

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040357.D
 Acq On : 13 Apr 2023 12:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 13 13:36:12 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 12:20:17 2023

Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.189	49	1034981	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2622063	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2350153	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1994715 10.135 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	125789	0.619	ppbv	99
3) Chlorodifluoromethane	2.661	51	73209	0.563	ppbv	95
4) Chloromethane	2.803	50	43103	0.536	ppbv	92
5) Vinyl Chloride	2.912	62	37498	0.576	ppbv	97
6) Bromomethane	3.108	94	11555	0.512	ppbv	89
7) Chloroethane	3.185	64	13998	0.560	ppbv	94
8) Dichlorotetrafluoroethane	2.845	85	98782	0.568	ppbv	97
9) Propene	2.684	41	27610	0.554	ppbv	100
10) Heptane	7.584	43	50345	0.420	ppbv	87
11) Trichlorofluoromethane	3.552	101	101105	0.550	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	68212	0.494	ppbv	92
13) Ethanol	3.243	45	2479m	0.678	ppbv	
14) Bromoethene	3.359	108	26393	0.512	ppbv #	92
15) Acetone	3.472	43	85871	0.682	ppbv	94
16) 1,3-Butadiene	2.976	39	27144	0.474	ppbv	83
17) tert-Butyl alcohol	3.883	59	65622	0.548	ppbv	96
18) 1,1-Dichloroethene	3.870	96	32031m	0.540	ppbv	
19) Isopropyl Alcohol	3.584	45	35030	0.580	ppbv #	89
20) Methylene Chloride	3.925	84	33304	0.628	ppbv	99
21) Allyl Chloride	3.989	41	42280	0.518	ppbv	91
22) trans-1,2-Dichloroethene	4.439	96	31078m	0.515	ppbv	
23) Vinyl Acetate	4.629	43	20550m	0.586	ppbv	
24) 1,1-Dichloroethane	4.558	63	63361	0.507	ppbv	98
25) Ethyl Acetate	5.208	43	117136	0.497	ppbv	98
26) Hexane	5.208	57	50109	0.517	ppbv	89
27) Carbon Disulfide	4.121	76	61431	0.454	ppbv #	90
28) Methyl tert-Butyl Ether	4.590	73	53116	0.478	ppbv	98
29) Chloroform	5.269	83	94056	0.550	ppbv	92
30) Cyclohexane	6.610	84	34836m	0.457	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	47748	0.506	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	89866	0.549	ppbv	97
34) 2-Butanone	4.793	43	67720	0.523	ppbv	94
35) Carbon Tetrachloride	6.494	117	90530m	0.550	ppbv	
36) Benzene	6.369	78	98010	0.490	ppbv	96
37) 1,2-Dichloroethane	5.809	62	68434m	0.526	ppbv	
38) Trichloroethene	7.288	130	59061m	0.541	ppbv	
39) 1,2-Dichloropropane	7.079	63	41401m	0.528	ppbv	
40) 1,4-Dioxane	7.324	88	15995m	0.516	ppbv	
41) Tetrahydrofuran	5.578	42	34349	0.460	ppbv	97
42) Bromodichloromethane	7.253	83	85750	0.482	ppbv #	95
43) Methyl Methacrylate	7.481	69	32834m	0.442	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	165002	0.495	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	26518m	0.410	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Apr 13 13:36:12 2023

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

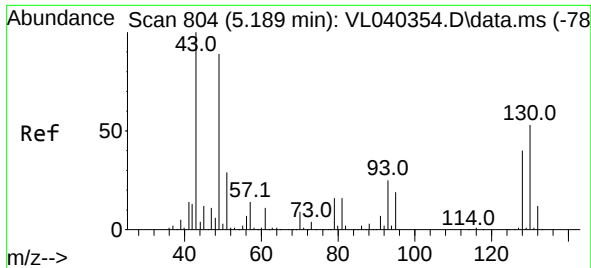
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 12:20:17 2023

Response via : Initial Calibration

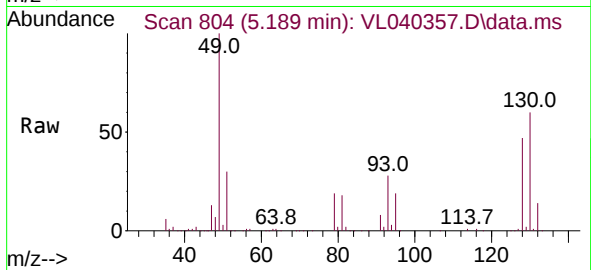
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	38384m	0.418	ppbv	
47) 1,1,2-Trichloroethane	8.899	97	43462	0.520	ppbv	93
48) Dibromochloromethane	9.719	129	63905m	0.464	ppbv	
49) Bromoform	12.420	173	47071m	0.455	ppbv	
50) 4-Methyl-2-Pentanone	8.204	43	92588m	0.462	ppbv	
51) 2-Hexanone	9.577	43	62762m	0.405	ppbv	
52) Tetrachloroethene	10.622	164	32726	0.541	ppbv	91
53) Toluene	9.227	91	89256	0.426	ppbv	99
54) 1,2-Dibromoethane	10.018	107	44731m	0.520	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	54215	0.548	ppbv #	69
57) Chlorobenzene	11.536	112	95878m	0.574	ppbv	
58) Ethyl Benzene	12.098	91	115268	0.431	ppbv	100
59) m/p-Xylene	12.381	91	232981m	0.950	ppbv	
60) o-Xylene	13.066	91	111745	0.477	ppbv	97
61) Styrene	12.905	104	44637m	0.375	ppbv	
62) Isopropylbenzene	14.043	105	168371	0.505	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.063	83	50768m	0.616	ppbv	
64) n-propylbenzene	14.931	120	39890m	0.488	ppbv	
65) tert-Butylbenzene	16.104	119	143014	0.497	ppbv	92
66) Benzyl Chloride	16.336	91	9256m	0.495	ppbv	
67) sec-Butylbenzene	16.651	105	209854	0.510	ppbv	98
69) p-Isopropyltoluene	17.005	119	152464	0.476	ppbv	95
70) n-Butylbenzene	17.905	91	169401	0.480	ppbv	98
71) 2-Chlorotoluene	14.812	91	123968	0.488	ppbv	97
72) 4-Ethyltoluene	15.204	105	112923	0.441	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.362	105	112496	0.485	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	134261	0.507	ppbv	95
75) 1,3-Dichlorobenzene	16.346	146	77770m	0.543	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	78851m	0.577	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	79436m	0.577	ppbv	
78) Hexachloro-1,3-Butadiene	22.654	225	69311m	0.686	ppbv	
79) Naphthalene	21.410	128	77889m	0.497	ppbv	
80) Naphthalene,2-methyl-	24.390	142	11872m	0.299	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	52826m	0.548	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

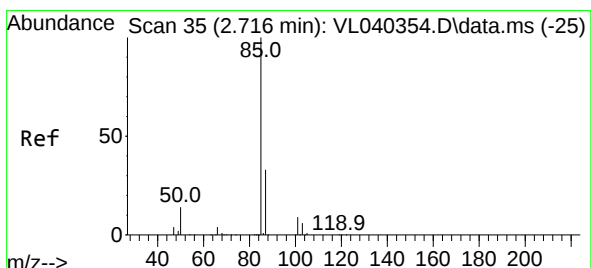
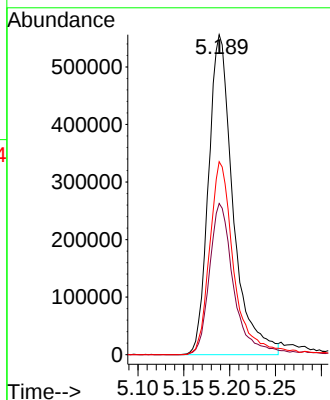
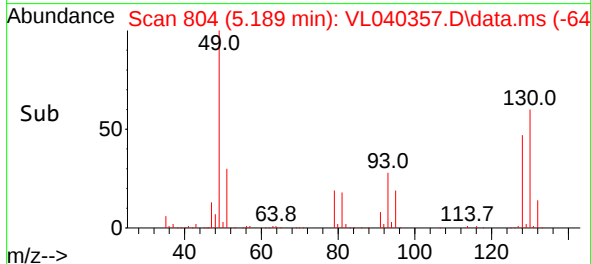
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



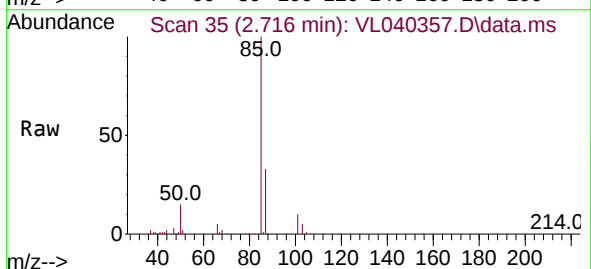
Tgt Ion: 49 Resp: 103498
Ion Ratio Lower Upper
49 100
128 48.4 22.4 67.3
130 61.6 28.7 86.1

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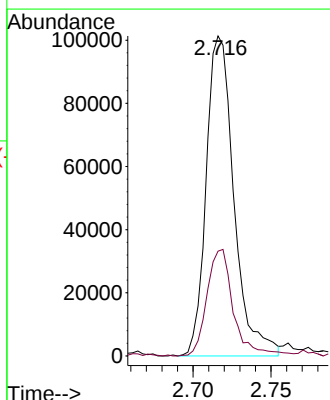
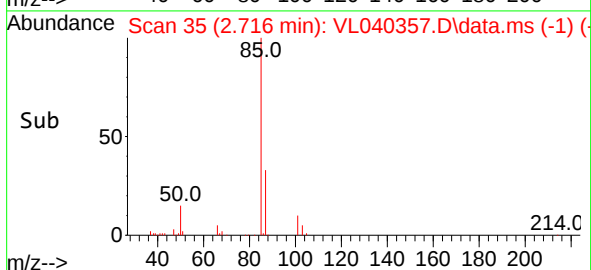
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

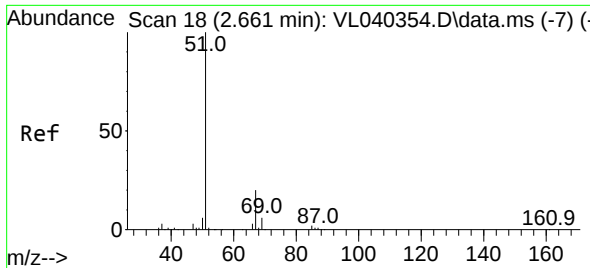


#2
Dichlorodifluoromethane
Concen: 0.619 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01



Tgt Ion: 85 Resp: 125789
Ion Ratio Lower Upper
85 100
87 32.7 25.5 38.3





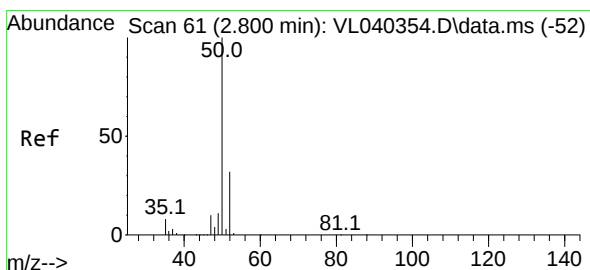
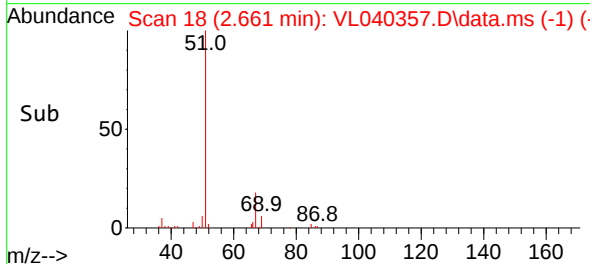
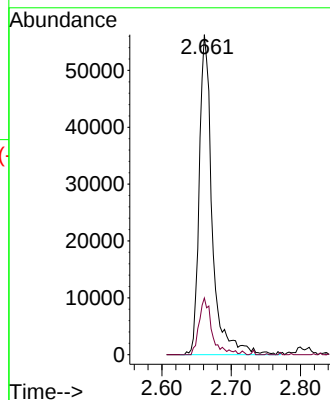
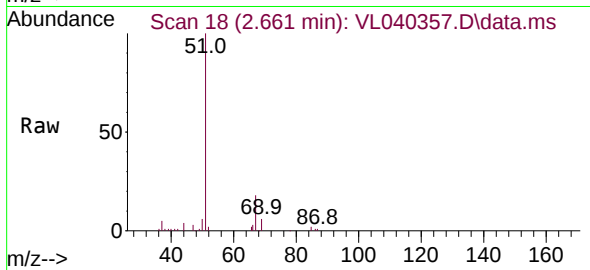
#3
Chlorodifluoromethane
Concen: 0.563 ppbv
RT: 2.661 min Scan# 18
Delta R.T. -0.004 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 51 Resp: 73209
Ion Ratio Lower Upper
51 100
67 17.9 16.0 24.0

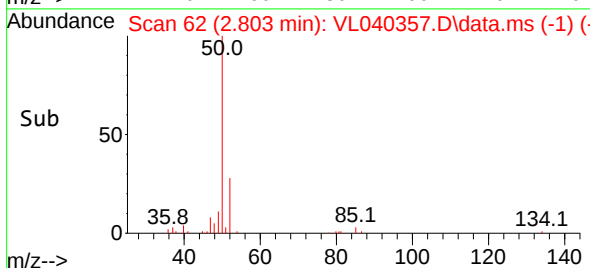
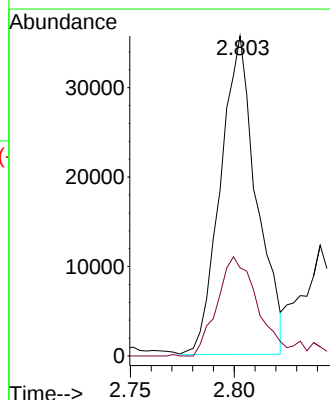
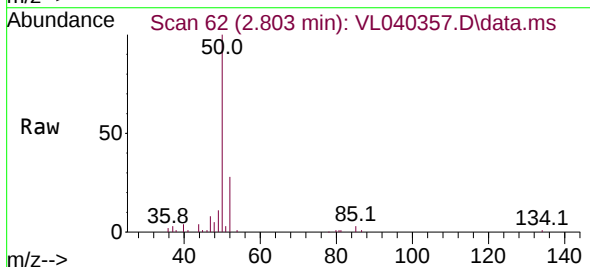
Manual Integrations
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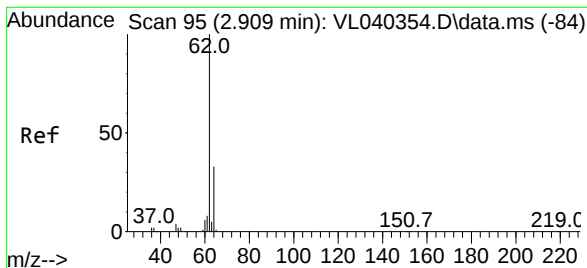
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#4
Chloromethane
Concen: 0.536 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

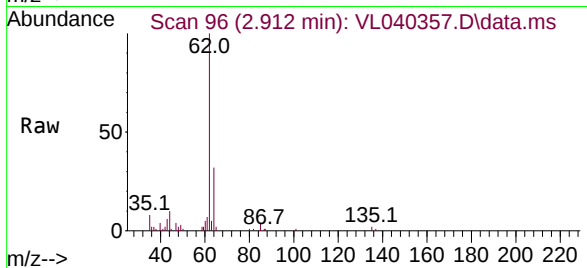
Tgt Ion: 50 Resp: 43103
Ion Ratio Lower Upper
50 100
52 27.7 25.9 38.9





#5
 Vinyl Chloride
 Concen: 0.576 ppbv
 RT: 2.912 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

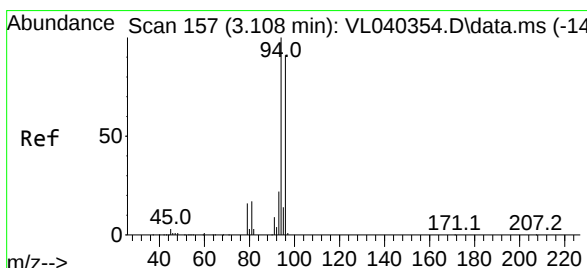
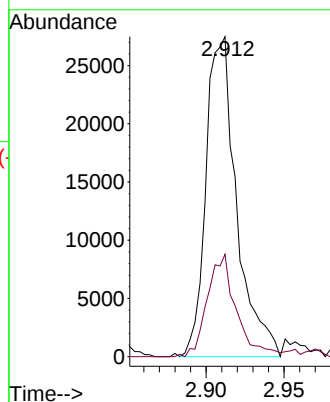
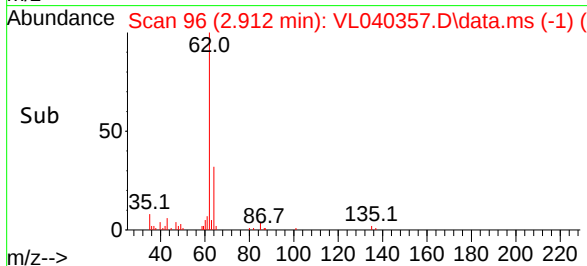
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 37498
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.4 39.6

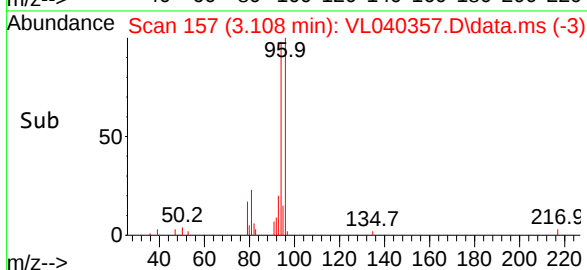
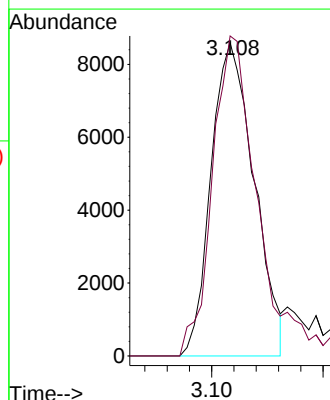
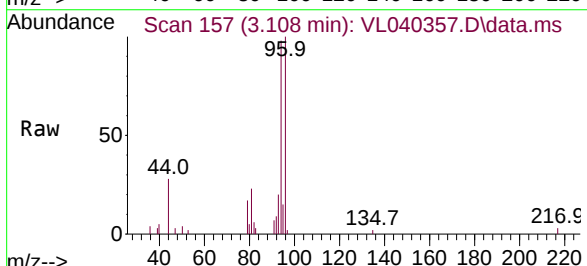
Manual Integrations
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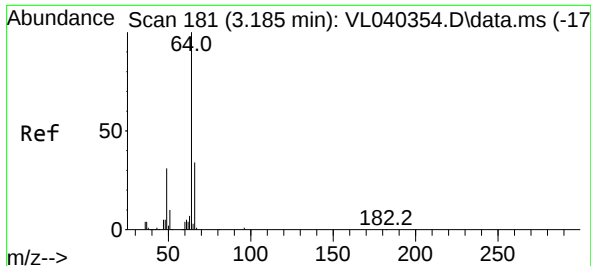
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#6
 Bromomethane
 Concen: 0.512 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.004 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

Tgt Ion: 94 Resp: 11555
 Ion Ratio Lower Upper
 94 100
 96 102.2 73.7 110.5





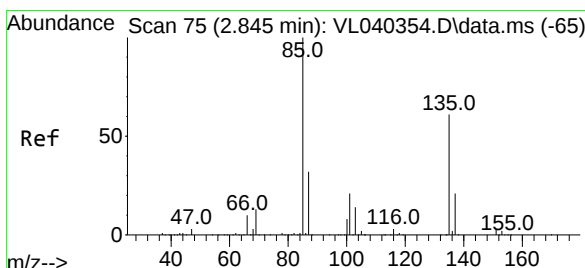
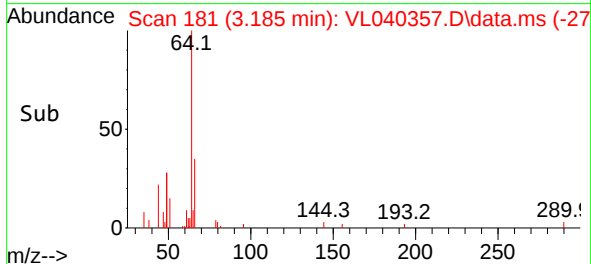
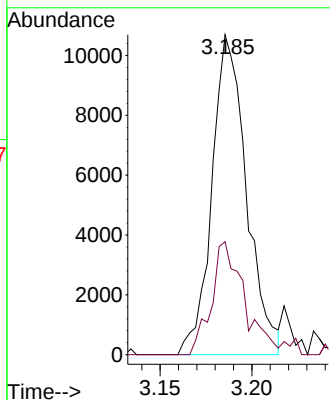
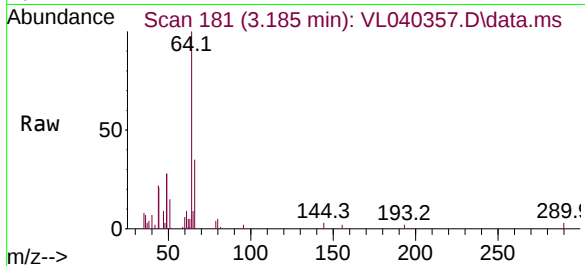
#7
Chloroethane
Concen: 0.560 ppbv
RT: 3.185 min Scan# 181
Delta R.T. -0.004 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 13998
Ion Ratio Lower Upper
64 100
66 35.3 25.5 38.3

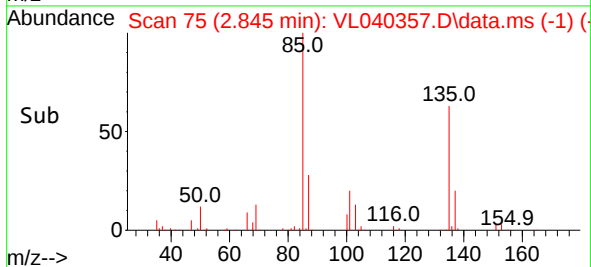
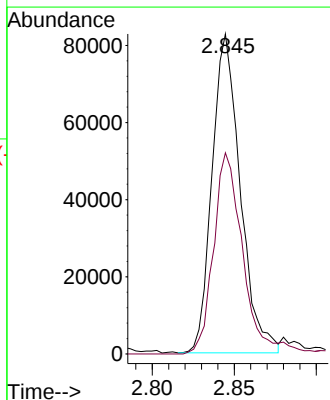
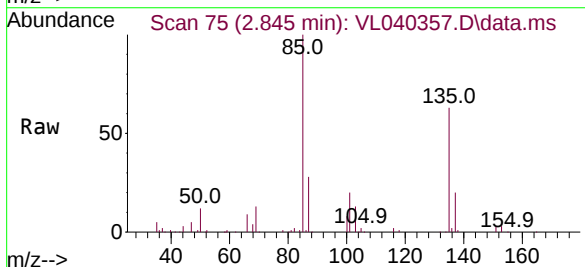
Manual Integrations
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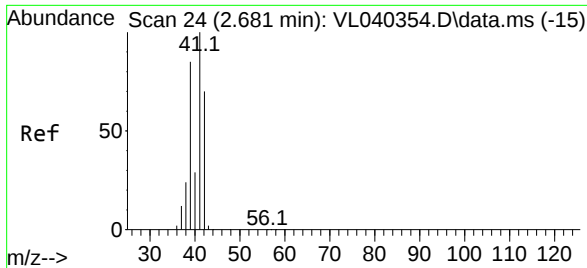
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#8
Dichlorotetrafluoroethane
Concen: 0.568 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

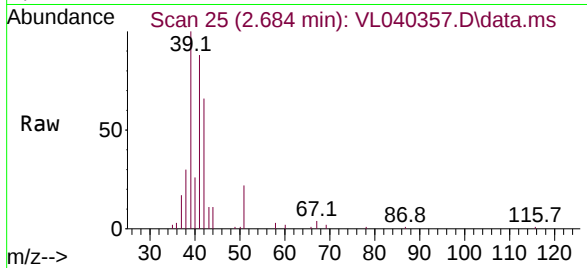
Tgt Ion: 85 Resp: 98782
Ion Ratio Lower Upper
85 100
135 67.3 52.0 78.0





#9
 Propene
 Concen: 0.554 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

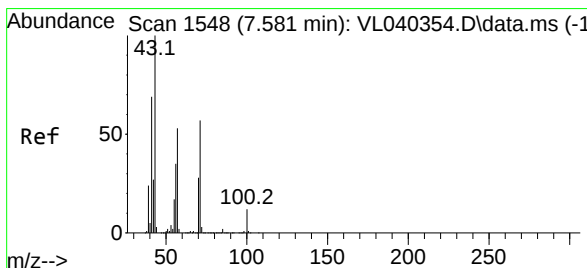
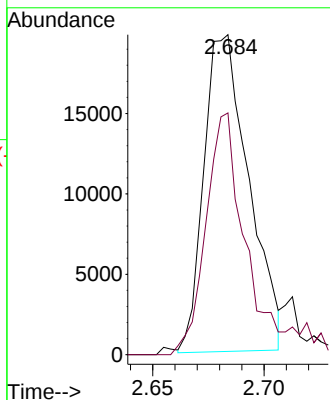
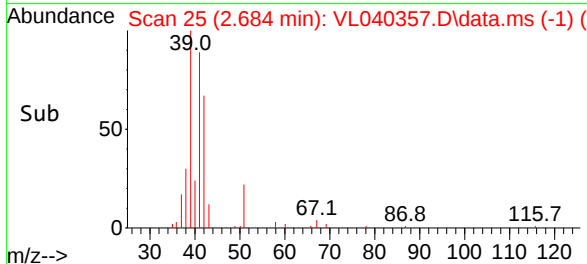
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 27610
 Ion Ratio Lower Upper
 41 100
 42 73.6 59.0 88.4

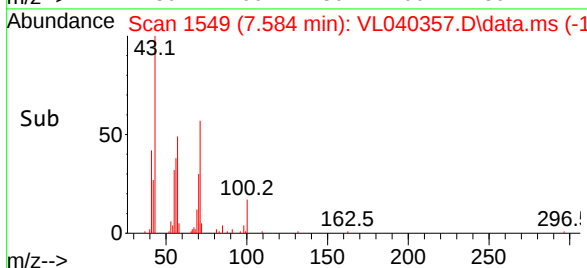
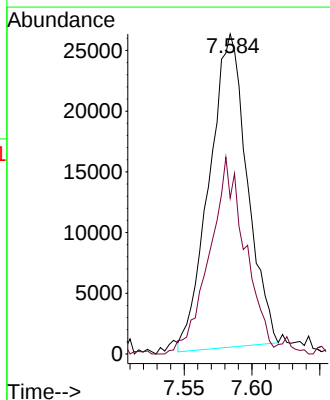
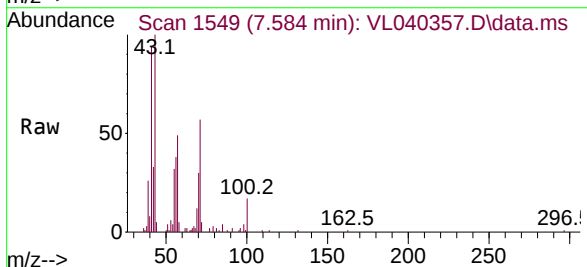
Manual Integrations
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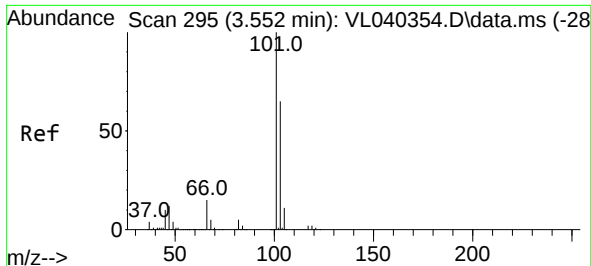
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#10
 Heptane
 Concen: 0.420 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.003 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

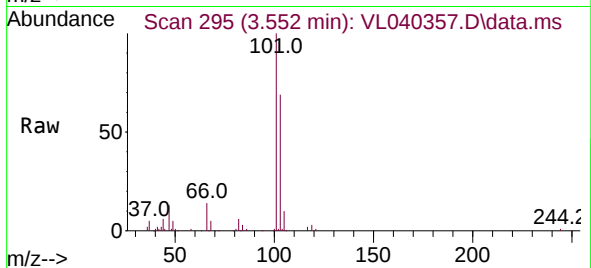
Tgt Ion: 43 Resp: 50345
 Ion Ratio Lower Upper
 43 100
 57 61.5 41.7 62.5





#11
 Trichlorofluoromethane
 Concen: 0.550 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. -0.003 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

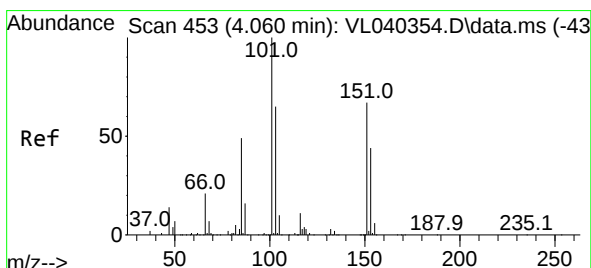
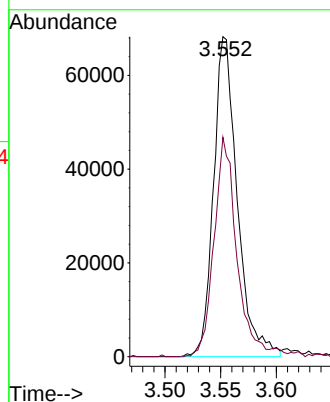
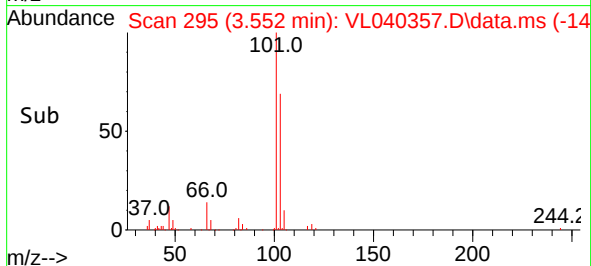
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



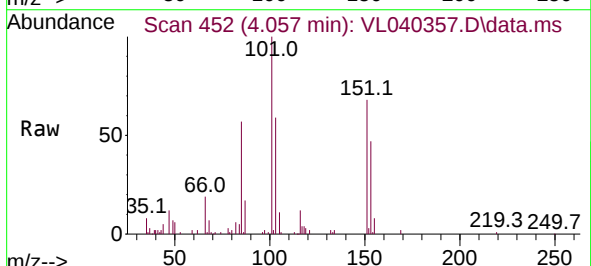
Tgt Ion:101 Resp: 10110
 Ion Ratio Lower Upper
 101 100
 103 68.6 53.1 79.7

Manual Integrations
 APPROVED

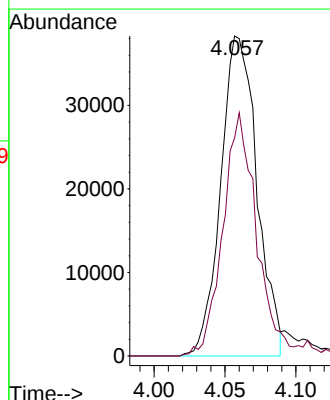
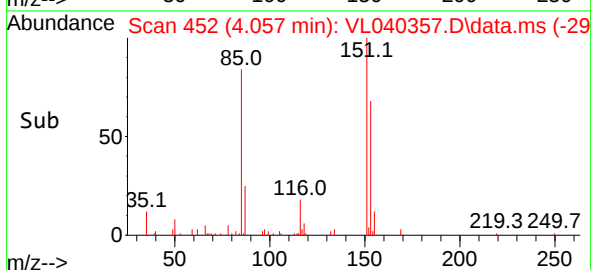
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

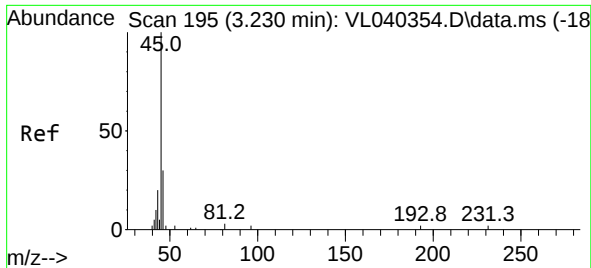


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.494 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. -0.003 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01



Tgt Ion:101 Resp: 68212
 Ion Ratio Lower Upper
 101 100
 151 72.7 53.2 79.8





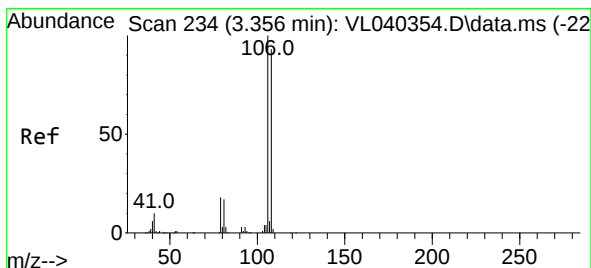
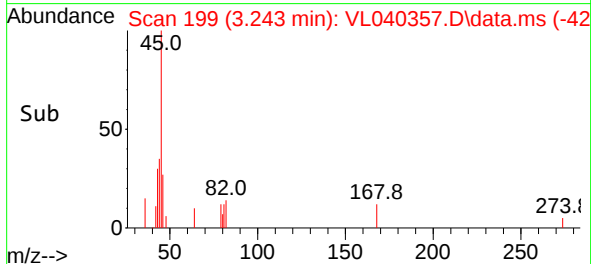
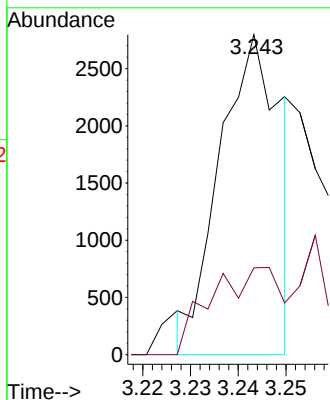
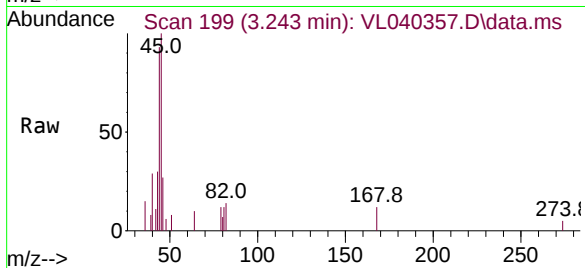
#13
Ethanol
Concen: 0.678 ppbv m
RT: 3.243 min Scan# 195
Delta R.T. 0.006 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 2479
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2

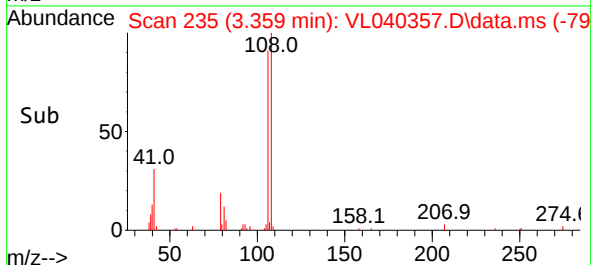
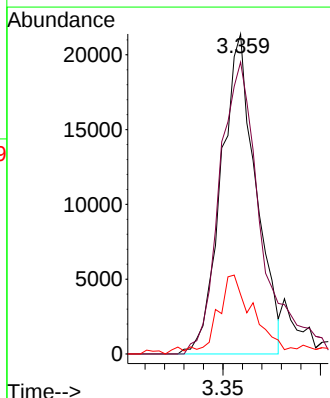
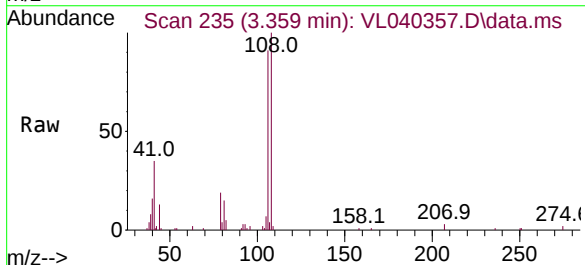
Manual Integrations
APPROVED

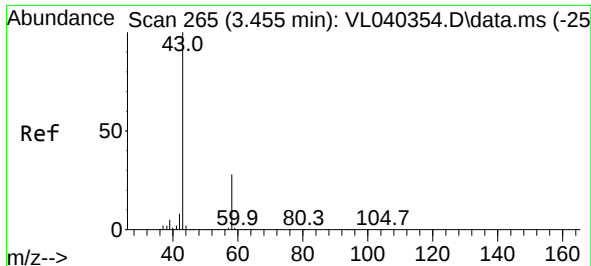
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#14
Bromoethene
Concen: 0.512 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

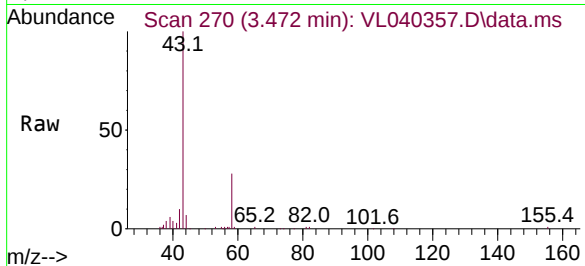
Tgt Ion:108 Resp: 26393
Ion Ratio Lower Upper
108 100
106 114.4 85.8 128.8
79 27.7 15.8 23.6





#15
Acetone
Concen: 0.682 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

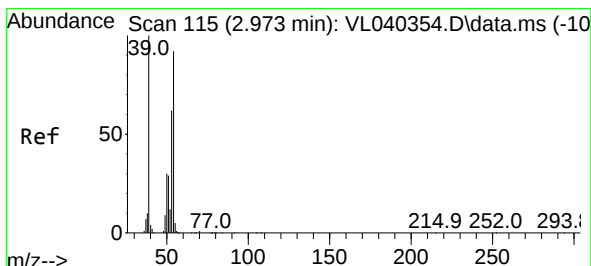
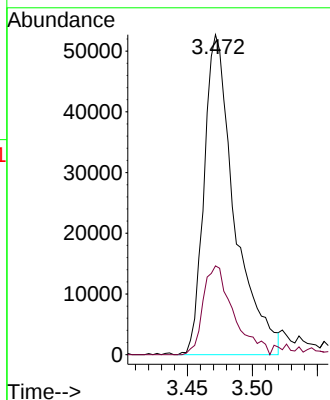
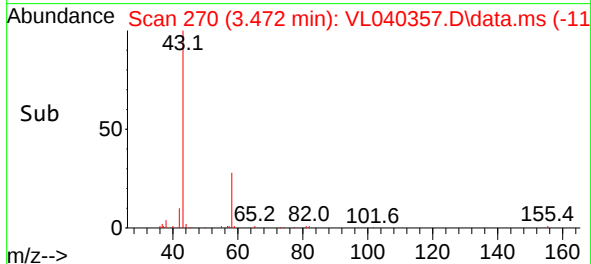
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



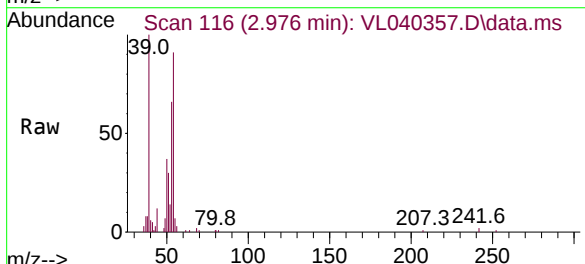
Tgt Ion: 43 Resp: 8587
Ion Ratio Lower Upper
43 100
58 30.7 21.8 32.8

Manual Integrations
APPROVED

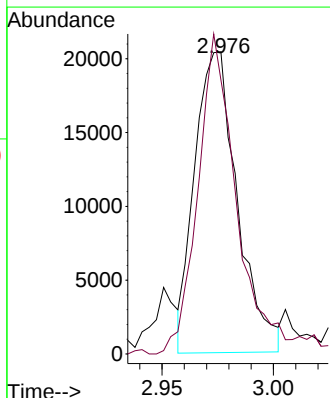
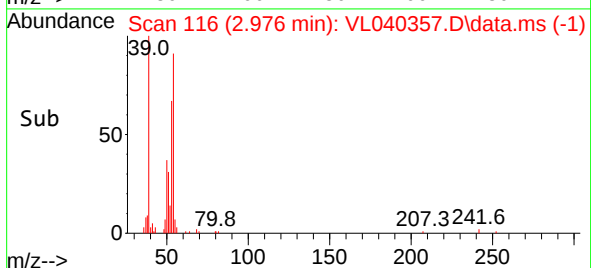
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

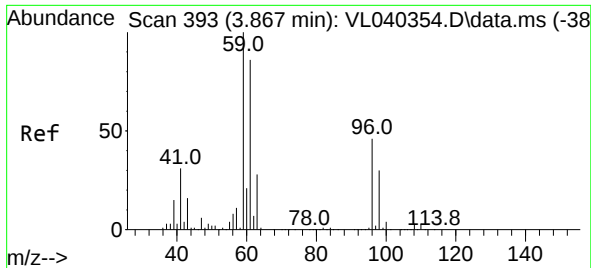


#16
1,3-Butadiene
Concen: 0.474 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01



Tgt Ion: 39 Resp: 27144
Ion Ratio Lower Upper
39 100
54 101.2 68.4 102.6





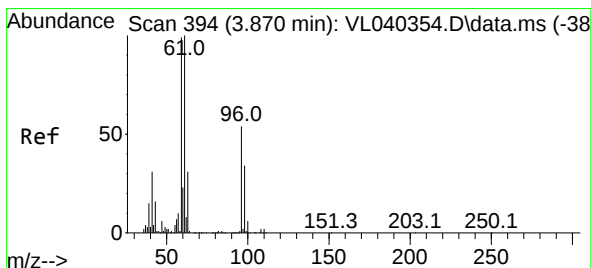
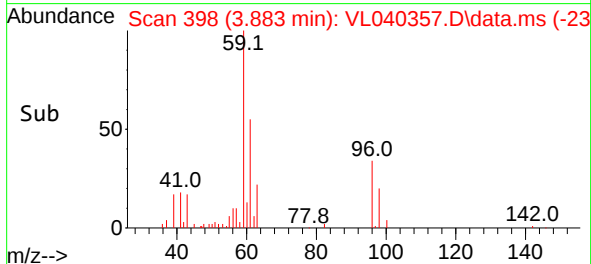
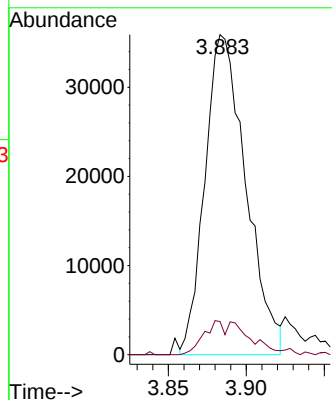
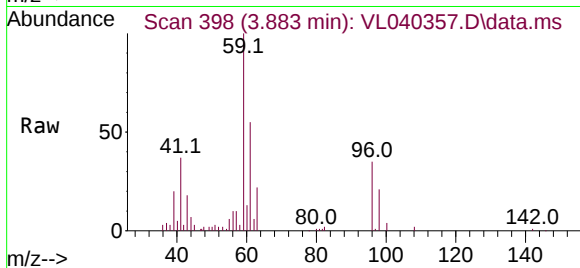
#17
tert-Butyl alcohol
Concen: 0.548 ppbv
RT: 3.883 min Scan# 393
Delta R.T. 0.013 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 6562
Ion Ratio Lower Upper
59 100
57 11.9 8.5 12.7

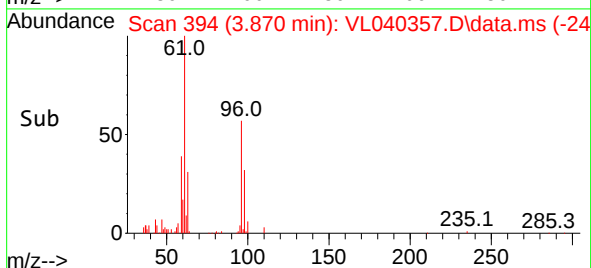
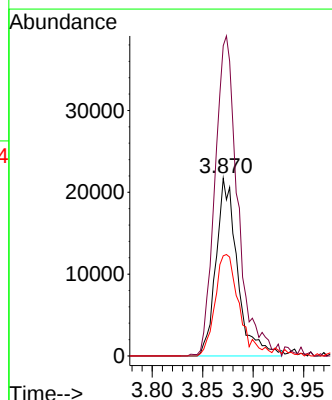
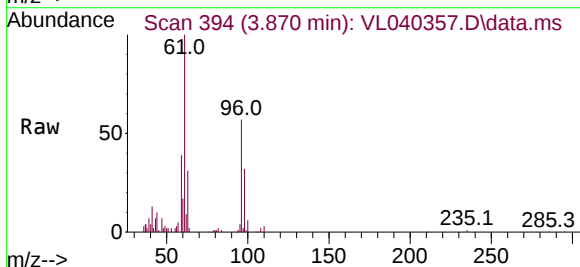
Manual Integrations
APPROVED

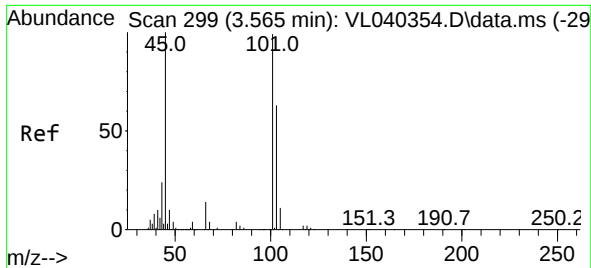
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#18
1,1-Dichloroethene
Concen: 0.540 ppbv m
RT: 3.870 min Scan# 394
Delta R.T. -0.007 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

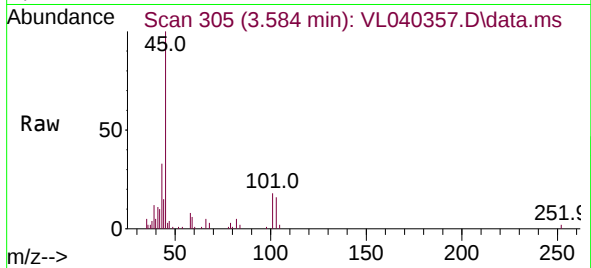
Tgt Ion: 96 Resp: 32031
Ion Ratio Lower Upper
96 100
61 174.6 150.6 226.0
98 56.4 50.3 75.5





#19
Isopropyl Alcohol
Concen: 0.580 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.019 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

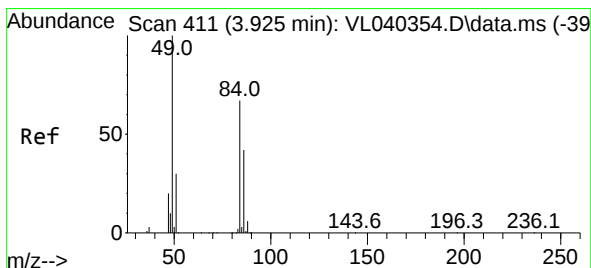
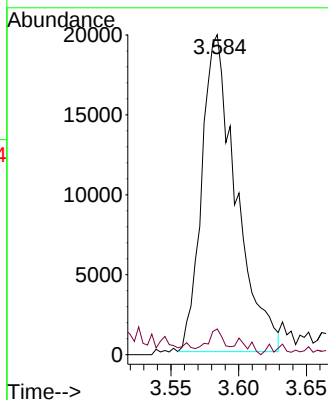
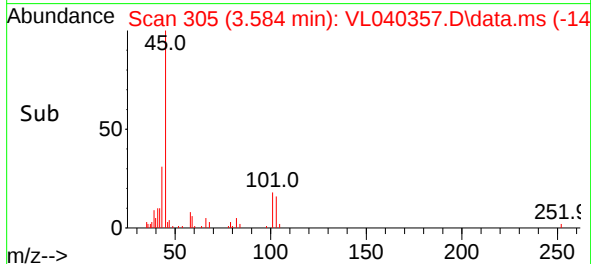
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 45 Resp: 35030
Ion Ratio Lower Upper
45 100
58 7.1 2.7 4.1

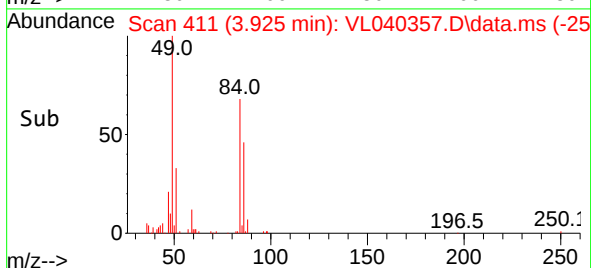
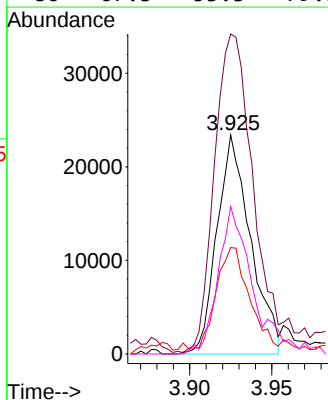
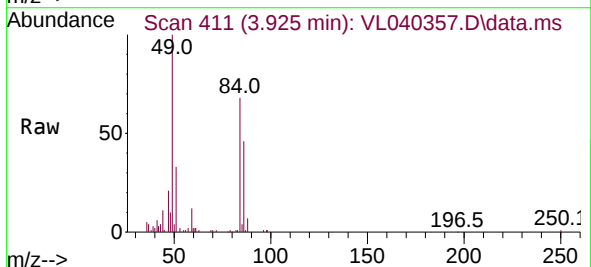
Manual Integrations
APPROVED

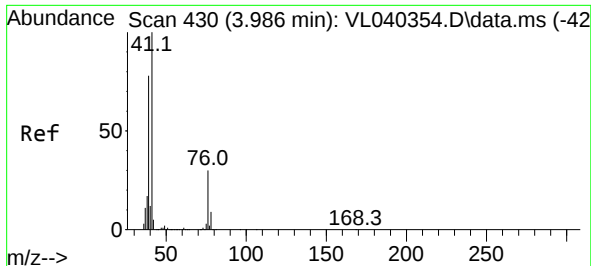
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#20
Methylene Chloride
Concen: 0.628 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion: 84 Resp: 33304
Ion Ratio Lower Upper
84 100
49 145.0 117.5 176.3
51 46.5 36.9 55.3
86 67.3 53.3 79.9





#21

Allyl Chloride

Concen: 0.518 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

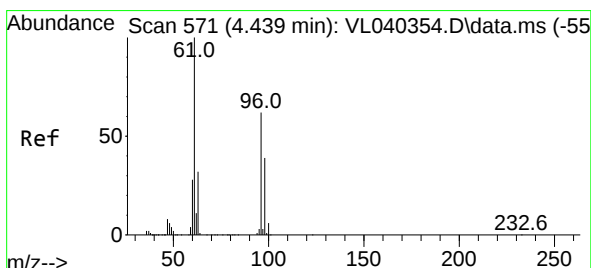
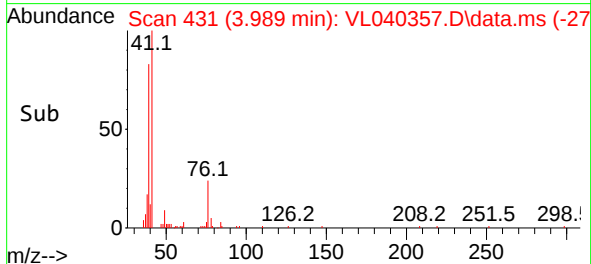
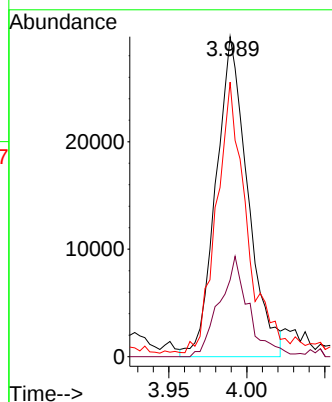
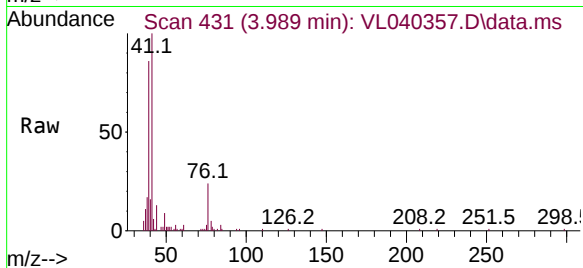
VSTDIC0.5

Tgt Ion: 41	Resp: 42280
Ion Ratio	Lower Upper
41	100
76	29.1 25.4 38.0
39	92.0 65.4 98.2

Manual Integrations

APPROVED

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



#22

trans-1,2-Dichloroethene

Concen: 0.515 ppbv m

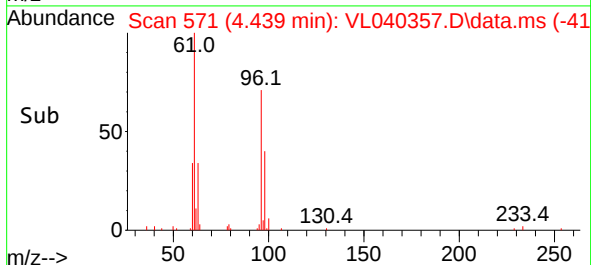
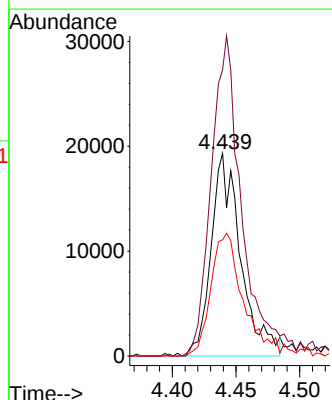
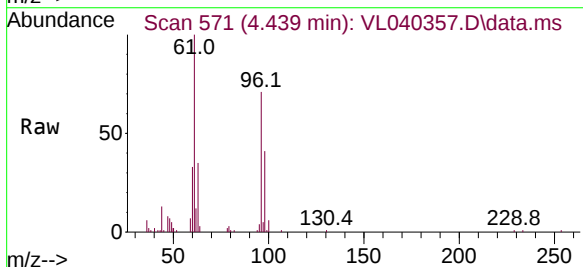
RT: 4.439 min Scan# 571

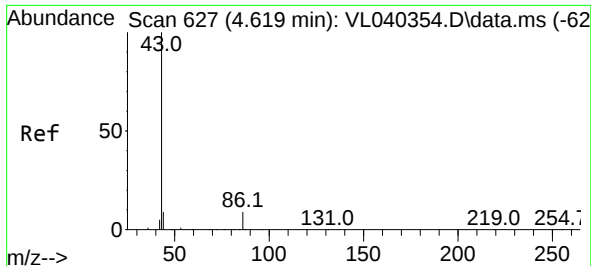
Delta R.T. 0.000 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Tgt Ion: 96	Resp: 31078
Ion Ratio	Lower Upper
96	100
61	141.2 125.4 188.2
98	57.4 49.8 74.6





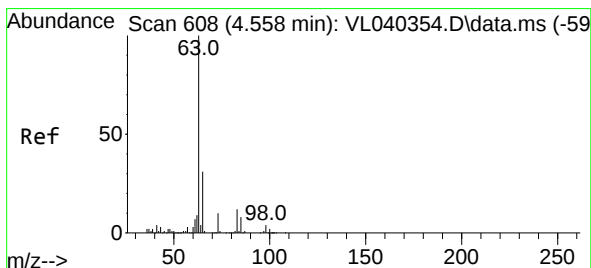
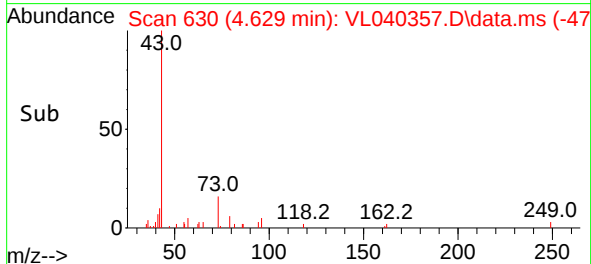
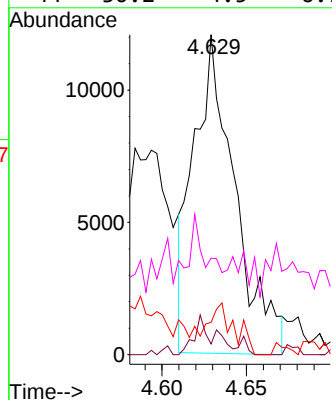
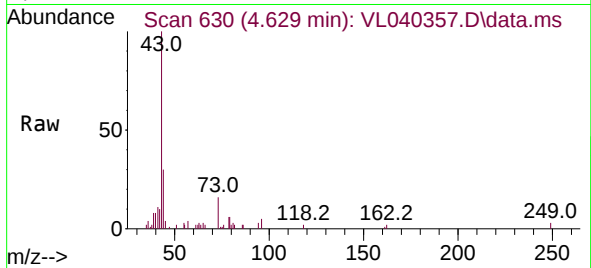
#23
 Vinyl Acetate
 Concen: 0.586 ppbv m
 RT: 4.629 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 20550
 Ion Ratio Lower Upper
 43 100
 86 1.7 5.0 7.4
 42 10.1 9.1 13.7
 44 30.2 4.5 6.7#

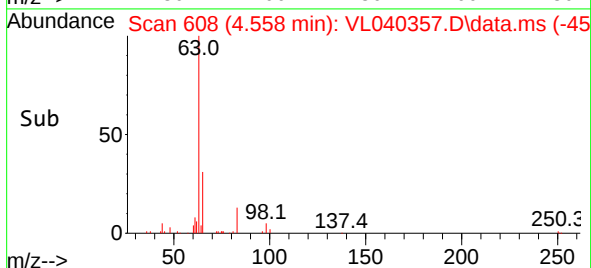
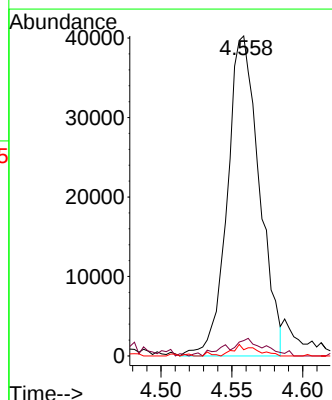
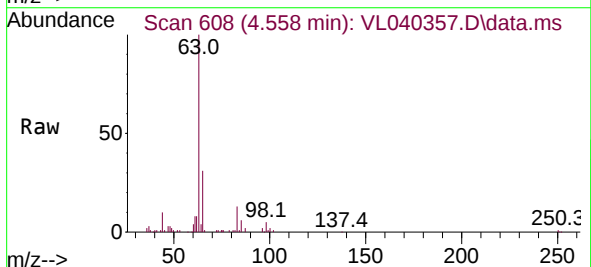
Manual Integrations
 APPROVED

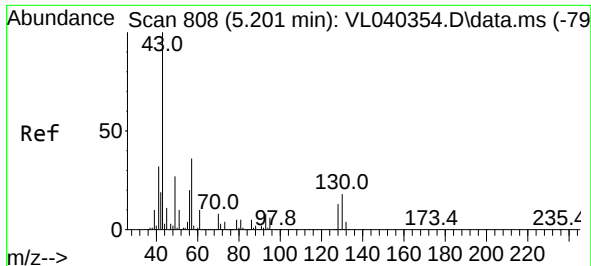
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#24
 1,1-Dichloroethane
 Concen: 0.507 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

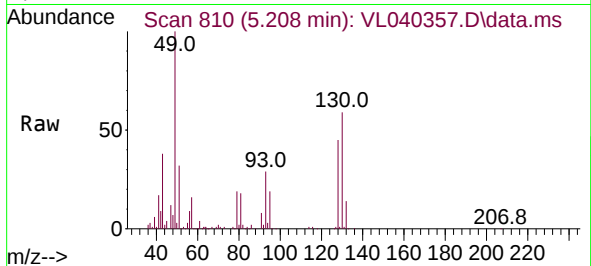
Tgt Ion: 63 Resp: 63361
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.4 7.2
 100 2.0 1.2 3.6





#25
Ethyl Acetate
Concen: 0.497 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

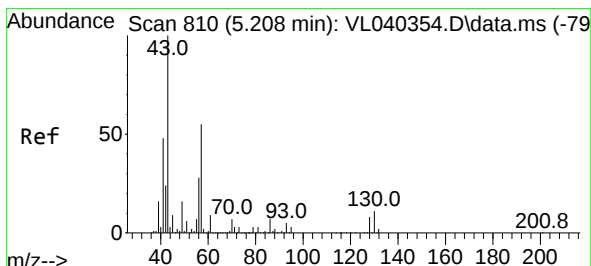
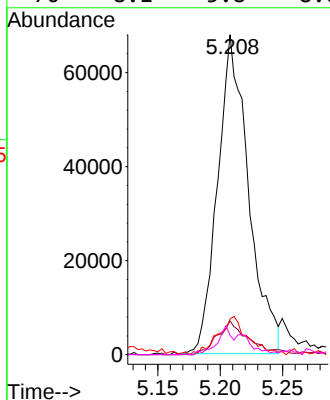
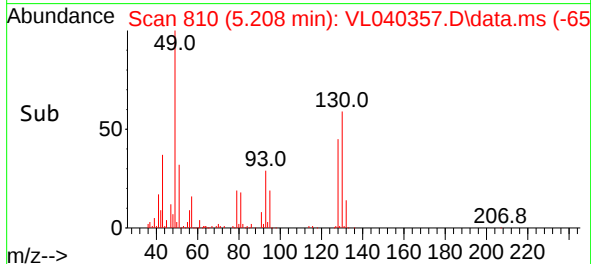
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 117130
Ion Ratio Lower Upper
43 100
45 11.3 8.6 12.8
61 11.3 8.4 12.6
70 8.1 5.8 8.6

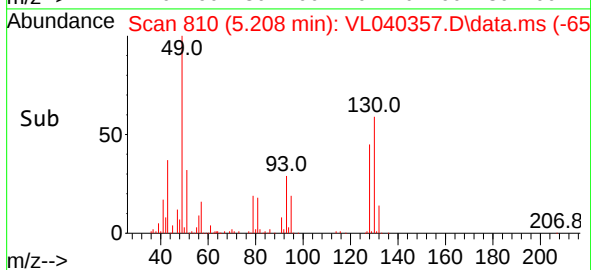
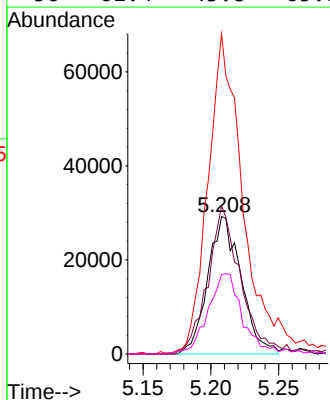
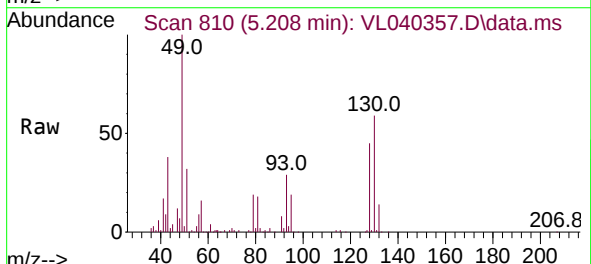
Manual Integrations
APPROVED

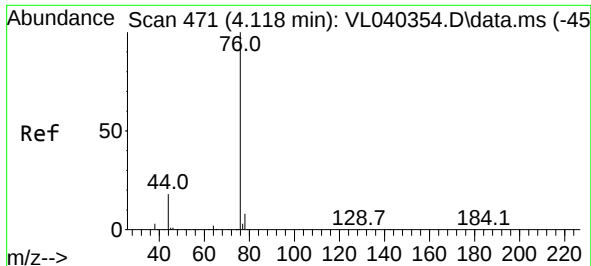
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#26
Hexane
Concen: 0.517 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

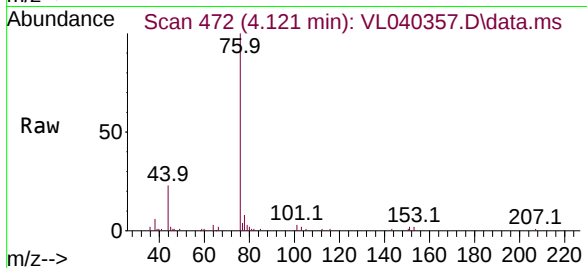
Tgt Ion: 57 Resp: 50109
Ion Ratio Lower Upper
57 100
41 108.3 73.5 110.3
43 260.2 196.3 294.5
56 61.4 43.8 65.8





#27
Carbon Disulfide
Concen: 0.454 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

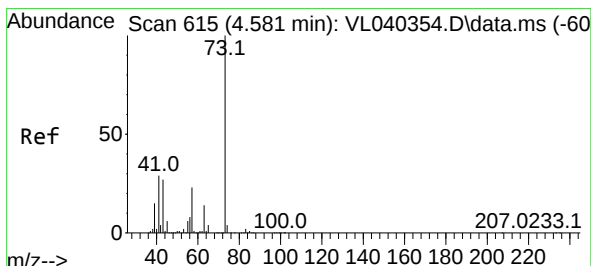
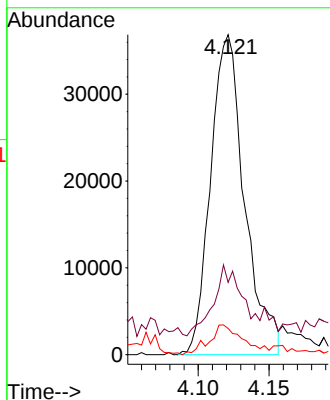
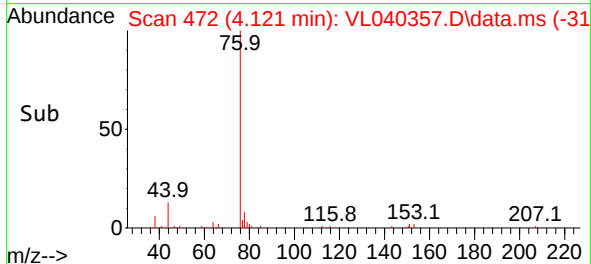
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 76 Resp: 6143
Ion Ratio Lower Upper
76 100
44 24.4 15.2 22.8
78 12.1 7.6 11.4

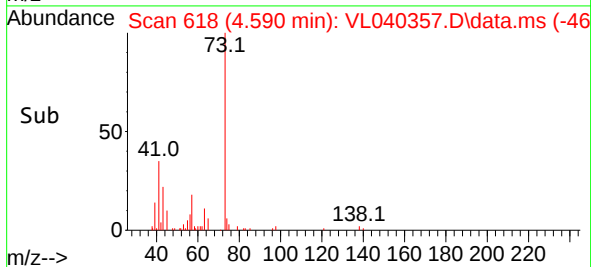
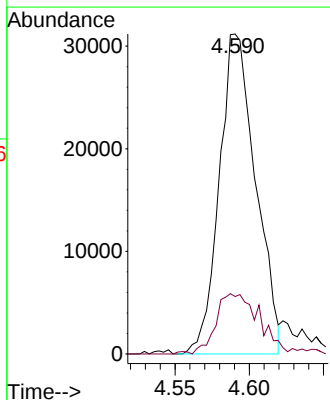
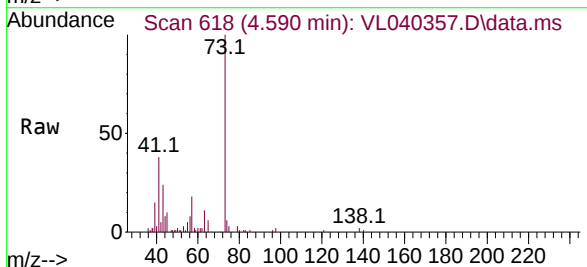
Manual Integrations
APPROVED

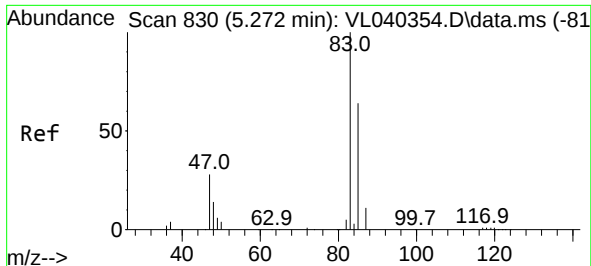
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#28
Methyl tert-Butyl Ether
Concen: 0.478 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.009 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion: 73 Resp: 53116
Ion Ratio Lower Upper
73 100
57 23.8 18.4 27.6





#29

Chloroform

Concen: 0.550 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 94050

Ion Ratio Lower Upper

83 100

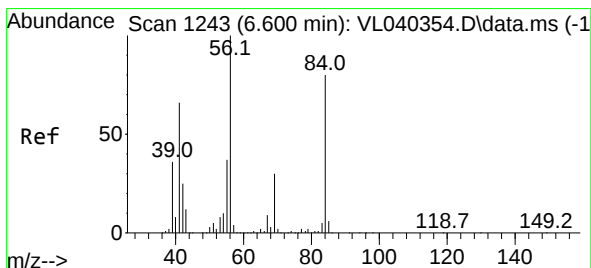
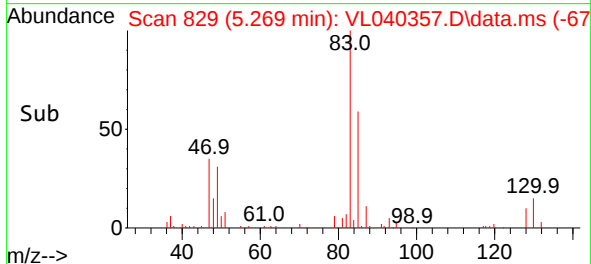
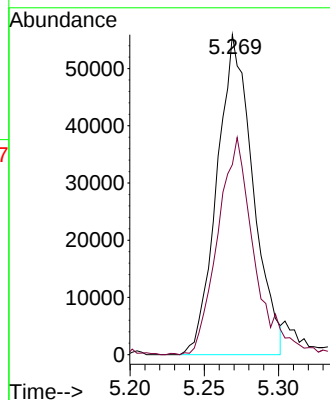
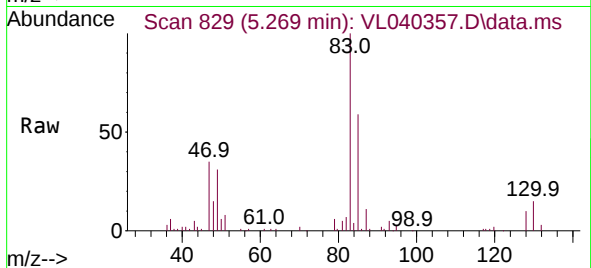
85 59.4 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#30

Cyclohexane

Concen: 0.457 ppbv m

RT: 6.610 min Scan# 1246

Delta R.T. 0.007 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

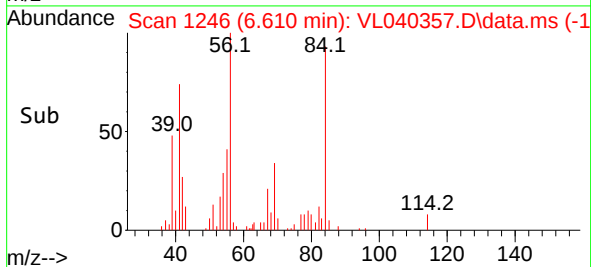
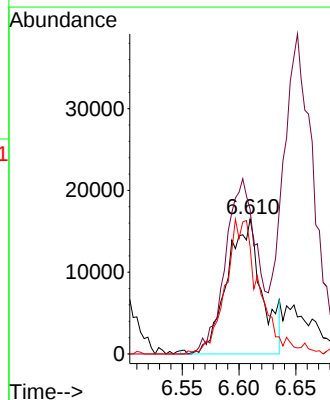
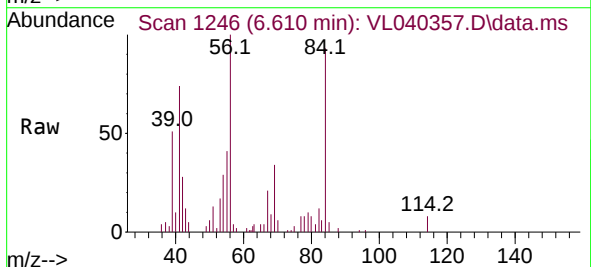
Tgt Ion: 84 Resp: 34836

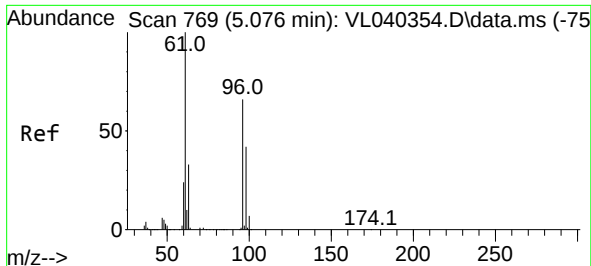
Ion Ratio Lower Upper

84 100

56 115.1 109.0 163.4

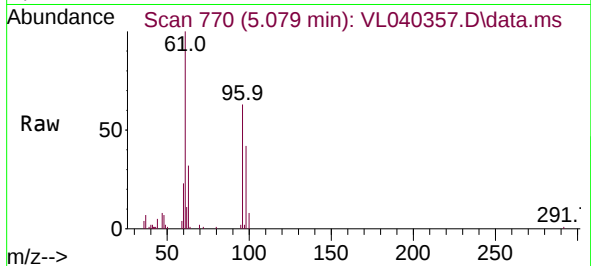
41 0.0 67.9 101.9#





#31
 cis-1,2-Dichloroethene
 Concen: 0.506 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

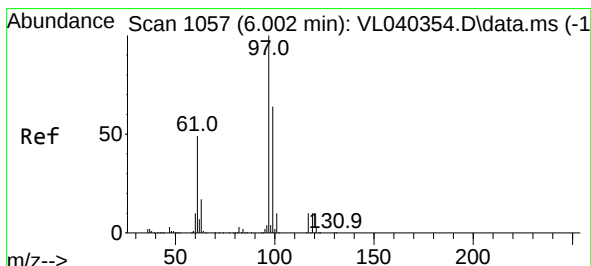
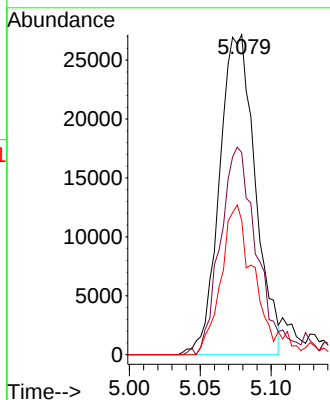
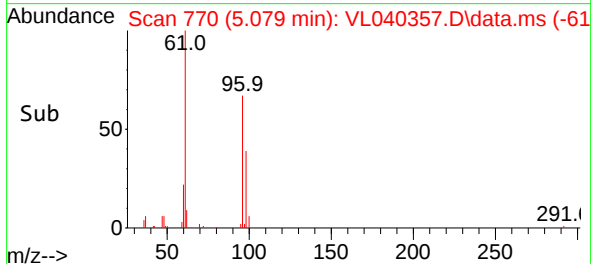
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 61 Resp: 47748
 Ion Ratio Lower Upper
 61 100
 96 63.2 51.8 77.8
 98 42.0 32.5 48.7

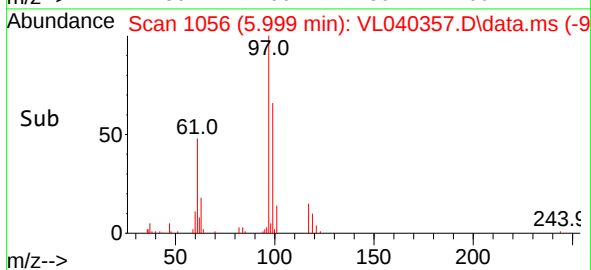
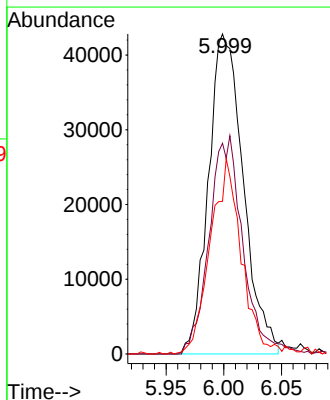
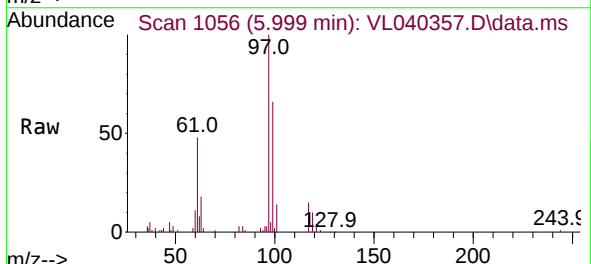
Manual Integrations
 APPROVED

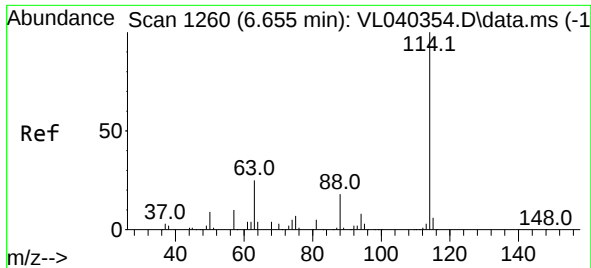
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.549 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VL040357.D
 Acq: 13 Apr 2023 12:01

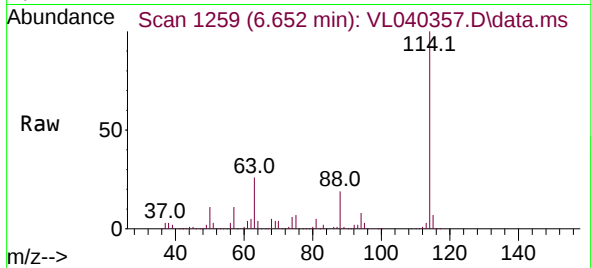
Tgt Ion: 97 Resp: 89866
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.2 78.2
 61 55.4 41.4 62.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

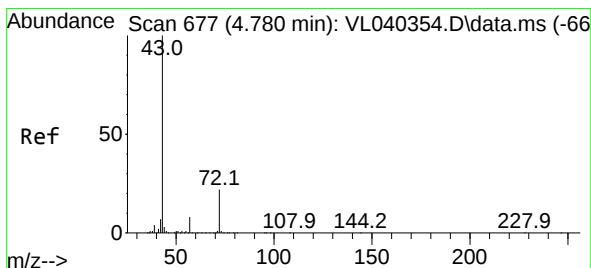
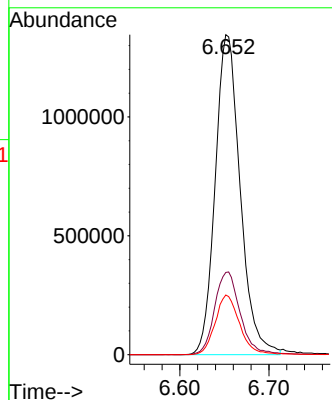
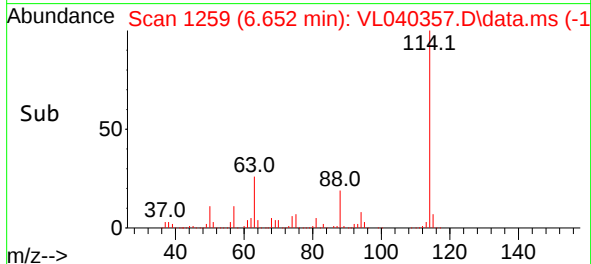
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:114 Resp: 262206
Ion Ratio Lower Upper
114 100
63 26.7 21.2 31.8
88 18.4 14.5 21.7

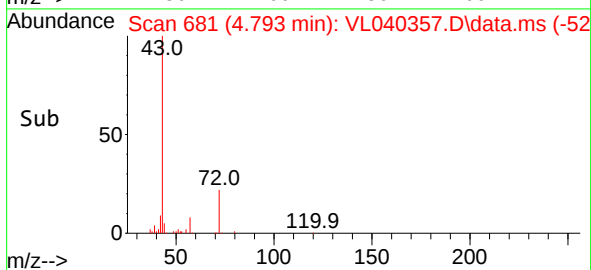
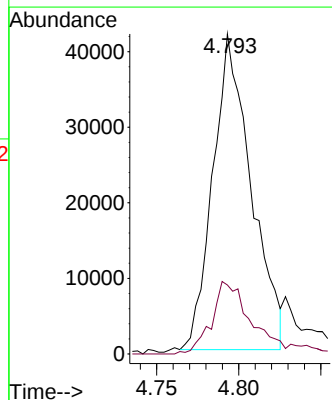
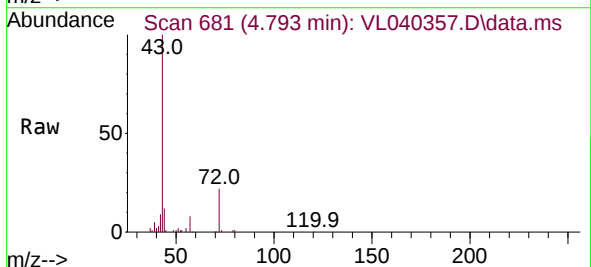
Manual Integrations
APPROVED

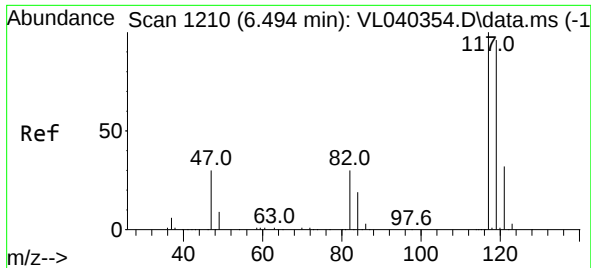
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#34
2-Butanone
Concen: 0.523 ppbv
RT: 4.793 min Scan# 681
Delta R.T. 0.013 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

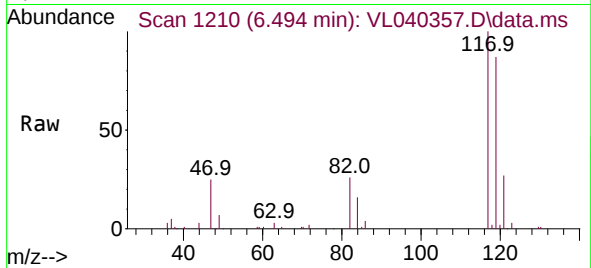
Tgt Ion: 43 Resp: 67720
Ion Ratio Lower Upper
43 100
72 25.6 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.550 ppbv m
RT: 6.494 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

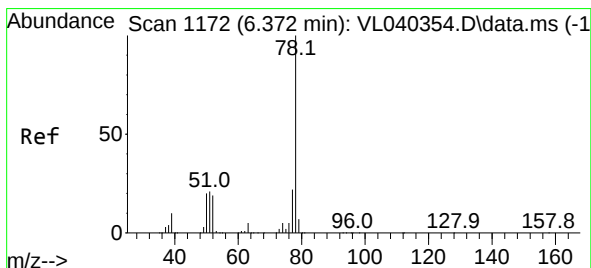
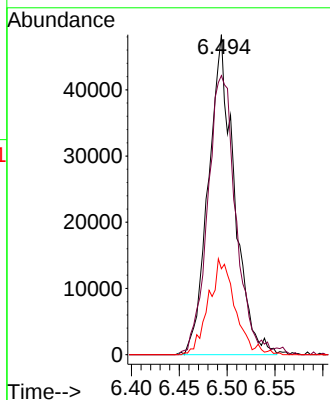
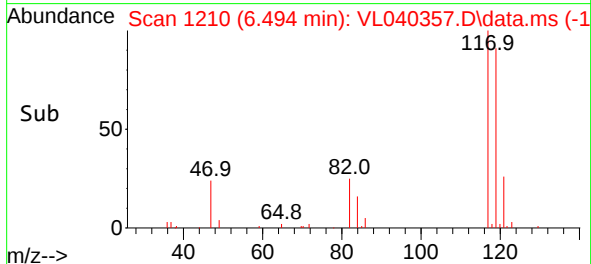
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 117 Resp: 90530
Ion Ratio Lower Upper
117 100
119 87.2 76.4 114.6
121 26.9 25.6 38.4

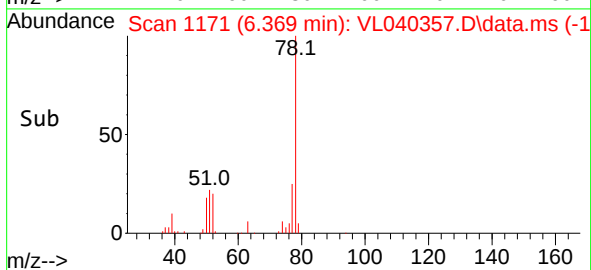
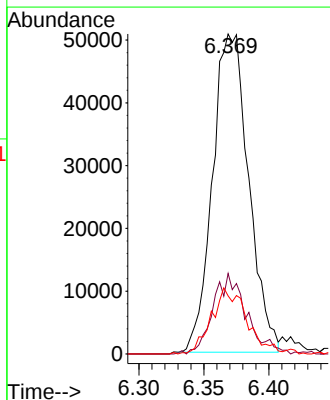
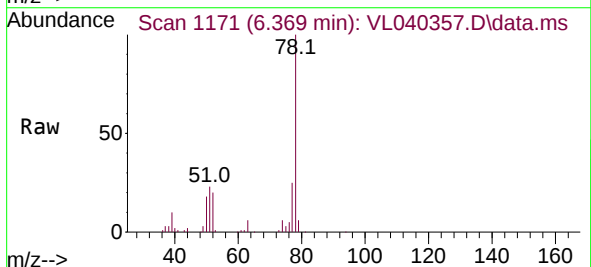
Manual Integrations
APPROVED

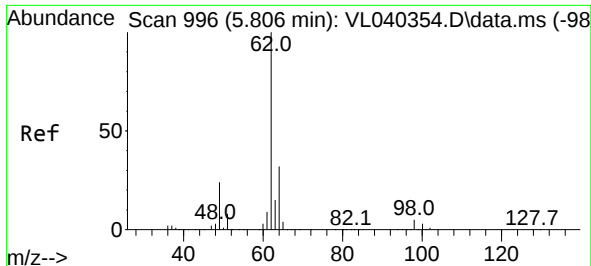
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#36
Benzene
Concen: 0.490 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion: 78 Resp: 98010
Ion Ratio Lower Upper
78 100
77 25.0 17.8 26.8
50 18.2 15.4 23.2





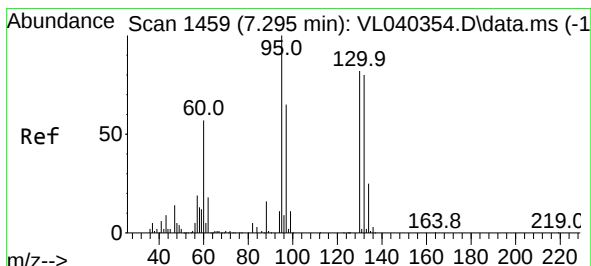
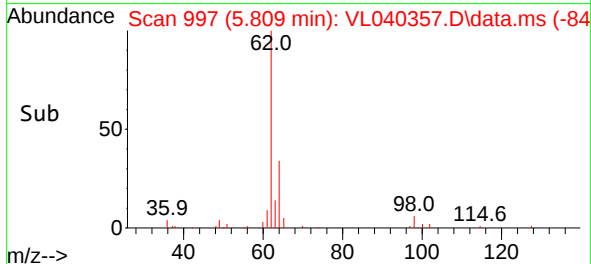
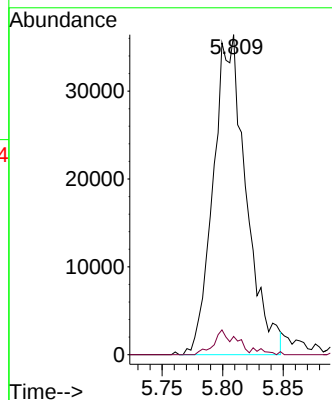
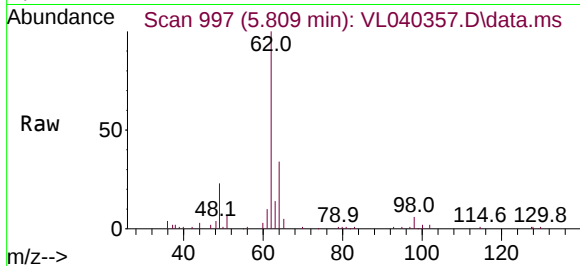
#37
1,2-Dichloroethane
Concen: 0.526 ppbv m
RT: 5.809 min Scan# 996
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 68434
Ion Ratio Lower Upper
62 100
98 6.0 4.3 6.5

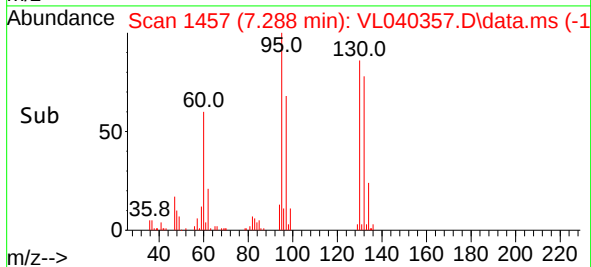
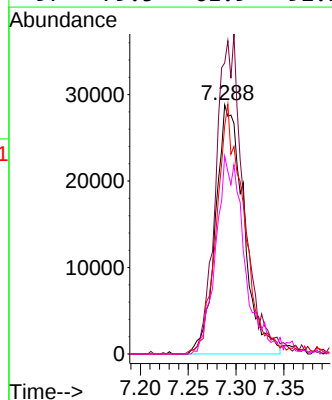
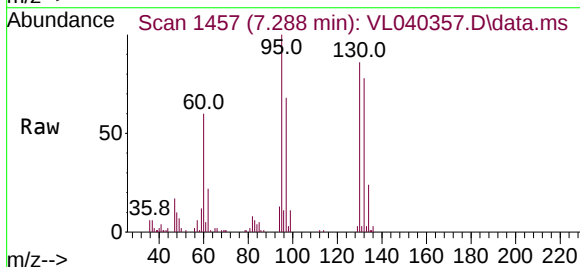
Manual Integrations
APPROVED

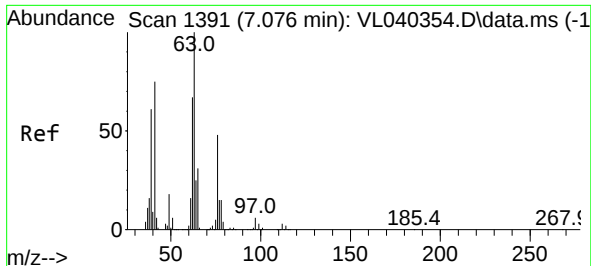
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#38
Trichloroethene
Concen: 0.541 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. -0.007 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion:130 Resp: 59061
Ion Ratio Lower Upper
130 100
95 116.9 93.0 139.4
132 91.6 75.3 112.9
97 79.5 61.9 92.9





#39

1,2-Dichloropropane

Concen: 0.528 ppbv m

RT: 7.079 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

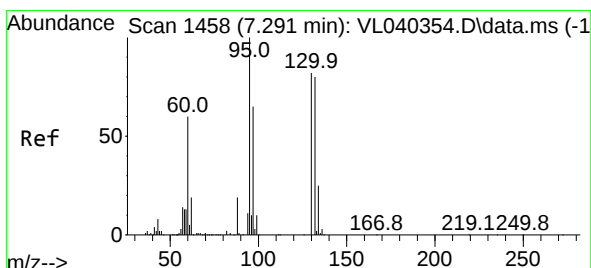
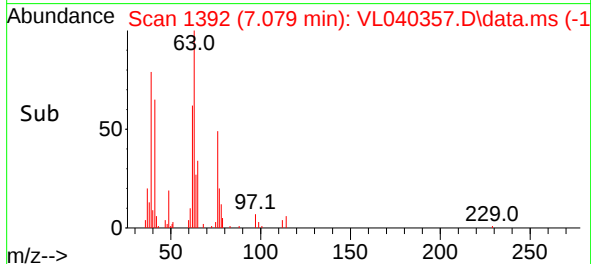
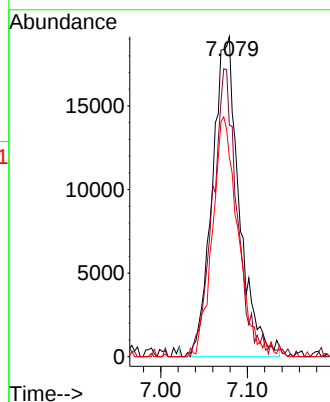
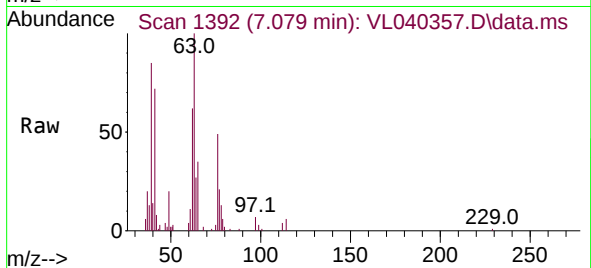
VSTDICC0.5

Tgt Ion: 63	Resp: 4140
Ion Ratio	Lower Upper
63	100
41	72.4 60.8 91.2
62	62.4 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: 0.516 ppbv m

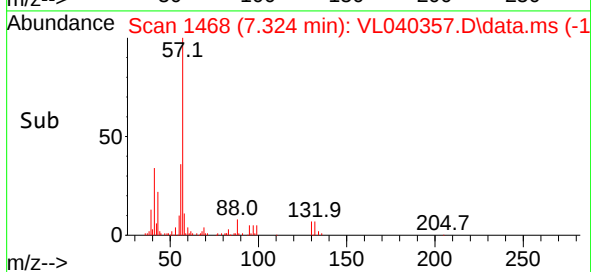
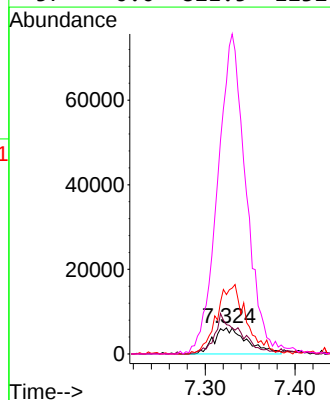
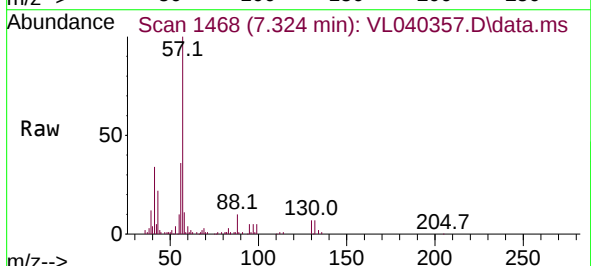
RT: 7.324 min Scan# 1468

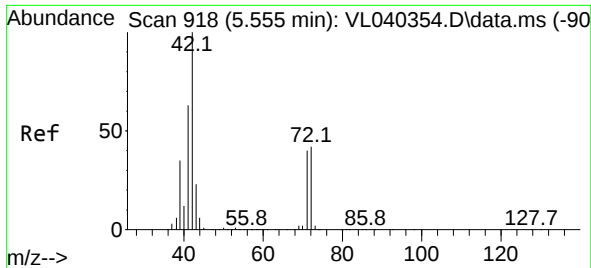
Delta R.T. 0.032 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Tgt Ion: 88	Resp: 15995
Ion Ratio	Lower Upper
88	100
58	0.0 96.0 144.0#
43	0.0 187.6 281.4#
57	0.0 821.5 1232.3#





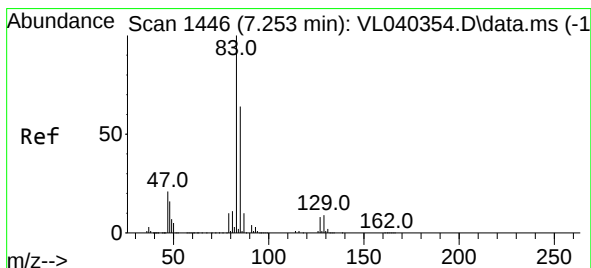
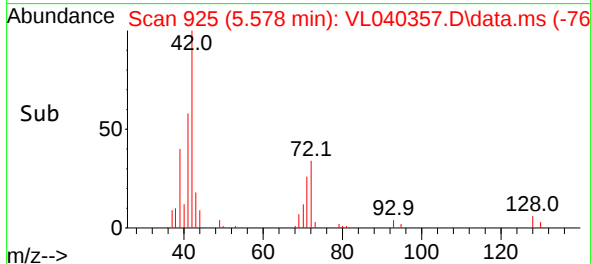
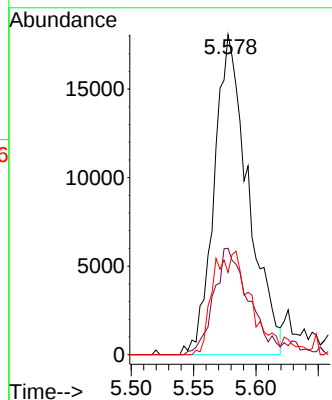
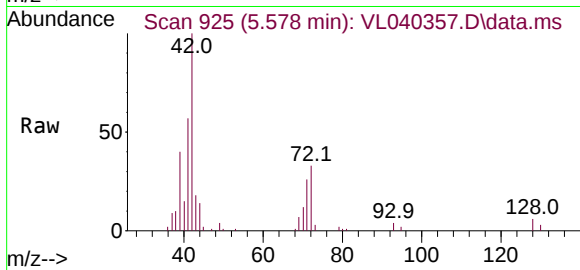
#41
Tetrahydrofuran
Concen: 0.460 ppbv
RT: 5.578 min Scan# 918
Delta R.T. 0.023 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 34349
Ion Ratio Lower Upper
42 100
72 37.0 32.6 49.0
71 38.5 31.0 46.4

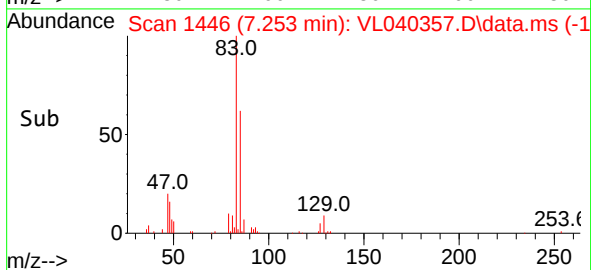
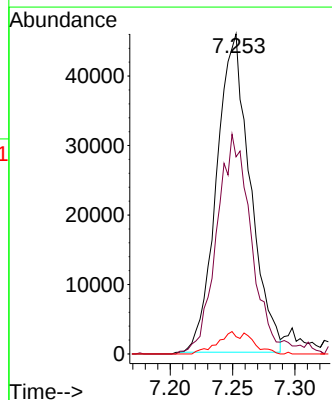
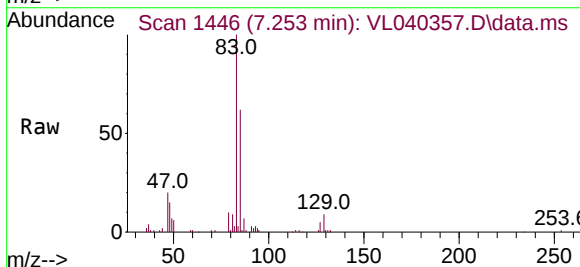
Manual Integrations
APPROVED

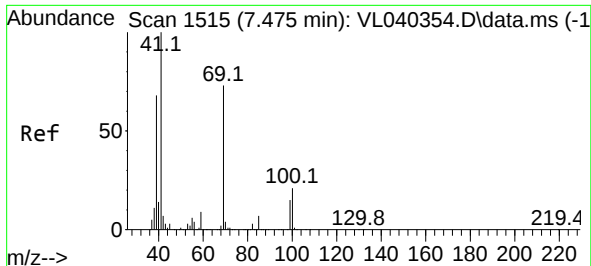
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#42
Bromodichloromethane
Concen: 0.482 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

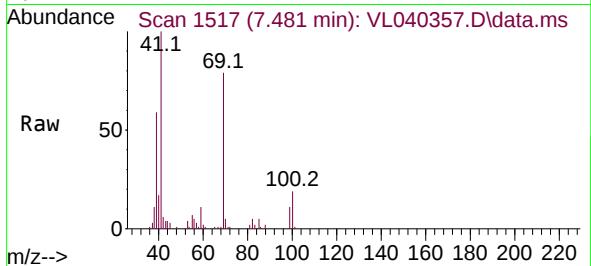
Tgt Ion: 83 Resp: 85750
Ion Ratio Lower Upper
83 100
85 61.1 52.1 78.1
127 5.4 5.8 8.6#





#43
Methyl Methacrylate
Concen: 0.442 ppbv
RT: 7.481 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

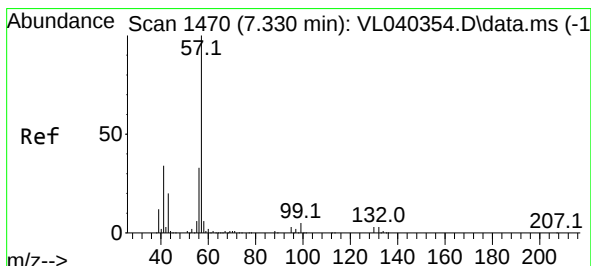
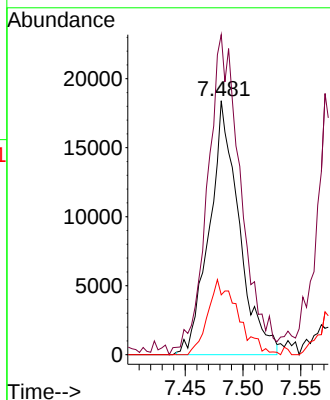
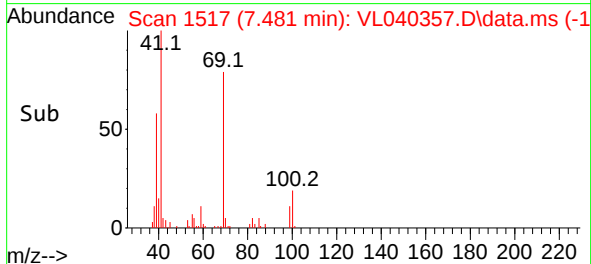
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



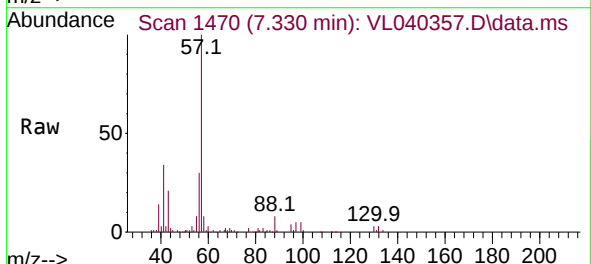
Tgt Ion: 69 Resp: 32834
Ion Ratio Lower Upper
69 100
41 142.7 116.9 175.3
100 30.1 24.2 36.4

Manual Integrations
APPROVED

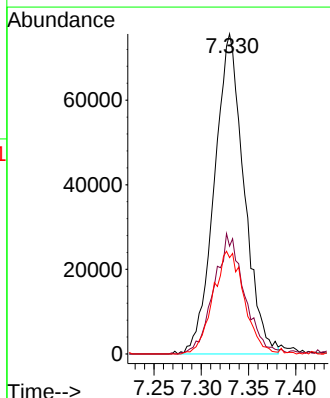
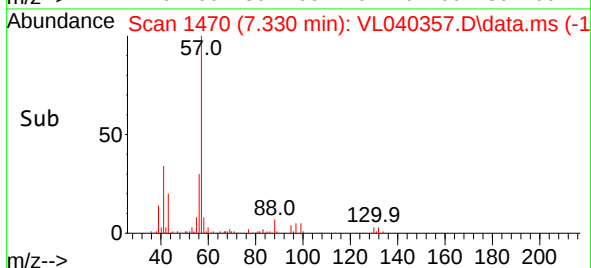
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

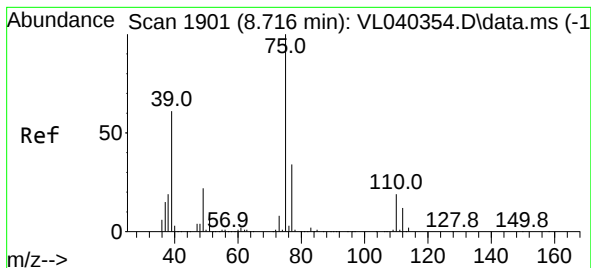


#44
2,2,4-Trimethylpentane
Concen: 0.495 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01



Tgt Ion: 57 Resp: 165002
Ion Ratio Lower Upper
57 100
41 39.0 26.8 40.2
56 34.2 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 0.410 ppbv m

RT: 8.719 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 26518

Ion Ratio Lower Upper

75 100

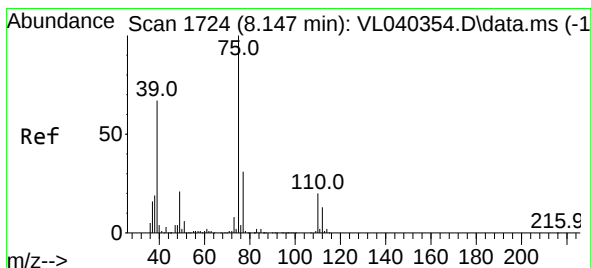
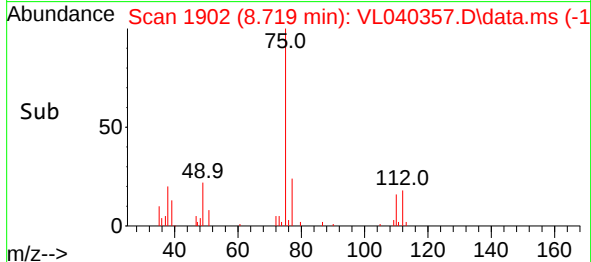
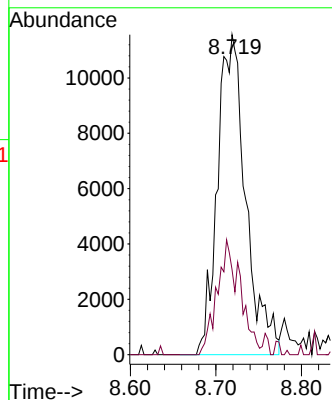
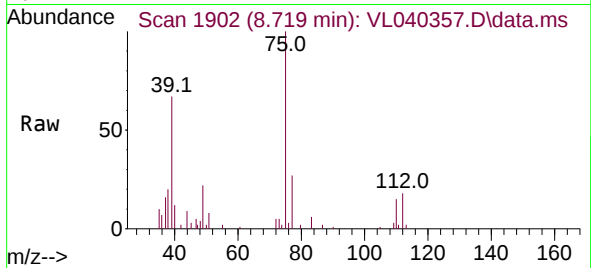
77 26.6 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#46

cis-1,3-Dichloropropene

Concen: 0.418 ppbv m

RT: 8.150 min Scan# 1725

Delta R.T. 0.003 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

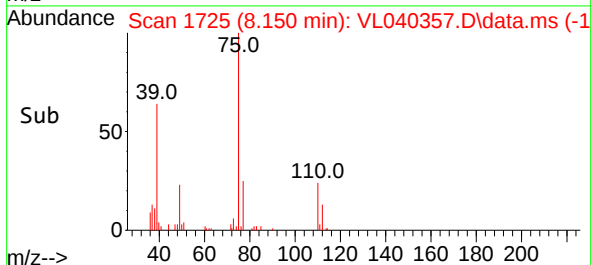
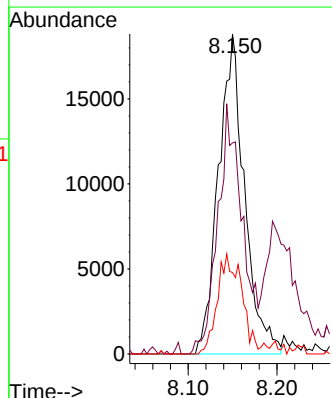
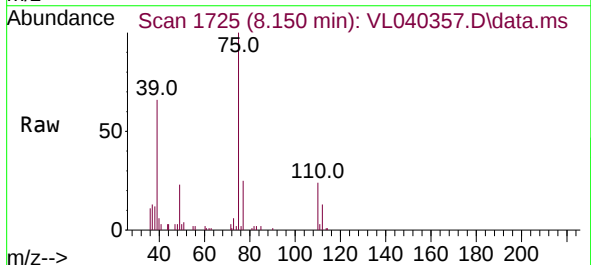
Tgt Ion: 75 Resp: 38384

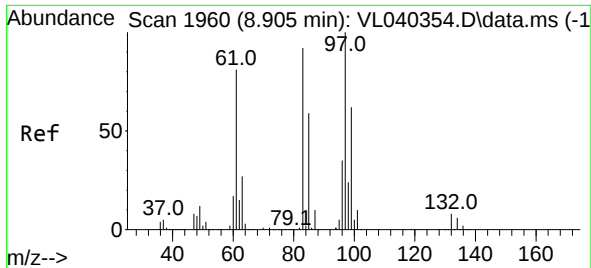
Ion Ratio Lower Upper

75 100

39 65.9 53.9 80.9

77 25.4 25.3 37.9





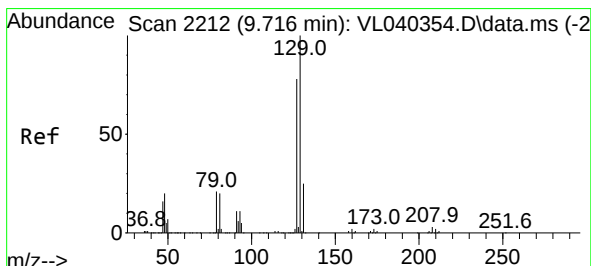
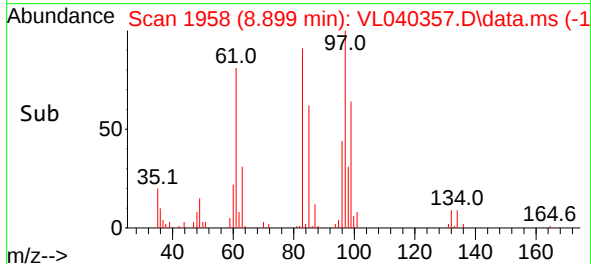
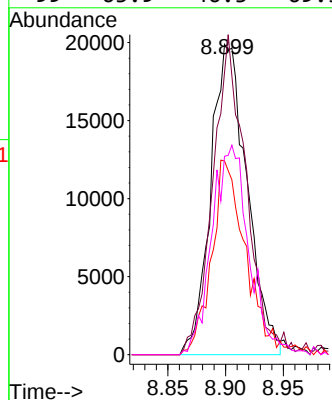
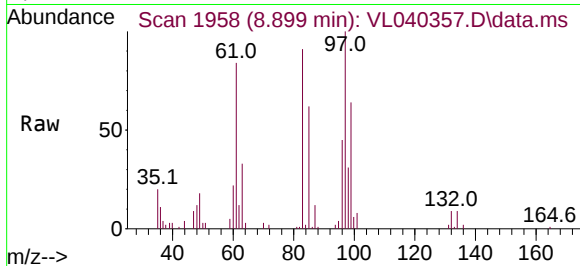
#47
1,1,2-Trichloroethane
Concen: 0.520 ppbv
RT: 8.899 min Scan# 1960
Delta R.T. -0.007 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 97	Resp: 4346
Ion Ratio	Lower Upper
97 100	
83 90.9	68.6 103.0
85 62.5	46.0 69.0
99 63.9	46.3 69.5

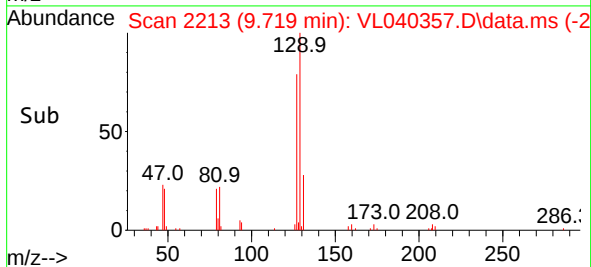
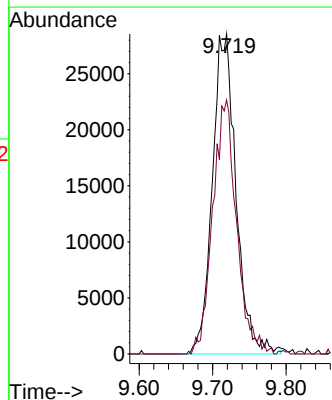
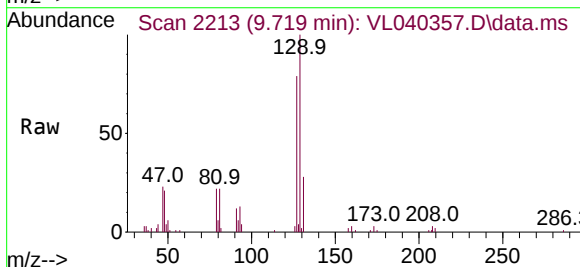
Manual Integrations
APPROVED

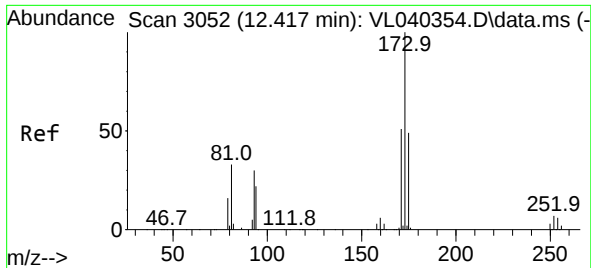
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#48
Dibromochloromethane
Concen: 0.464 ppbv m
RT: 9.719 min Scan# 2213
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

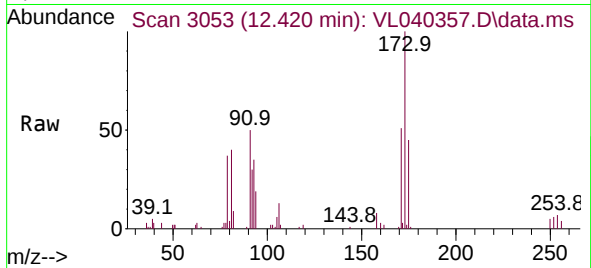
Tgt Ion:129	Resp: 63905
Ion Ratio	Lower Upper
129 100	
127 0.0	39.1 117.5#





#49
Bromoform
Concen: 0.455 ppbv m
RT: 12.420 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

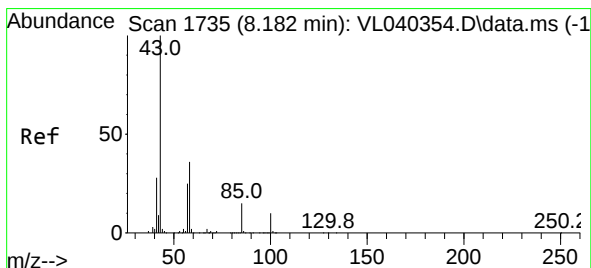
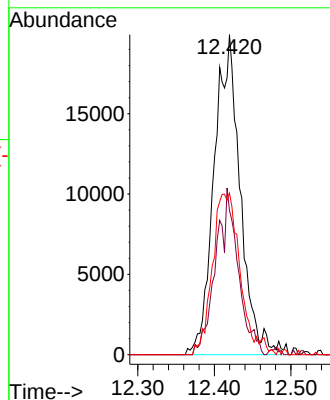
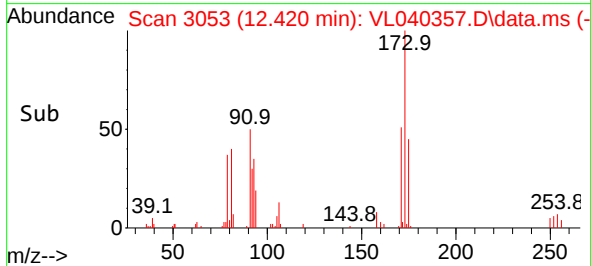
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 173 Resp: 4707
Ion Ratio Lower Upper
173 100
175 0.0 39.8 59.8
171 0.0 42.2 63.4

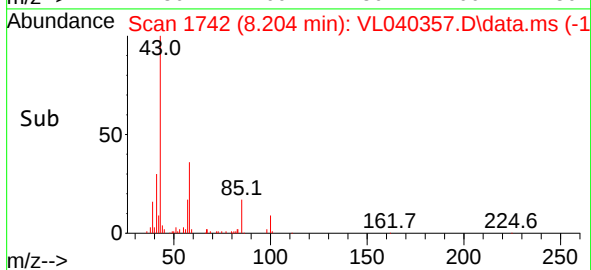
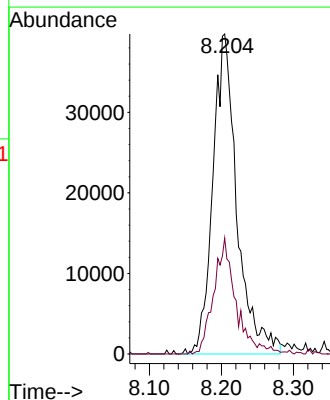
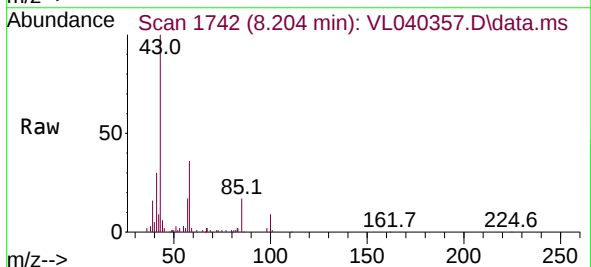
Manual Integrations
APPROVED

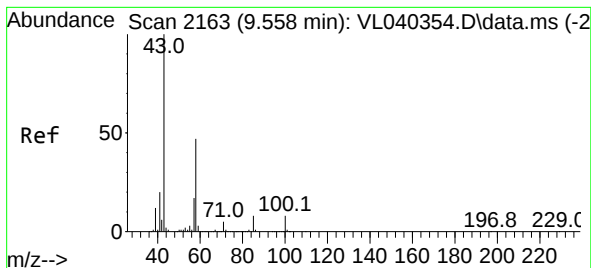
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#50
4-Methyl-2-Pentanone
Concen: 0.462 ppbv m
RT: 8.204 min Scan# 1742
Delta R.T. 0.019 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

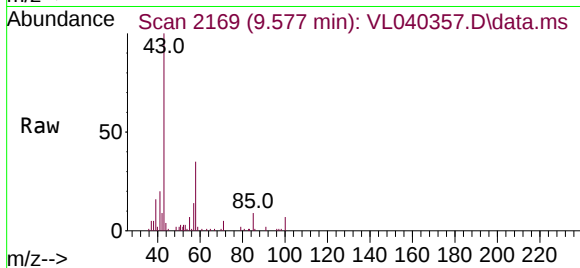
Tgt Ion: 43 Resp: 92588
Ion Ratio Lower Upper
43 100
58 0.0 29.2 43.8





#51
2-Hexanone
Concen: 0.405 ppbv m
RT: 9.577 min Scan# 2163
Delta R.T. 0.022 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

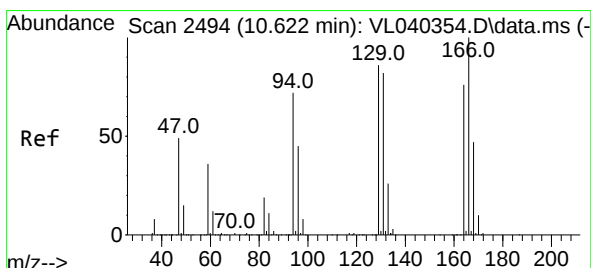
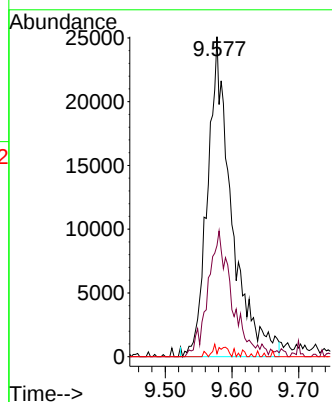
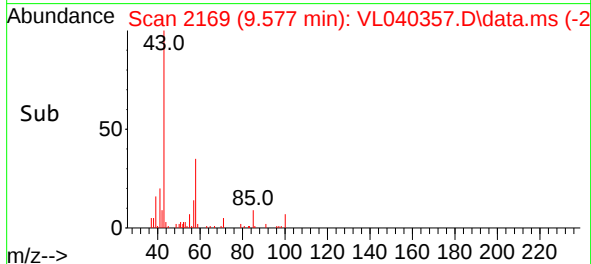
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 62762
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0
98 2.2 0.5 0.7

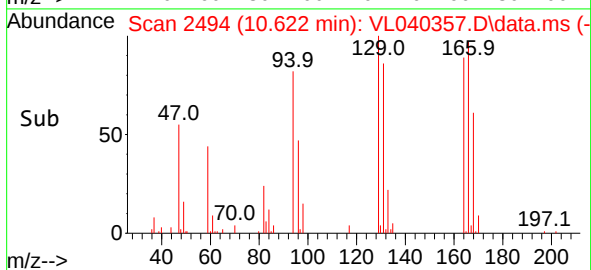
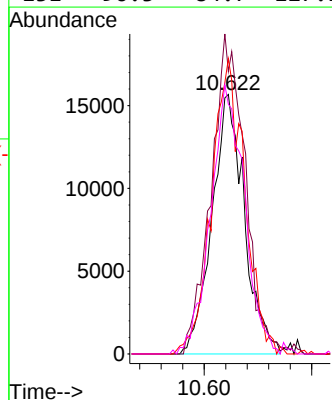
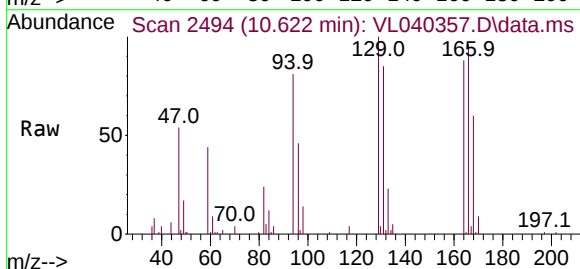
Manual Integrations
APPROVED

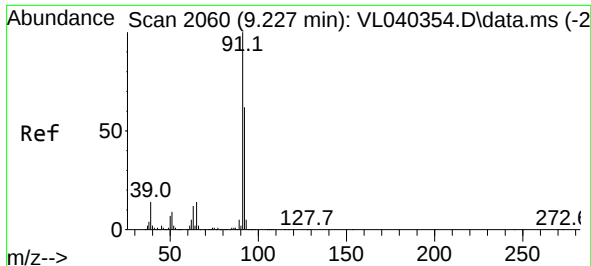
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#52
Tetrachloroethene
Concen: 0.541 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion:164 Resp: 32726
Ion Ratio Lower Upper
164 100
166 108.9 101.8 152.6
129 111.1 90.2 135.2
131 96.3 84.7 127.1





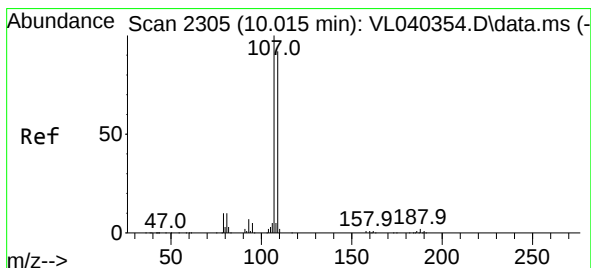
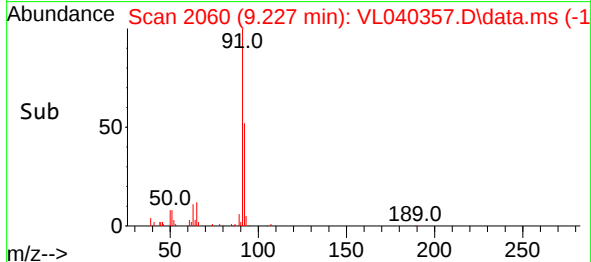
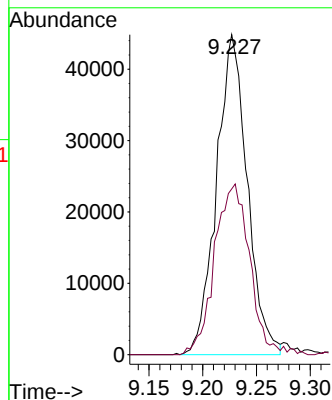
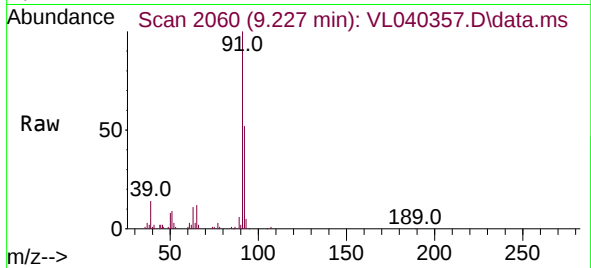
#53
Toluene
Concen: 0.426 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 89250
Ion Ratio Lower Upper
91 100
92 61.1 48.0 72.0

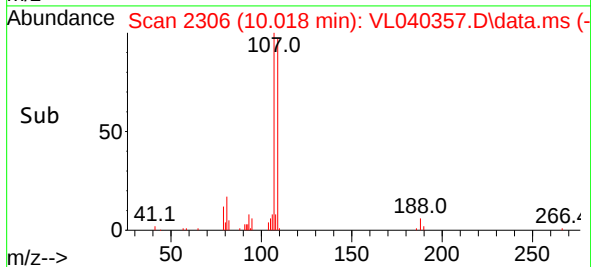
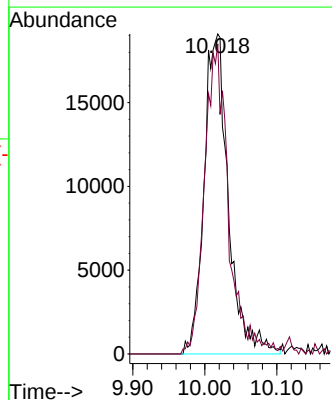
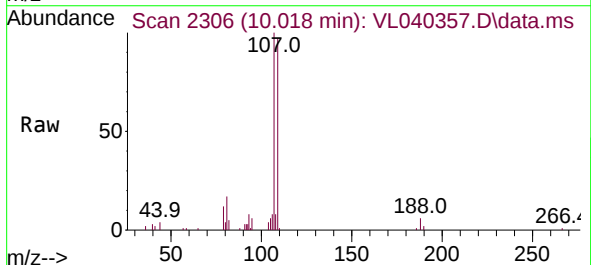
Manual Integrations
APPROVED

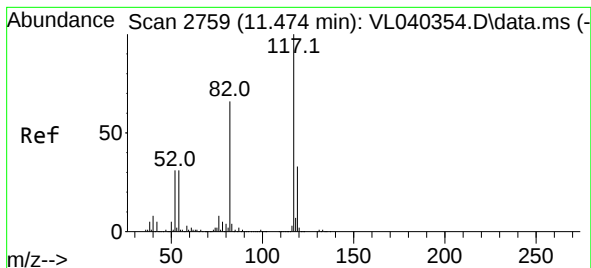
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#54
1,2-Dibromoethane
Concen: 0.520 ppbv m
RT: 10.018 min Scan# 2306
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

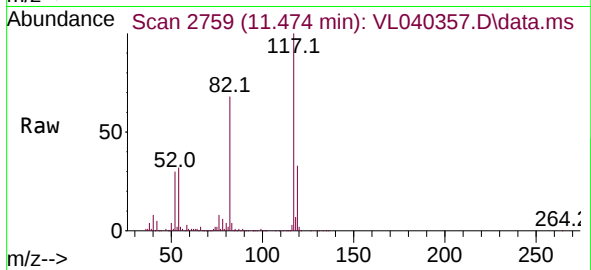
Tgt Ion:107 Resp: 44731
Ion Ratio Lower Upper
107 100
109 96.9 77.0 115.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2759
Delta R.T. -0.004 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

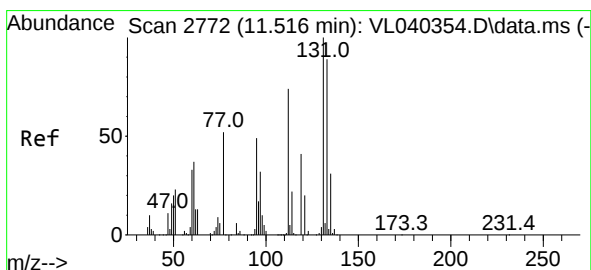
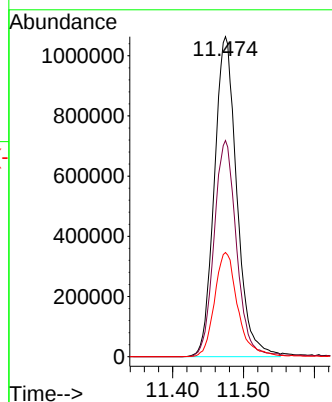
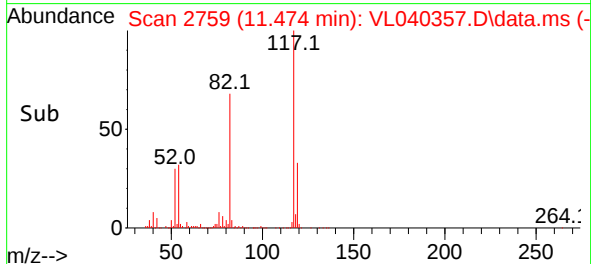
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 235015
Ion Ratio Lower Upper
117 100
82 68.0 51.4 77.2
119 33.8 24.0 36.0

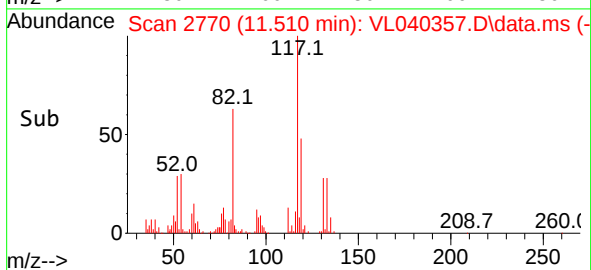
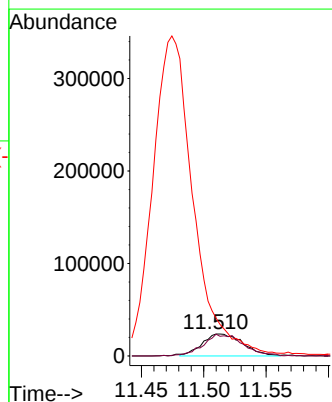
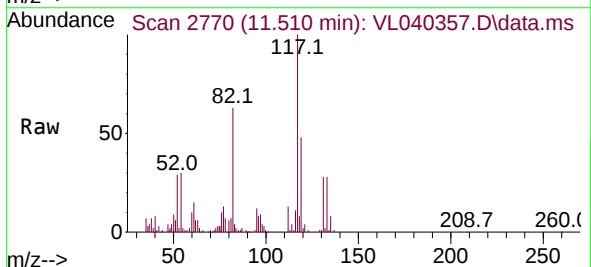
Manual Integrations
APPROVED

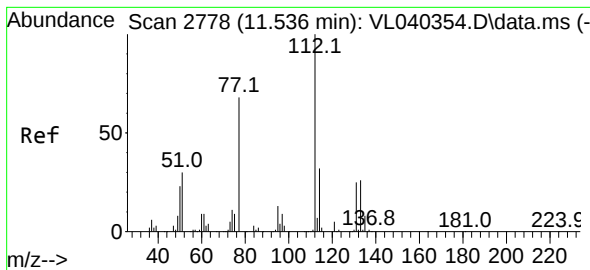
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.548 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.006 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion:131 Resp: 54215
Ion Ratio Lower Upper
131 100
133 96.5 76.5 114.7
119 0.0 47.9 71.9#





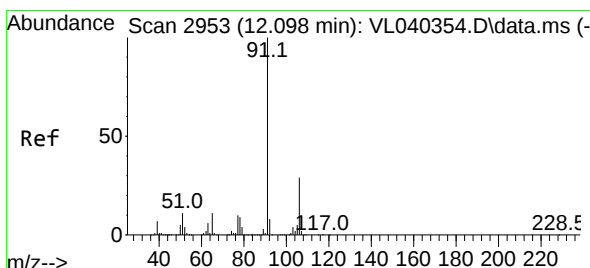
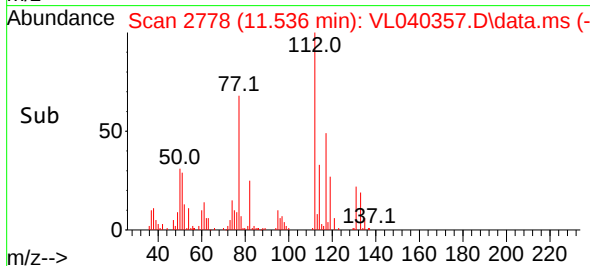
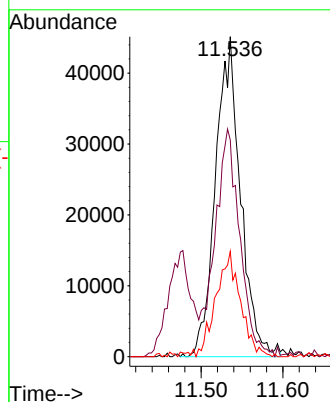
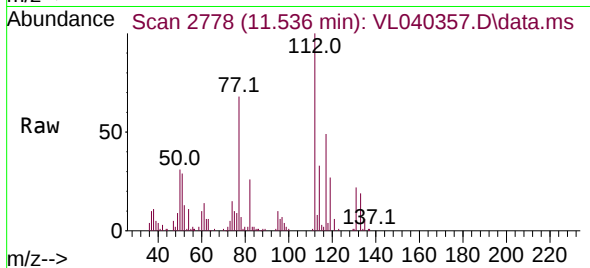
#57
Chlorobenzene
Concen: 0.574 ppbv m
RT: 11.536 min Scan# 2778
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 95878
Ion Ratio Lower Upper
112 100
77 67.7 56.2 84.2
114 32.9 29.0 35.4

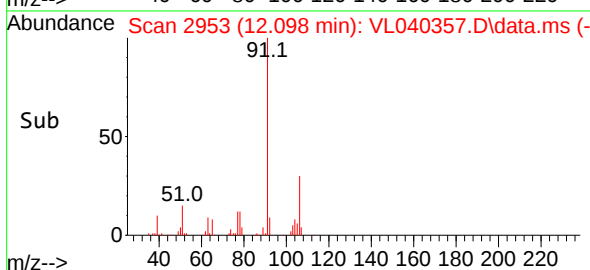
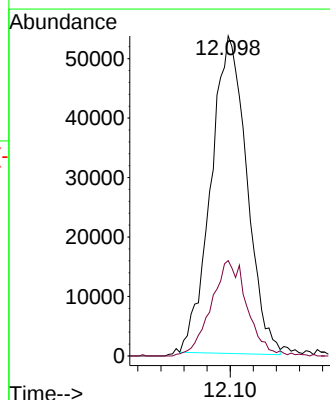
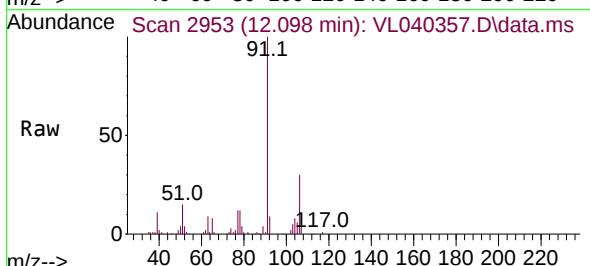
Manual Integrations
APPROVED

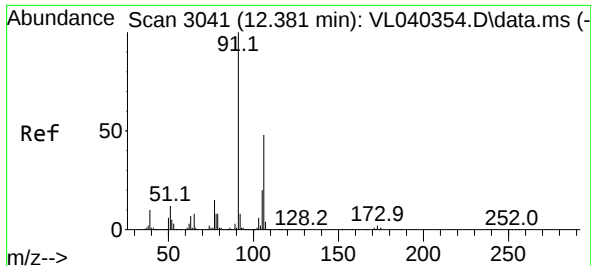
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#58
Ethyl Benzene
Concen: 0.431 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

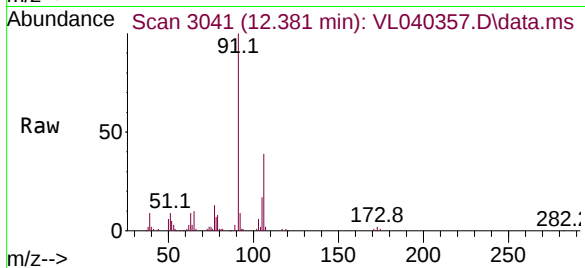
Tgt Ion: 91 Resp: 115268
Ion Ratio Lower Upper
91 100
106 29.1 23.4 35.2





#59
m/p-Xylene
Concen: 0.950 ppbv m
RT: 12.381 min Scan# 3041
Delta R.T. 0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

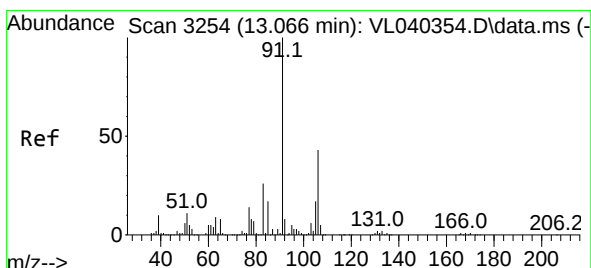
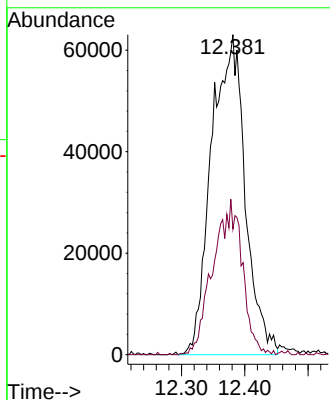
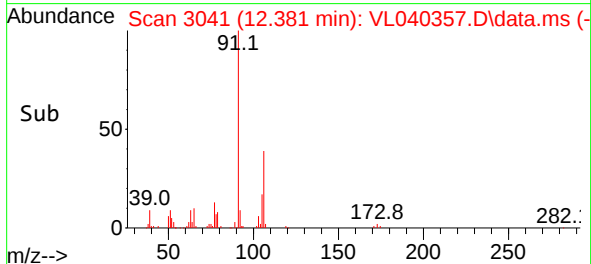
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



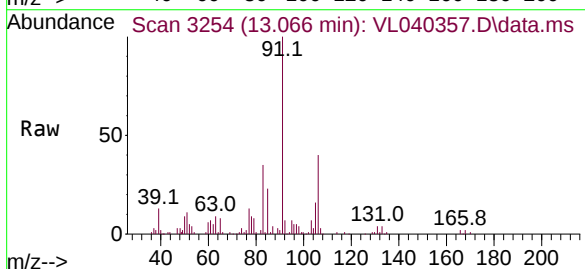
Tgt Ion: 91 Resp: 23298
Ion Ratio Lower Upper
91 100
106 42.5 34.0 51.0

Manual Integrations
APPROVED

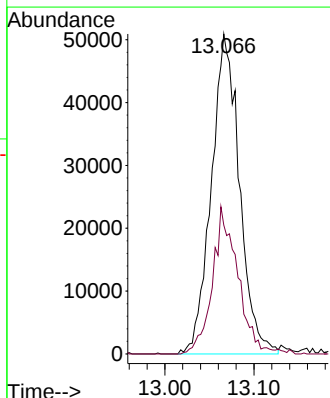
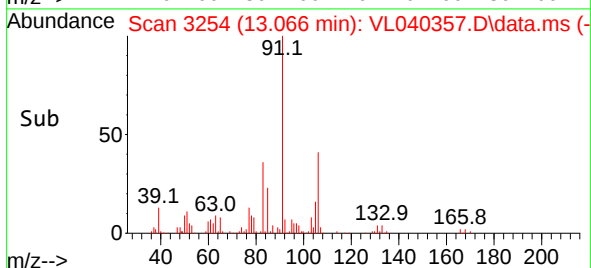
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

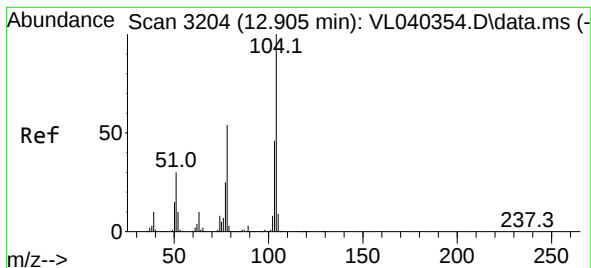


#60
o-Xylene
Concen: 0.477 ppbv
RT: 13.066 min Scan# 3254
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01



Tgt Ion: 91 Resp: 111745
Ion Ratio Lower Upper
91 100
106 41.8 21.7 65.1





#61

Styrene

Concen: 0.375 ppbv m

RT: 12.905 min Scan# 31

Delta R.T. -0.004 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

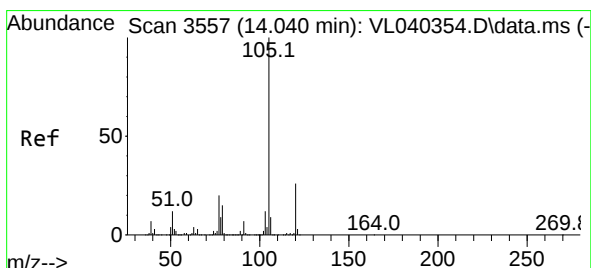
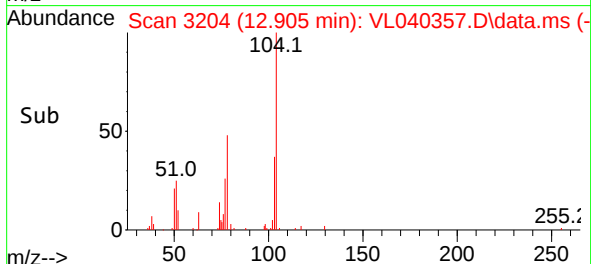
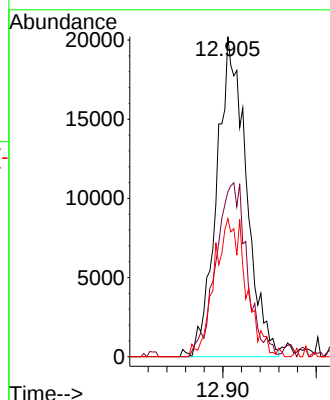
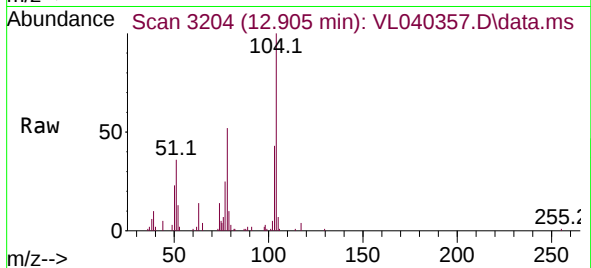
VSTDICC0.5

Tgt Ion:104	Resp:	4463
Ion Ratio	Lower	Upper
104	100	
78	0.0	43.7
103	46.9	37.4

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 0.505 ppbv

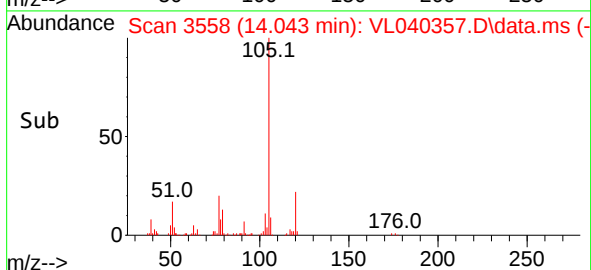
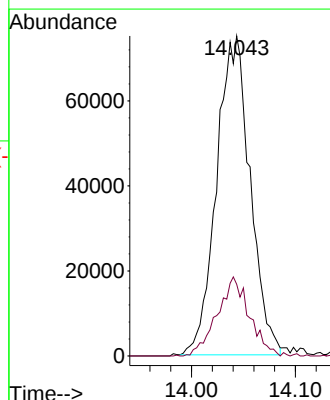
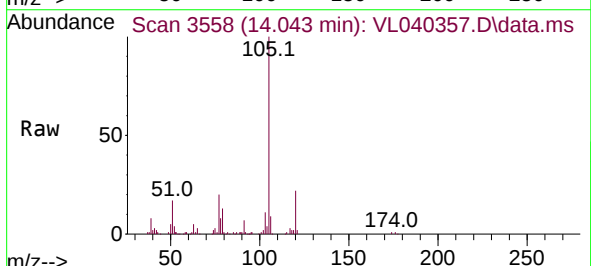
RT: 14.043 min Scan# 3558

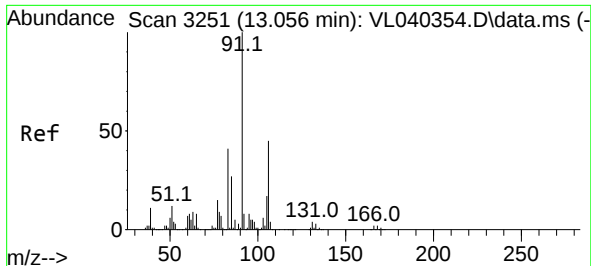
Delta R.T. 0.003 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Tgt Ion:105	Resp:	168371
Ion Ratio	Lower	Upper
105	100	
120	23.8	19.9





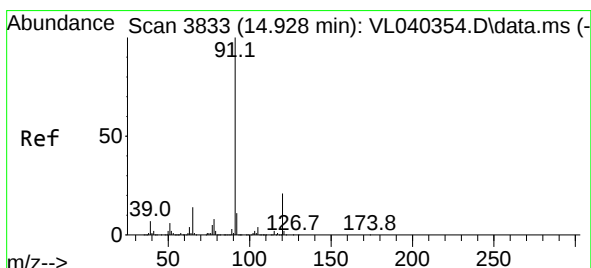
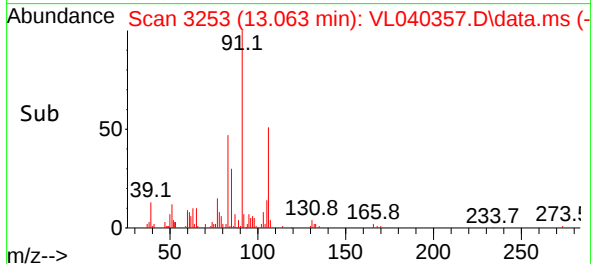
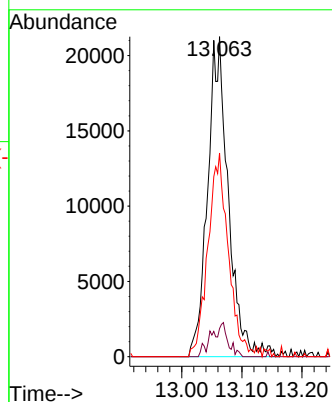
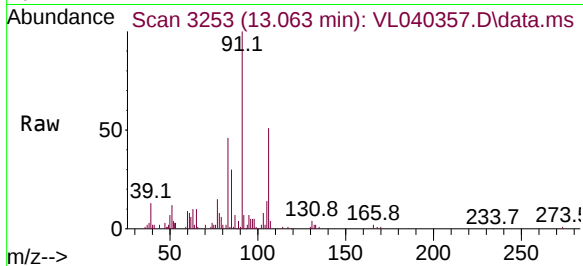
#63
1,1,2,2-Tetrachloroethane
Concen: 0.616 ppbv m
RT: 13.063 min Scan# 3253
Delta R.T. 0.007 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 50768
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.9
85 0.0 32.7 98.1

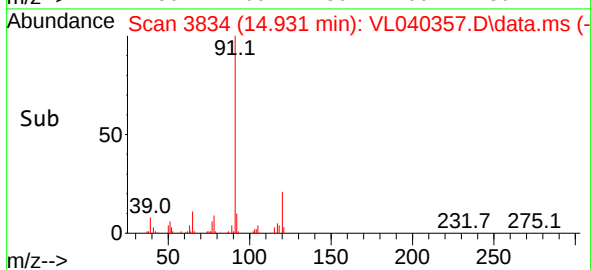
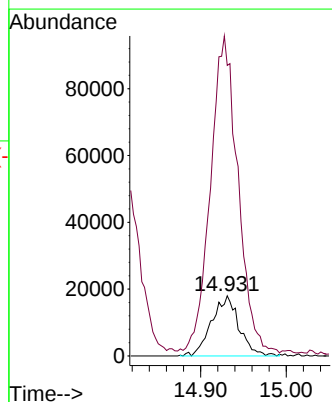
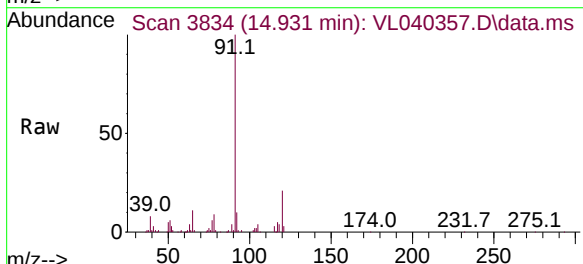
Manual Integrations
APPROVED

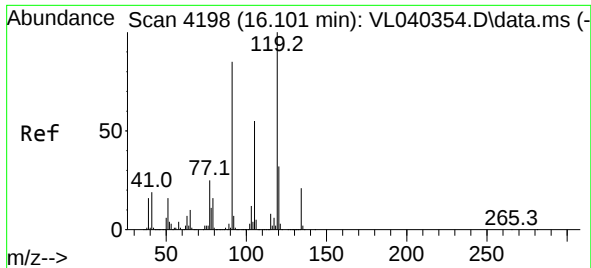
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#64
n-propylbenzene
Concen: 0.488 ppbv m
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion:120 Resp: 39890
Ion Ratio Lower Upper
120 100
91 0.0 399.0 598.6





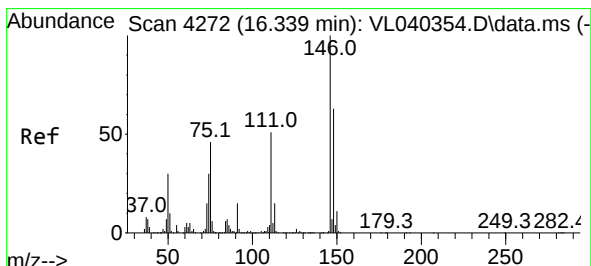
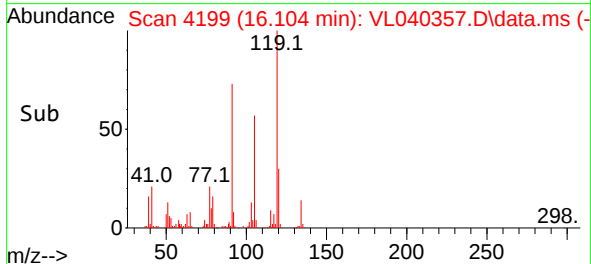
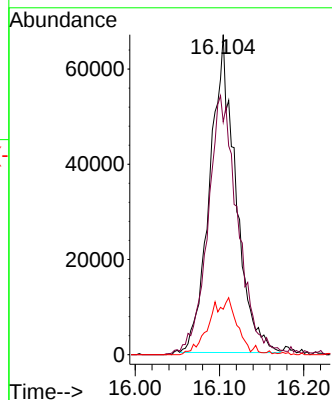
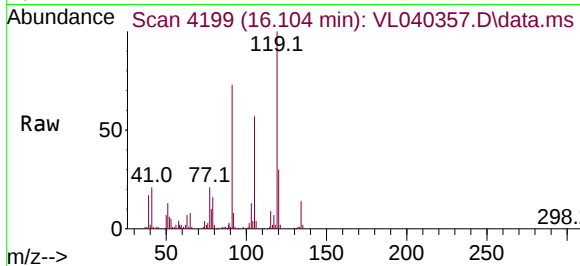
#65
tert-Butylbenzene
Concen: 0.497 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 143014
Ion Ratio Lower Upper
119 100
91 95.7 69.4 104.2
134 19.9 15.8 23.6

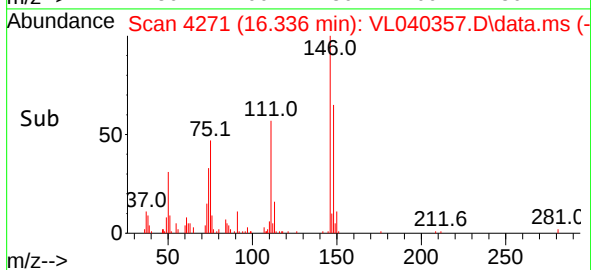
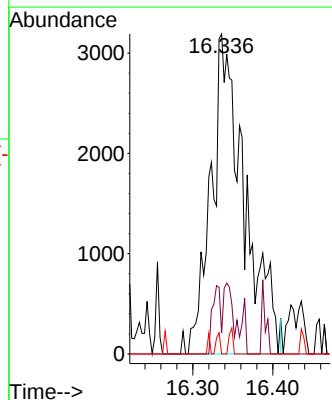
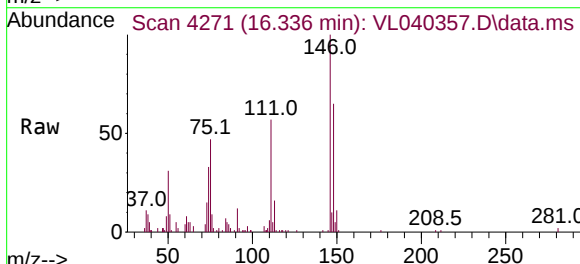
Manual Integrations
APPROVED

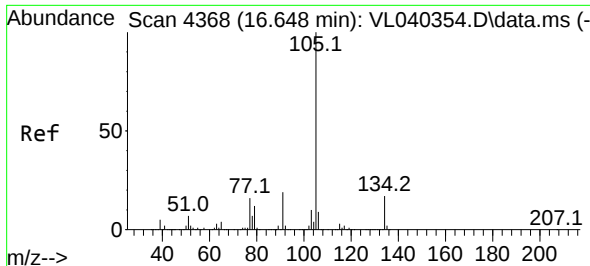
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#66
Benzyl Chloride
Concen: 0.495 ppbv m
RT: 16.336 min Scan# 4271
Delta R.T. -0.007 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion: 91 Resp: 9256
Ion Ratio Lower Upper
91 100
126 13.6 12.1 18.1
128 0.9 3.8 5.6#





#67

sec-Butylbenzene

Concen: 0.510 ppbv

RT: 16.651 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 209854

Ion Ratio Lower Upper

105 100

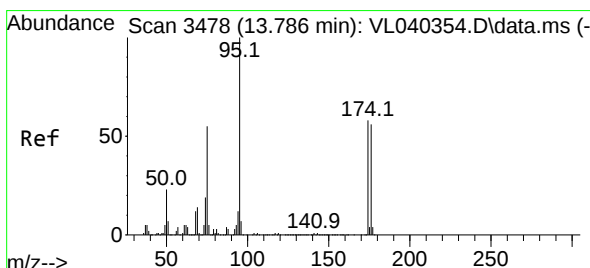
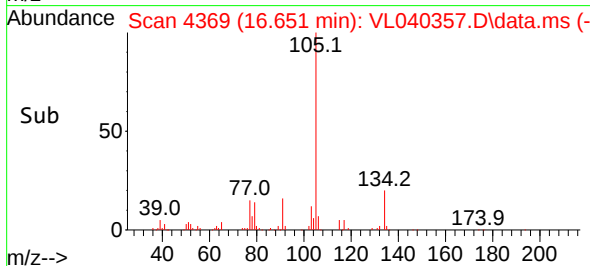
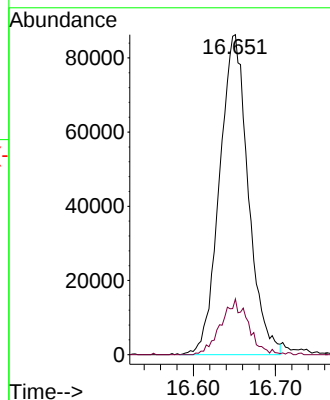
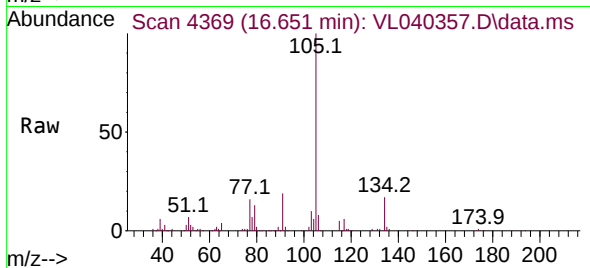
134 16.7 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.135 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.000 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

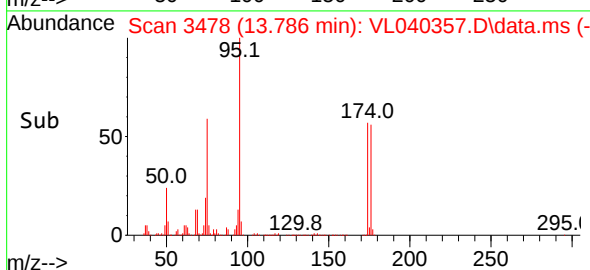
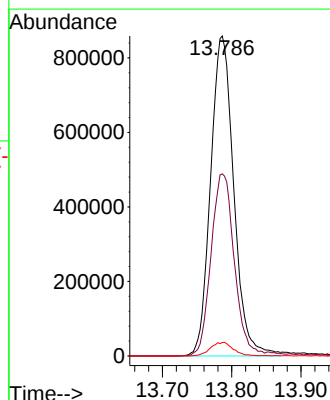
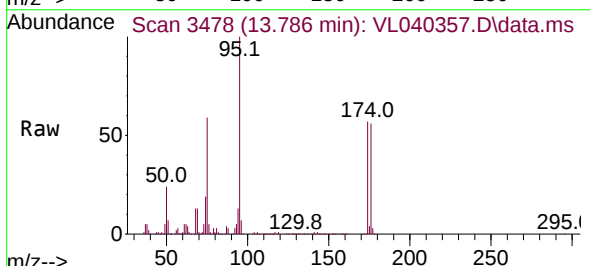
Tgt Ion: 95 Resp: 1994715

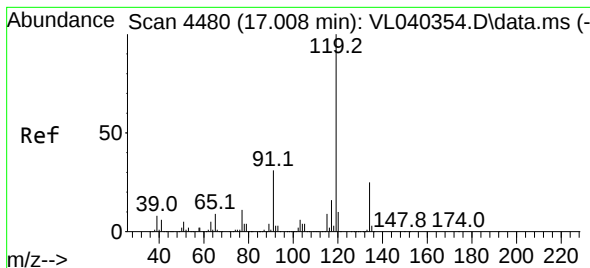
Ion Ratio Lower Upper

95 100

174 58.4 47.0 70.6

175 4.3 3.4 5.2





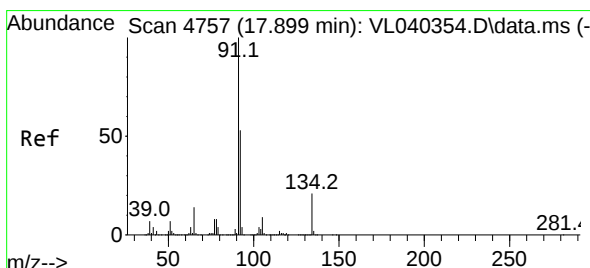
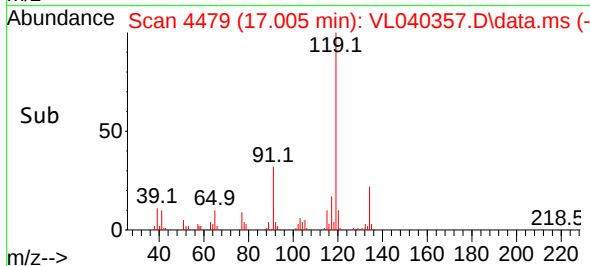
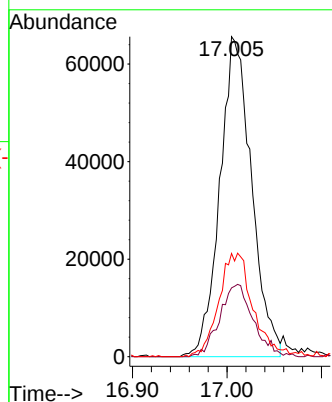
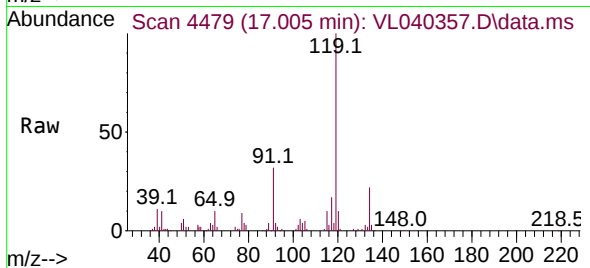
#69
p-Isopropyltoluene
Concen: 0.476 ppbv
RT: 17.005 min Scan# 4480
Delta R.T. -0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 152464
Ion Ratio Lower Upper
119 100
134 24.0 20.2 30.2
91 35.1 25.1 37.7

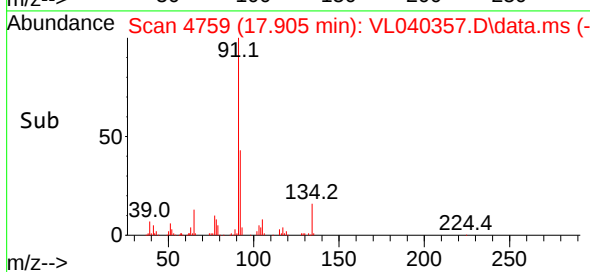
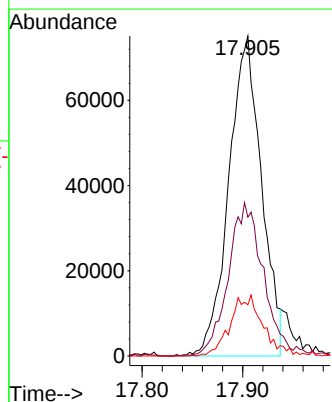
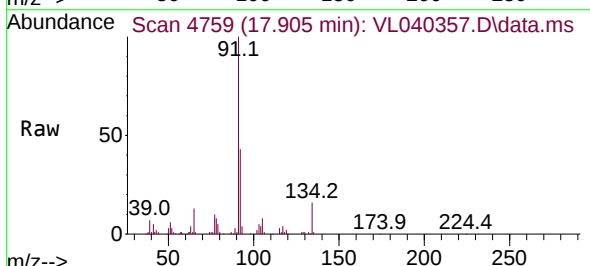
Manual Integrations
APPROVED

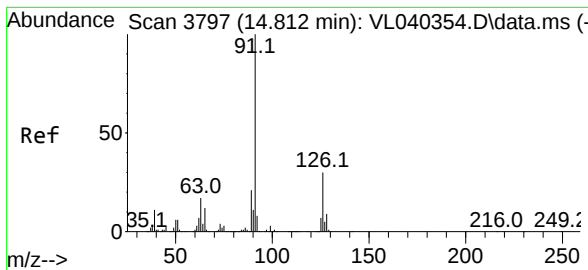
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#70
n-Butylbenzene
Concen: 0.480 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.006 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

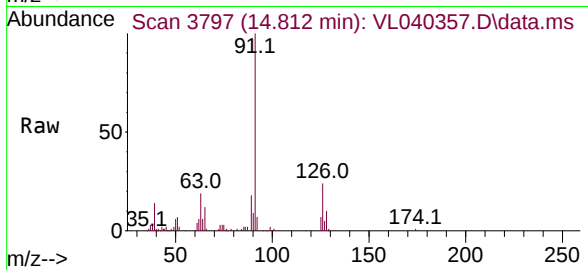
Tgt Ion: 91 Resp: 169401
Ion Ratio Lower Upper
91 100
92 52.6 42.9 64.3
134 19.3 16.8 25.2





#71
2-Chlorotoluene
Concen: 0.488 ppbv
RT: 14.812 min Scan# 3797
Delta R.T. -0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

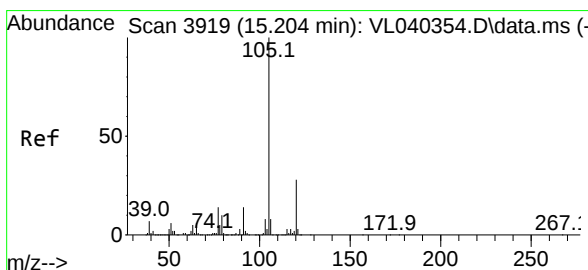
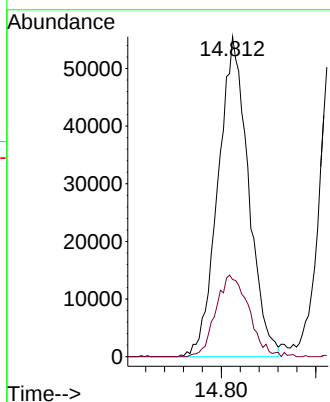
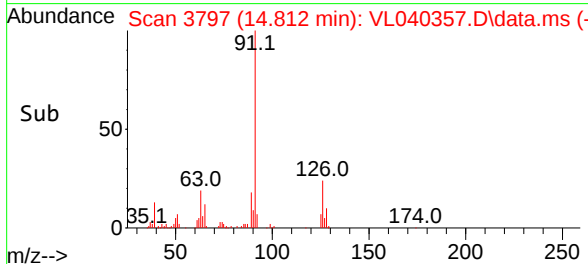
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



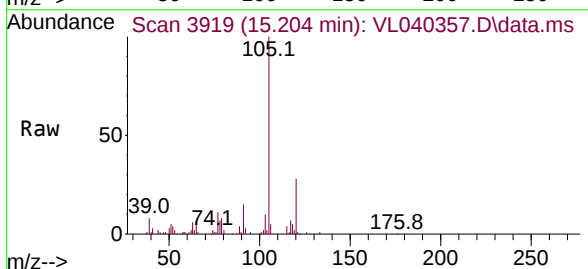
Tgt Ion: 91 Resp: 123968
Ion Ratio Lower Upper
91 100
126 27.8 11.8 47.4

Manual Integrations
APPROVED

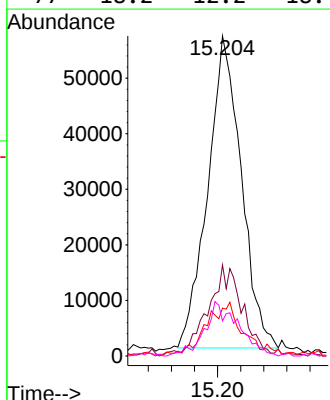
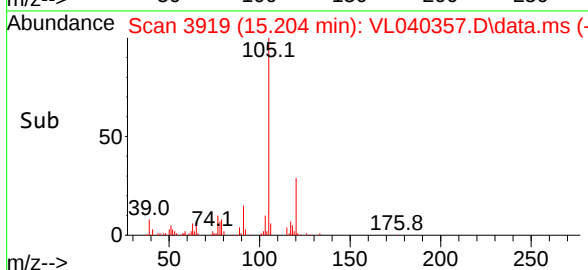
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

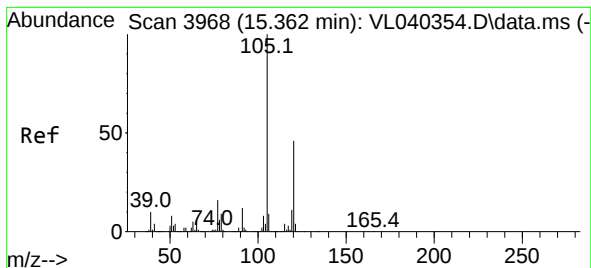


#72
4-Ethyltoluene
Concen: 0.441 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01



Tgt Ion:105 Resp: 112923
Ion Ratio Lower Upper
105 100
120 30.7 23.7 35.5
91 20.4 11.6 17.4#
77 18.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.485 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. -0.000 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 112490

Ion Ratio Lower Upper

105 100

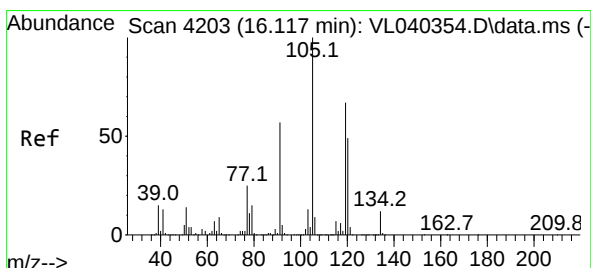
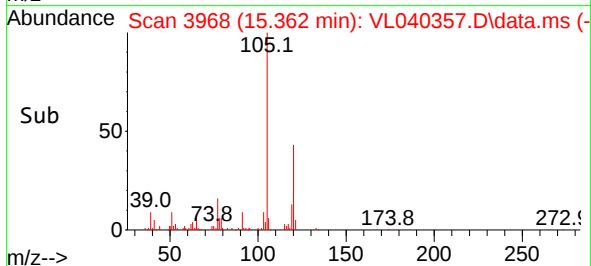
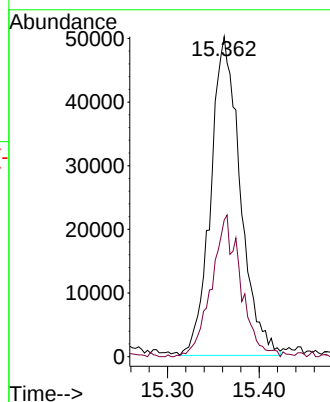
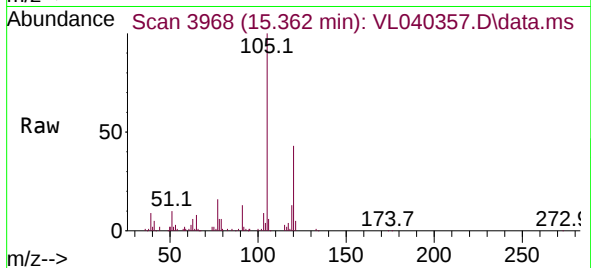
120 42.8 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.507 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. -0.000 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Tgt Ion:105 Resp: 134261

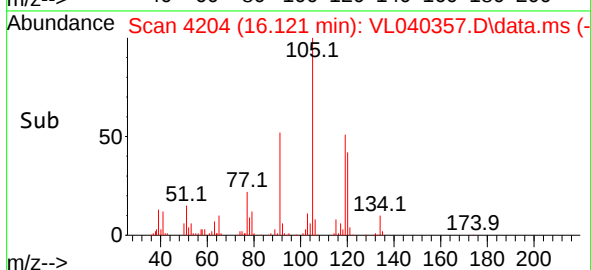
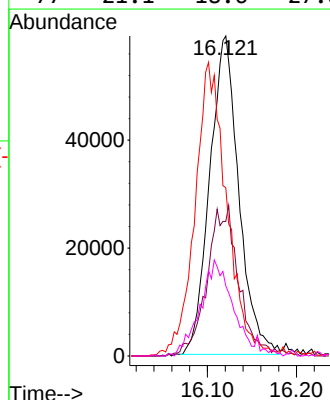
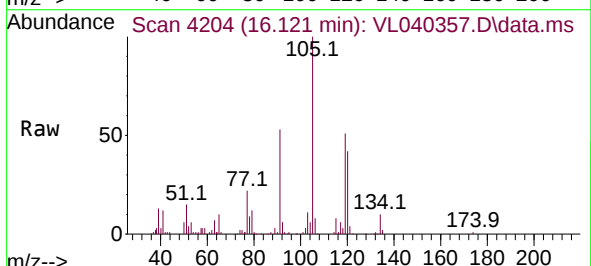
Ion Ratio Lower Upper

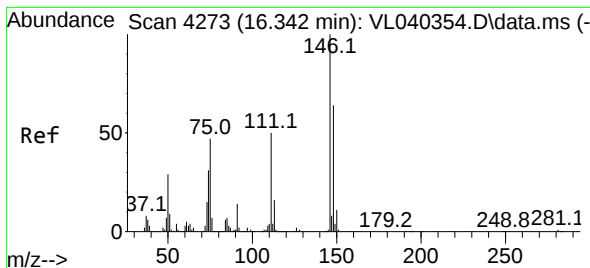
105 100

120 40.9 36.6 54.8

91 51.6 39.9 59.9

77 21.1 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 0.543 ppbv m

RT: 16.346 min Scan# 4273

Delta R.T. 0.003 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

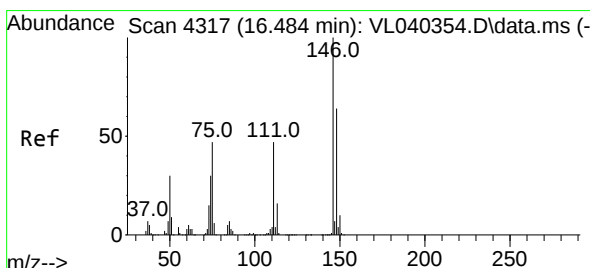
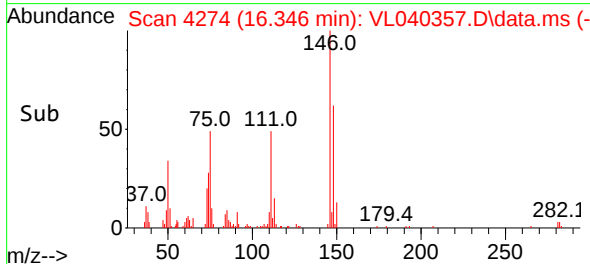
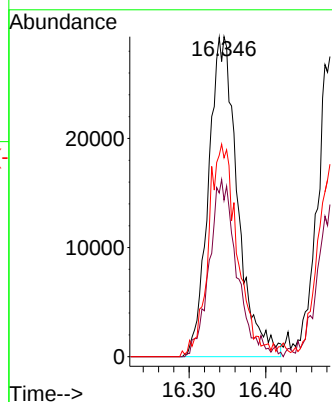
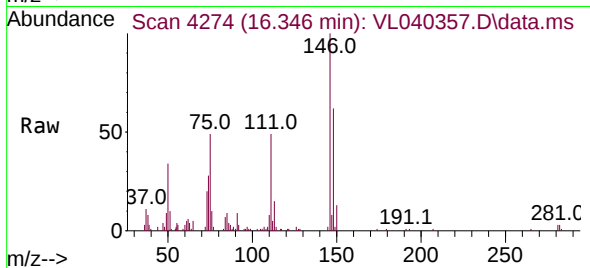
VSTDIC0.5

Tgt Ion:	146	Resp:	77770
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.3	73.0
148	0.0	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: 0.577 ppbv m

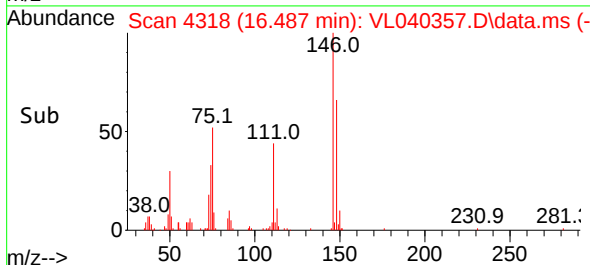
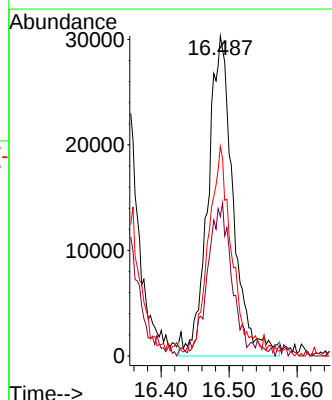
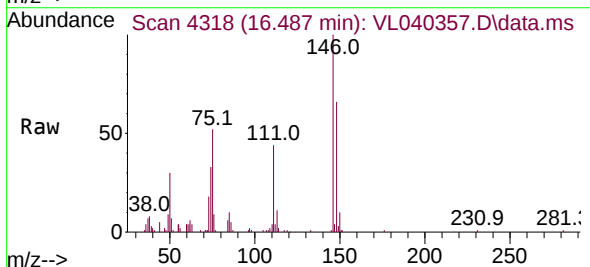
RT: 16.487 min Scan# 4318

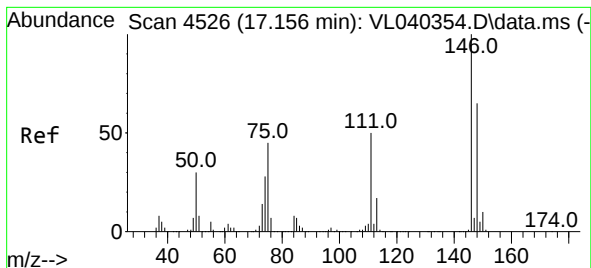
Delta R.T. 0.003 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Tgt Ion:	146	Resp:	78851
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.8	71.2
148	0.0	32.5	97.5





#77

1,2-Dichlorobenzene

Concen: 0.577 ppbv m

RT: 17.159 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

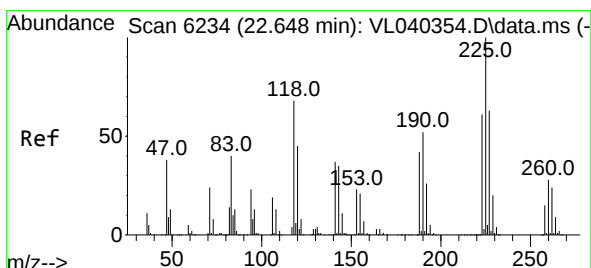
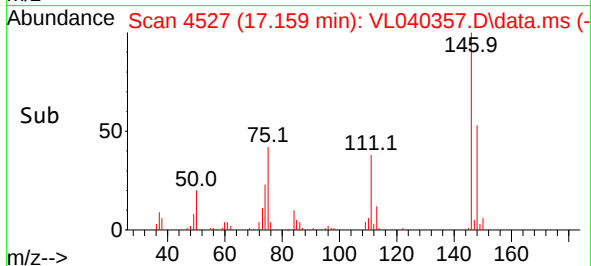
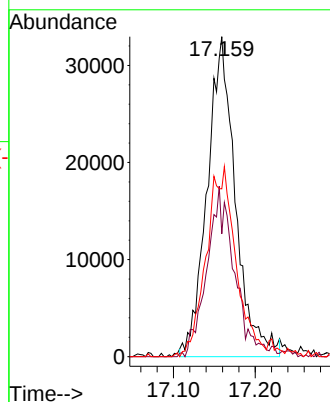
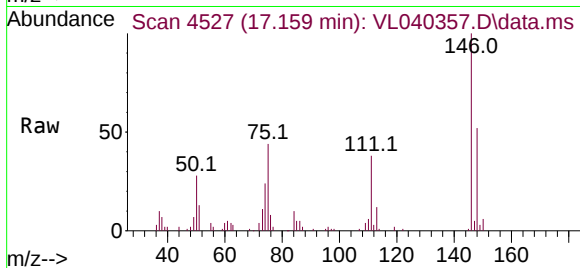
VSTDIC0.5

Tgt Ion:	146	Resp:	79430
Ion Ratio	Lower	Upper	
146	100		
111	52.8	25.2	75.6
148	64.5	32.1	96.3

Manual Integrations

APPROVED

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.686 ppbv m

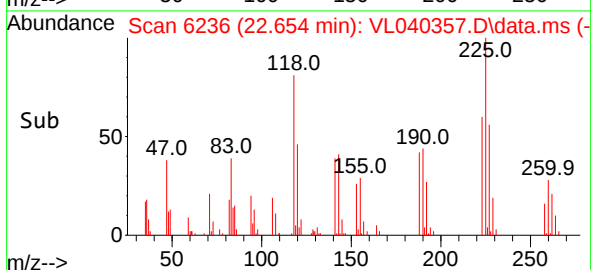
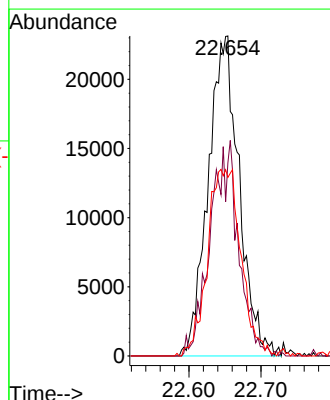
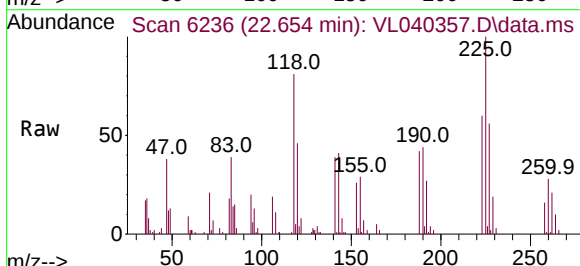
RT: 22.654 min Scan# 6236

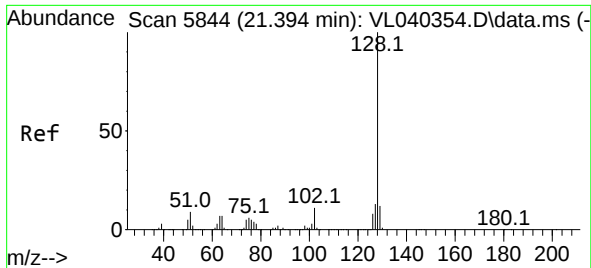
Delta R.T. 0.006 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Tgt Ion:	225	Resp:	69311
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.0	76.6#
227	63.3	51.4	77.2





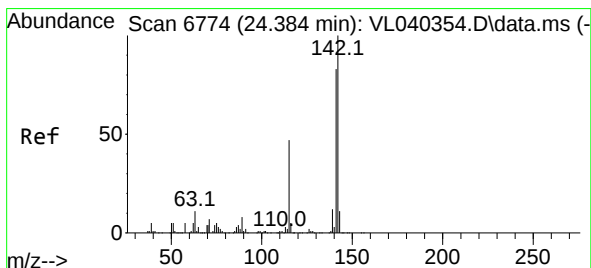
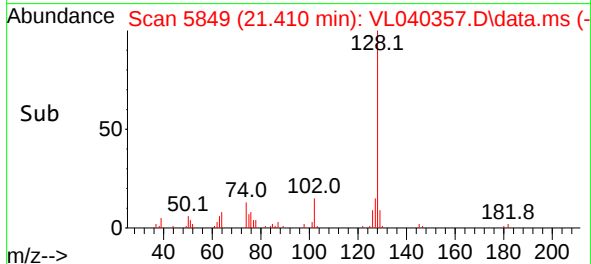
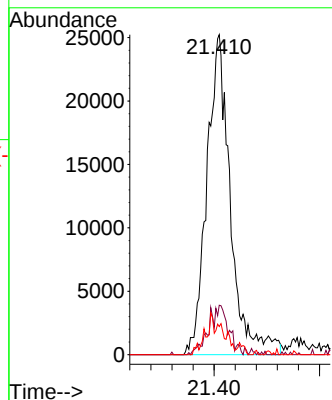
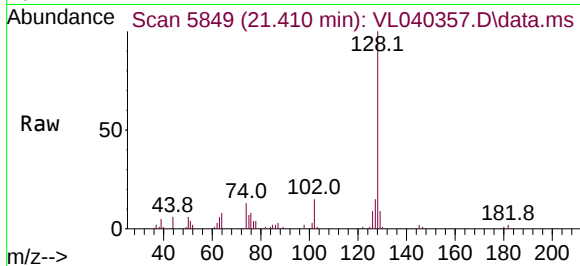
#79
Naphthalene
Concen: 0.497 ppbv m
RT: 21.410 min Scan# 5849
Delta R.T. 0.013 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:128 Resp: 77889
Ion Ratio Lower Upper
128 100
127 15.4 9.6 14.4
129 8.8 8.6 13.0

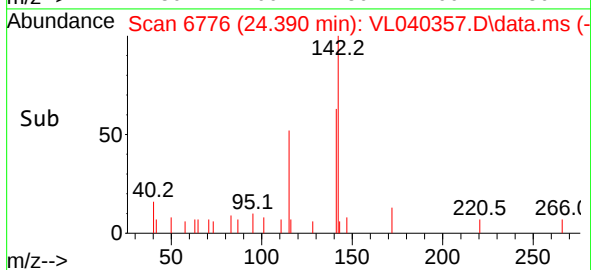
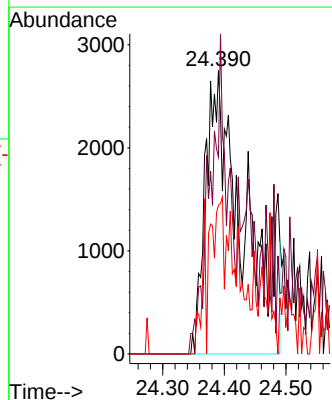
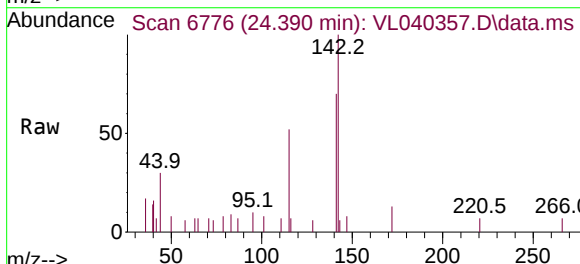
Manual Integrations
APPROVED

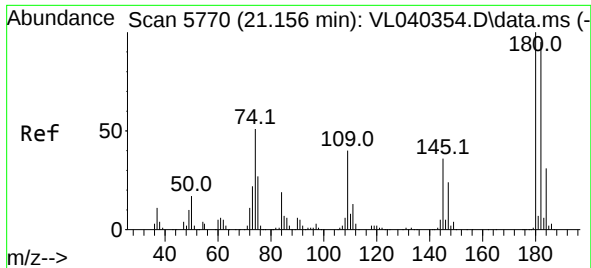
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#80
Naphthalene,2-methyl-
Concen: 0.299 ppbv m
RT: 24.390 min Scan# 6776
Delta R.T. 0.003 min
Lab File: VL040357.D
Acq: 13 Apr 2023 12:01

Tgt Ion:142 Resp: 11872
Ion Ratio Lower Upper
142 100
141 51.0 65.5 98.3
115 39.5 33.5 50.3





#81

1,2,4-Trichlorobenzene

Concen: 0.548 ppbv m

RT: 21.156 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL040357.D

Acq: 13 Apr 2023 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 52820

Ion Ratio Lower Upper

180 100

182 90.7 76.1 114.1

184 30.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023

