

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040360.D
 Acq On : 13 Apr 2023 14:00
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 14:30:37 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 13:46:25 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1043975	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2589020	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2626182	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2209147 10.045 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1889244	9.224	ppbv	97
3) Chlorodifluoromethane	2.661	51	1786678	13.610	ppbv	100
4) Chloromethane	2.803	50	1157369	14.278	ppbv	99
5) Vinyl Chloride	2.909	62	991629	15.108	ppbv	98
6) Bromomethane	3.108	94	326705	14.354	ppbv	98
7) Chloroethane	3.185	64	377525	14.982	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	2429992	13.859	ppbv	98
9) Propene	2.684	41	720120	14.319	ppbv	96
10) Heptane	7.590	43	1892133	15.642	ppbv	99
11) Trichlorofluoromethane	3.555	101	2574640	13.873	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	1826580	13.105	ppbv	98
13) Ethanol	3.234	45	49920	13.534	ppbv	96
14) Bromoethene	3.356	108	788186	15.160	ppbv	99
15) Acetone	3.459	43	1758626	13.837	ppbv	99
16) 1,3-Butadiene	2.973	39	877571	15.190	ppbv	99
17) tert-Butyl alcohol	3.870	59	1858714	15.388	ppbv	100
18) 1,1-Dichloroethene	3.873	96	857822	14.347	ppbv	99
19) Isopropyl Alcohol	3.568	45	920076	15.112	ppbv	98
20) Methylene Chloride	3.928	84	724362	13.547	ppbv	98
21) Allyl Chloride	3.992	41	1213570	14.741	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	838620	13.780	ppbv	93
23) Vinyl Acetate	4.623	43	519782	14.700	ppbv	97
24) 1,1-Dichloroethane	4.562	63	1691271	13.410	ppbv	98
25) Ethyl Acetate	5.205	43	3476586	14.611	ppbv	99
26) Hexane	5.214	57	1499875	15.356	ppbv	95
27) Carbon Disulfide	4.118	76	2127465	15.595	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1485701	13.248	ppbv	99
29) Chloroform	5.275	83	2590383	15.019	ppbv	100
30) Cyclohexane	6.606	84	1260906	16.383	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1550919	16.305	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	2618130	15.845	ppbv	99
34) 2-Butanone	4.783	43	2061275	16.132	ppbv	99
35) Carbon Tetrachloride	6.497	117	2706784	16.660	ppbv	98
36) Benzene	6.375	78	3111717	15.771	ppbv	99
37) 1,2-Dichloroethane	5.809	62	2067934	16.103	ppbv	100
38) Trichloroethene	7.298	130	1973696	18.306	ppbv	98
39) 1,2-Dichloropropane	7.079	63	1212076	15.658	ppbv	98
40) 1,4-Dioxane	7.291	88	454542	14.842	ppbv	80
41) Tetrahydrofuran	5.555	42	1182375	16.033	ppbv	99
42) Bromodichloromethane	7.256	83	2876314	16.390	ppbv	99
43) Methyl Methacrylate	7.481	69	1276587	17.411	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	5131580	15.599	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	1337265	20.922	ppbv	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

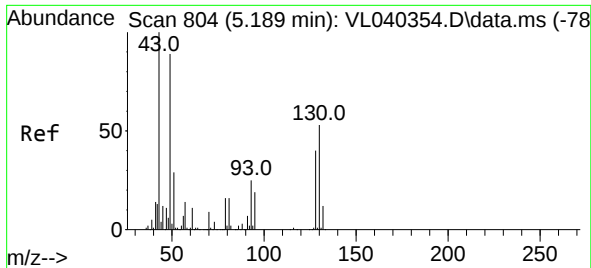
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 13:46:25 2023

Response via : Initial Calibration

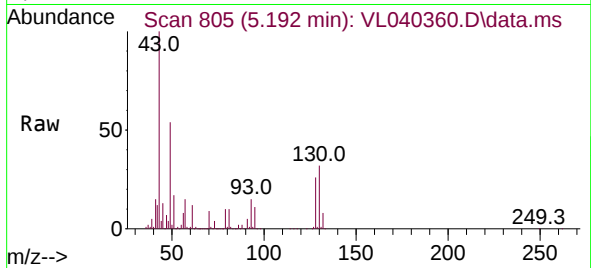
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1738791	19.157	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	1362836	16.500	ppbv	96
48) Dibromochloromethane	9.722	129	2396102	17.629	ppbv	99
49) Bromoform	12.423	173	1976058	19.357	ppbv	99
50) 4-Methyl-2-Pentanone	8.188	43	3294316	16.660	ppbv	99
51) 2-Hexanone	9.558	43	2597338	16.956	ppbv #	100
52) Tetrachloroethene	10.626	164	1111199	18.615	ppbv	97
53) Toluene	9.233	91	3677006	17.783	ppbv	98
54) 1,2-Dibromoethane	10.021	107	1546159	18.187	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	1705841	15.441	ppbv	97
57) Chlorobenzene	11.542	112	2887379	15.456	ppbv	99
58) Ethyl Benzene	12.105	91	5092427	17.030	ppbv	96
59) m/p-Xylene	12.388	91	8889317m	32.450	ppbv	
60) o-Xylene	13.072	91	4305898	16.443	ppbv	98
61) Styrene	12.912	104	2524744	18.999	ppbv	99
62) Isopropylbenzene	14.043	105	5985367	16.050	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	1347940	14.628	ppbv	100
64) n-propylbenzene	14.931	120	1558591	17.079	ppbv	92
65) tert-Butylbenzene	16.104	119	5250919	16.340	ppbv	100
66) Benzyl Chloride	16.346	91	403370	19.314	ppbv	99
67) sec-Butylbenzene	16.654	105	7454784	16.220	ppbv	99
69) p-Isopropyltoluene	17.011	119	6011882	16.797	ppbv	99
70) n-Butylbenzene	17.902	91	6561883	16.641	ppbv	98
71) 2-Chlorotoluene	14.818	91	4733976	16.679	ppbv	99
72) 4-Ethyltoluene	15.207	105	4923605	17.197	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	4425441	17.064	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	4796498	16.218	ppbv	92
75) 1,3-Dichlorobenzene	16.349	146	2685525	16.765	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	2650431	17.348	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	2553129	16.582	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1983486	17.566	ppbv	100
79) Naphthalene	21.403	128	4300318	24.579	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1609352	36.319	ppbv	98
81) 1,2,4-Trichlorobenzene	21.159	180	2207087	20.481	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

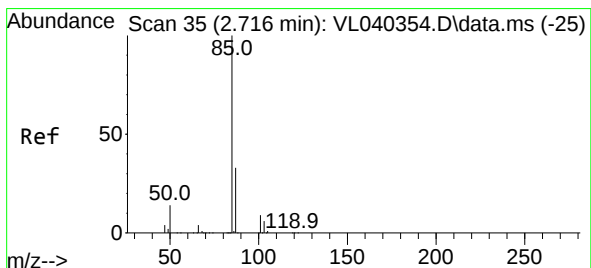
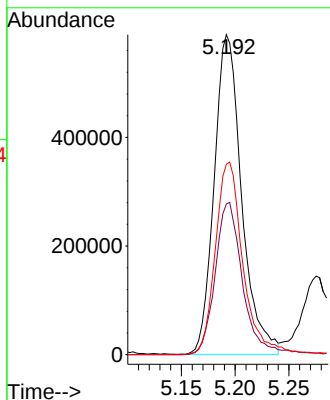
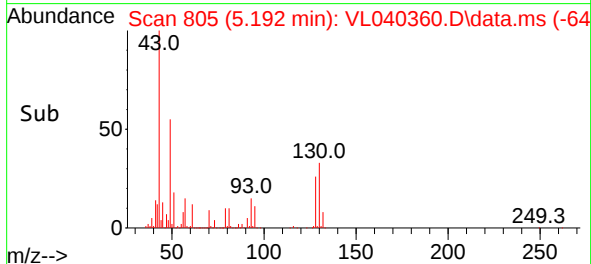
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 49 Resp: 104397
Ion Ratio Lower Upper
49 100
128 48.0 22.4 67.3
130 61.5 28.7 86.1

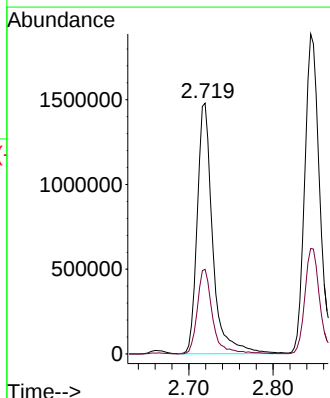
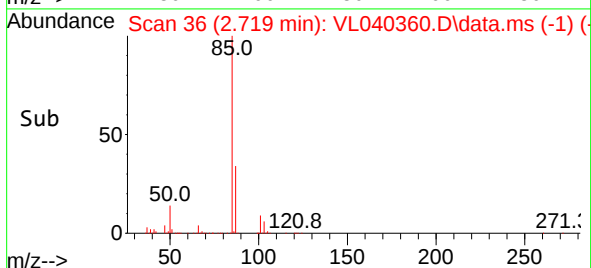
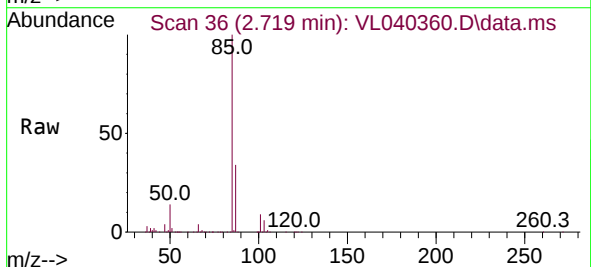
Manual Integrations
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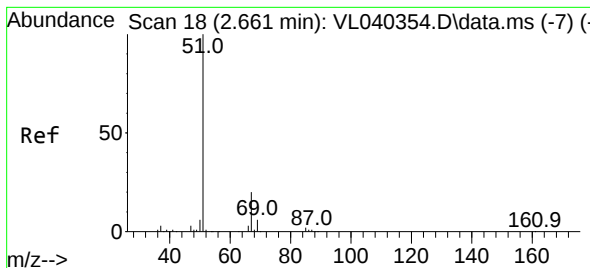
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#2
Dichlorodifluoromethane
Concen: 9.224 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Tgt Ion: 85 Resp: 1889244
Ion Ratio Lower Upper
85 100
87 33.7 25.5 38.3





#3

Chlorodifluoromethane

Concen: 13.610 ppbv

RT: 2.661 min Scan# 18

Delta R.T. -0.004 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 51 Resp: 1786678

Ion Ratio Lower Upper

51 100

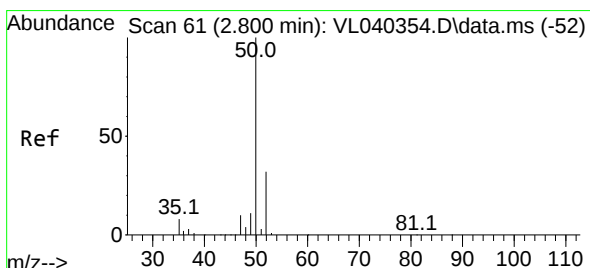
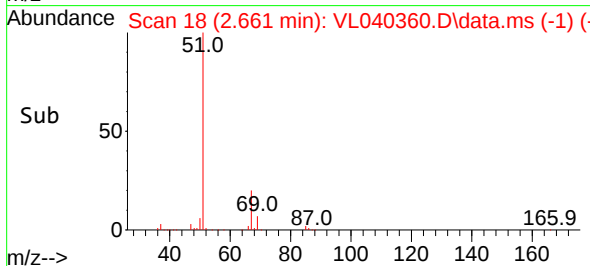
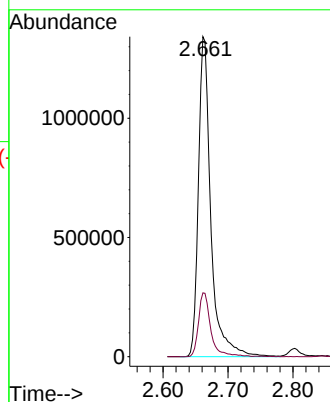
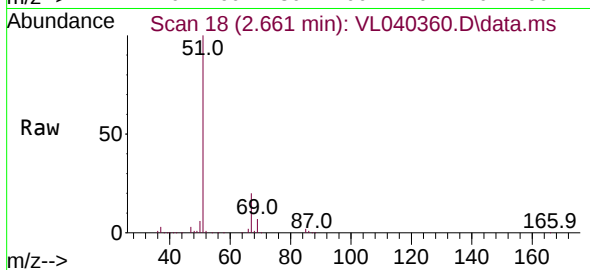
67 20.0 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#4

Chloromethane

Concen: 14.278 ppbv

RT: 2.803 min Scan# 62

Delta R.T. -0.000 min

Lab File: VL040360.D

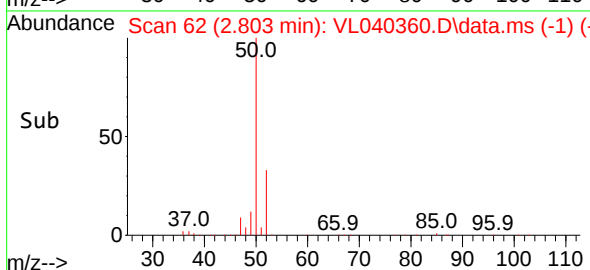
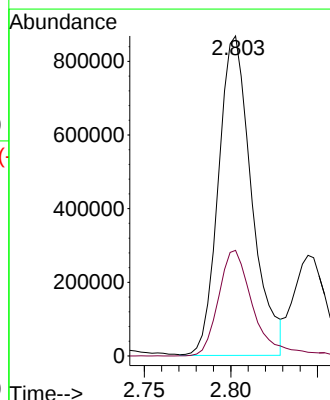
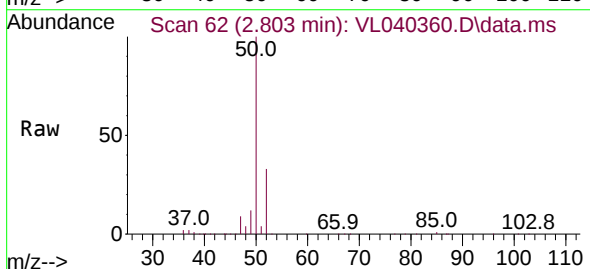
Acq: 13 Apr 2023 14:00

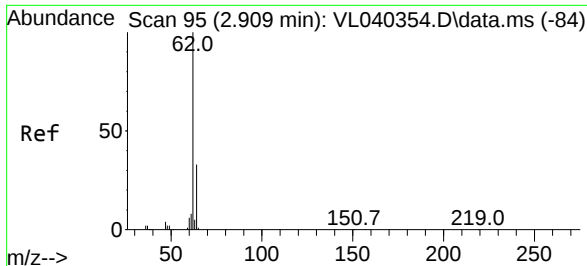
Tgt Ion: 50 Resp: 1157369

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9





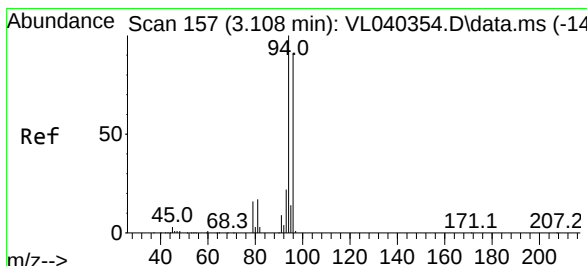
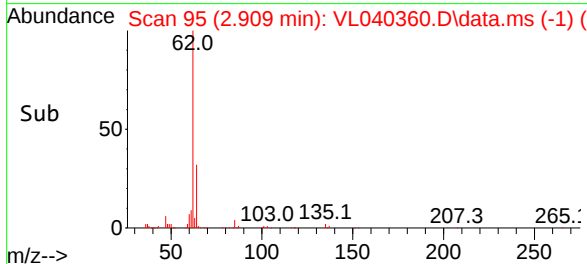
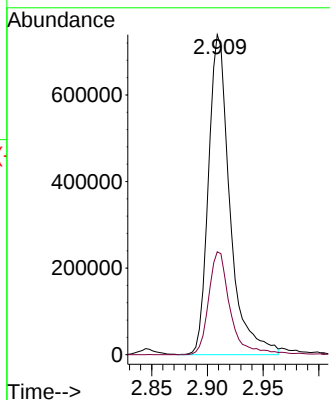
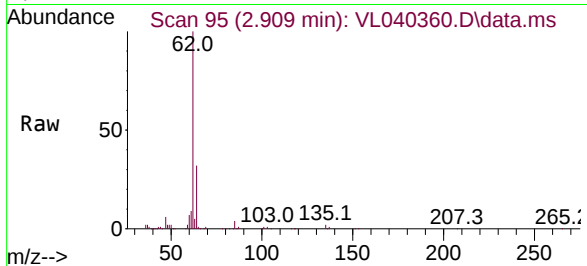
#5
 Vinyl Chloride
 Concen: 15.108 ppbv
 RT: 2.909 min Scan# 95
 Delta R.T. -0.003 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 62 Resp: 991629
 Ion Ratio Lower Upper
 62 100
 64 32.1 26.4 39.6

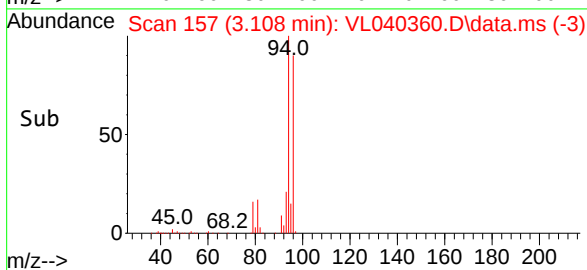
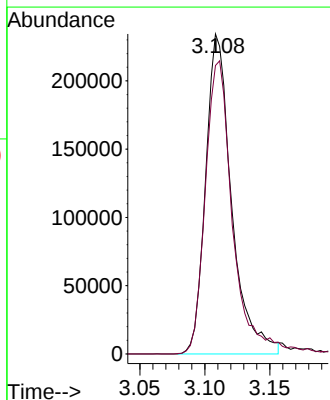
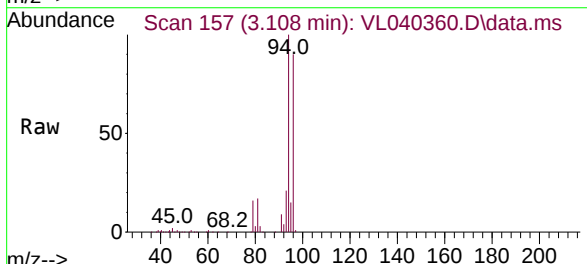
Manual Integrations
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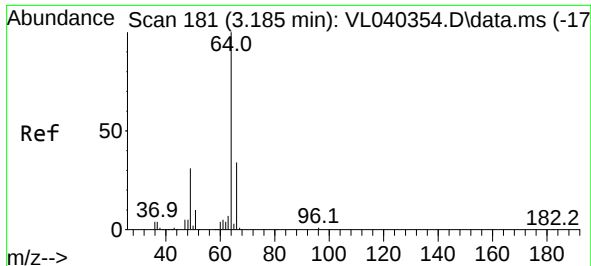
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#6
 Bromomethane
 Concen: 14.354 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.004 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

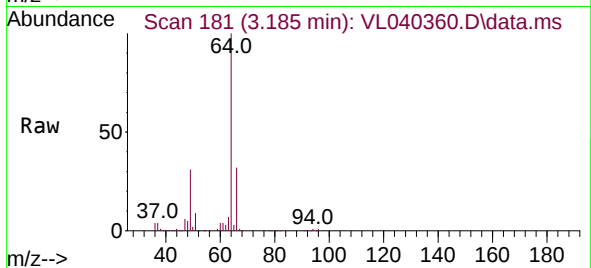
Tgt Ion: 94 Resp: 326705
 Ion Ratio Lower Upper
 94 100
 96 90.0 73.7 110.5





#7
Chloroethane
Concen: 14.982 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.004 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

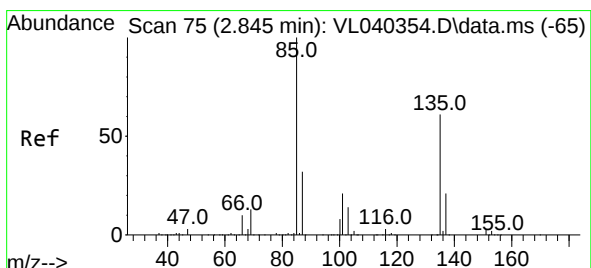
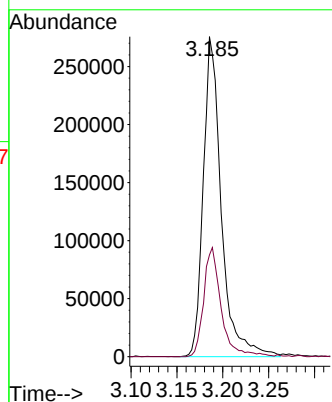
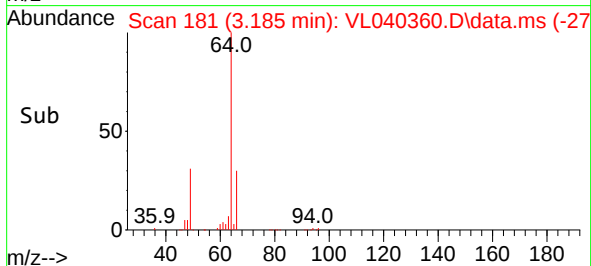
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 64 Resp: 377529
Ion Ratio Lower Upper
64 100
66 31.8 25.5 38.3

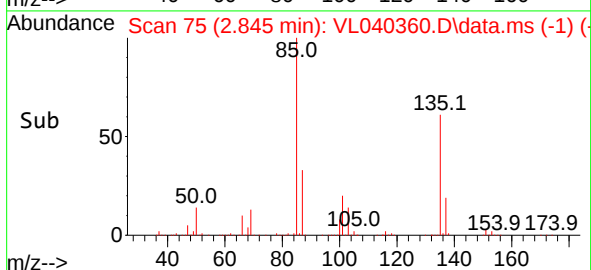
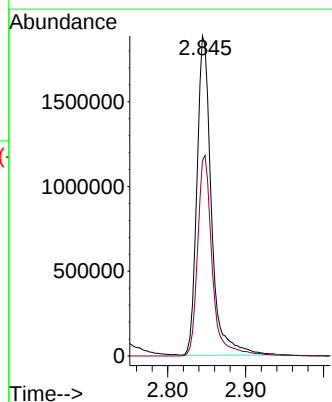
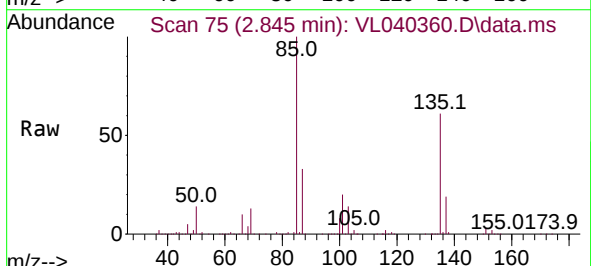
Manual Integrations
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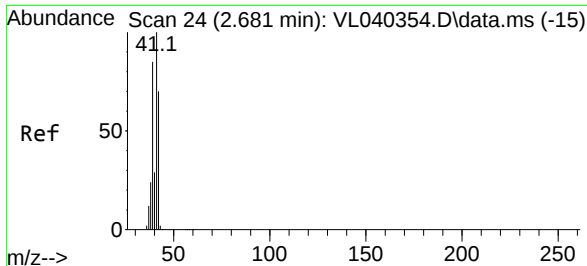
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#8
Dichlorotetrafluoroethane
Concen: 13.859 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

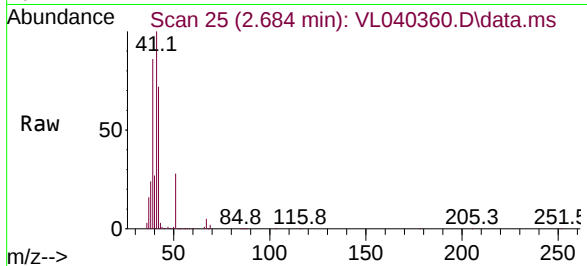
Tgt Ion: 85 Resp: 2429992
Ion Ratio Lower Upper
85 100
135 63.7 52.0 78.0





#9
 Propene
 Concen: 14.319 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

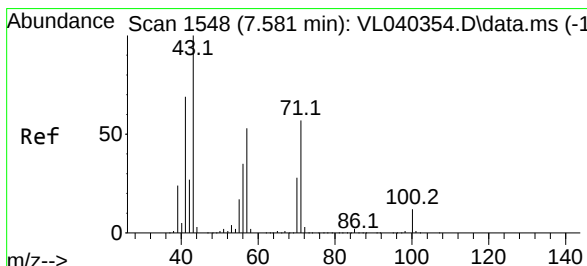
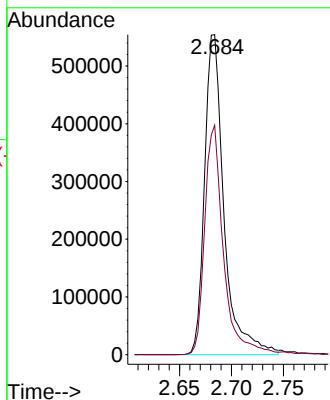
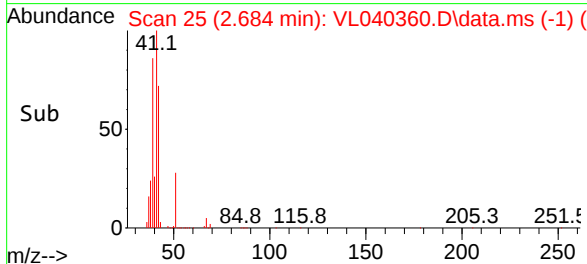
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



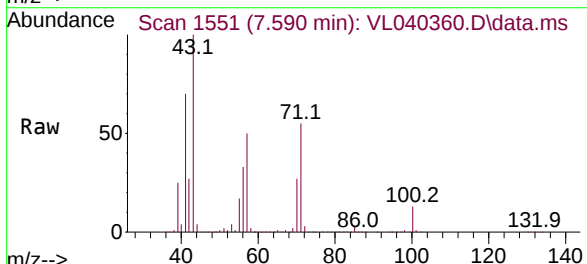
Tgt Ion: 41 Resp: 720120
 Ion Ratio Lower Upper
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 42 70.3 59.0 88.4

Manual Integrations
 APPROVED

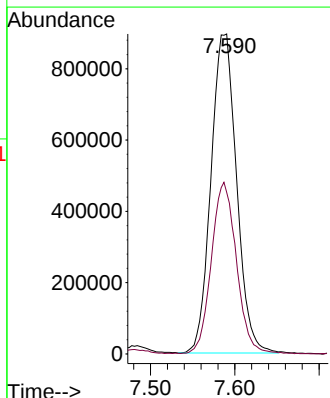
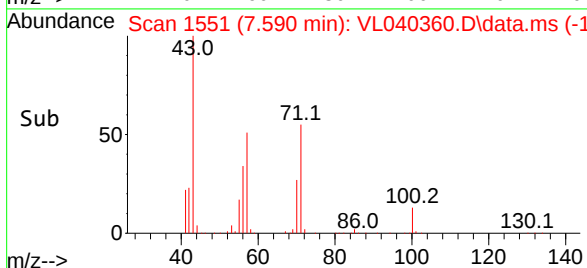
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

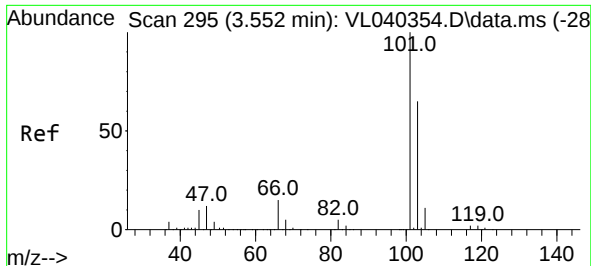


#10
 Heptane
 Concen: 15.642 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.009 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00



Tgt Ion: 43 Resp: 1892133
 Ion Ratio Lower Upper
 43 100
 57 52.6 41.7 62.5





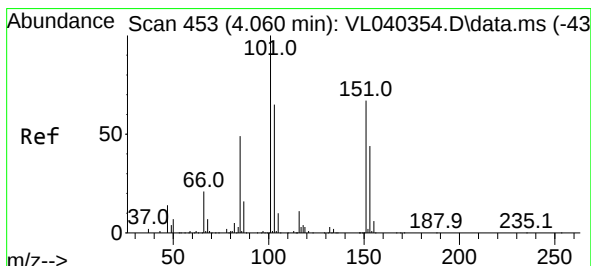
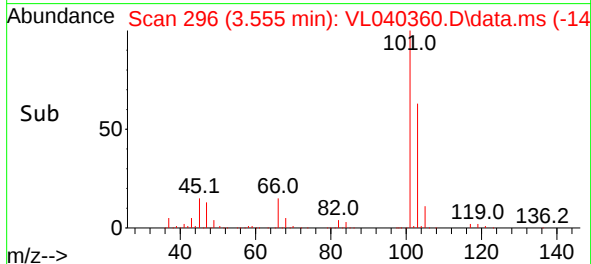
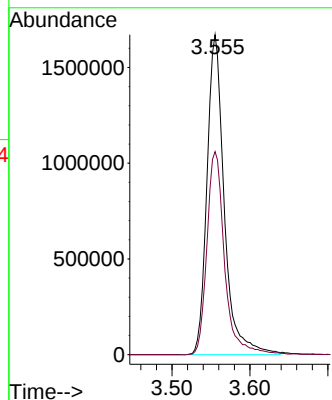
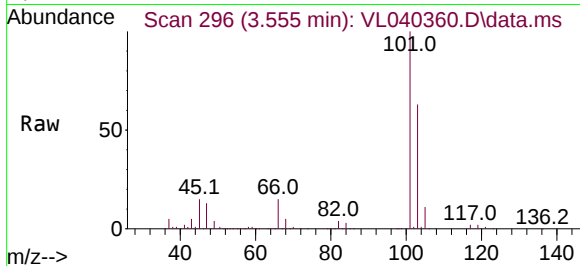
#11
 Trichlorofluoromethane
 Concen: 13.873 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.000 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:101 Resp: 2574640
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7

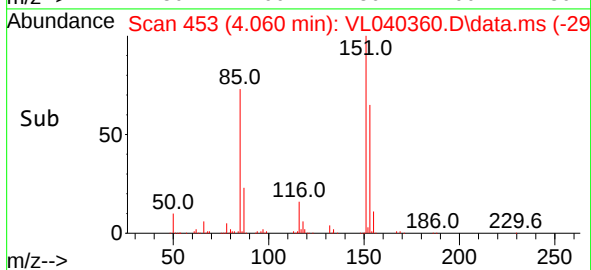
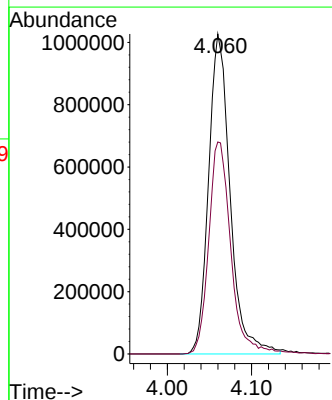
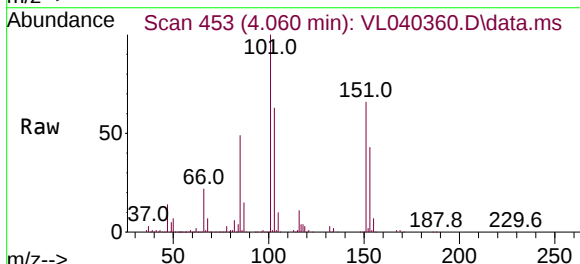
Manual Integrations
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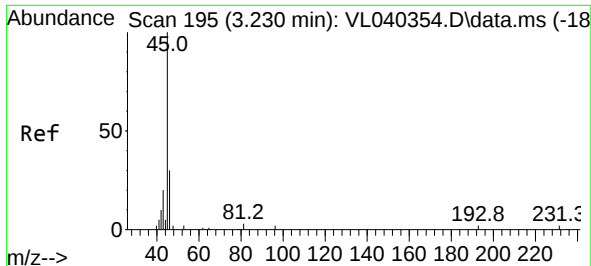
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.105 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.000 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

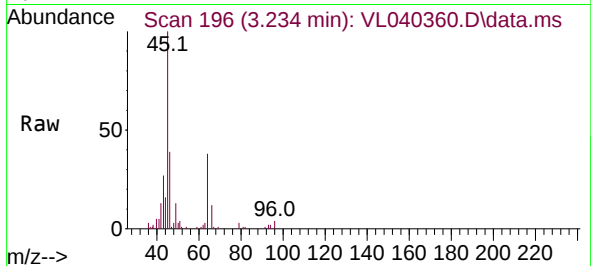
Tgt Ion:101 Resp: 1826580
 Ion Ratio Lower Upper
 101 100
 151 68.3 53.2 79.8





#13
Ethanol
Concen: 13.534 ppbv
RT: 3.234 min Scan# 195
Delta R.T. -0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

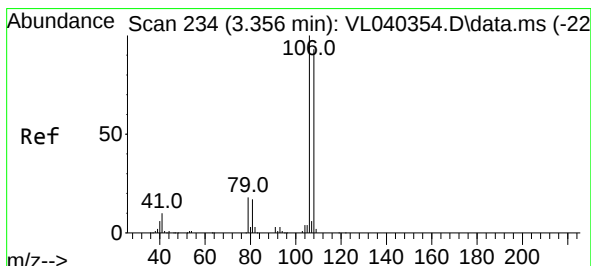
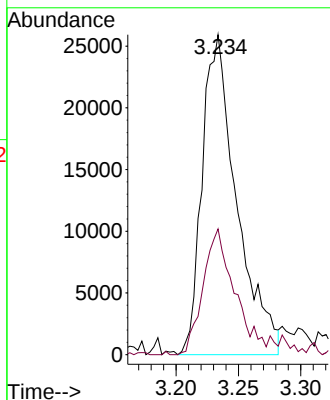
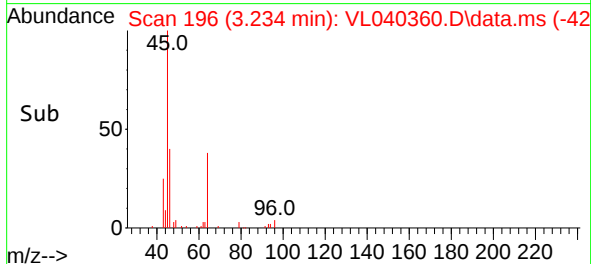
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



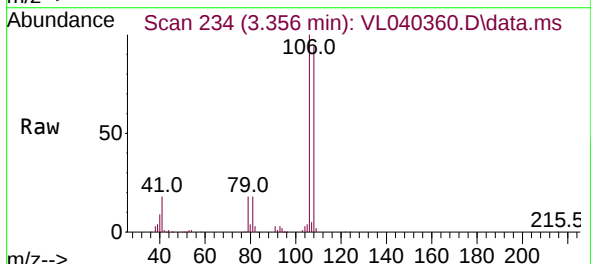
Tgt Ion: 45 Resp: 49920
Ion Ratio Lower Upper
45 100
46 39.9 15.0 60.2

Manual Integrations
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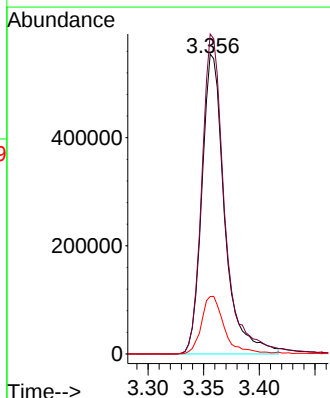
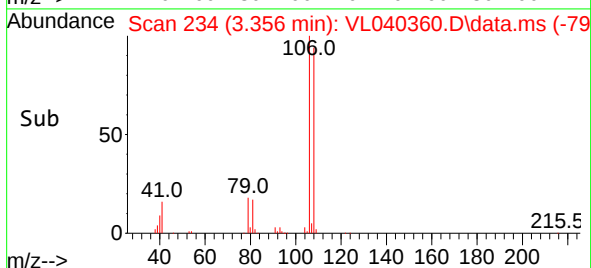
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

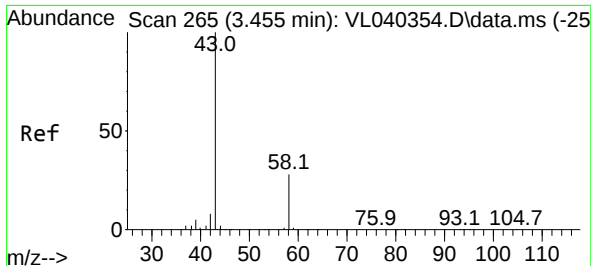


#14
Bromoethene
Concen: 15.160 ppbv
RT: 3.356 min Scan# 234
Delta R.T. -0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



Tgt Ion:108 Resp: 788186
Ion Ratio Lower Upper
108 100
106 108.2 85.8 128.8
79 19.9 15.8 23.6





#15

Acetone

Concen: 13.837 ppbv

RT: 3.459 min Scan# 266

Delta R.T. -0.000 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 1758620

Ion Ratio Lower Upper

43 100

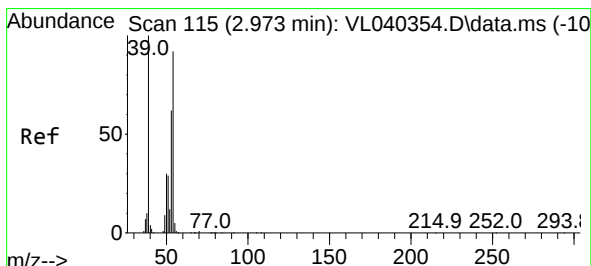
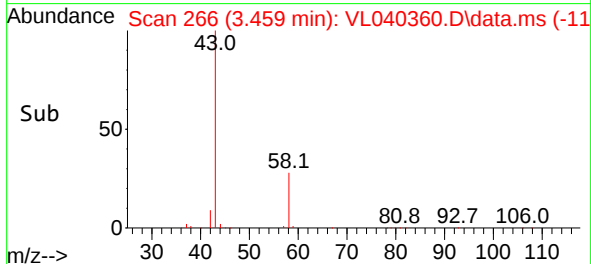
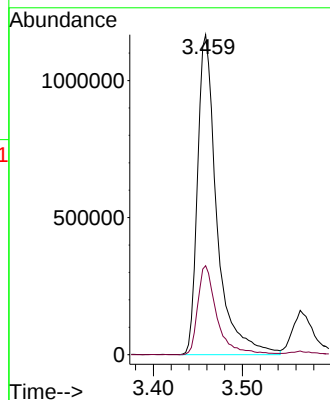
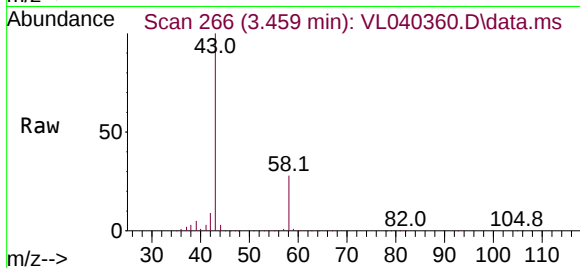
58 27.6 21.8 32.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#16

1,3-Butadiene

Concen: 15.190 ppbv

RT: 2.973 min Scan# 115

Delta R.T. -0.003 min

Lab File: VL040360.D

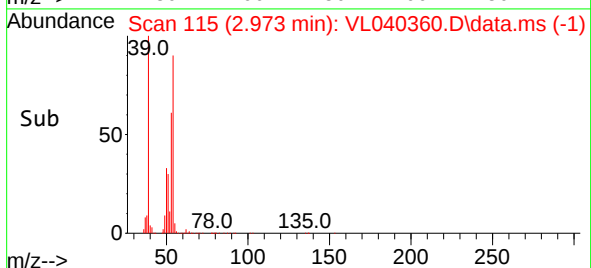
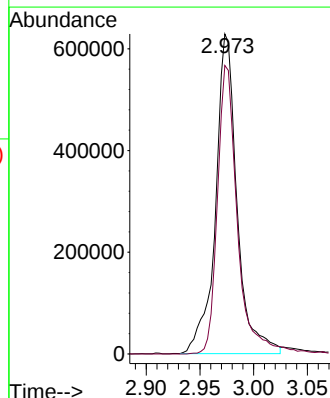
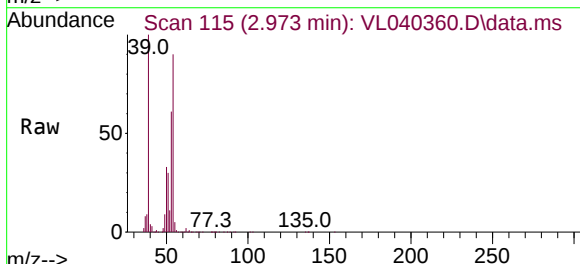
Acq: 13 Apr 2023 14:00

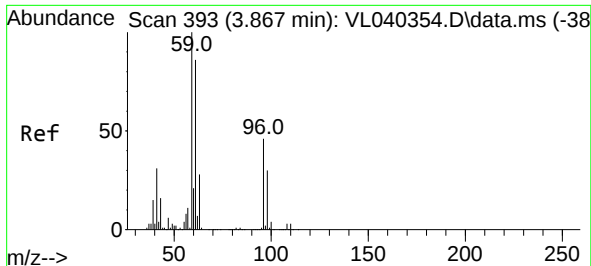
Tgt Ion: 39 Resp: 877571

Ion Ratio Lower Upper

39 100

54 84.6 68.4 102.6





#17

tert-Butyl alcohol

Concen: 15.388 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 1858714

Ion Ratio Lower Upper

59 100

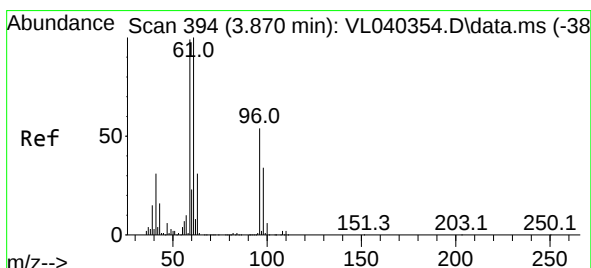
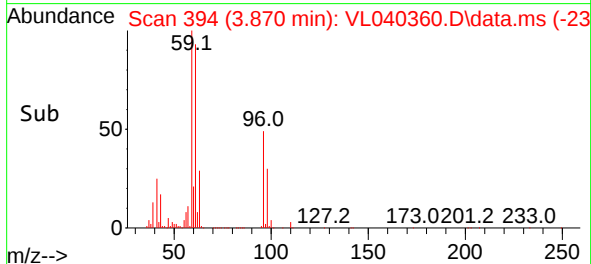
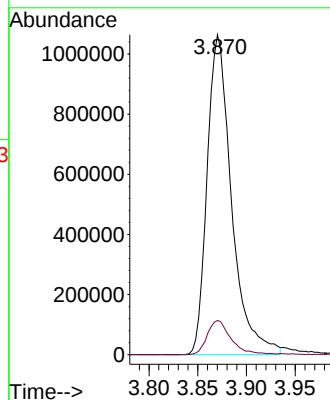
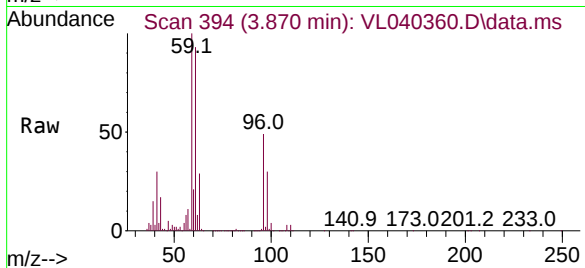
57 10.8 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#18

1,1-Dichloroethene

Concen: 14.347 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.004 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

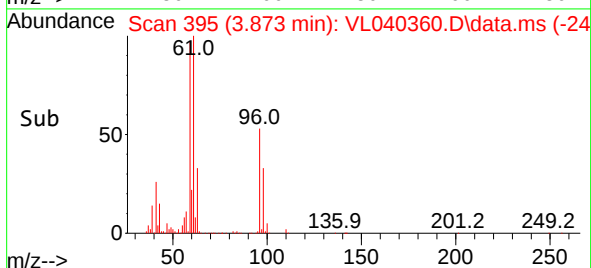
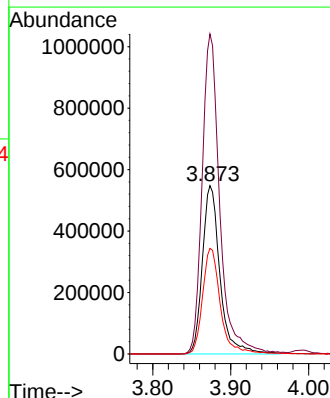
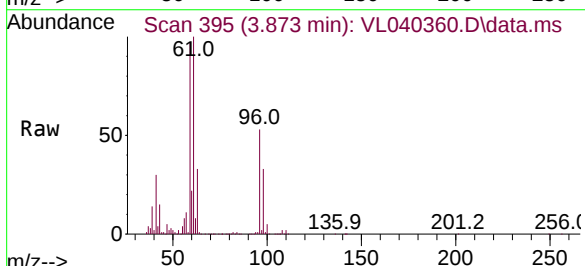
Tgt Ion: 96 Resp: 857822

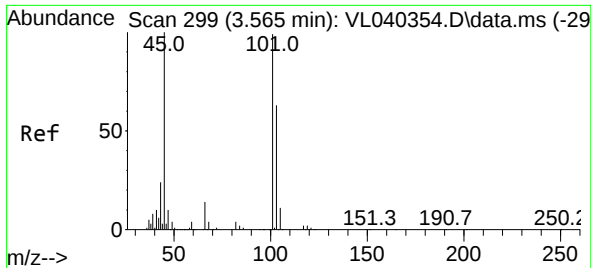
Ion Ratio Lower Upper

96 100

61 190.0 150.6 226.0

98 62.8 50.3 75.5





#19

Isopropyl Alcohol

Concen: 15.112 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 45 Resp: 920070

Ion Ratio Lower Upper

45 100

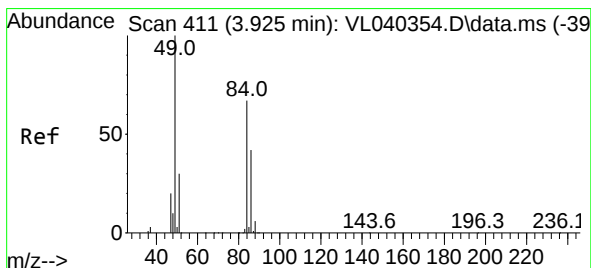
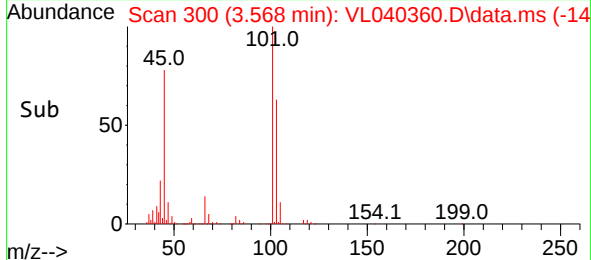
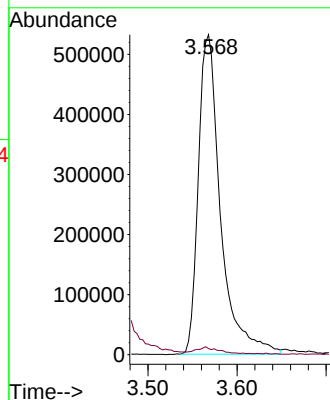
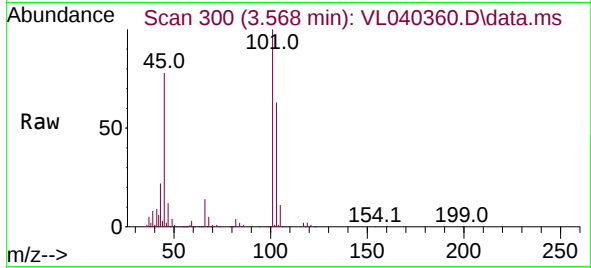
58 2.9 2.7 4.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#20

Methylene Chloride

Concen: 13.547 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Tgt Ion: 84 Resp: 724362

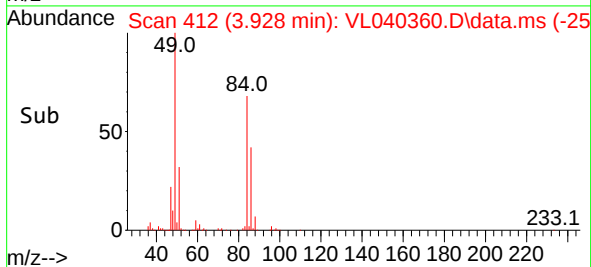
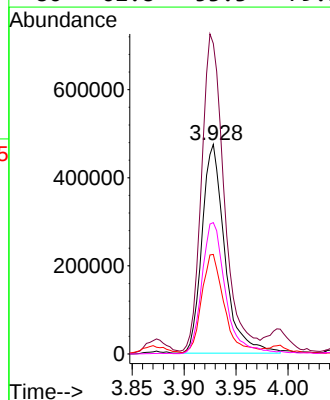
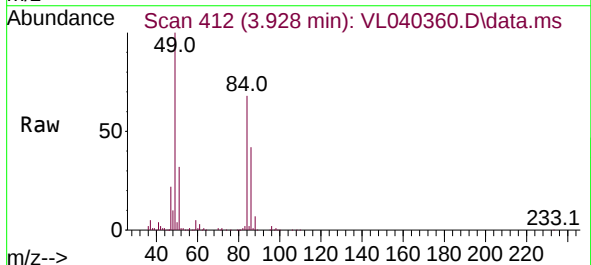
Ion Ratio Lower Upper

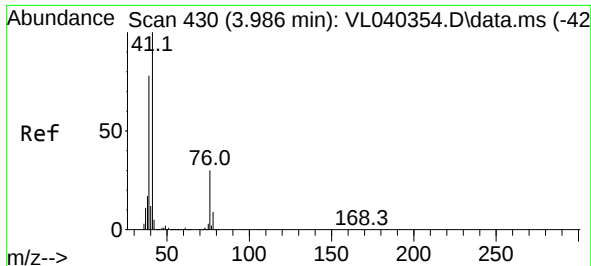
84 100

49 147.3 117.5 176.3

51 46.9 36.9 55.3

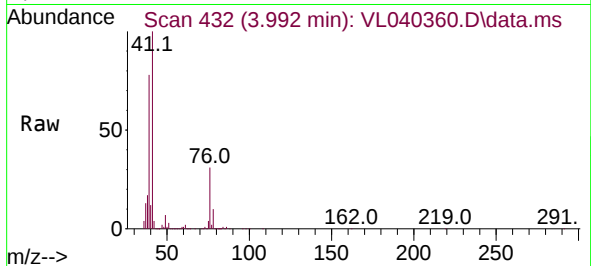
86 62.8 53.3 79.9





#21
 Allyl Chloride
 Concen: 14.741 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

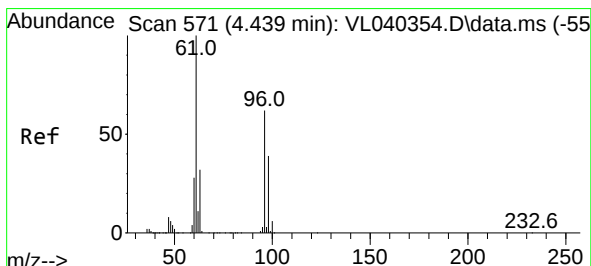
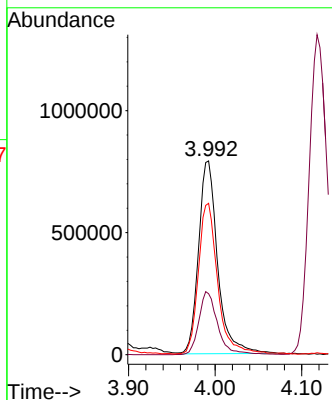
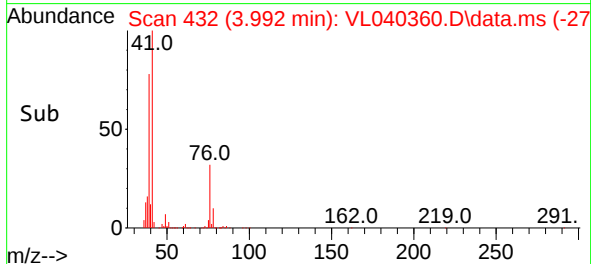
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



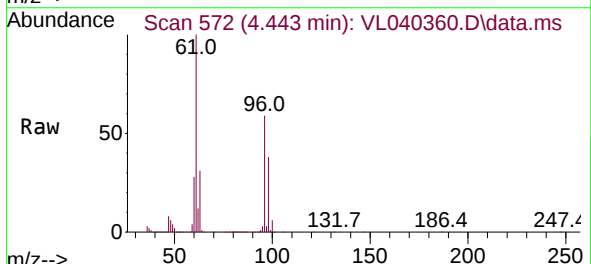
Tgt Ion: 41 Resp: 1213570
 Ion Ratio Lower Upper
 41 100
 76 32.3 25.4 38.0
 39 79.3 65.4 98.2

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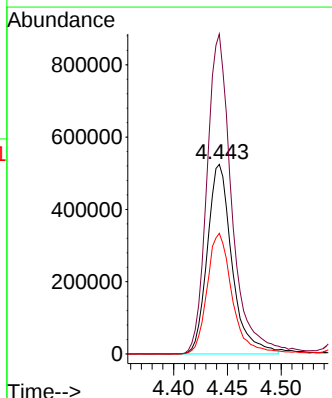
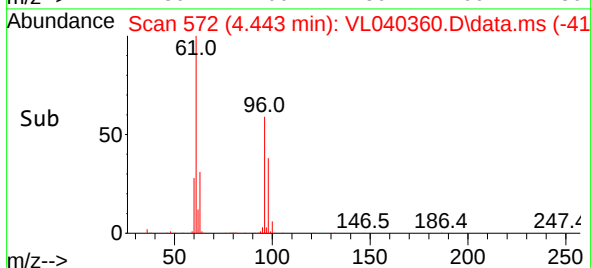
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

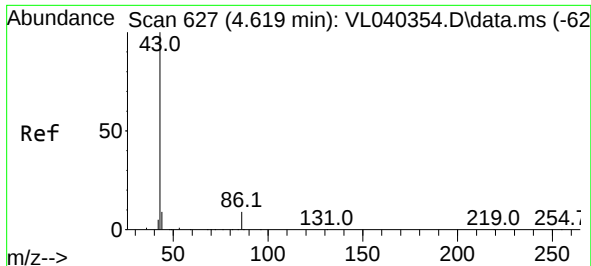


#22
 trans-1,2-Dichloroethene
 Concen: 13.780 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. 0.004 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00



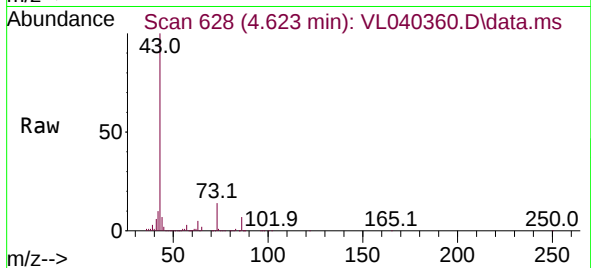
Tgt Ion: 96 Resp: 838620
 Ion Ratio Lower Upper
 96 100
 61 168.8 125.4 188.2
 98 63.7 49.8 74.6





#23
 Vinyl Acetate
 Concen: 14.700 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

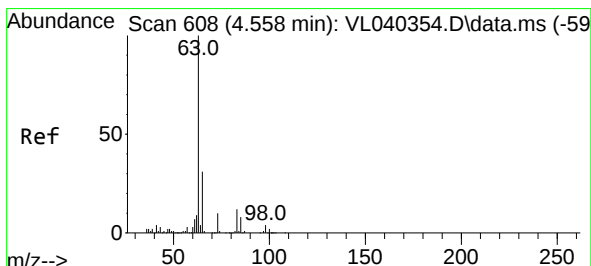
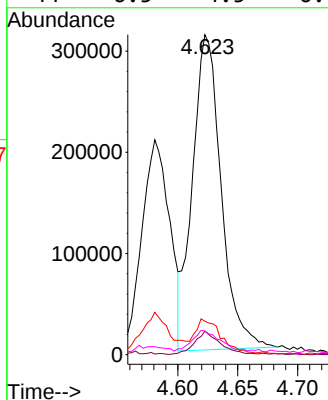
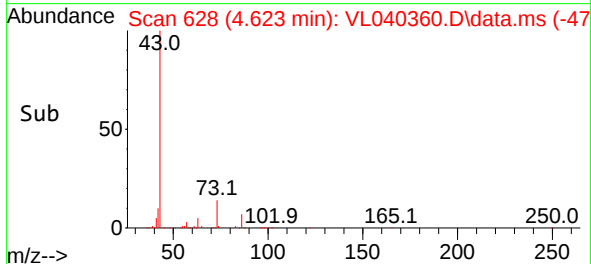
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 43 Resp: 51978
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.0 7.4
 42 10.4 9.1 13.7
 44 6.5 4.5 6.7

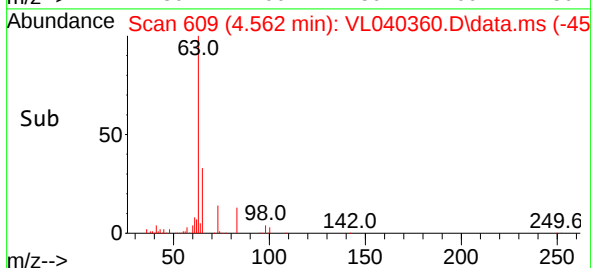
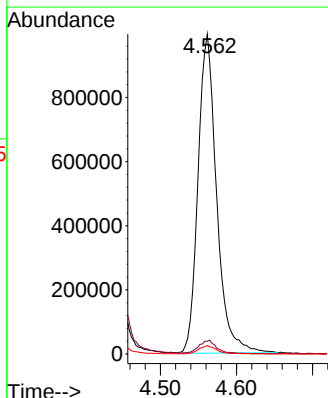
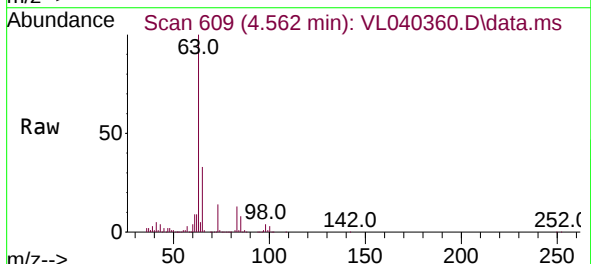
Manual Integrations
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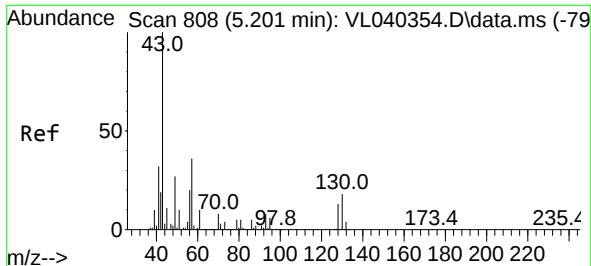
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#24
 1,1-Dichloroethane
 Concen: 13.410 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.004 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

Tgt Ion: 63 Resp: 1691271
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.4 7.2
 100 2.6 1.2 3.6





#25

Ethyl Acetate

Concen: 14.611 ppbv

RT: 5.205 min Scan# 809

Delta R.T. 0.004 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 347658

Ion Ratio Lower Upper

43 100

45 10.8 8.6 12.8

61 10.8 8.4 12.6

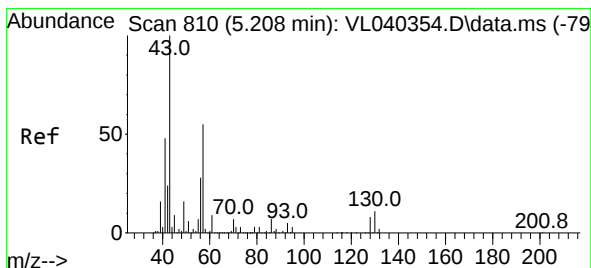
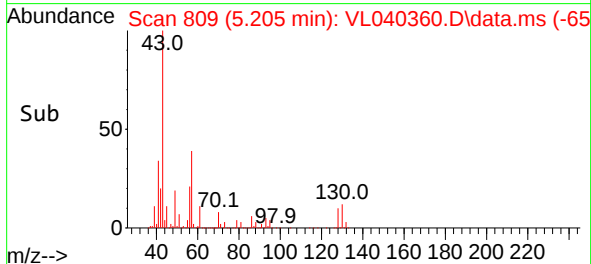
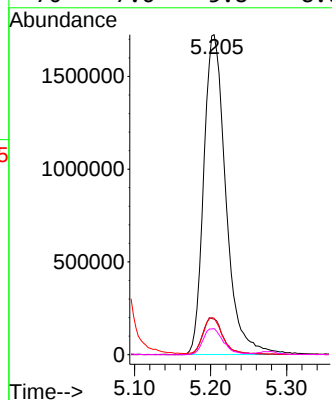
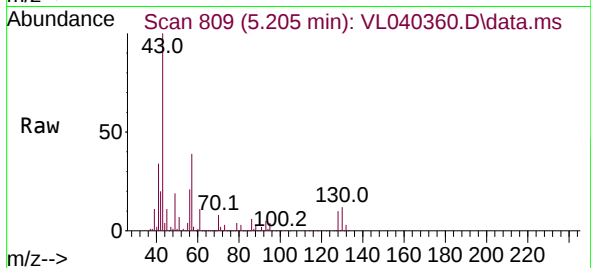
70 7.6 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#26

Hexane

Concen: 15.356 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Tgt Ion: 57 Resp: 1499875

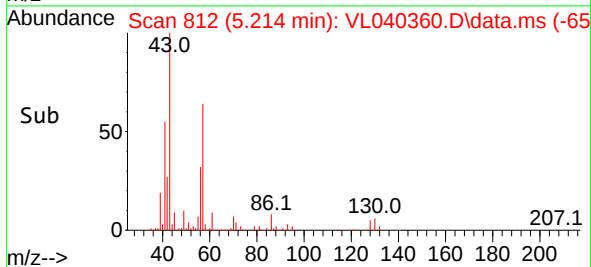
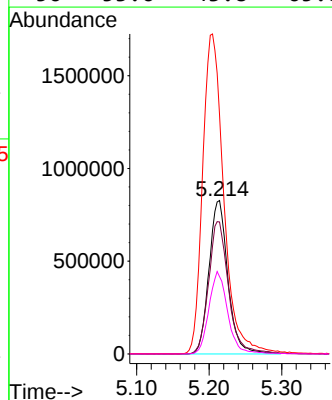
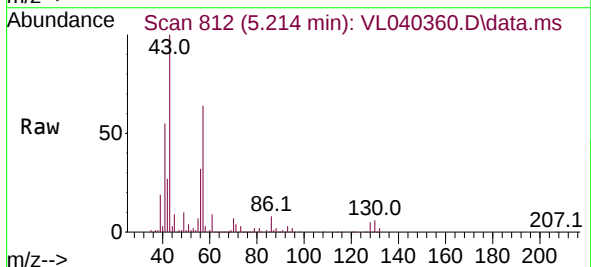
Ion Ratio Lower Upper

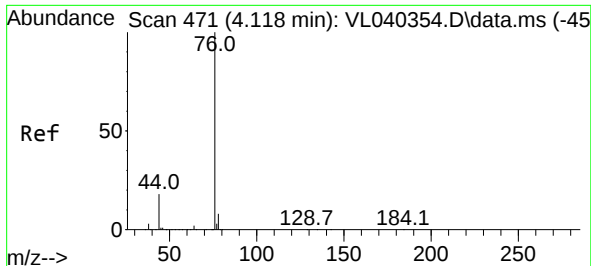
57 100

41 91.5 73.5 110.3

43 233.4 196.3 294.5

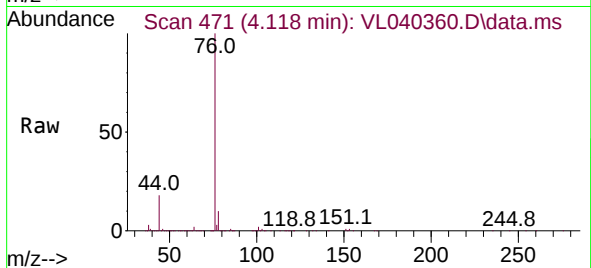
56 53.6 43.8 65.8





#27
Carbon Disulfide
Concen: 15.595 ppbv
RT: 4.118 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

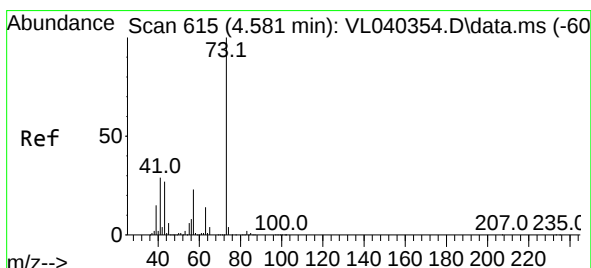
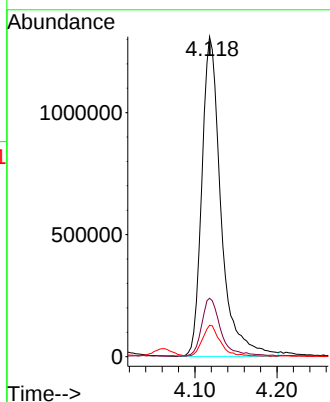
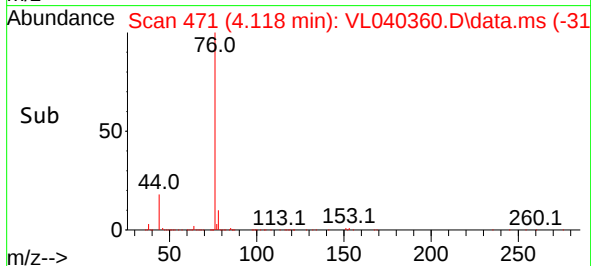
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



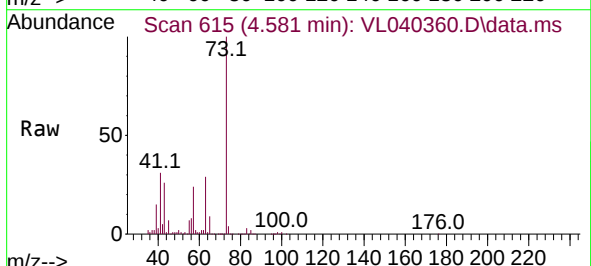
Tgt Ion: 76 Resp: 212746
Ion Ratio Lower Upper
76 100
44 18.3 15.2 22.8
78 9.5 7.6 11.4

Manual Integrations
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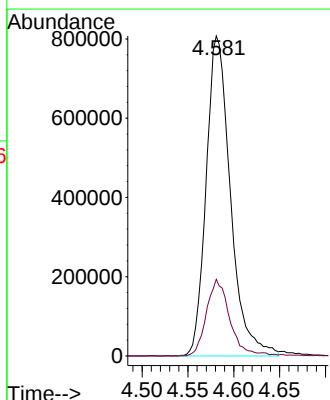
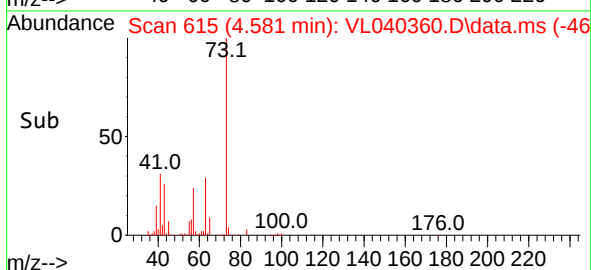
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

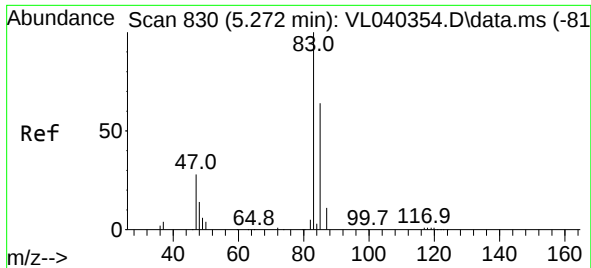


#28
Methyl tert-Butyl Ether
Concen: 13.248 ppbv
RT: 4.581 min Scan# 615
Delta R.T. -0.000 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



Tgt Ion: 73 Resp: 1485701
Ion Ratio Lower Upper
73 100
57 23.5 18.4 27.6





#29

Chloroform

Concen: 15.019 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 259038

Ion Ratio Lower Upper

83 100

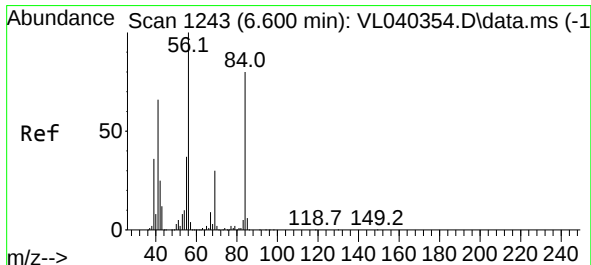
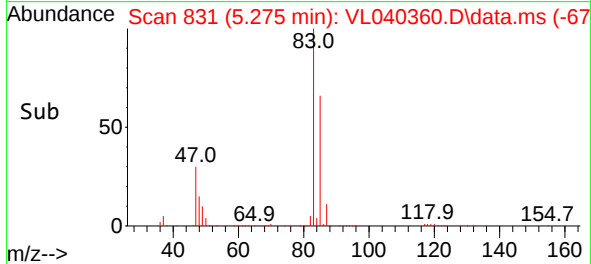
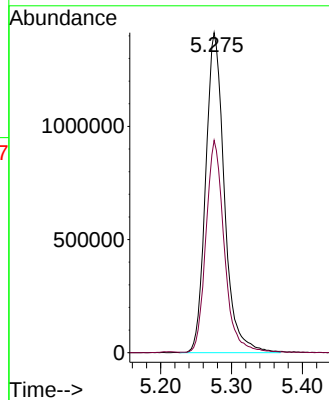
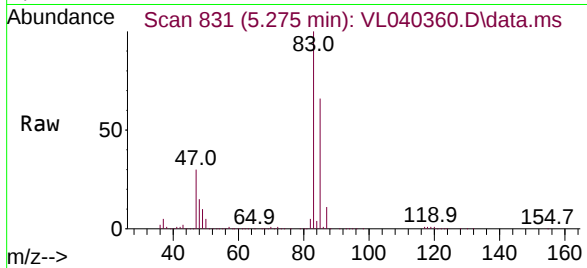
85 66.2 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#30

Cyclohexane

Concen: 16.383 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

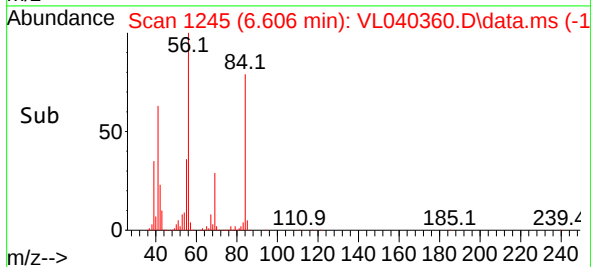
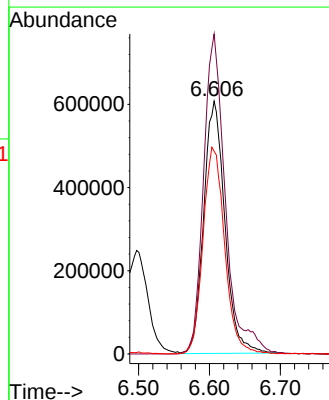
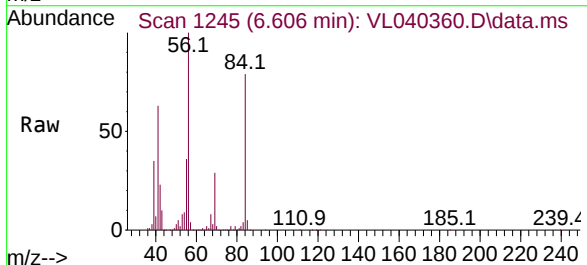
Tgt Ion: 84 Resp: 1260906

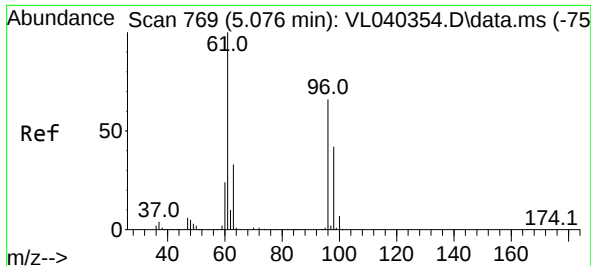
Ion Ratio Lower Upper

84 100

56 130.8 109.0 163.4

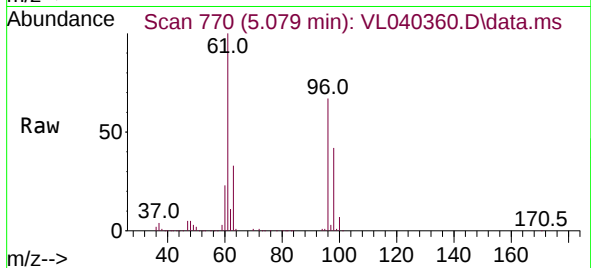
41 83.7 67.9 101.9





#31
 cis-1,2-Dichloroethene
 Concen: 16.305 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

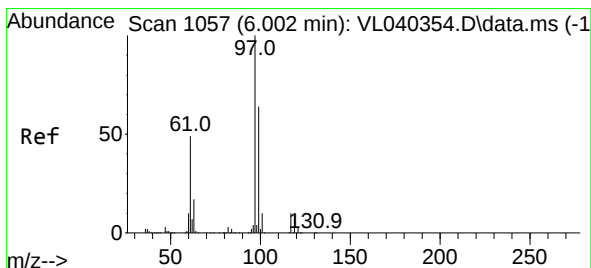
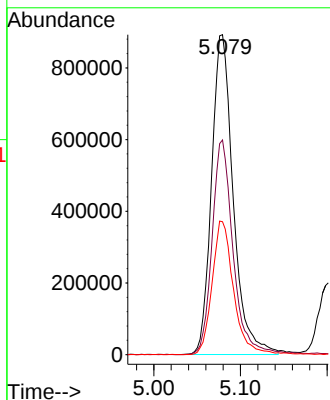
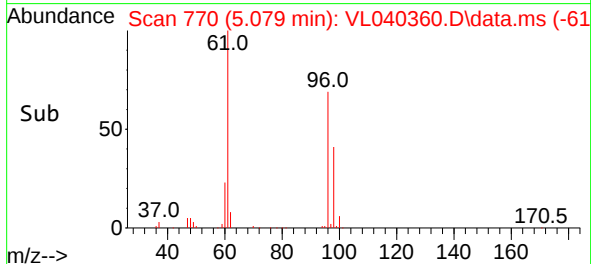
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 61 Resp: 1550919
 Ion Ratio Lower Upper
 61 100
 96 67.1 51.8 77.8
 98 41.5 32.5 48.7

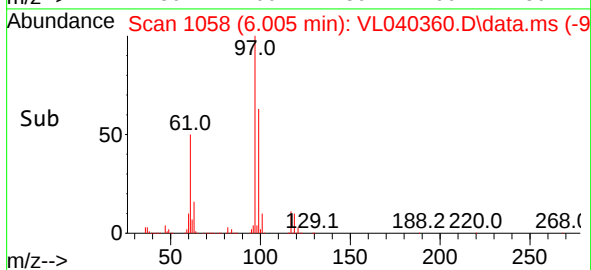
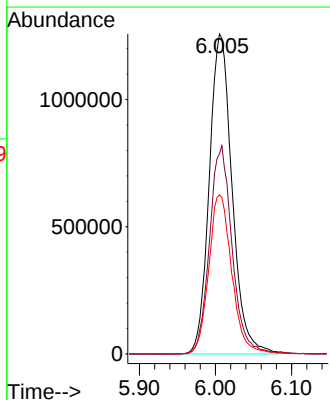
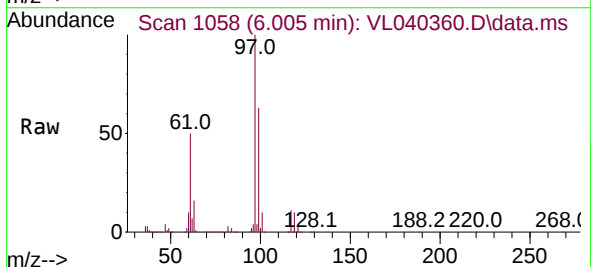
Manual Integrations
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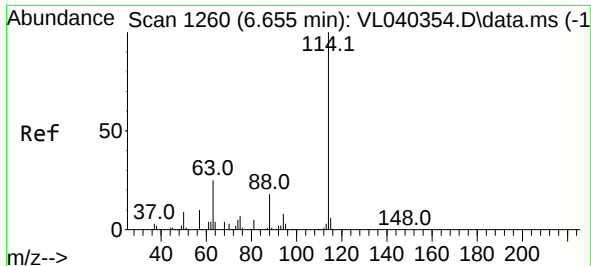
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#32
 1,1,1-Trichloroethane
 Concen: 15.845 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

Tgt Ion: 97 Resp: 2618130
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.2 78.2
 61 50.4 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 2589020

Ion Ratio Lower Upper

114 100

63 26.8 21.2 31.8

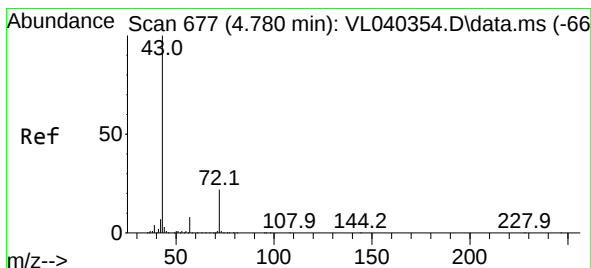
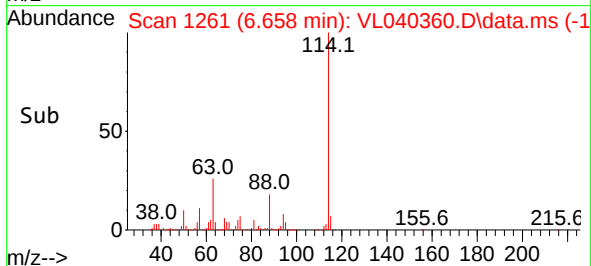
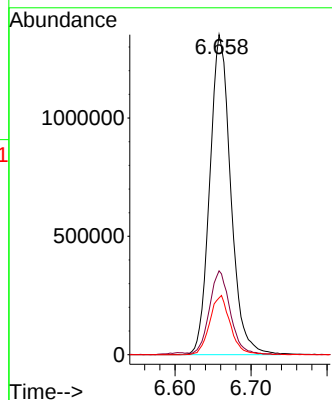
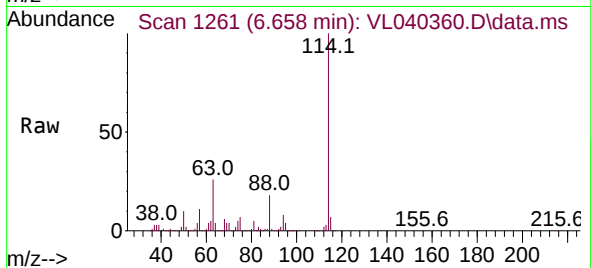
88 18.3 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#34

2-Butanone

Concen: 16.132 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL040360.D

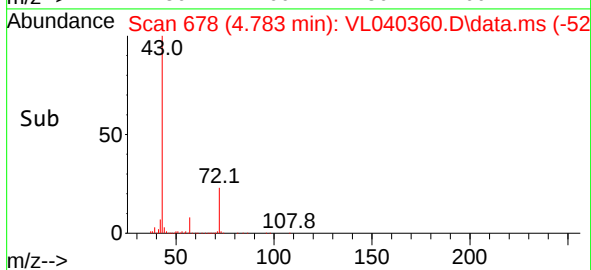
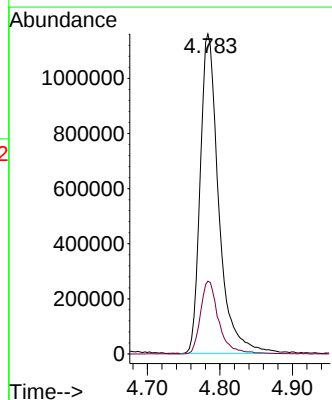
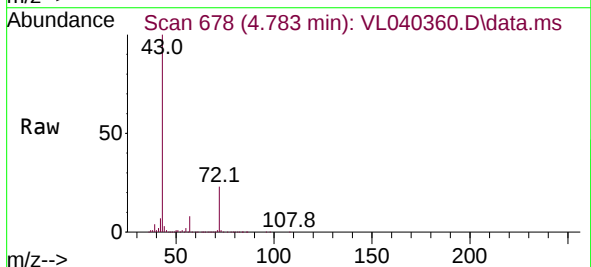
Acq: 13 Apr 2023 14:00

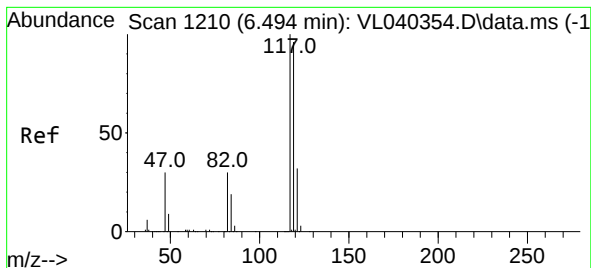
Tgt Ion: 43 Resp: 2061275

Ion Ratio Lower Upper

43 100

72 22.6 18.3 27.5





#35

Carbon Tetrachloride

Concen: 16.660 ppbv

RT: 6.497 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:117 Resp: 2706784

Ion Ratio Lower Upper

117 100

119 93.6 76.4 114.6

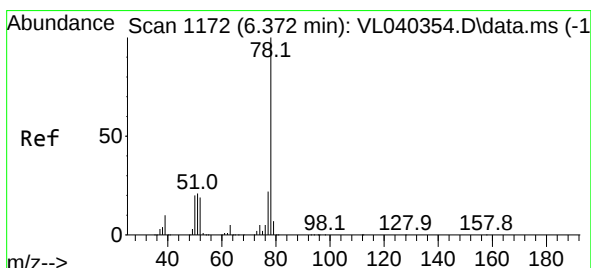
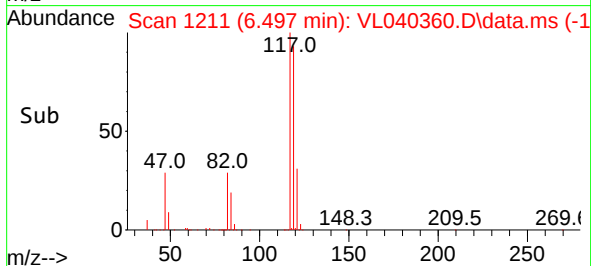
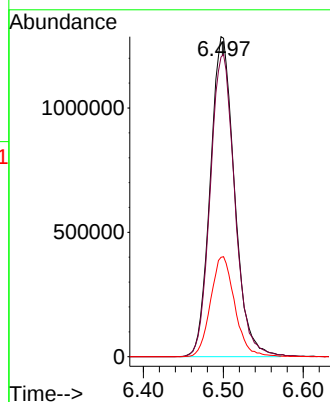
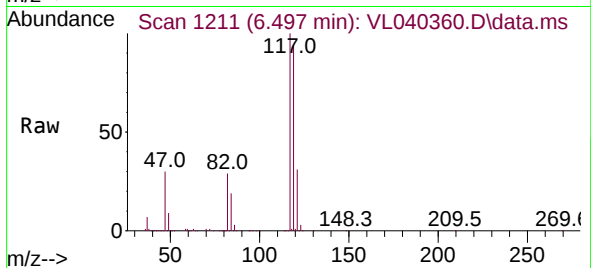
121 31.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#36

Benzene

Concen: 15.771 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

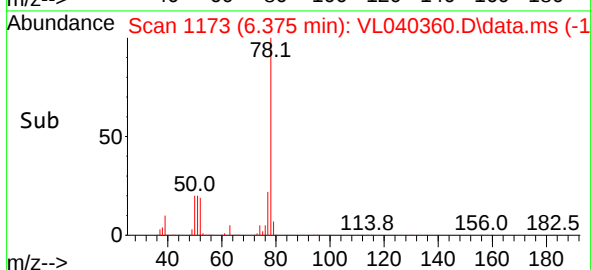
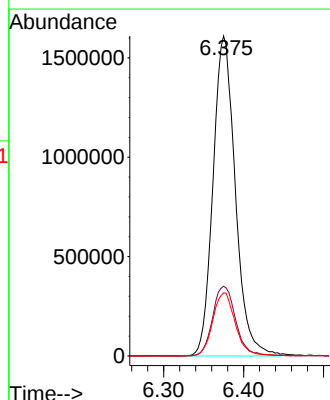
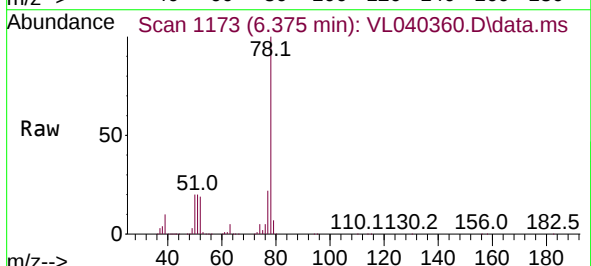
Tgt Ion: 78 Resp: 3111717

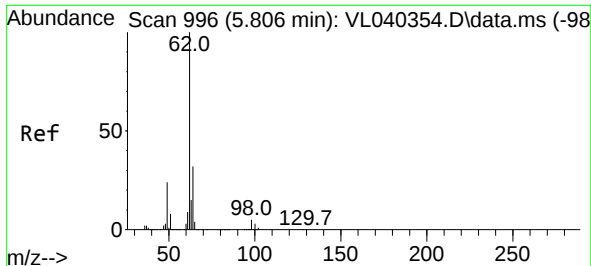
Ion Ratio Lower Upper

78 100

77 21.7 17.8 26.8

50 19.7 15.4 23.2





#37

1,2-Dichloroethane

Concen: 16.103 ppbv

RT: 5.809 min Scan# 996

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 2067934

Ion Ratio Lower Upper

62 100

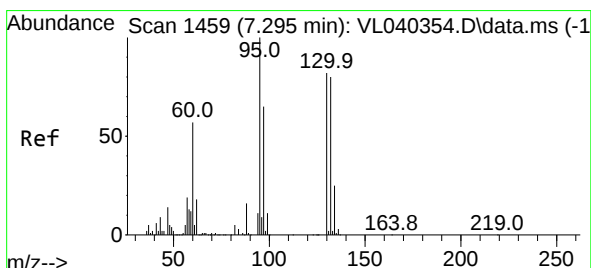
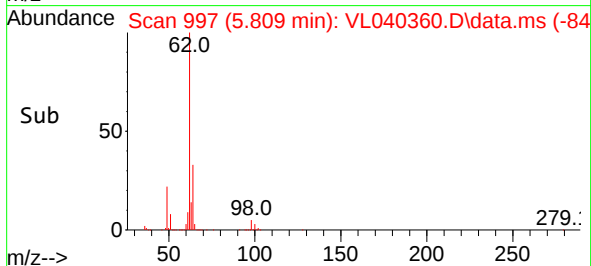
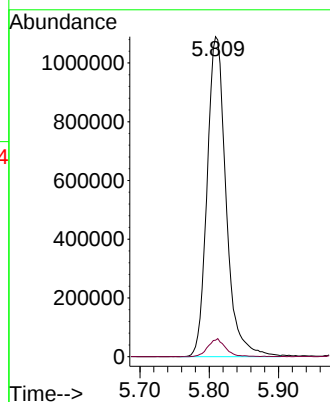
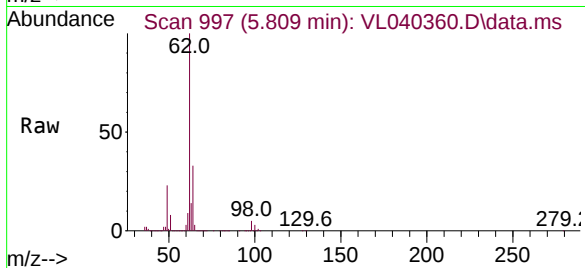
98 5.3 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#38

Trichloroethene

Concen: 18.306 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Tgt Ion:130 Resp: 1973696

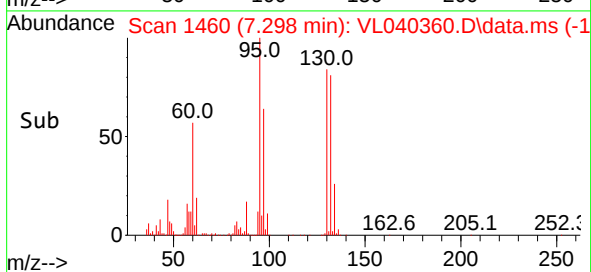
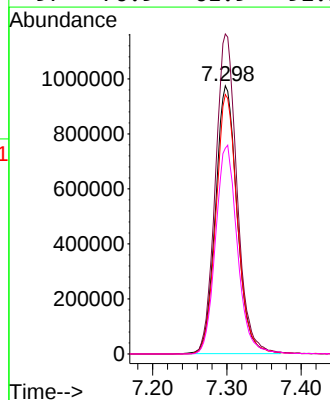
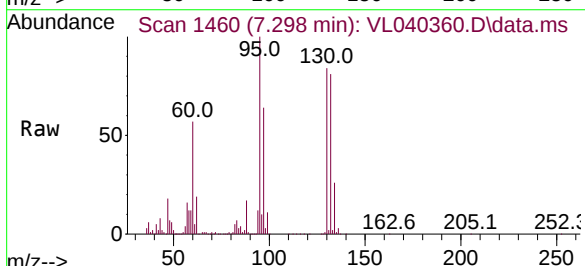
Ion Ratio Lower Upper

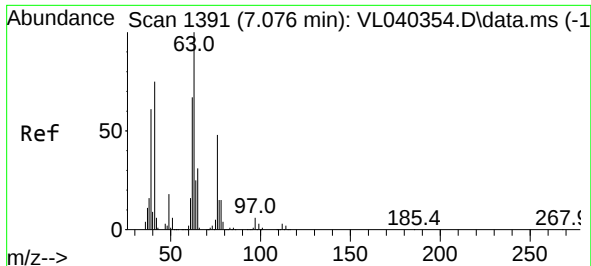
130 100

95 119.5 93.0 139.4

132 96.8 75.3 112.9

97 76.9 61.9 92.9





#39

1,2-Dichloropropane

Concen: 15.658 ppbv

RT: 7.079 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 1212070

Ion Ratio Lower Upper

63 100

41 75.8 60.8 91.2

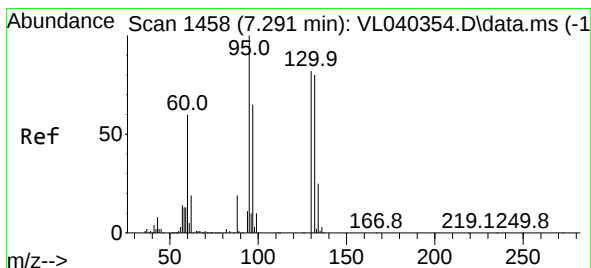
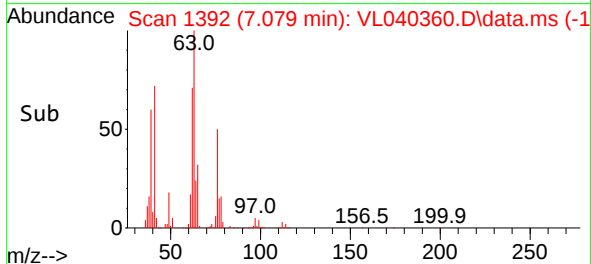
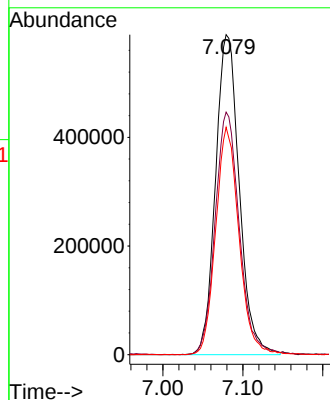
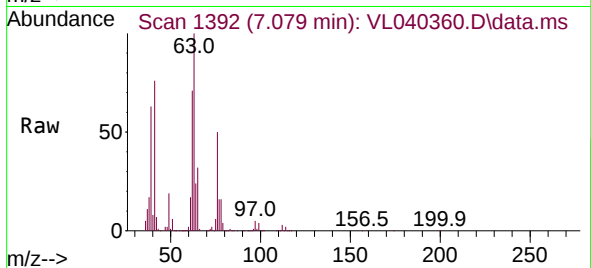
62 71.0 54.1 81.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#40

1,4-Dioxane

Concen: 14.842 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Tgt Ion: 88 Resp: 454542

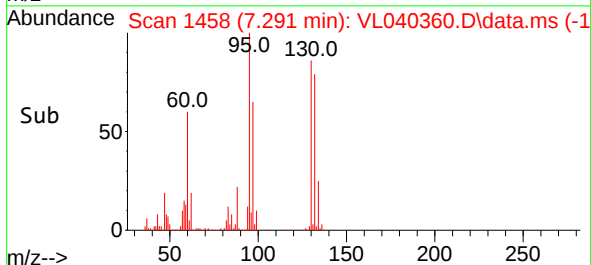
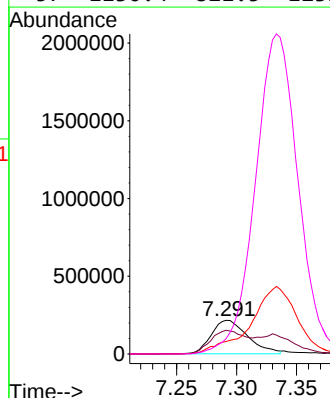
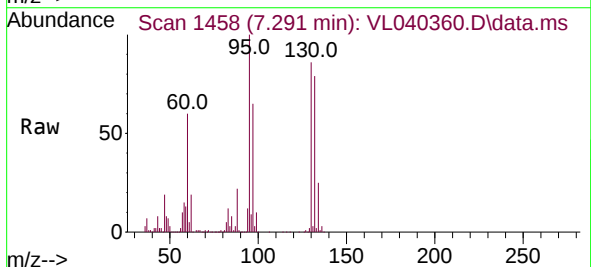
Ion Ratio Lower Upper

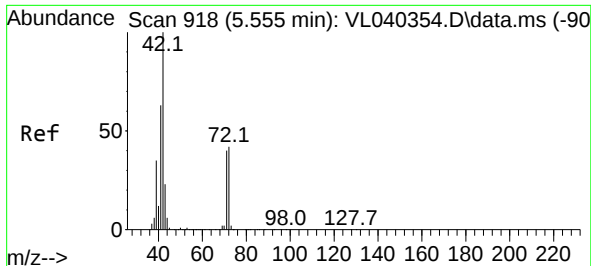
88 100

58 128.9 96.0 144.0

43 258.8 187.6 281.4

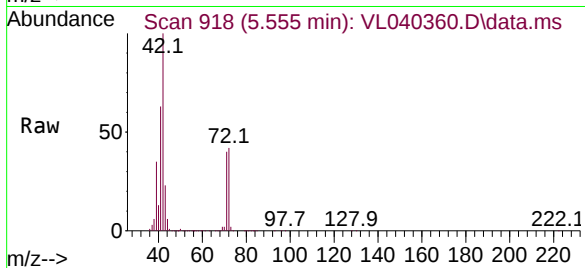
57 1130.4 821.5 1232.3





#41
Tetrahydrofuran
Concen: 16.033 ppbv
RT: 5.555 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

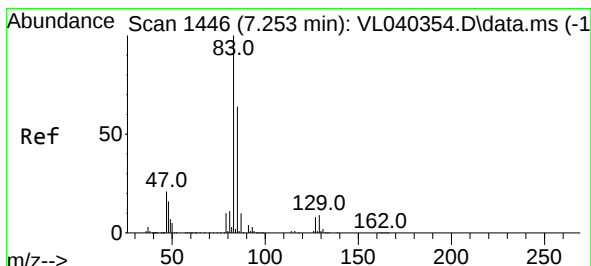
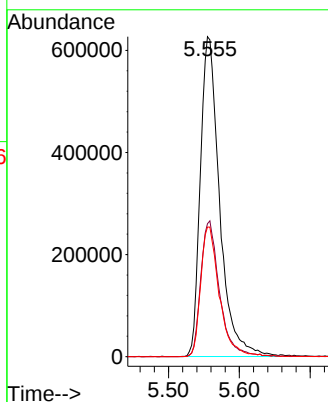
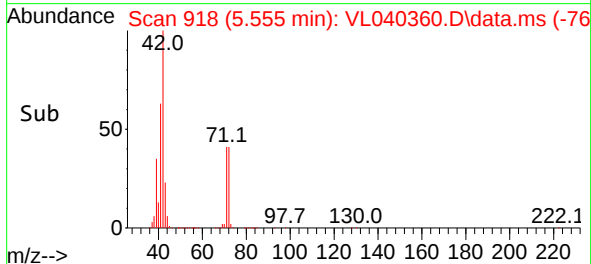
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



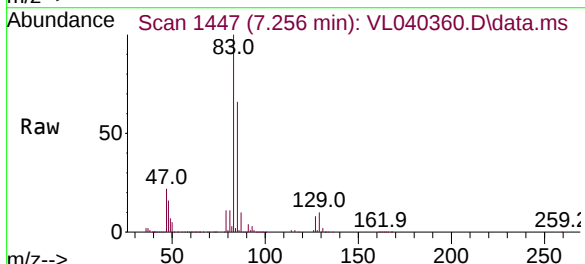
Tgt Ion: 42 Resp: 1182375
Ion Ratio Lower Upper
42 100
72 41.5 32.6 49.0
71 39.7 31.0 46.4

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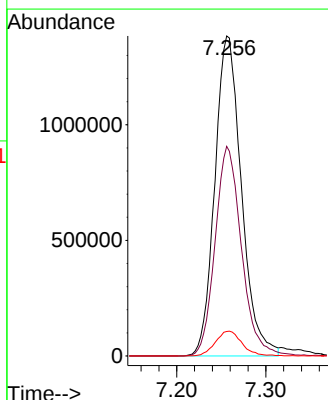
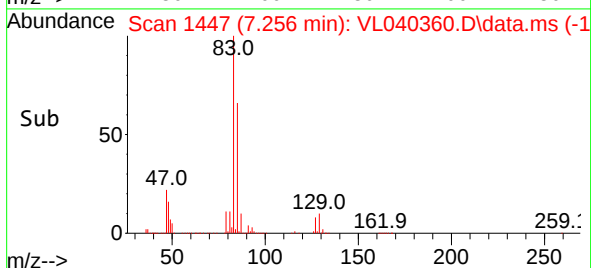
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

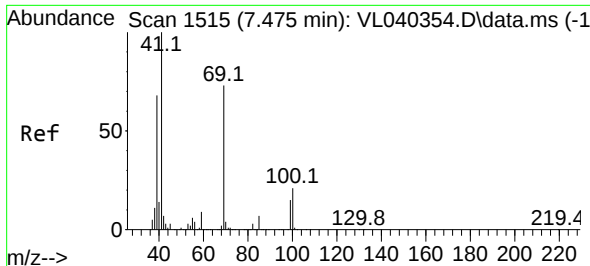


#42
Bromodichloromethane
Concen: 16.390 ppbv
RT: 7.256 min Scan# 1447
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



Tgt Ion: 83 Resp: 2876314
Ion Ratio Lower Upper
83 100
85 65.5 52.1 78.1
127 7.6 5.8 8.6





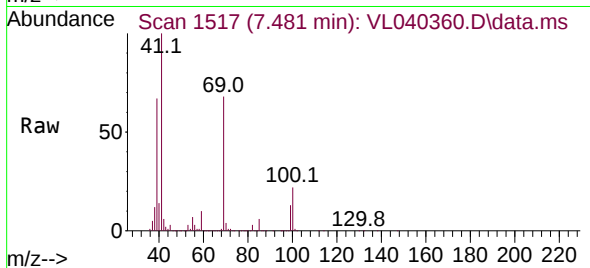
#43
Methyl Methacrylate
Concen: 17.411 ppbv
RT: 7.481 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

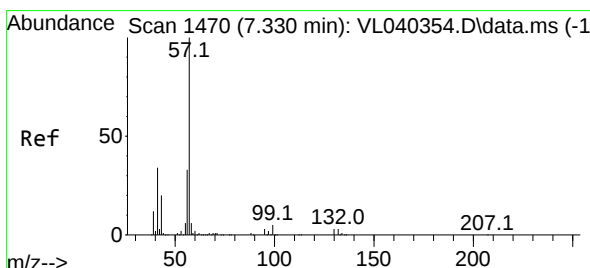
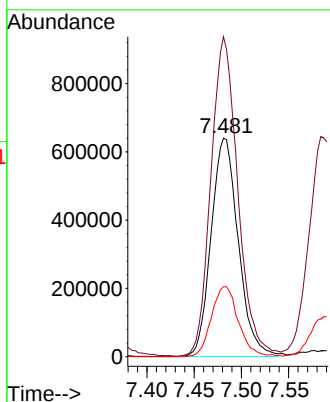
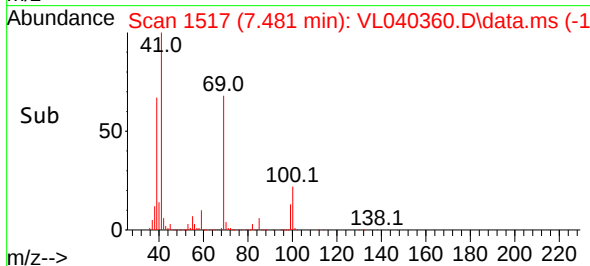


Tgt Ion: 69 Resp: 127658
Ion Ratio Lower Upper
69 100
41 145.4 116.9 175.3
100 31.9 24.2 36.4

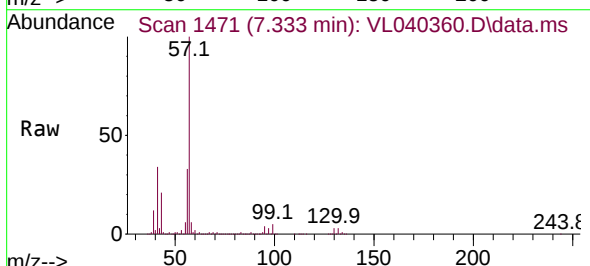
Manual Integrations

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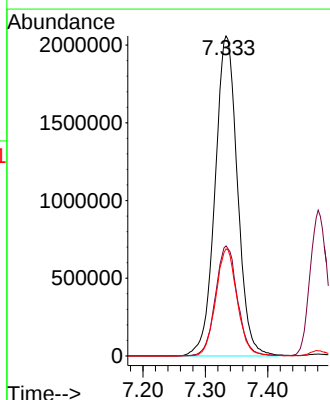
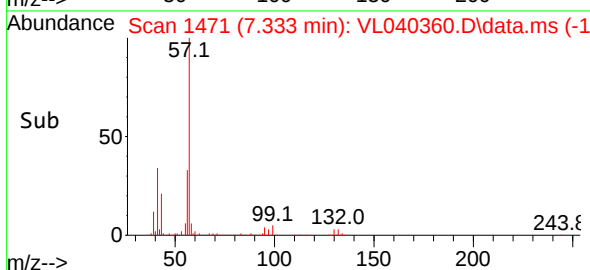
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

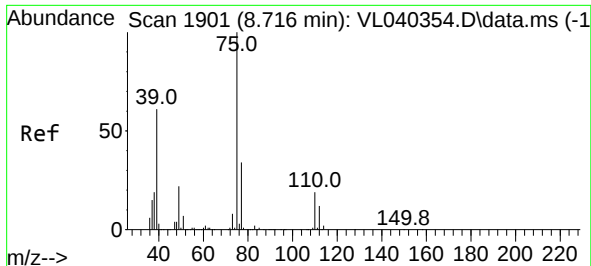


#44
2,2,4-Trimethylpentane
Concen: 15.599 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



Tgt Ion: 57 Resp: 5131580
Ion Ratio Lower Upper
57 100
41 33.9 26.8 40.2
56 32.1 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 20.922 ppbv

RT: 8.722 min Scan# 1901

Delta R.T. 0.009 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 133726

Ion Ratio Lower Upper

75 100

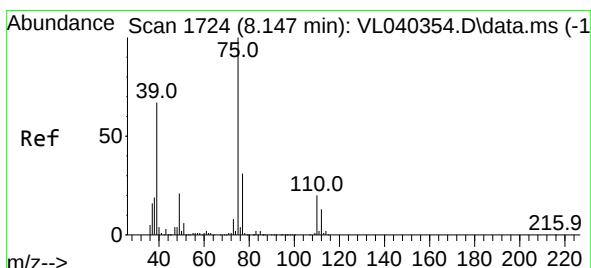
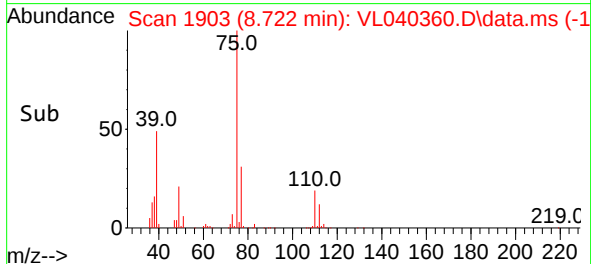
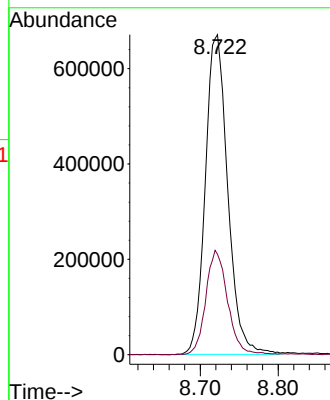
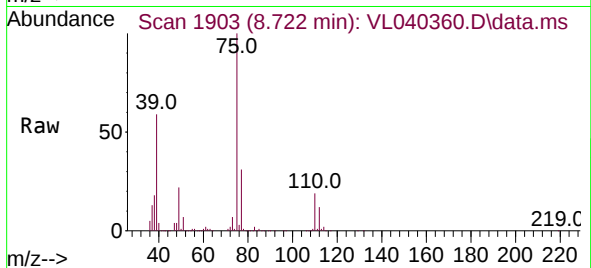
77 31.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#46

cis-1,3-Dichloropropene

Concen: 19.157 ppbv

RT: 8.150 min Scan# 1725

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

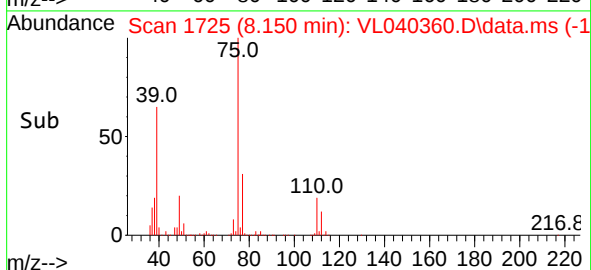
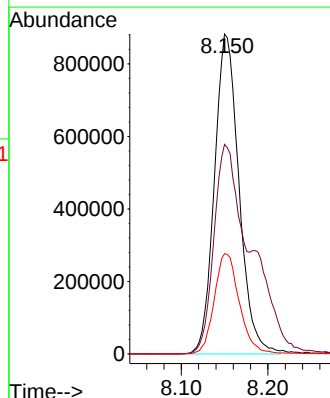
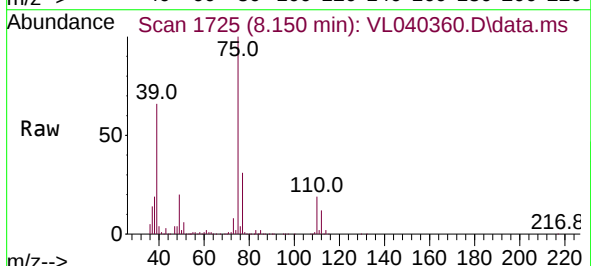
Tgt Ion: 75 Resp: 1738791

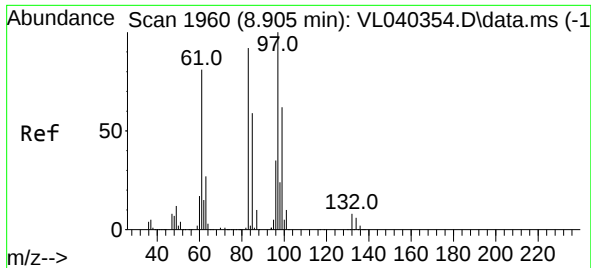
Ion Ratio Lower Upper

75 100

39 65.5 53.9 80.9

77 31.4 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 16.500 ppbv

RT: 8.909 min Scan# 1960

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1362830

Ion Ratio Lower Upper

97 100

83 90.0 68.6 103.0

85 58.5 46.0 69.0

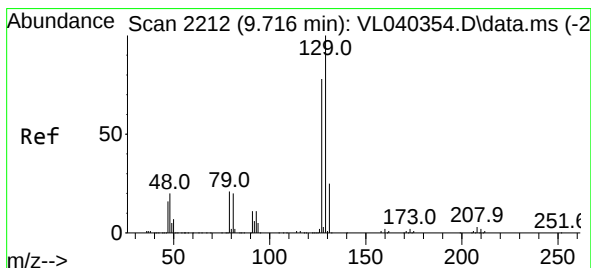
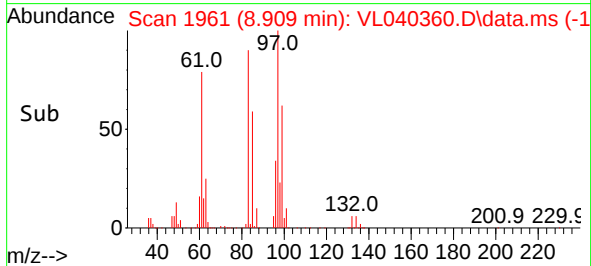
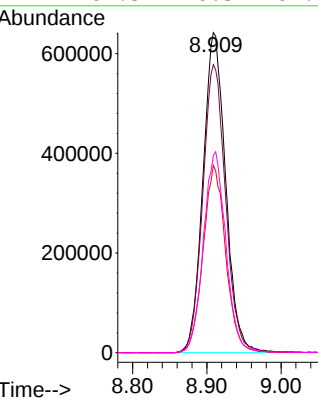
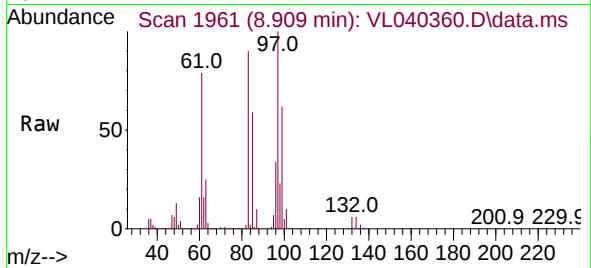
99 61.5 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#48

Dibromochloromethane

Concen: 17.629 ppbv

RT: 9.722 min Scan# 2214

Delta R.T. 0.006 min

Lab File: VL040360.D

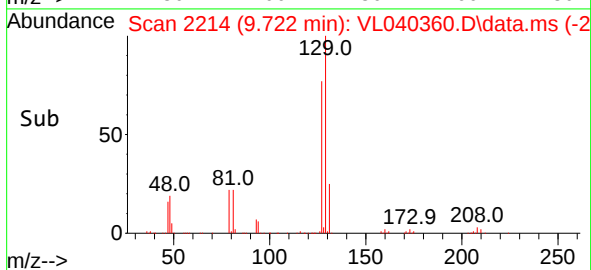
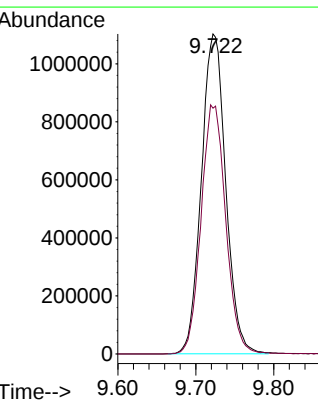
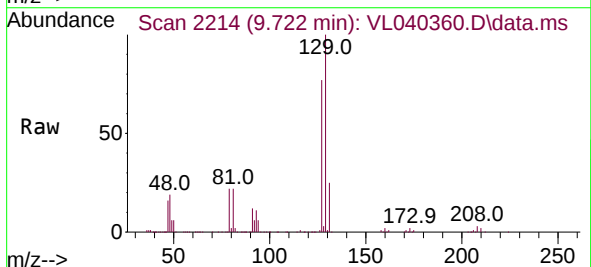
Acq: 13 Apr 2023 14:00

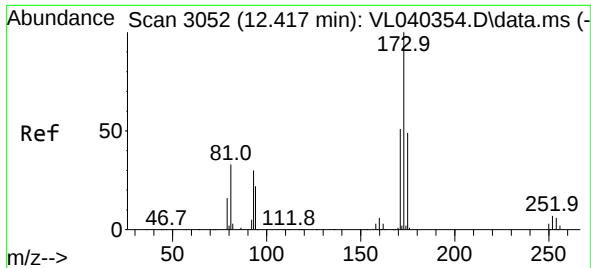
Tgt Ion:129 Resp: 2396102

Ion Ratio Lower Upper

129 100

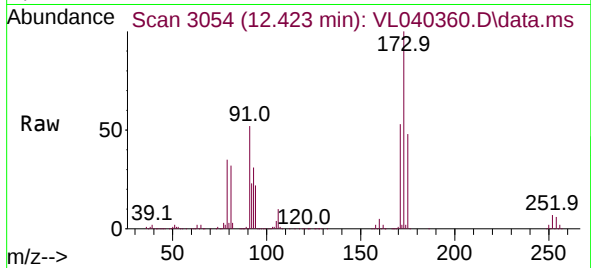
127 79.2 39.1 117.5





#49
Bromoform
Concen: 19.357 ppbv
RT: 12.423 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

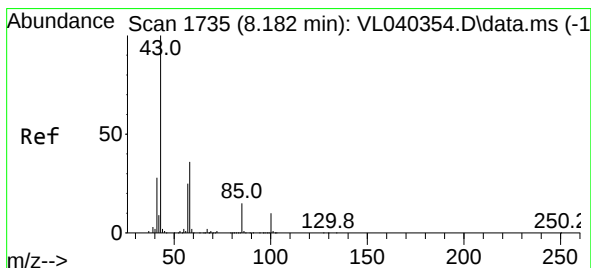
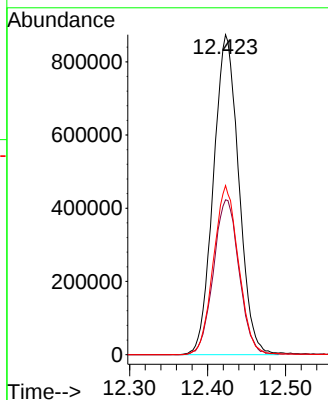
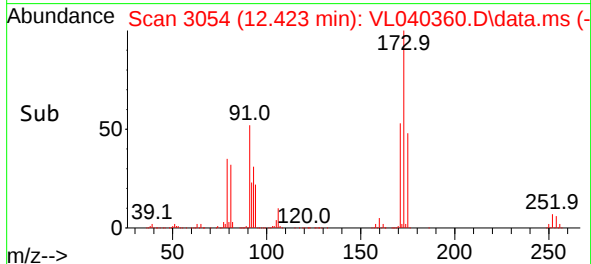
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 173 Resp: 1976058
Ion Ratio Lower Upper
173 100
175 49.2 39.8 59.8
171 52.6 42.2 63.4

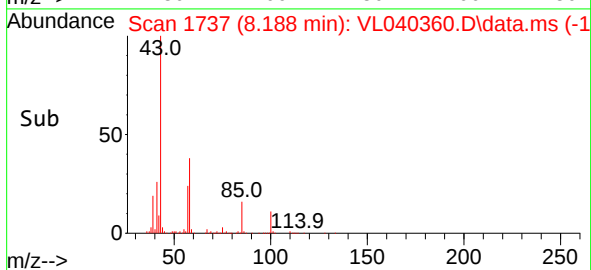
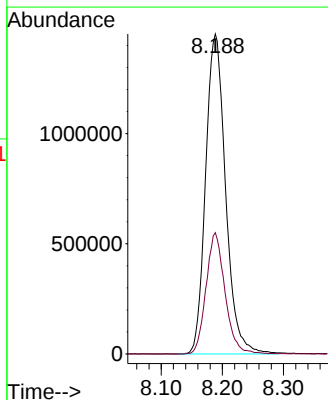
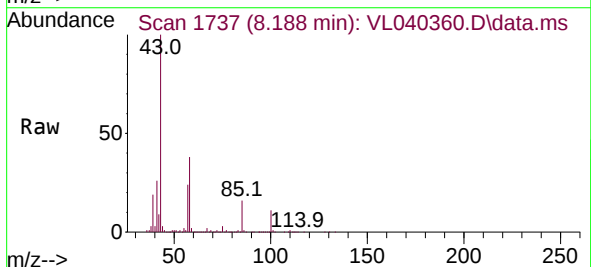
Manual Integrations
APPROVED

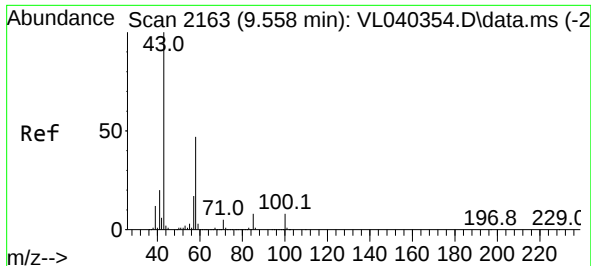
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#50
4-Methyl-2-Pentanone
Concen: 16.660 ppbv
RT: 8.188 min Scan# 1737
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

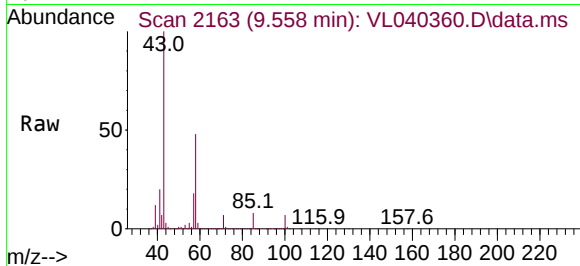
Tgt Ion: 43 Resp: 3294316
Ion Ratio Lower Upper
43 100
58 36.1 29.2 43.8





#51
2-Hexanone
Concen: 16.956 ppbv
RT: 9.558 min Scan# 2163
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

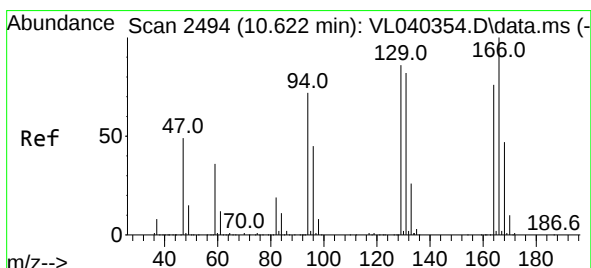
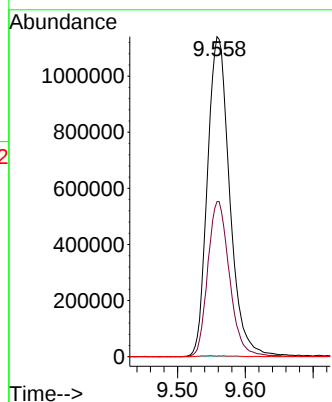
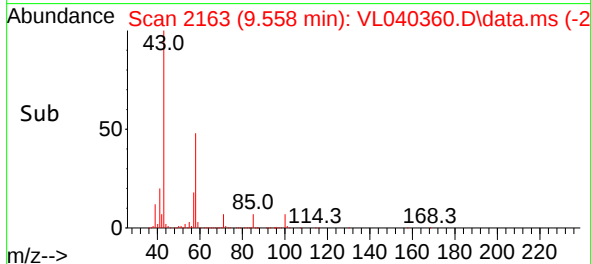
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



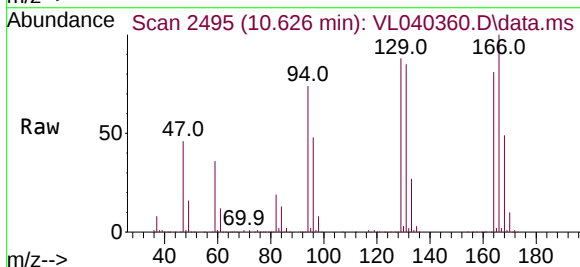
Tgt Ion: 43 Resp: 2597338
Ion Ratio Lower Upper
43 100
58 47.7 38.0 57.0
98 0.4 0.5 0.7

Manual Integrations
APPROVED

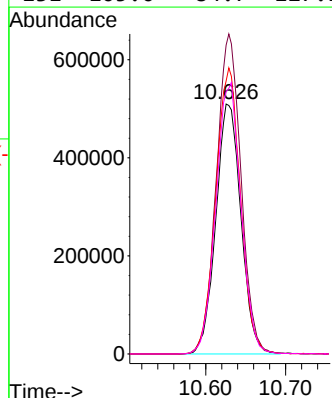
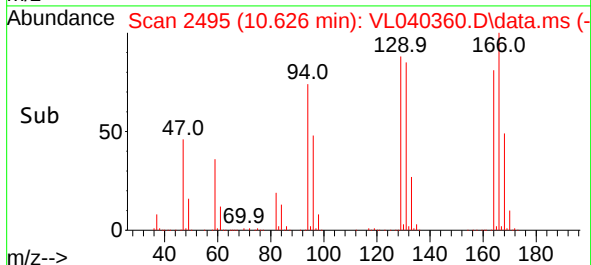
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

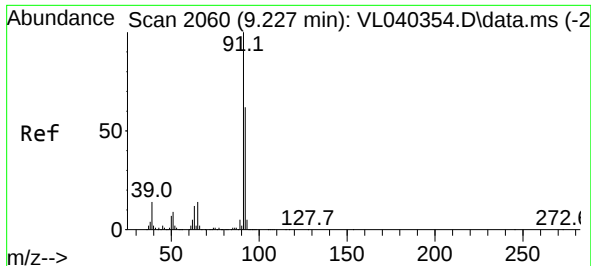


#52
Tetrachloroethene
Concen: 18.615 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.004 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



Tgt Ion:164 Resp: 1111199
Ion Ratio Lower Upper
164 100
166 123.5 101.8 152.6
129 109.2 90.2 135.2
131 105.0 84.7 127.1





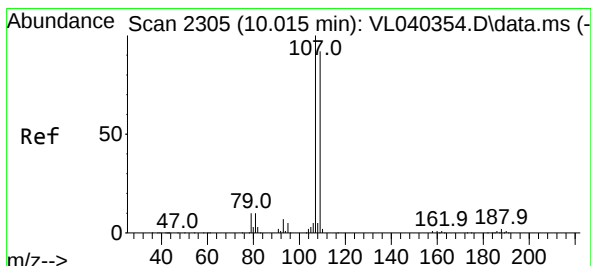
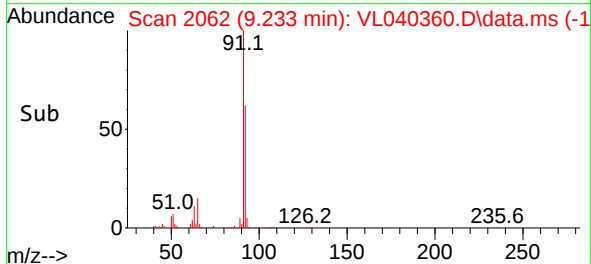
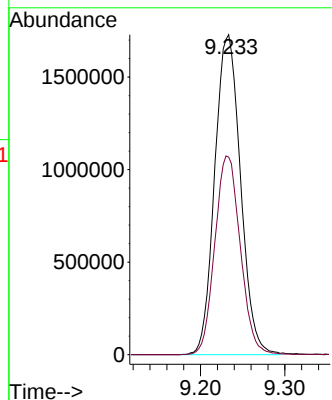
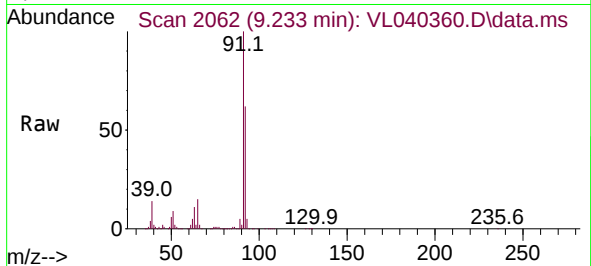
#53
Toluene
Concen: 17.783 ppbv
RT: 9.233 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 3677000
Ion Ratio Lower Upper
91 100
92 61.5 48.0 72.0

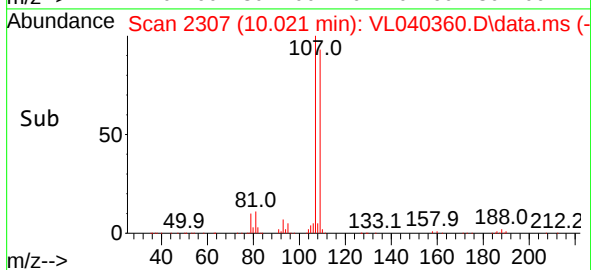
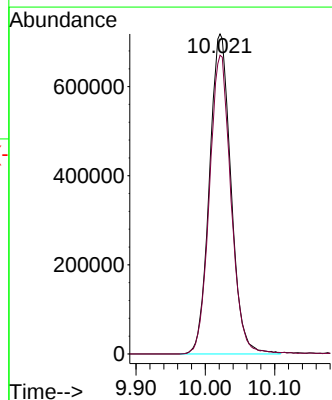
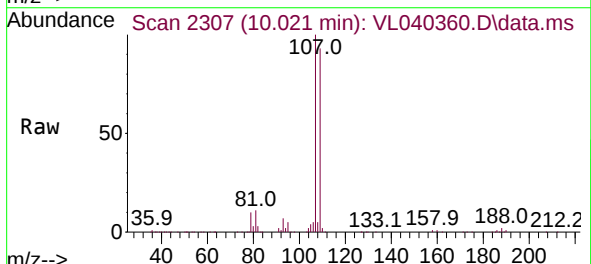
Manual Integrations
APPROVED

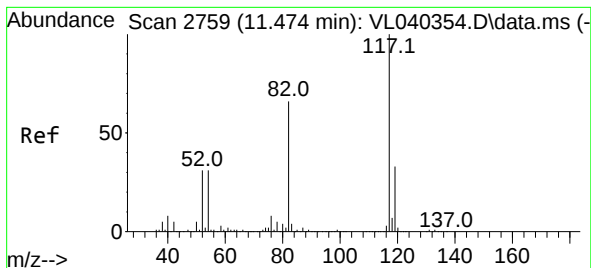
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#54
1,2-Dibromoethane
Concen: 18.187 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Tgt Ion:107 Resp: 1546159
Ion Ratio Lower Upper
107 100
109 93.3 77.0 115.6





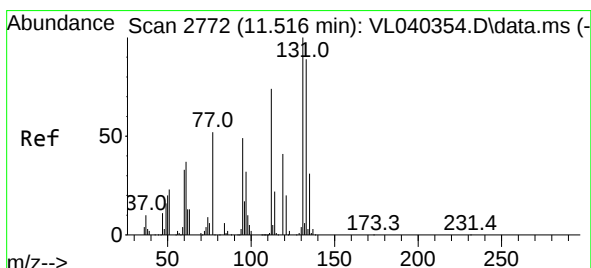
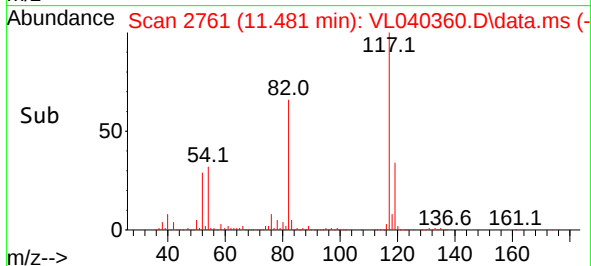
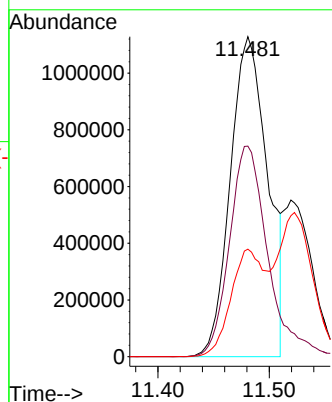
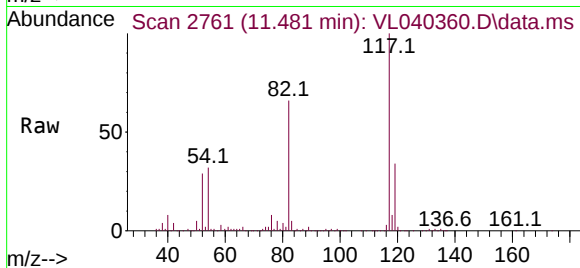
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2759
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 262618
Ion Ratio Lower Upper
117 100
82 68.0 51.4 77.2
119 26.6 24.0 36.0

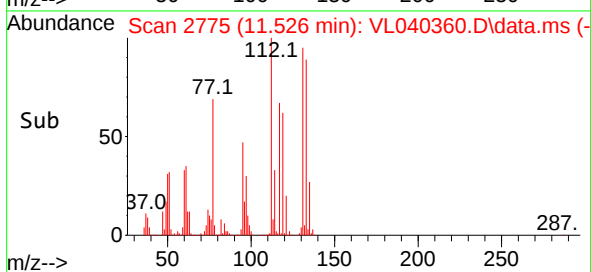
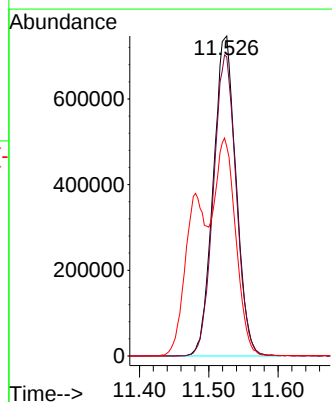
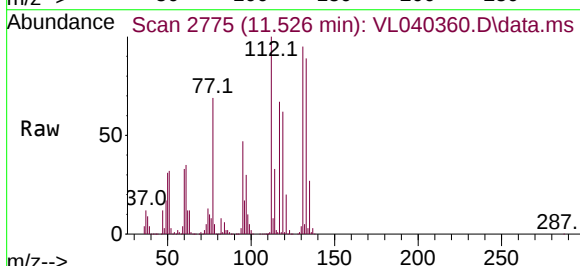
Manual Integrations
APPROVED

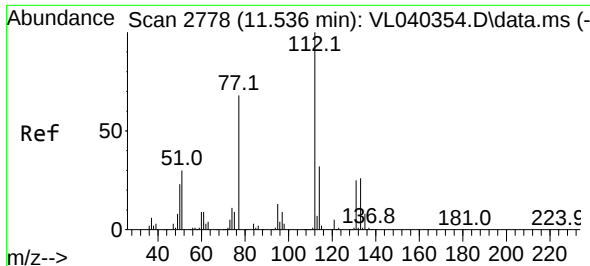
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 15.441 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.010 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

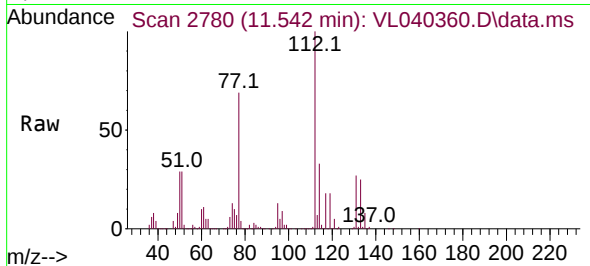
Tgt Ion:131 Resp: 1705841
Ion Ratio Lower Upper
131 100
133 94.5 76.5 114.7
119 65.1 47.9 71.9





#57
Chlorobenzene
Concen: 15.456 ppbv
RT: 11.542 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

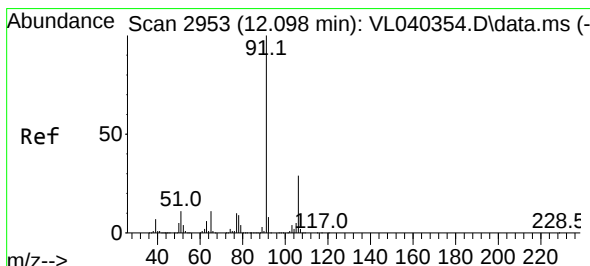
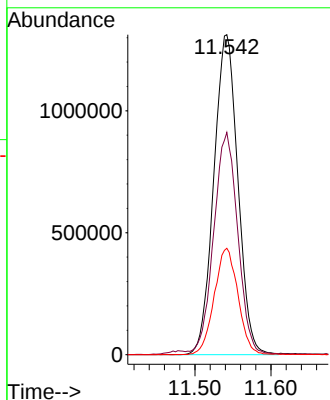
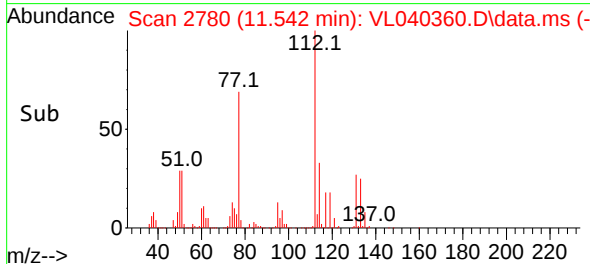
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



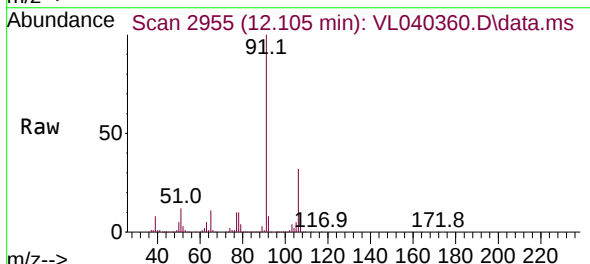
Tgt Ion: 112 Resp: 2887379
Ion Ratio Lower Upper
112 100
77 69.1 56.2 84.2
114 33.2 29.0 35.4

Manual Integrations
APPROVED

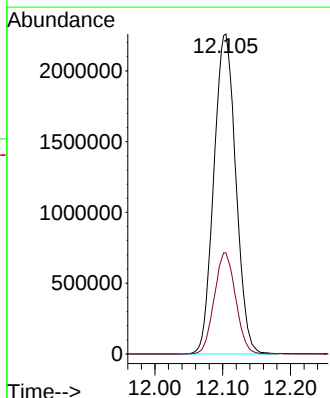
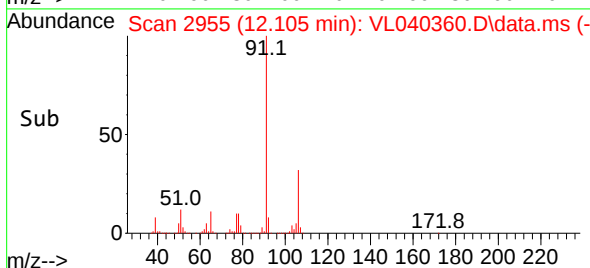
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

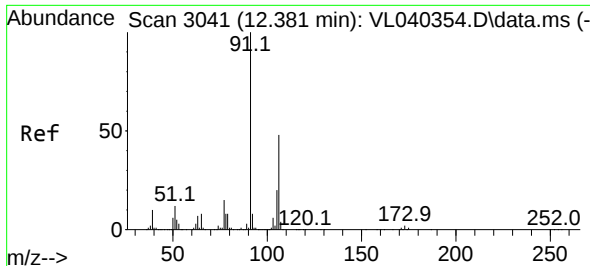


#58
Ethyl Benzene
Concen: 17.030 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.007 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



Tgt Ion: 91 Resp: 5092427
Ion Ratio Lower Upper
91 100
106 31.6 23.4 35.2





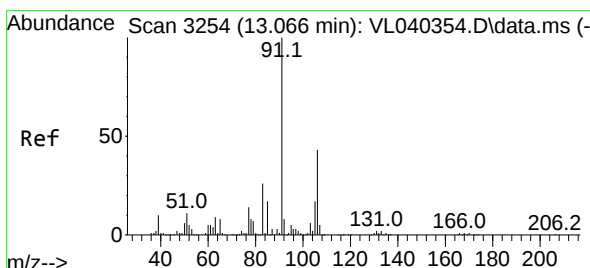
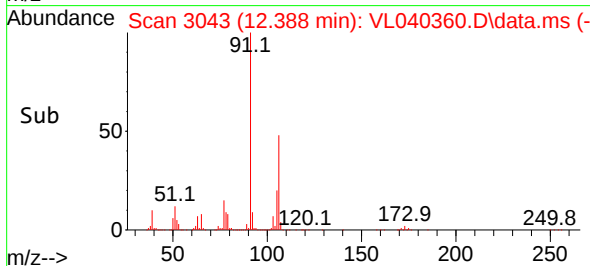
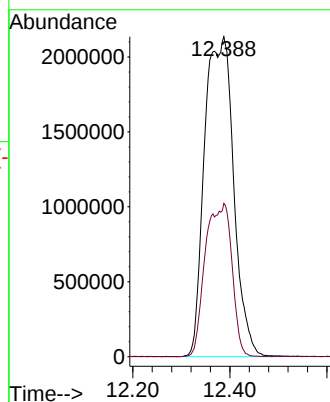
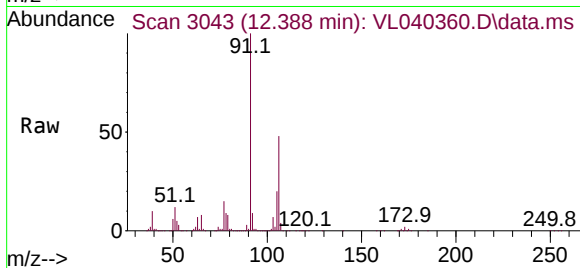
#59
m/p-Xylene
Concen: 32.450 ppbv m
RT: 12.388 min Scan# 3041
Delta R.T. 0.007 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 888931
Ion Ratio Lower Upper
91 100
106 43.7 34.0 51.0

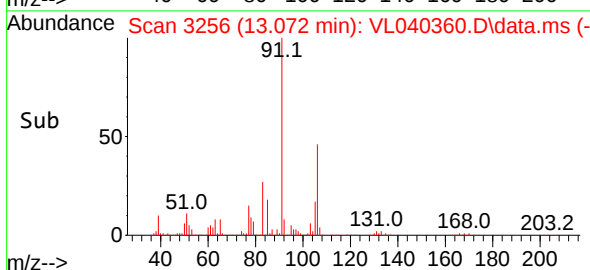
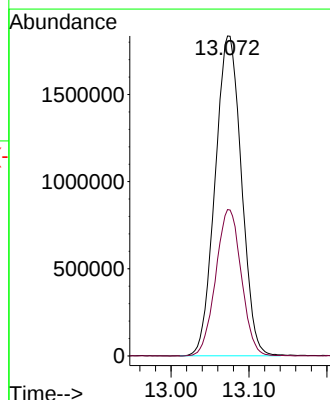
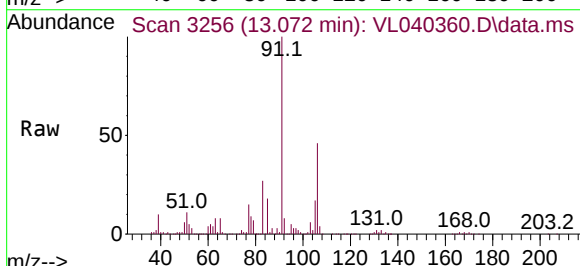
Manual Integrations
APPROVED

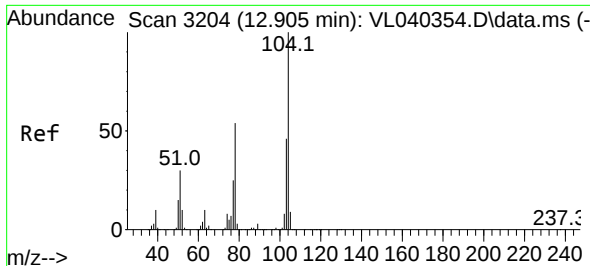
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#60
o-Xylene
Concen: 16.443 ppbv
RT: 13.072 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

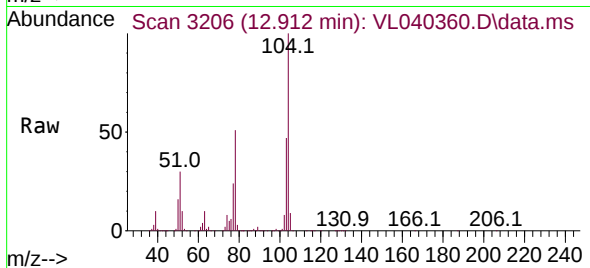
Tgt Ion: 91 Resp: 4305898
Ion Ratio Lower Upper
91 100
106 44.7 21.7 65.1





#61
Styrene
Concen: 18.999 ppbv
RT: 12.912 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

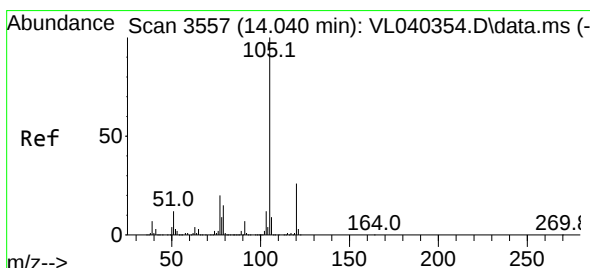
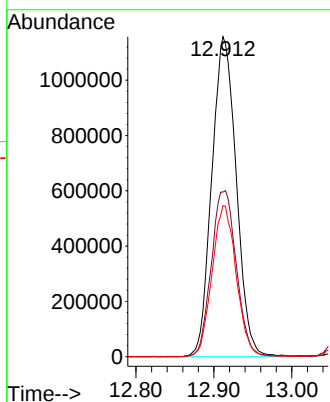
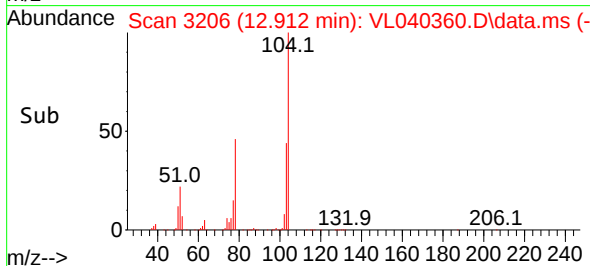
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



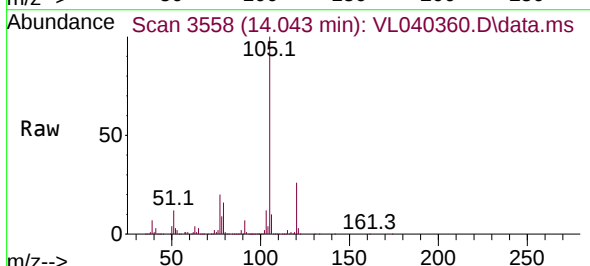
Tgt Ion:104 Resp: 2524744
Ion Ratio Lower Upper
104 100
78 53.4 43.7 65.5
103 46.8 37.4 56.2

Manual Integrations
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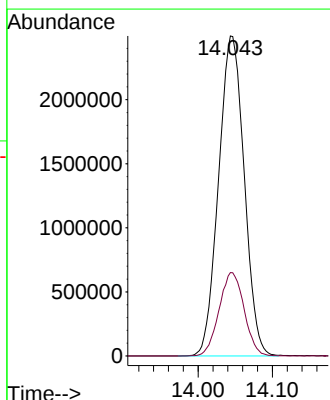
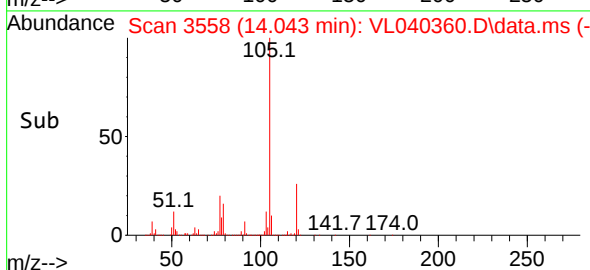
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

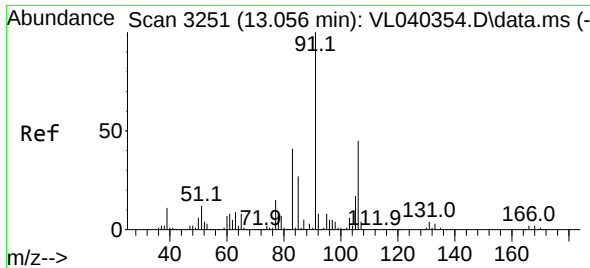


#62
Isopropylbenzene
Concen: 16.050 ppbv
RT: 14.043 min Scan# 3558
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



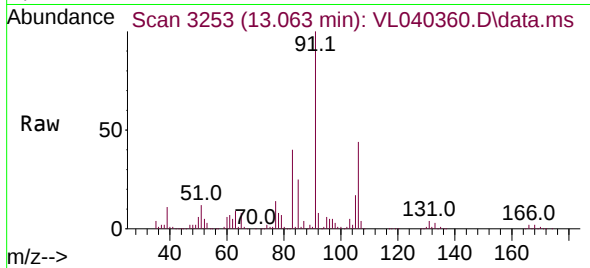
Tgt Ion:105 Resp: 5985367
Ion Ratio Lower Upper
105 100
120 25.5 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 14.628 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

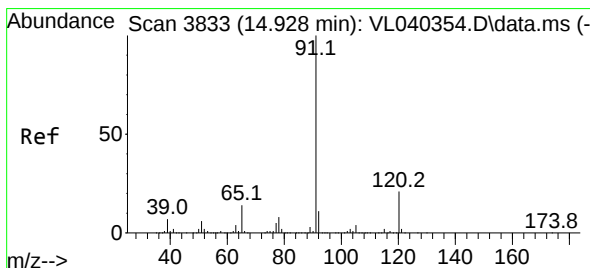
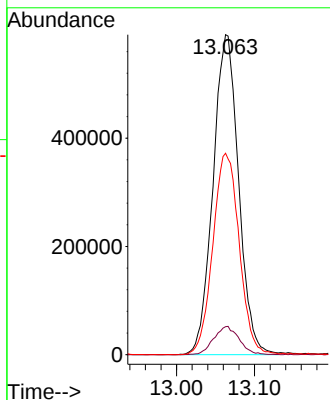
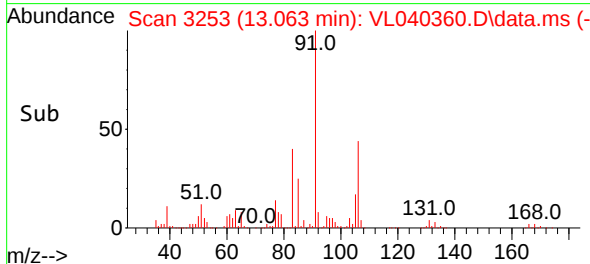
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 83 Resp: 1347940
Ion Ratio Lower Upper
83 100
131 8.8 4.3 12.9
85 65.3 32.7 98.1

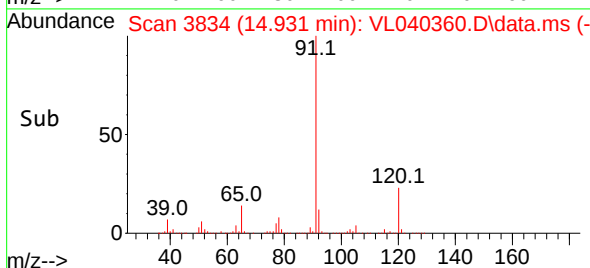
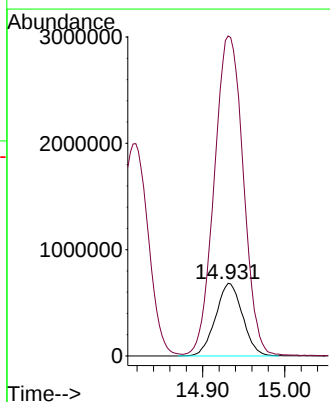
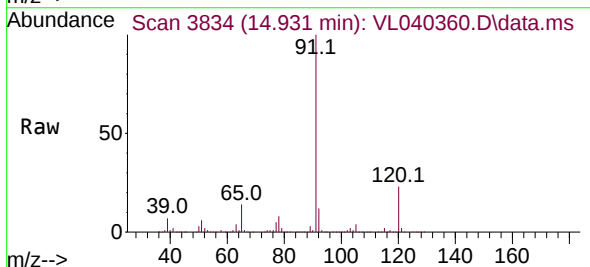
Manual Integrations
APPROVED

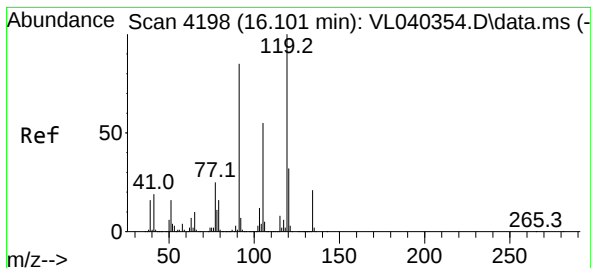
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#64
n-propylbenzene
Concen: 17.079 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

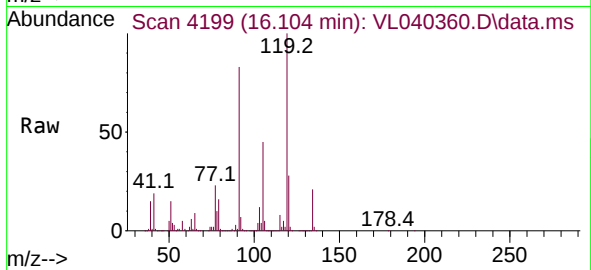
Tgt Ion:120 Resp: 1558591
Ion Ratio Lower Upper
120 100
91 476.9 399.0 598.6





#65
tert-Butylbenzene
Concen: 16.340 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

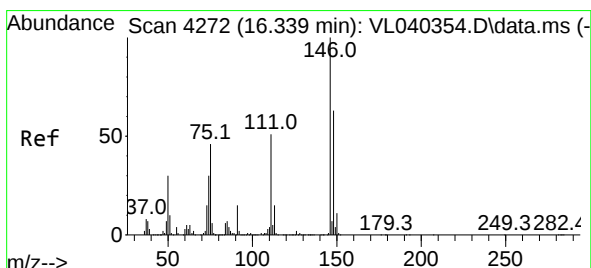
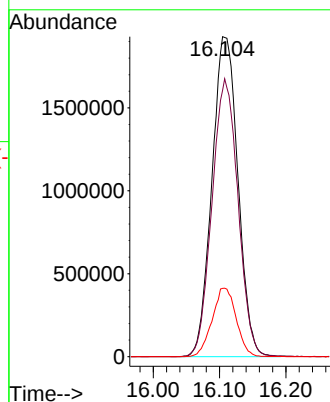
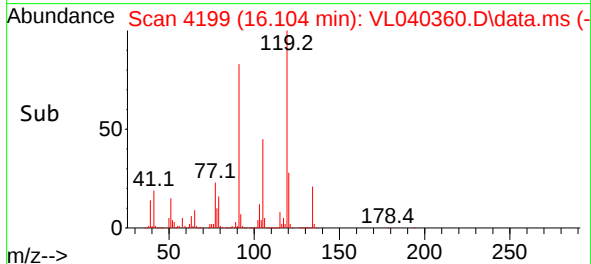
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



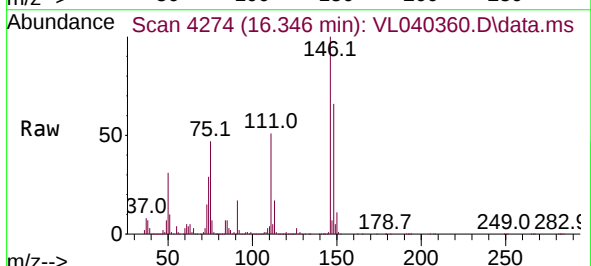
Tgt Ion: 119 Resp: 5250919
Ion Ratio Lower Upper
119 100
91 86.8 69.4 104.2
134 19.9 15.8 23.6

Manual Integrations
APPROVED

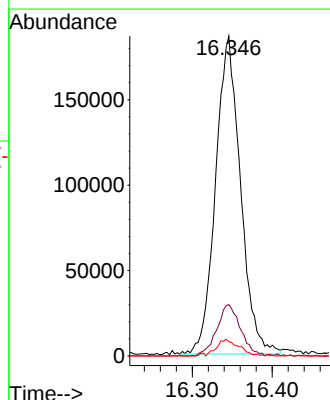
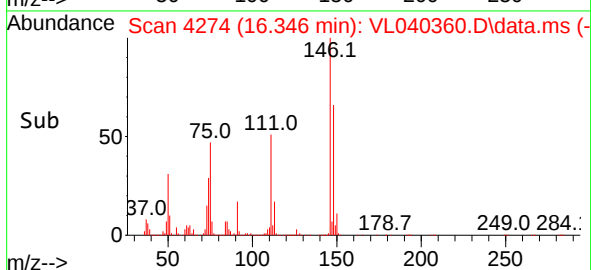
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

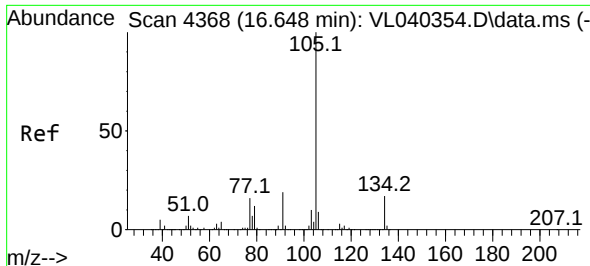


#66
Benzyl Chloride
Concen: 19.314 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



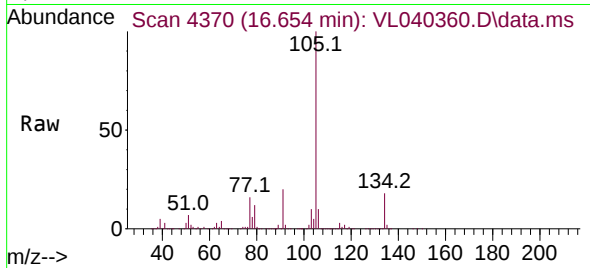
Tgt Ion: 91 Resp: 403370
Ion Ratio Lower Upper
91 100
126 15.6 12.1 18.1
128 4.9 3.8 5.6





#67
 sec-Butylbenzene
 Concen: 16.220 ppbv
 RT: 16.654 min Scan# 41
 Delta R.T. 0.009 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

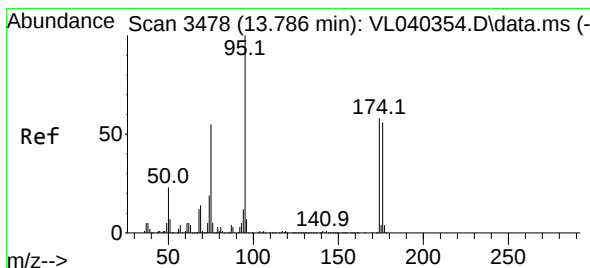
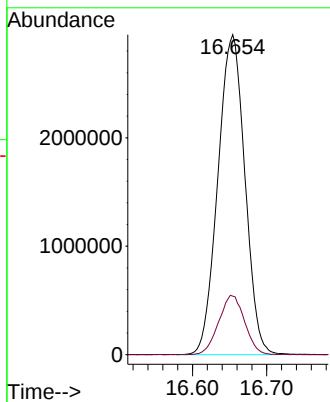
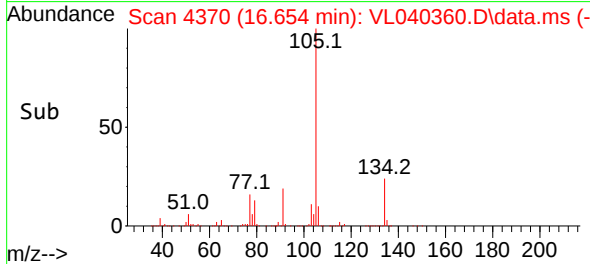
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 7454784
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.0 21.0

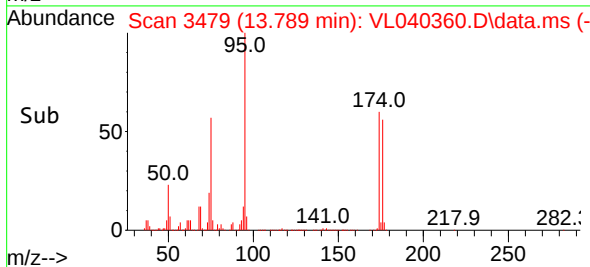
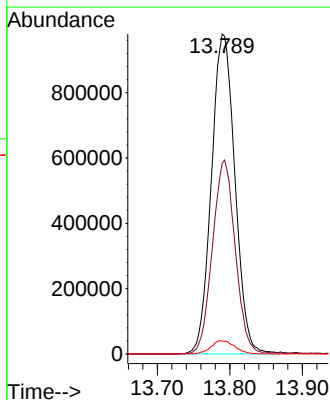
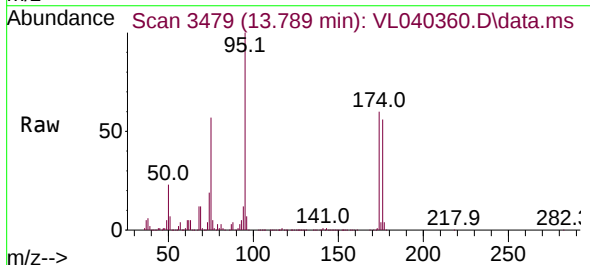
Manual Integrations
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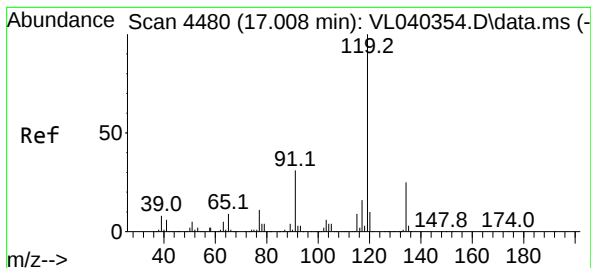
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.045 ppbv
 RT: 13.789 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL040360.D
 Acq: 13 Apr 2023 14:00

Tgt Ion: 95 Resp: 2209147
 Ion Ratio Lower Upper
 95 100
 174 59.0 47.0 70.6
 175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 16.797 ppbv

RT: 17.011 min Scan# 4480

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 601188

Ion Ratio Lower Upper

119 100

134 25.7 20.2 30.2

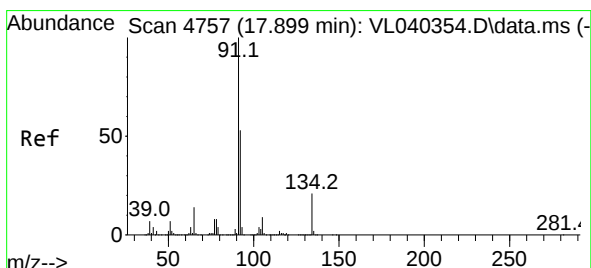
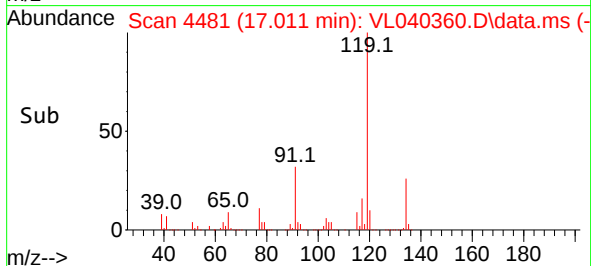
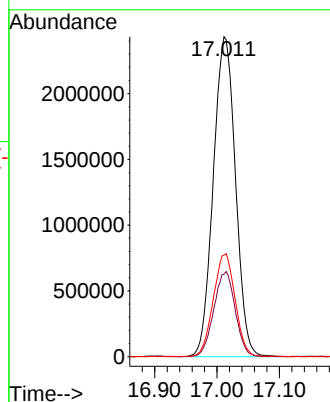
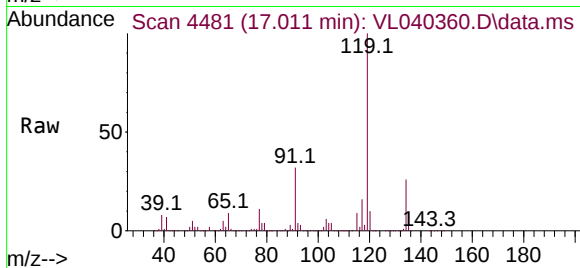
91 31.7 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#70

n-Butylbenzene

Concen: 16.641 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

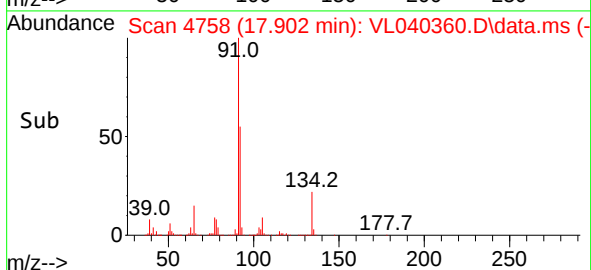
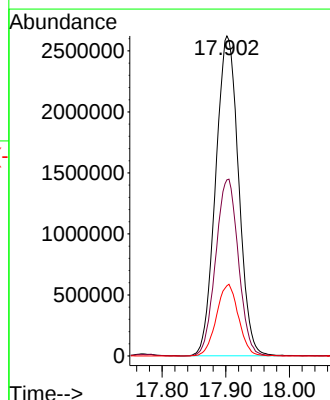
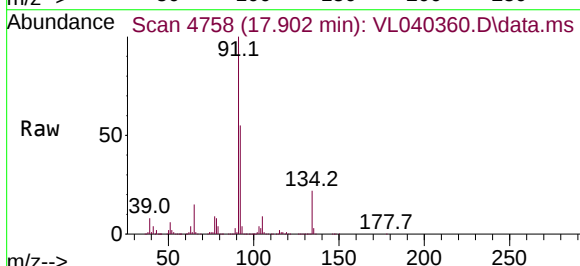
Tgt Ion: 91 Resp: 6561883

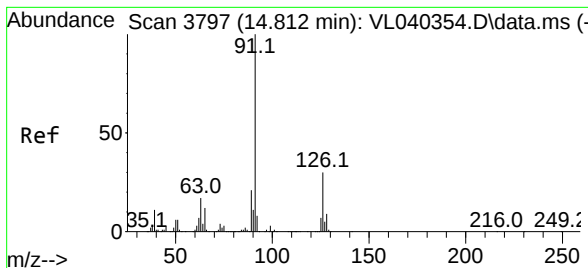
Ion Ratio Lower Upper

91 100

92 54.8 42.9 64.3

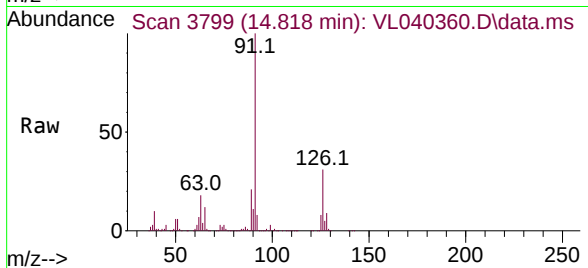
134 21.6 16.8 25.2





#71
2-Chlorotoluene
Concen: 16.679 ppbv
RT: 14.818 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

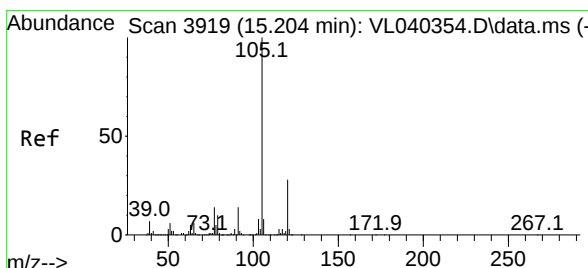
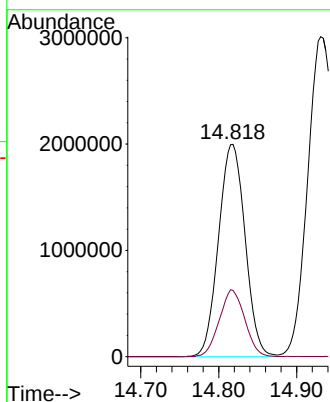
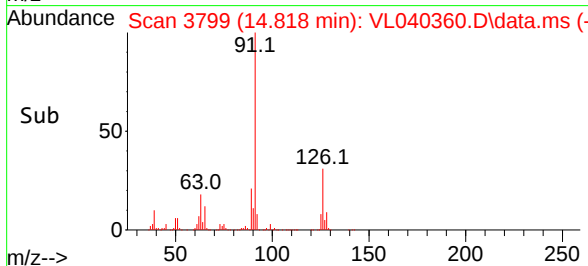
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



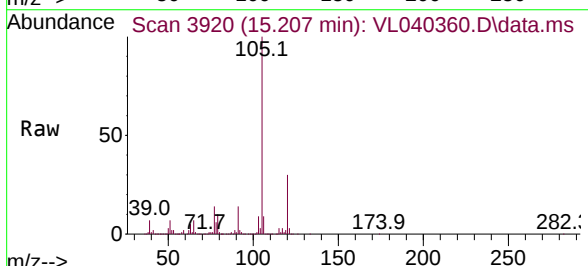
Tgt Ion: 91 Resp: 4733970
Ion Ratio Lower Upper
91 100
126 30.2 11.8 47.4

Manual Integrations
APPROVED

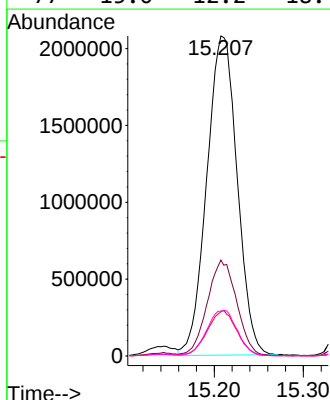
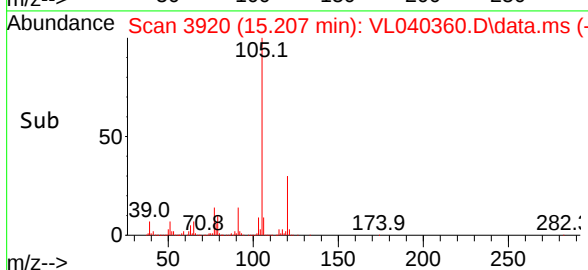
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

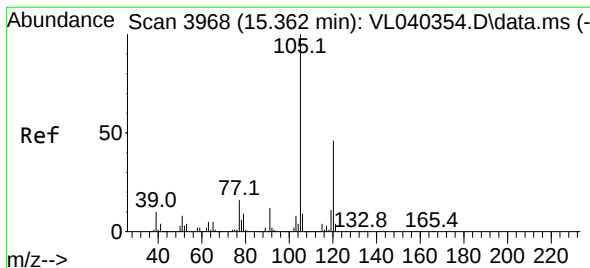


#72
4-Ethyltoluene
Concen: 17.197 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00



Tgt Ion:105 Resp: 4923605
Ion Ratio Lower Upper
105 100
120 30.1 23.7 35.5
91 13.8 11.6 17.4
77 15.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 17.064 ppbv

RT: 15.368 min Scan# 3968

Delta R.T. 0.006 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 442544

Ion Ratio Lower Upper

105 100

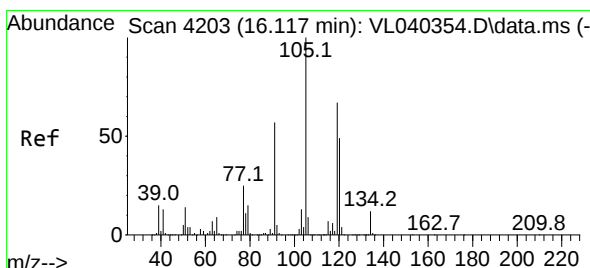
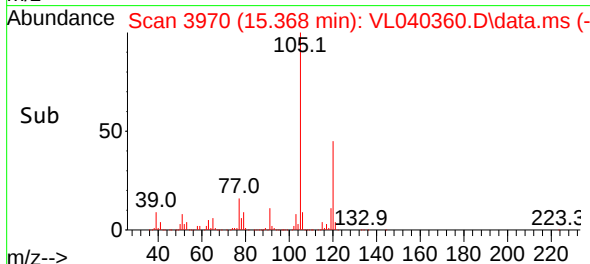
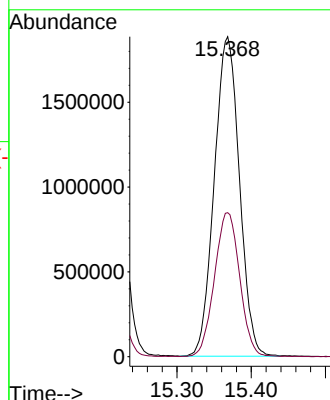
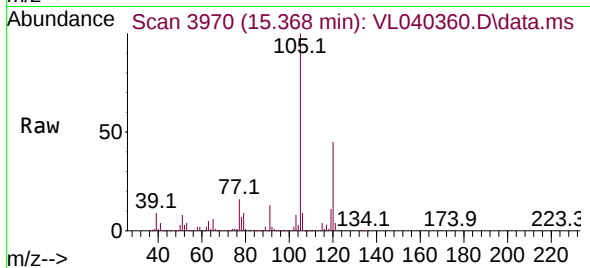
120 45.0 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#74

1,2,4-Trimethylbenzene

Concen: 16.218 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Tgt Ion:105 Resp: 4796498

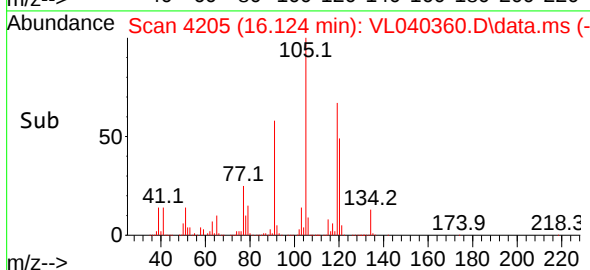
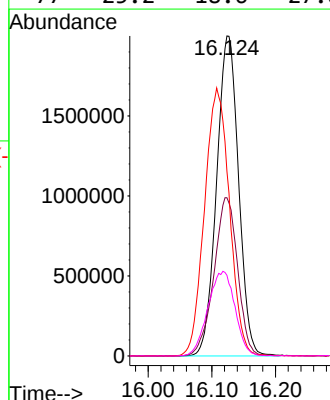
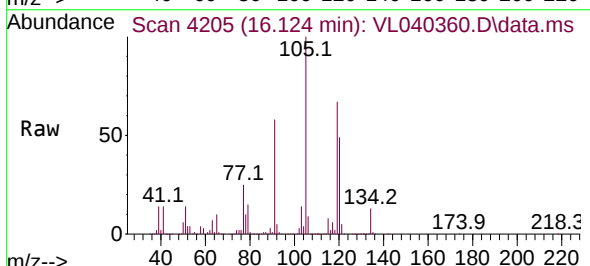
Ion Ratio Lower Upper

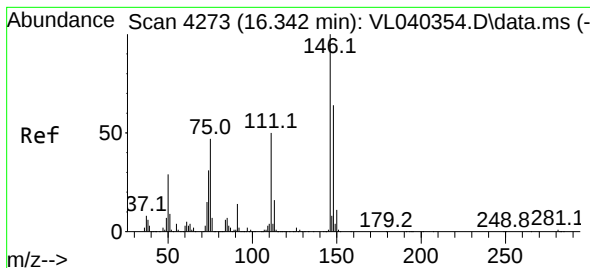
105 100

120 49.4 36.6 54.8

91 57.6 39.9 59.9

77 25.2 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 16.765 ppbv

RT: 16.349 min Scan# 4320

Delta R.T. 0.006 min

Lab File: VL040360.D

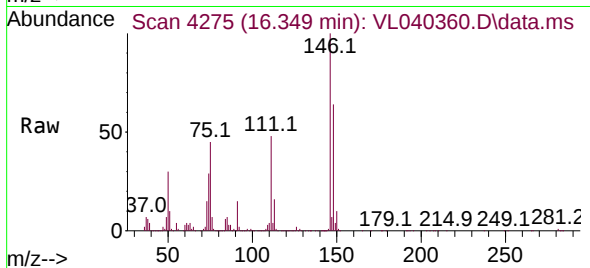
Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:146 Resp: 268552

Ion Ratio Lower Upper

146 100

111 48.7 24.3 73.0

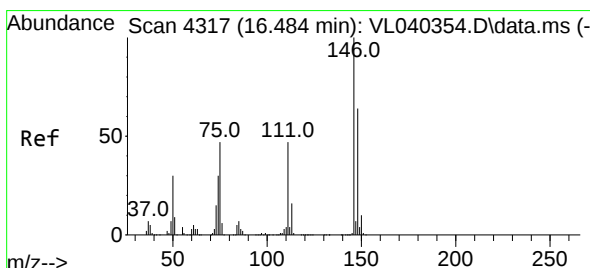
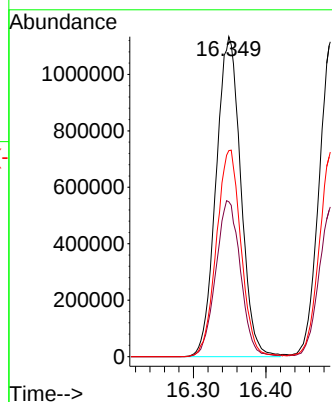
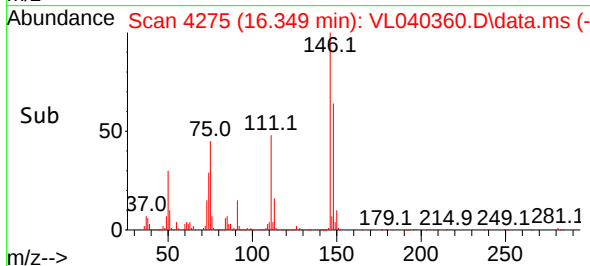
148 64.2 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#76

1,4-Dichlorobenzene

Concen: 17.348 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.010 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

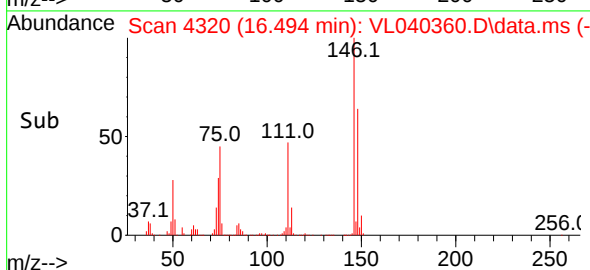
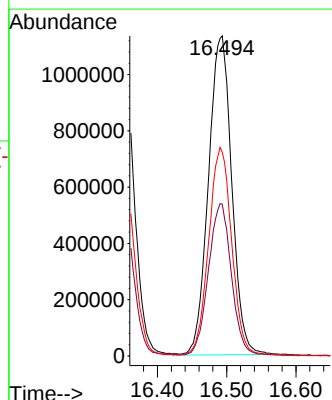
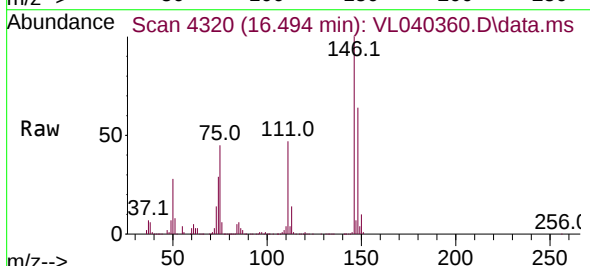
Tgt Ion:146 Resp: 2650431

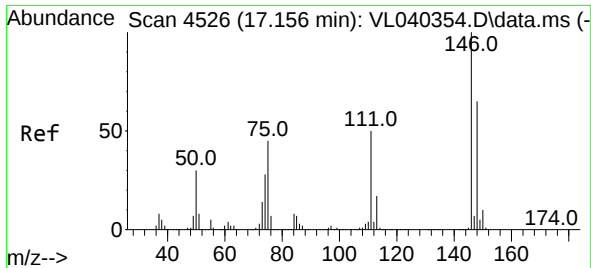
Ion Ratio Lower Upper

146 100

111 47.5 23.8 71.2

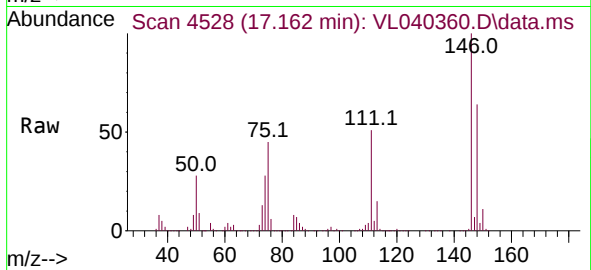
148 65.1 32.5 97.5





#77
1,2-Dichlorobenzene
Concen: 16.582 ppbv
RT: 17.162 min Scan# 4526
Delta R.T. 0.006 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

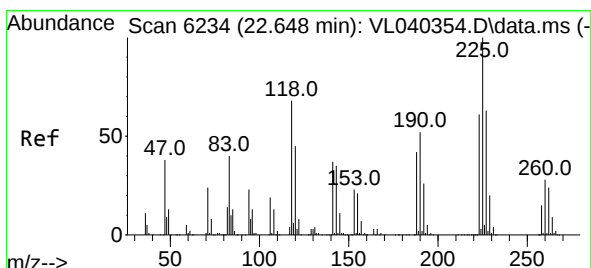
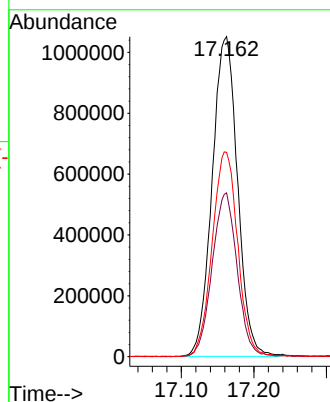
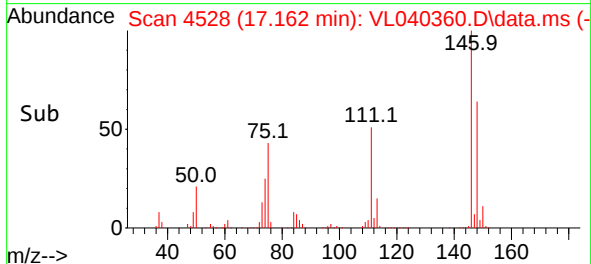
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:146 Resp: 2553129
Ion Ratio Lower Upper
146 100
111 50.6 25.2 75.6
148 64.6 32.1 96.3

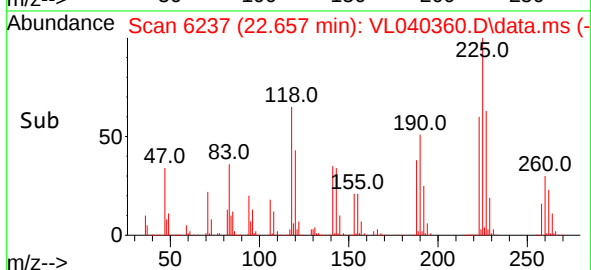
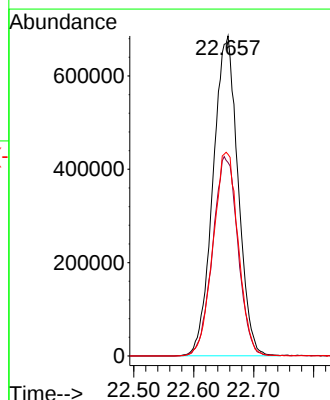
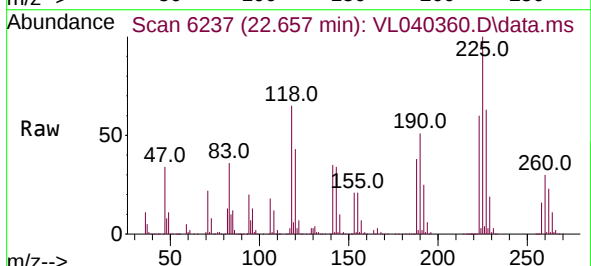
Manual Integrations
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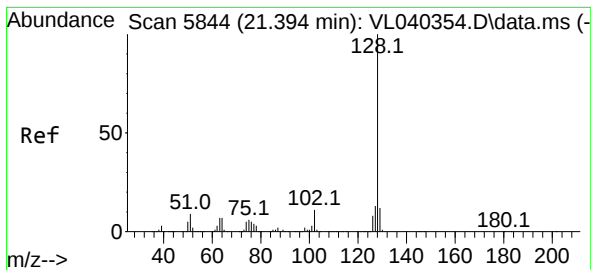
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#78
Hexachloro-1,3-Butadiene
Concen: 17.566 ppbv
RT: 22.657 min Scan# 6237
Delta R.T. 0.009 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Tgt Ion:225 Resp: 1983486
Ion Ratio Lower Upper
225 100
223 63.4 51.0 76.6
227 64.2 51.4 77.2





#79

Naphthalene

Concen: 24.579 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. 0.006 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:128 Resp: 4300318

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

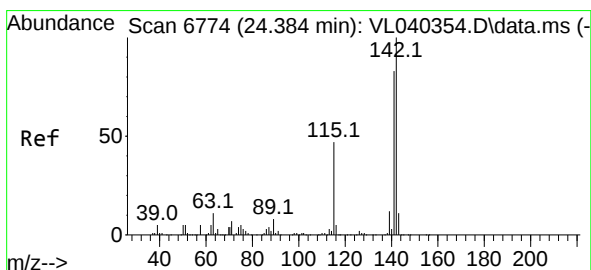
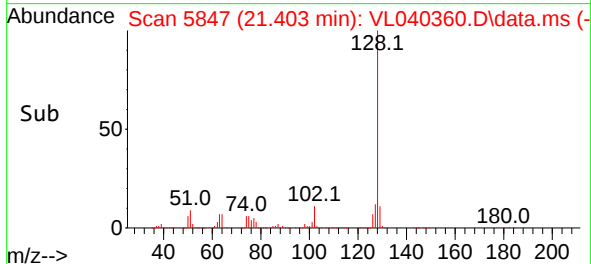
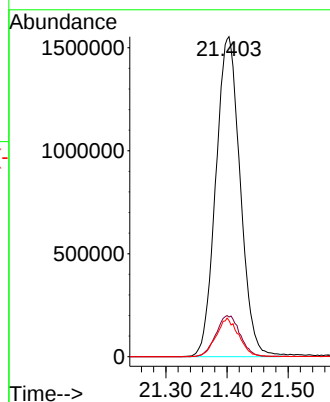
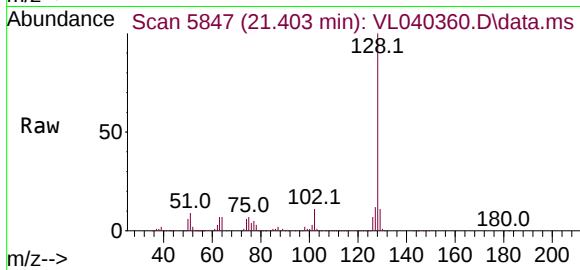
129 11.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#80

Naphthalene,2-methyl-

Concen: 36.319 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. -0.003 min

Lab File: VL040360.D

Acq: 13 Apr 2023 14:00

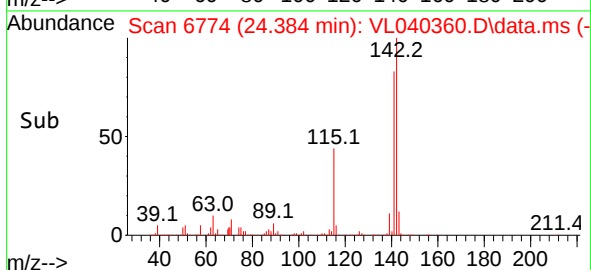
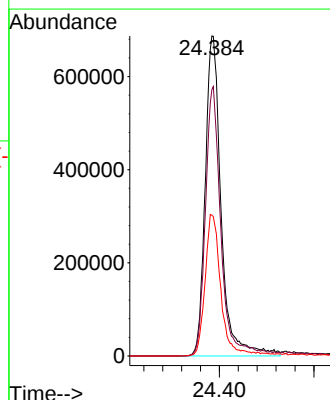
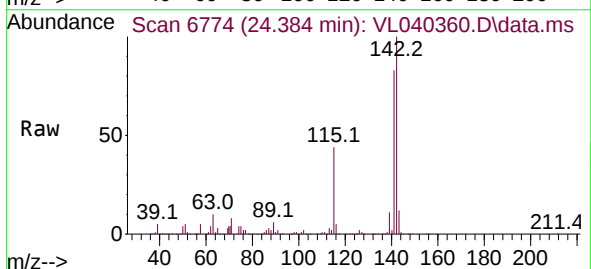
Tgt Ion:142 Resp: 1609352

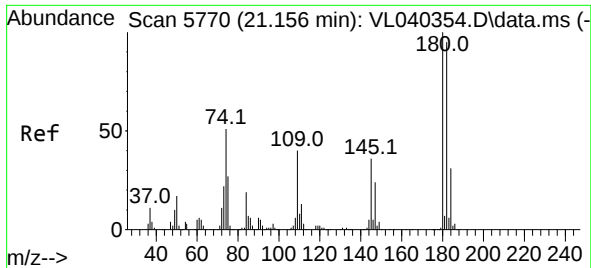
Ion Ratio Lower Upper

142 100

141 82.6 65.5 98.3

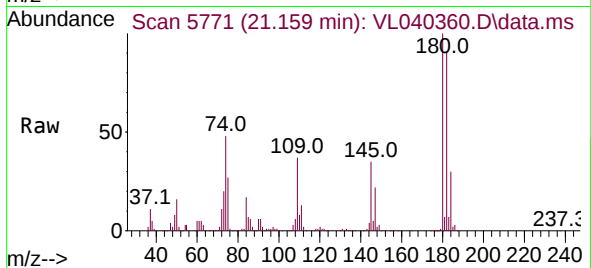
115 44.2 33.5 50.3





#81
1,2,4-Trichlorobenzene
Concen: 20.481 ppbv
RT: 21.159 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040360.D
Acq: 13 Apr 2023 14:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:180 Resp: 220708
Ion Ratio Lower Upper
180 100
182 95.5 76.1 114.1
184 30.7 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

