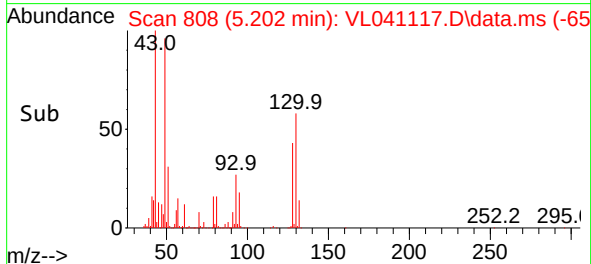
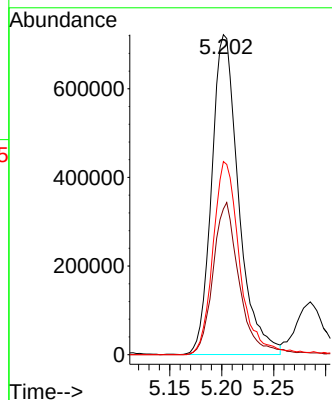
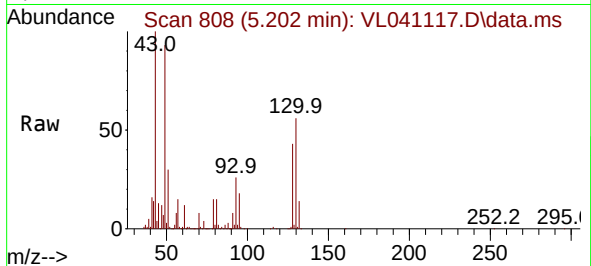
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.001 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 130371
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.5
130 60.8 30.3 90.9

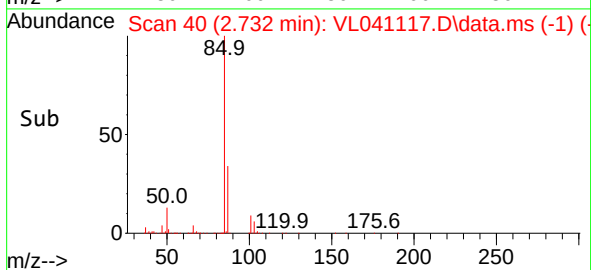
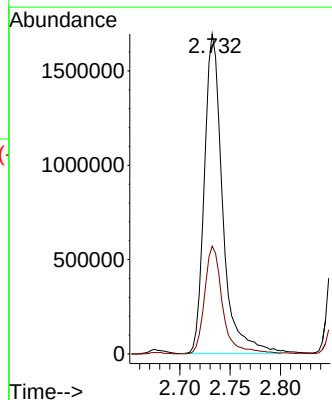
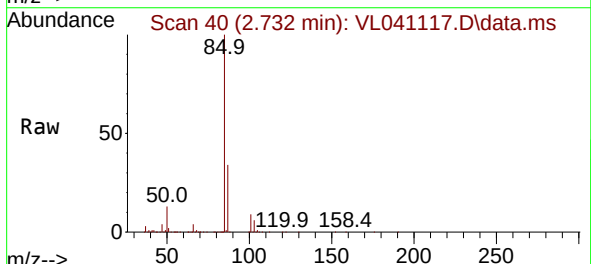
Manual Integrations
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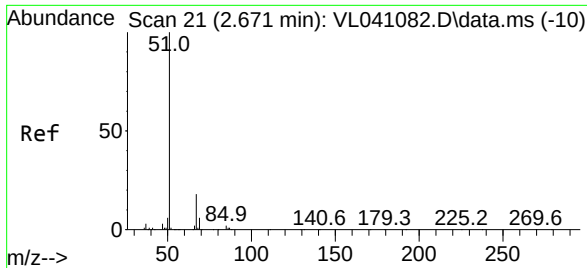
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#2
Dichlorodifluoromethane
Concen: 8.627 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 85 Resp: 2143154
Ion Ratio Lower Upper
85 100
87 33.7 28.1 42.1





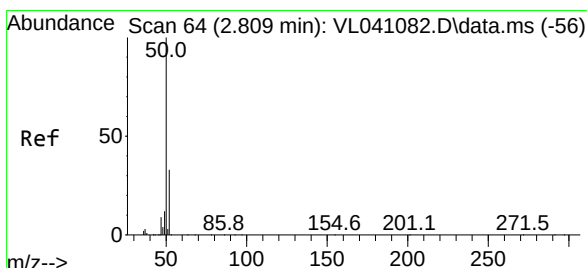
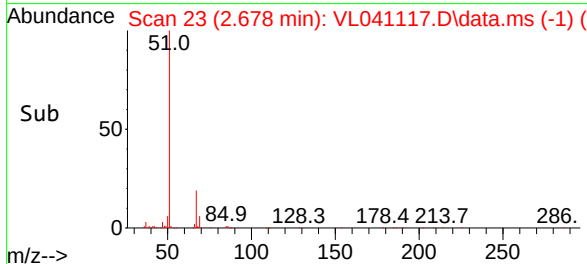
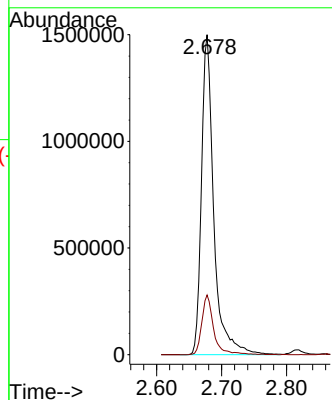
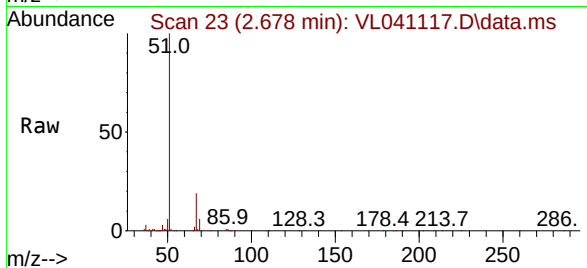
#3
Chlorodifluoromethane
Concen: 10.323 ppbv
RT: 2.678 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1976514
Ion Ratio Lower Upper
51 100
67 18.1 14.5 21.7

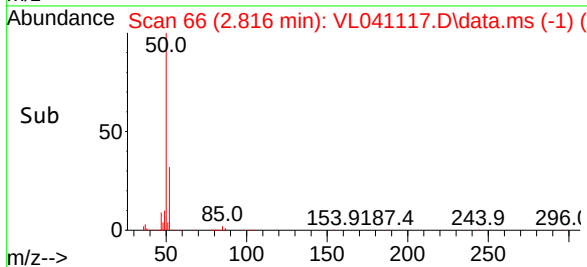
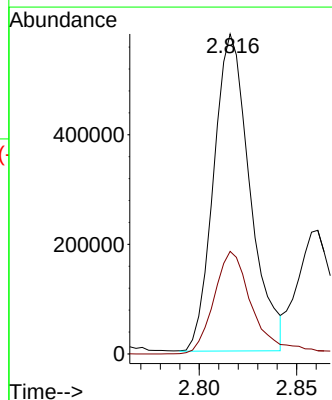
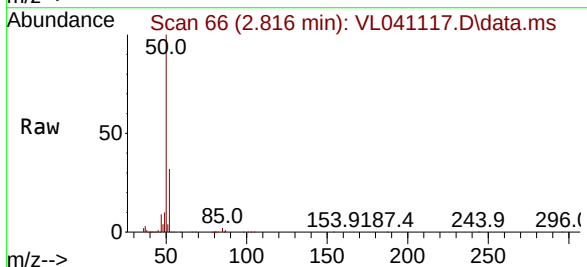
Manual Integrations
APPROVED

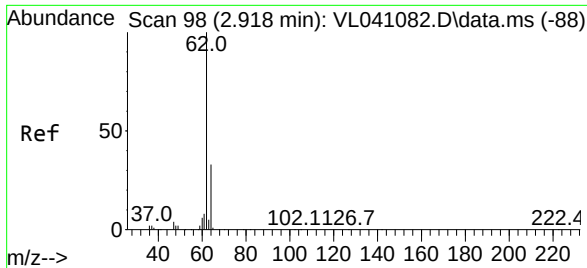
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#4
Chloromethane
Concen: 10.366 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

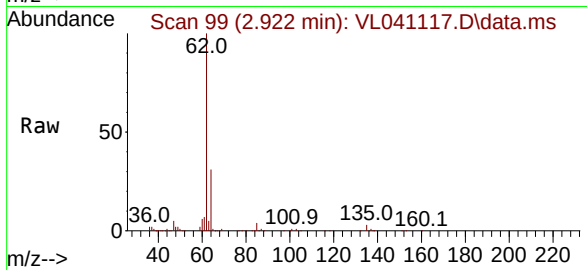
Tgt Ion: 50 Resp: 751229
Ion Ratio Lower Upper
50 100
52 32.2 26.6 40.0





#5
 Vinyl Chloride
 Concen: 10.627 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.003 min
 Lab File: VL041117.D
 Acq: 15 Mar 2024 9:15

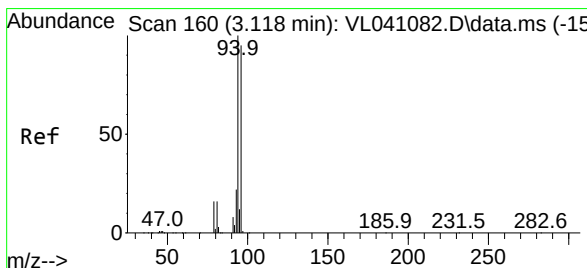
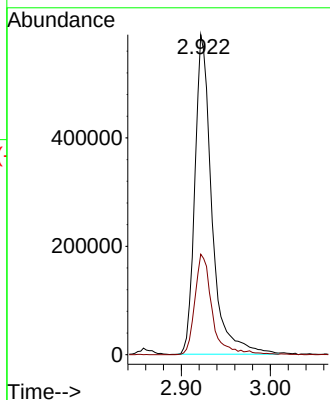
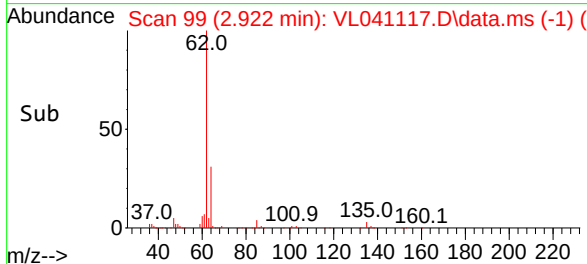
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



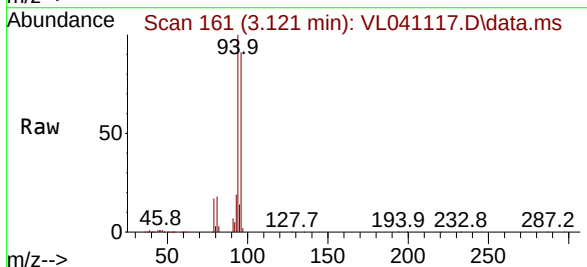
Tgt Ion: 62 Resp: 783658
 Ion Ratio Lower Upper
 62 100
 64 31.4 26.5 39.7

Manual Integrations
 APPROVED

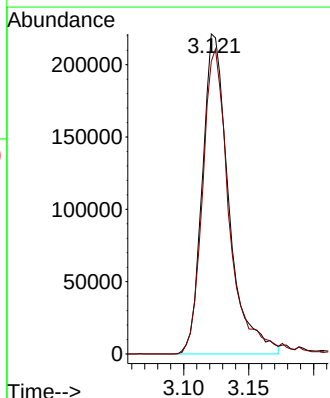
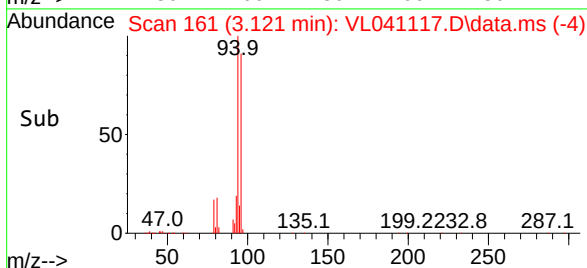
Reviewed By :Semsettin Yesilyurt 03/18/2024
 Supervised By :Mahesh Dadoda 03/18/2024

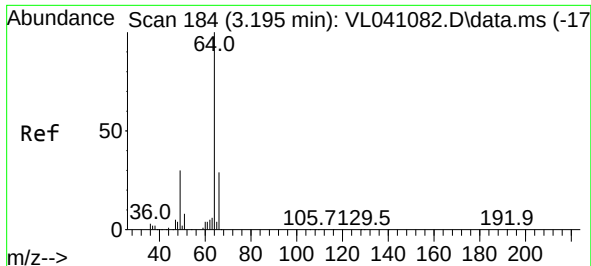


#6
 Bromomethane
 Concen: 10.725 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VL041117.D
 Acq: 15 Mar 2024 9:15



Tgt Ion: 94 Resp: 313648
 Ion Ratio Lower Upper
 94 100
 96 91.3 76.0 114.0





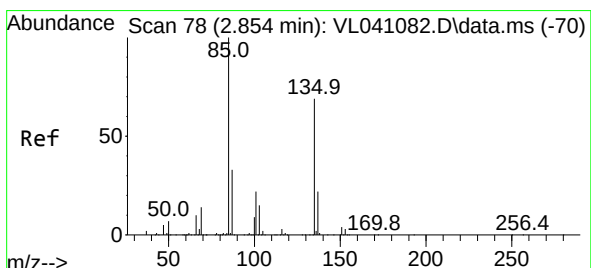
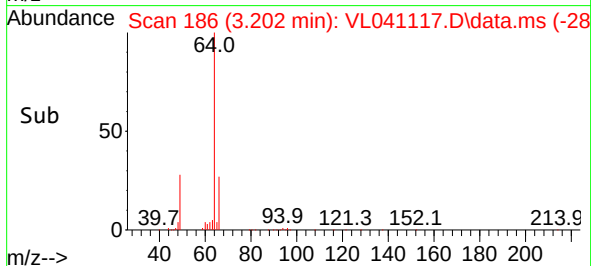
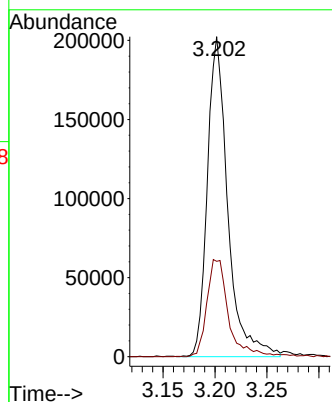
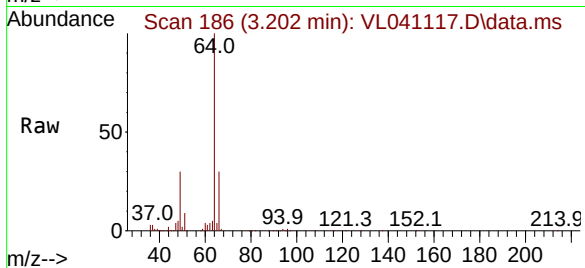
#7
Chloroethane
Concen: 10.754 ppbv
RT: 3.202 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 275364
Ion Ratio Lower Upper
64 100
66 29.8 23.2 34.8

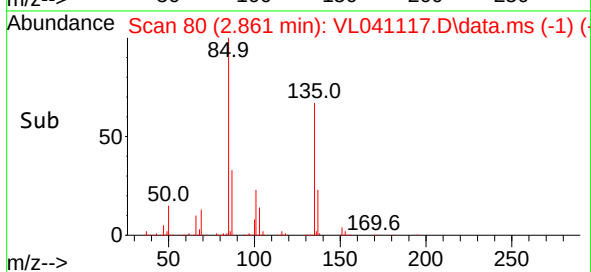
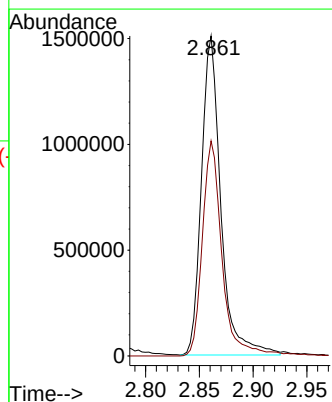
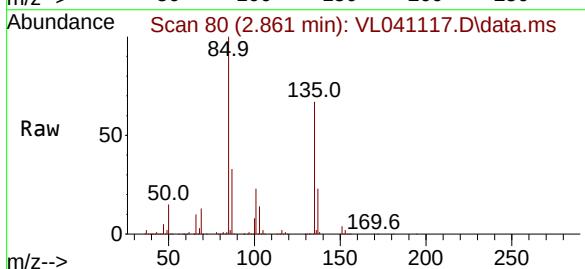
Manual Integrations
APPROVED

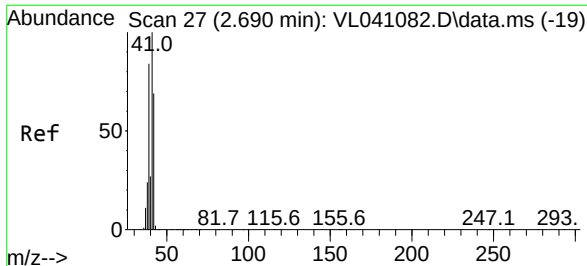
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#8
Dichlorotetrafluoroethane
Concen: 10.509 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

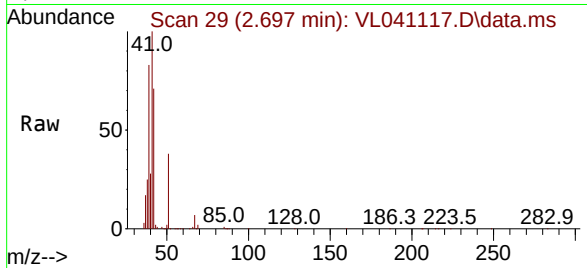
Tgt Ion: 85 Resp: 1895785
Ion Ratio Lower Upper
85 100
135 69.2 56.7 85.1





#9
Propene
Concen: 10.432 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

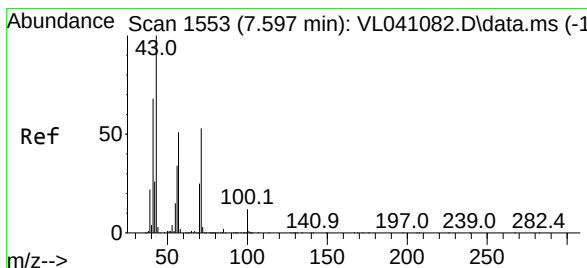
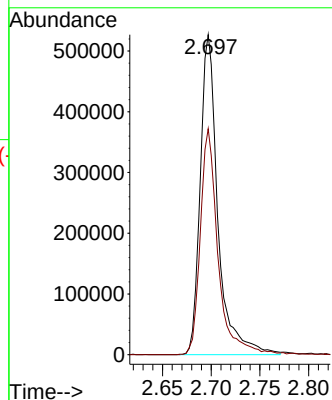
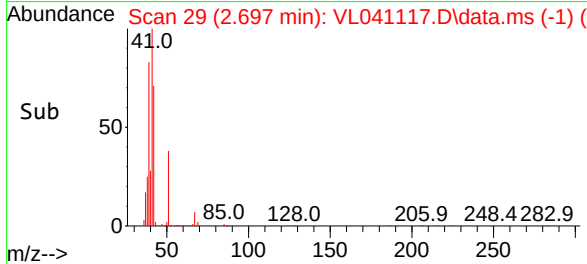
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 41 Resp: 66518
Ion Ratio Lower Upper
41 100
42 71.2 55.9 83.9

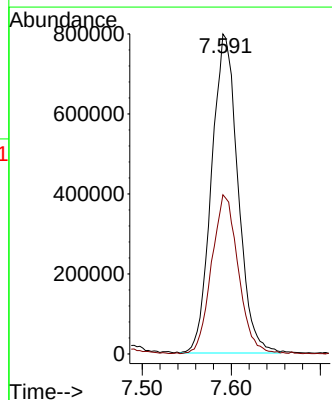
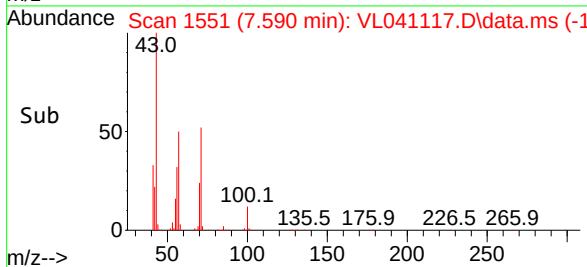
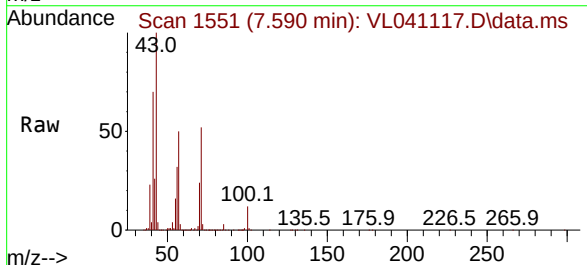
Manual Integrations
APPROVED

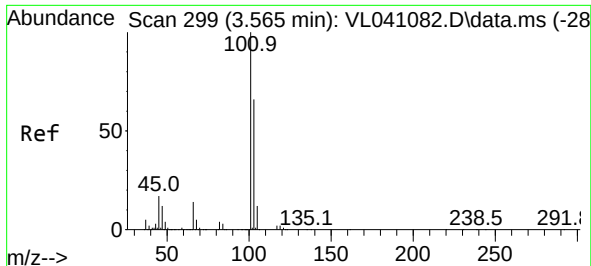
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#10
Heptane
Concen: 10.761 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. -0.006 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

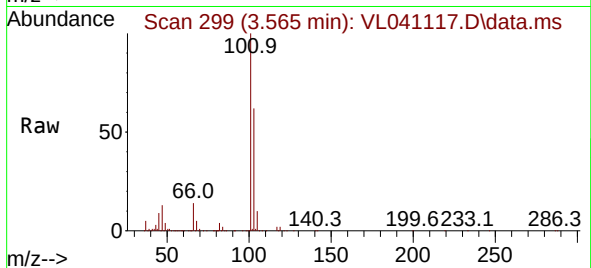
Tgt Ion: 43 Resp: 1641814
Ion Ratio Lower Upper
43 100
57 50.3 41.0 61.6





#11
Trichlorofluoromethane
Concen: 10.385 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

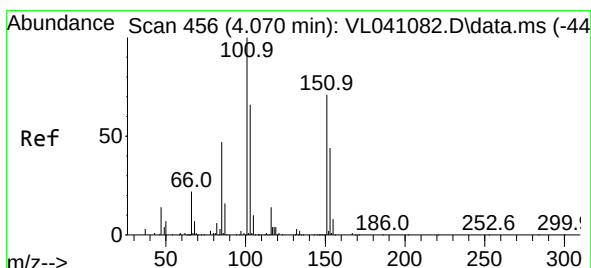
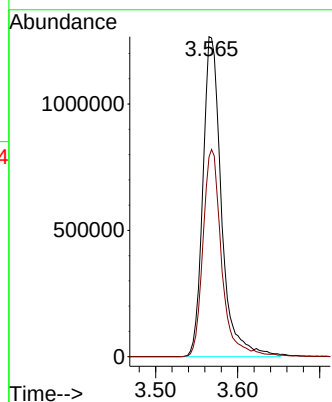
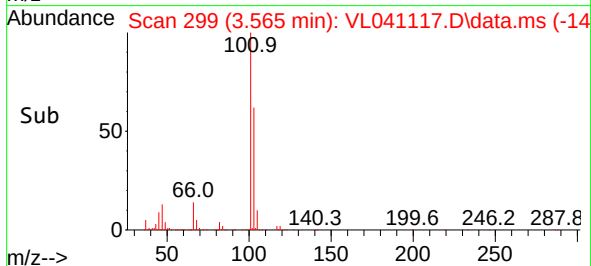
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



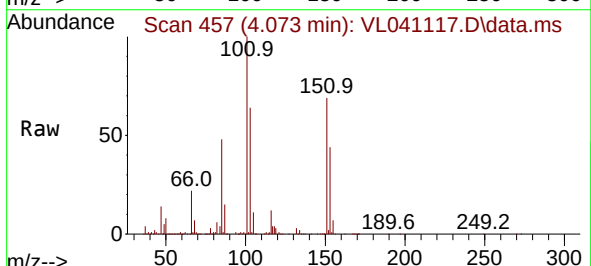
Tgt Ion:101 Resp: 1989314
Ion Ratio Lower Upper
101 100
103 62.4 53.0 79.4

Manual Integrations
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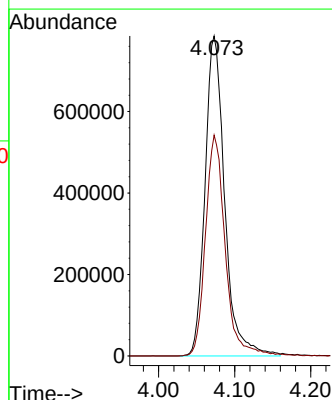
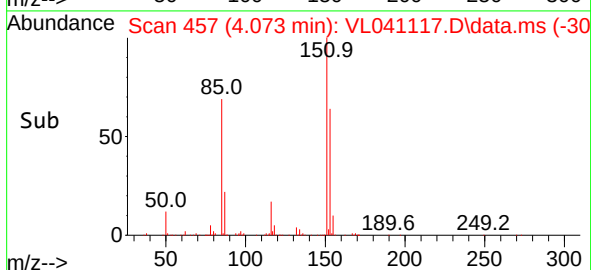
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

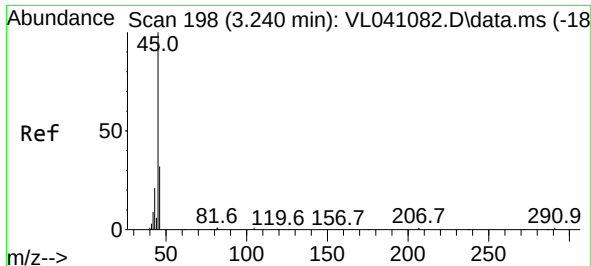


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.000 ppbv
RT: 4.073 min Scan# 457
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



Tgt Ion:101 Resp: 1408333
Ion Ratio Lower Upper
101 100
151 69.6 55.8 83.8





#13

Ethanol

Concen: 8.630 ppbv

RT: 3.240 min Scan# 198

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 146640

Ion Ratio Lower Upper

45 100

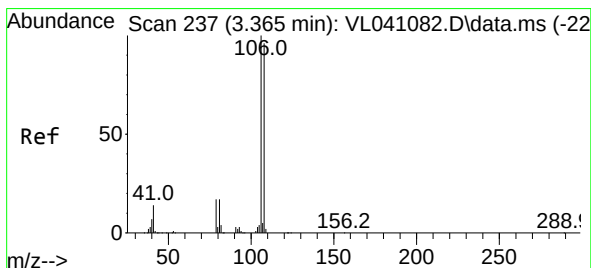
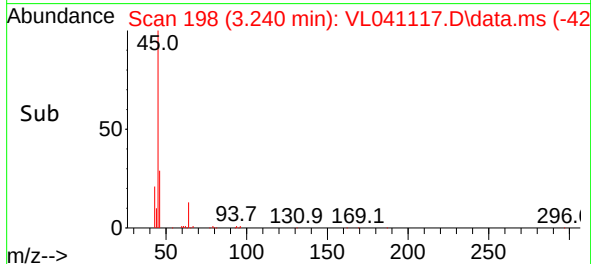
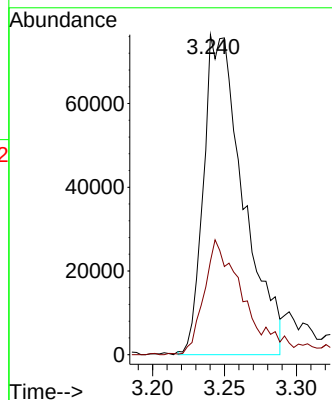
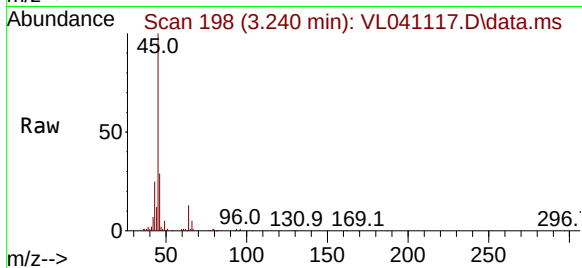
46 40.0 14.6 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#14

Bromoethene

Concen: 10.764 ppbv

RT: 3.372 min Scan# 239

Delta R.T. 0.007 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

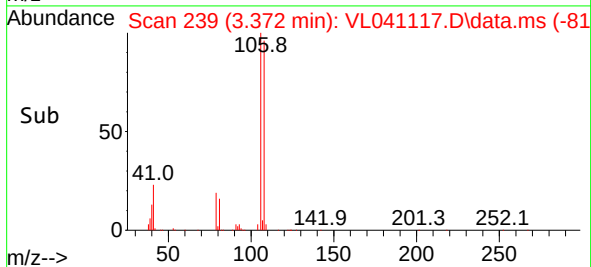
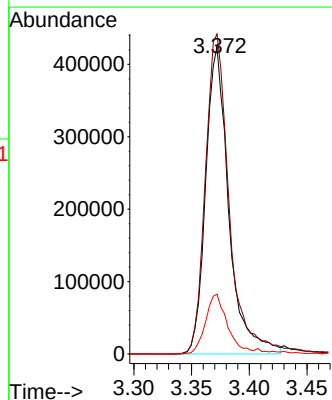
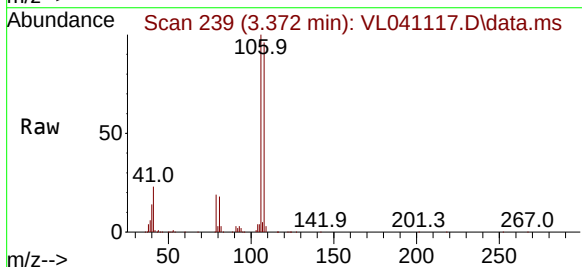
Tgt Ion:108 Resp: 591103

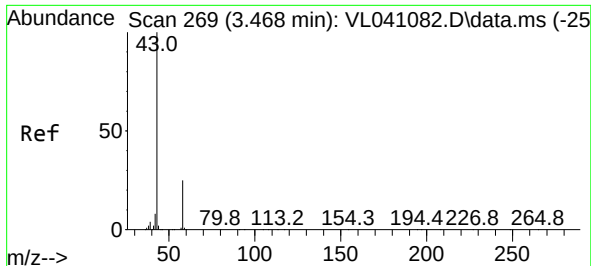
Ion Ratio Lower Upper

108 100

106 109.4 88.1 132.1

79 20.1 15.6 23.4





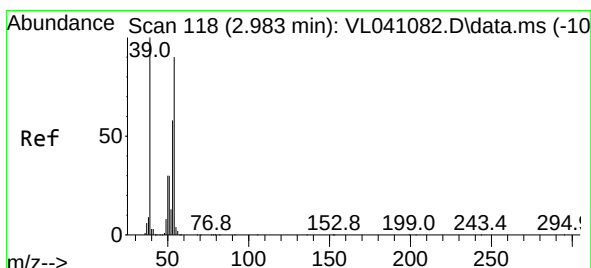
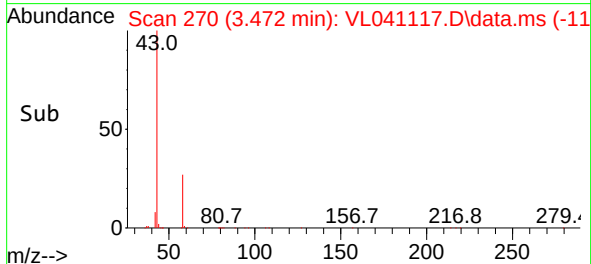
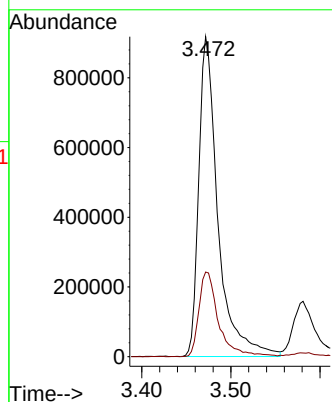
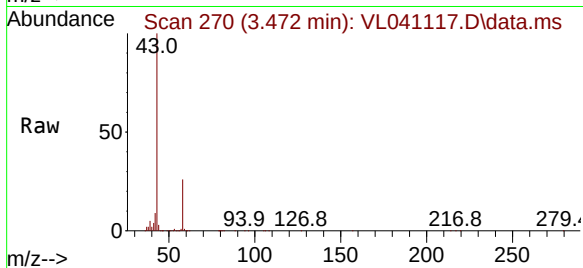
#15
Acetone
Concen: 9.254 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 137455
Ion Ratio Lower Upper
43 100
58 27.2 21.7 32.5

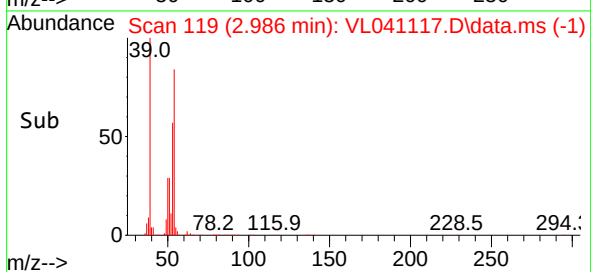
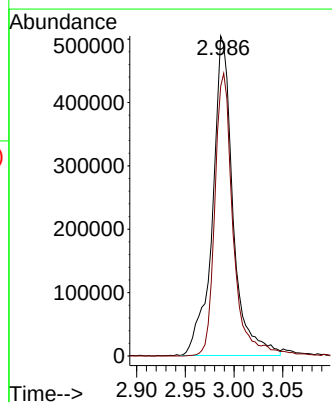
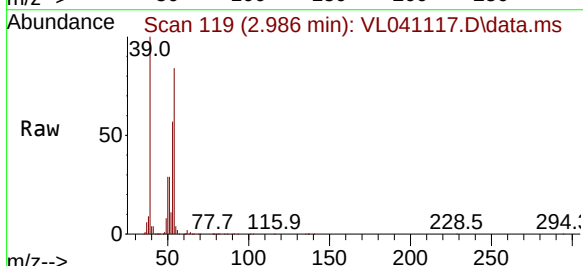
Manual Integrations
APPROVED

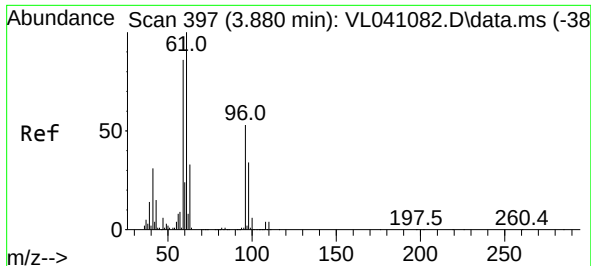
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#16
1,3-Butadiene
Concen: 10.975 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 39 Resp: 739460
Ion Ratio Lower Upper
39 100
54 79.7 64.0 96.0





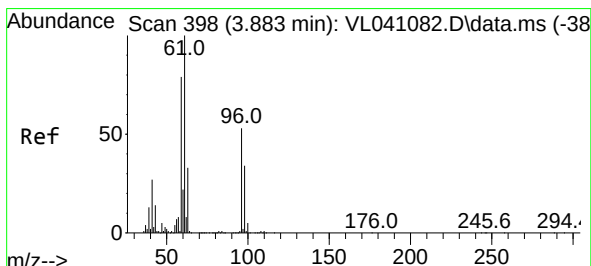
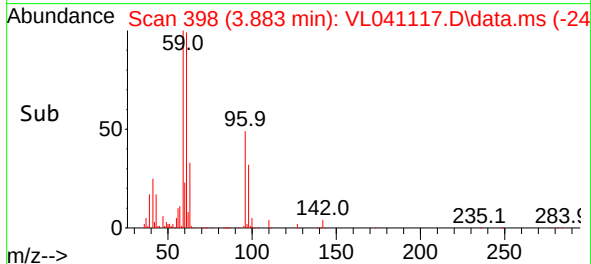
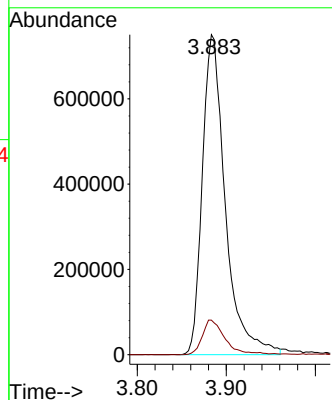
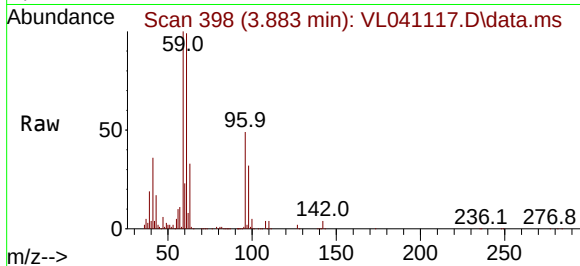
#17
tert-Butyl alcohol
Concen: 12.223 ppbv
RT: 3.883 min Scan# 397
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 134424
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.6

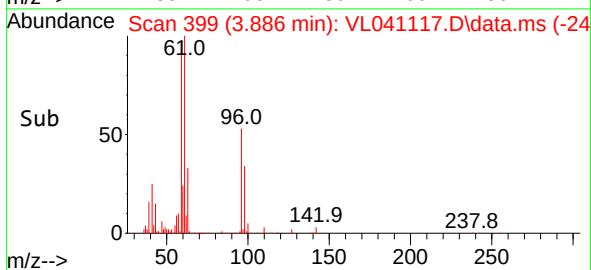
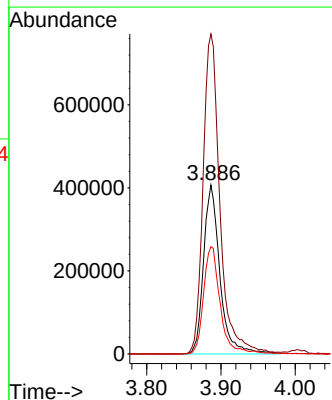
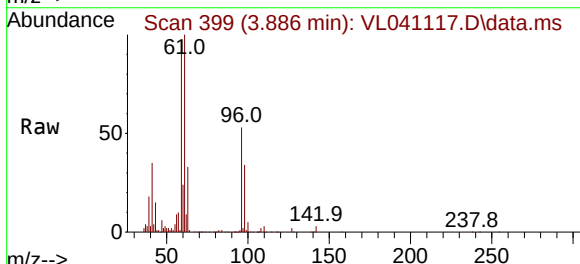
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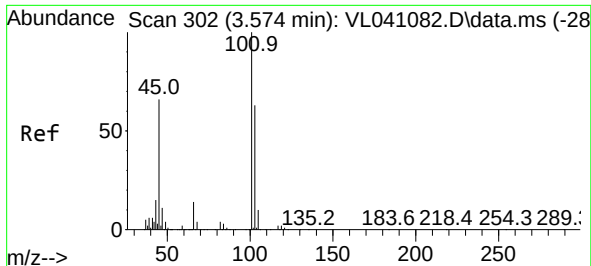
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#18
1,1-Dichloroethene
Concen: 10.157 ppbv
RT: 3.886 min Scan# 399
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 96 Resp: 624381
Ion Ratio Lower Upper
96 100
61 189.4 150.2 225.2
98 63.5 50.7 76.1





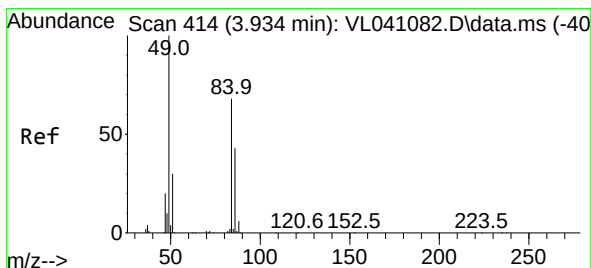
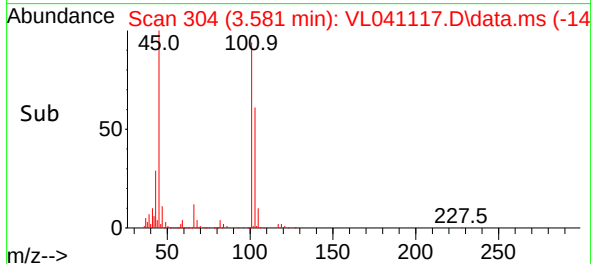
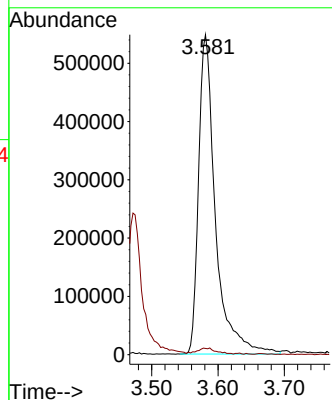
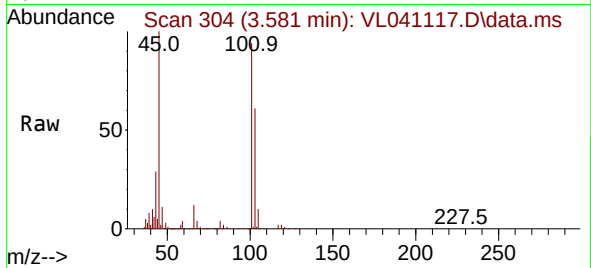
#19
Isopropyl Alcohol
Concen: 12.204 ppbv
RT: 3.581 min Scan# 302
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 968180
Ion Ratio Lower Upper
45 100
58 2.3 2.2 3.4

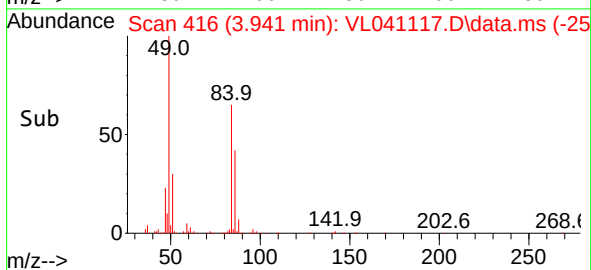
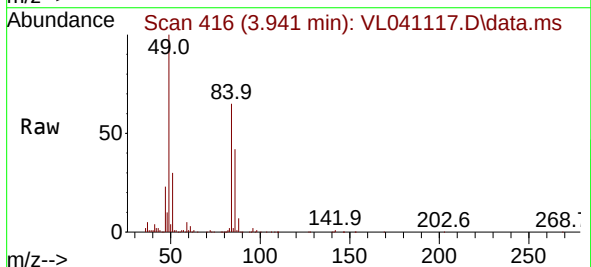
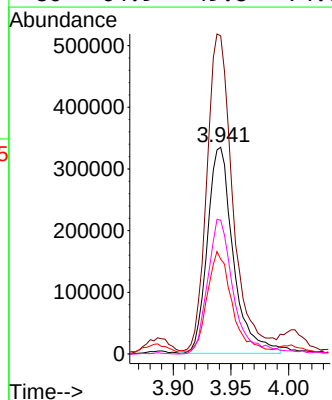
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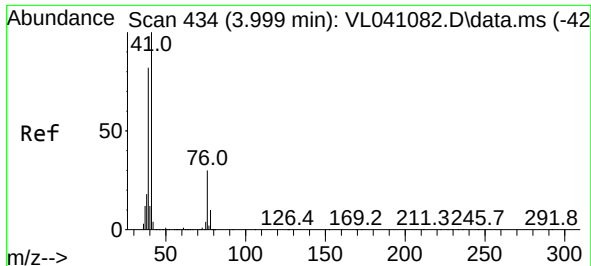
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#20
Methylene Chloride
Concen: 9.016 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 84 Resp: 522085
Ion Ratio Lower Upper
84 100
49 152.8 117.0 175.6
51 44.5 34.9 52.3
86 64.9 49.8 74.6





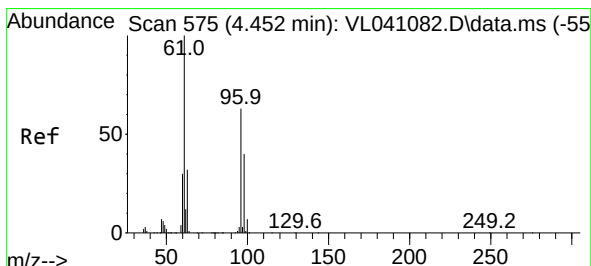
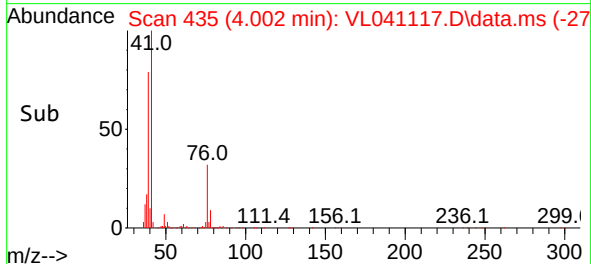
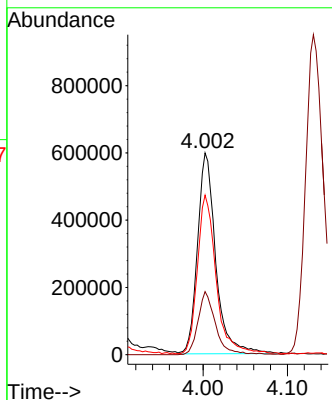
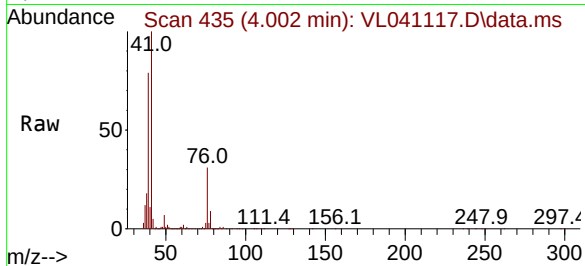
#21
 Allyl Chloride
 Concen: 10.765 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041117.D
 Acq: 15 Mar 2024 9:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 903015
 Ion Ratio Lower Upper
 41 100
 76 30.2 25.5 38.3
 39 81.3 67.4 101.2

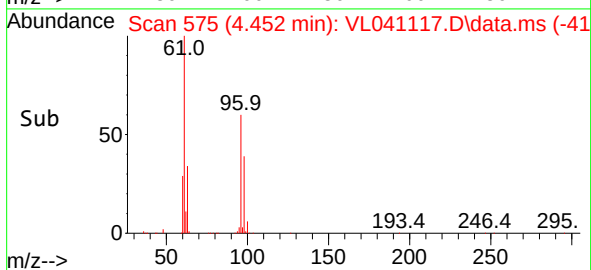
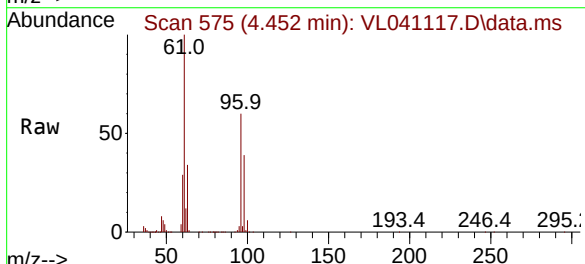
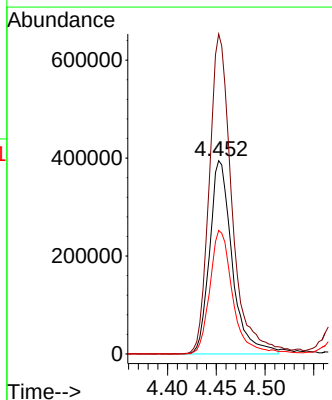
Manual Integrations
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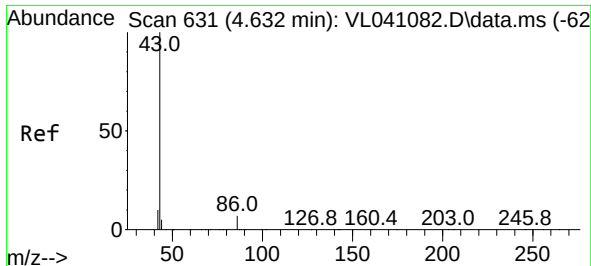
Reviewed By :Semsettin Yesilyurt 03/18/2024
 Supervised By :Mahesh Dadoda 03/18/2024



#22
 trans-1,2-Dichloroethene
 Concen: 8.875 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.000 min
 Lab File: VL041117.D
 Acq: 15 Mar 2024 9:15

Tgt Ion: 96 Resp: 636898
 Ion Ratio Lower Upper
 96 100
 61 165.5 126.7 190.1
 98 63.9 50.1 75.1





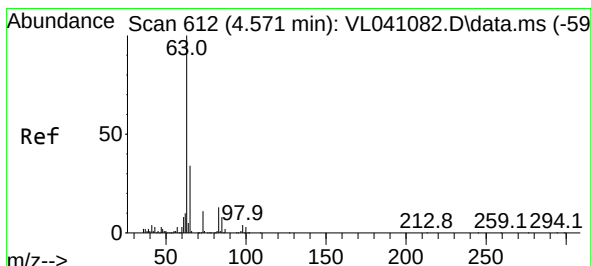
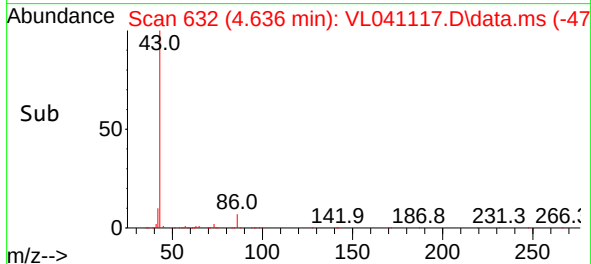
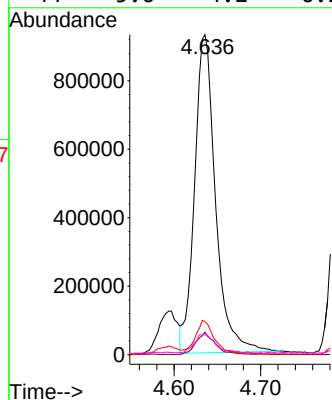
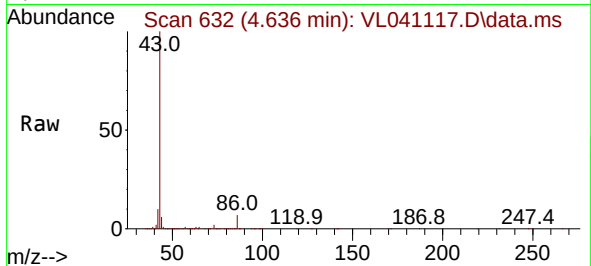
#23
 Vinyl Acetate
 Concen: 9.296 ppbv
 RT: 4.636 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL041117.D
 Acq: 15 Mar 2024 9:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 156246
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.4 8.2
 42 10.2 8.0 12.0
 44 5.6 4.2 6.2

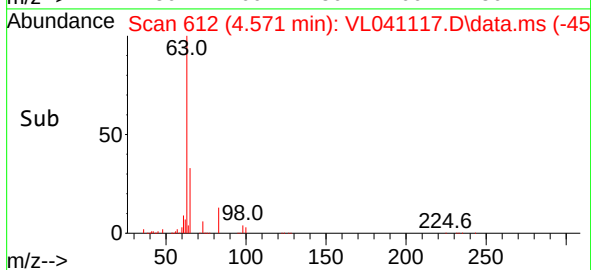
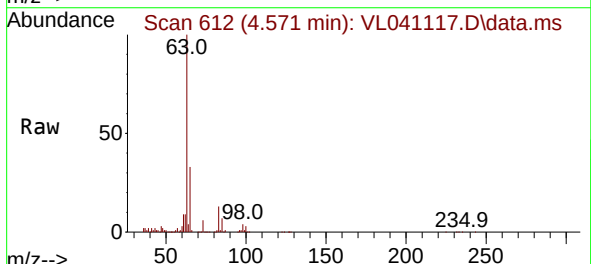
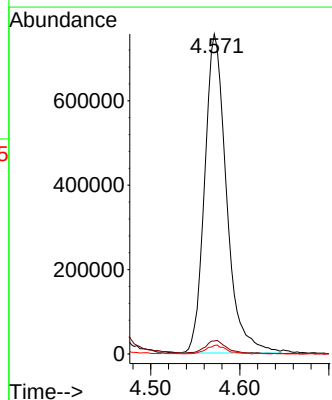
Manual Integrations
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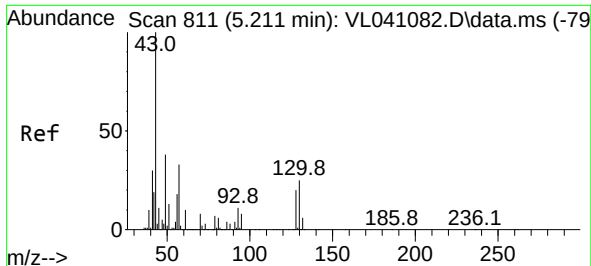
Reviewed By :Semsettin Yesilyurt 03/18/2024
 Supervised By :Mahesh Dadoda 03/18/2024



#24
 1,1-Dichloroethane
 Concen: 8.474 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041117.D
 Acq: 15 Mar 2024 9:15

Tgt Ion: 63 Resp: 1286662
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.1 6.5
 100 2.6 1.4 4.2





#25

Ethyl Acetate

Concen: 10.407 ppbv

RT: 5.214 min Scan# 811

Delta R.T. 0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2784928

Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.2

61 10.0 8.2 12.2

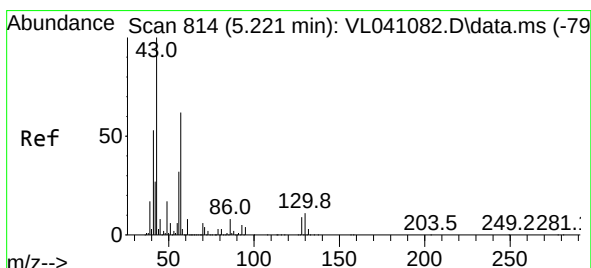
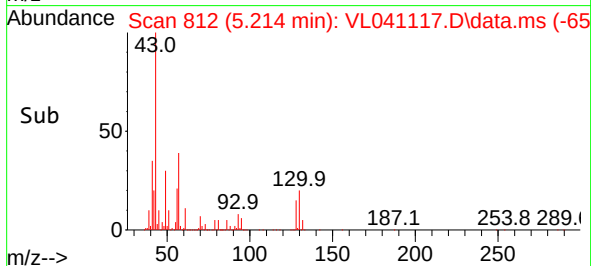
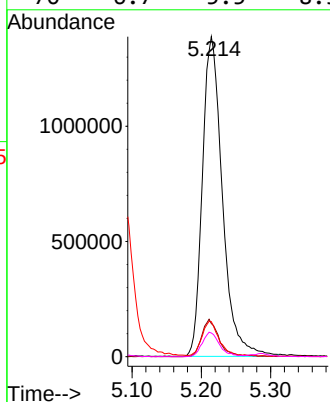
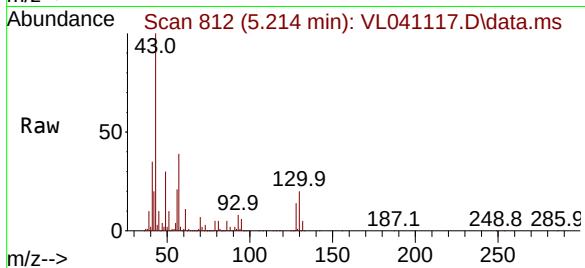
70 6.7 5.5 8.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#26

Hexane

Concen: 9.964 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Tgt Ion: 57 Resp: 1191631

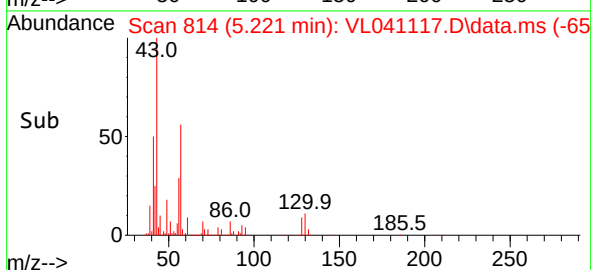
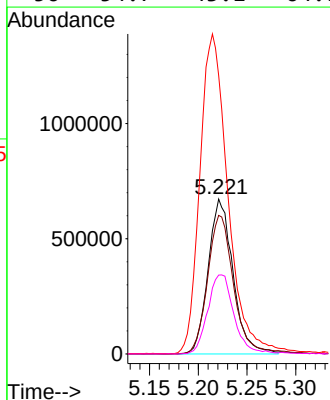
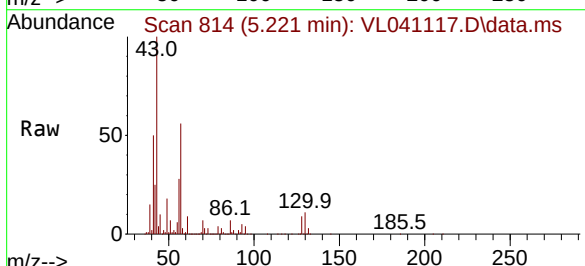
Ion Ratio Lower Upper

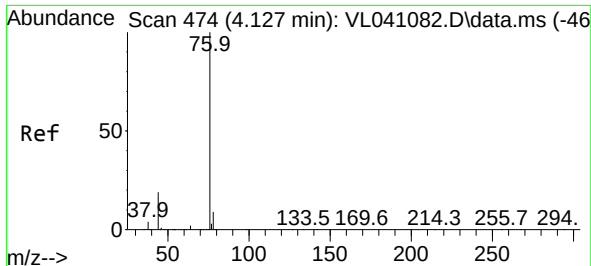
57 100

41 95.1 73.8 110.6

43 235.6 184.2 276.2

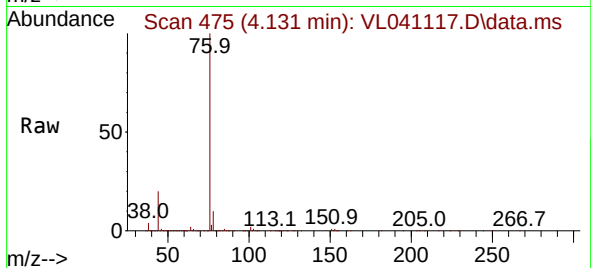
56 54.7 43.1 64.7





#27
Carbon Disulfide
Concen: 10.674 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

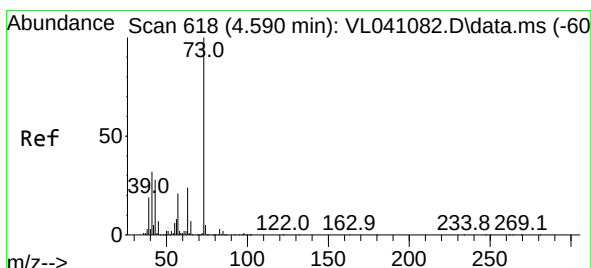
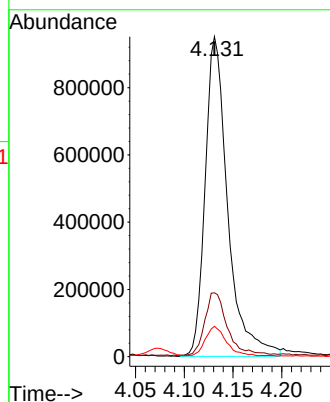
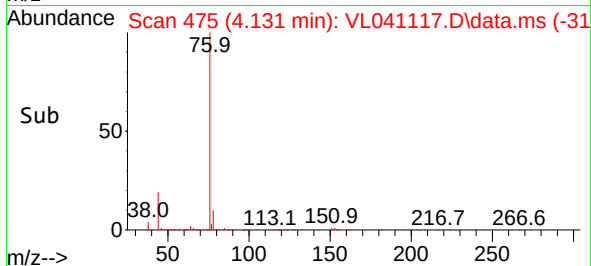
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 76 Resp: 1530320
Ion Ratio Lower Upper
76 100
44 20.3 16.0 24.0
78 9.8 7.5 11.3

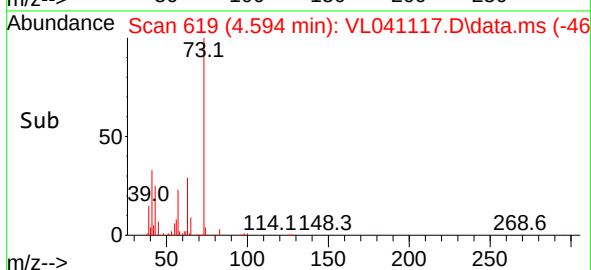
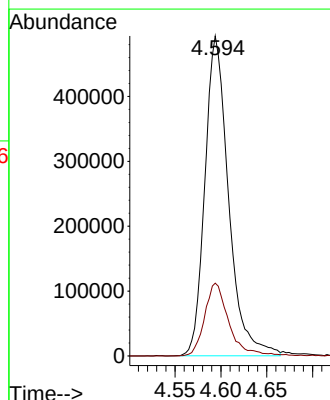
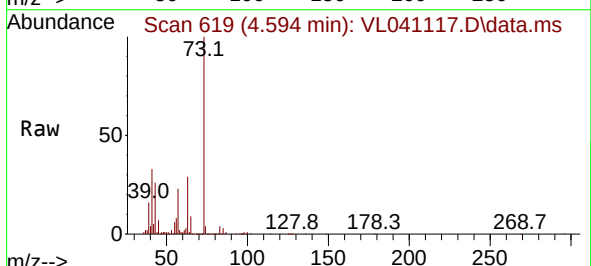
Manual Integrations
APPROVED

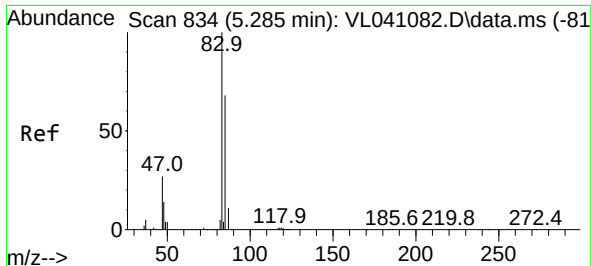
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#28
Methyl tert-Butyl Ether
Concen: 8.378 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 73 Resp: 885940
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.4





#29

Chloroform

Concen: 10.068 ppbv

RT: 5.285 min Scan# 834

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 2050600

Ion Ratio Lower Upper

83 100

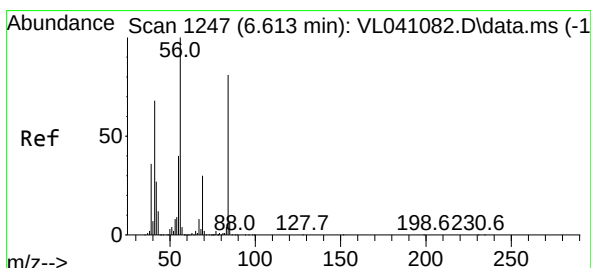
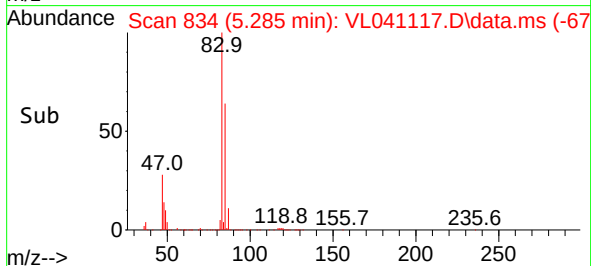
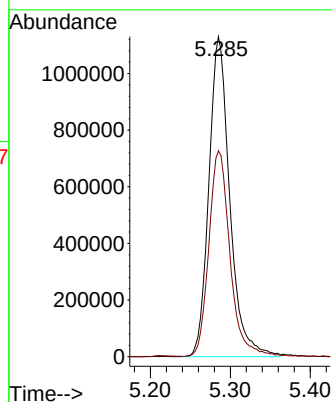
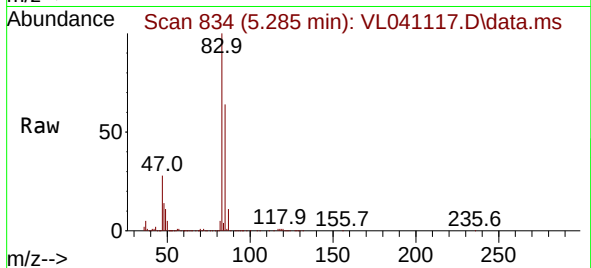
85 64.1 54.6 82.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#30

Cyclohexane

Concen: 10.250 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

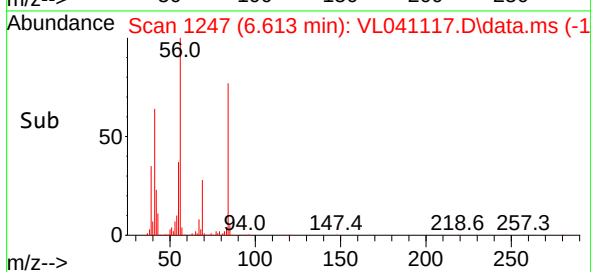
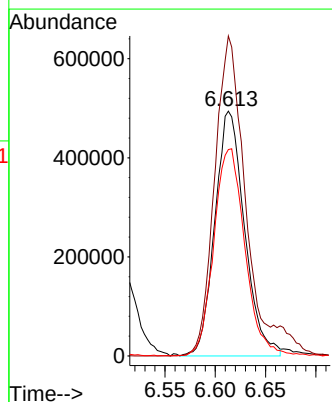
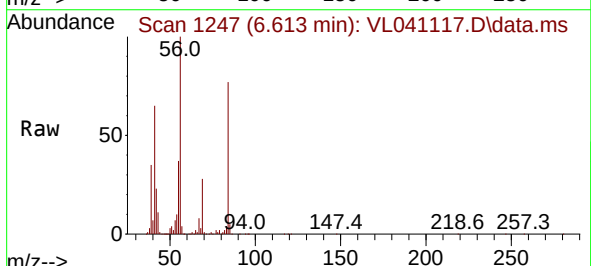
Tgt Ion: 84 Resp: 1015830

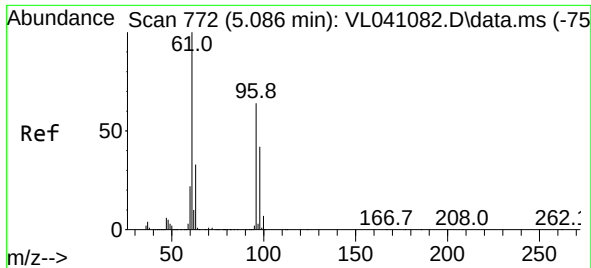
Ion Ratio Lower Upper

84 100

56 139.1 110.4 165.6

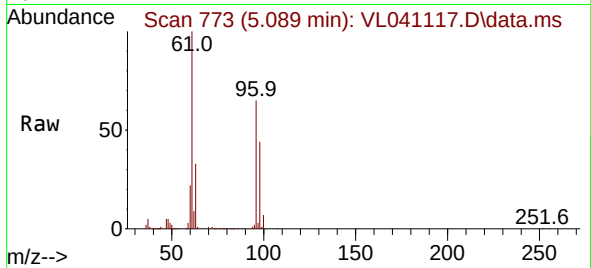
41 88.7 70.6 105.8





#31
cis-1,2-Dichloroethene
Concen: 10.356 ppbv
RT: 5.089 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

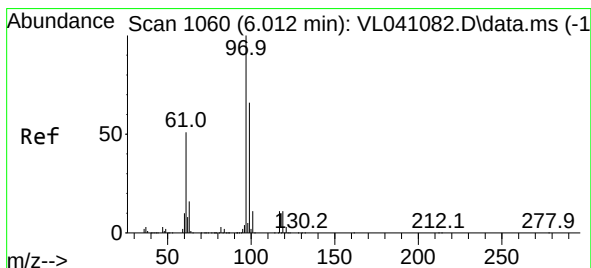
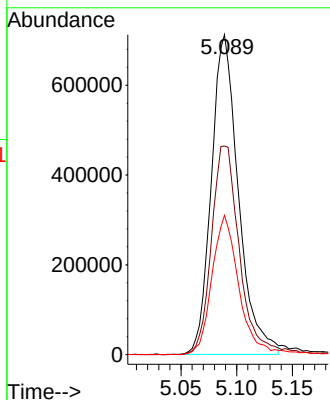
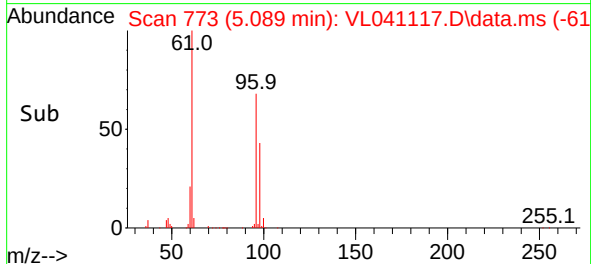
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



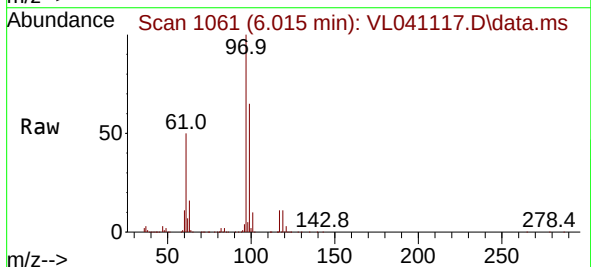
Tgt Ion: 61 Resp: 120570
Ion Ratio Lower Upper
61 100
96 65.2 51.2 76.8
98 43.6 33.4 50.0

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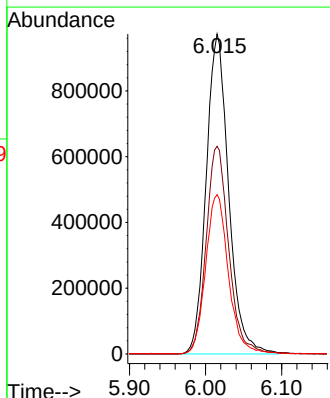
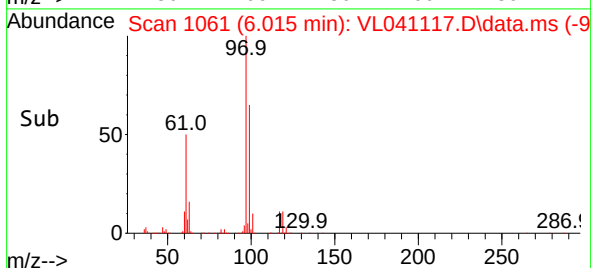
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

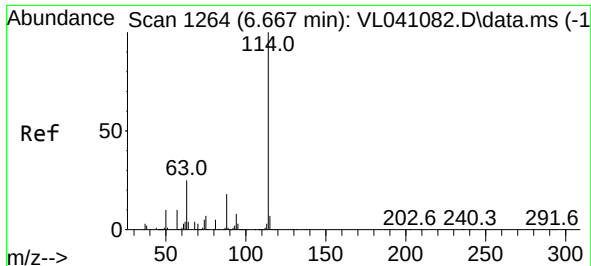


#32
1,1,1-Trichloroethane
Concen: 10.821 ppbv
RT: 6.015 min Scan# 1061
Delta R.T. 0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



Tgt Ion: 97 Resp: 1995967
Ion Ratio Lower Upper
97 100
99 65.3 52.4 78.6
61 50.9 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.665 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:114 Resp: 3314520

Ion Ratio Lower Upper

114 100

63 25.4 21.0 31.6

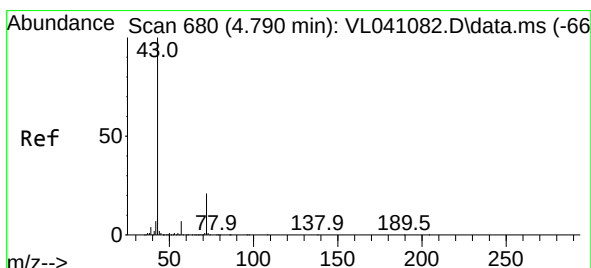
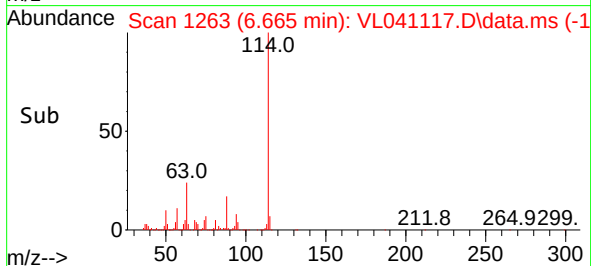
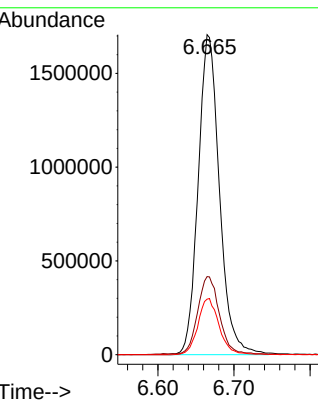
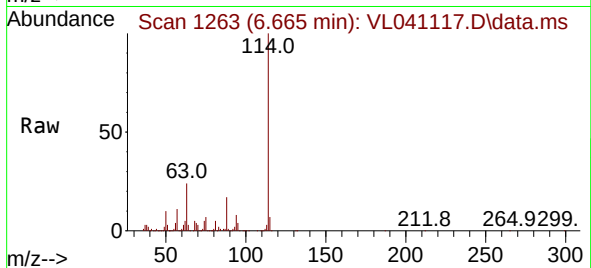
88 17.5 14.6 22.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#34

2-Butanone

Concen: 8.751 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL041117.D

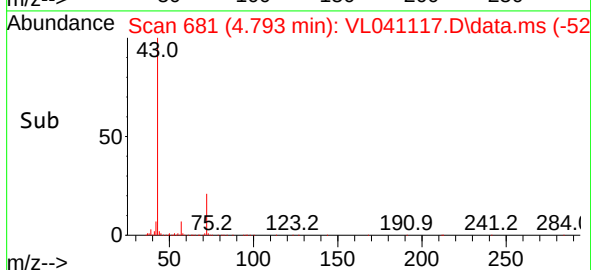
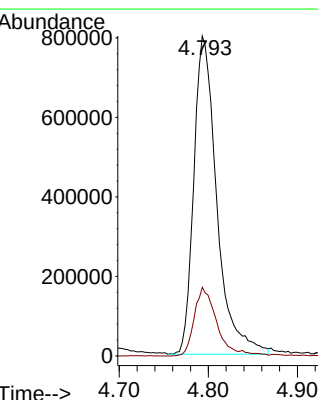
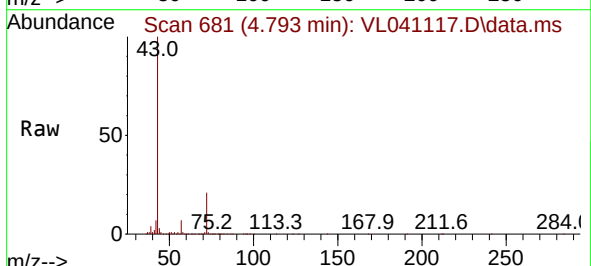
Acq: 15 Mar 2024 9:15

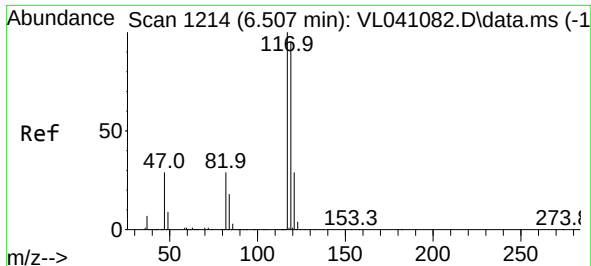
Tgt Ion: 43 Resp: 1436142

Ion Ratio Lower Upper

43 100

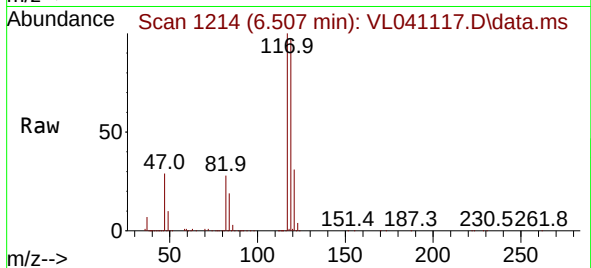
72 21.5 17.4 26.0





#35
Carbon Tetrachloride
Concen: 10.968 ppbv
RT: 6.507 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

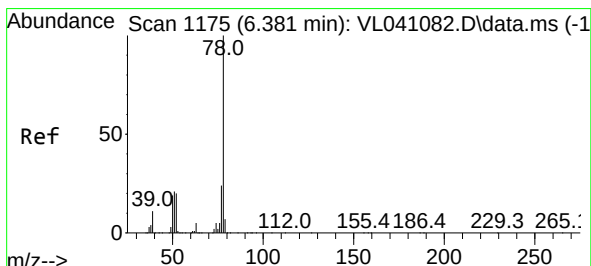
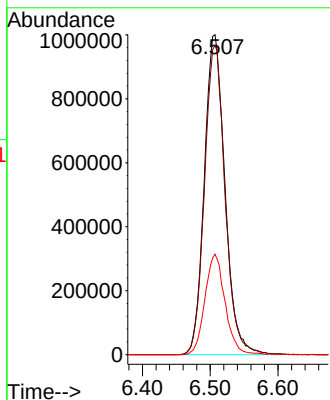
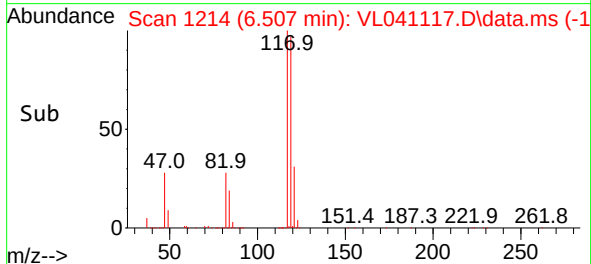
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



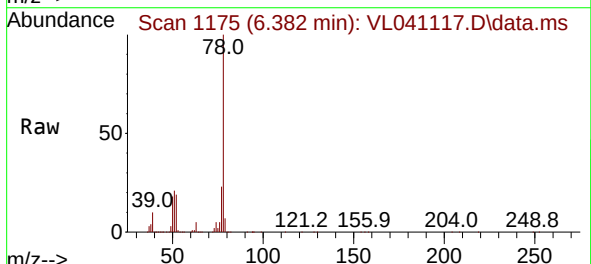
Tgt Ion:117 Resp: 2124500
Ion Ratio Lower Upper
117 100
119 96.6 75.6 113.4
121 31.4 23.4 35.2

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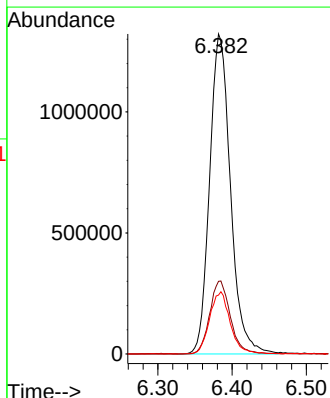
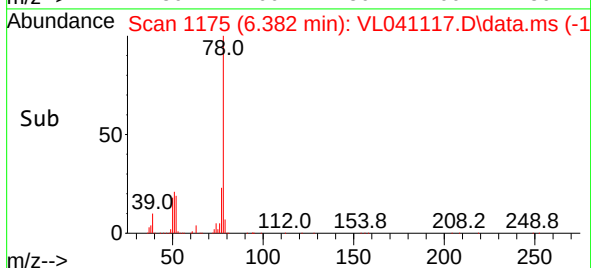
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

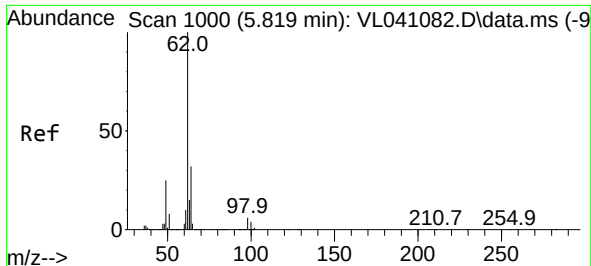


#36
Benzene
Concen: 10.453 ppbv
RT: 6.382 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



Tgt Ion: 78 Resp: 2578900
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2
50 18.4 15.5 23.3





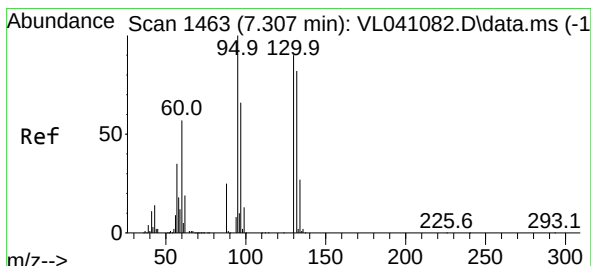
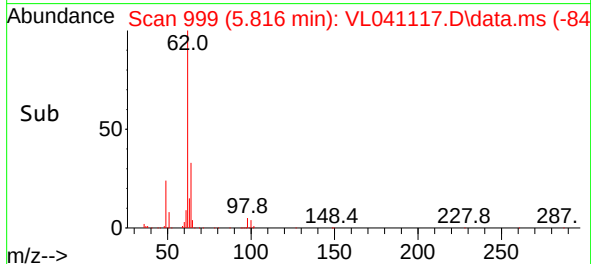
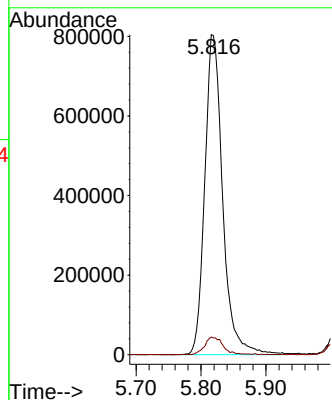
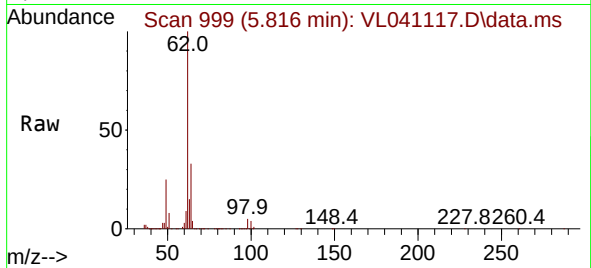
#37
1,2-Dichloroethane
Concen: 10.391 ppbv
RT: 5.816 min Scan# 999
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 154239
Ion Ratio Lower Upper
62 100
98 5.8 4.6 6.8

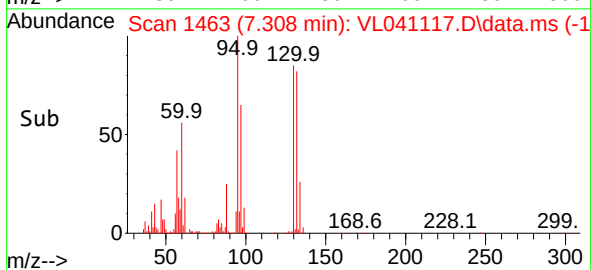
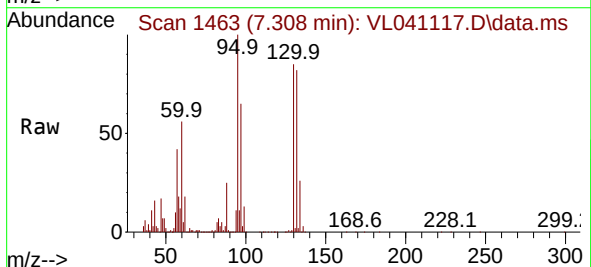
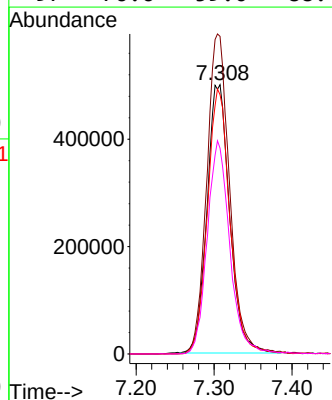
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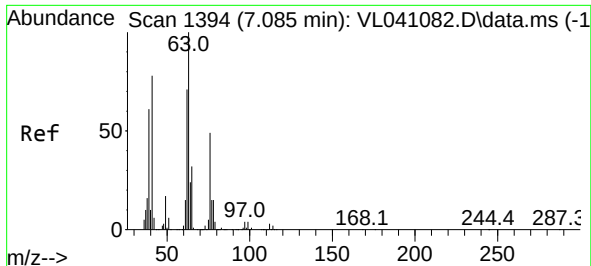
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#38
Trichloroethene
Concen: 11.295 ppbv
RT: 7.308 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion:130 Resp: 1012135
Ion Ratio Lower Upper
130 100
95 118.2 88.8 133.2
132 96.5 73.0 109.4
97 76.6 59.0 88.4





#39

1,2-Dichloropropane

Concen: 10.153 ppbv

RT: 7.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 63 Resp: 100204

Ion Ratio Lower Upper

63 100

41 75.5 62.2 93.4

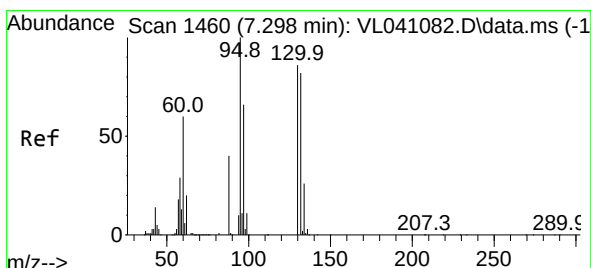
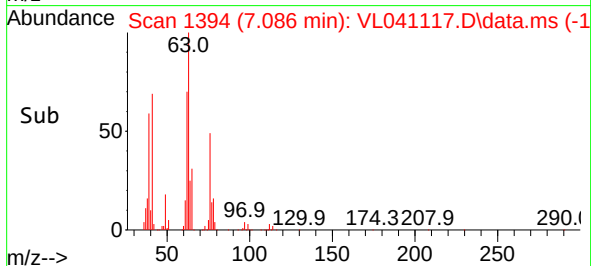
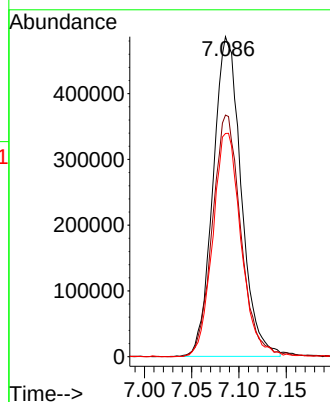
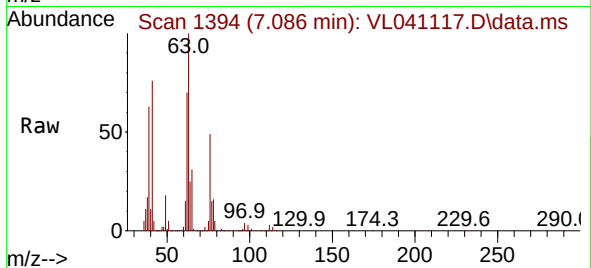
62 69.7 57.0 85.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#40

1,4-Dioxane

Concen: 10.046 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Tgt Ion: 88 Resp: 390345

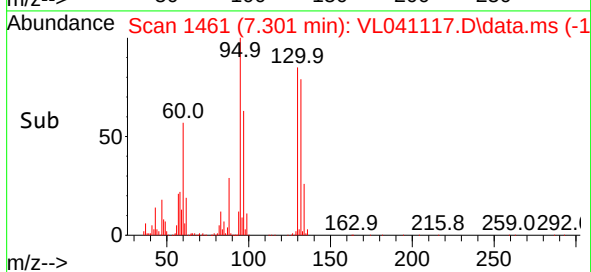
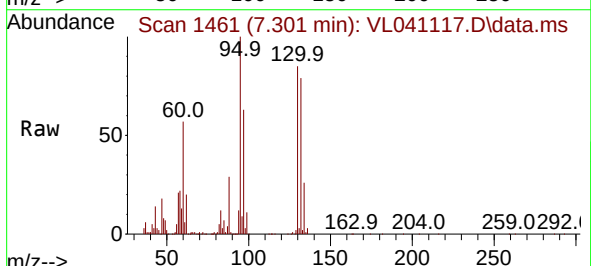
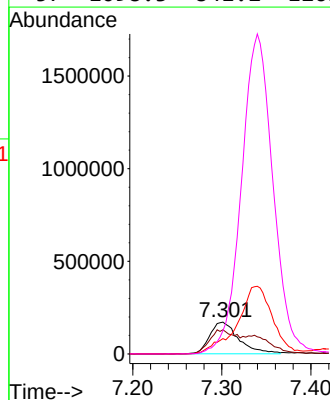
Ion Ratio Lower Upper

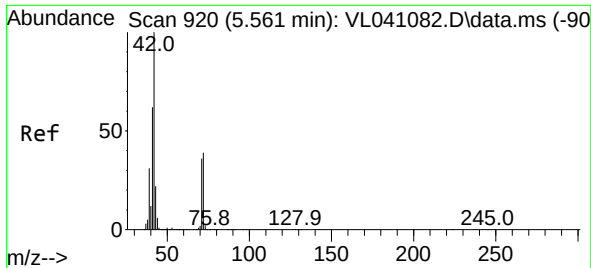
88 100

58 127.4 96.3 144.5

43 255.7 195.7 293.5

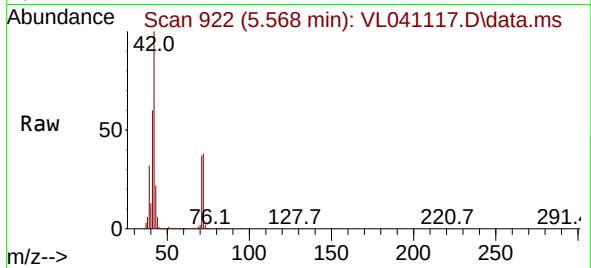
57 1098.3 841.2 1261.8





#41
Tetrahydrofuran
Concen: 10.473 ppbv
RT: 5.568 min Scan# 911
Delta R.T. 0.007 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

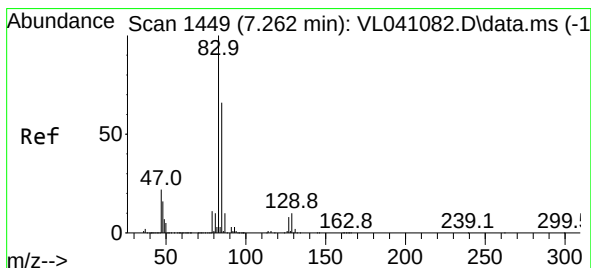
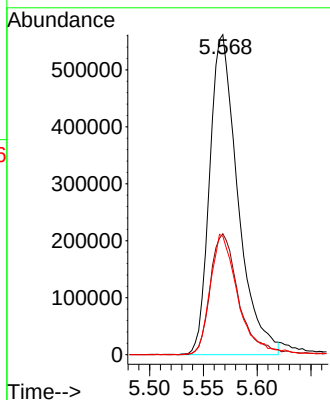
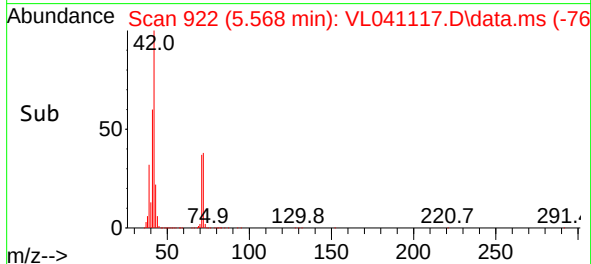
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



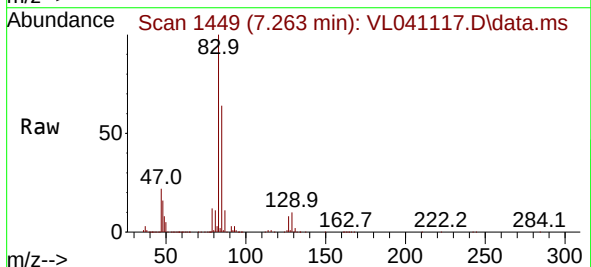
Tgt Ion: 42 Resp: 102287
Ion Ratio Lower Upper
42 100
72 39.0 30.7 46.1
71 37.7 29.6 44.4

Manual Integrations
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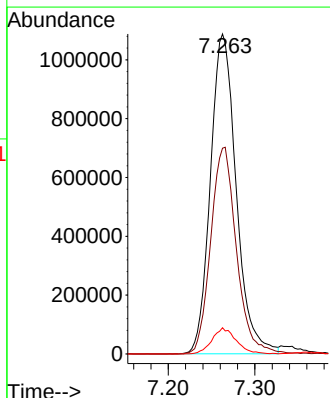
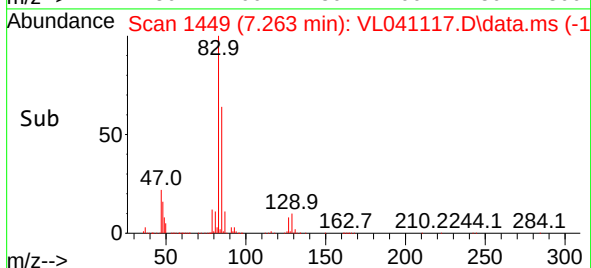
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

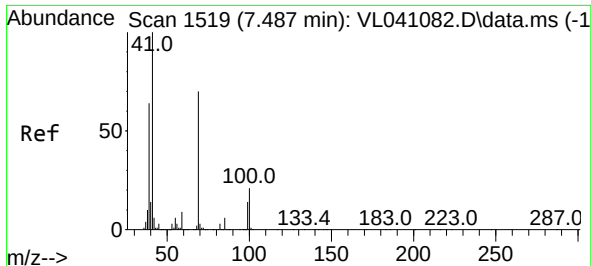


#42
Bromodichloromethane
Concen: 10.591 ppbv
RT: 7.263 min Scan# 1449
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



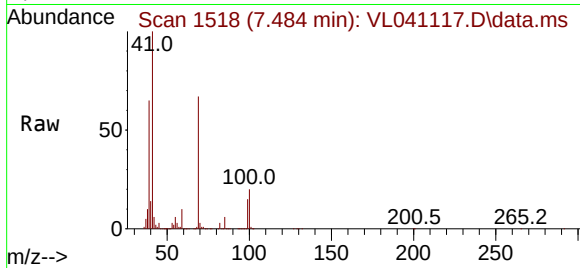
Tgt Ion: 83 Resp: 2252290
Ion Ratio Lower Upper
83 100
85 64.3 53.1 79.7
127 8.2 6.2 9.4





#43
Methyl Methacrylate
Concen: 11.236 ppbv
RT: 7.484 min Scan# 1519
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

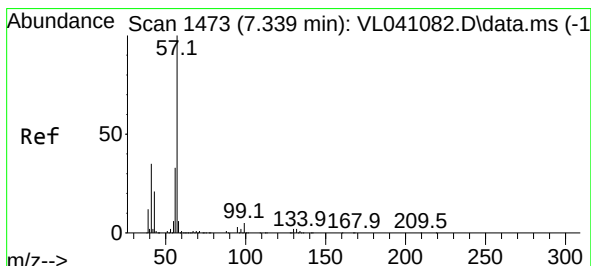
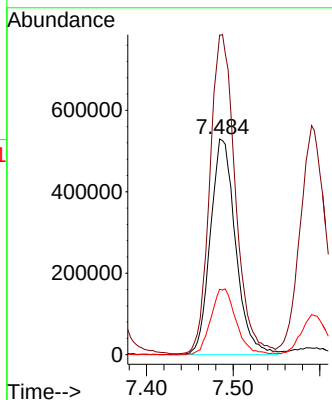
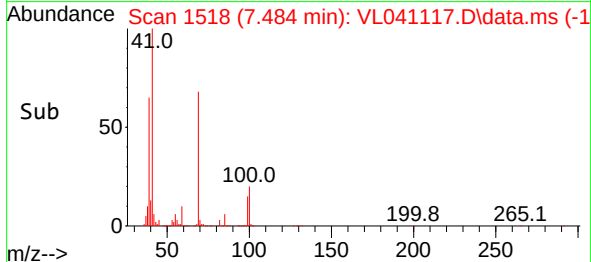
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 69 Resp: 1072294
Ion Ratio Lower Upper
69 100
41 150.1 118.2 177.4
100 30.5 24.8 37.2

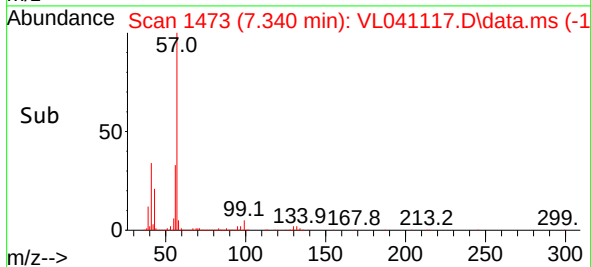
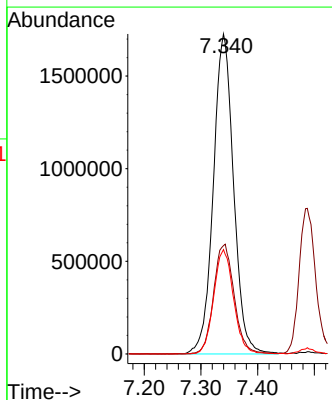
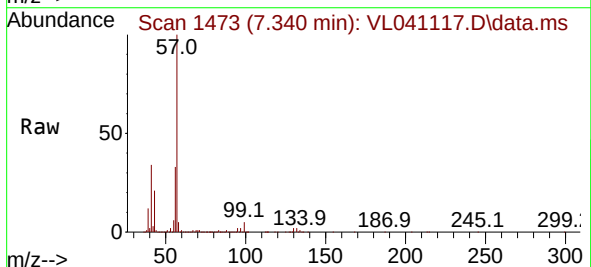
Manual Integrations
APPROVED

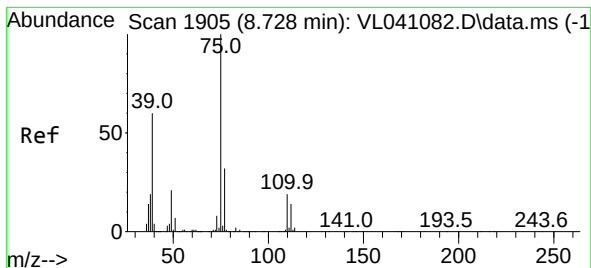
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#44
2,2,4-Trimethylpentane
Concen: 10.388 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 57 Resp: 4280041
Ion Ratio Lower Upper
57 100
41 34.9 28.0 42.0
56 32.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.159 ppbv

RT: 8.722 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 798769

Ion Ratio Lower Upper

75 100

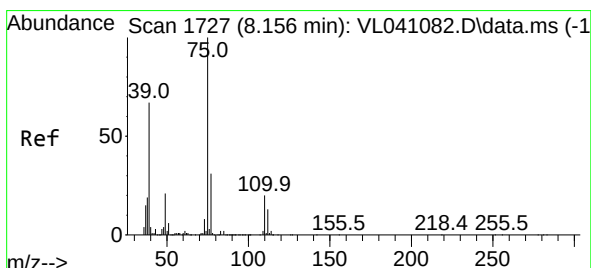
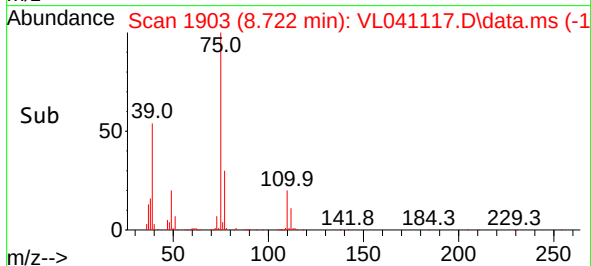
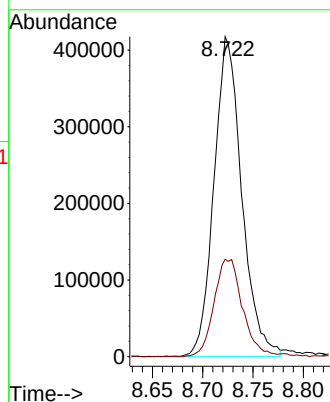
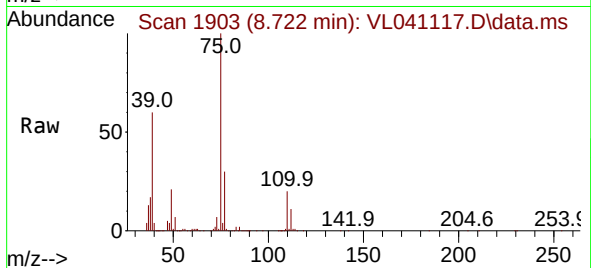
77 30.5 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#46

cis-1,3-Dichloropropene

Concen: 11.557 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

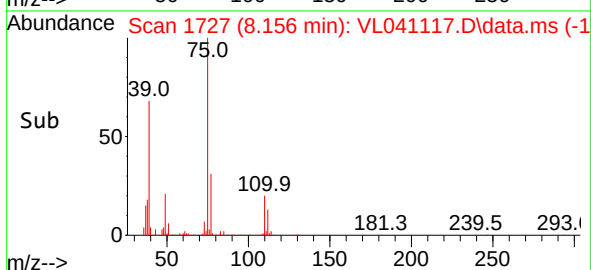
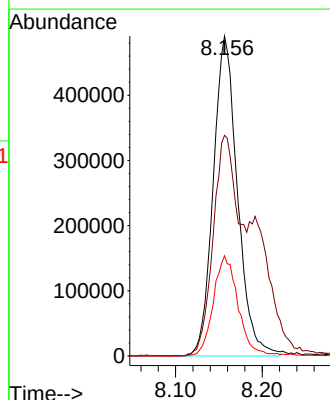
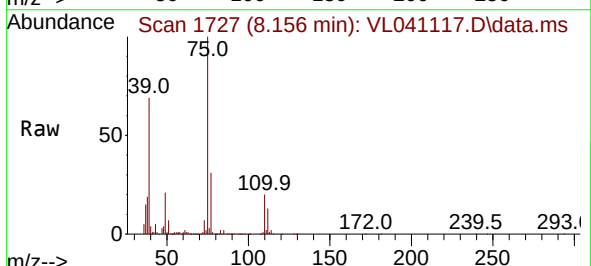
Tgt Ion: 75 Resp: 953426

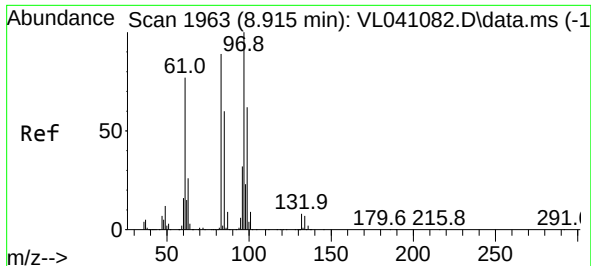
Ion Ratio Lower Upper

75 100

39 68.8 53.3 79.9

77 31.3 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 10.506 ppbv

RT: 8.912 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VL041117.D

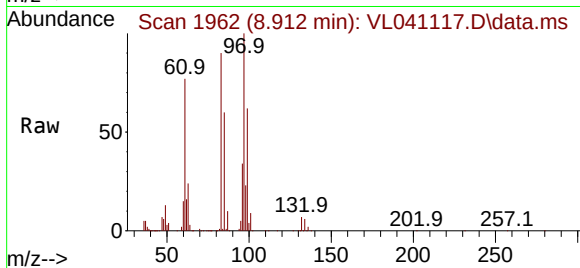
Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 97 Resp: 110598

Ion Ratio Lower Upper

97 100

83 90.3 71.1 106.7

85 59.5 48.2 72.2

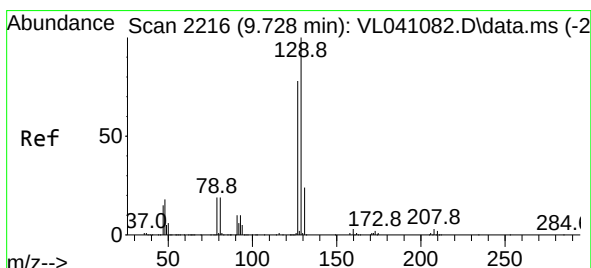
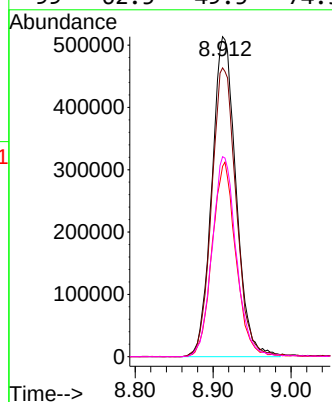
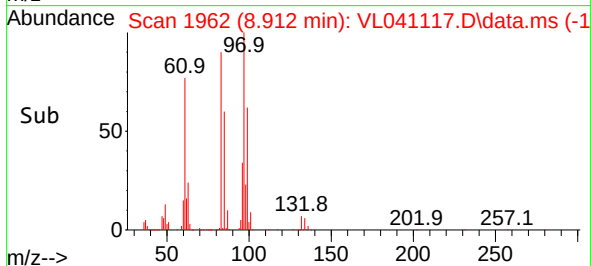
99 62.5 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#48

Dibromochloromethane

Concen: 11.055 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. -0.003 min

Lab File: VL041117.D

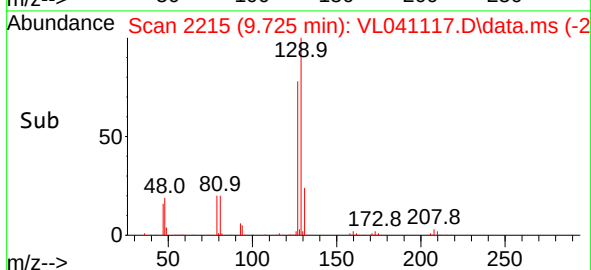
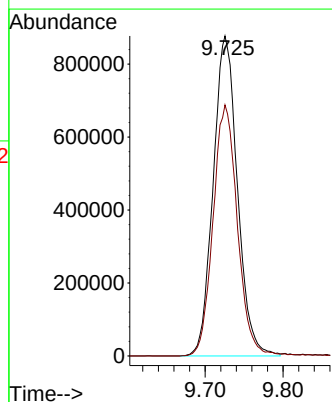
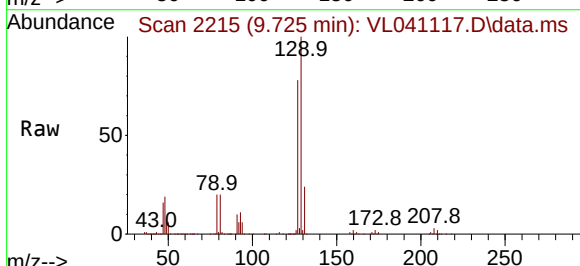
Acq: 15 Mar 2024 9:15

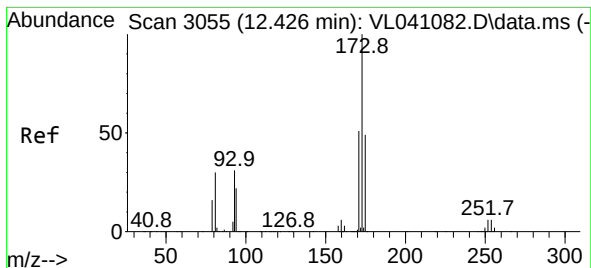
Tgt Ion:129 Resp: 1896865

Ion Ratio Lower Upper

129 100

127 79.2 39.6 118.8





#49

Bromoform

Concen: 11.494 ppbv

RT: 12.423 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 156870

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

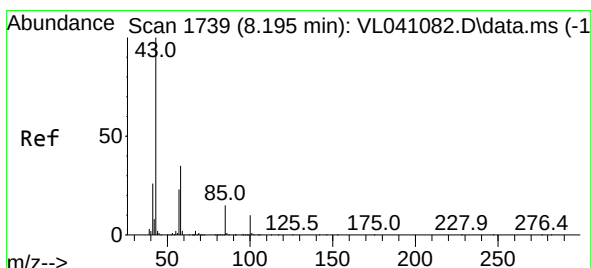
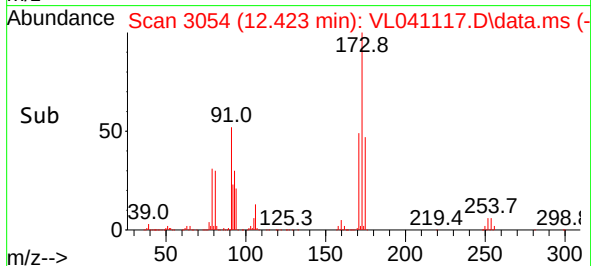
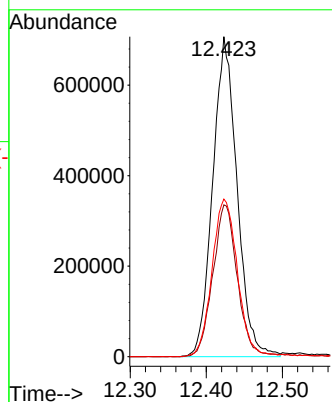
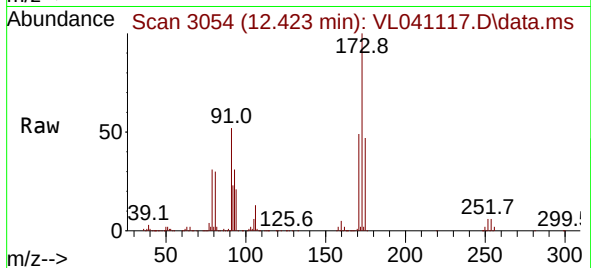
171 52.3 41.8 62.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#50

4-Methyl-2-Pentanone

Concen: 11.191 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.000 min

Lab File: VL041117.D

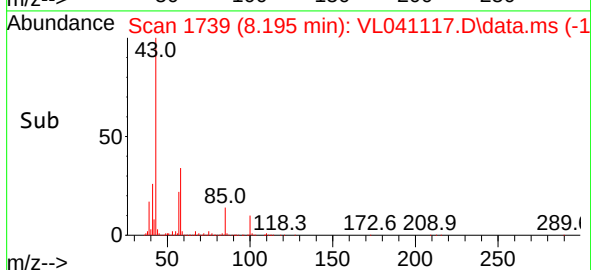
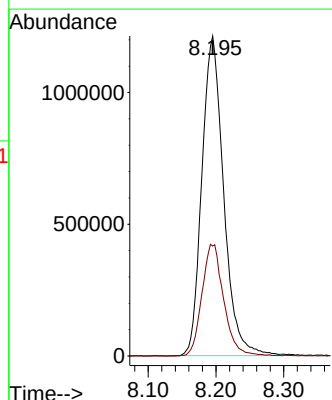
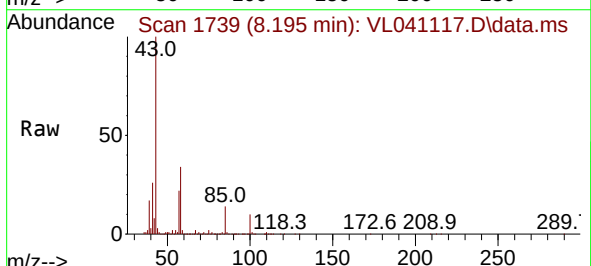
Acq: 15 Mar 2024 9:15

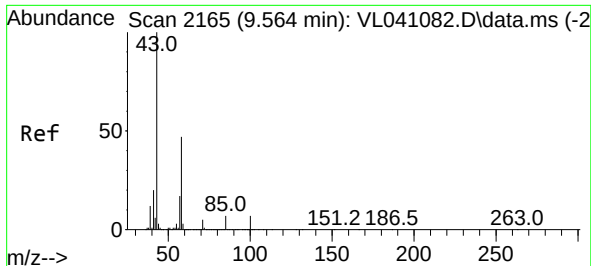
Tgt Ion: 43 Resp: 2708553

Ion Ratio Lower Upper

43 100

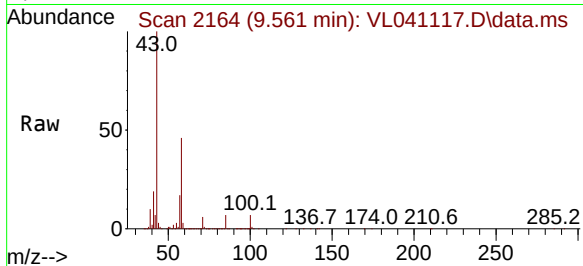
58 34.9 28.3 42.5





#51
2-Hexanone
Concen: 11.057 ppbv
RT: 9.561 min Scan# 2165
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

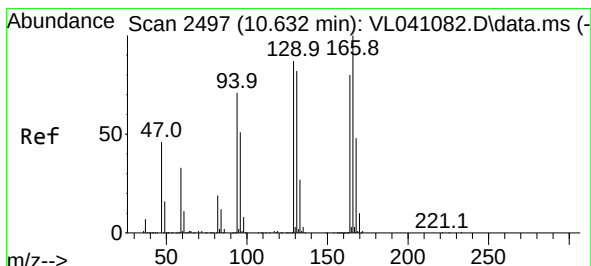
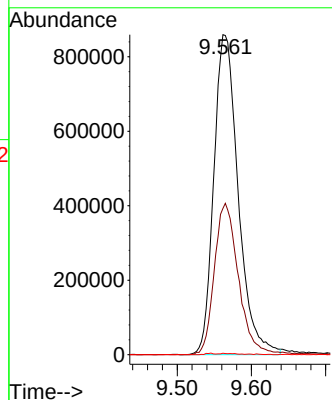
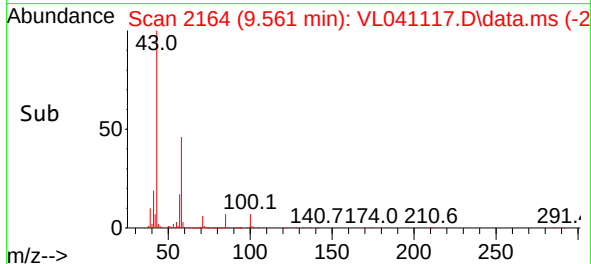
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 1960349
Ion Ratio Lower Upper
43 100
58 47.1 37.4 56.2
98 0.6 0.4 0.6

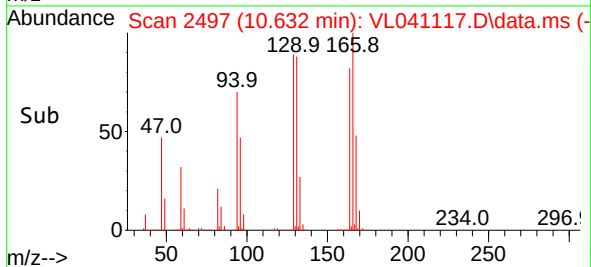
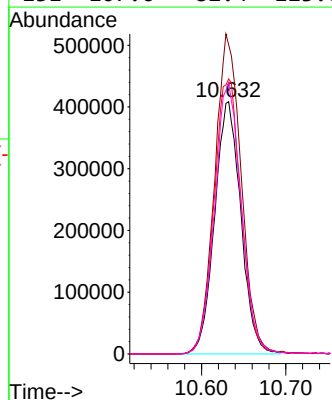
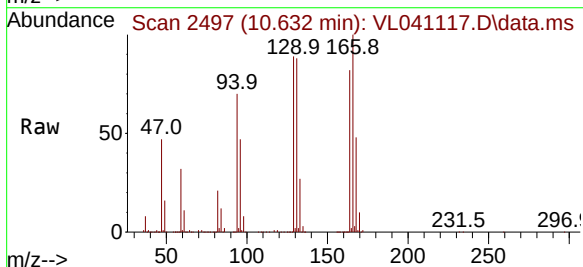
Manual Integrations
APPROVED

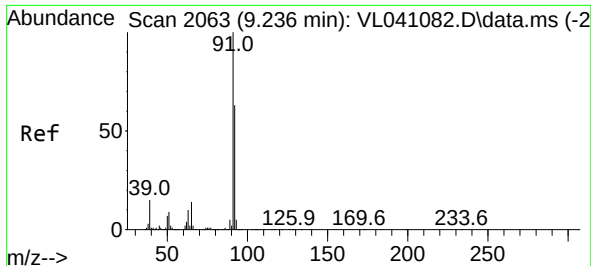
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#52
Tetrachloroethene
Concen: 11.511 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion:164 Resp: 880894
Ion Ratio Lower Upper
164 100
166 122.4 100.6 150.8
129 108.9 87.2 130.8
131 107.6 82.4 123.6





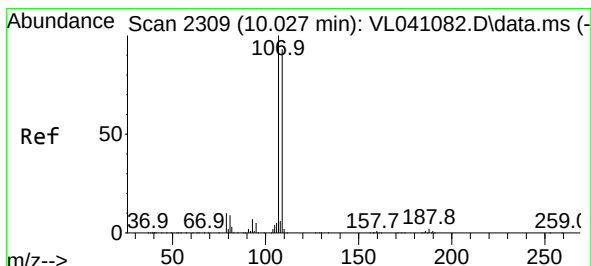
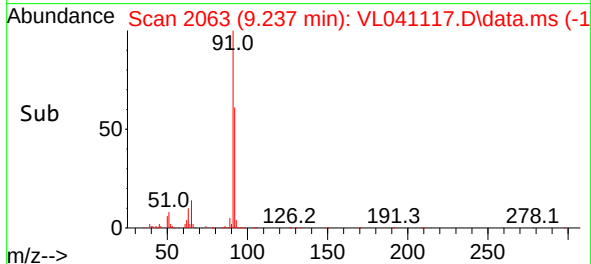
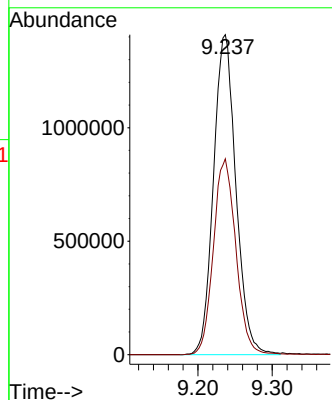
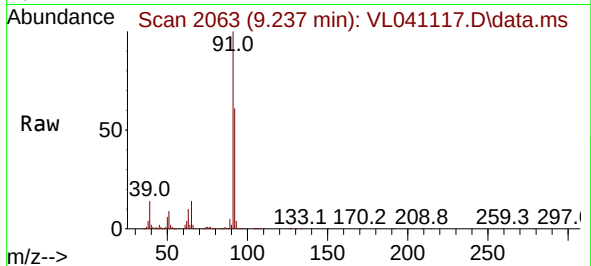
#53
Toluene
Concen: 11.142 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2963120
Ion Ratio Lower Upper
91 100
92 61.4 48.9 73.3

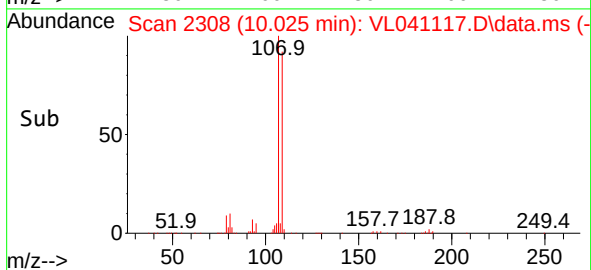
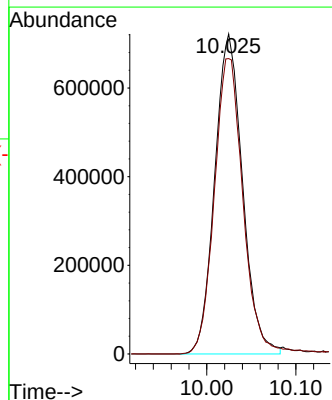
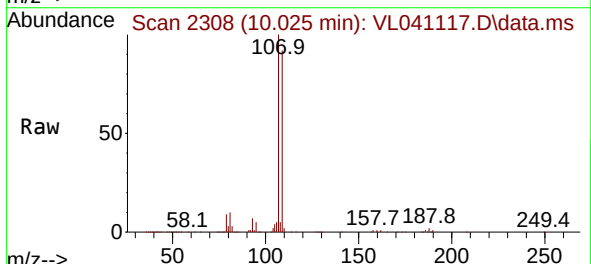
Manual Integrations
APPROVED

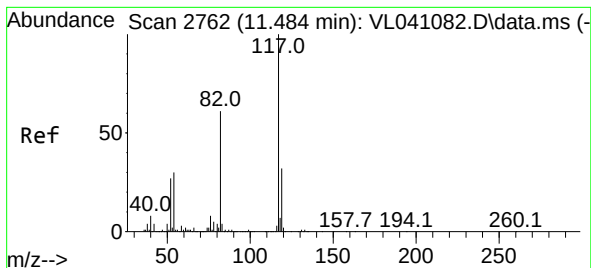
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#54
1,2-Dibromoethane
Concen: 11.553 ppbv
RT: 10.025 min Scan# 2308
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion:107 Resp: 1564116
Ion Ratio Lower Upper
107 100
109 92.3 74.4 111.6





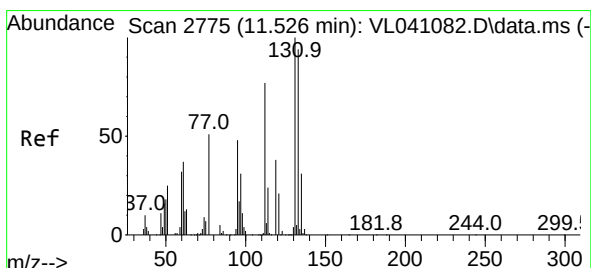
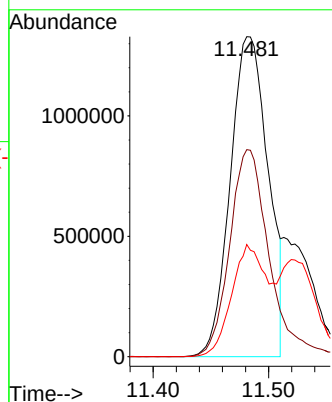
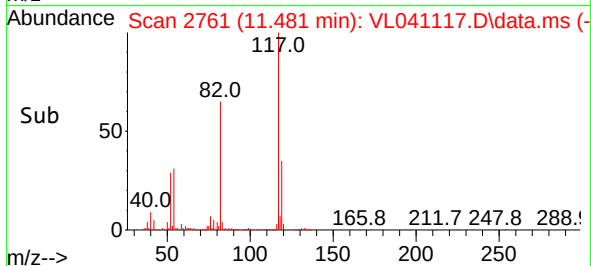
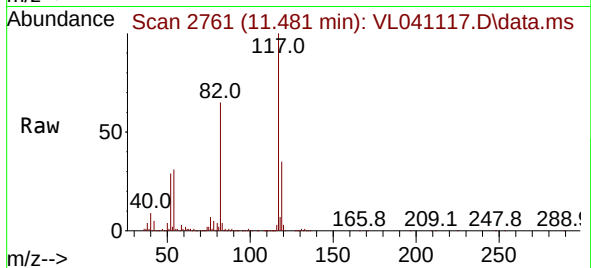
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2762
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 302887
Ion Ratio Lower Upper
117 100
82 68.3 51.4 77.2
119 30.3 23.7 35.5

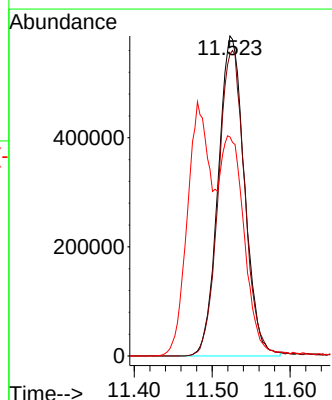
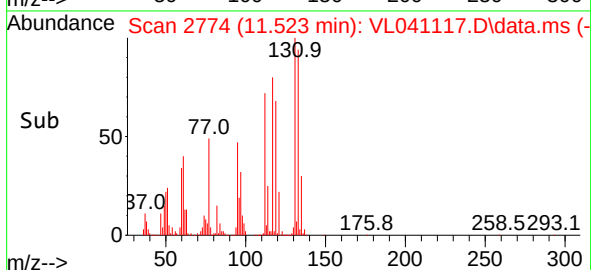
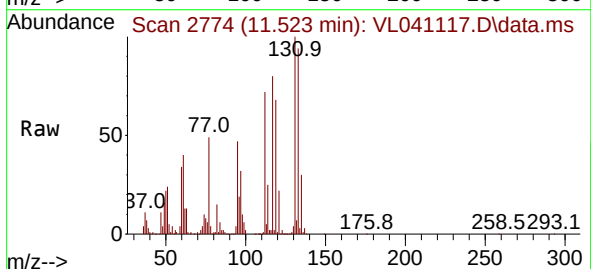
Manual Integrations
APPROVED

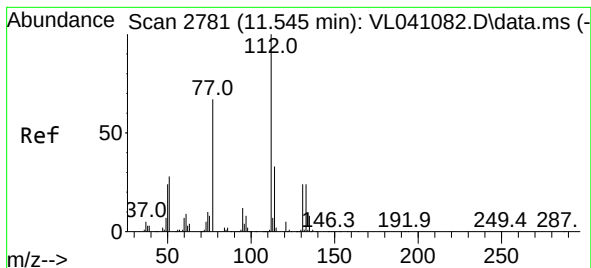
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#56
1,1,1,2-Tetrachloroethane
Concen: 10.608 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

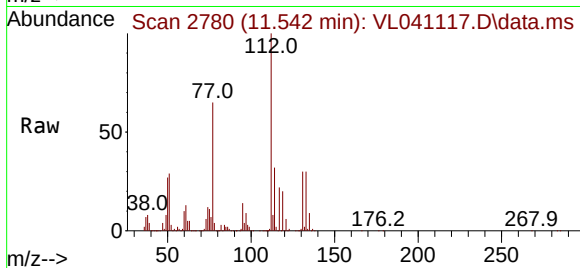
Tgt Ion:131 Resp: 1374666
Ion Ratio Lower Upper
131 100
133 96.3 76.1 114.1
119 62.2 51.1 76.7





#57
Chlorobenzene
Concen: 10.821 ppbv
RT: 11.542 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

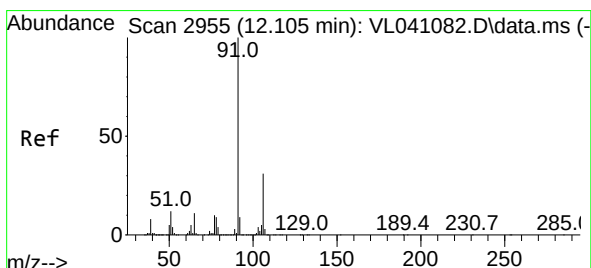
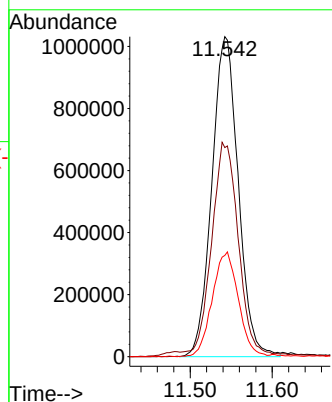
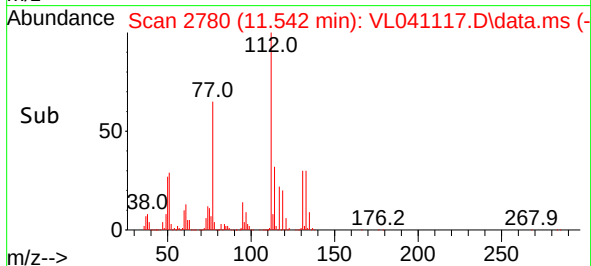
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:112 Resp: 231031
Ion Ratio Lower Upper
112 100
77 64.4 54.6 81.8
114 31.6 29.4 36.0

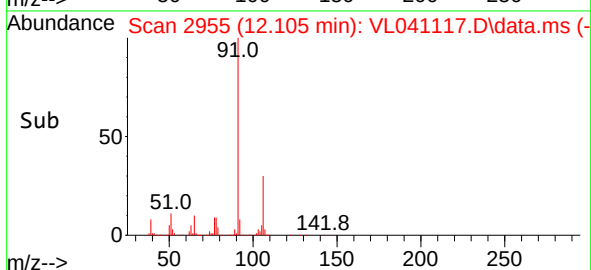
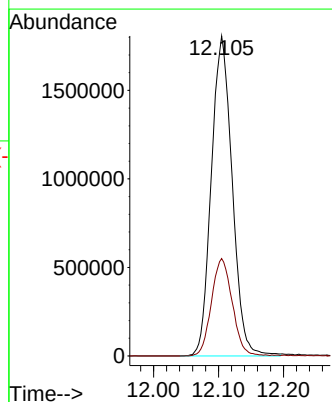
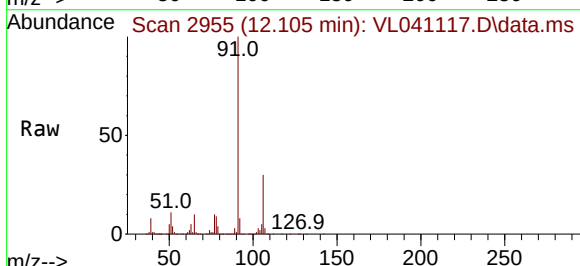
Manual Integrations
APPROVED

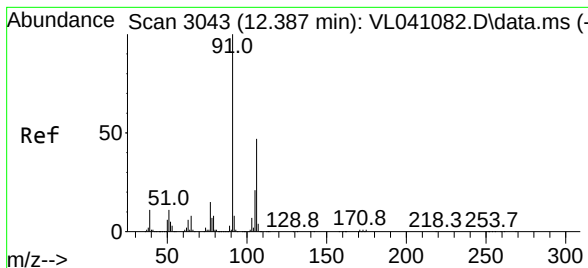
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#58
Ethyl Benzene
Concen: 11.380 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 91 Resp: 4035423
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8





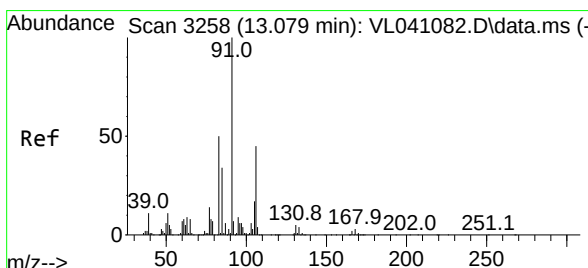
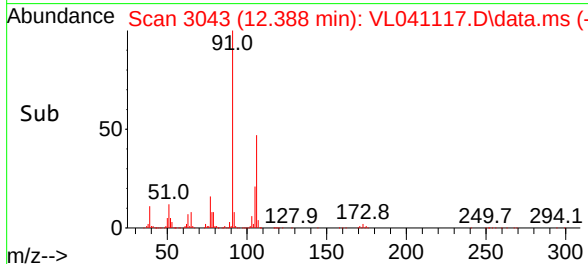
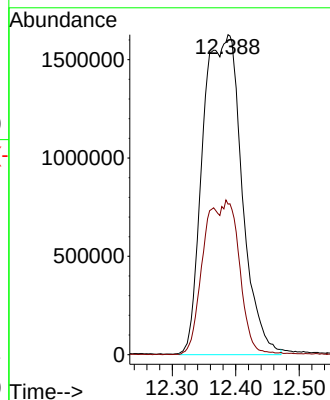
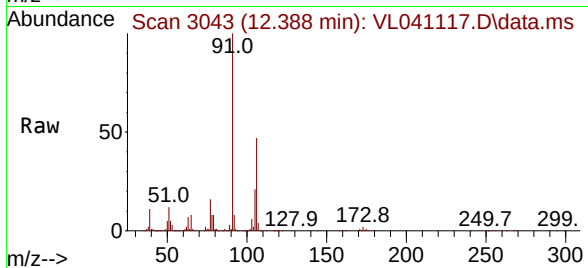
#59
m/p-Xylene
Concen: 22.224 ppbv m
RT: 12.388 min Scan# 3043
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 6917864
Ion Ratio Lower Upper
91 100
106 44.7 35.4 53.2

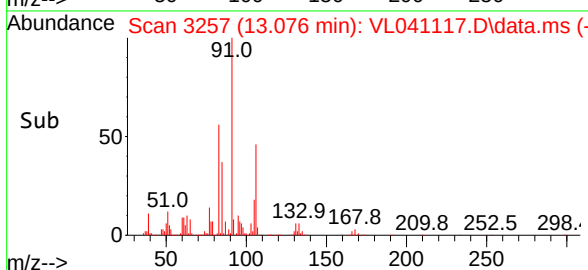
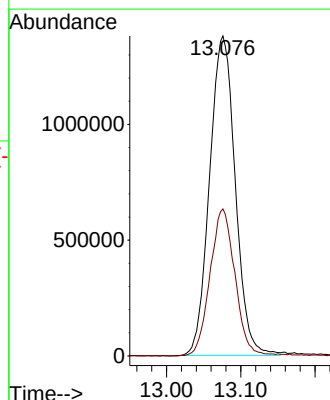
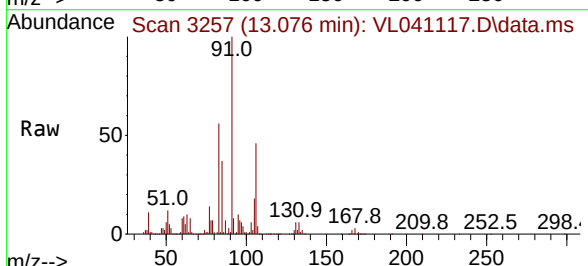
Manual Integrations
APPROVED

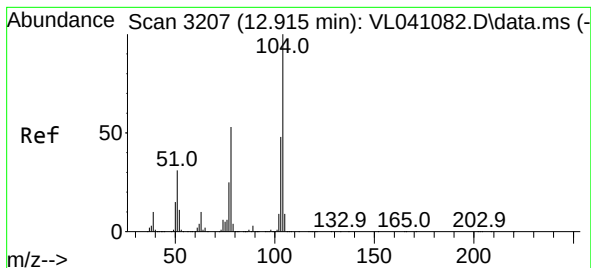
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#60
o-Xylene
Concen: 11.238 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 91 Resp: 3321419
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.3





#61

Styrene

Concen: 12.689 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 169348

Ion Ratio Lower Upper

104 100

78 53.2 42.6 64.0

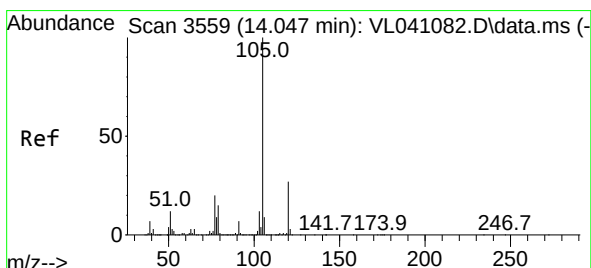
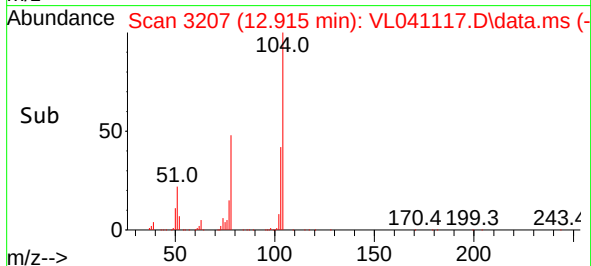
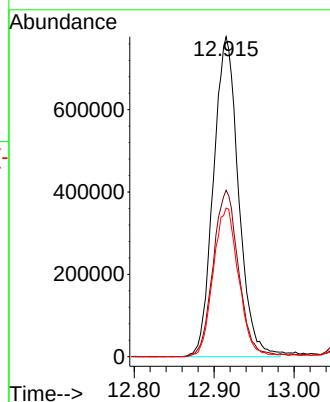
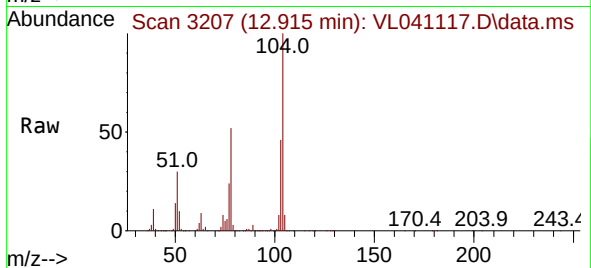
103 47.5 37.3 55.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#62

Isopropylbenzene

Concen: 11.106 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL041117.D

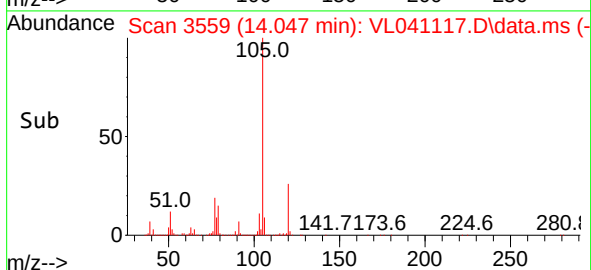
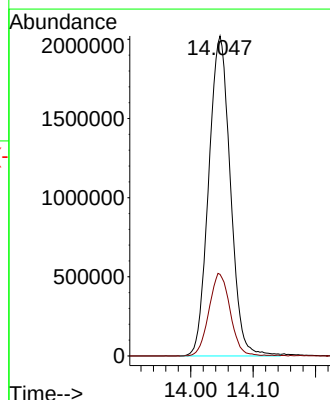
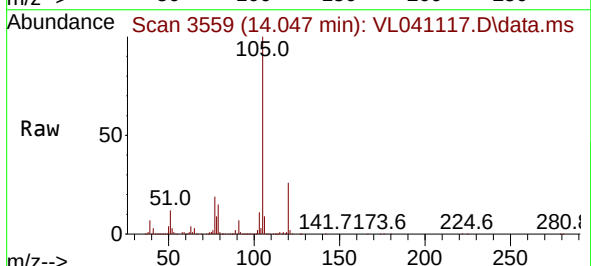
Acq: 15 Mar 2024 9:15

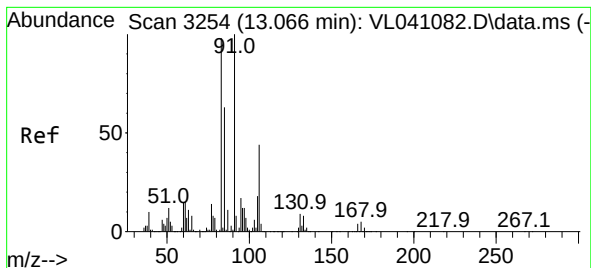
Tgt Ion:105 Resp: 4876226

Ion Ratio Lower Upper

105 100

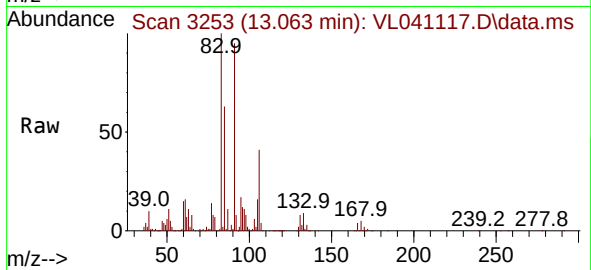
120 25.3 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 11.403 ppbv
RT: 13.063 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

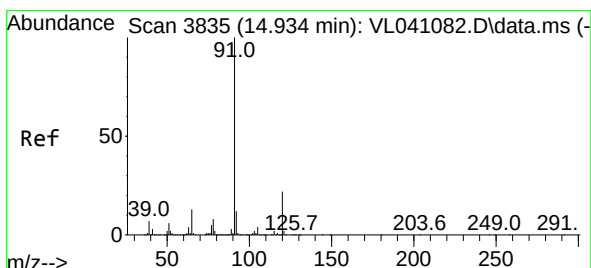
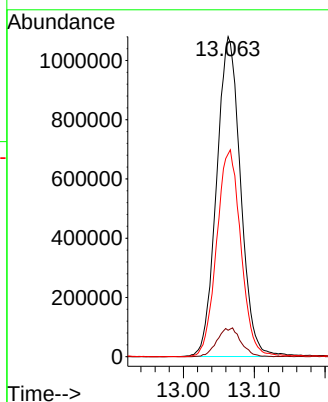
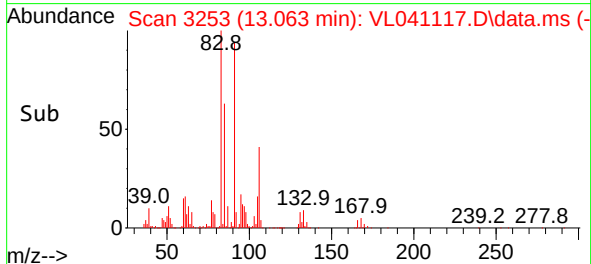
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



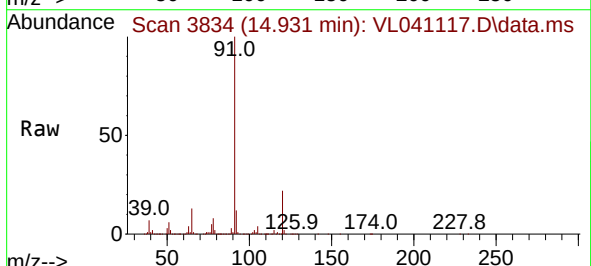
Tgt Ion: 83 Resp: 253313
Ion Ratio Lower Upper
83 100
131 9.0 4.7 14.0
85 66.0 32.7 98.1

Manual Integrations
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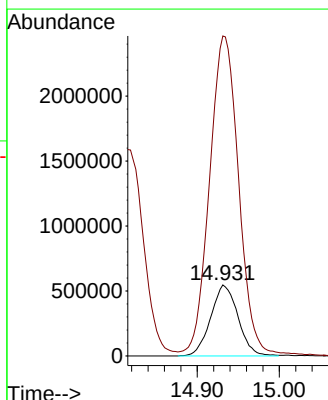
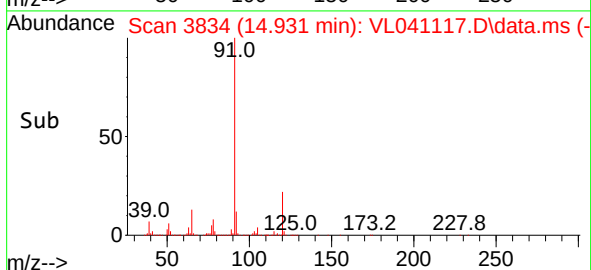
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

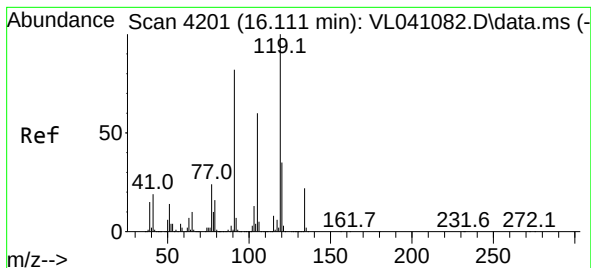


#64
n-propylbenzene
Concen: 11.462 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



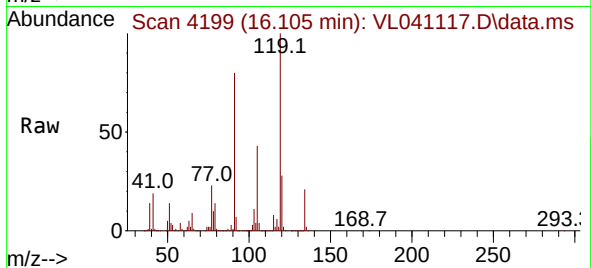
Tgt Ion:120 Resp: 1266170
Ion Ratio Lower Upper
120 100
91 484.2 387.5 581.3





#65
tert-Butylbenzene
Concen: 11.283 ppbv
RT: 16.105 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

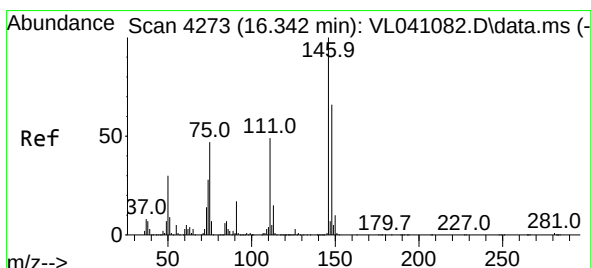
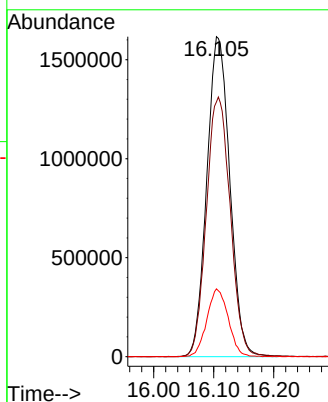
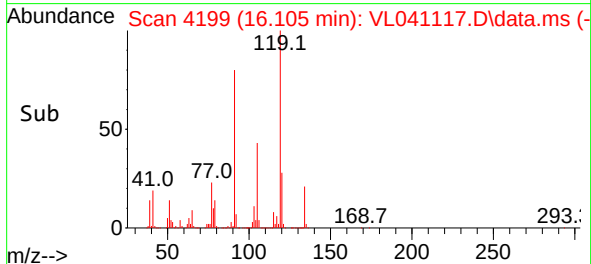
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



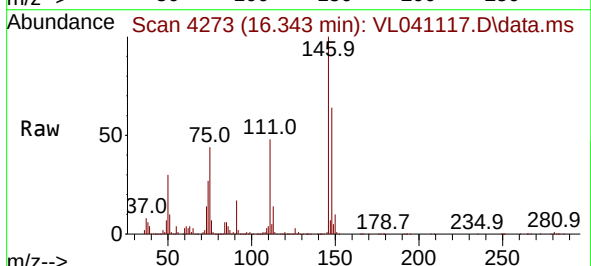
Tgt Ion: 119 Resp: 430550
Ion Ratio Lower Upper
119 100
91 84.3 67.8 101.8
134 19.8 16.2 24.2

Manual Integrations
APPROVED

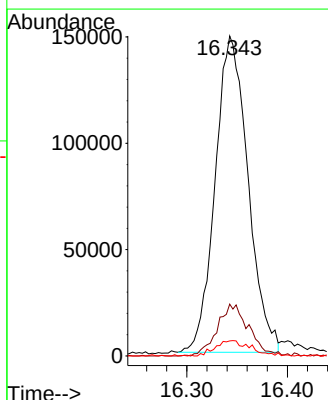
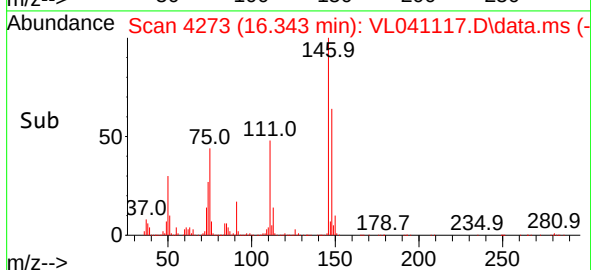
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

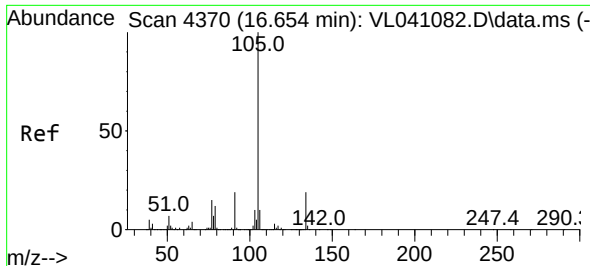


#66
Benzyl Chloride
Concen: 13.037 ppbv
RT: 16.343 min Scan# 4273
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



Tgt Ion: 91 Resp: 337054
Ion Ratio Lower Upper
91 100
126 15.9 14.1 21.1
128 5.3 4.6 7.0





#67

sec-Butylbenzene

Concen: 11.187 ppbv

RT: 16.651 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 614034

Ion Ratio Lower Upper

105 100

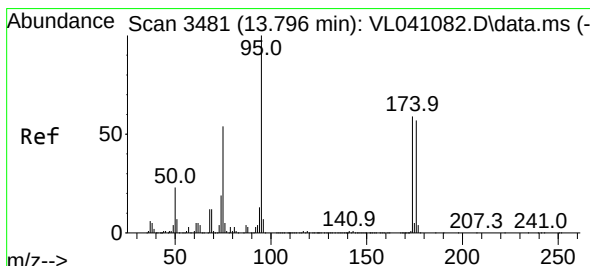
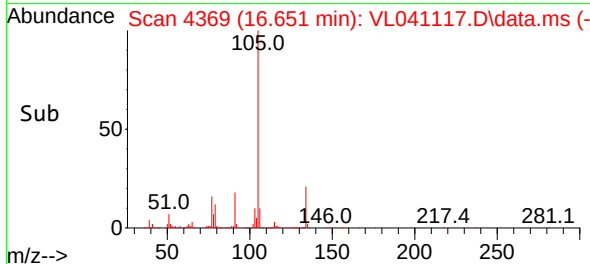
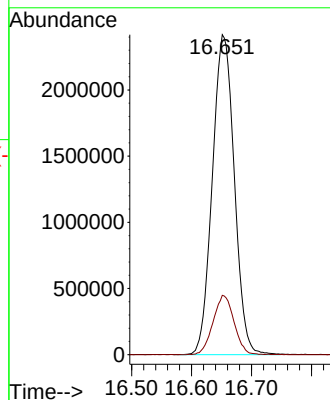
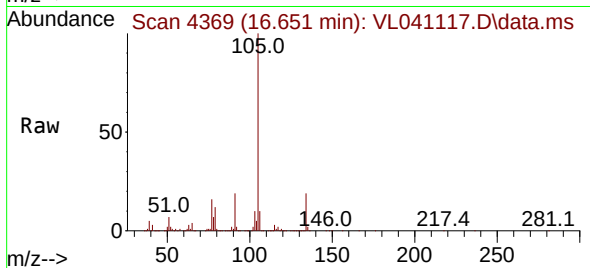
134 17.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.665 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. -0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

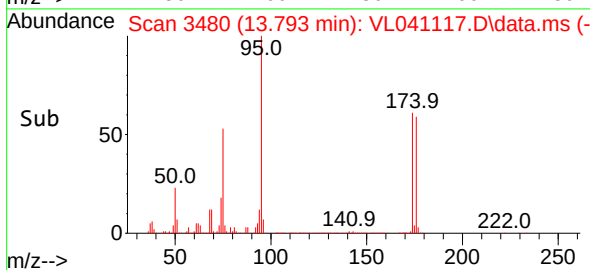
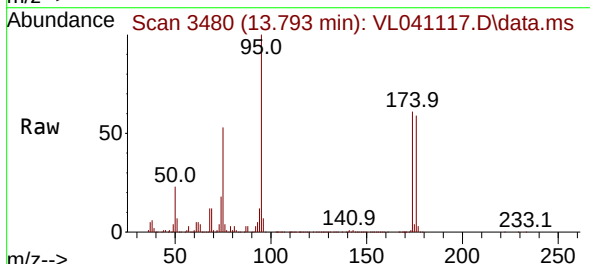
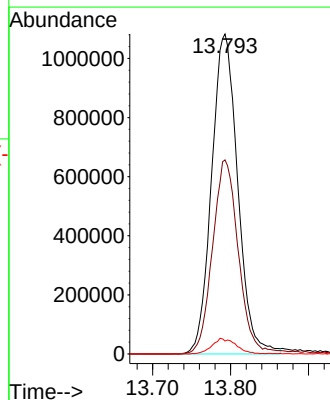
Tgt Ion: 95 Resp: 2525530

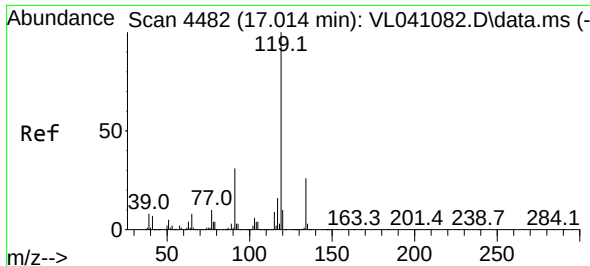
Ion Ratio Lower Upper

95 100

174 61.1 47.8 71.8

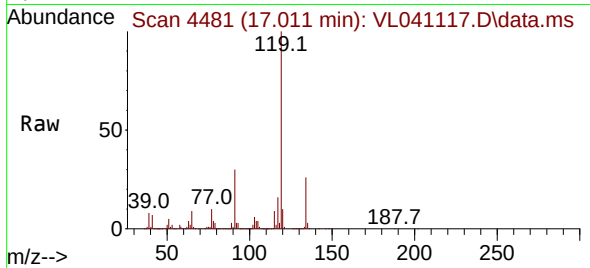
175 4.6 3.5 5.3





#69
p-Isopropyltoluene
Concen: 11.572 ppbv
RT: 17.011 min Scan# 4482
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

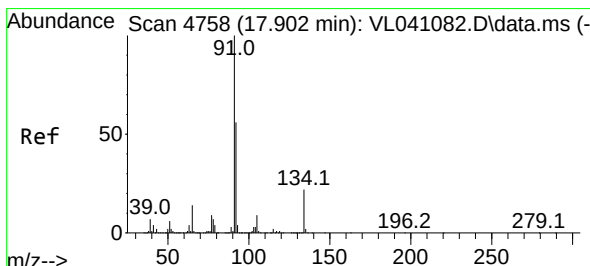
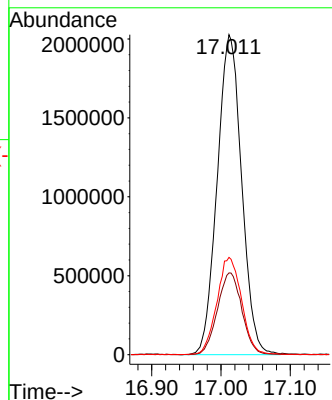
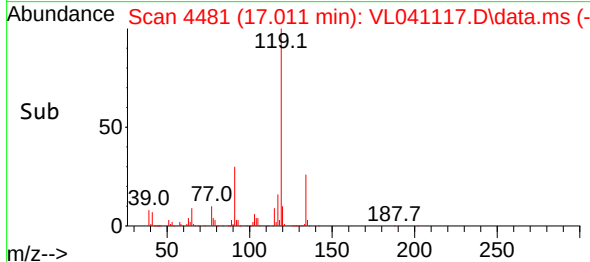


Tgt Ion:119 Resp: 495492

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	30.6	24.7	37.1

Manual Integrations
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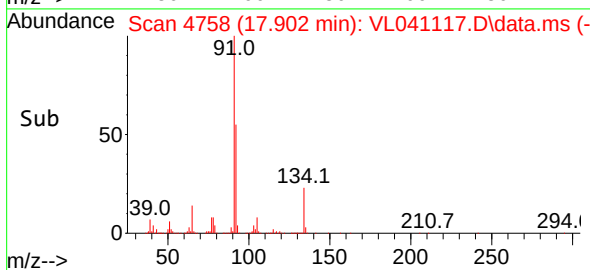
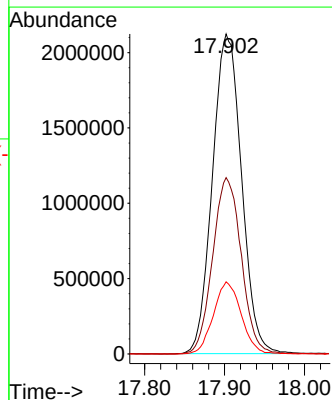
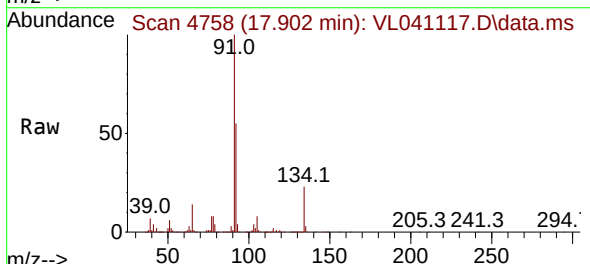
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

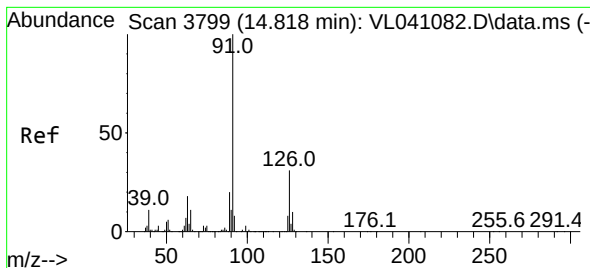


#70
n-Butylbenzene
Concen: 11.568 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion: 91 Resp: 5353103

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.4	65.2
134	21.7	17.4	26.0





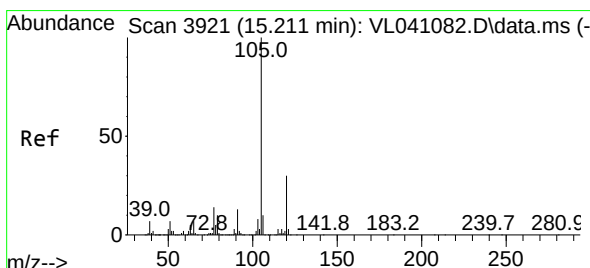
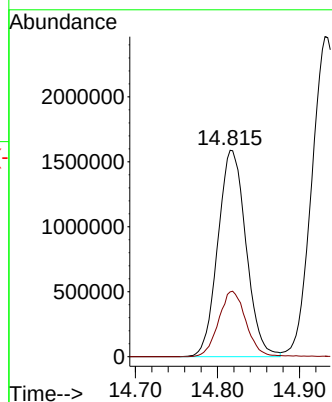
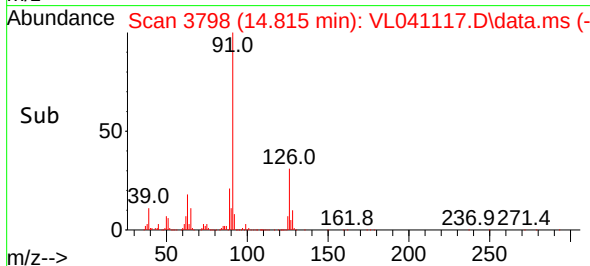
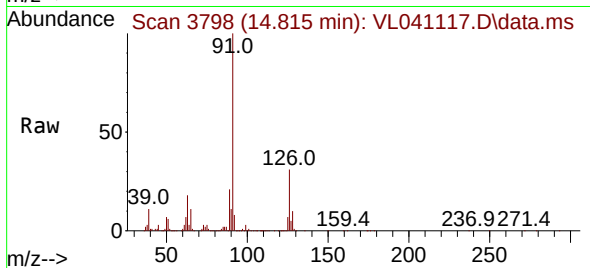
#71
2-Chlorotoluene
Concen: 11.295 ppbv
RT: 14.815 min Scan# 3799
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3793194
Ion Ratio Lower Upper
91 100
126 31.1 12.2 48.8

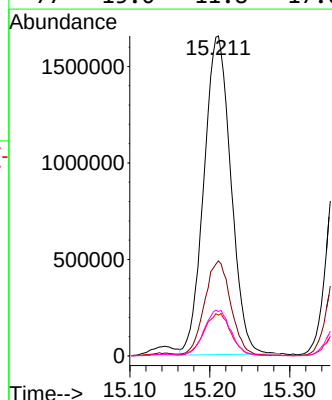
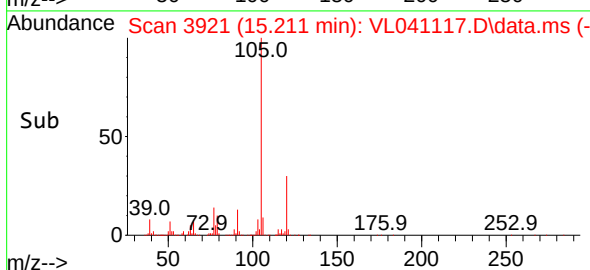
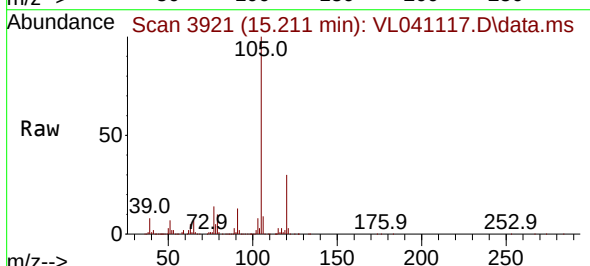
Manual Integrations
APPROVED

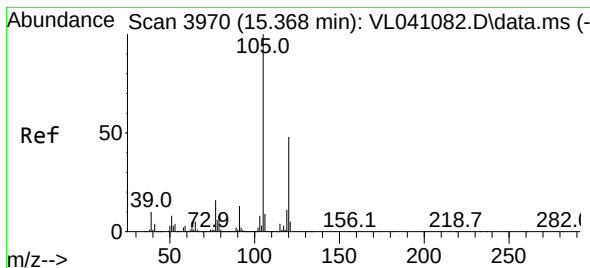
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#72
4-Ethyltoluene
Concen: 11.908 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

Tgt Ion:105 Resp: 3874841
Ion Ratio Lower Upper
105 100
120 30.3 23.8 35.8
91 13.5 10.9 16.3
77 15.0 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 11.623 ppbv

RT: 15.368 min Scan# 3970

Delta R.T. 0.000 min

Lab File: VL041117.D

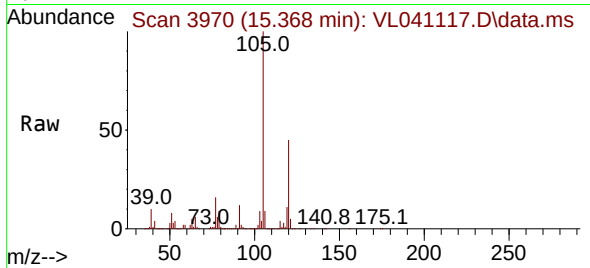
Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:105 Resp: 3346854

Ion Ratio Lower Upper

105 100

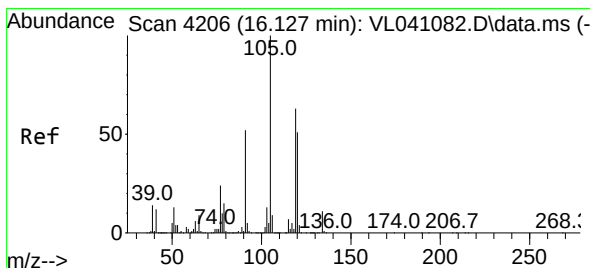
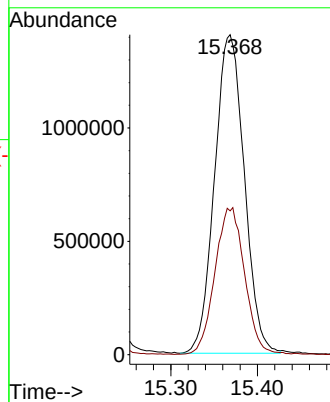
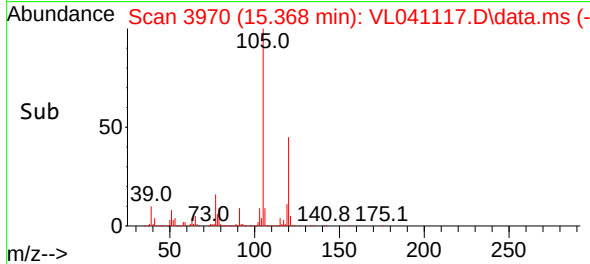
120 45.0 38.7 58.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#74

1,2,4-Trimethylbenzene

Concen: 11.292 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. -0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Tgt Ion:105 Resp: 3713761

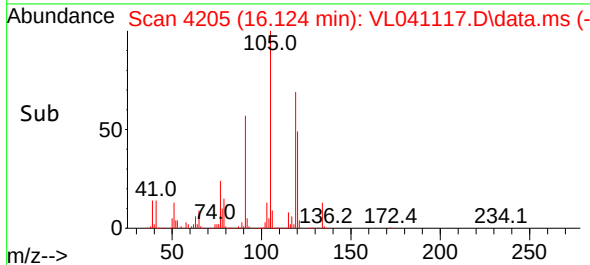
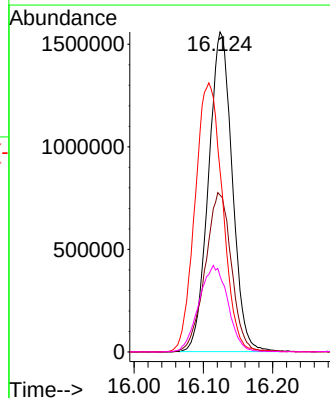
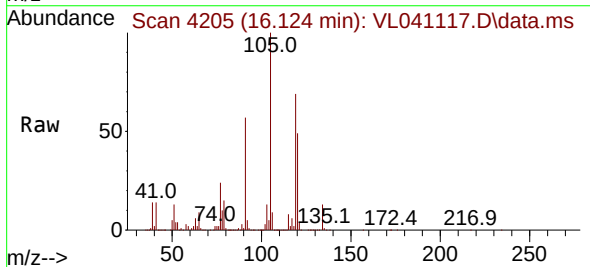
Ion Ratio Lower Upper

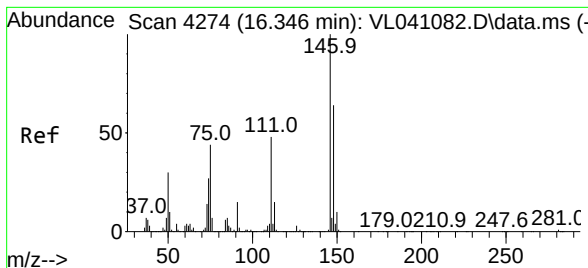
105 100

120 49.0 40.4 60.6

91 56.5 41.4 62.0

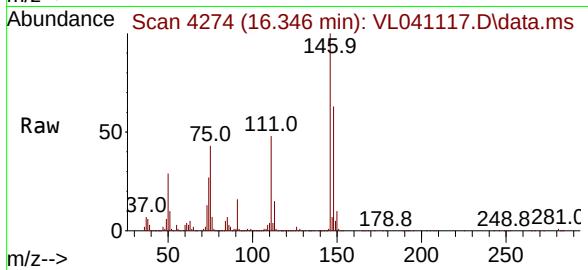
77 23.7 19.0 28.4





#75
1,3-Dichlorobenzene
Concen: 11.527 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

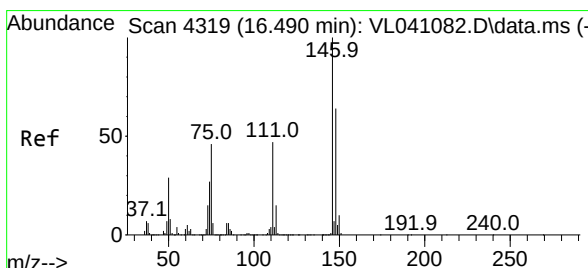
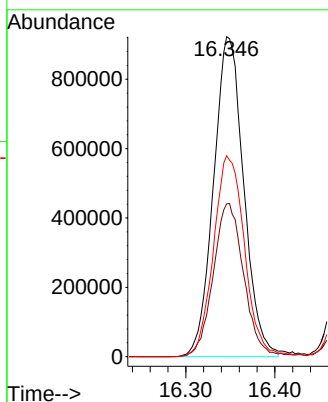
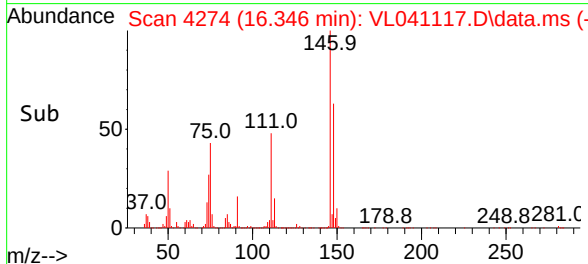
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



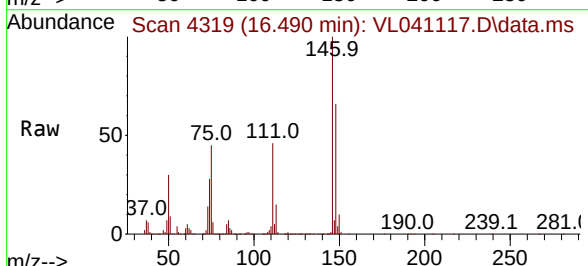
Tgt Ion:146 Resp: 2165000
Ion Ratio Lower Upper
146 100
111 48.5 24.1 72.2
148 64.8 32.6 97.7

Manual Integrations
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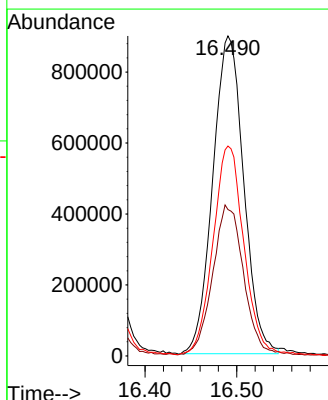
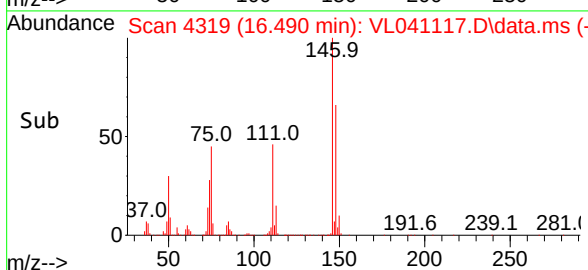
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

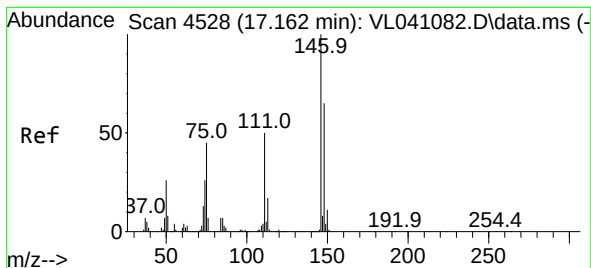


#76
1,4-Dichlorobenzene
Concen: 11.057 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



Tgt Ion:146 Resp: 2092411
Ion Ratio Lower Upper
146 100
111 48.4 23.9 71.7
148 67.2 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 11.434 ppbv

RT: 17.159 min Scan# 4528

Delta R.T. -0.003 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 209838

Ion Ratio Lower Upper

146 100

111 50.1 25.2 75.6

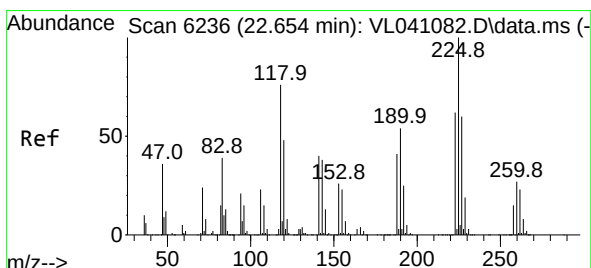
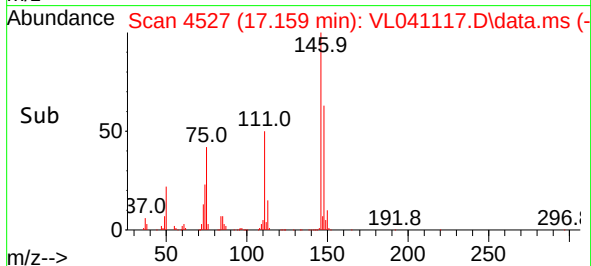
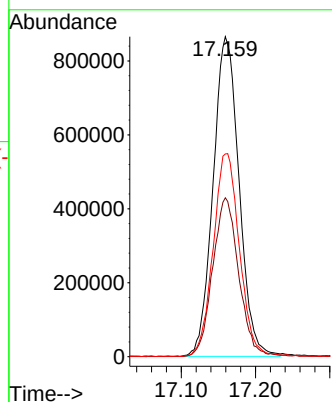
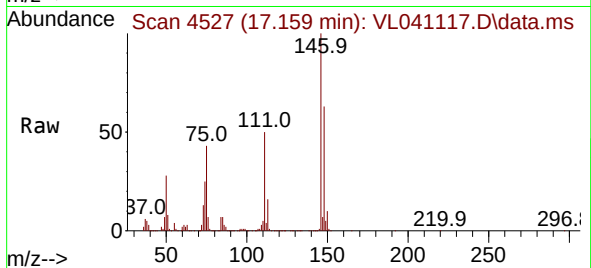
148 64.8 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#78

Hexachloro-1,3-Butadiene

Concen: 9.675 ppbv

RT: 22.654 min Scan# 6236

Delta R.T. 0.000 min

Lab File: VL041117.D

Acq: 15 Mar 2024 9:15

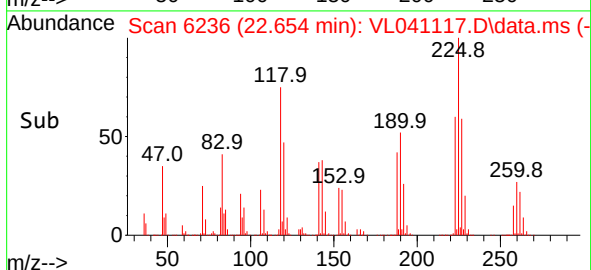
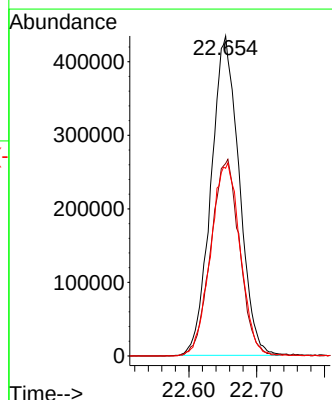
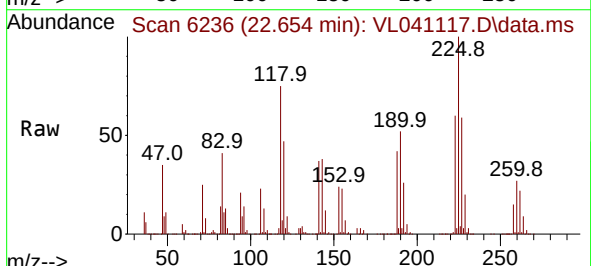
Tgt Ion:225 Resp: 1249963

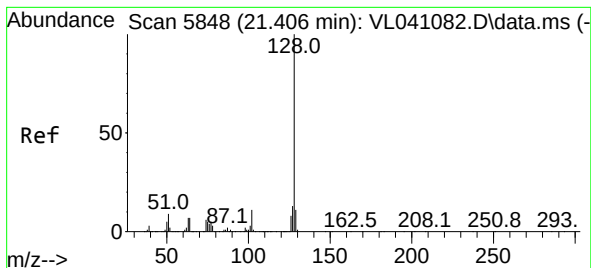
Ion Ratio Lower Upper

225 100

223 63.4 51.1 76.7

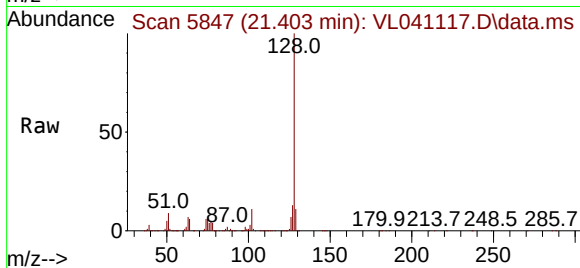
227 63.8 51.1 76.7





#79
Naphthalene
Concen: 15.922 ppbv
RT: 21.403 min Scan# 5848
Delta R.T. -0.003 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15

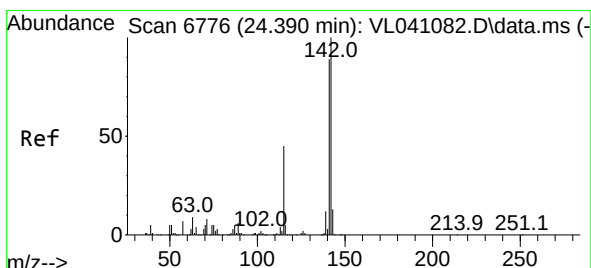
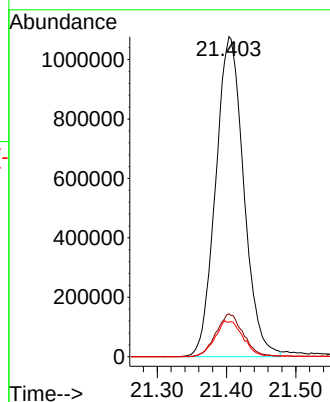
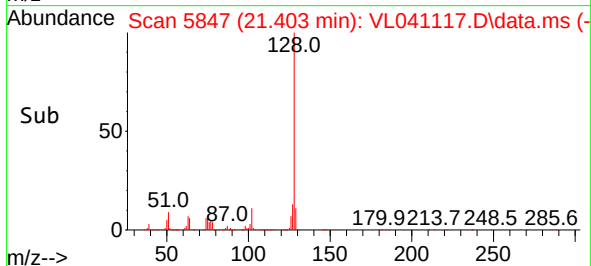
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



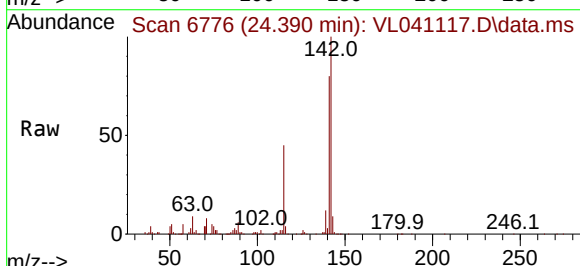
Tgt Ion:128 Resp: 303244
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.8 9.0 13.6

Manual Integrations
APPROVED

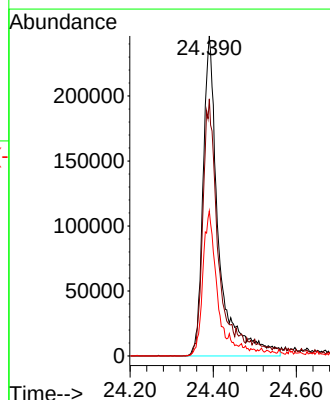
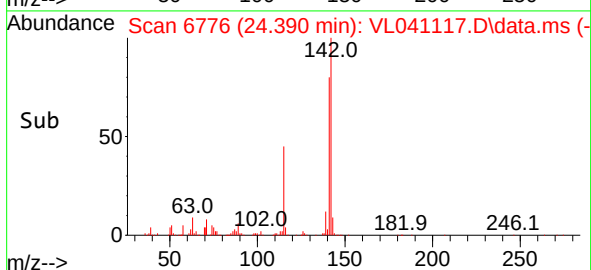
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

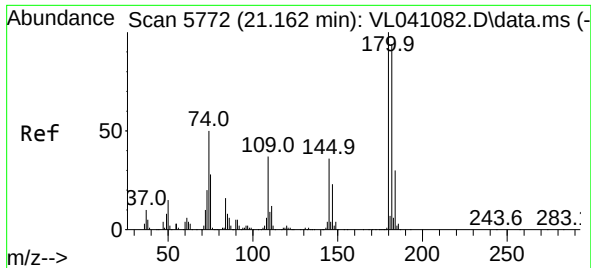


#80
Naphthalene,2-methyl-
Concen: 21.139 ppbv
RT: 24.390 min Scan# 6776
Delta R.T. 0.000 min
Lab File: VL041117.D
Acq: 15 Mar 2024 9:15



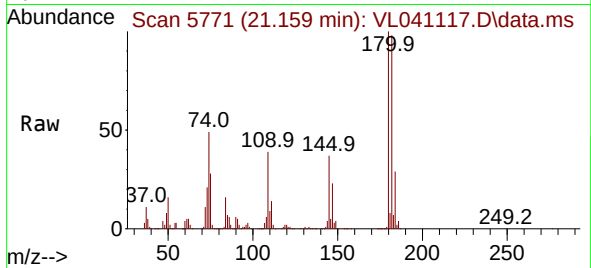
Tgt Ion:142 Resp: 645346
Ion Ratio Lower Upper
142 100
141 84.0 61.3 91.9
115 45.7 35.4 53.2





#81
 1,2,4-Trichlorobenzene
 Concen: 13.350 ppbv
 RT: 21.159 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041117.D
 Acq: 15 Mar 2024 9:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:180 Resp: 1464199
 Ion Ratio Lower Upper
 180 100
 182 96.3 78.7 118.1
 184 30.3 25.3 37.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024
 Supervised By :Mahesh Dadoda 03/18/2024

