

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040841.D
 Acq On : 13 Nov 2023 14:36
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 13 15:32:34 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1180537	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.652	114	2954720	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2843385	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2262487 10.690 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	3072945	14.593	ppbv	99
3) Chlorodifluoromethane	2.694	51	2426885	13.950	ppbv	100
4) Chloromethane	2.829	50	902704	13.275	ppbv	99
5) Vinyl Chloride	2.935	62	928911	13.212	ppbv	99
6) Bromomethane	3.134	94	347725	12.297	ppbv	94
7) Chloroethane	3.208	64	319678	14.042	ppbv	94
8) Dichlorotetrafluoroethane	2.874	85	2249110	14.226	ppbv	99
9) Propene	2.713	41	846320	13.335	ppbv	99
10) Heptane	7.571	43	2108687	13.166	ppbv	100
11) Trichlorofluoromethane	3.571	101	2430963	14.939	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1717577	14.828	ppbv	100
13) Ethanol	3.256	45	159173	11.365	ppbv	92
14) Bromoethene	3.378	108	714518	14.575	ppbv	98
15) Acetone	3.478	43	1637616	13.495	ppbv	99
16) 1,3-Butadiene	2.999	39	901543	14.273	ppbv	99
17) tert-Butyl alcohol	3.887	59	1482955	12.653	ppbv	98
18) 1,1-Dichloroethene	3.887	96	772608	14.938	ppbv	97
19) Isopropyl Alcohol	3.587	45	1076031	14.122	ppbv #	98
20) Methylene Chloride	3.941	84	632785	12.434	ppbv	96
21) Allyl Chloride	4.002	41	1121277	14.181	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	1029779	18.391	ppbv	94
23) Vinyl Acetate	4.629	43	2455136	15.490	ppbv	100
24) 1,1-Dichloroethane	4.568	63	2063582	16.825	ppbv	99
25) Ethyl Acetate	5.205	43	3541894	13.365	ppbv	99
26) Hexane	5.214	57	1537436	12.738	ppbv	99
27) Carbon Disulfide	4.131	76	2054080	15.171	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	1461197	15.073	ppbv	100
29) Chloroform	5.276	83	2599394	14.508	ppbv	99
30) Cyclohexane	6.597	84	1326451	12.949	ppbv	100
31) cis-1,2-Dichloroethene	5.079	61	1648979	14.586	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	2609323	13.835	ppbv	100
34) 2-Butanone	4.787	43	2278603	16.157	ppbv	100
35) Carbon Tetrachloride	6.491	117	2793726	16.574	ppbv	99
36) Benzene	6.366	78	3283937	14.456	ppbv	99
37) 1,2-Dichloroethane	5.806	62	2038957	17.017	ppbv	100
38) Trichloroethene	7.285	130	1289632	12.867	ppbv	98
39) 1,2-Dichloropropane	7.066	63	1303562	14.680	ppbv	98
40) 1,4-Dioxane	7.275	88	528453	15.881	ppbv #	55
41) Tetrahydrofuran	5.552	42	1387318	15.083	ppbv	99
42) Bromodichloromethane	7.243	83	2925406	16.390	ppbv	99
43) Methyl Methacrylate	7.465	69	1379592	15.188	ppbv	98
44) 2,2,4-Trimethylpentane	7.320	57	5386934	14.015	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	934913	13.721	ppbv	99

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Manual Integrations
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

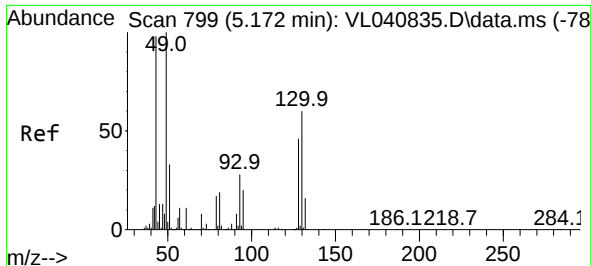
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

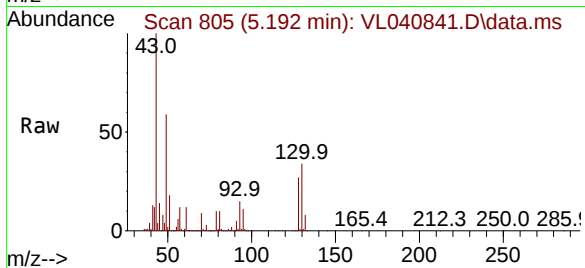
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1130024	13.331	ppbv	98
47) 1,1,2-Trichloroethane	8.886	97	1391828	14.878	ppbv	98
48) Dibromochloromethane	9.700	129	2477607	15.729	ppbv	99
49) Bromoform	12.394	173	1956604	15.594	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	3467974	15.132	ppbv	100
51) 2-Hexanone	9.539	43	2575144	14.877	ppbv #	100
52) Tetrachloroethene	10.603	164	1136448	12.457	ppbv	99
53) Toluene	9.211	91	3765460	13.971	ppbv	100
54) 1,2-Dibromoethane	9.996	107	1929240	14.835	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.494	131	1744212	14.898	ppbv	99
57) Chlorobenzene	11.513	112	2872882	14.032	ppbv	99
58) Ethyl Benzene	12.076	91	5092254	14.108	ppbv	100
59) m/p-Xylene	12.356	91	8511155m	28.537	ppbv	
60) o-Xylene	13.047	91	4034965	14.224	ppbv	99
61) Styrene	12.883	104	2190519	14.228	ppbv	99
62) Isopropylbenzene	14.015	105	5923546	13.641	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.031	83	2902261	13.643	ppbv	99
64) n-propylbenzene	14.899	120	1572831	13.641	ppbv	95
65) tert-Butylbenzene	16.073	119	5138060	13.180	ppbv	99
66) Benzyl Chloride	16.310	91	223617	6.809	ppbv #	98
67) sec-Butylbenzene	16.619	105	7157377	13.382	ppbv	99
69) p-Isopropyltoluene	16.979	119	5846564	13.140	ppbv	100
70) n-Butylbenzene	17.870	91	6120870	13.884	ppbv	100
71) 2-Chlorotoluene	14.783	91	4592325	14.028	ppbv	98
72) 4-Ethyltoluene	15.179	105	4680921	14.241	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	4028905	13.919	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	4374664	13.779	ppbv	98
75) 1,3-Dichlorobenzene	16.314	146	2530152	13.092	ppbv	99
76) 1,4-Dichlorobenzene	16.455	146	2477796	12.935	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	2416800	12.780	ppbv	100
78) Hexachloro-1,3-Butadiene	22.616	225	1367108	10.237	ppbv	99
79) Naphthalene	21.362	128	3045276	12.456	ppbv	99
80) Naphthalene,2-methyl-	24.358	142	519428	8.490	ppbv	96
81) 1,2,4-Trichlorobenzene	21.117	180	1533900	11.556	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. 0.020 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

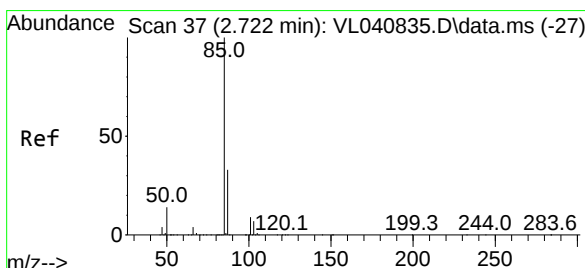
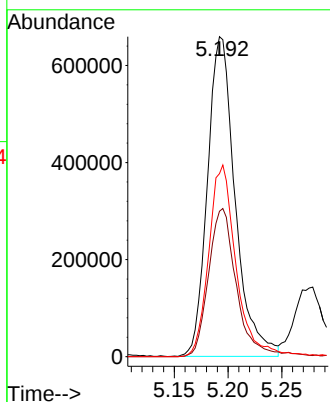
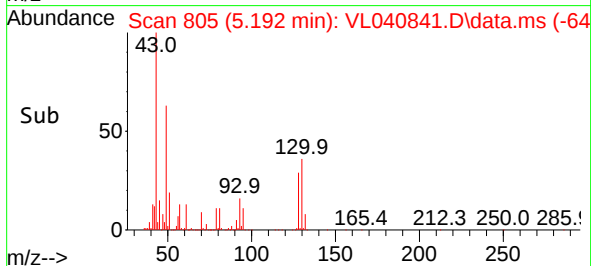
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 49 Resp: 118053
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 60.0 30.9 92.8

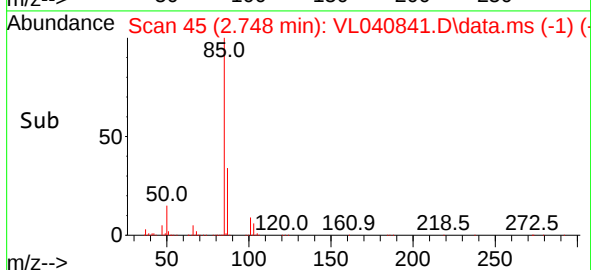
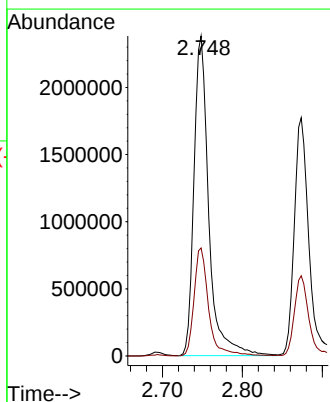
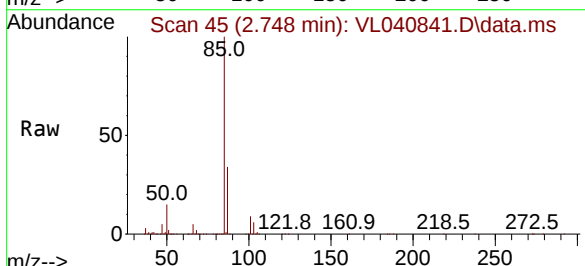
Manual Integrations
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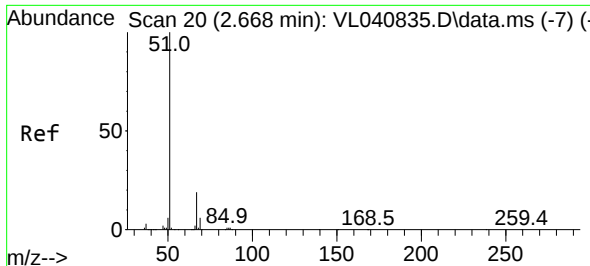
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#2
Dichlorodifluoromethane
Concen: 14.593 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.026 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

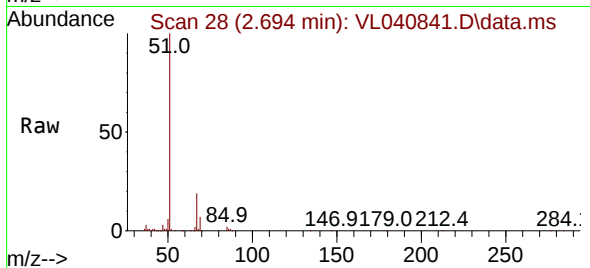
Tgt Ion: 85 Resp: 3072945
Ion Ratio Lower Upper
85 100
87 33.7 26.7 40.1





#3
Chlorodifluoromethane
Concen: 13.950 ppbv
RT: 2.694 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

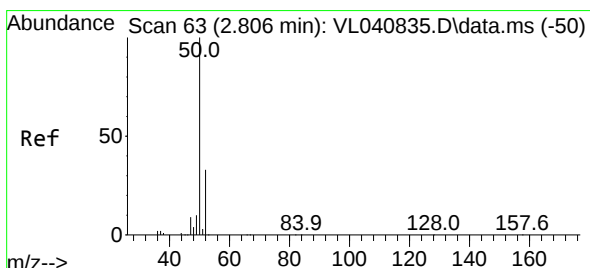
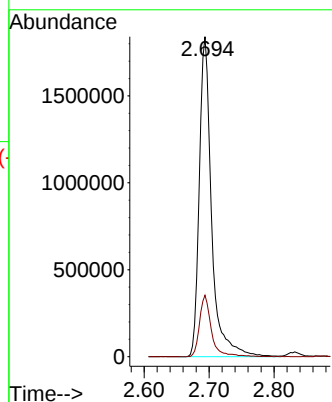
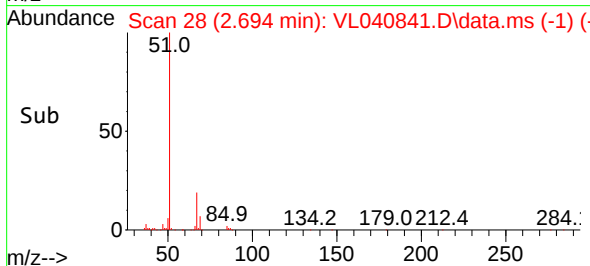
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 51 Resp: 242688
Ion Ratio Lower Upper
51 100
67 18.6 15.0 22.4

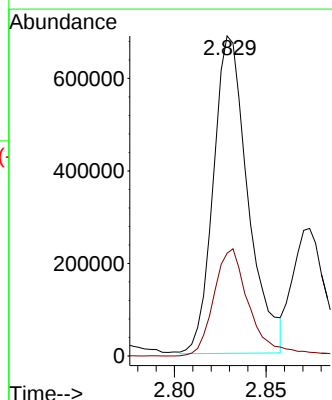
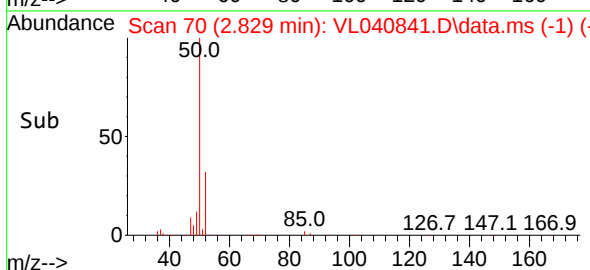
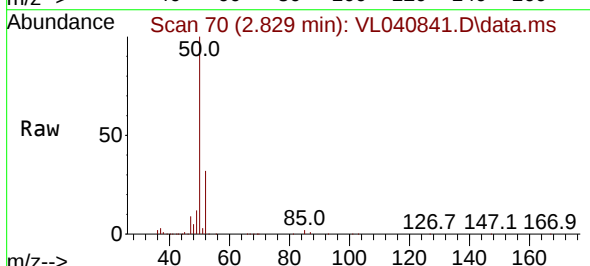
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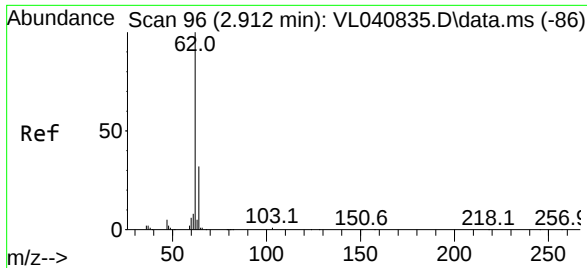
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#4
Chloromethane
Concen: 13.275 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.023 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion: 50 Resp: 902704
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5





#5
 Vinyl Chloride
 Concen: 13.212 ppbv
 RT: 2.935 min Scan# 103
 Delta R.T. 0.023 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

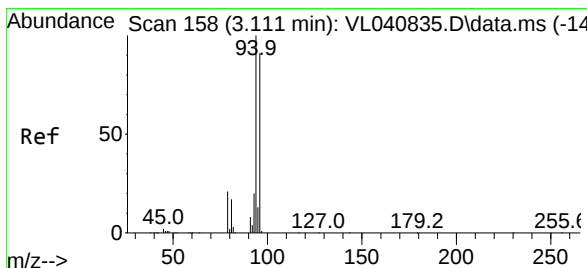
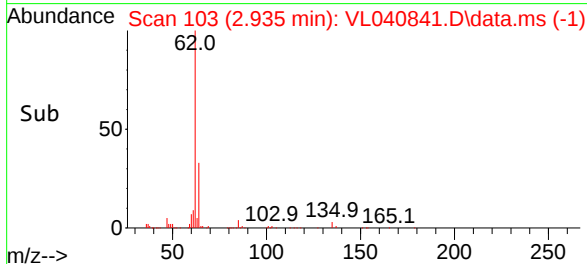
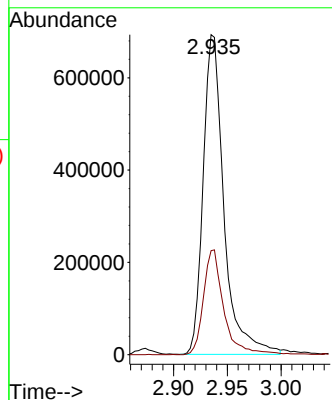
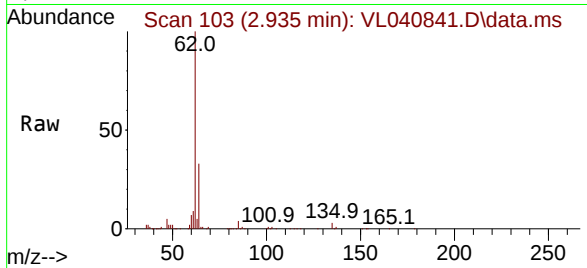
VSTDIC015

Tgt Ion: 62 Resp: 92891
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.4 38.2

Manual Integrations

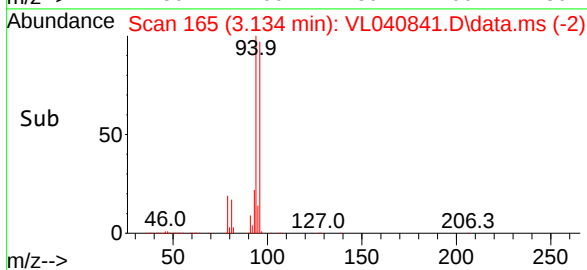
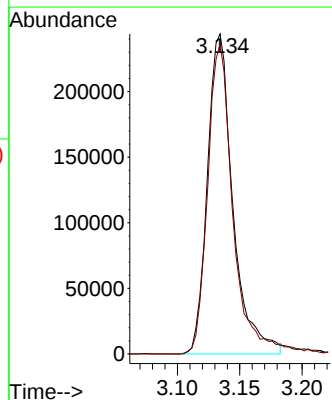
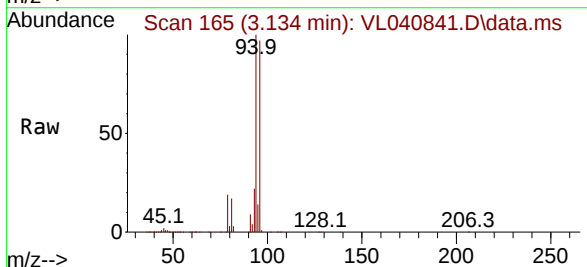
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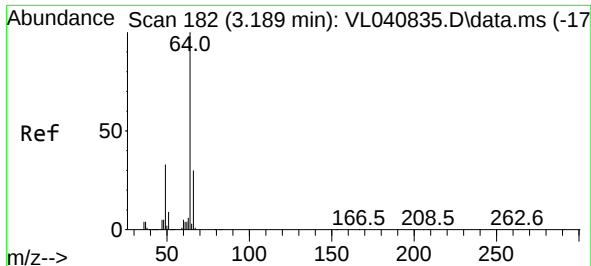
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#6
 Bromomethane
 Concen: 12.297 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.023 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

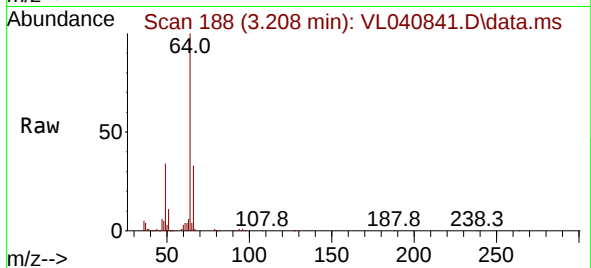
Tgt Ion: 94 Resp: 347725
 Ion Ratio Lower Upper
 94 100
 96 96.9 73.0 109.4





#7
Chloroethane
Concen: 14.042 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

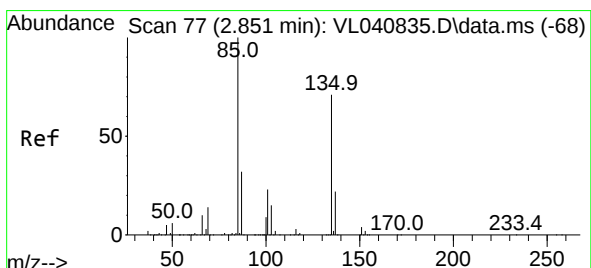
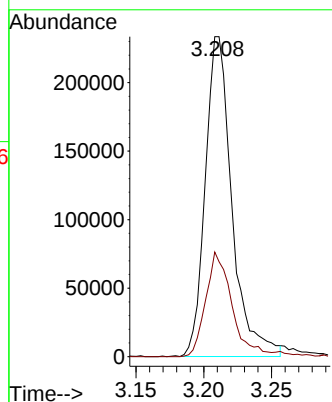
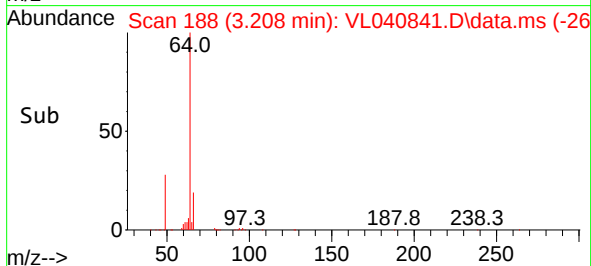
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 64 Resp: 319678
Ion Ratio Lower Upper
64 100
66 32.7 23.8 35.6

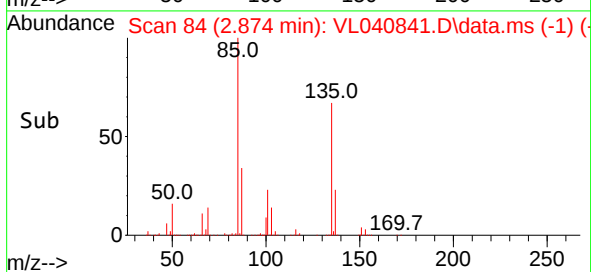
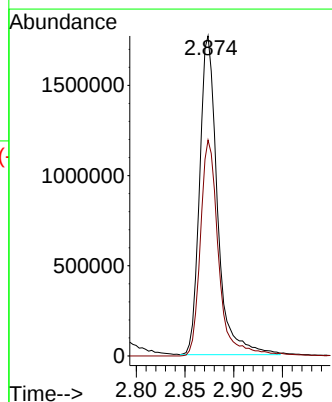
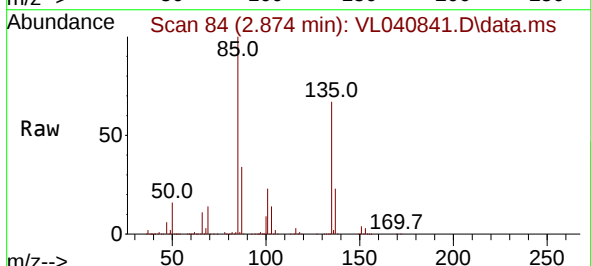
Manual Integrations
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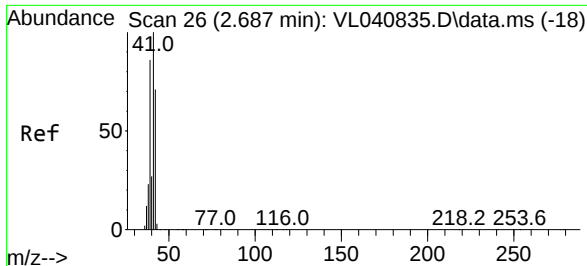
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#8
Dichlorotetrafluoroethane
Concen: 14.226 ppbv
RT: 2.874 min Scan# 84
Delta R.T. 0.023 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion: 85 Resp: 2249110
Ion Ratio Lower Upper
85 100
135 69.7 55.3 82.9





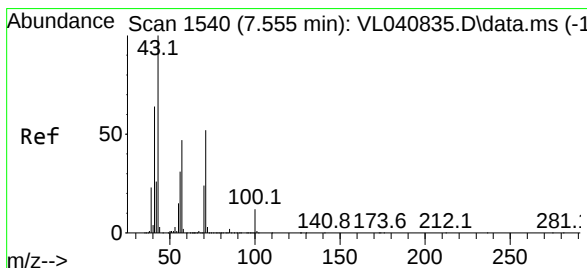
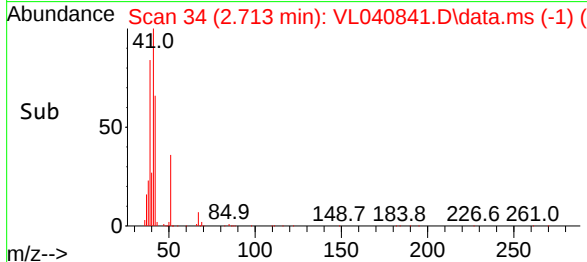
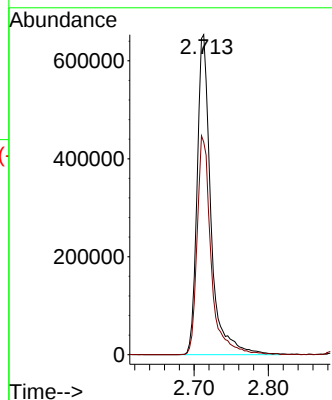
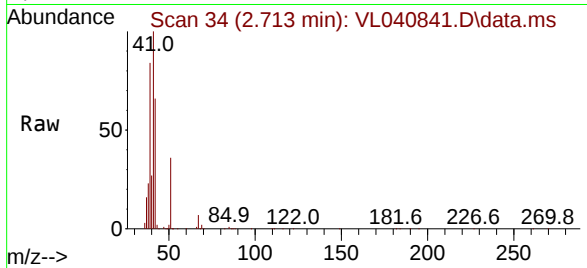
#9
 Propene
 Concen: 13.335 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.026 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 846320
 Ion Ratio Lower Upper
 41 100
 42 69.6 56.5 84.7

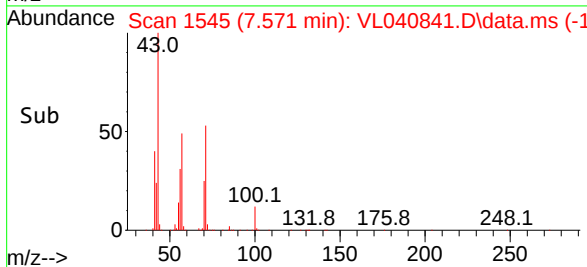
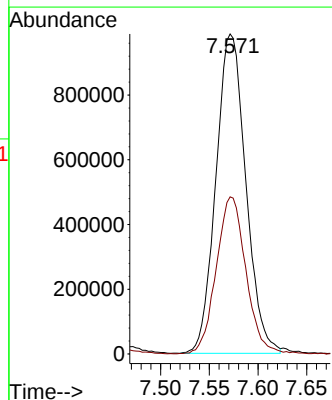
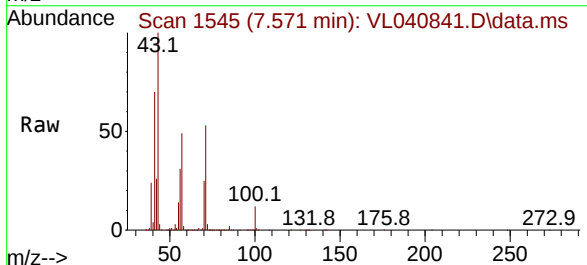
Manual Integrations
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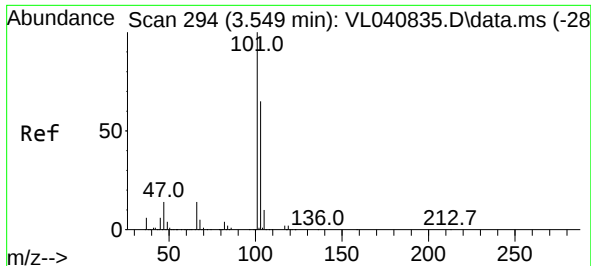
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#10
 Heptane
 Concen: 13.166 ppbv
 RT: 7.571 min Scan# 1545
 Delta R.T. 0.016 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

Tgt Ion: 43 Resp: 2108687
 Ion Ratio Lower Upper
 43 100
 57 49.0 39.4 59.0





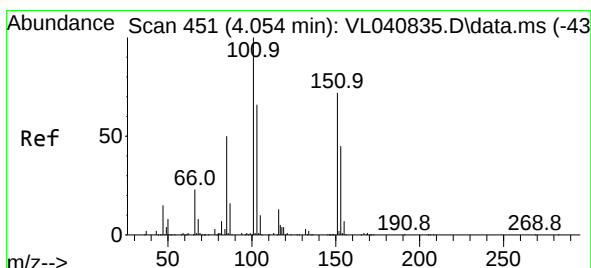
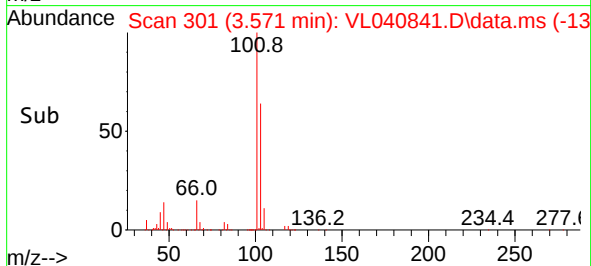
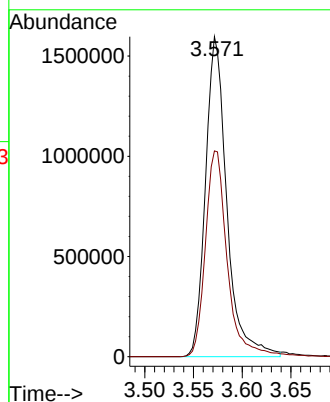
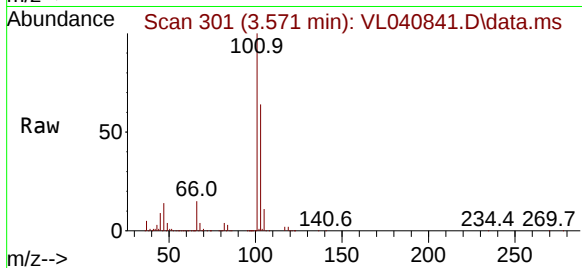
#11
 Trichlorofluoromethane
 Concen: 14.939 ppbv
 RT: 3.571 min Scan# 301
 Delta R.T. 0.023 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:101 Resp: 243096
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.8 77.8

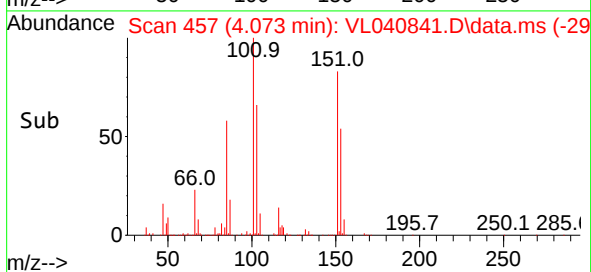
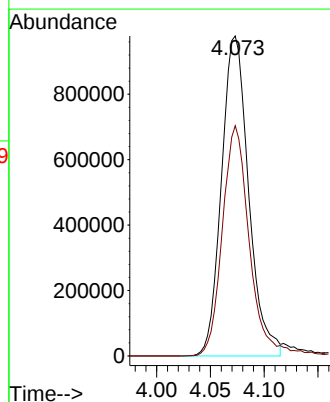
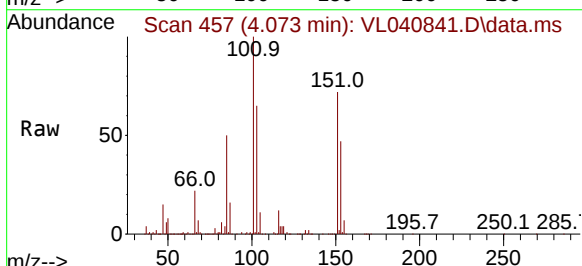
Manual Integrations
 APPROVED

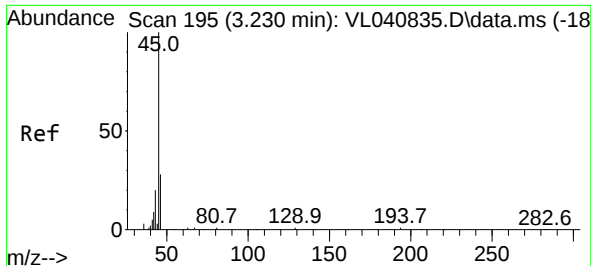
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.828 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.019 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

Tgt Ion:101 Resp: 1717577
 Ion Ratio Lower Upper
 101 100
 151 72.5 57.8 86.6





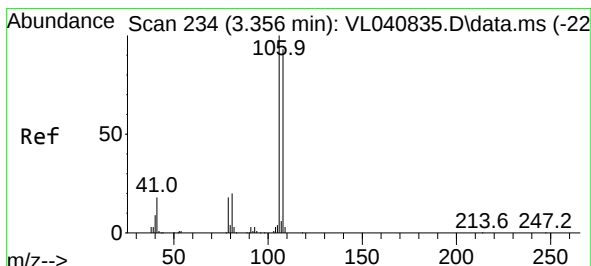
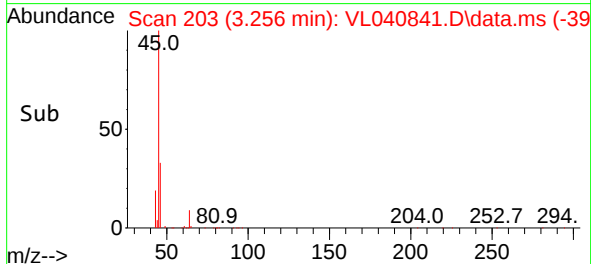
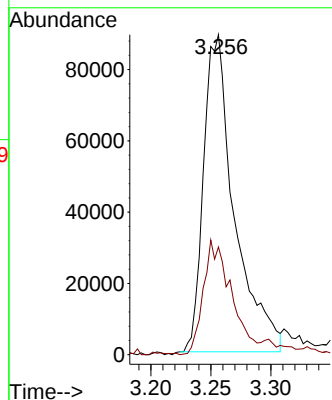
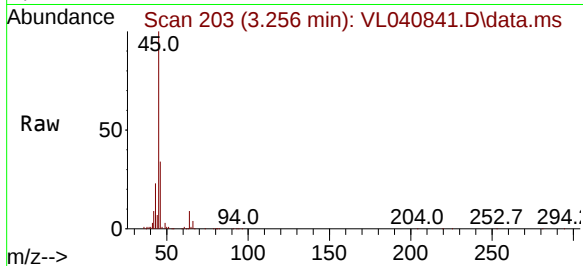
#13
Ethanol
Concen: 11.365 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.026 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 15917
Ion Ratio Lower Upper
45 100
46 37.8 13.3 53.1

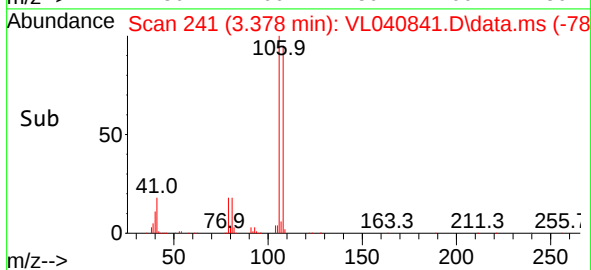
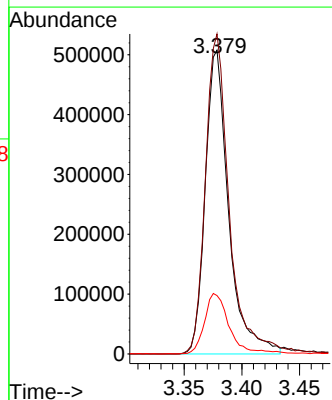
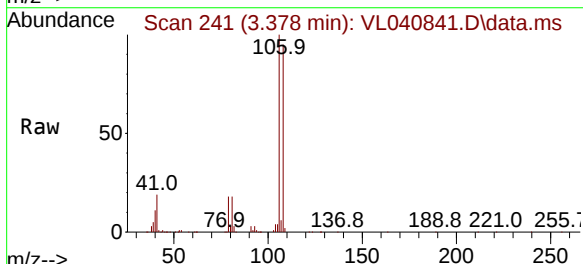
Manual Integrations
APPROVED

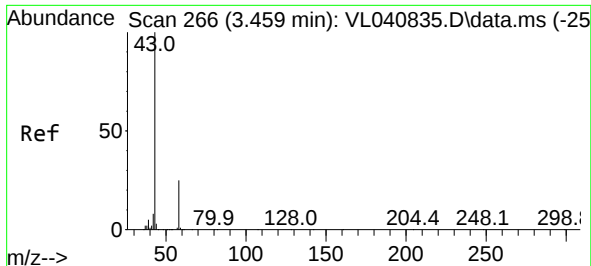
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#14
Bromoethene
Concen: 14.575 ppbv
RT: 3.378 min Scan# 241
Delta R.T. 0.023 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion:108 Resp: 714518
Ion Ratio Lower Upper
108 100
106 108.7 85.5 128.3
79 21.8 16.5 24.7





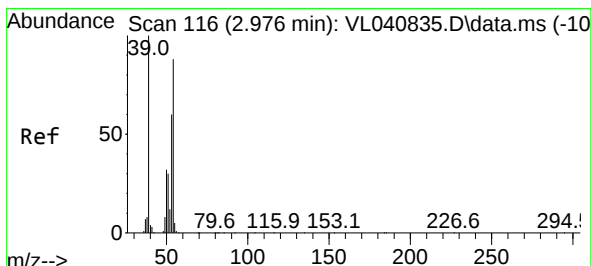
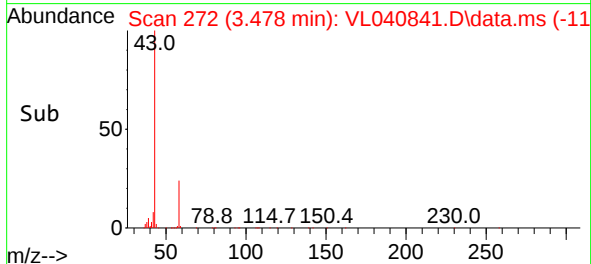
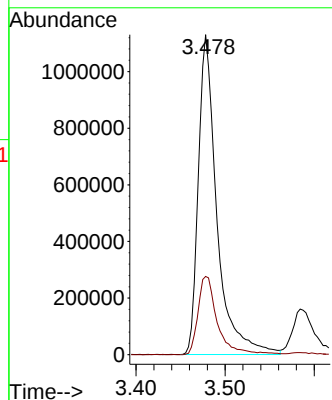
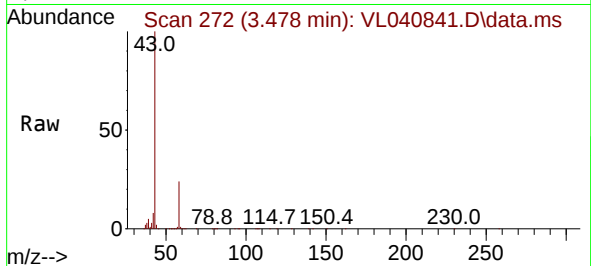
#15
Acetone
Concen: 13.495 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 1637610
Ion Ratio Lower Upper
43 100
58 25.7 20.9 31.3

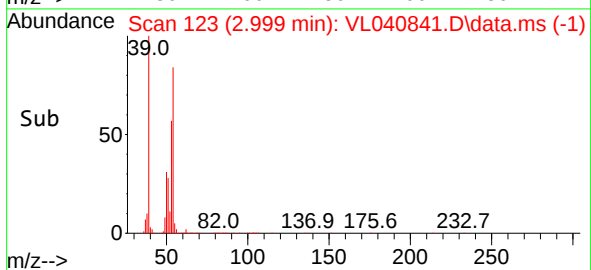
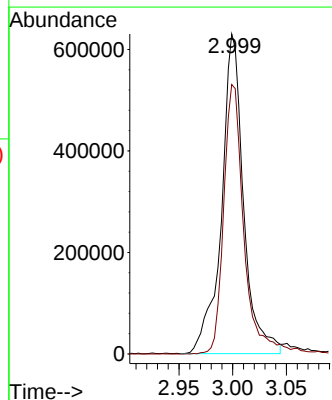
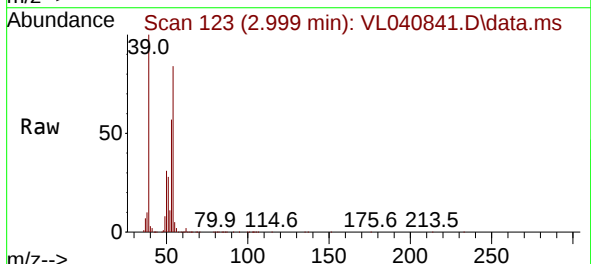
Manual Integrations
APPROVED

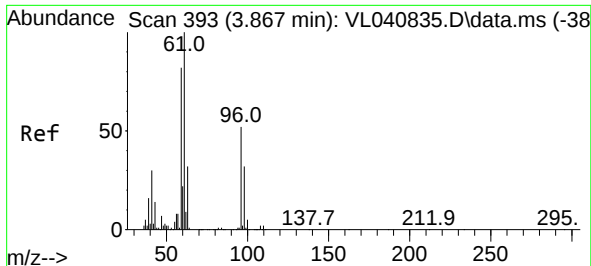
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#16
1,3-Butadiene
Concen: 14.273 ppbv
RT: 2.999 min Scan# 123
Delta R.T. 0.023 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

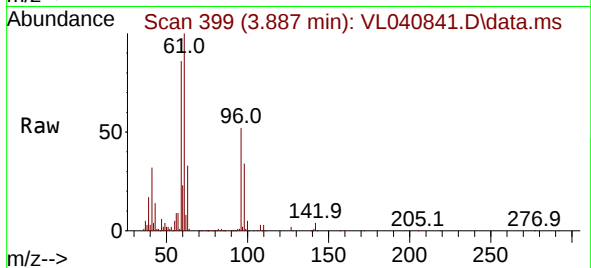
Tgt Ion: 39 Resp: 901543
Ion Ratio Lower Upper
39 100
54 78.0 61.8 92.6





#17
tert-Butyl alcohol
Concen: 12.653 ppbv
RT: 3.887 min Scan# 399
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

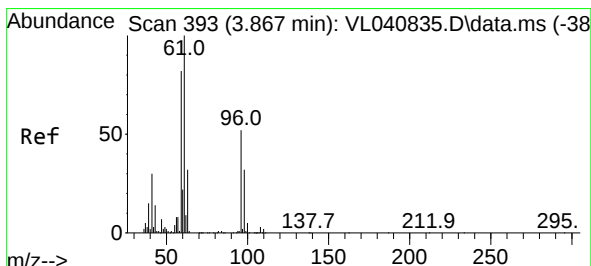
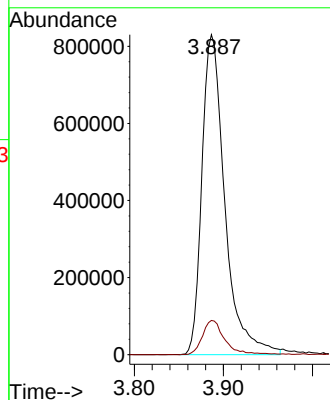
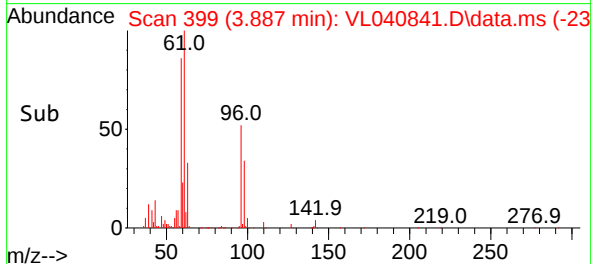
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



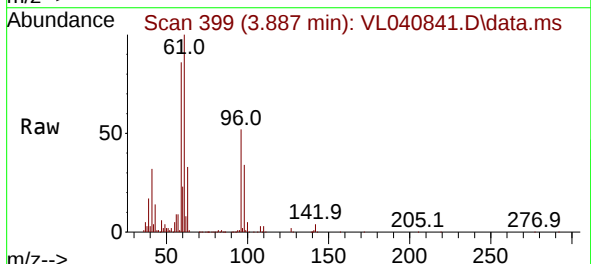
Tgt Ion: 59 Resp: 148295
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.6

Manual Integrations
APPROVED

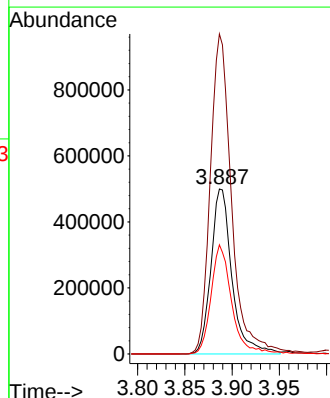
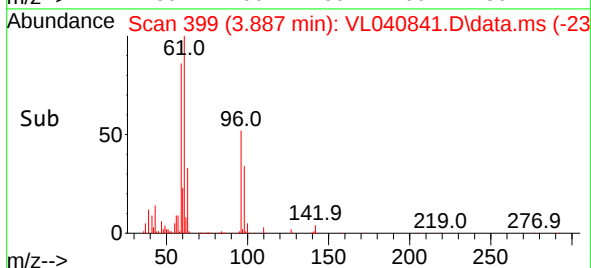
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

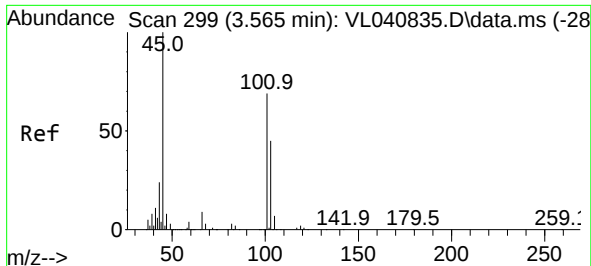


#18
1,1-Dichloroethene
Concen: 14.938 ppbv
RT: 3.887 min Scan# 399
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



Tgt Ion: 96 Resp: 772608
Ion Ratio Lower Upper
96 100
61 193.9 152.6 228.8
98 66.1 49.2 73.8





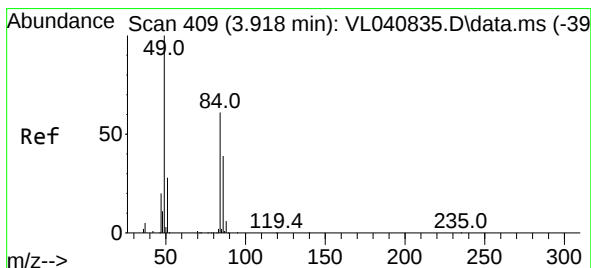
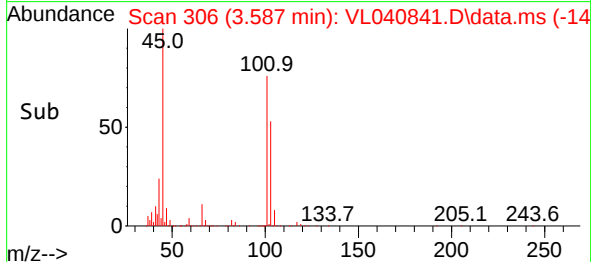
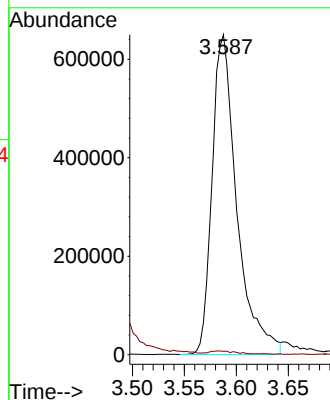
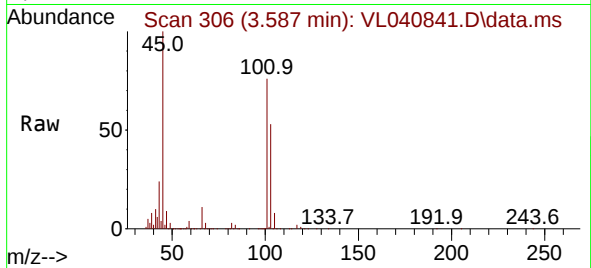
#19
Isopropyl Alcohol
Concen: 14.122 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.023 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 107603
Ion Ratio Lower Upper
45 100
58 1.3 1.6 2.4

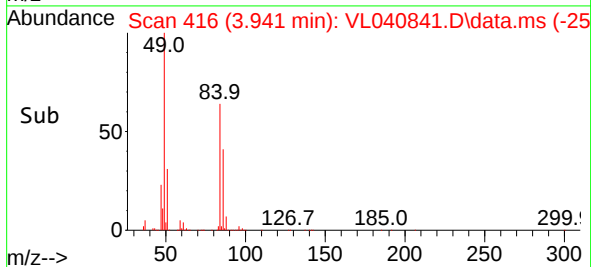
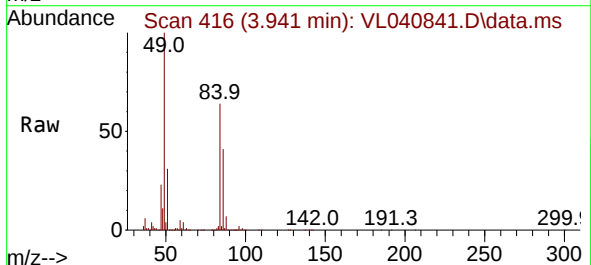
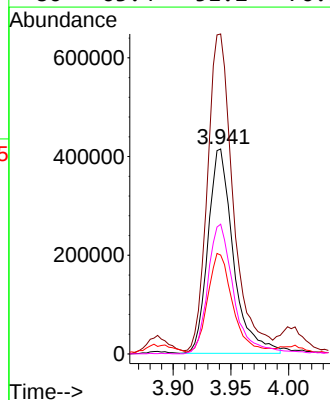
Manual Integrations
APPROVED

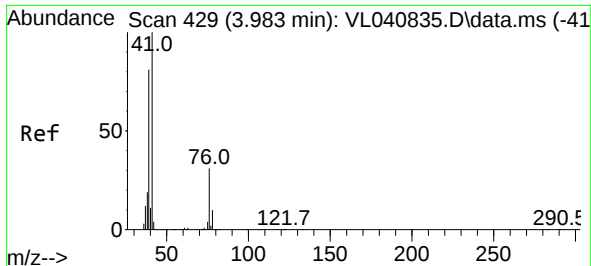
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#20
Methylene Chloride
Concen: 12.434 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.023 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

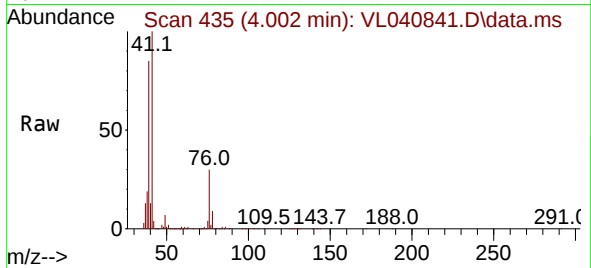
Tgt Ion: 84 Resp: 632785
Ion Ratio Lower Upper
84 100
49 154.5 131.0 196.4
51 46.3 36.9 55.3
86 63.4 51.2 76.8





#21
 Allyl Chloride
 Concen: 14.181 ppbv
 RT: 4.002 min Scan# 411
 Delta R.T. 0.019 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

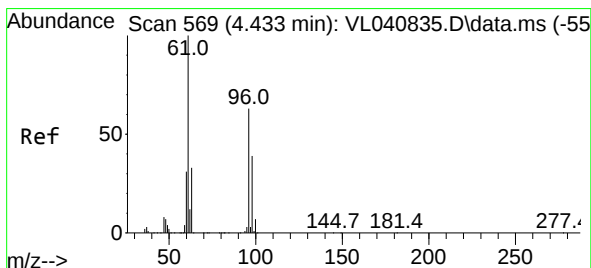
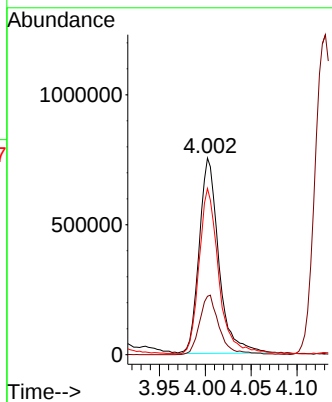
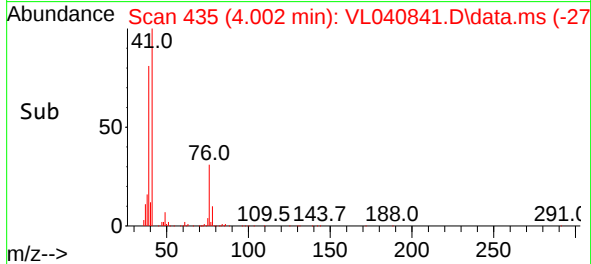
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



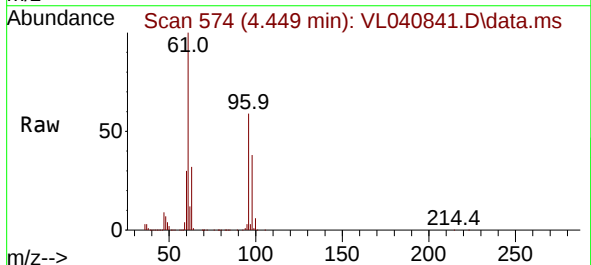
Tgt Ion: 41 Resp: 112127
 Ion Ratio Lower Upper
 41 100
 76 30.7 24.3 36.5
 39 85.2 68.6 103.0

Manual Integrations
 APPROVED

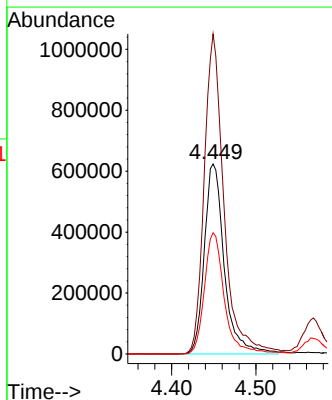
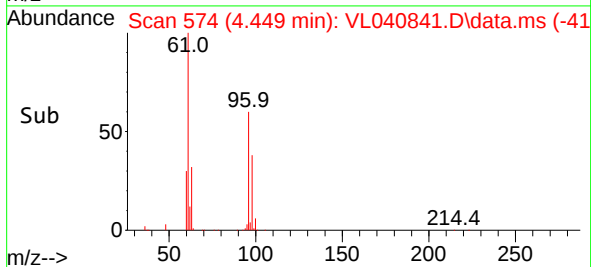
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

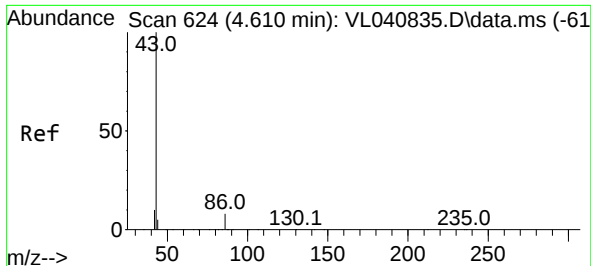


#22
 trans-1,2-Dichloroethene
 Concen: 18.391 ppbv
 RT: 4.449 min Scan# 574
 Delta R.T. 0.016 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36



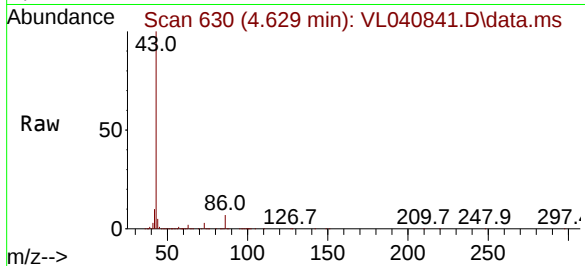
Tgt Ion: 96 Resp: 1029779
 Ion Ratio Lower Upper
 96 100
 61 168.5 126.8 190.2
 98 63.8 49.9 74.9





#23
 Vinyl Acetate
 Concen: 15.490 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. 0.019 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

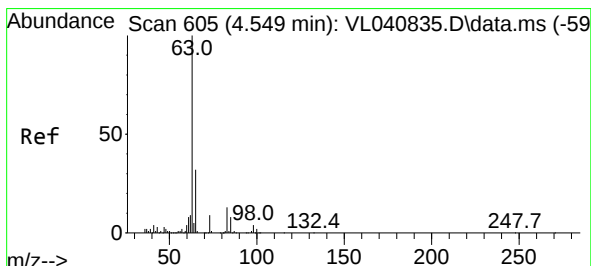
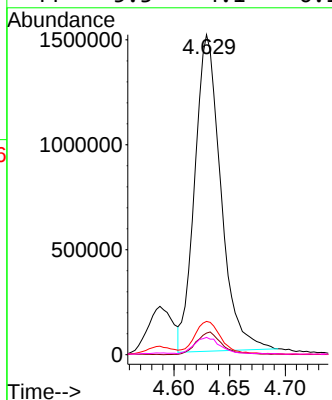
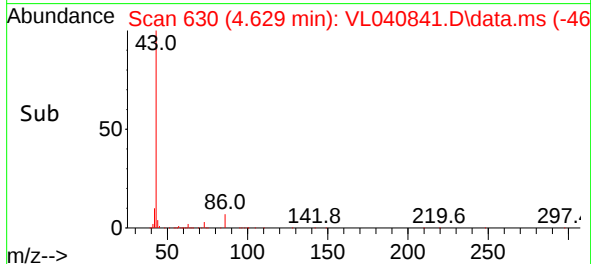
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 43 Resp: 2455130
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.5 8.3
 42 10.3 8.2 12.2
 44 5.3 4.1 6.1

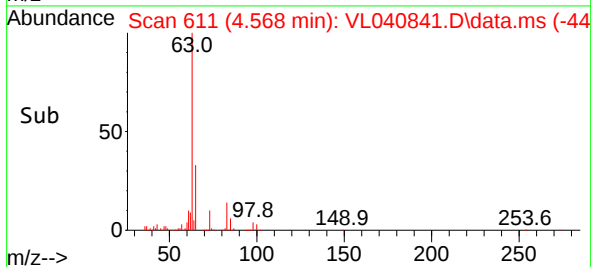
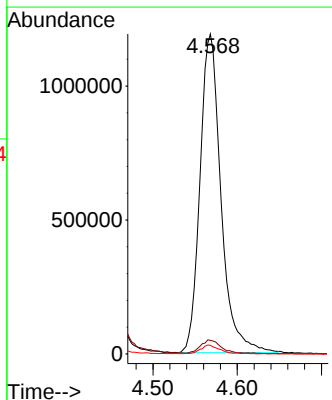
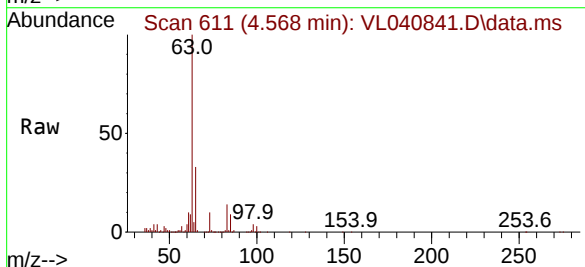
Manual Integrations
 APPROVED

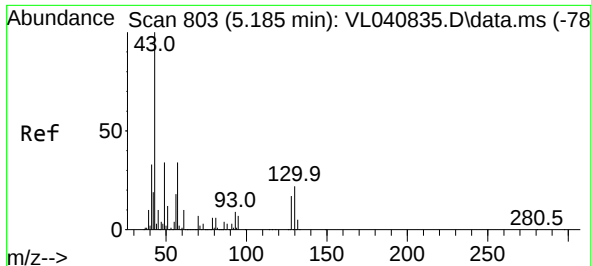
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#24
 1,1-Dichloroethane
 Concen: 16.825 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.019 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

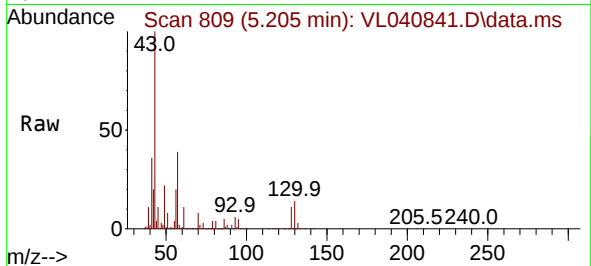
Tgt Ion: 63 Resp: 2063582
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.2 6.6
 100 2.7 1.0 3.0





#25
Ethyl Acetate
Concen: 13.365 ppbv
RT: 5.205 min Scan# 803
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

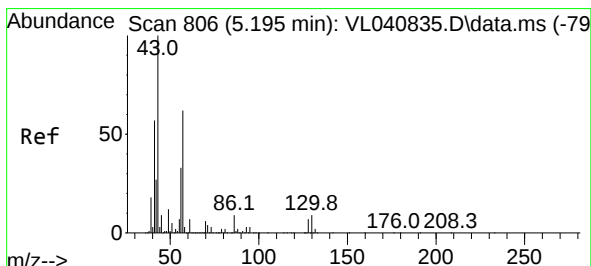
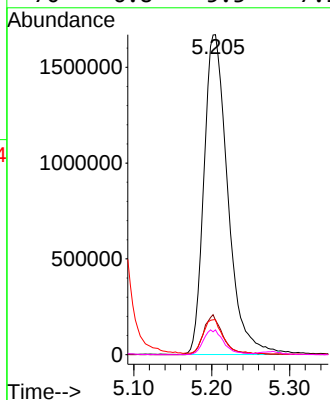
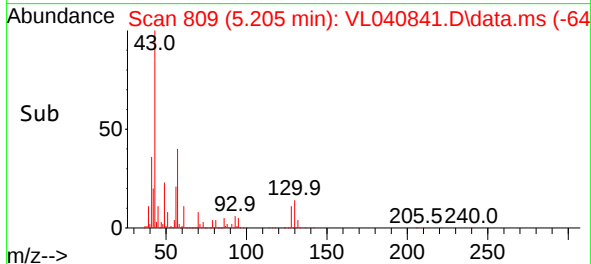
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



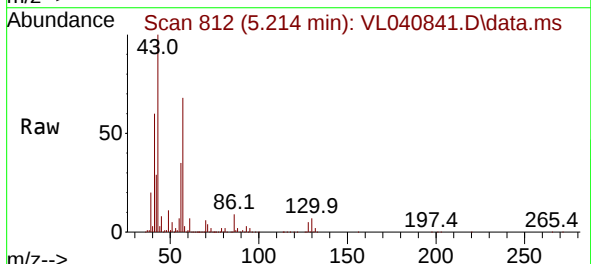
Tgt Ion: 43 Resp: 3541894
Ion Ratio Lower Upper
43 100
45 10.3 8.1 12.1
61 9.5 7.8 11.6
70 6.8 5.3 7.9

Manual Integrations
APPROVED

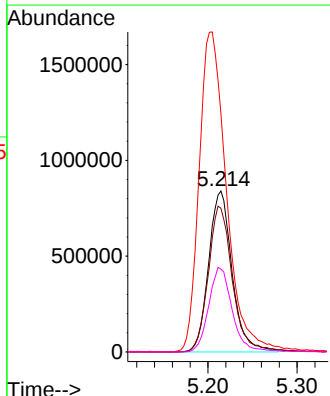
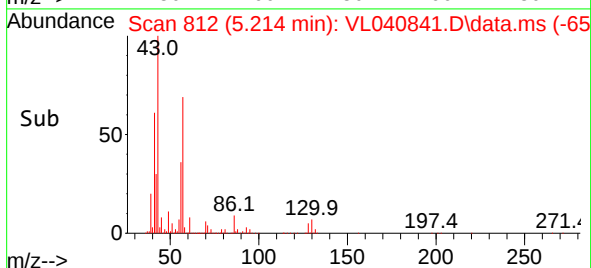
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

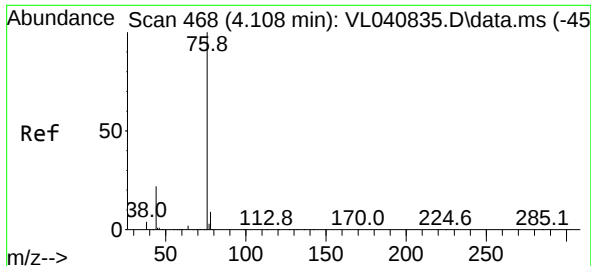


#26
Hexane
Concen: 12.738 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



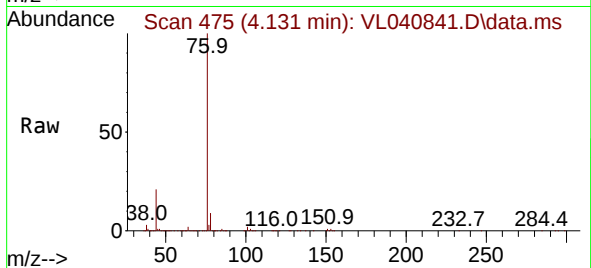
Tgt Ion: 57 Resp: 1537436
Ion Ratio Lower Upper
57 100
41 93.8 75.2 112.8
43 232.9 185.4 278.2
56 52.8 42.6 63.8





#27
Carbon Disulfide
Concen: 15.171 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.023 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

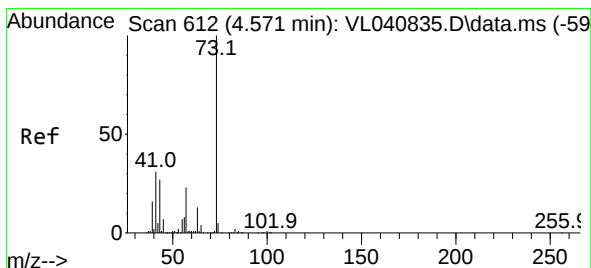
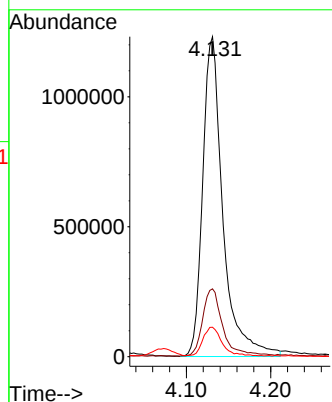
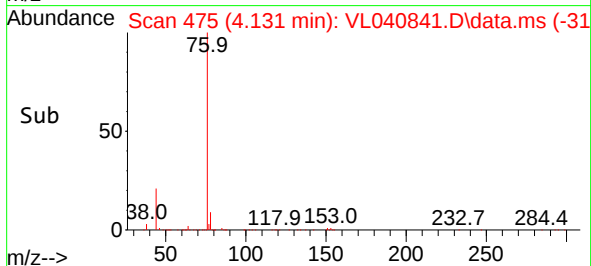
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



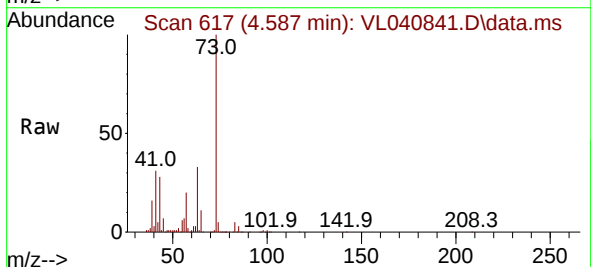
Tgt Ion: 76 Resp: 2054080
Ion Ratio Lower Upper
76 100
44 21.6 16.6 24.8
78 9.3 7.7 11.5

Manual Integrations
APPROVED

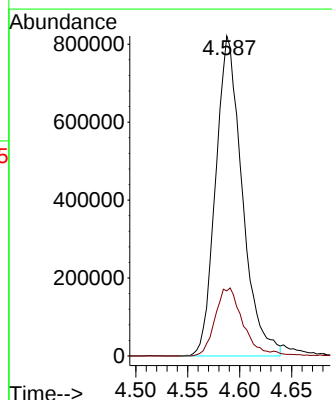
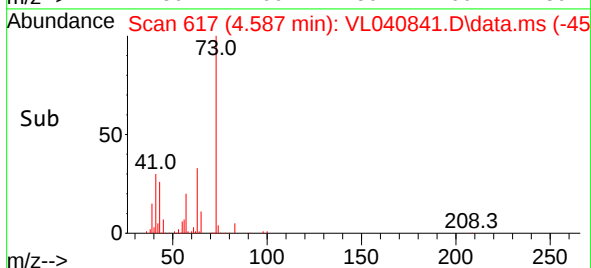
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

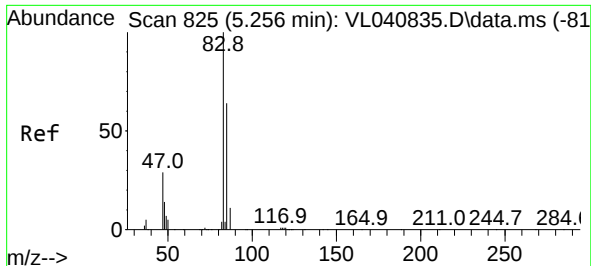


#28
Methyl tert-Butyl Ether
Concen: 15.073 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



Tgt Ion: 73 Resp: 1461197
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0





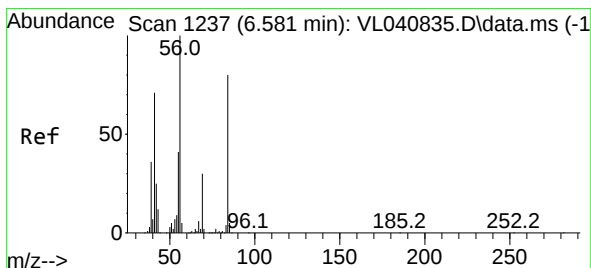
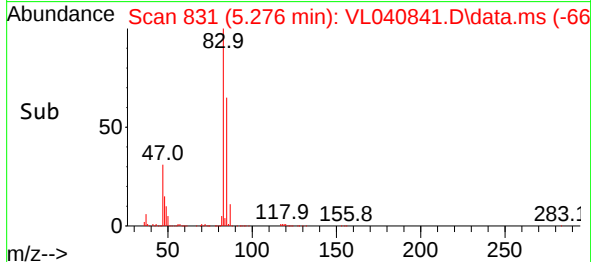
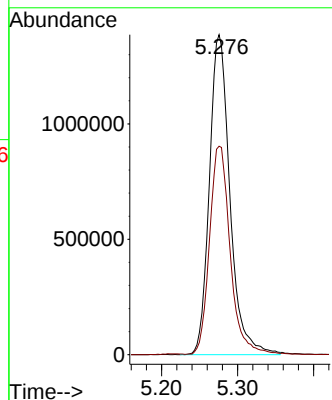
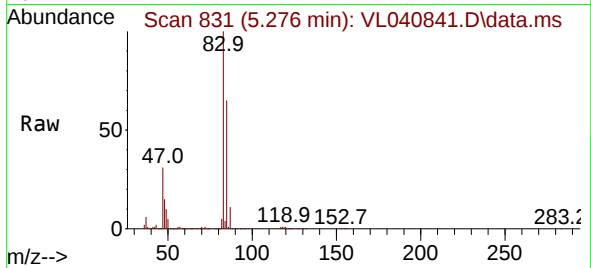
#29
Chloroform
Concen: 14.508 ppbv
RT: 5.276 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2599394
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0

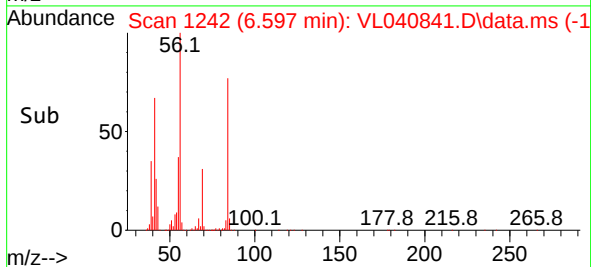
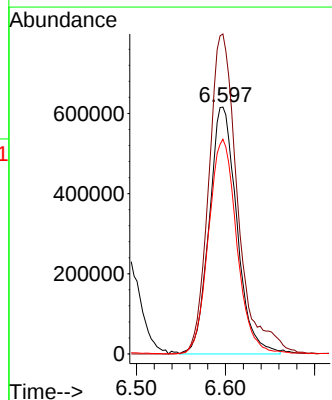
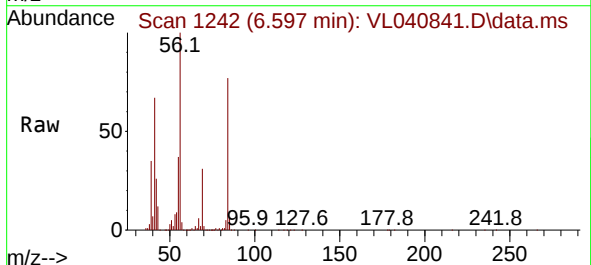
Manual Integrations
APPROVED

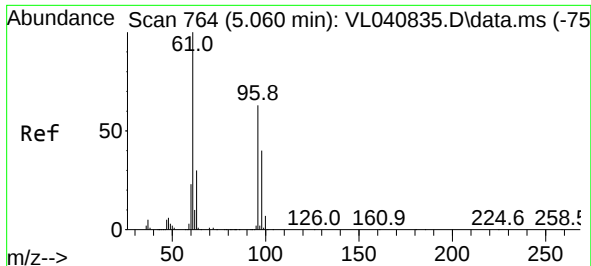
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#30
Cyclohexane
Concen: 12.949 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

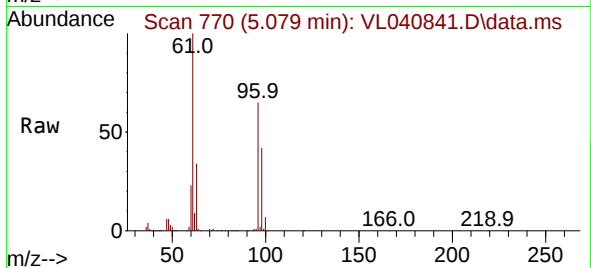
Tgt Ion: 84 Resp: 1326451
Ion Ratio Lower Upper
84 100
56 136.2 109.3 163.9
41 88.7 71.4 107.2





#31
 cis-1,2-Dichloroethene
 Concen: 14.586 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.019 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

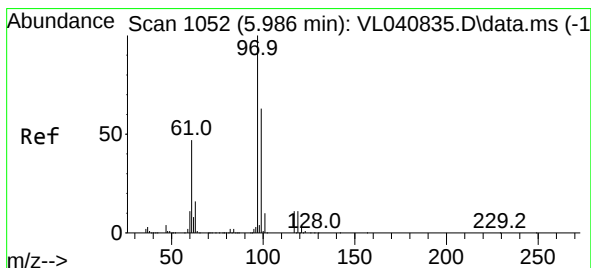
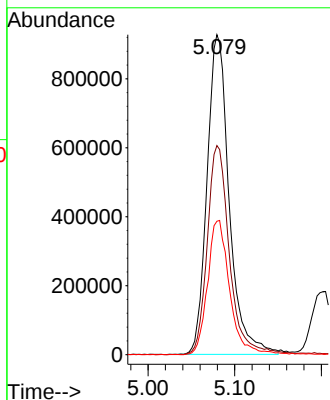
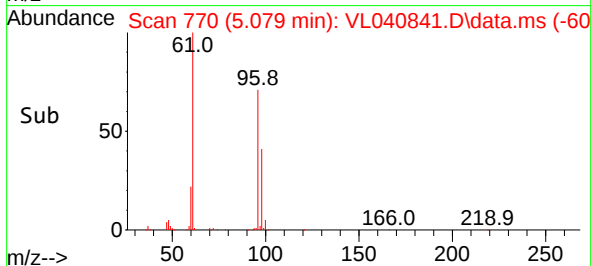
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



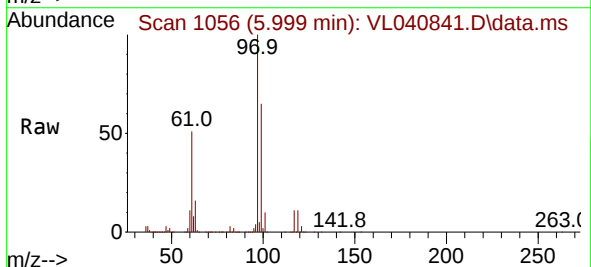
Tgt Ion: 61 Resp: 1648979
 Ion Ratio Lower Upper
 61 100
 96 65.3 50.5 75.7
 98 41.7 31.9 47.9

Manual Integrations
 APPROVED

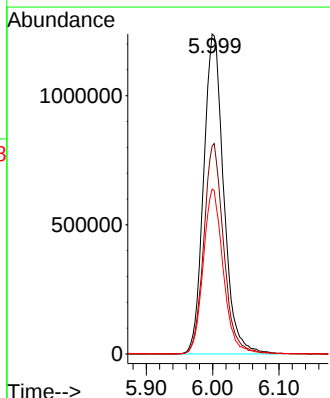
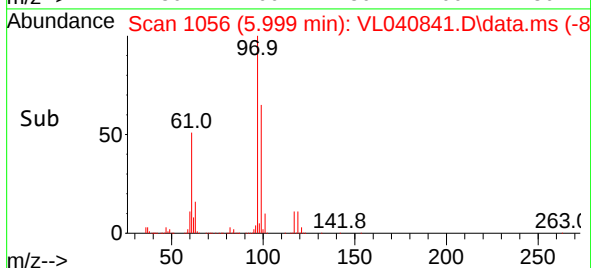
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

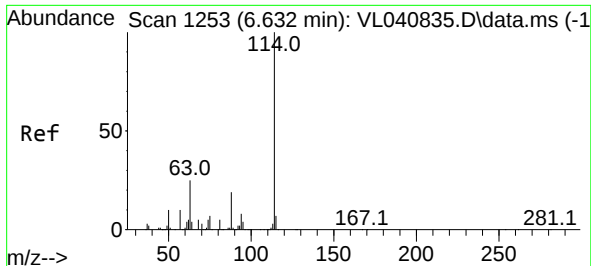


#32
 1,1,1-Trichloroethane
 Concen: 13.835 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.013 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36



Tgt Ion: 97 Resp: 2609323
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.2 78.4
 61 51.3 41.0 61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. 0.019 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 2954720

Ion Ratio Lower Upper

114 100

63 26.0 20.7 31.1

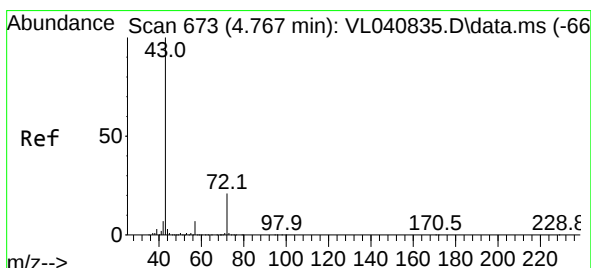
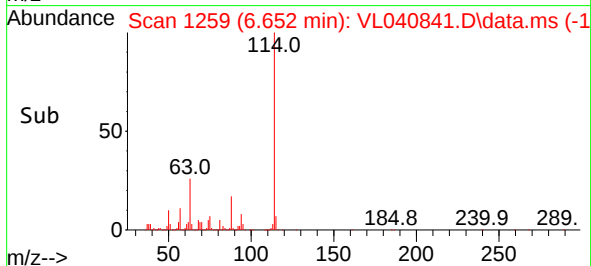
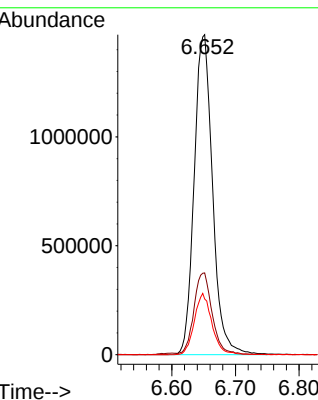
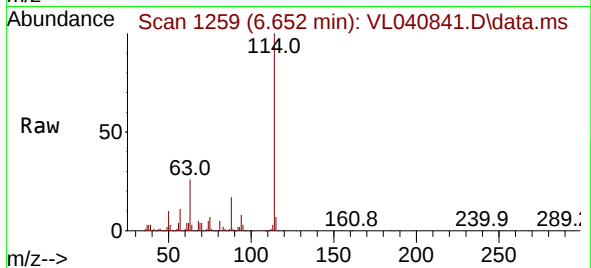
88 18.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#34

2-Butanone

Concen: 16.157 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.019 min

Lab File: VL040841.D

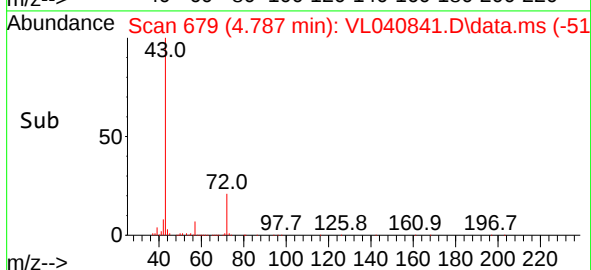
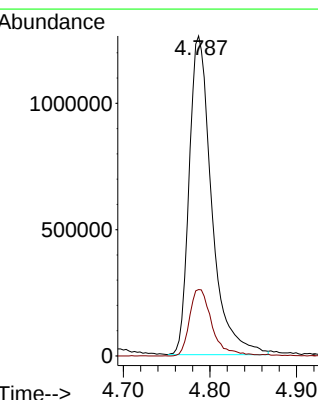
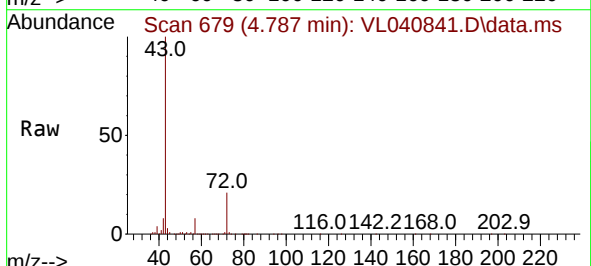
Acq: 13 Nov 2023 14:36

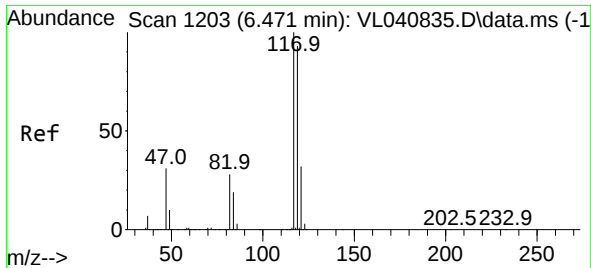
Tgt Ion: 43 Resp: 2278603

Ion Ratio Lower Upper

43 100

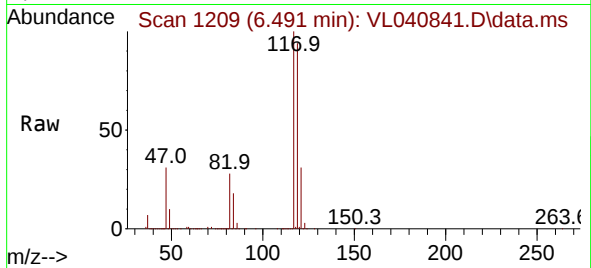
72 21.3 17.2 25.8





#35
Carbon Tetrachloride
Concen: 16.574 ppbv
RT: 6.491 min Scan# 1170
Delta R.T. 0.019 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

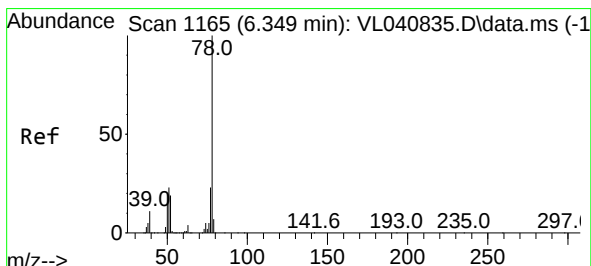
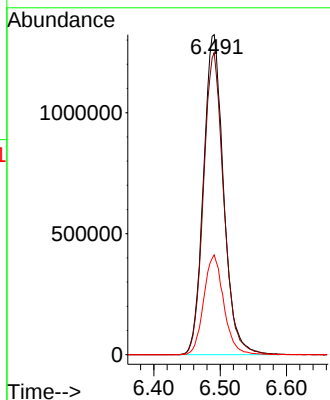
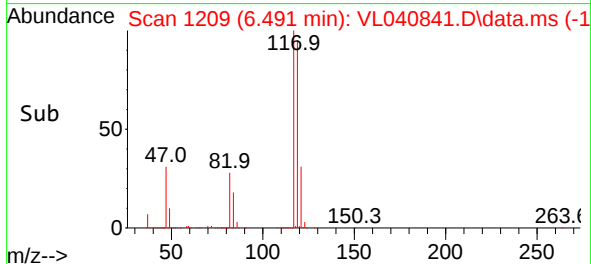
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



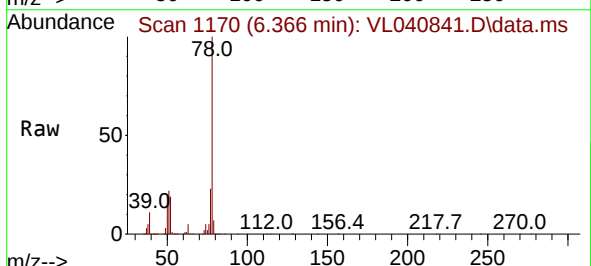
Tgt Ion: 117 Resp: 2793720
Ion Ratio Lower Upper
117 100
119 94.4 74.7 112.1
121 31.2 25.5 38.3

Manual Integrations
APPROVED

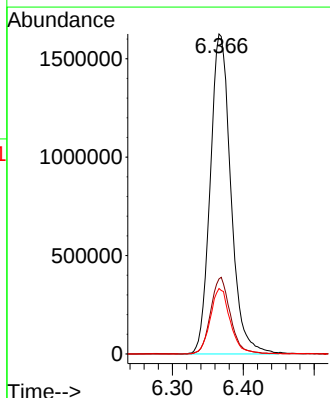
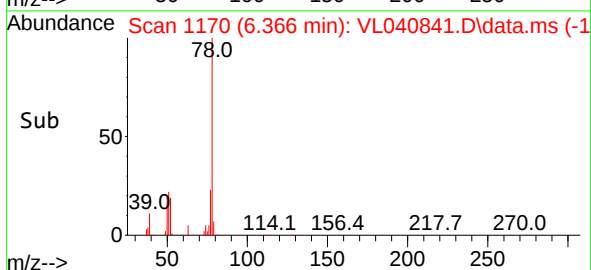
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

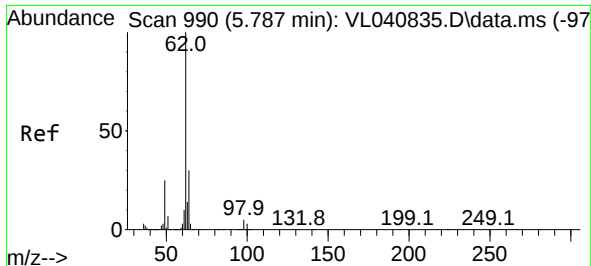


#36
Benzene
Concen: 14.456 ppbv
RT: 6.366 min Scan# 1170
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



Tgt Ion: 78 Resp: 3283937
Ion Ratio Lower Upper
78 100
77 23.4 18.4 27.6
50 20.4 16.2 24.2





#37

1,2-Dichloroethane

Concen: 17.017 ppbv

RT: 5.806 min Scan# 990

Delta R.T. 0.019 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 203895

Ion Ratio Lower Upper

62 100

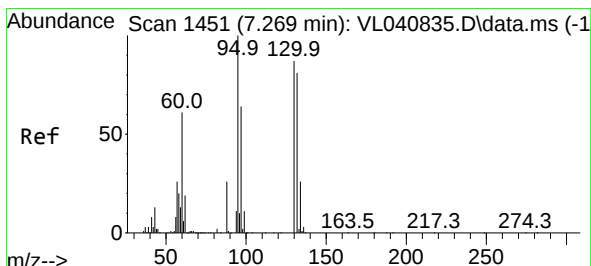
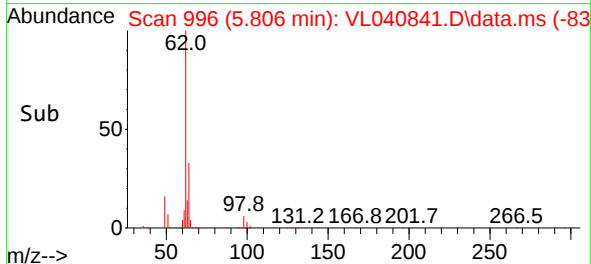
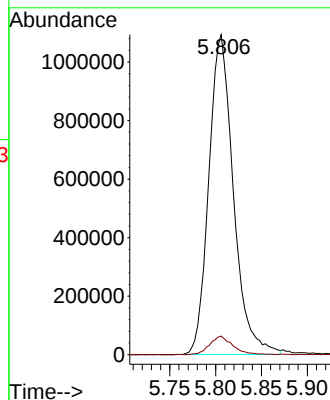
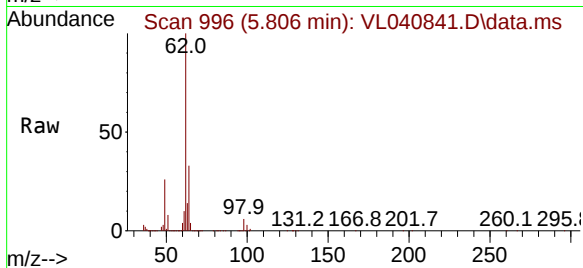
98 5.6 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#38

Trichloroethene

Concen: 12.867 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.016 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Tgt Ion:130 Resp: 1289632

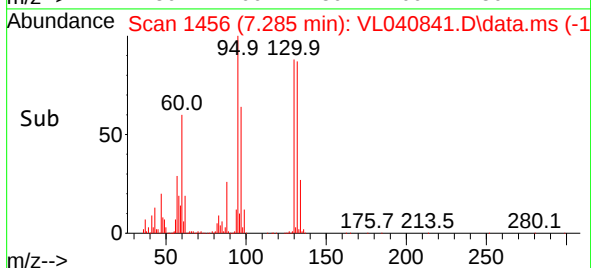
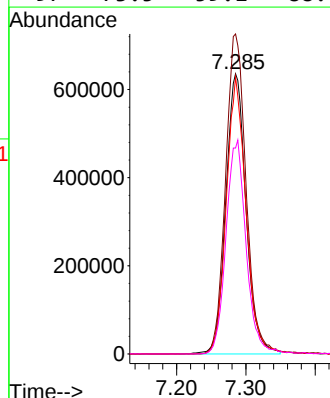
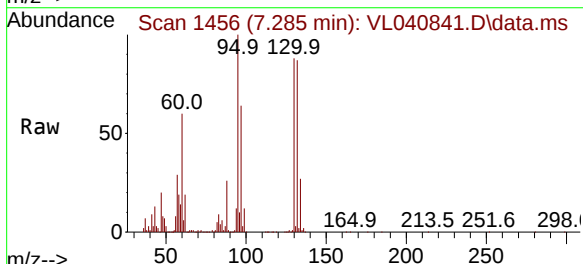
Ion Ratio Lower Upper

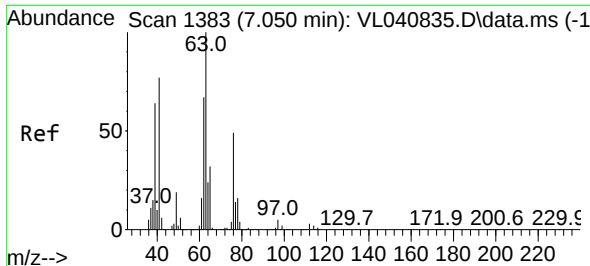
130 100

95 114.2 92.4 138.6

132 98.9 75.1 112.7

97 73.5 59.1 88.7





#39

1,2-Dichloropropane

Concen: 14.680 ppbv

RT: 7.066 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 130356

Ion Ratio Lower Upper

63 100

41 75.1 61.5 92.3

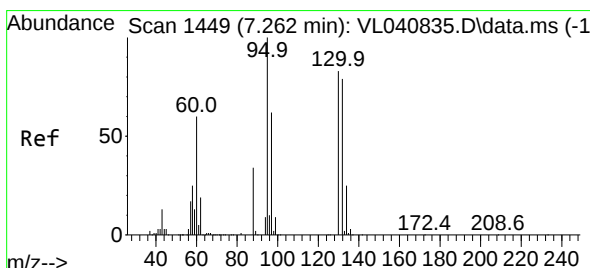
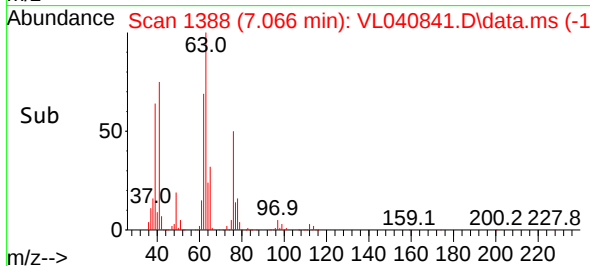
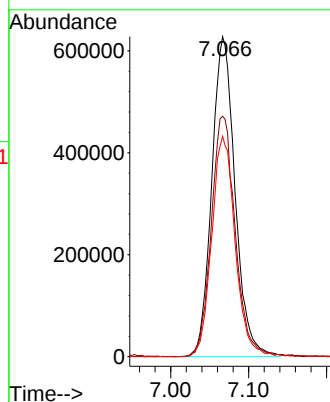
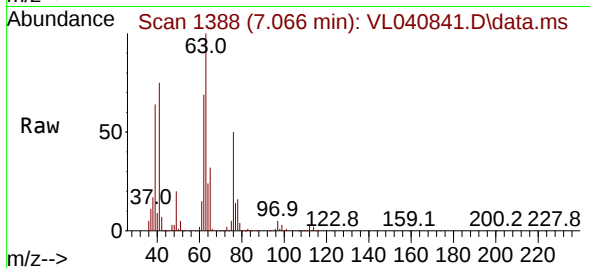
62 68.8 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#40

1,4-Dioxane

Concen: 15.881 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.013 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Tgt Ion: 88 Resp: 528453

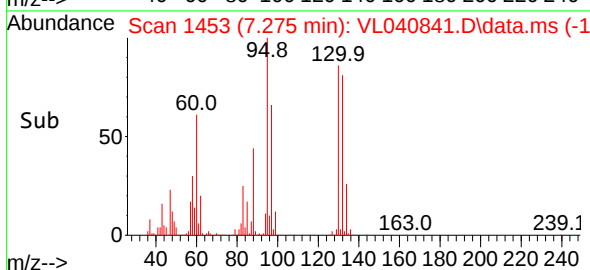
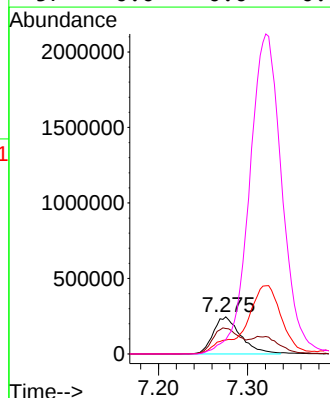
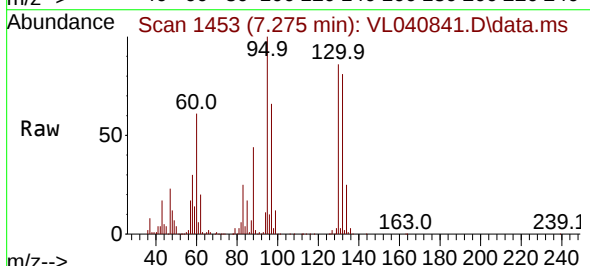
Ion Ratio Lower Upper

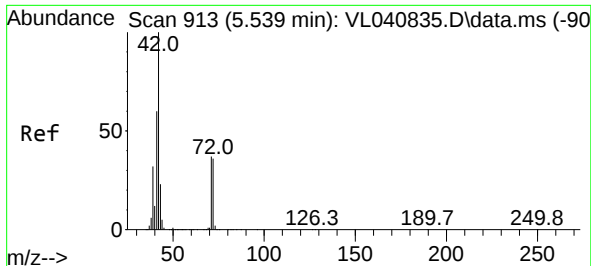
88 100

58 75.0 101.5 152.3#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





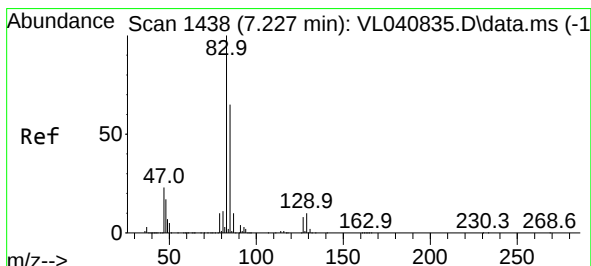
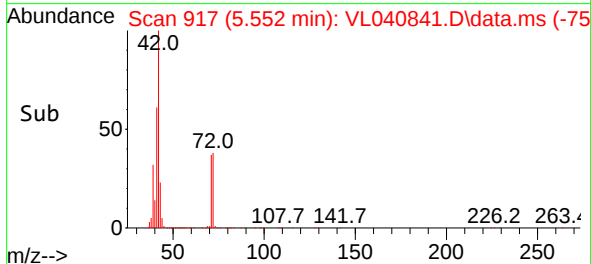
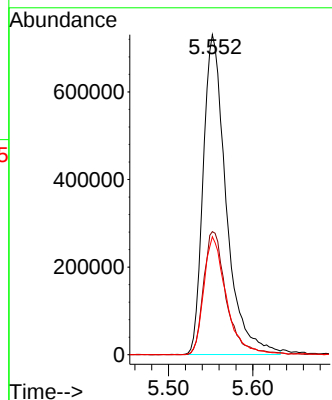
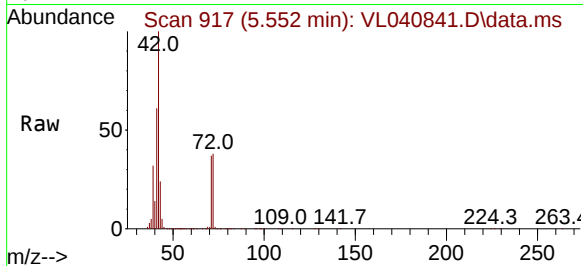
#41
Tetrahydrofuran
Concen: 15.083 ppbv
RT: 5.552 min Scan# 913
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 42 Resp: 1387318
Ion Ratio Lower Upper
42 100
72 38.5 30.8 46.2
71 36.4 30.0 45.0

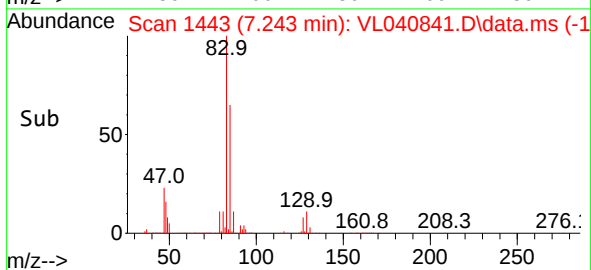
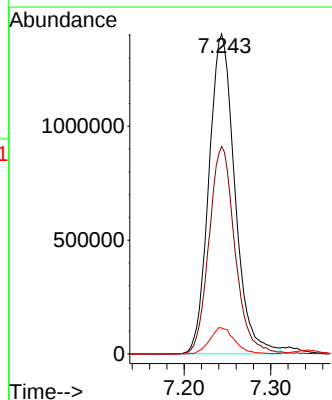
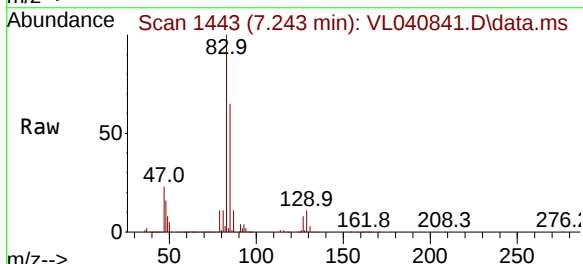
Manual Integrations
APPROVED

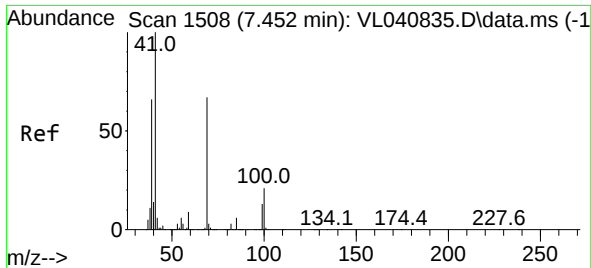
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#42
Bromodichloromethane
Concen: 16.390 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion: 83 Resp: 2925406
Ion Ratio Lower Upper
83 100
85 64.8 52.3 78.5
127 8.1 6.6 10.0





#43
Methyl Methacrylate
Concen: 15.188 ppbv
RT: 7.465 min Scan# 1512
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

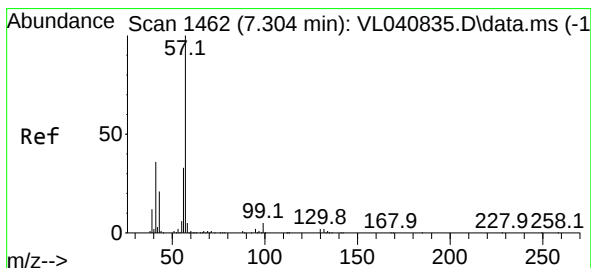
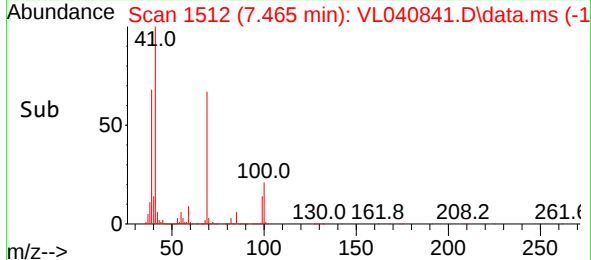
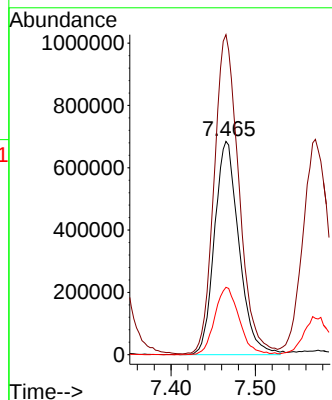
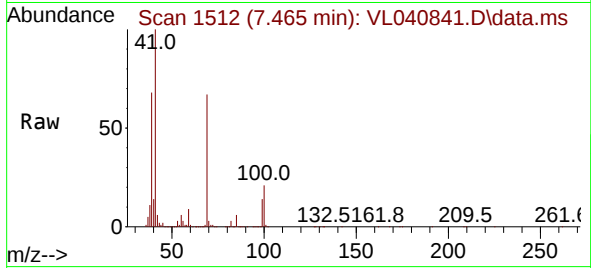
VSTDICC015

Tgt Ion: 69 Resp: 1379592
Ion Ratio Lower Upper
69 100
41 151.9 123.5 185.3
100 31.8 25.4 38.2

Manual Integrations

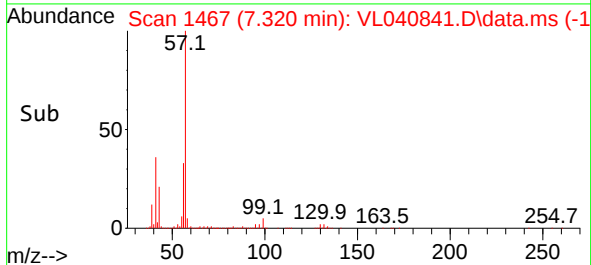
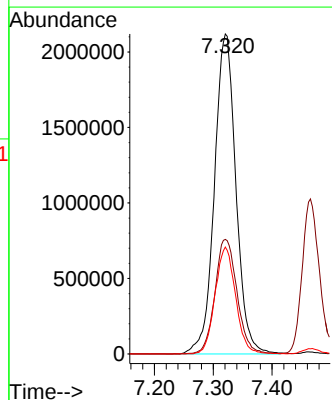
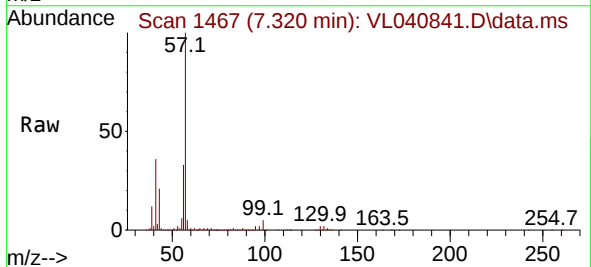
APPROVED

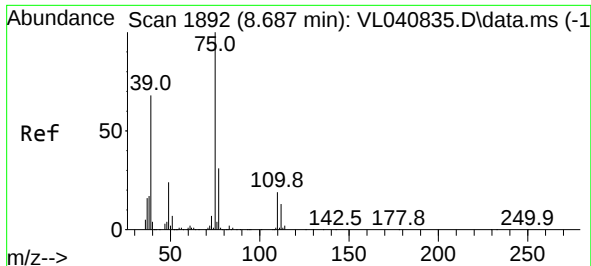
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#44
2,2,4-Trimethylpentane
Concen: 14.015 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion: 57 Resp: 5386934
Ion Ratio Lower Upper
57 100
41 36.8 29.0 43.6
56 31.8 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 13.721 ppbv

RT: 8.700 min Scan# 1892

Delta R.T. 0.013 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 75 Resp: 93491

Ion Ratio Lower Upper

75 100

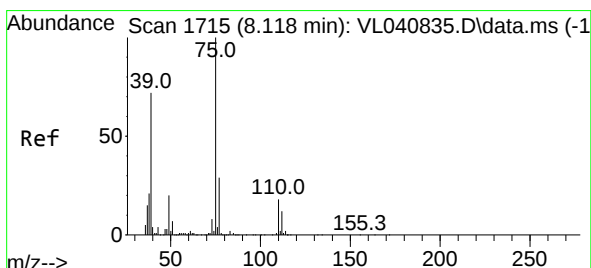
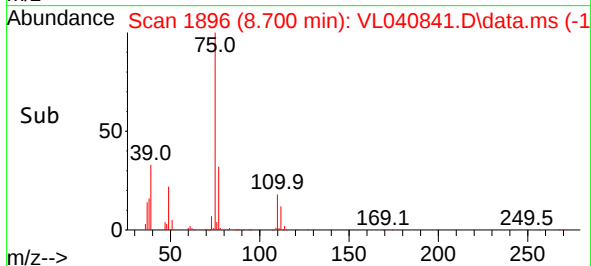
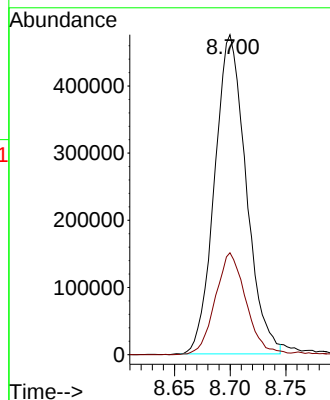
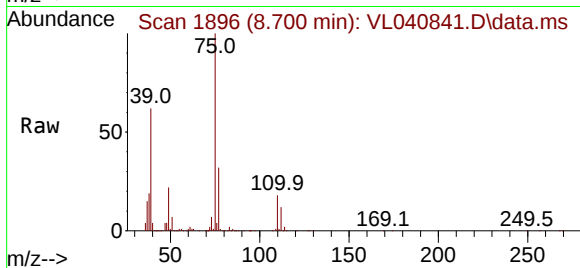
77 31.8 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#46

cis-1,3-Dichloropropene

Concen: 13.331 ppbv

RT: 8.131 min Scan# 1719

Delta R.T. 0.013 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

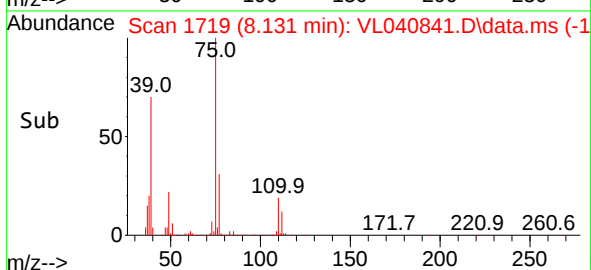
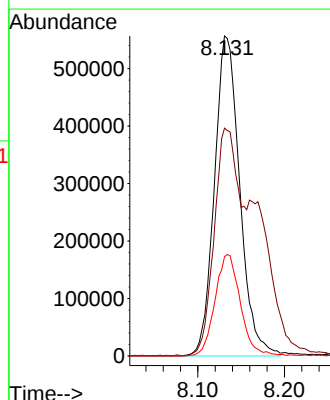
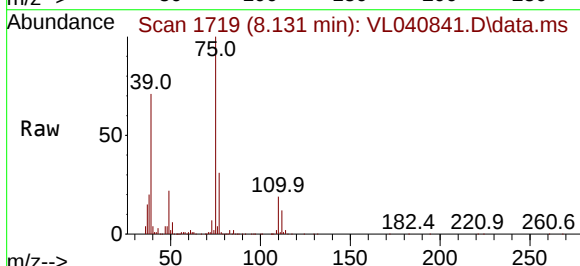
Tgt Ion: 75 Resp: 1130024

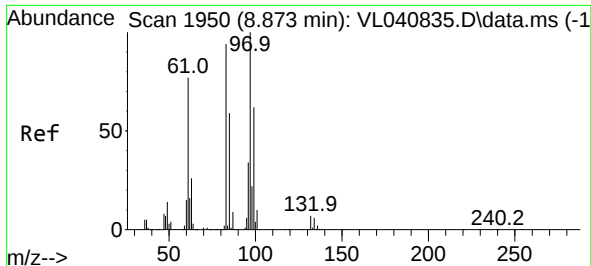
Ion Ratio Lower Upper

75 100

39 71.1 57.3 85.9

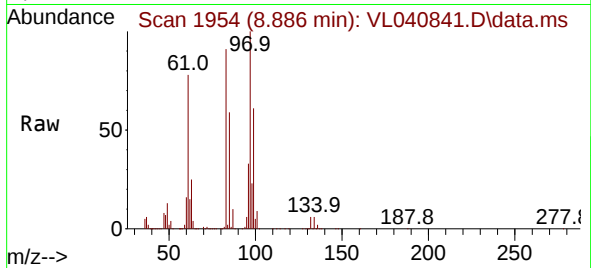
77 31.0 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 14.878 ppbv
RT: 8.886 min Scan# 1954
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

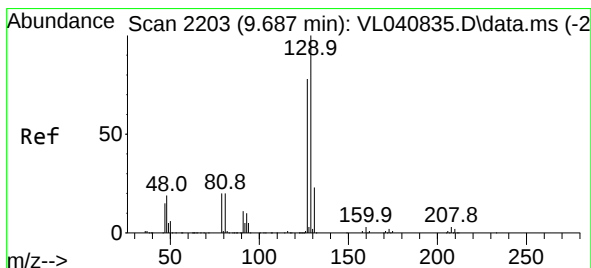
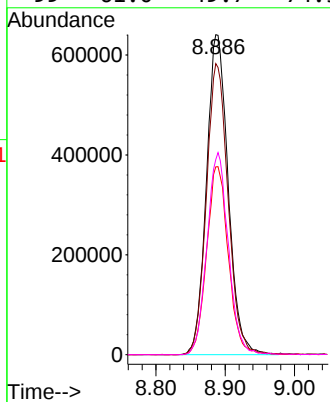
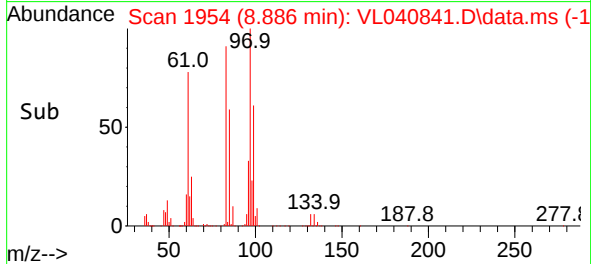
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 97 Resp: 1391828
Ion Ratio Lower Upper
97 100
83 90.9 74.8 112.2
85 58.7 47.4 71.0
99 61.0 49.7 74.5

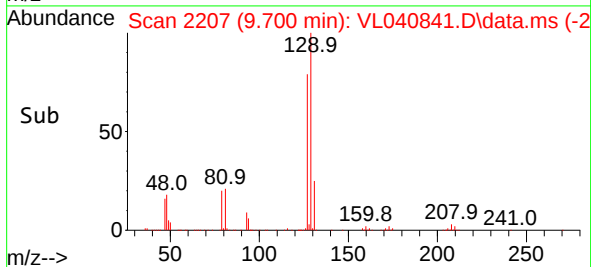
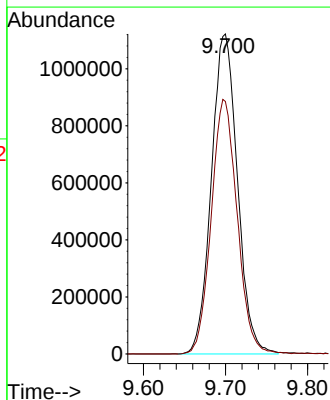
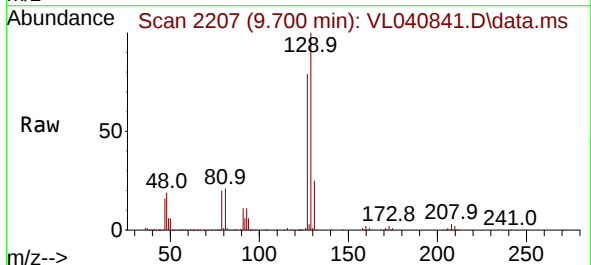
Manual Integrations
APPROVED

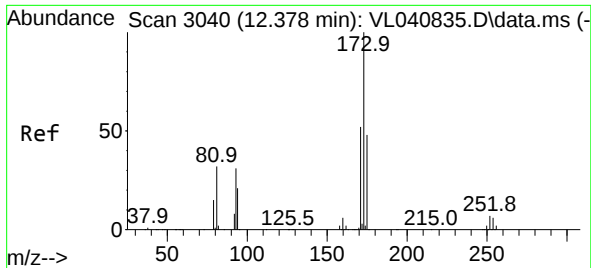
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#48
Dibromochloromethane
Concen: 15.729 ppbv
RT: 9.700 min Scan# 2207
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

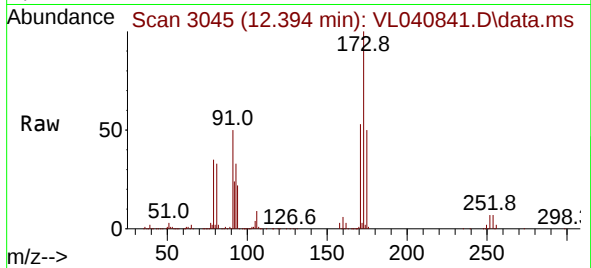
Tgt Ion:129 Resp: 2477607
Ion Ratio Lower Upper
129 100
127 79.3 39.3 117.9





#49
Bromoform
Concen: 15.594 ppbv
RT: 12.394 min Scan# 3040
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

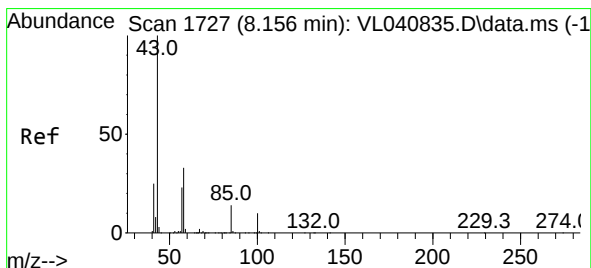
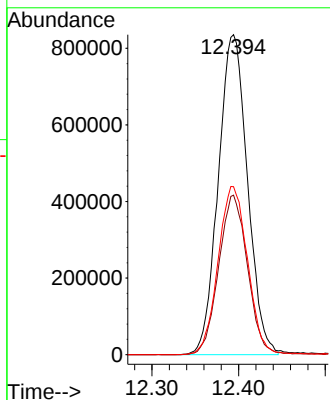
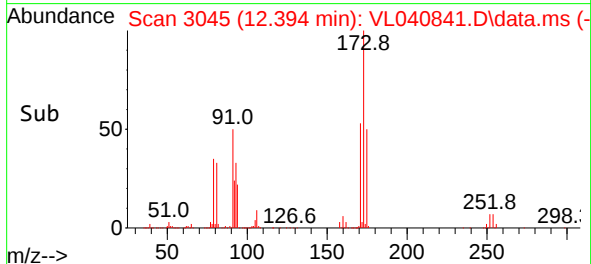
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



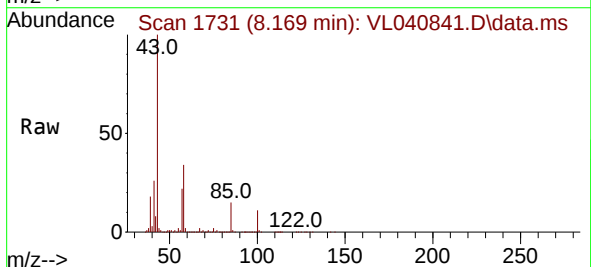
Tgt Ion:173 Resp: 1956604
Ion Ratio Lower Upper
173 100
175 49.6 39.1 58.7
171 53.5 41.9 62.9

Manual Integrations
APPROVED

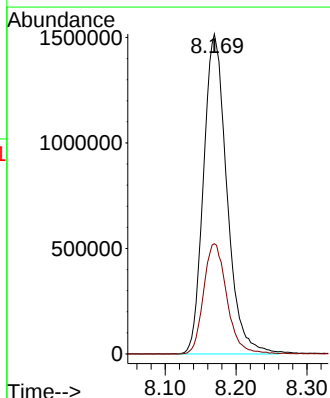
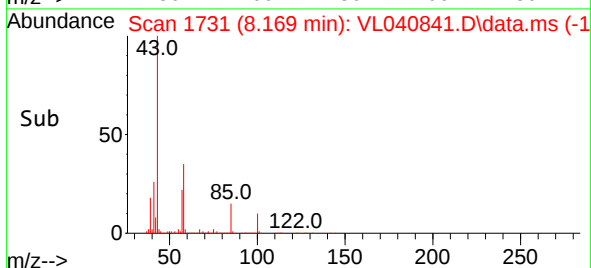
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

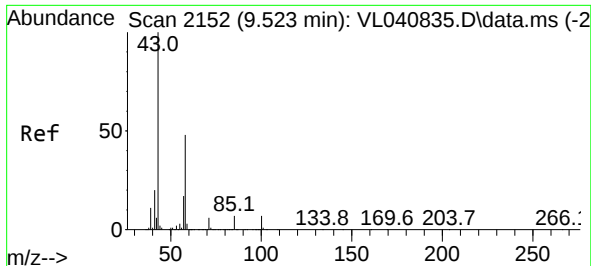


#50
4-Methyl-2-Pentanone
Concen: 15.132 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



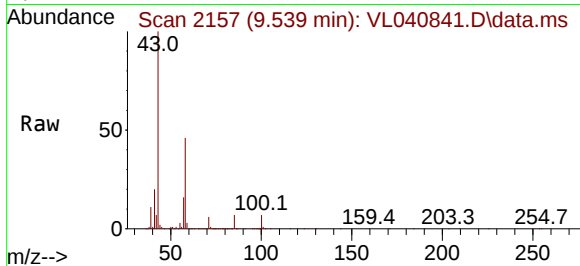
Tgt Ion: 43 Resp: 3467974
Ion Ratio Lower Upper
43 100
58 34.5 27.7 41.5





#51
2-Hexanone
Concen: 14.877 ppbv
RT: 9.539 min Scan# 2152
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

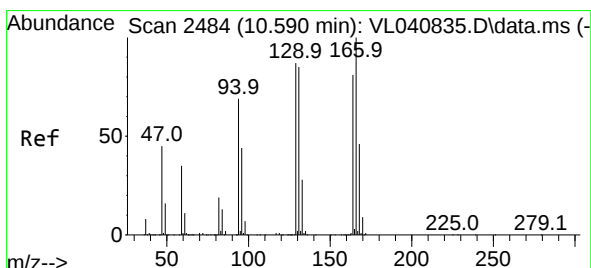
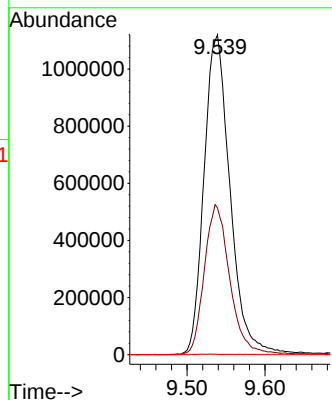
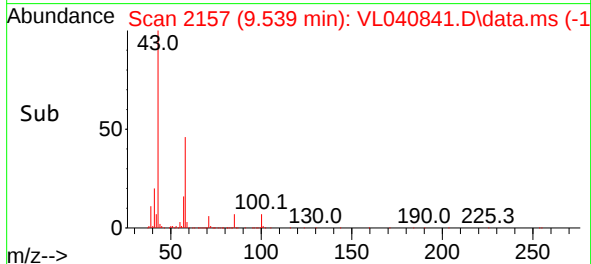
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 2575144
Ion Ratio Lower Upper
43 100
58 46.8 37.4 56.0
98 0.2 0.2 0.4

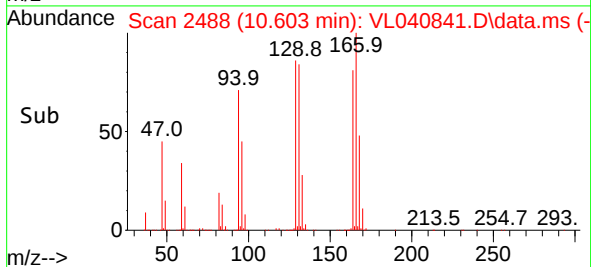
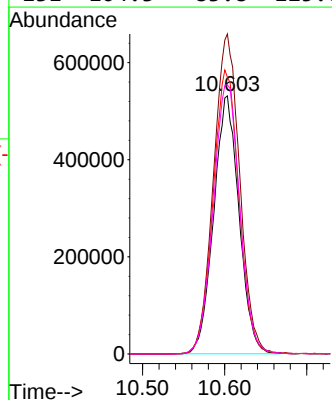
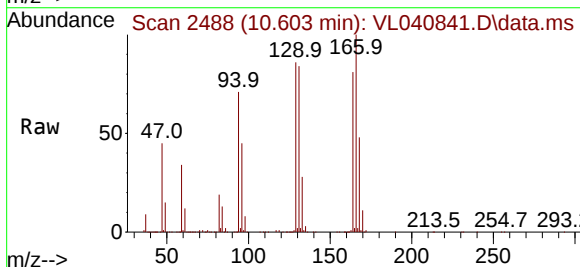
Manual Integrations
APPROVED

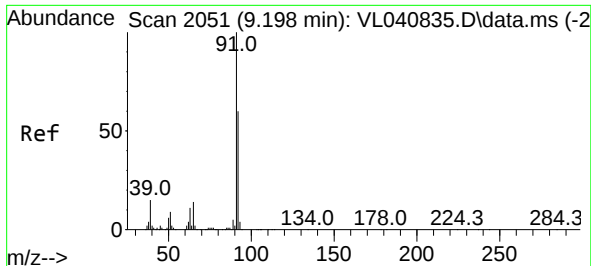
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#52
Tetrachloroethene
Concen: 12.457 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion:164 Resp: 1136448
Ion Ratio Lower Upper
164 100
166 124.0 98.3 147.5
129 107.2 85.1 127.7
131 104.3 83.8 125.6





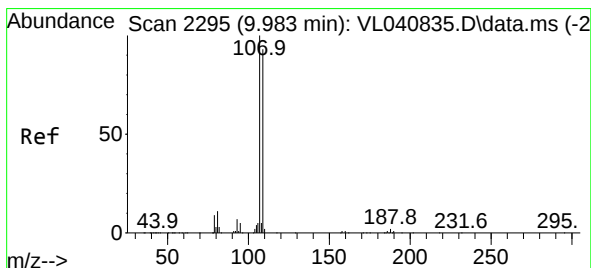
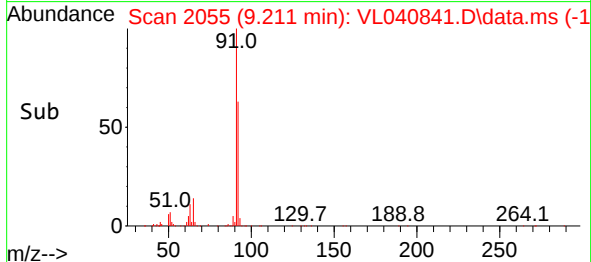
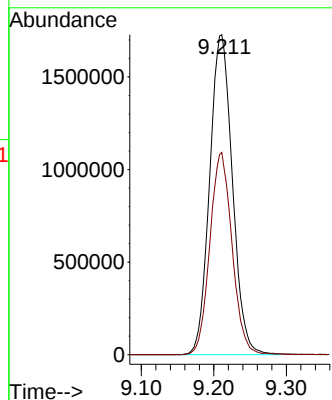
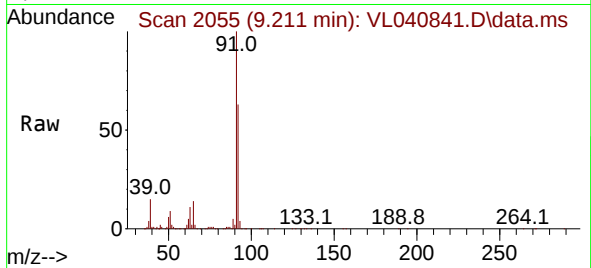
#53
Toluene
Concen: 13.971 ppbv
RT: 9.211 min Scan# 2051
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 3765460
Ion Ratio Lower Upper
91 100
92 61.8 49.4 74.2

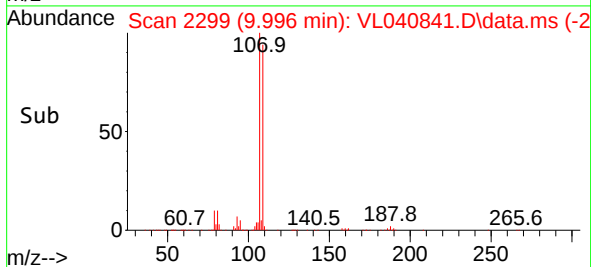
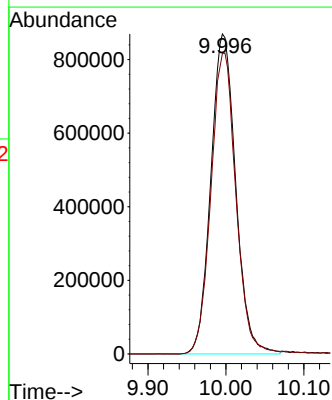
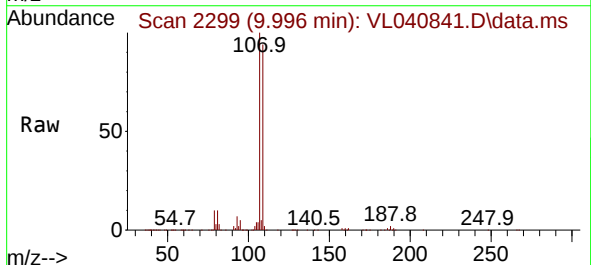
Manual Integrations
APPROVED

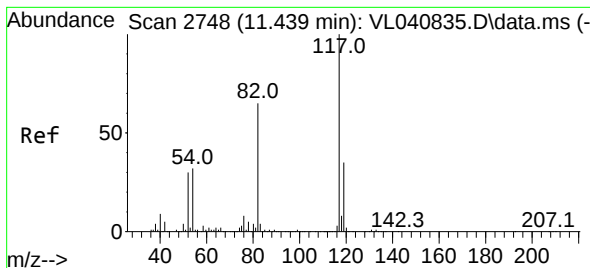
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#54
1,2-Dibromoethane
Concen: 14.835 ppbv
RT: 9.996 min Scan# 2299
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

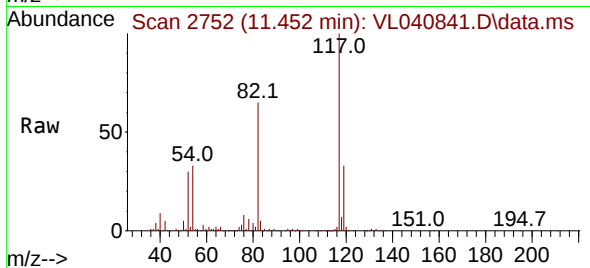
Tgt Ion:107 Resp: 1929240
Ion Ratio Lower Upper
107 100
109 94.0 74.5 111.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

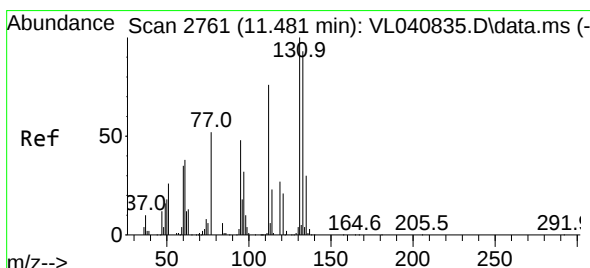
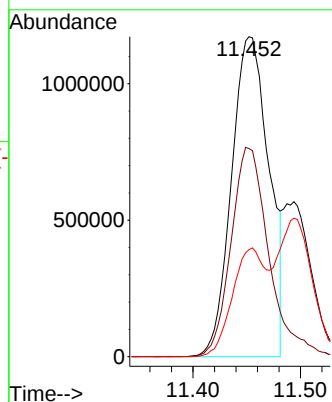
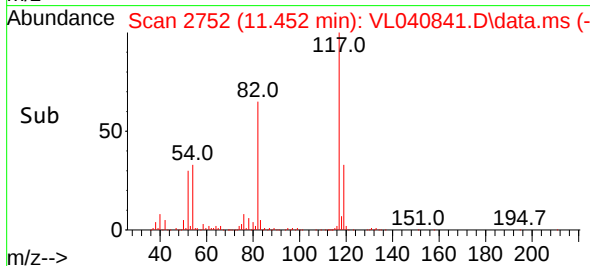
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



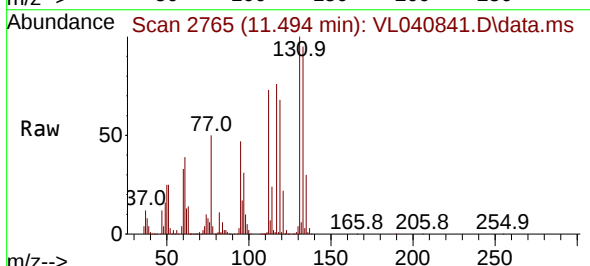
Tgt Ion:117 Resp: 284338
Ion Ratio Lower Upper
117 100
82 66.6 50.6 75.8
119 30.8 23.3 34.9

Manual Integrations
APPROVED

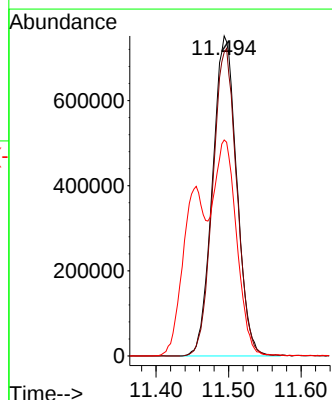
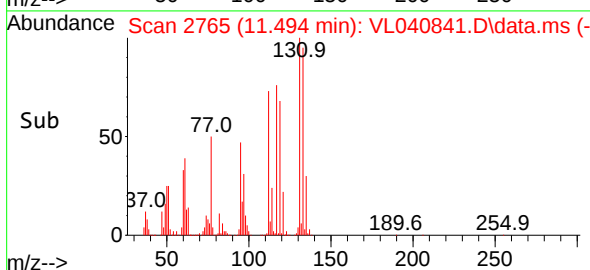
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

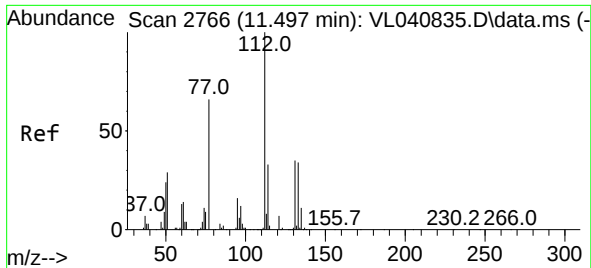


#56
1,1,1,2-Tetrachloroethane
Concen: 14.898 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



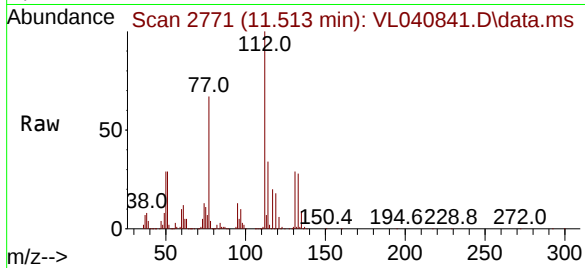
Tgt Ion:131 Resp: 1744212
Ion Ratio Lower Upper
131 100
133 95.6 76.5 114.7
119 61.5 47.2 70.8





#57
Chlorobenzene
Concen: 14.032 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

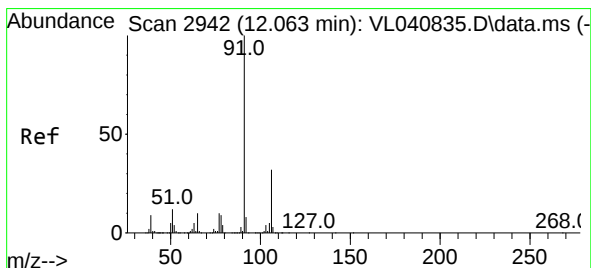
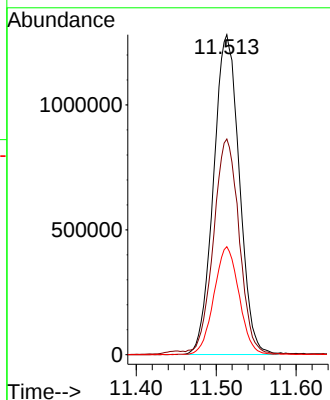
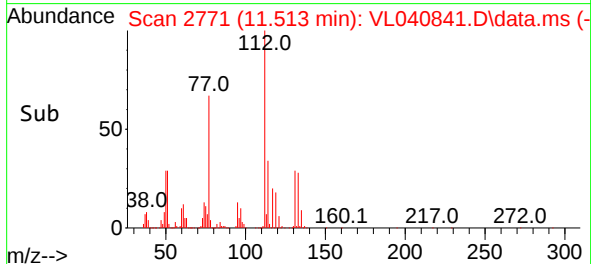
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



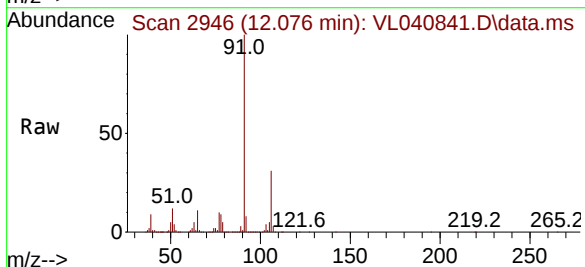
Tgt Ion:112 Resp: 287288
Ion Ratio Lower Upper
112 100
77 67.0 53.3 79.9
114 33.6 29.3 35.9

Manual Integrations
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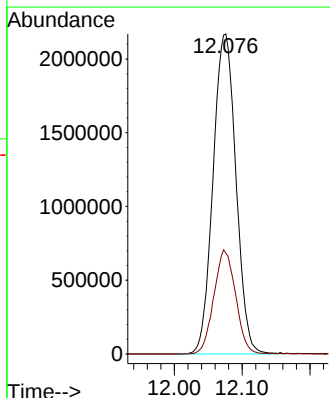
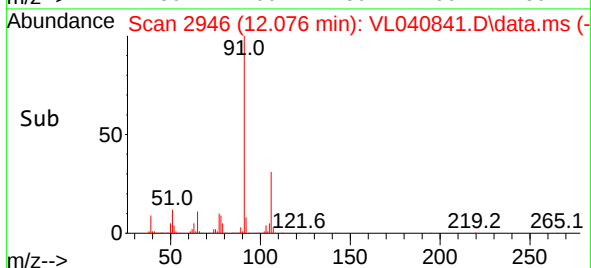
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

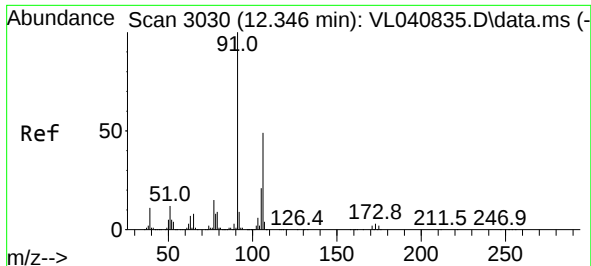


#58
Ethyl Benzene
Concen: 14.108 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



Tgt Ion: 91 Resp: 5092254
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8





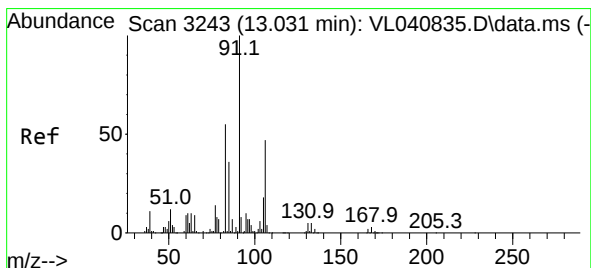
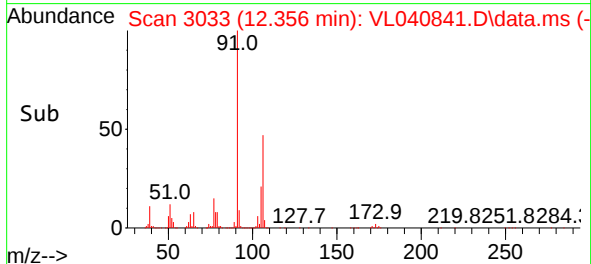
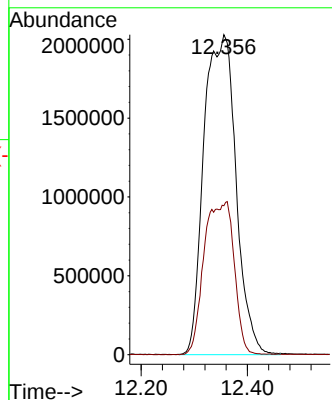
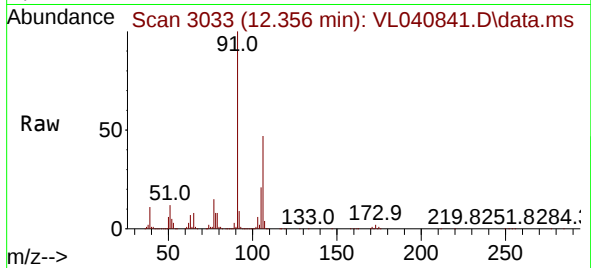
#59
m/p-Xylene
Concen: 28.537 ppbv m
RT: 12.356 min Scan# 3033
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 851115
Ion Ratio Lower Upper
91 100
106 44.8 35.4 53.2

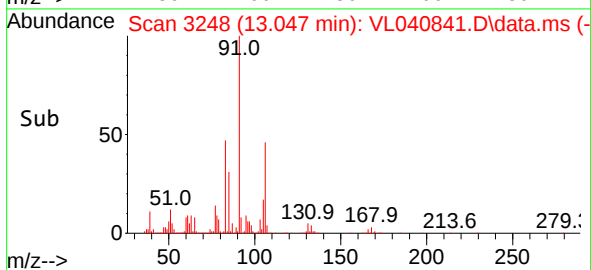
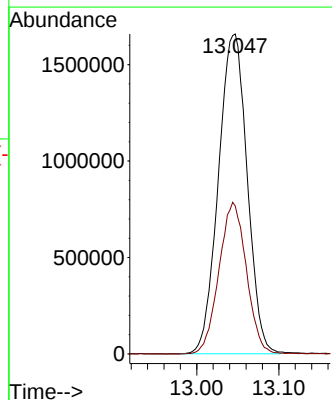
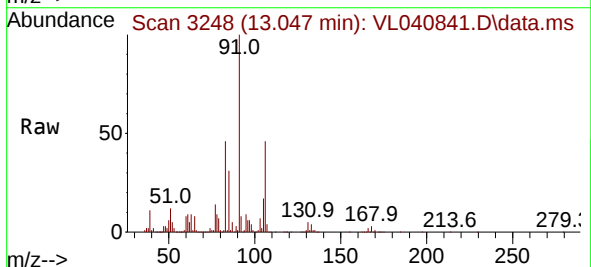
Manual Integrations
APPROVED

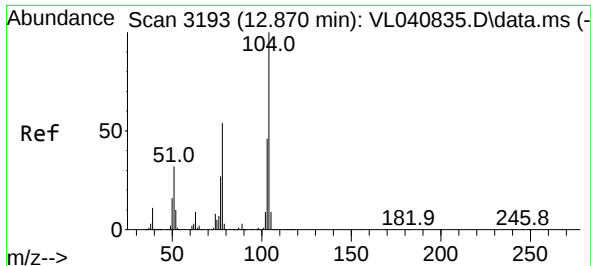
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#60
o-Xylene
Concen: 14.224 ppbv
RT: 13.047 min Scan# 3248
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion: 91 Resp: 4034965
Ion Ratio Lower Upper
91 100
106 45.3 22.9 68.7





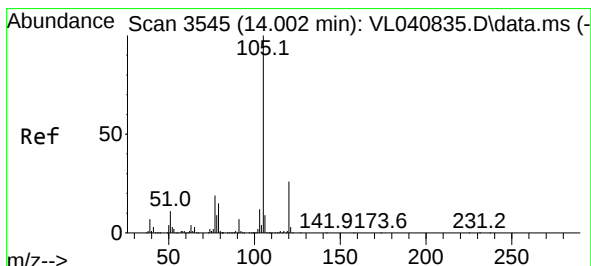
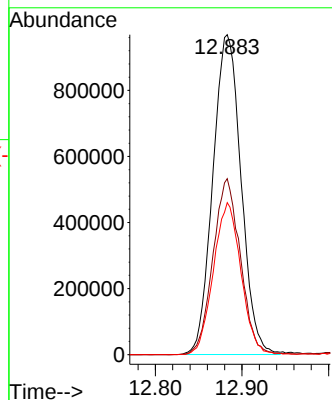
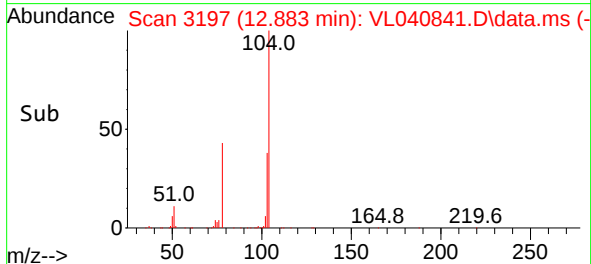
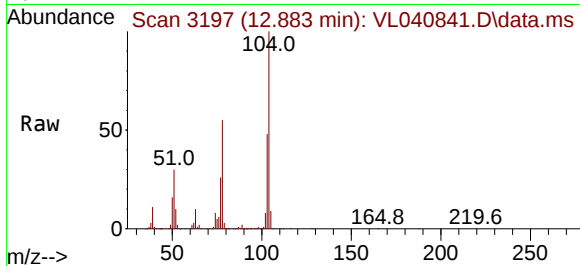
#61
Styrene
Concen: 14.228 ppbv
RT: 12.883 min Scan# 3197
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 2190519
Ion Ratio Lower Upper
104 100
78 53.7 43.3 64.9
103 46.6 37.6 56.4

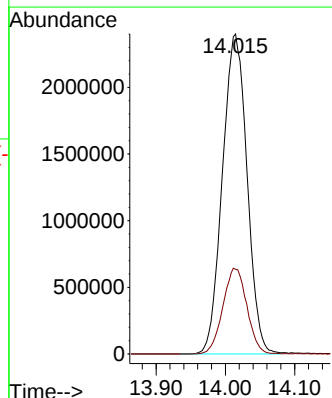
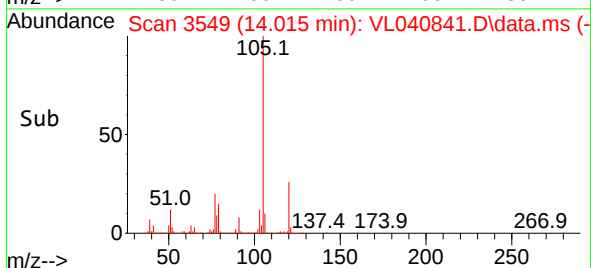
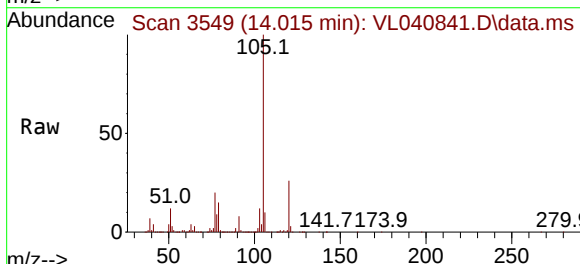
Manual Integrations
APPROVED

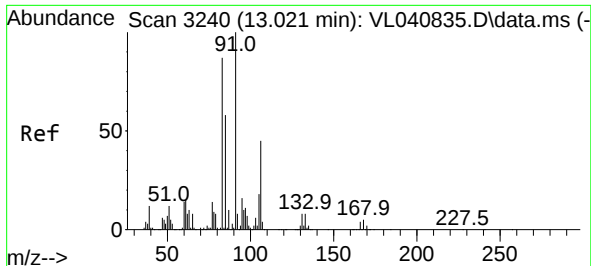
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#62
Isopropylbenzene
Concen: 13.641 ppbv
RT: 14.015 min Scan# 3549
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion:105 Resp: 5923546
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1





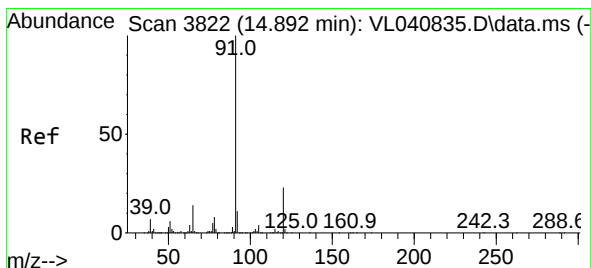
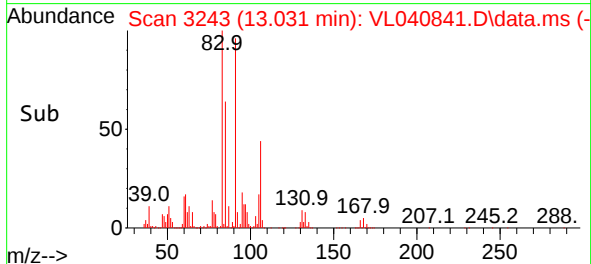
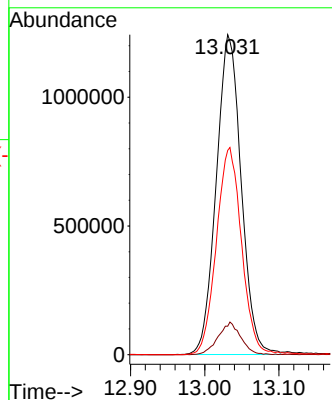
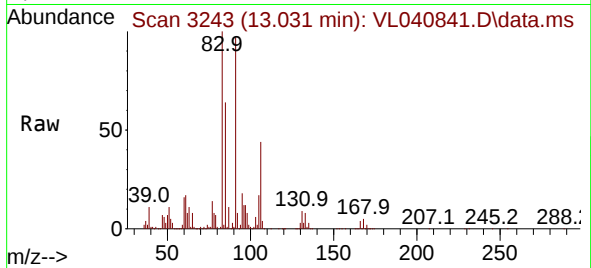
#63
1,1,2,2-Tetrachloroethane
Concen: 13.643 ppbv
RT: 13.031 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 83 Resp: 290226
Ion Ratio Lower Upper
83 100
131 9.4 4.6 13.8
85 66.0 32.6 98.0

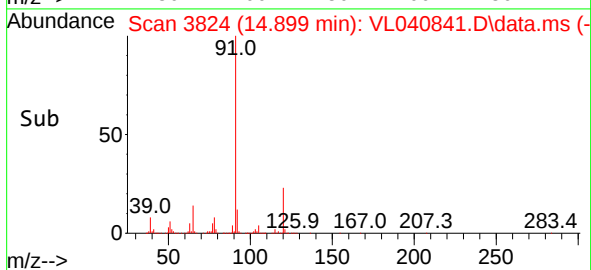
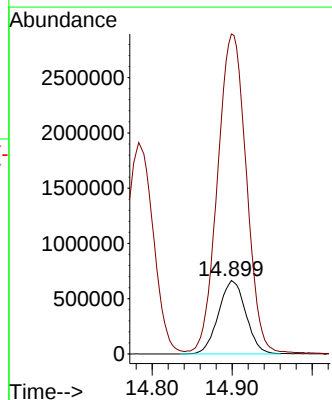
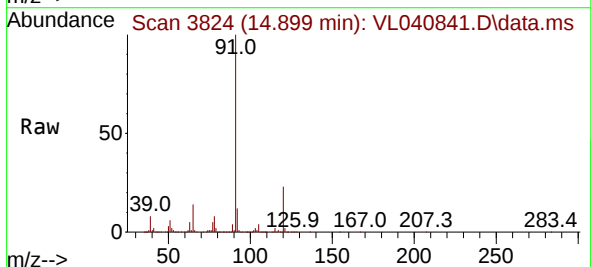
Manual Integrations
APPROVED

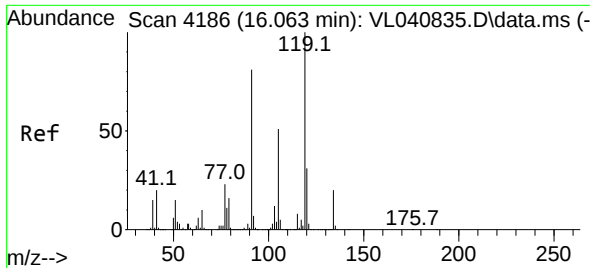
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#64
n-propylbenzene
Concen: 13.641 ppbv
RT: 14.899 min Scan# 3824
Delta R.T. 0.007 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion:120 Resp: 1572831
Ion Ratio Lower Upper
120 100
91 461.8 381.1 571.7





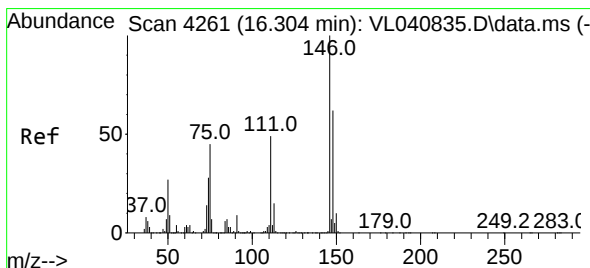
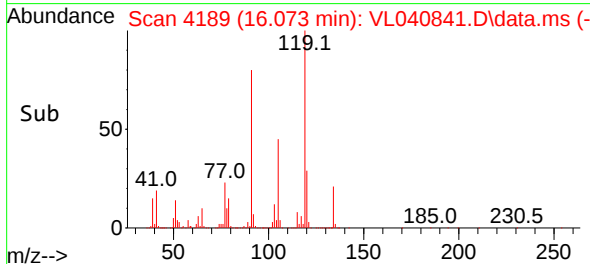
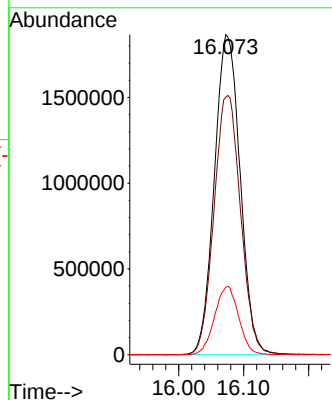
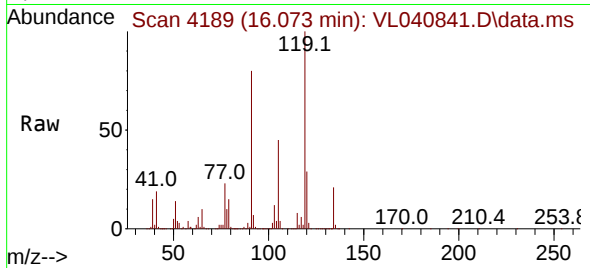
#65
tert-Butylbenzene
Concen: 13.180 ppbv
RT: 16.073 min Scan# 4186
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 513806
Ion Ratio Lower Upper
119 100
91 83.6 67.5 101.3
134 20.0 15.9 23.9

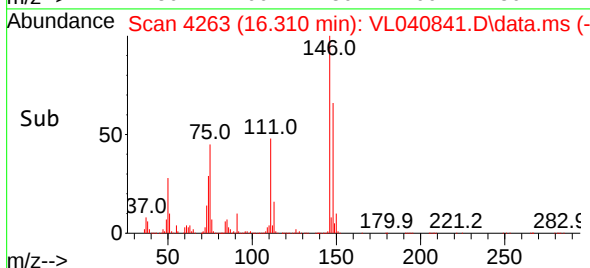
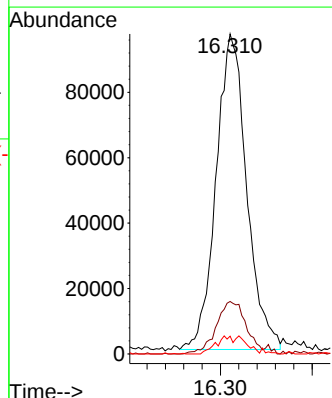
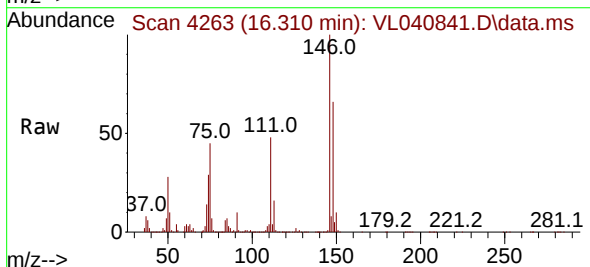
Manual Integrations
APPROVED

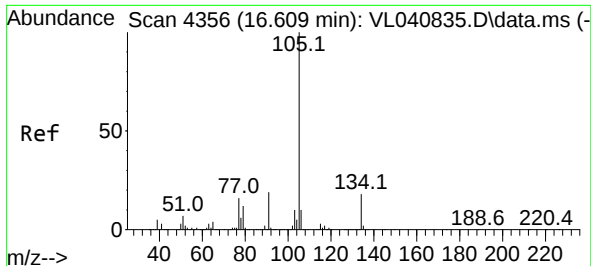
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#66
Benzyl Chloride
Concen: 6.809 ppbv
RT: 16.310 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

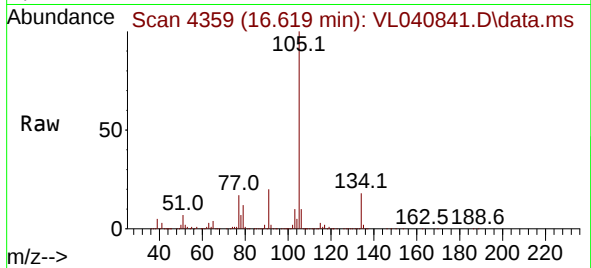
Tgt Ion: 91 Resp: 223617
Ion Ratio Lower Upper
91 100
126 16.8 12.8 19.2
128 5.8 0.3 0.5





#67
 sec-Butylbenzene
 Concen: 13.382 ppbv
 RT: 16.619 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36

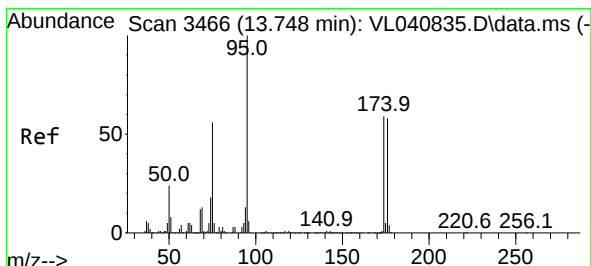
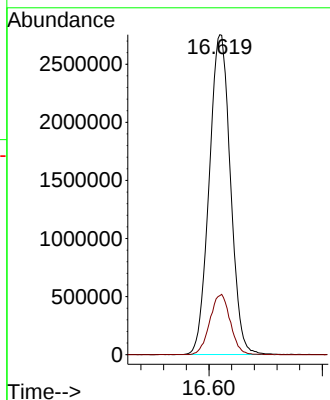
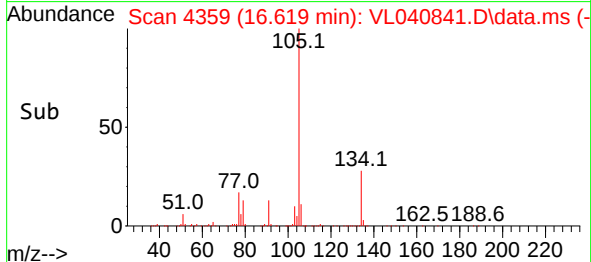
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



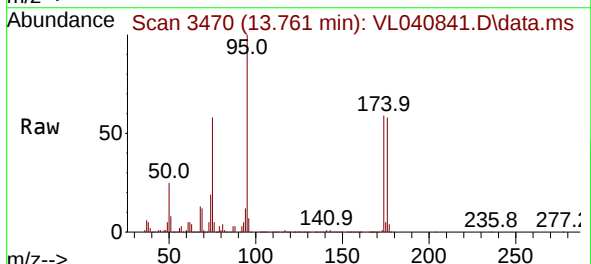
Tgt Ion:105 Resp: 715737
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.3 21.5

Manual Integrations
 APPROVED

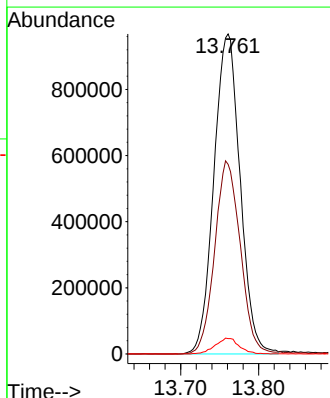
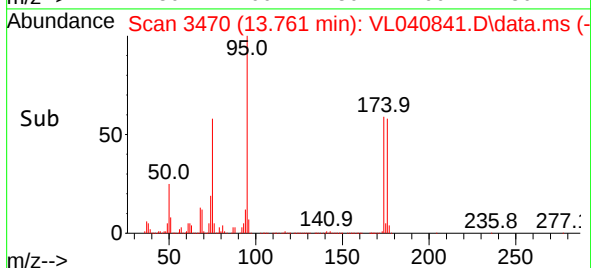
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

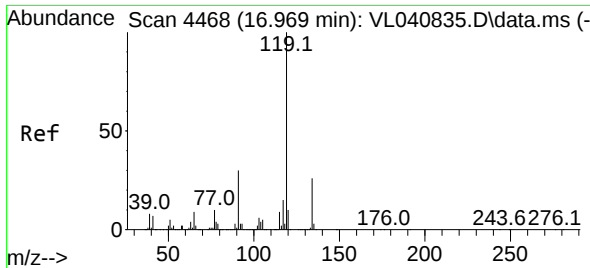


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.690 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. 0.013 min
 Lab File: VL040841.D
 Acq: 13 Nov 2023 14:36



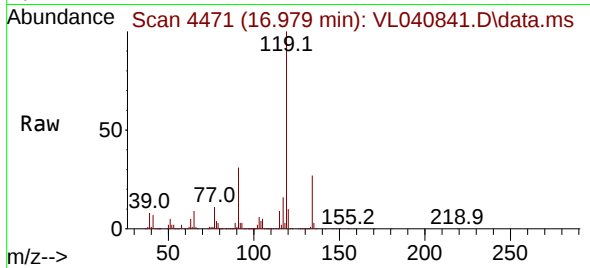
Tgt Ion: 95 Resp: 2262487
 Ion Ratio Lower Upper
 95 100
 174 59.5 47.9 71.9
 175 4.6 3.6 5.4





#69
p-Isopropyltoluene
Concen: 13.140 ppbv
RT: 16.979 min Scan# 4468
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

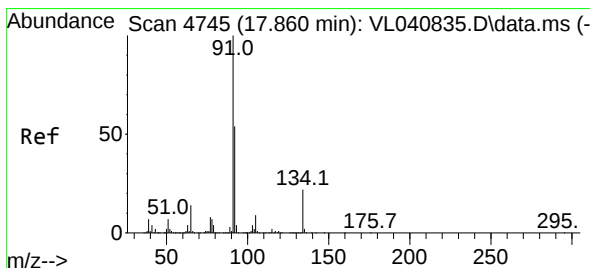
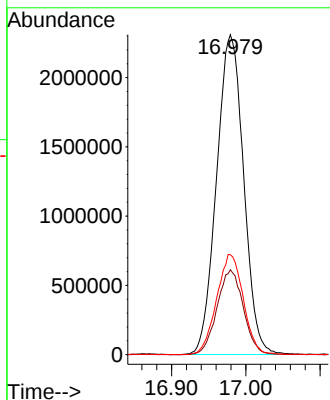
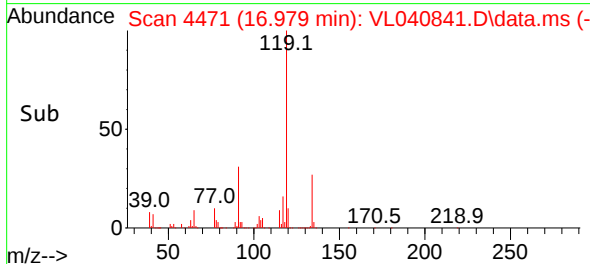
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



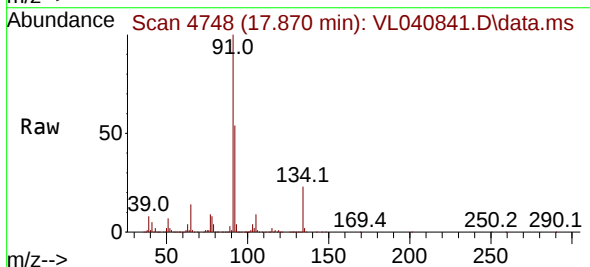
Tgt Ion:119 Resp: 584656
Ion Ratio Lower Upper
119 100
134 25.8 20.4 30.6
91 30.9 24.7 37.1

Manual Integrations
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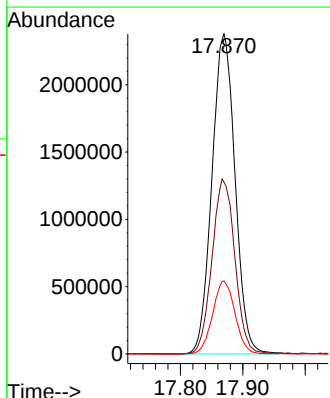
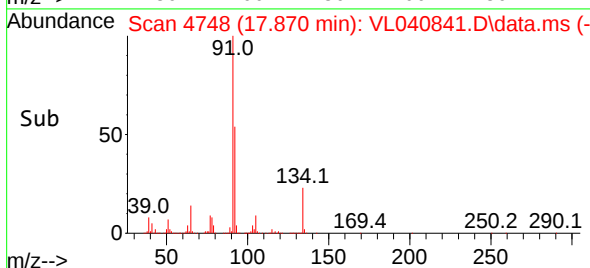
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

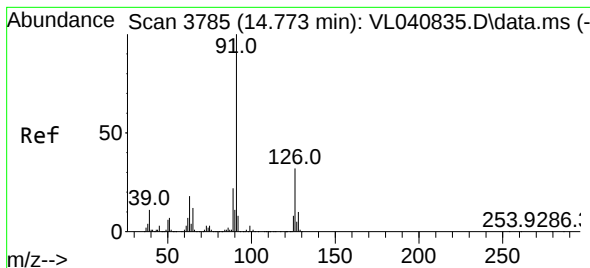


#70
n-Butylbenzene
Concen: 13.884 ppbv
RT: 17.870 min Scan# 4748
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



Tgt Ion: 91 Resp: 6120870
Ion Ratio Lower Upper
91 100
92 54.1 43.4 65.2
134 22.1 17.4 26.0





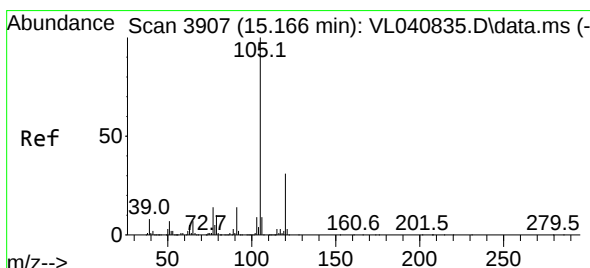
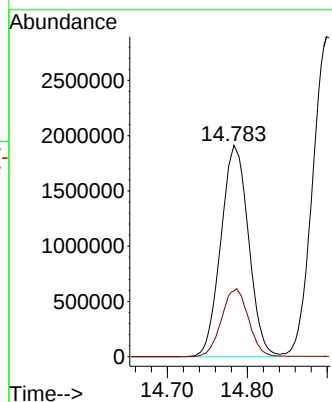
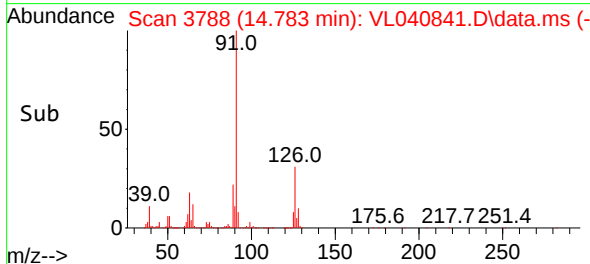
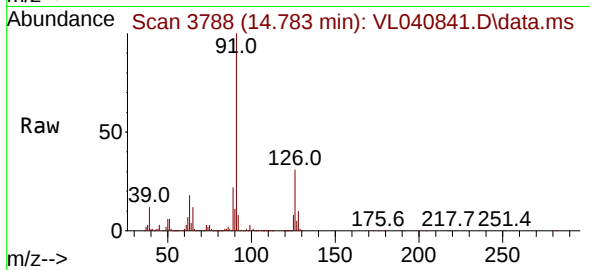
#71
2-Chlorotoluene
Concen: 14.028 ppbv
RT: 14.783 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 459232
Ion Ratio Lower Upper
91 100
126 31.6 12.1 48.5

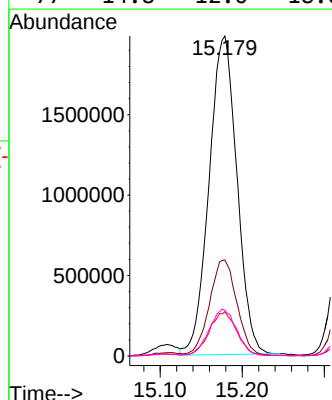
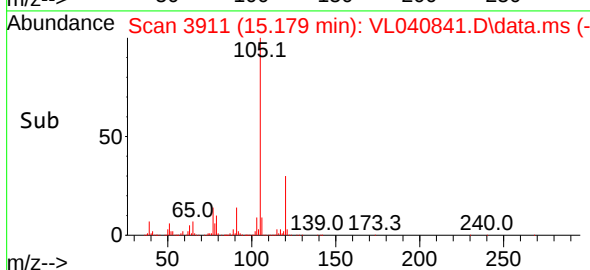
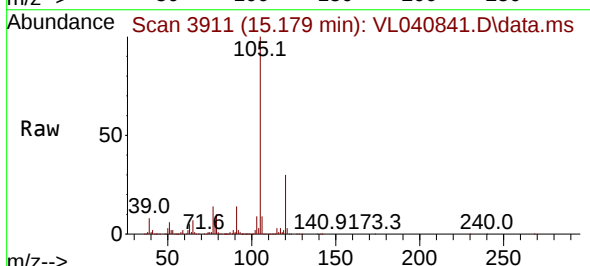
Manual Integrations
APPROVED

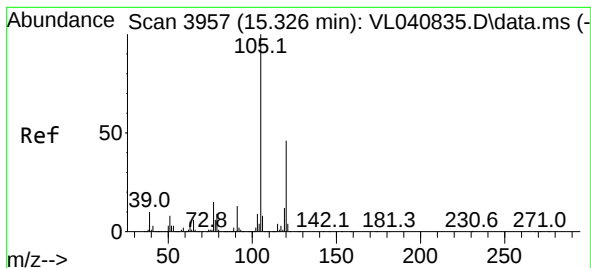
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#72
4-Ethyltoluene
Concen: 14.241 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Tgt Ion:105 Resp: 4680921
Ion Ratio Lower Upper
105 100
120 31.0 24.5 36.7
91 13.6 11.4 17.2
77 14.8 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 13.919 ppbv

RT: 15.336 min Scan# 3957

Delta R.T. 0.010 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 402890

Ion Ratio Lower Upper

105 100

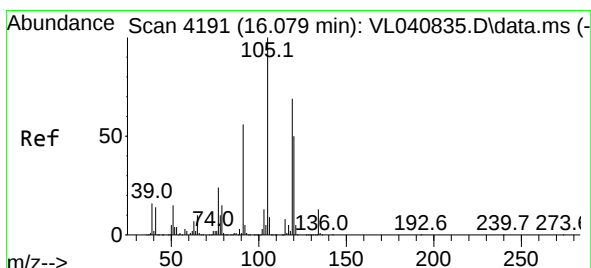
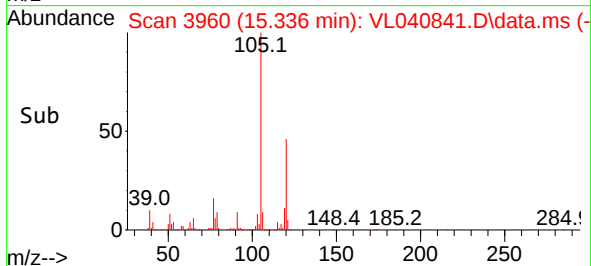
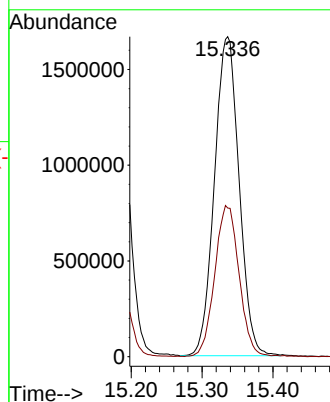
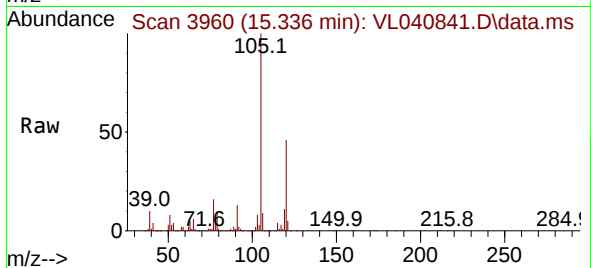
120 46.4 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#74

1,2,4-Trimethylbenzene

Concen: 13.779 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. 0.013 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Tgt Ion:105 Resp: 4374664

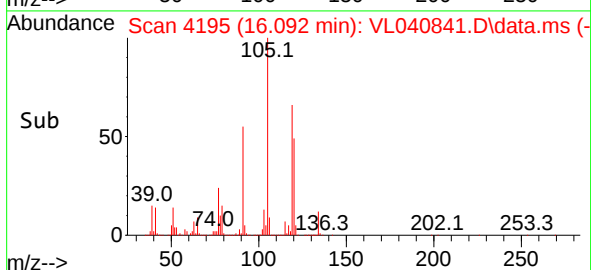
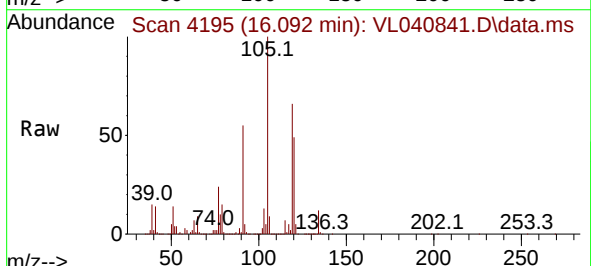
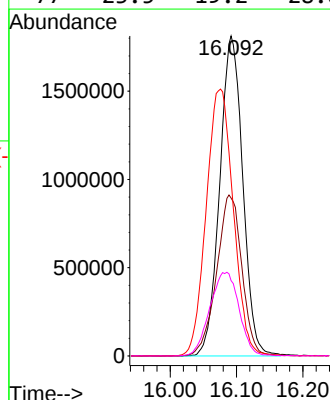
Ion Ratio Lower Upper

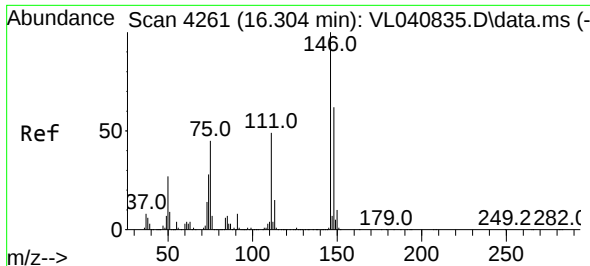
105 100

120 49.3 40.2 60.2

91 54.9 45.7 68.5

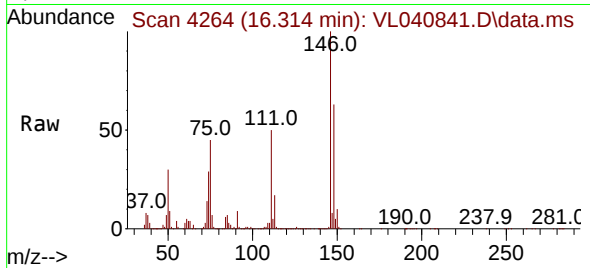
77 23.5 19.2 28.8





#75
1,3-Dichlorobenzene
Concen: 13.092 ppbv
RT: 16.314 min Scan# 4261
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

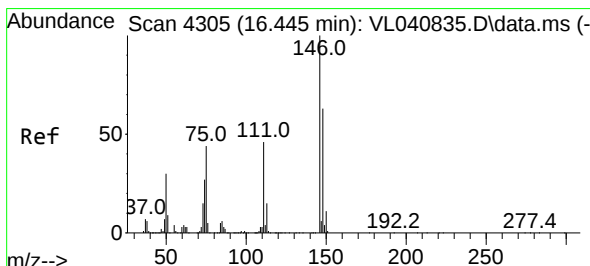
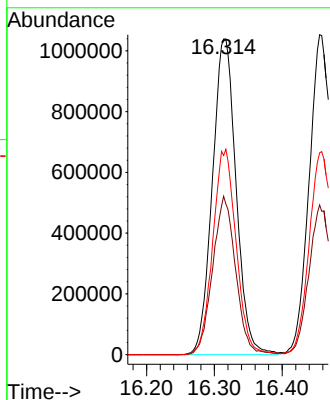
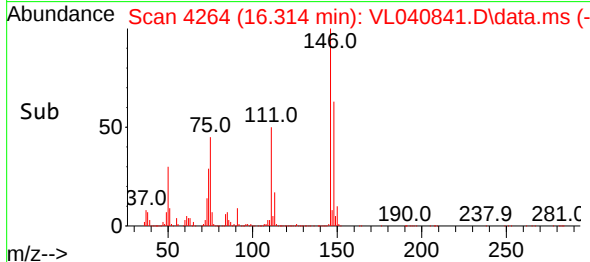
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



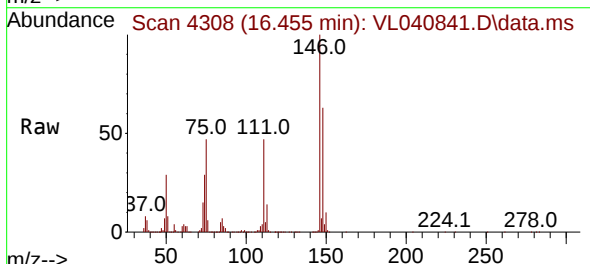
Tgt Ion:146 Resp: 2530152
Ion Ratio Lower Upper
146 100
111 48.6 24.9 74.8
148 64.2 32.0 96.2

Manual Integrations
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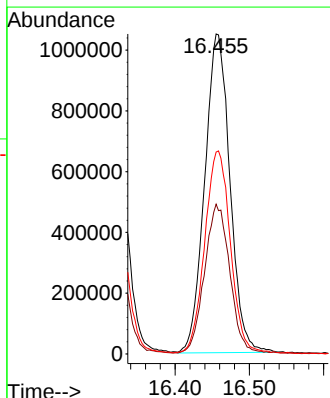
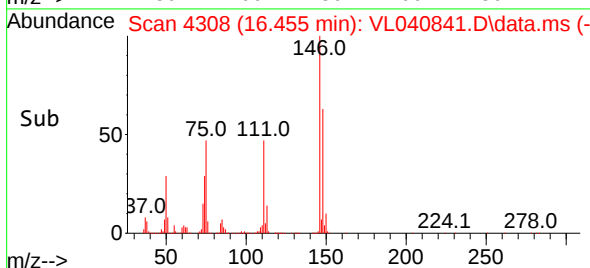
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

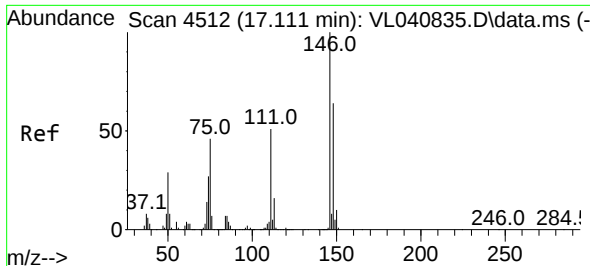


#76
1,4-Dichlorobenzene
Concen: 12.935 ppbv
RT: 16.455 min Scan# 4308
Delta R.T. 0.010 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



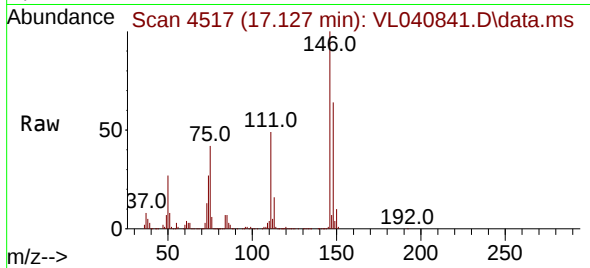
Tgt Ion:146 Resp: 2477796
Ion Ratio Lower Upper
146 100
111 47.5 24.4 73.2
148 65.1 32.4 97.0





#77
1,2-Dichlorobenzene
Concen: 12.780 ppbv
RT: 17.127 min Scan# 4517
Delta R.T. 0.016 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

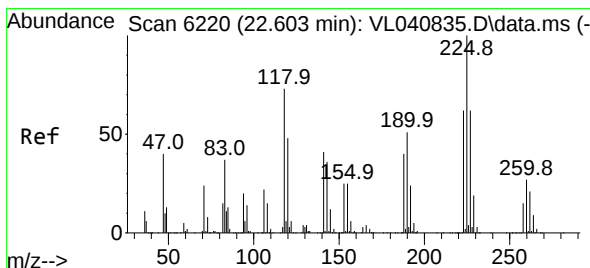
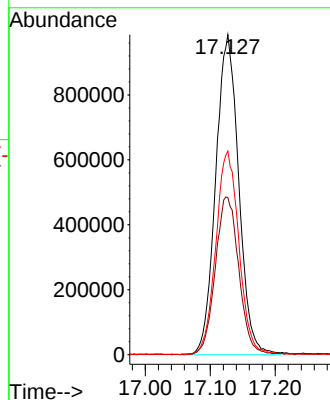
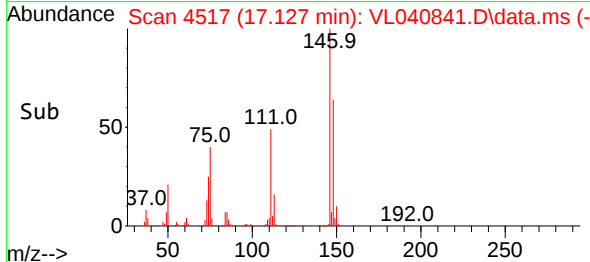
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



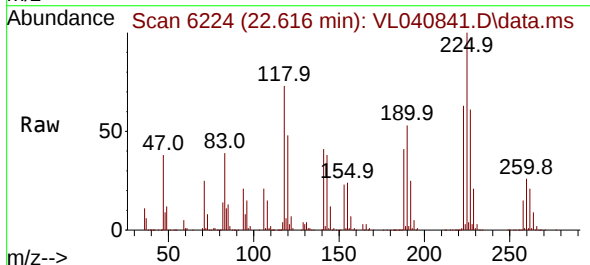
Tgt Ion:146 Resp: 2416800
Ion Ratio Lower Upper
146 100
111 50.6 25.6 76.6
148 63.9 31.9 95.9

Manual Integrations
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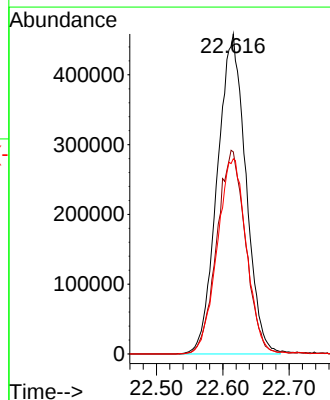
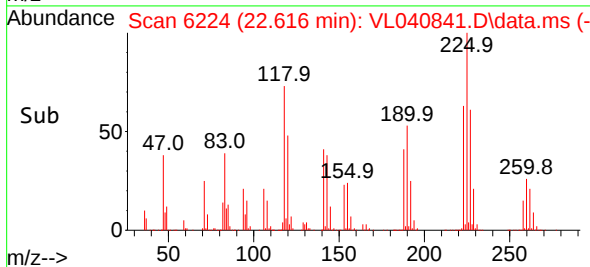
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

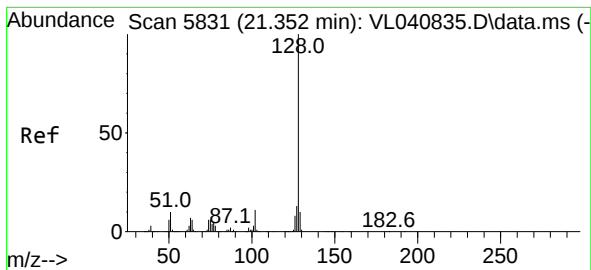


#78
Hexachloro-1,3-Butadiene
Concen: 10.237 ppbv
RT: 22.616 min Scan# 6224
Delta R.T. 0.013 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36



Tgt Ion:225 Resp: 1367108
Ion Ratio Lower Upper
225 100
223 64.5 51.2 76.8
227 63.1 51.0 76.4





#79

Naphthalene

Concen: 12.456 ppbv

RT: 21.362 min Scan# 5834

Delta R.T. 0.010 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:128 Resp: 3045270

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

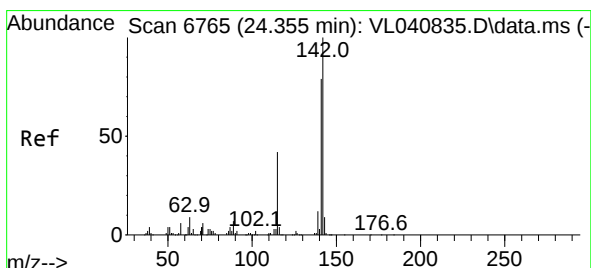
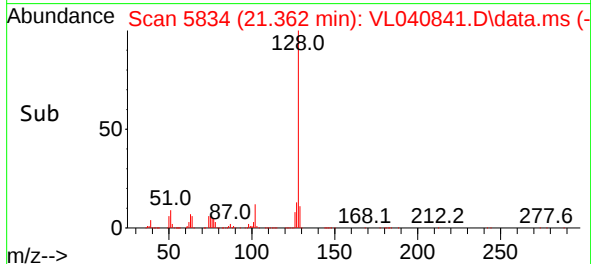
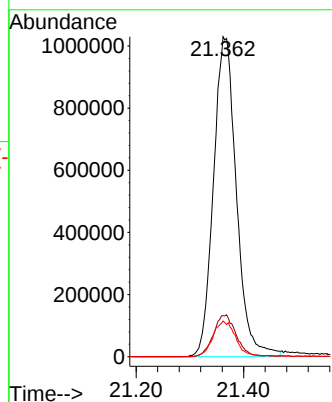
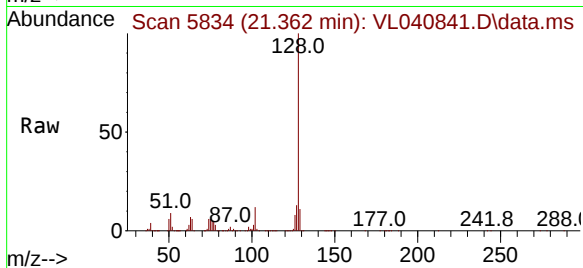
129 11.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#80

Naphthalene,2-methyl-

Concen: 8.490 ppbv

RT: 24.358 min Scan# 6766

Delta R.T. 0.003 min

Lab File: VL040841.D

Acq: 13 Nov 2023 14:36

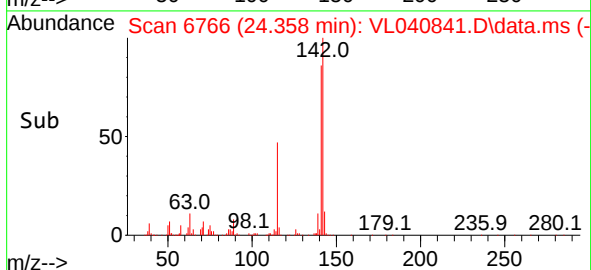
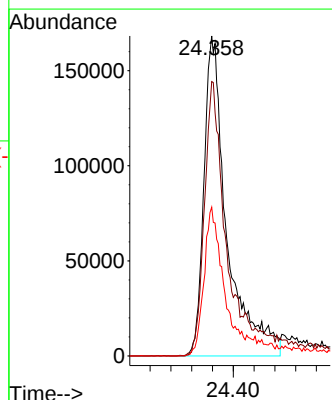
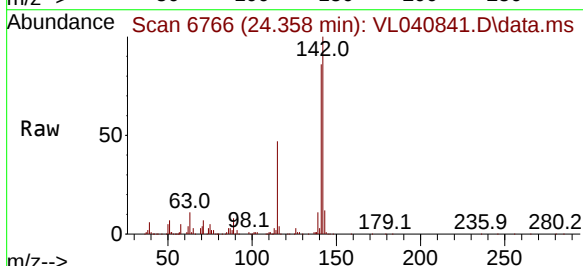
Tgt Ion:142 Resp: 519428

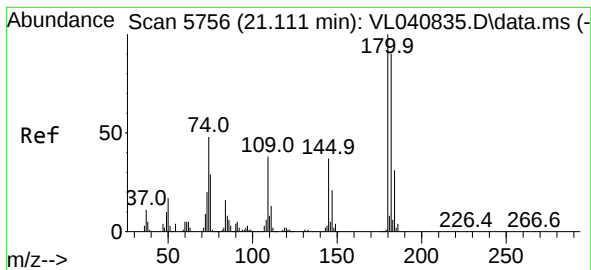
Ion Ratio Lower Upper

142 100

141 88.0 65.8 98.8

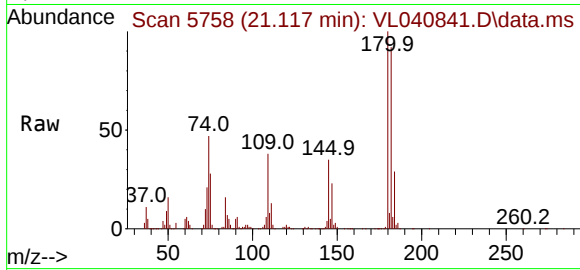
115 45.0 35.6 53.4





#81
1,2,4-Trichlorobenzene
Concen: 11.556 ppbv
RT: 21.117 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL040841.D
Acq: 13 Nov 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:180 Resp: 1533900
Ion Ratio Lower Upper
180 100
182 97.3 78.1 117.1
184 30.7 24.2 36.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

