

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111822\
 Data File : VL039902.D
 Acq On : 18 Nov 2022 12:34
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

Quant Time: Nov 18 13:59:35 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Fri Nov 18 11:56:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1223454	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3762765	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	3668805	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2741347 9.983 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	2072059	10.032	ppbv	97
3) Chlorodifluoromethane	2.658	51	2396942	16.434	ppbv	97
4) Chloromethane	2.796	50	1539688	16.954	ppbv	99
5) Vinyl Chloride	2.902	62	1332316	18.121	ppbv	98
6) Bromomethane	3.102	94	457756	17.453	ppbv	99
7) Chloroethane	3.179	64	501805	18.212	ppbv	98
8) Dichlorotetrafluoroethane	2.841	85	2785673	15.824	ppbv	99
9) Propene	2.674	41	1072147	14.108	ppbv	96
10) Heptane	7.574	43	2824281	15.514	ppbv	99
11) Trichlorofluoromethane	3.545	101	3211954	19.067	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	2437423	20.034	ppbv	97
13) Ethanol	3.224	45	78659m	14.645	ppbv	
14) Bromoethene	3.349	108	996378	18.289	ppbv	99
15) Acetone	3.452	43	2278788	15.302	ppbv	99
16) 1,3-Butadiene	2.967	39	1210523	17.479	ppbv	97
17) tert-Butyl alcohol	3.861	59	2679061	18.891	ppbv	100
18) 1,1-Dichloroethene	3.864	96	1108318	19.867	ppbv	98
19) Isopropyl Alcohol	3.558	45	1307710	17.742	ppbv	99
20) Methylene Chloride	3.918	84	921504	17.297	ppbv	97
21) Allyl Chloride	3.980	41	1741077	18.484	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	1161869	20.521	ppbv	98
23) Vinyl Acetate	4.613	43	1046314	17.636	ppbv	100
24) 1,1-Dichloroethane	4.552	63	2381451	19.652	ppbv	99
25) Ethyl Acetate	5.192	43	4349904	14.181	ppbv	99
26) Hexane	5.201	57	1874370	13.705	ppbv	100
27) Carbon Disulfide	4.111	76	2746222	19.122	ppbv	98
28) Methyl tert-Butyl Ether	4.571	73	2387550	19.286	ppbv	99
29) Chloroform	5.262	83	2789591	14.505	ppbv	99
30) Cyclohexane	6.594	84	1914462	16.739	ppbv	95
31) cis-1,2-Dichloroethene	5.066	61	1869394	14.990	ppbv	98
32) 1,1,1-Trichloroethane	5.992	97	3485330	18.205	ppbv	98
34) 2-Butanone	4.774	43	2719453	17.519	ppbv	98
35) Carbon Tetrachloride	6.484	117	3538240	16.132	ppbv	98
36) Benzene	6.362	78	4596729	14.482	ppbv	98
37) 1,2-Dichloroethane	5.796	62	2683246	17.620	ppbv	100
38) Trichloroethene	7.285	130	2581018	15.192	ppbv	98
39) 1,2-Dichloropropane	7.066	63	1786391	14.445	ppbv	97
40) 1,4-Dioxane	7.278	88	747724	15.789	ppbv	83
41) Tetrahydrofuran	5.545	42	1802718	13.896	ppbv	96
42) Bromodichloromethane	7.243	83	3799372	15.620	ppbv	99
43) Methyl Methacrylate	7.471	69	1912708	15.248	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	7324233	13.671	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	2009829	16.726	ppbv	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

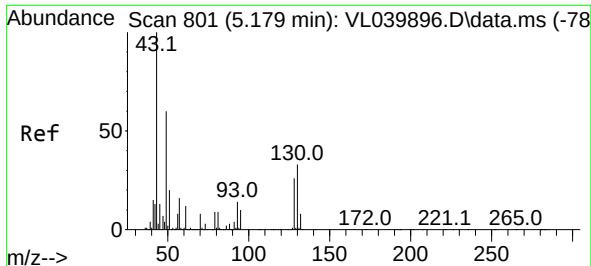
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Fri Nov 18 11:56:26 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	2577741	15.717	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	1887084	15.069	ppbv	98
48) Dibromochloromethane	9.712	129	3232170	15.148	ppbv	99
49) Bromoform	12.416	173	2676854	15.608	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	4723701	14.864	ppbv	100
51) 2-Hexanone	9.548	43	3786131	15.279	ppbv #	100
52) Tetrachloroethene	10.616	164	1676311	14.097	ppbv	97
53) Toluene	9.220	91	5237393	14.383	ppbv	100
54) 1,2-Dibromoethane	10.011	107	2232525	16.064	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	2277736	14.521	ppbv #	93
57) Chlorobenzene	11.529	112	3993426	14.350	ppbv	99
58) Ethyl Benzene	12.092	91	6916378	13.943	ppbv	98
59) m/p-Xylene	12.378	91	11493923m	27.757	ppbv	
60) o-Xylene	13.066	91	5551286	14.150	ppbv	99
61) Styrene	12.905	104	3579098	14.826	ppbv	99
62) Isopropylbenzene	14.040	105	7885262	13.779	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	1930810	13.216	ppbv	99
64) n-propylbenzene	14.928	120	2177358	14.223	ppbv	94
65) tert-Butylbenzene	16.104	119	6881361	13.695	ppbv	100
66) Benzyl Chloride	16.339	91	734599	12.574	ppbv	99
67) sec-Butylbenzene	16.651	105	9319494	13.625	ppbv	99
69) p-Isopropyltoluene	17.008	119	7799916	13.748	ppbv	99
70) n-Butylbenzene	17.902	91	7830806	14.277	ppbv	99
71) 2-Chlorotoluene	14.809	91	6078135	14.135	ppbv	99
72) 4-Ethyltoluene	15.204	105	6500647	14.715	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	5819693	14.861	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	6060100	14.565	ppbv #	92
75) 1,3-Dichlorobenzene	16.346	146	3593362	14.791	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	3519463	14.763	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	3390646	14.805	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	2104210	12.401	ppbv	100
79) Naphthalene	21.403	128	4236727	14.006	ppbv	99
80) Naphthalene,2-methyl-	24.394	142	1395347	10.880	ppbv	94
81) 1,2,4-Trichlorobenzene	21.159	180	2341441	13.838	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.182 min Scan# 80

Delta R.T. 0.003 min

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Tgt Ion: 49 Resp: 122345

Ion Ratio Lower Upper

49 100

128 45.1 22.1 66.3

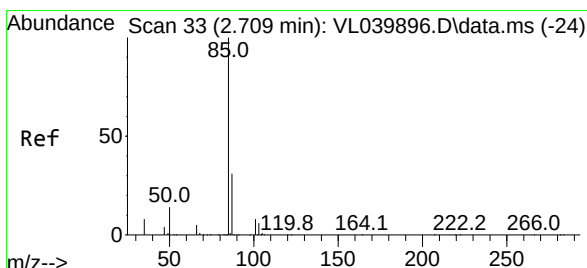
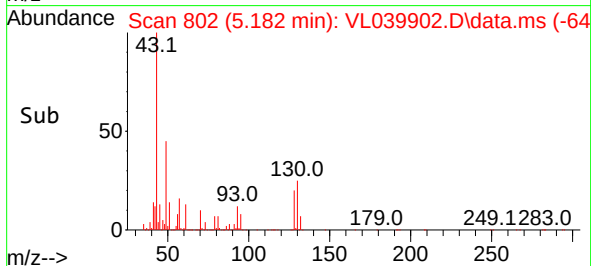
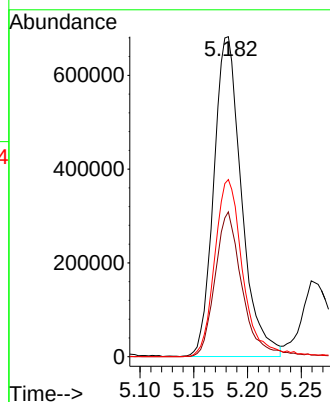
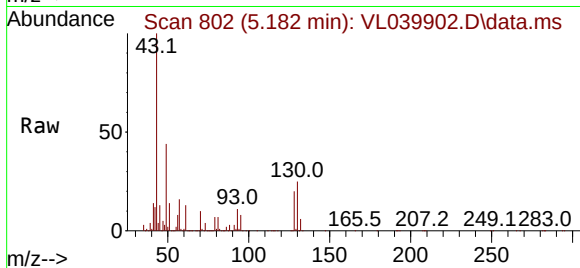
130 56.9 27.7 83.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#2

Dichlorodifluoromethane

Concen: 10.032 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL039902.D

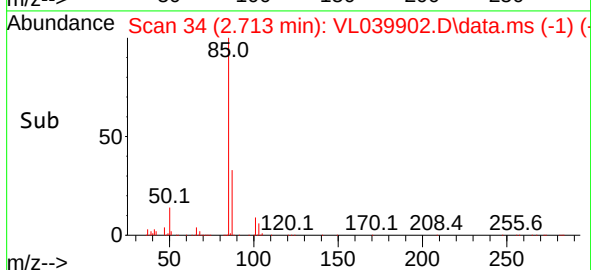
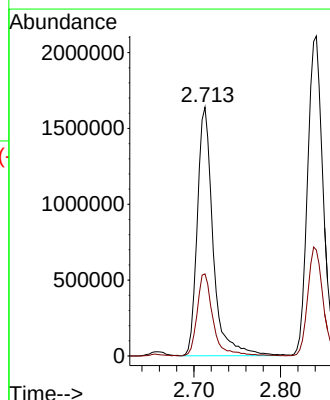
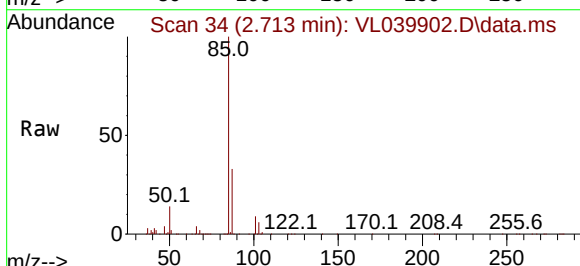
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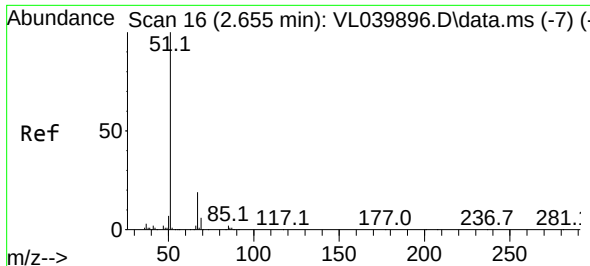
Tgt Ion: 85 Resp: 2072059

Ion Ratio Lower Upper

85 100

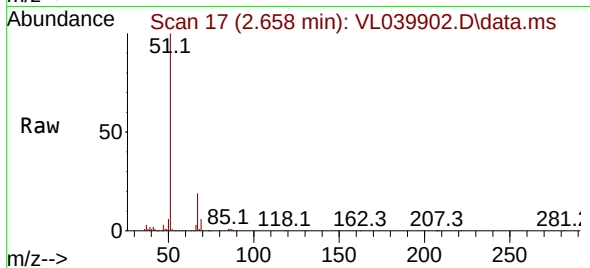
87 33.0 25.0 37.4





#3
Chlorodifluoromethane
Concen: 16.434 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

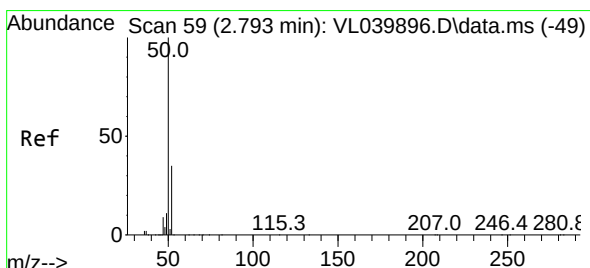
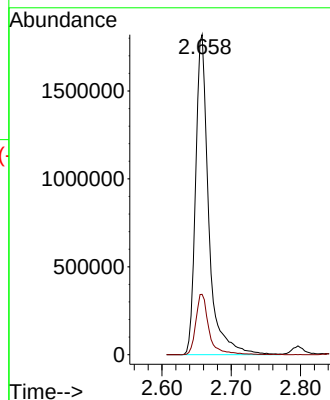
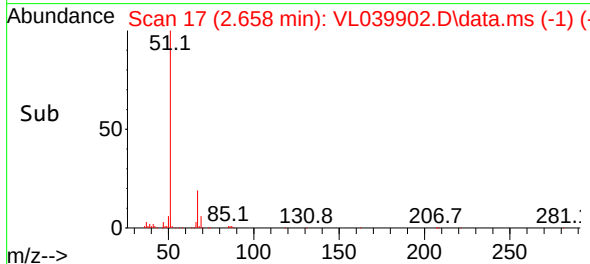
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



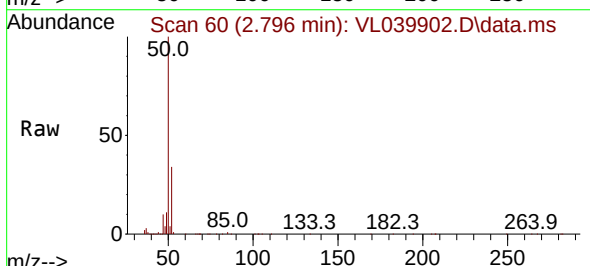
Tgt Ion: 51 Resp: 239694
Ion Ratio Lower Upper
51 100
67 19.0 14.2 21.4

Manual Integrations
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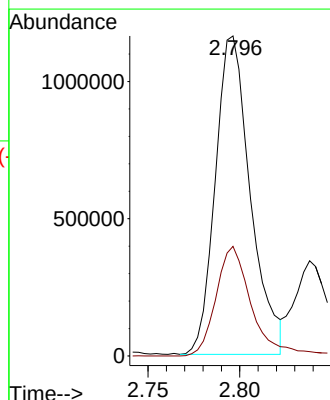
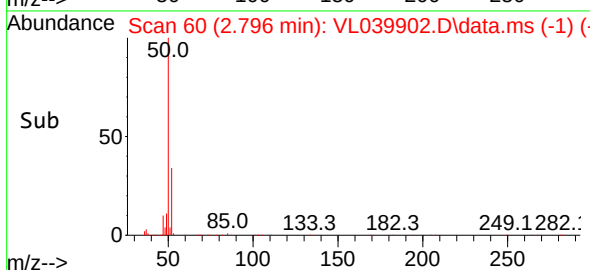
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

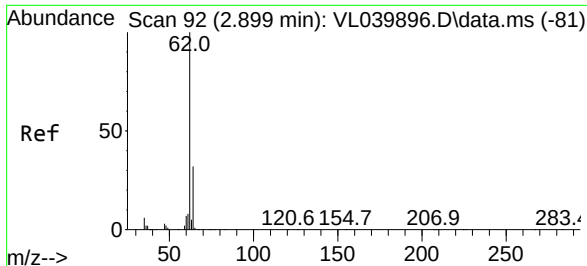


#4
Chloromethane
Concen: 16.954 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



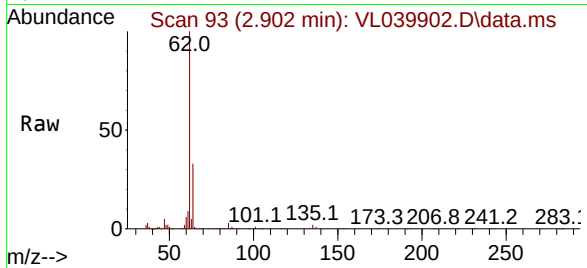
Tgt Ion: 50 Resp: 1539688
Ion Ratio Lower Upper
50 100
52 34.4 27.8 41.8





#5
 Vinyl Chloride
 Concen: 18.121 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

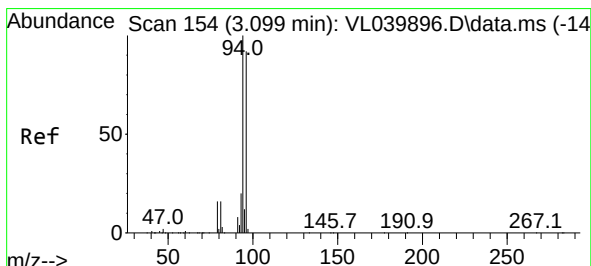
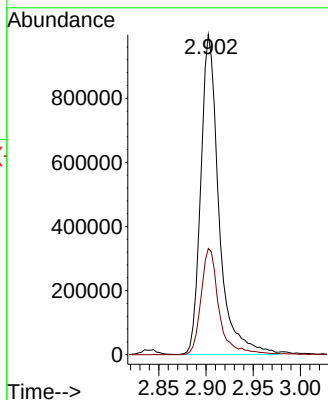
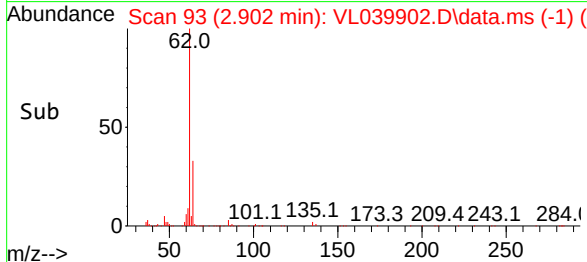
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



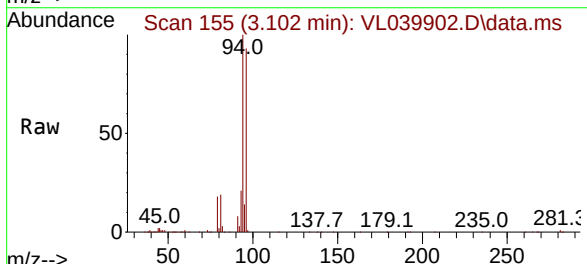
Tgt Ion: 62 Resp: 1332310
 Ion Ratio Lower Upper
 62 100
 64 33.2 25.7 38.5

Manual Integrations
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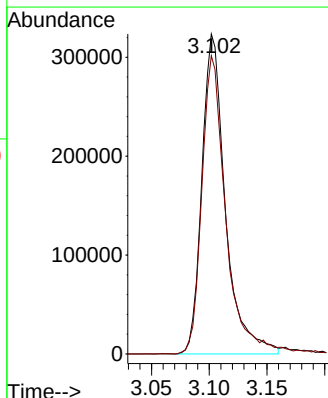
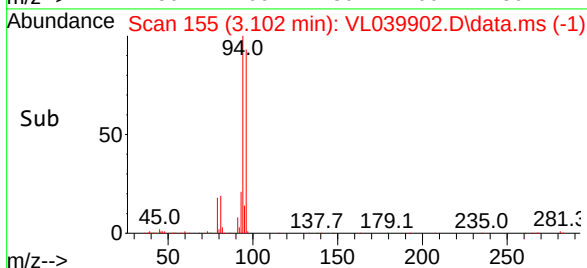
Reviewed By :Semsettin Yesilyurt 11/21/2022
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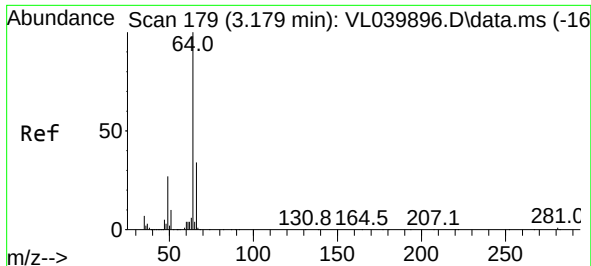


#6
 Bromomethane
 Concen: 17.453 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.003 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34



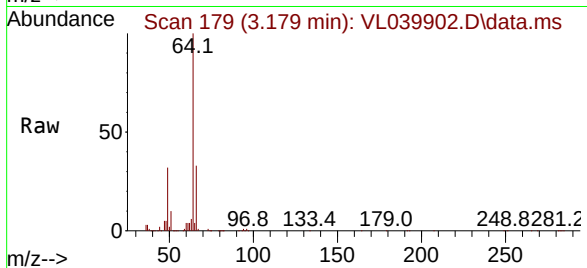
Tgt Ion: 94 Resp: 457756
 Ion Ratio Lower Upper
 94 100
 96 93.0 73.7 110.5





#7
Chloroethane
Concen: 18.212 ppbv
RT: 3.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

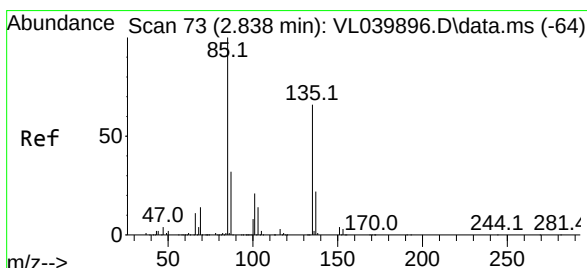
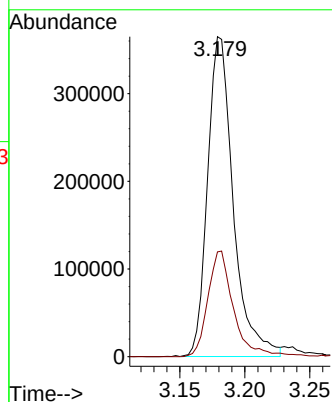
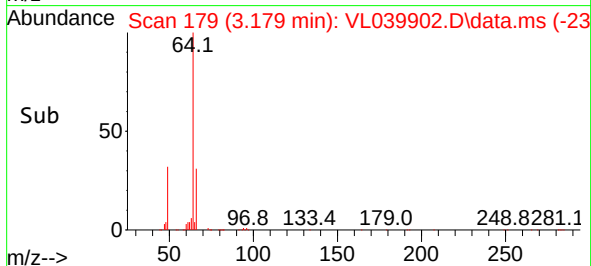
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 64 Resp: 50180
Ion Ratio Lower Upper
64 100
66 32.8 27.3 40.9

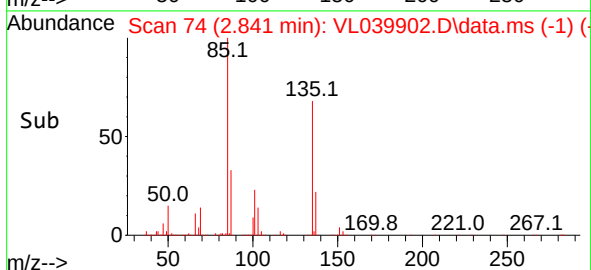
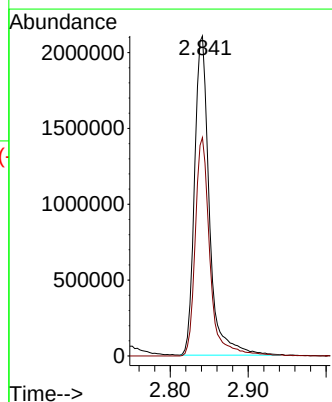
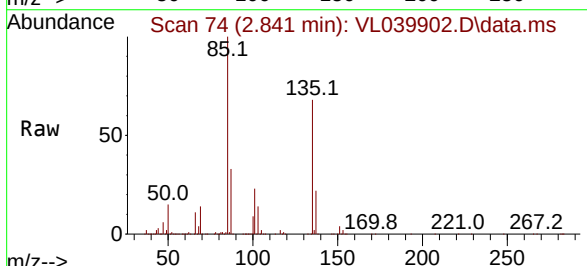
Manual Integrations
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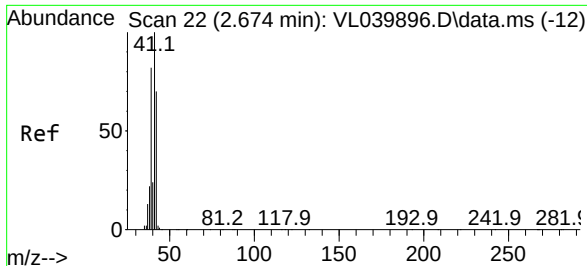
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#8
Dichlorotetrafluoroethane
Concen: 15.824 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Tgt Ion: 85 Resp: 2785673
Ion Ratio Lower Upper
85 100
135 68.1 54.1 81.1





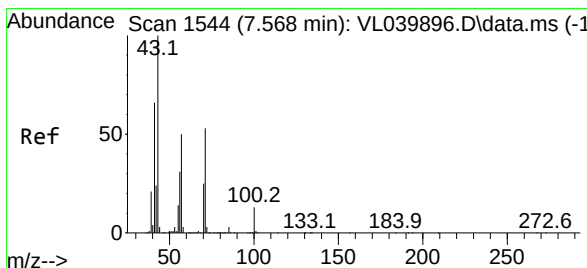
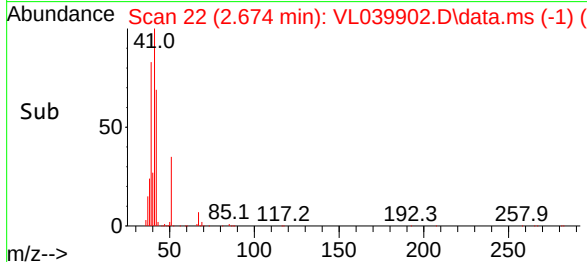
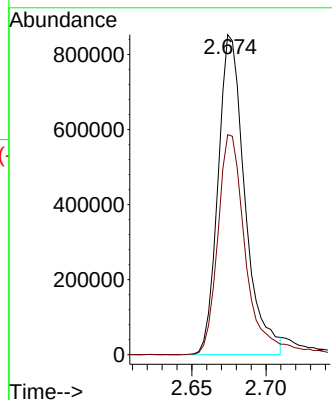
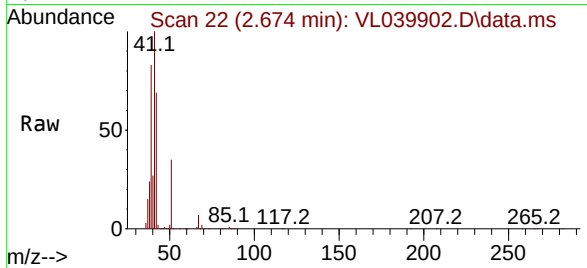
#9
 Propene
 Concen: 14.108 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 107214
 Ion Ratio Lower Upper
 41 100
 42 72.9 55.8 83.6

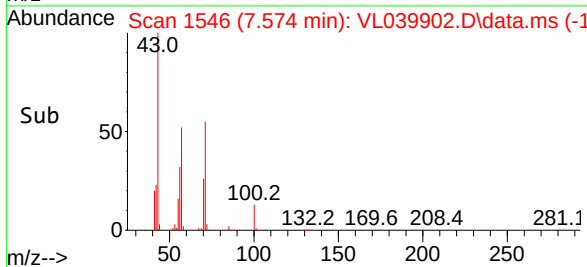
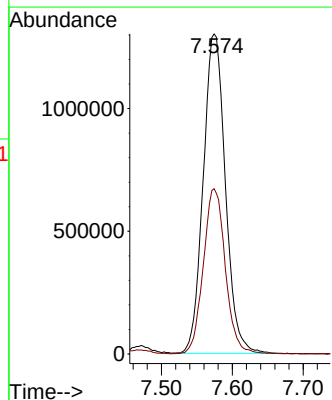
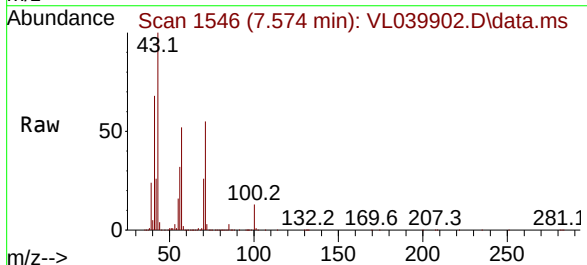
Manual Integrations
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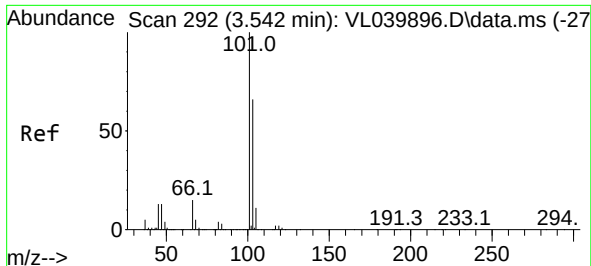
Reviewed By :Semsettin Yesilyurt 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022



#10
 Heptane
 Concen: 15.514 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. 0.006 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

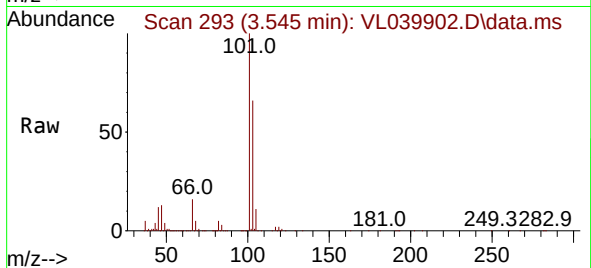
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 Ion Ratio Lower Upper
 43 100
 57 51.4 40.7 61.1





#11
 Trichlorofluoromethane
 Concen: 19.067 ppbv
 RT: 3.545 min Scan# 292
 Delta R.T. 0.003 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

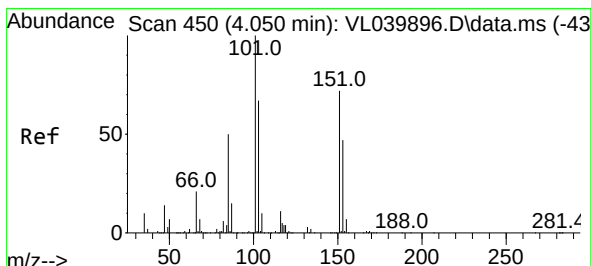
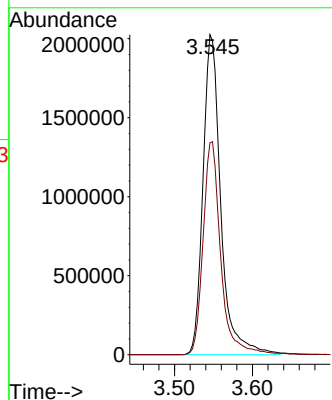
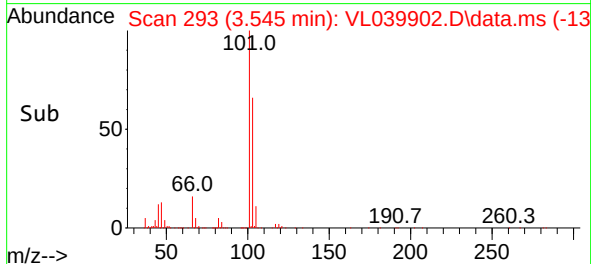
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



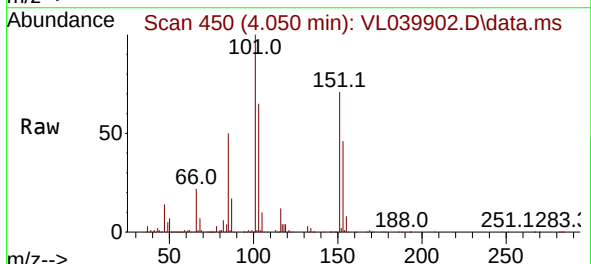
Tgt Ion:101 Resp: 3211954
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.6 78.8

Manual Integrations
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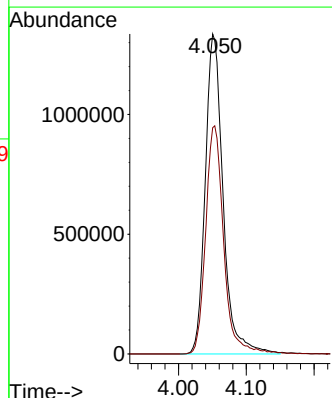
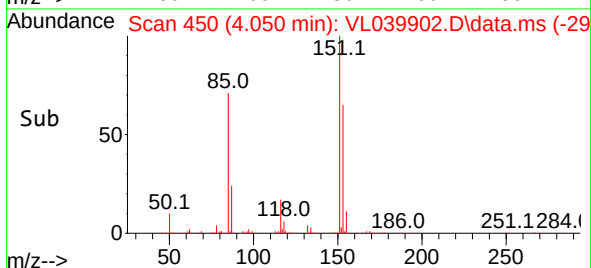
Reviewed By :Semsettin Yesilyurt 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

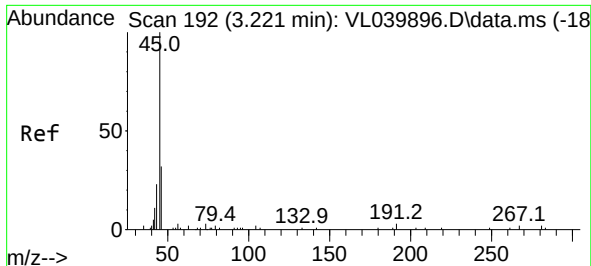


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.034 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. 0.000 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34



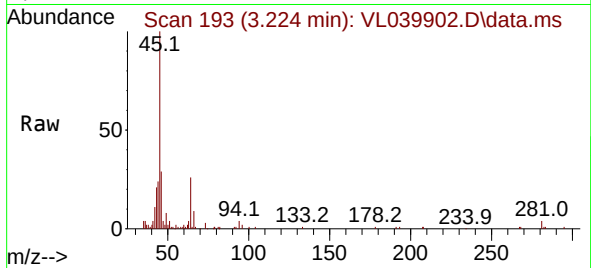
Tgt Ion:101 Resp: 2437423
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.6 89.4





#13
Ethanol
Concen: 14.645 ppbv m
RT: 3.224 min Scan# 192
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

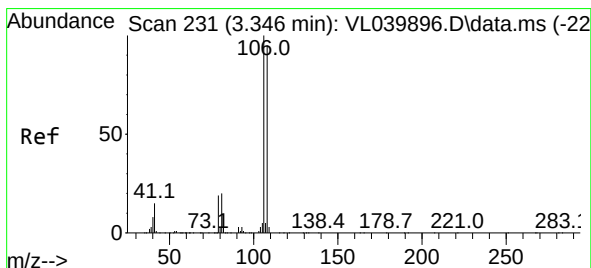
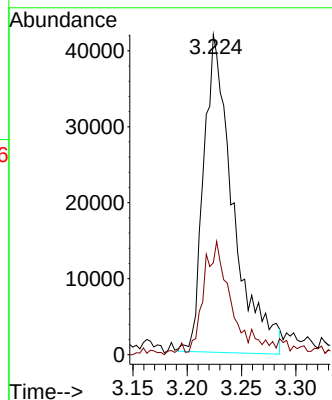
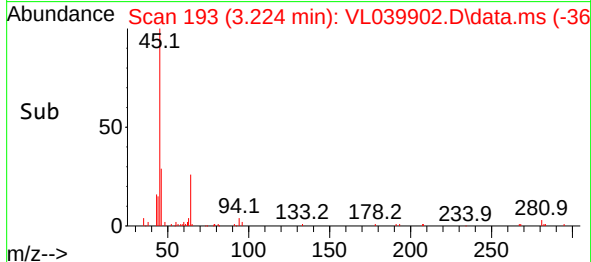
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



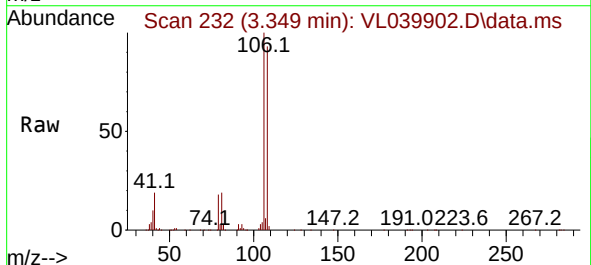
Tgt Ion: 45 Resp: 7865
Ion Ratio Lower Upper
45 100
46 39.6 14.6 58.2

Manual Integrations
APPROVED

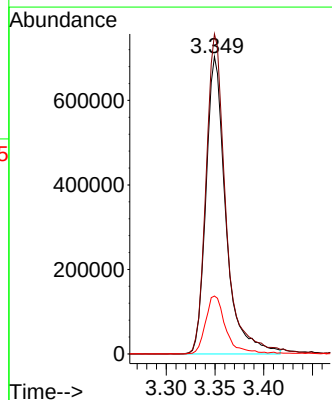
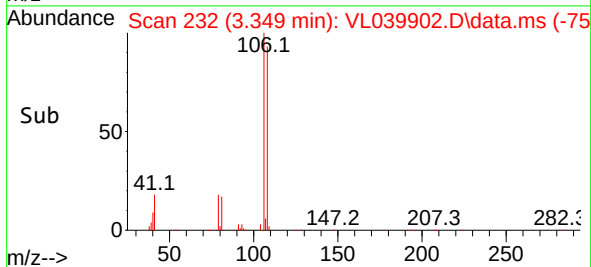
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

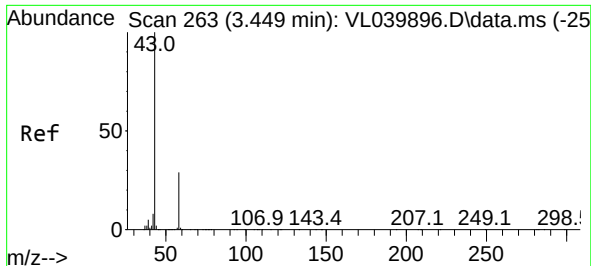


#14
Bromoethene
Concen: 18.289 ppbv
RT: 3.349 min Scan# 232
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



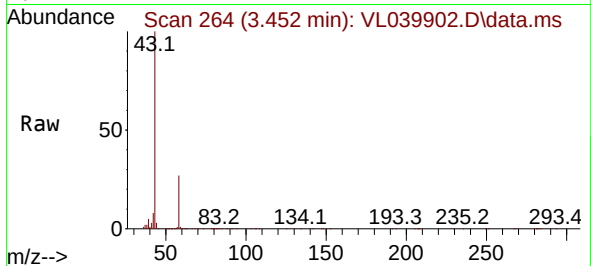
Tgt Ion:108 Resp: 996378
Ion Ratio Lower Upper
108 100
106 108.7 87.3 130.9
79 20.6 15.9 23.9





#15
Acetone
Concen: 15.302 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

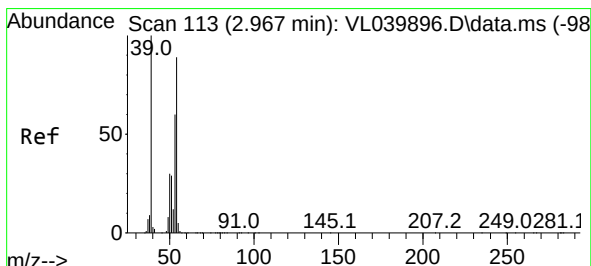
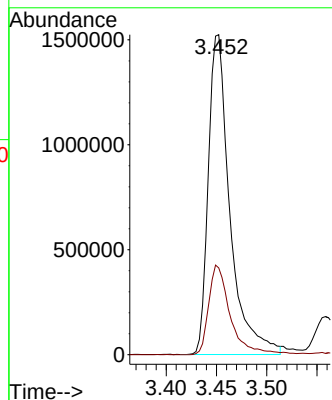
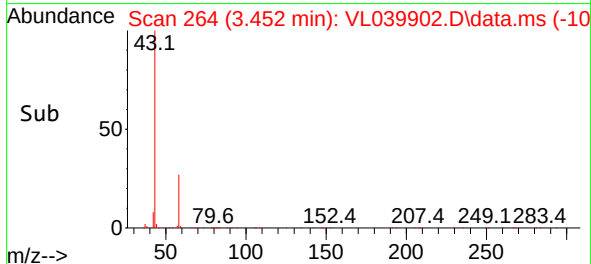
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



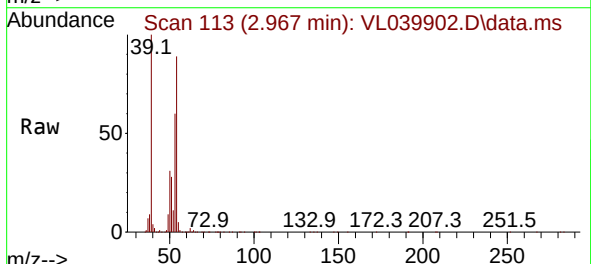
Tgt Ion: 43 Resp: 2278788
Ion Ratio Lower Upper
43 100
58 28.3 22.9 34.3

Manual Integrations
APPROVED

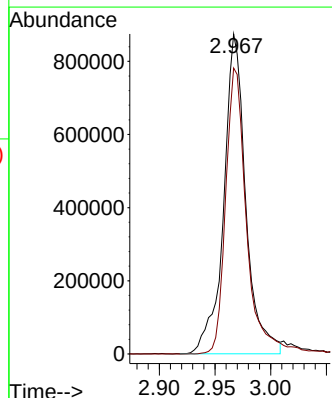
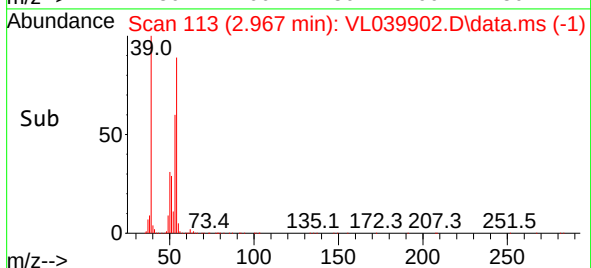
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

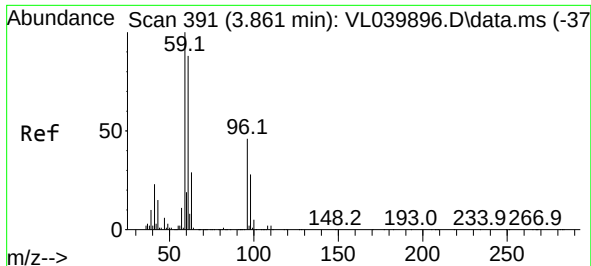


#16
1,3-Butadiene
Concen: 17.479 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.000 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



Tgt Ion: 39 Resp: 1210523
Ion Ratio Lower Upper
39 100
54 86.0 66.6 99.8





#17

tert-Butyl alcohol

Concen: 18.891 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 267906

Ion Ratio Lower Upper

59 100

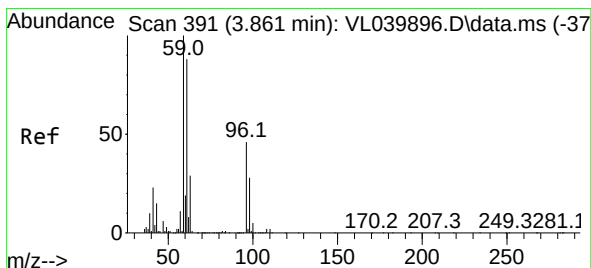
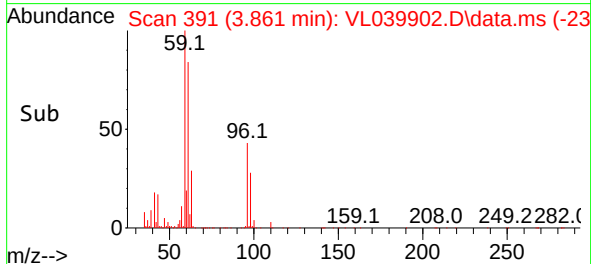
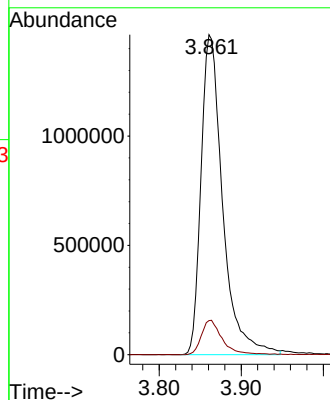
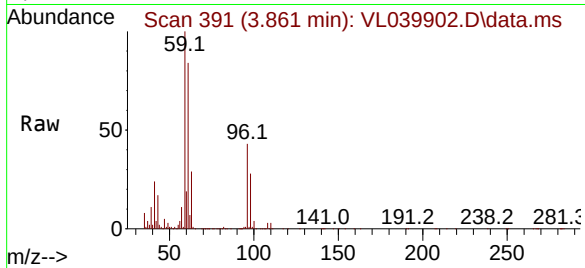
57 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#18

1,1-Dichloroethene

Concen: 19.867 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

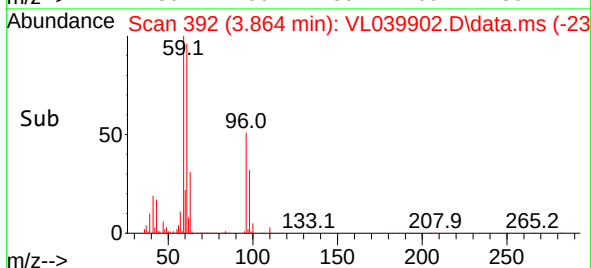
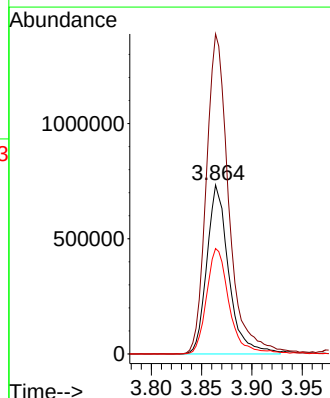
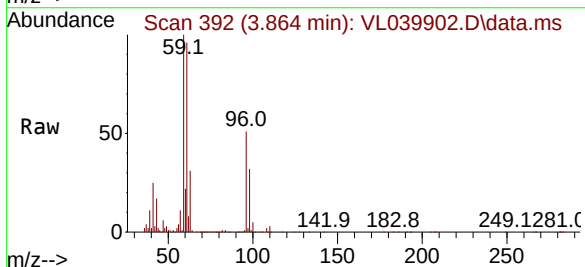
Tgt Ion: 96 Resp: 1108318

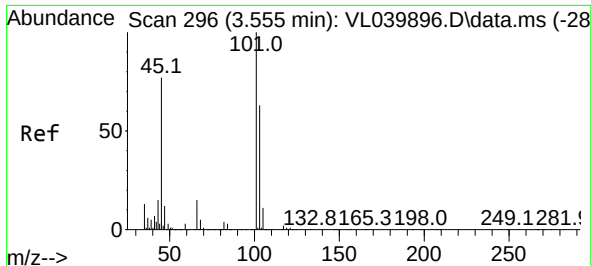
Ion Ratio Lower Upper

96 100

61 189.4 153.4 230.2

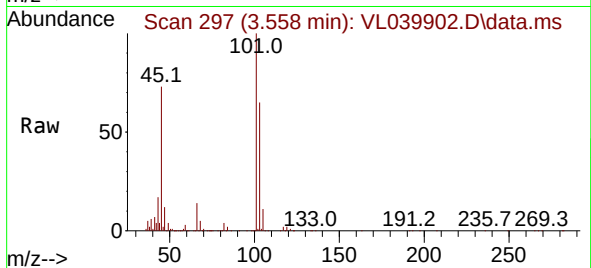
98 62.3 48.9 73.3





#19
Isopropyl Alcohol
Concen: 17.742 ppbv
RT: 3.558 min Scan# 296
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

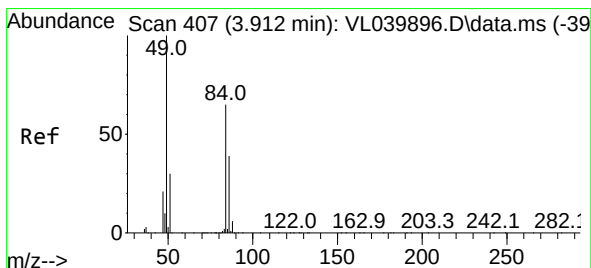
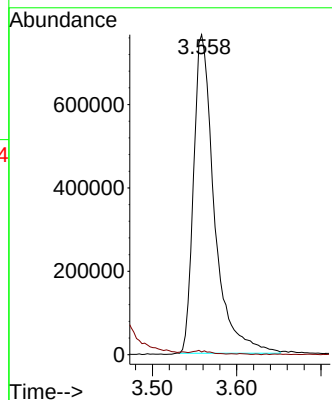
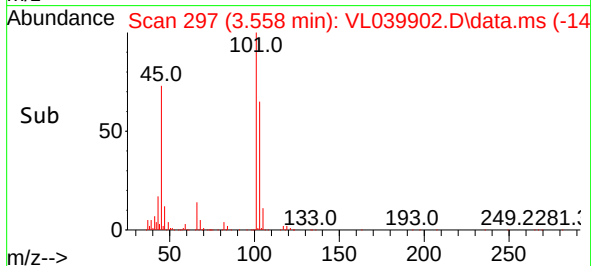
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



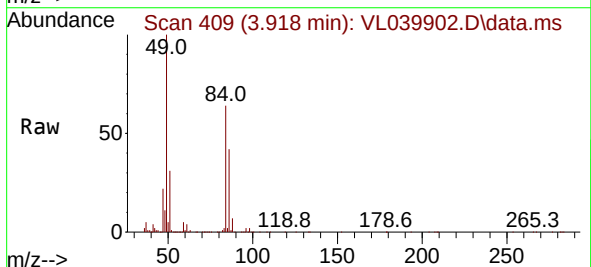
Tgt Ion: 45 Resp: 1307710
Ion Ratio Lower Upper
45 100
58 49.2 38.7 58.1

Manual Integrations
APPROVED

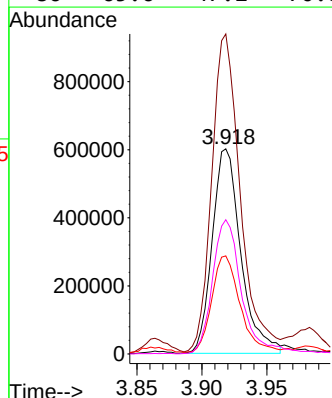
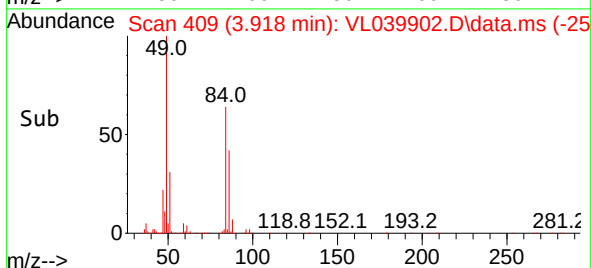
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

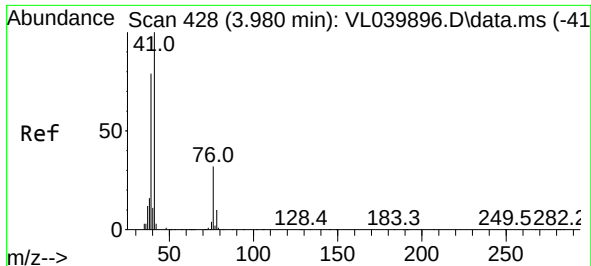


#20
Methylene Chloride
Concen: 17.297 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



Tgt Ion: 84 Resp: 921504
Ion Ratio Lower Upper
84 100
49 154.9 122.2 183.4
51 46.9 36.3 54.5
86 65.6 47.2 70.8





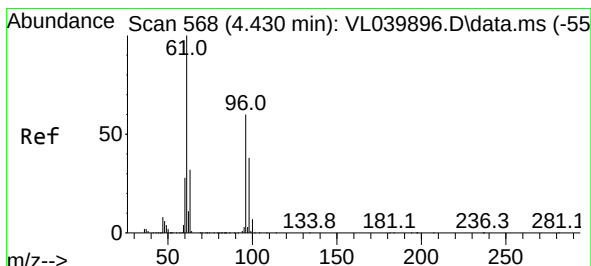
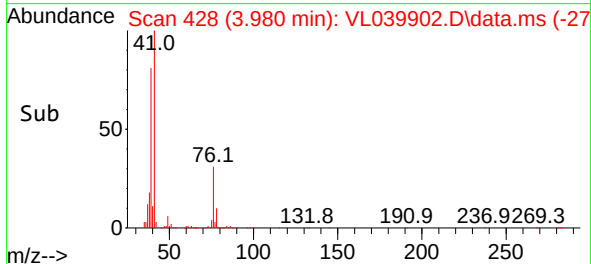
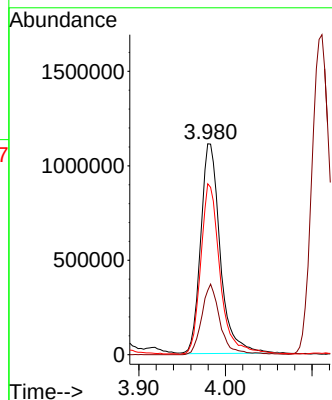
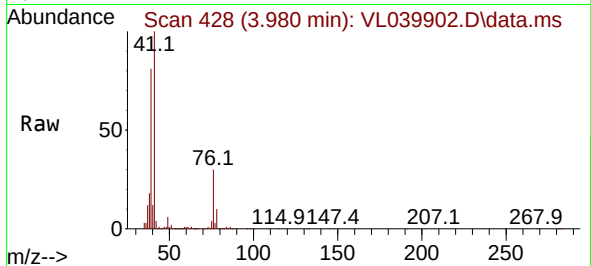
#21
 Allyl Chloride
 Concen: 18.484 ppbv
 RT: 3.980 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 174107
 Ion Ratio Lower Upper
 41 100
 76 31.9 25.6 38.4
 39 80.3 65.2 97.8

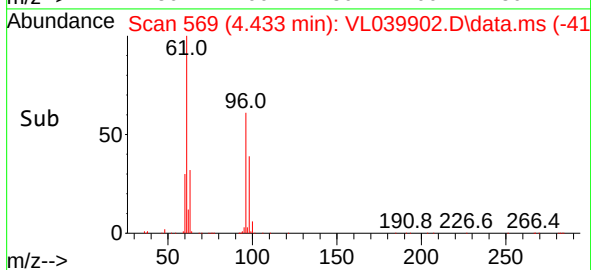
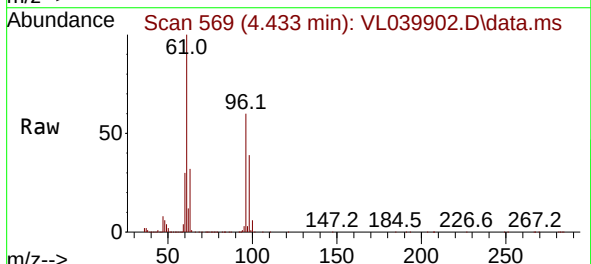
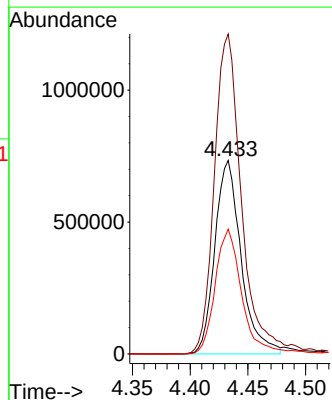
Manual Integrations
 APPROVED

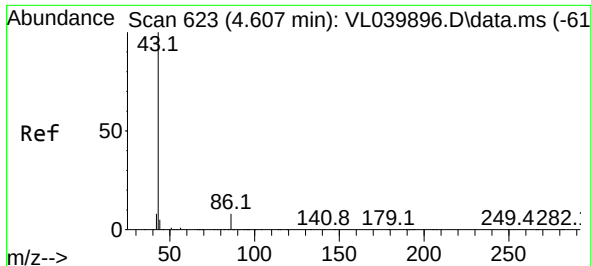
Reviewed By :Semsettin Yesilyurt 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022



#22
 trans-1,2-Dichloroethene
 Concen: 20.521 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.003 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

Tgt Ion: 96 Resp: 1161869
 Ion Ratio Lower Upper
 96 100
 61 165.4 134.1 201.1
 98 64.5 50.4 75.6





#23
 Vinyl Acetate
 Concen: 17.636 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

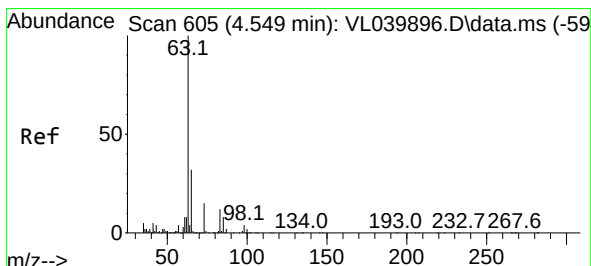
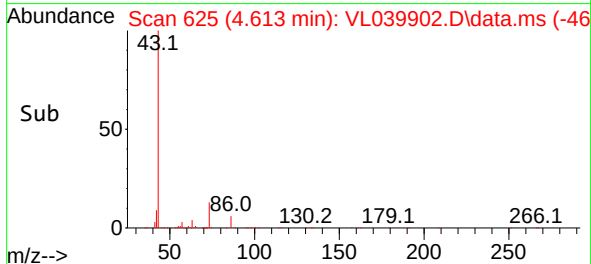
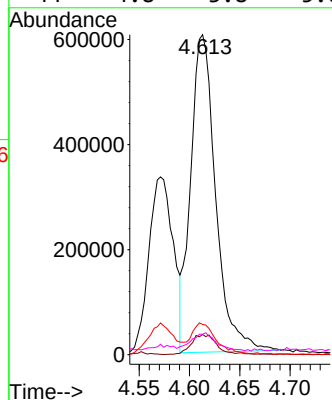
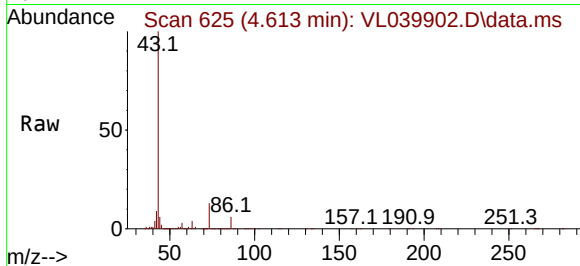
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 1046314

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.0	7.4
42	9.3	7.6	11.4
44	4.8	3.8	5.6

Manual Integrations
 APPROVED

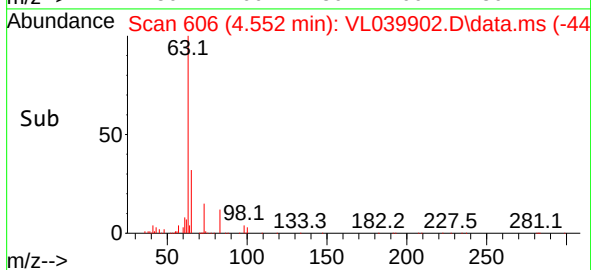
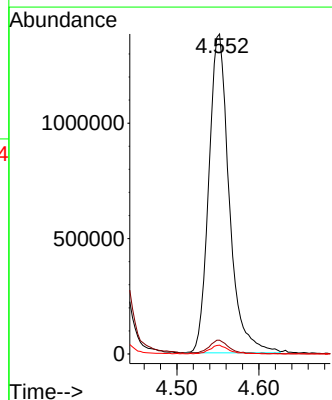
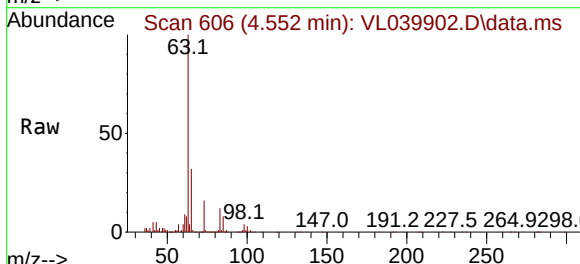
Reviewed By :Semsettin Yesilyurt 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

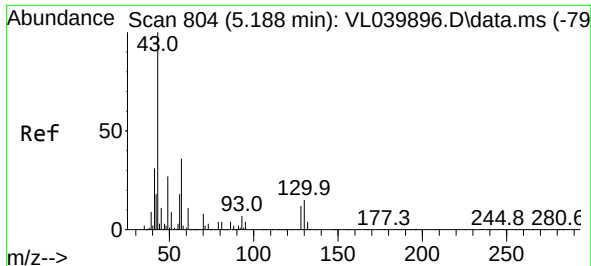


#24
 1,1-Dichloroethane
 Concen: 19.652 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

Tgt Ion: 63 Resp: 2381451

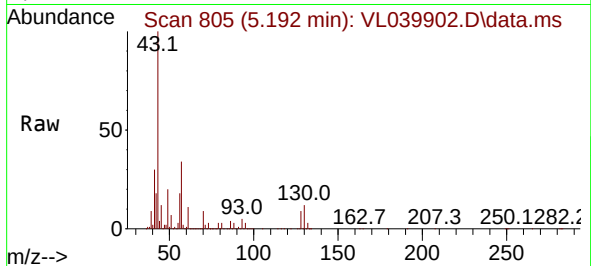
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.7	1.1	3.5





#25
Ethyl Acetate
Concen: 14.181 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

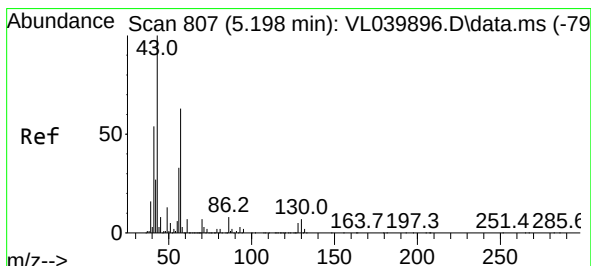
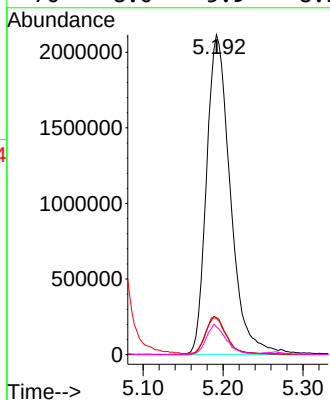
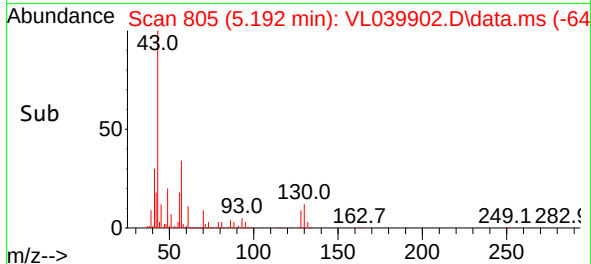
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



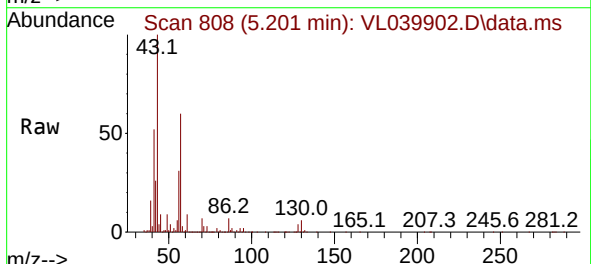
Tgt Ion: 43 Resp: 4349904
Ion Ratio Lower Upper
43 100
45 10.8 8.4 12.6
61 10.7 8.5 12.7
70 8.0 5.9 8.9

Manual Integrations
APPROVED

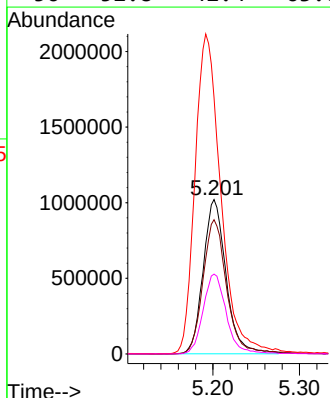
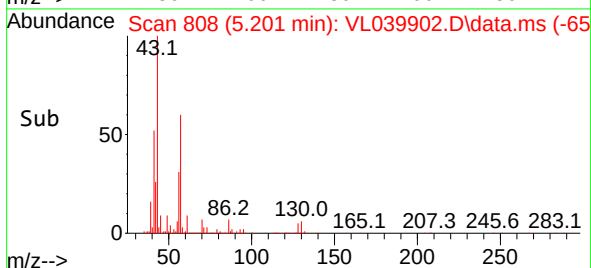
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

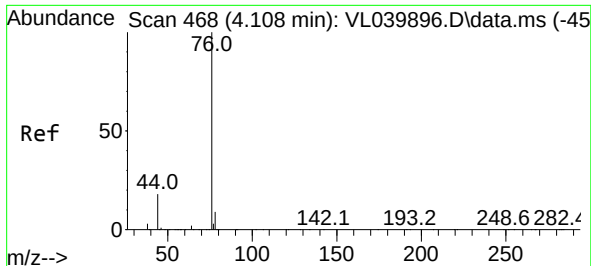


#26
Hexane
Concen: 13.705 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



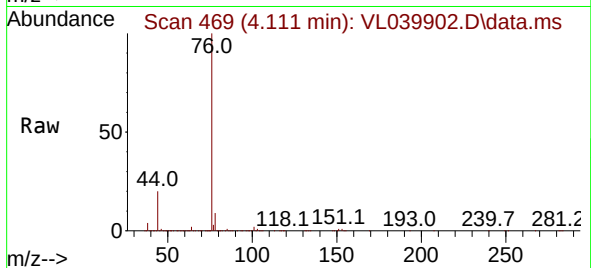
Tgt Ion: 57 Resp: 1874370
Ion Ratio Lower Upper
57 100
41 90.1 72.3 108.5
43 235.1 188.7 283.1
56 52.8 42.4 63.6





#27
Carbon Disulfide
Concen: 19.122 ppbv
RT: 4.111 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

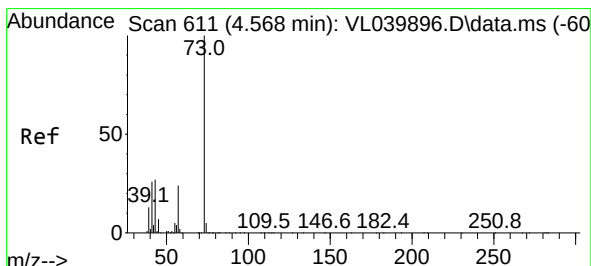
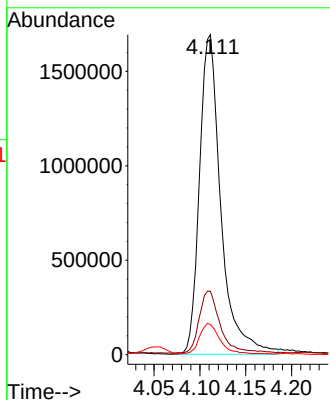
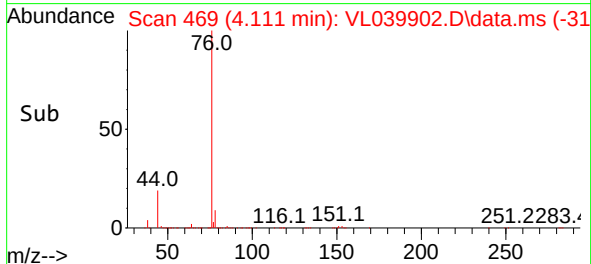
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



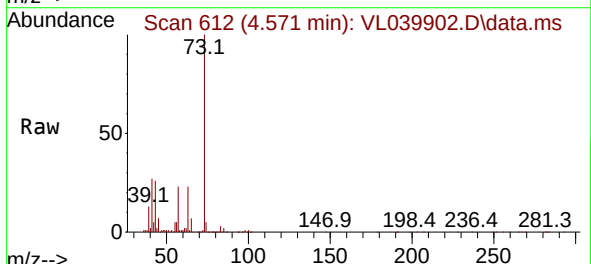
Tgt Ion: 76 Resp: 274622
Ion Ratio Lower Upper
76 100
44 19.4 14.7 22.1
78 9.7 7.8 11.8

Manual Integrations
APPROVED

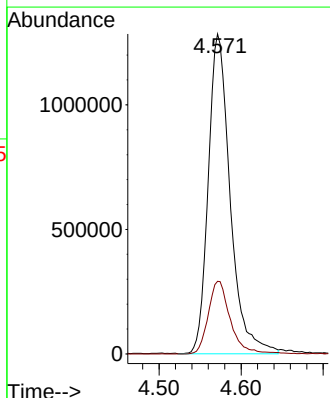
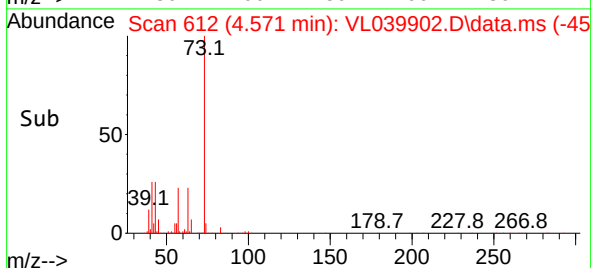
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

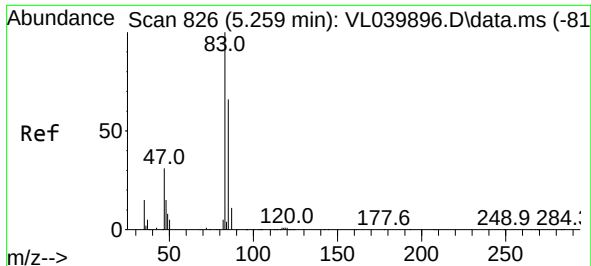


#28
Methyl tert-Butyl Ether
Concen: 19.286 ppbv
RT: 4.571 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



Tgt Ion: 73 Resp: 2387550
Ion Ratio Lower Upper
73 100
57 22.9 18.9 28.3





#29

Chloroform

Concen: 14.505 ppbv

RT: 5.262 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 278959

Ion Ratio Lower Upper

83 100

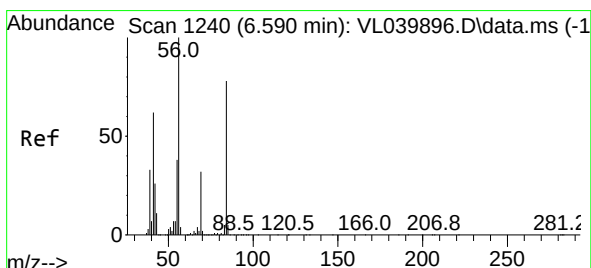
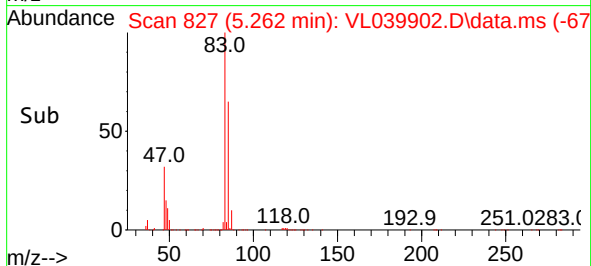
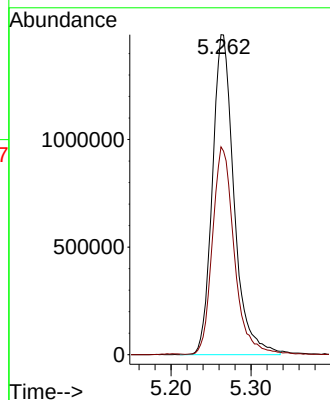
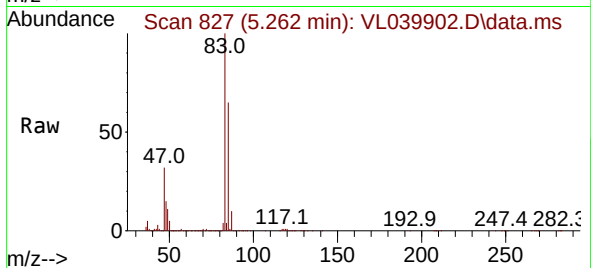
85 64.7 52.4 78.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#30

Cyclohexane

Concen: 16.739 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

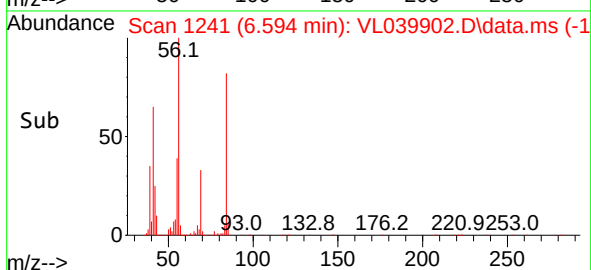
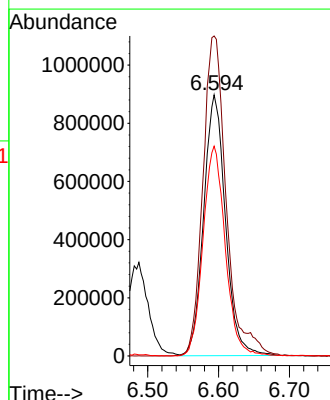
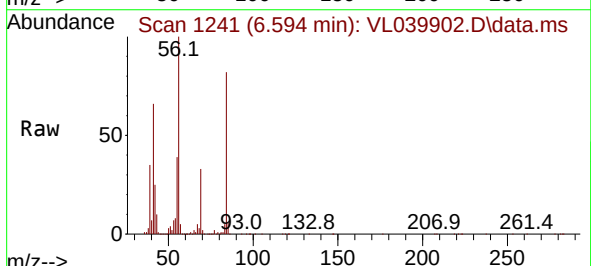
Tgt Ion: 84 Resp: 1914462

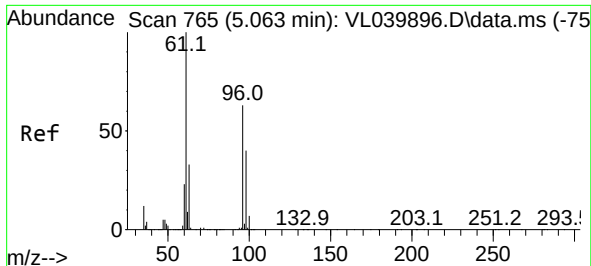
Ion Ratio Lower Upper

84 100

56 131.9 112.5 168.7

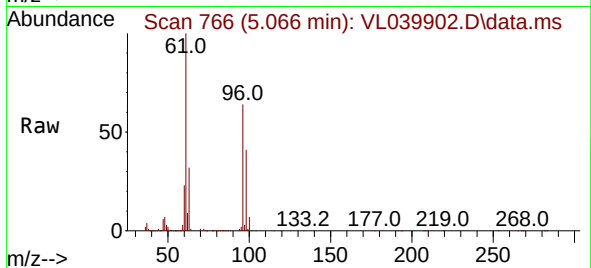
41 82.4 67.8 101.8





#31
cis-1,2-Dichloroethene
Concen: 14.990 ppbv
RT: 5.066 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

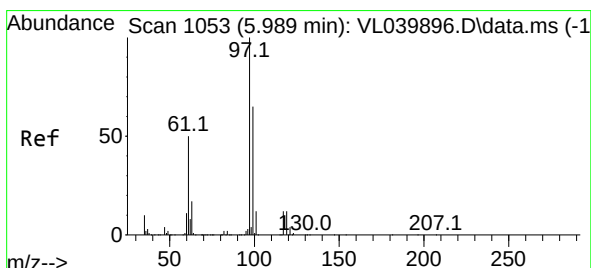
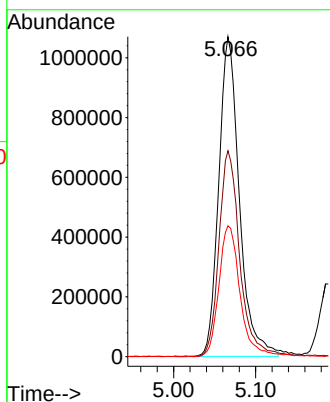
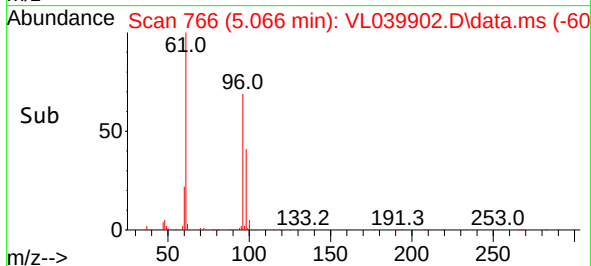
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 61 Resp: 1869394
Ion Ratio Lower Upper
61 100
96 64.3 50.3 75.5
98 40.9 32.2 48.2

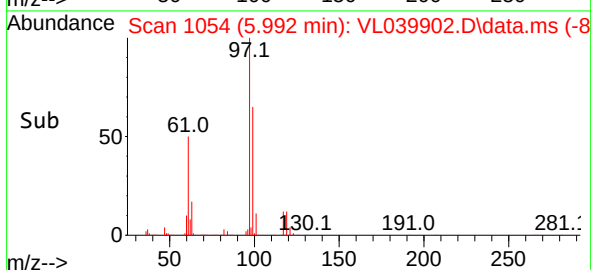
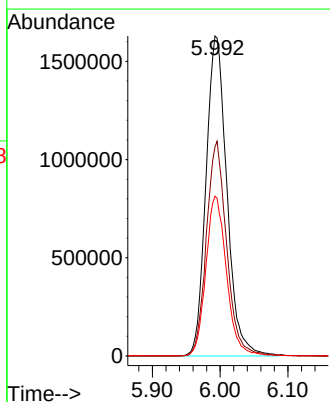
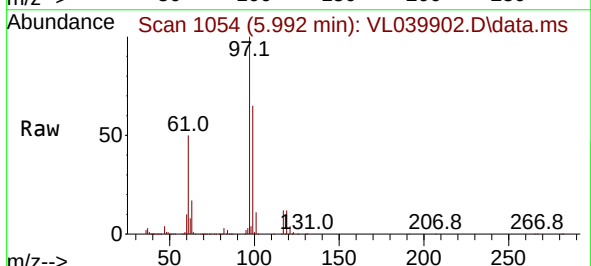
Manual Integrations
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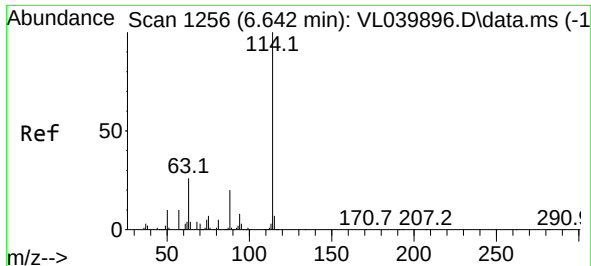
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#32
1,1,1-Trichloroethane
Concen: 18.205 ppbv
RT: 5.992 min Scan# 1054
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Tgt Ion: 97 Resp: 3485330
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.0
61 49.4 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 376276

Ion Ratio Lower Upper

114 100

63 25.7 21.4 32.0

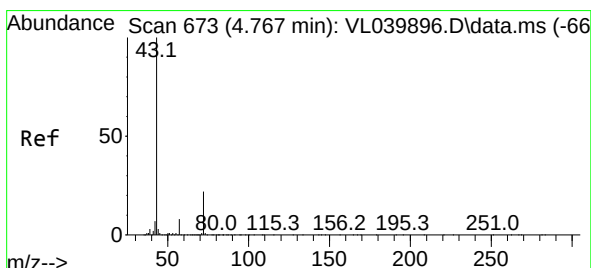
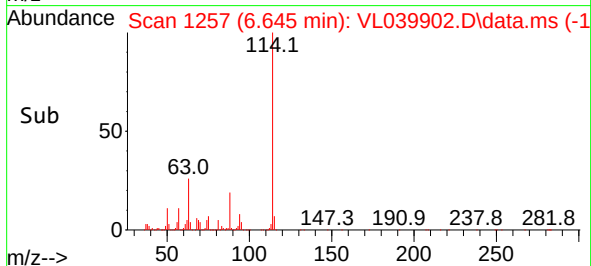
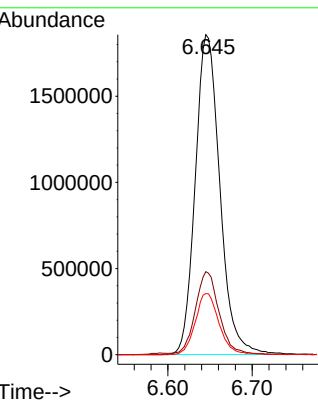
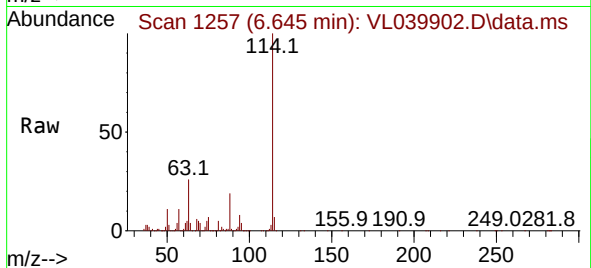
88 18.7 15.3 22.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#34

2-Butanone

Concen: 17.519 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.006 min

Lab File: VL039902.D

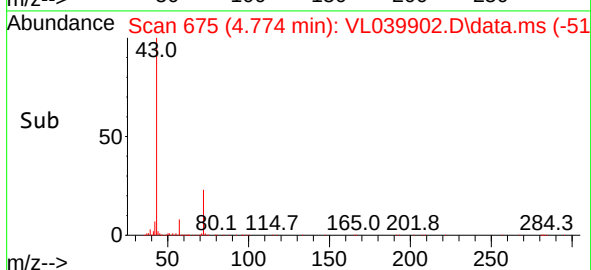
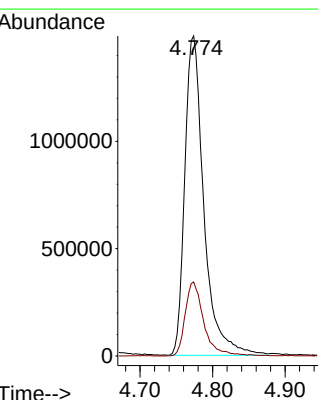
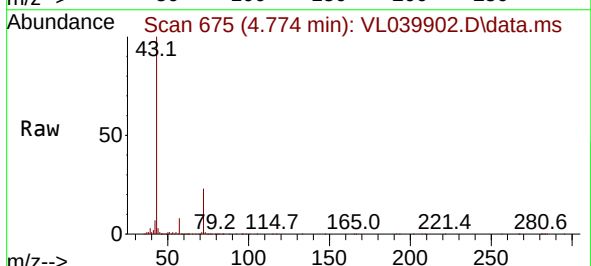
Acq: 18 Nov 2022 12:34

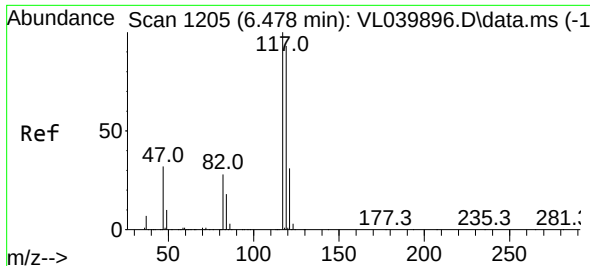
Tgt Ion: 43 Resp: 2719453

Ion Ratio Lower Upper

43 100

72 22.7 17.4 26.2





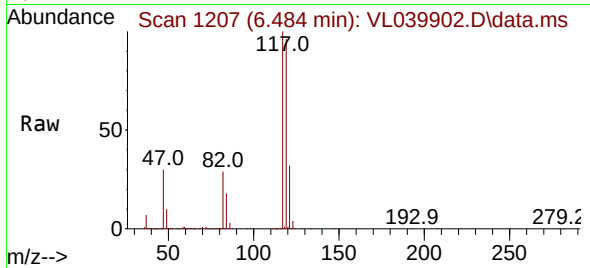
#35
Carbon Tetrachloride
Concen: 16.132 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

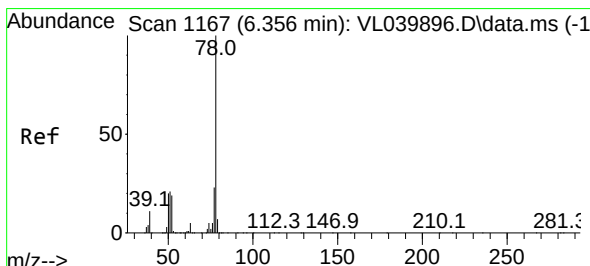
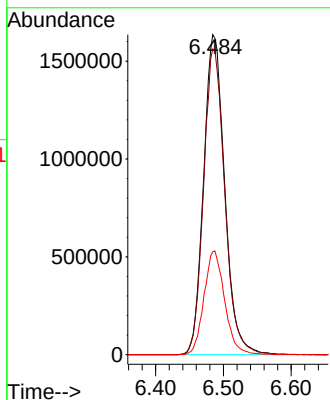
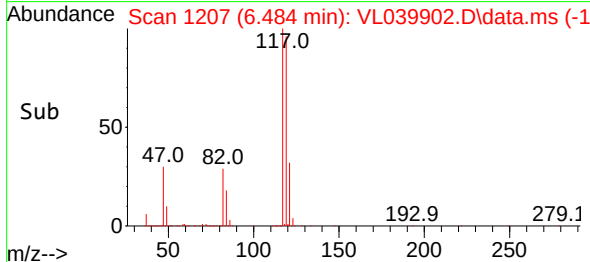


Tgt Ion: 117 Resp: 3538240
Ion Ratio Lower Upper
117 100
119 95.5 74.7 112.1
121 32.2 24.5 36.7

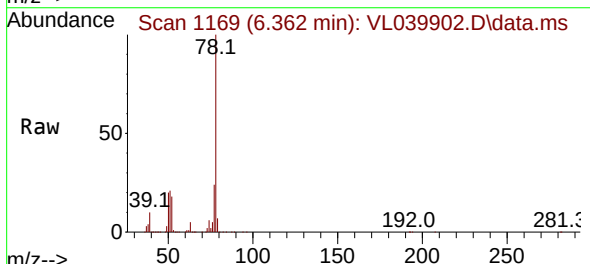
Manual Integrations

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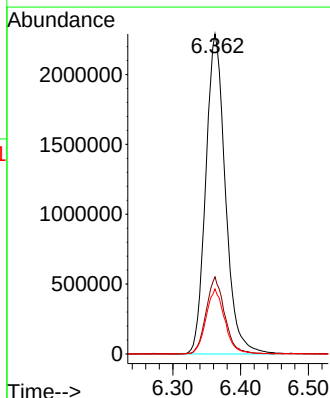
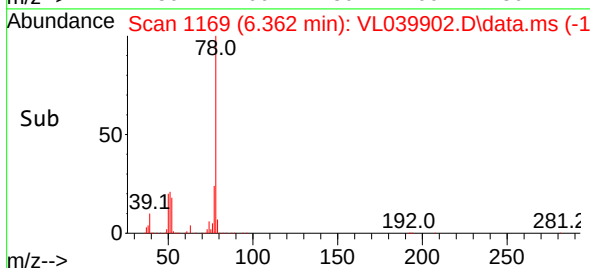
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

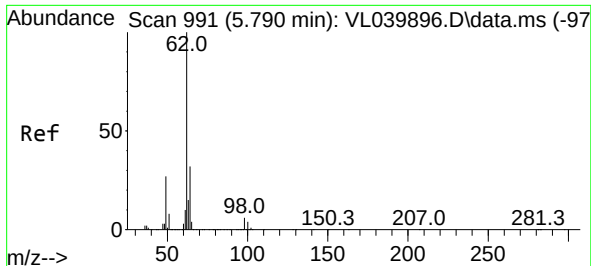


#36
Benzene
Concen: 14.482 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



Tgt Ion: 78 Resp: 4596729
Ion Ratio Lower Upper
78 100
77 24.1 18.2 27.2
50 20.3 15.8 23.8





#37

1,2-Dichloroethane

Concen: 17.620 ppbv

RT: 5.796 min Scan# 991

Delta R.T. 0.006 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 2683240

Ion Ratio Lower Upper

62 100

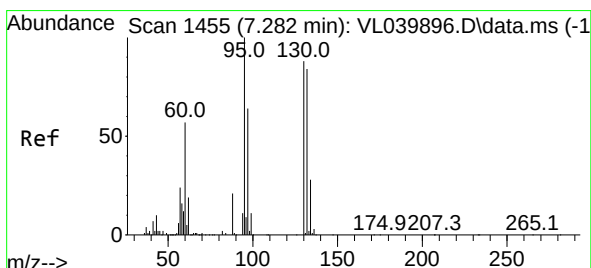
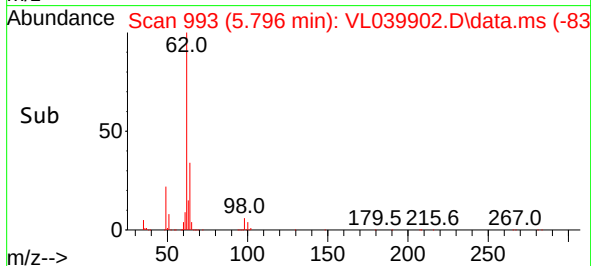
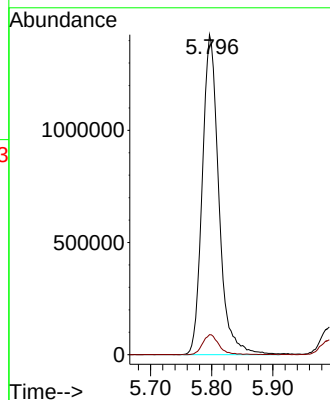
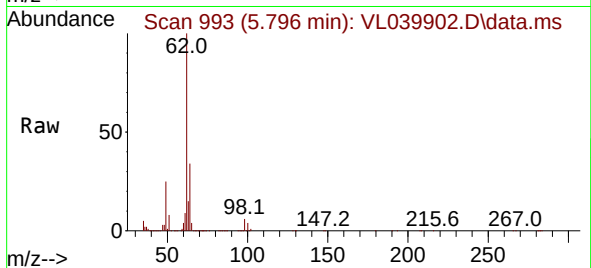
98 6.3 5.0 7.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#38

Trichloroethene

Concen: 15.192 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Tgt Ion:130 Resp: 2581018

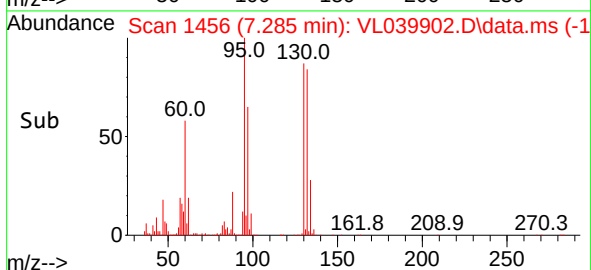
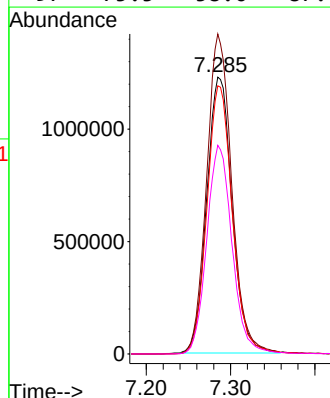
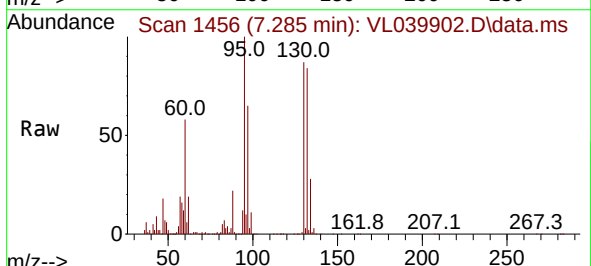
Ion Ratio Lower Upper

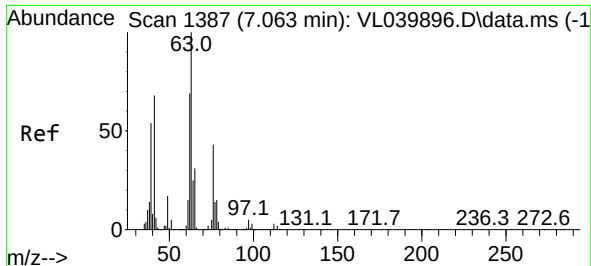
130 100

95 115.8 90.6 135.8

132 97.0 76.2 114.4

97 75.5 58.0 87.0





#39

1,2-Dichloropropane

Concen: 14.445 ppbv

RT: 7.066 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 178639

Ion Ratio Lower Upper

63 100

41 73.5 54.7 82.1

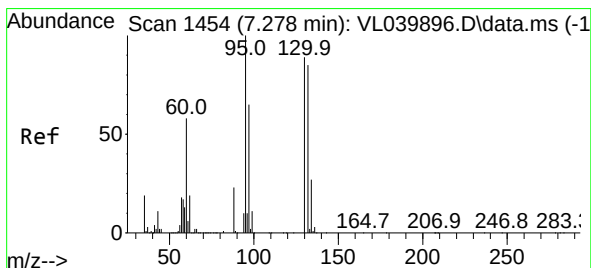
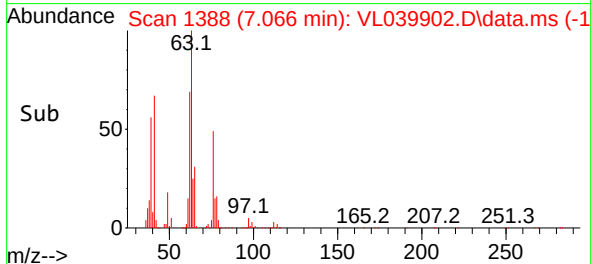
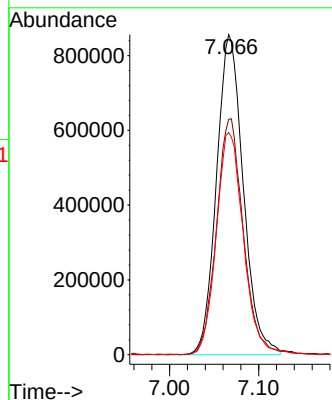
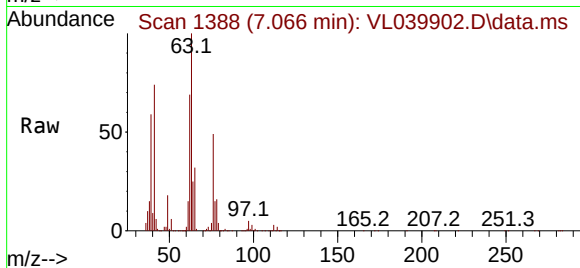
62 69.4 55.0 82.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#40

1,4-Dioxane

Concen: 15.789 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Tgt Ion: 88 Resp: 747724

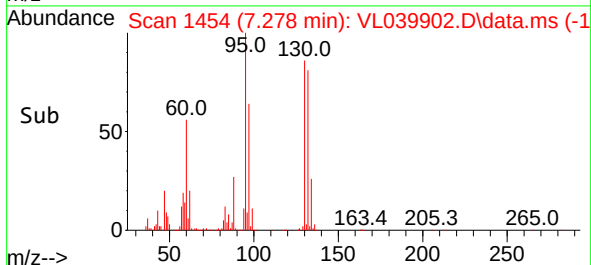
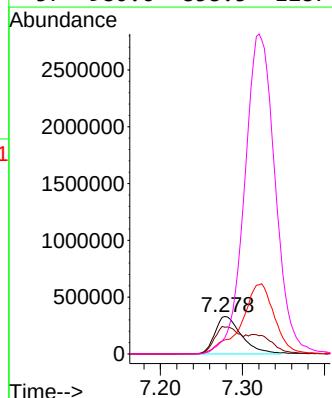
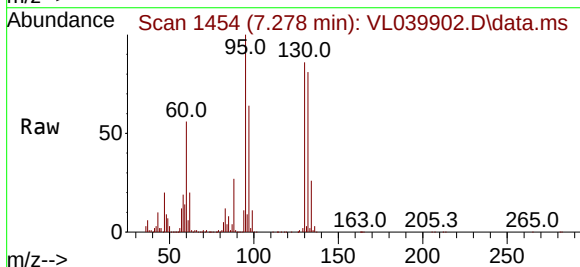
Ion Ratio Lower Upper

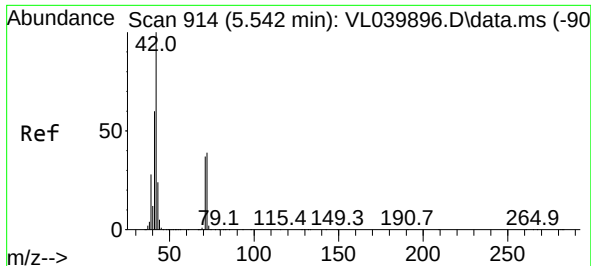
88 100

58 119.1 100.5 150.7

43 229.4 195.8 293.8

57 980.6 858.5 1287.7





#41

Tetrahydrofuran

Concen: 13.896 ppbv

RT: 5.545 min Scan# 914

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 42 Resp: 1802718

Ion Ratio Lower Upper

42 100

72 42.0 31.6 47.4

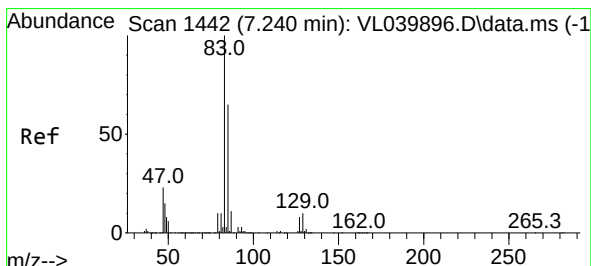
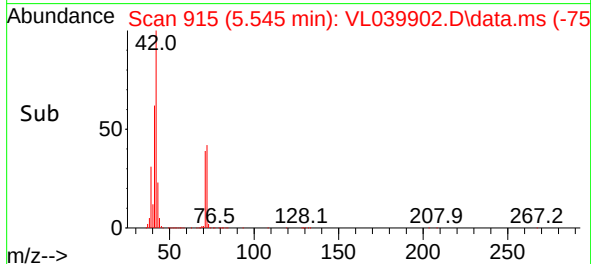
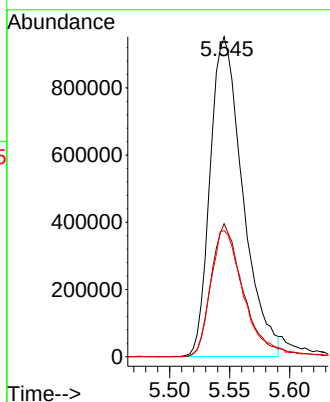
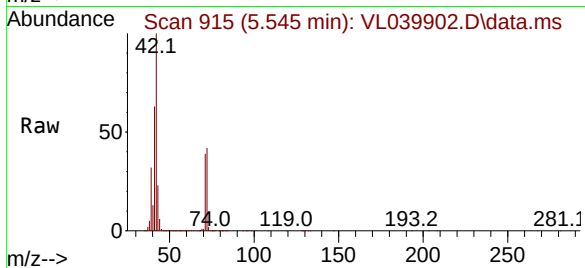
71 41.0 31.2 46.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#42

Bromodichloromethane

Concen: 15.620 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

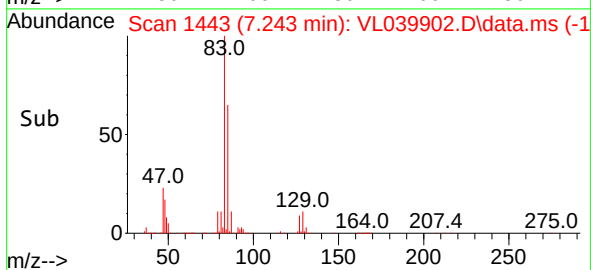
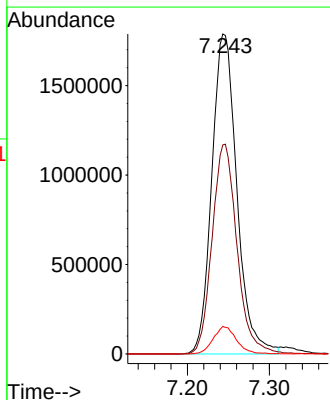
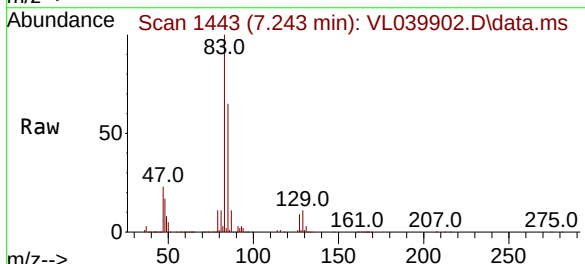
Tgt Ion: 83 Resp: 3799372

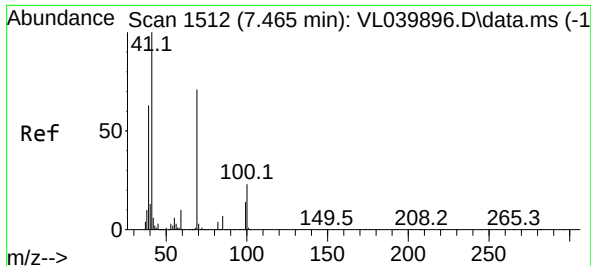
Ion Ratio Lower Upper

83 100

85 65.4 52.0 78.0

127 8.6 6.5 9.7





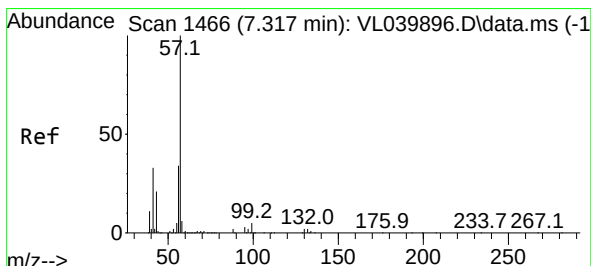
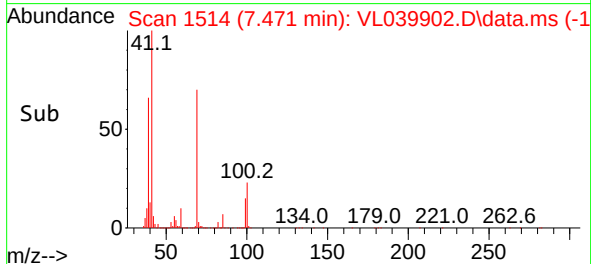
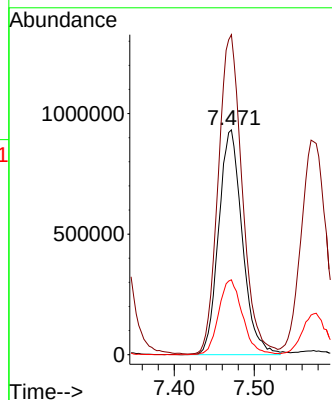
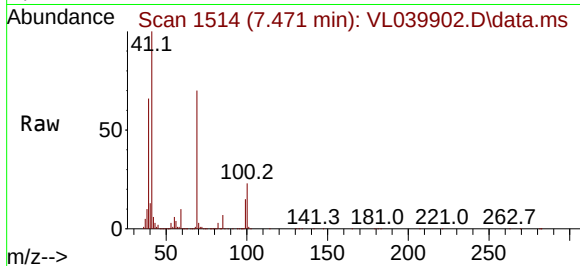
#43
Methyl Methacrylate
Concen: 15.248 ppbv
RT: 7.471 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 69 Resp: 1912708
Ion Ratio Lower Upper
69 100
41 144.4 116.4 174.6
100 33.6 26.8 40.2

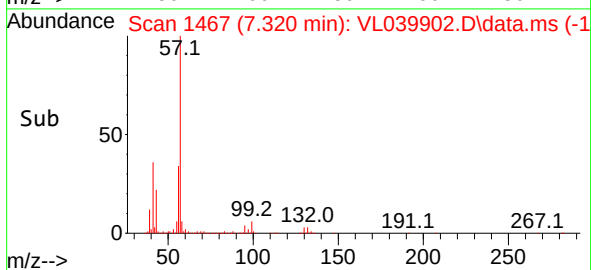
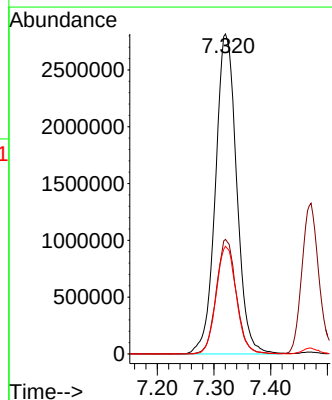
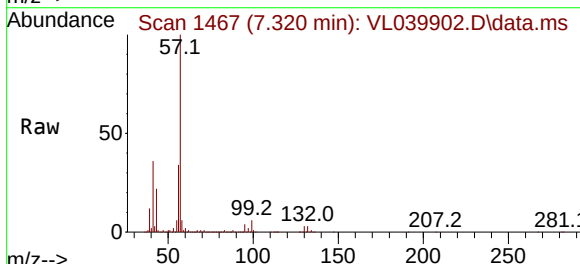
Manual Integrations
APPROVED

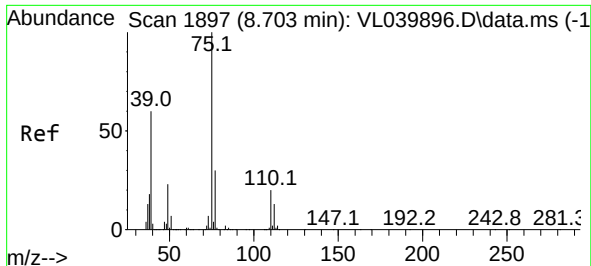
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#44
2,2,4-Trimethylpentane
Concen: 13.671 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

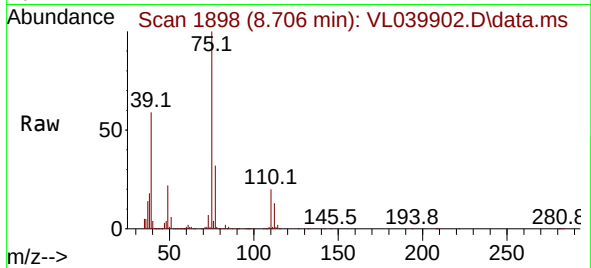
Tgt Ion: 57 Resp: 7324233
Ion Ratio Lower Upper
57 100
41 33.7 26.2 39.2
56 32.1 25.5 38.3





#45
 t-1,3-Dichloropropene
 Concen: 16.726 ppbv
 RT: 8.706 min Scan# 1897
 Delta R.T. 0.003 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

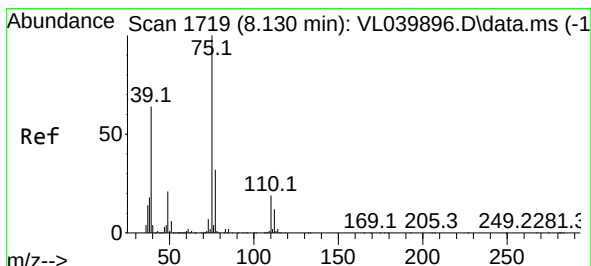
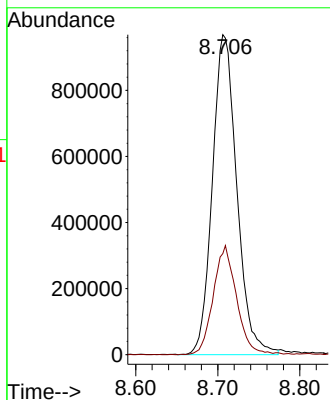
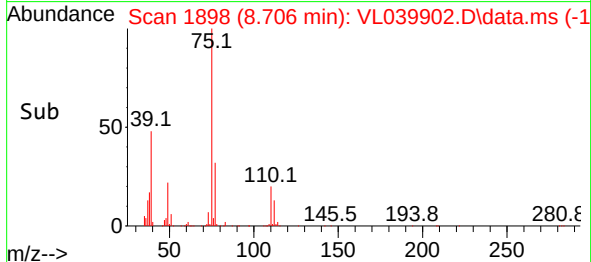
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



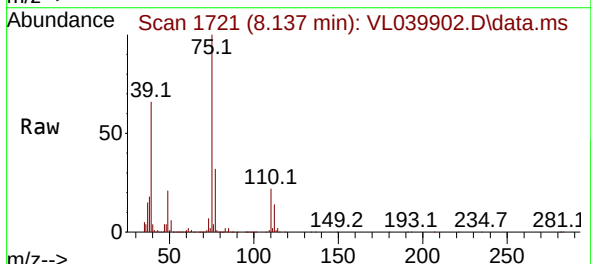
Tgt Ion: 75 Resp: 2009829
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.2 36.4

Manual Integrations
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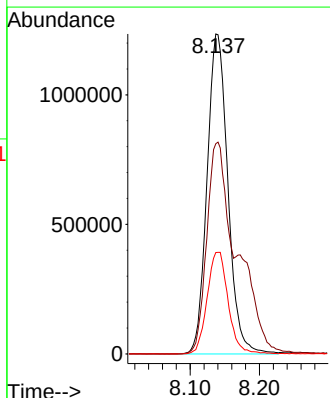
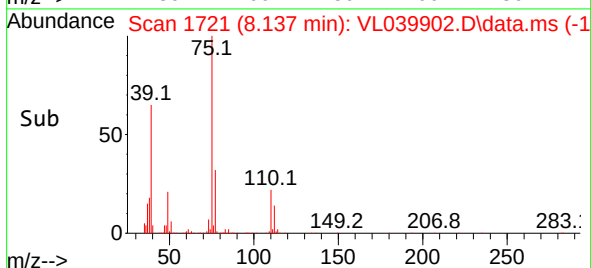
Reviewed By :Semsettin Yesilyurt 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

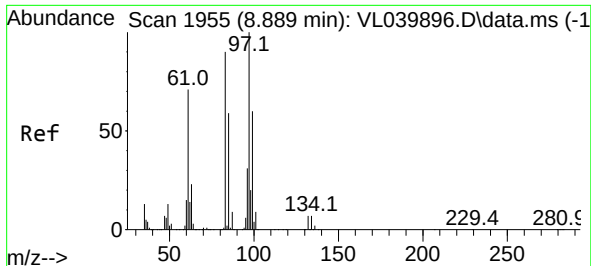


#46
 cis-1,3-Dichloropropene
 Concen: 15.717 ppbv
 RT: 8.137 min Scan# 1721
 Delta R.T. 0.006 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34



Tgt Ion: 75 Resp: 2577741
 Ion Ratio Lower Upper
 75 100
 39 65.7 51.0 76.4
 77 31.7 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 15.069 ppbv

RT: 8.899 min Scan# 1955

Delta R.T. 0.010 min

Lab File: VL039902.D

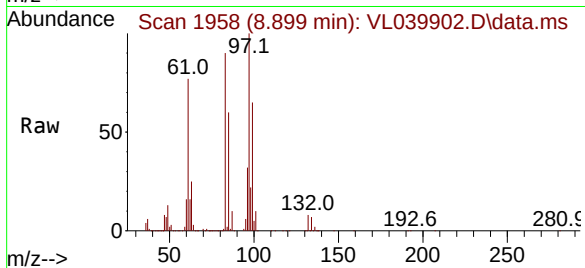
Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



Tgt Ion: 97 Resp: 1887084

Ion Ratio Lower Upper

97 100

83 89.6 72.1 108.1

85 59.6 47.2 70.8

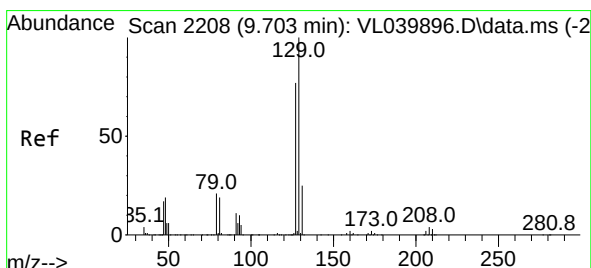
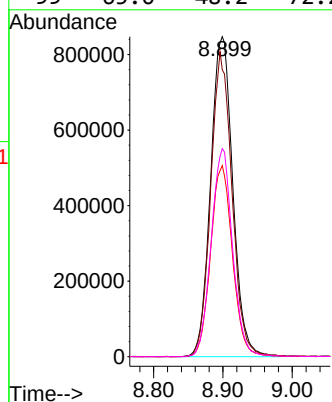
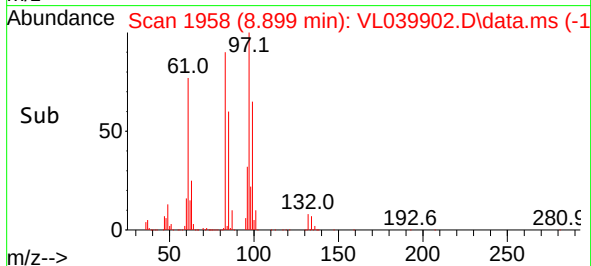
99 65.0 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#48

Dibromochloromethane

Concen: 15.148 ppbv

RT: 9.712 min Scan# 2211

Delta R.T. 0.010 min

Lab File: VL039902.D

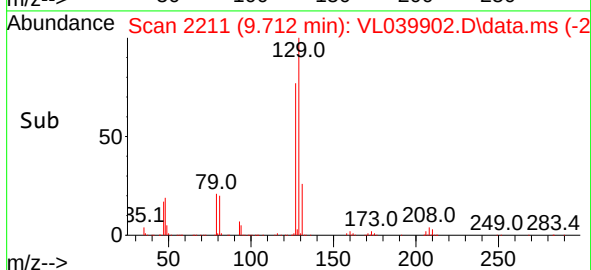
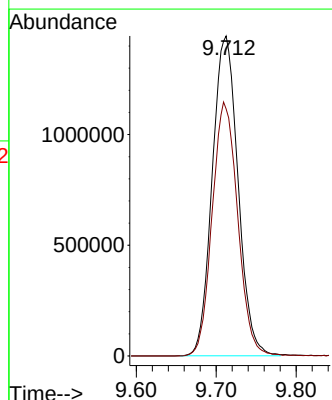
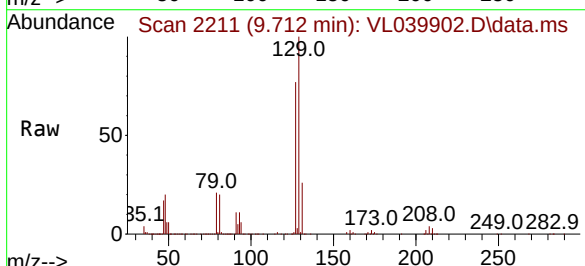
Acq: 18 Nov 2022 12:34

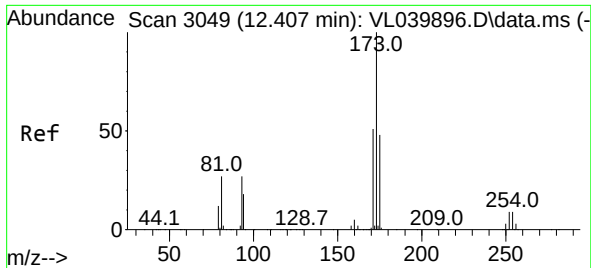
Tgt Ion:129 Resp: 3232170

Ion Ratio Lower Upper

129 100

127 78.8 39.1 117.3





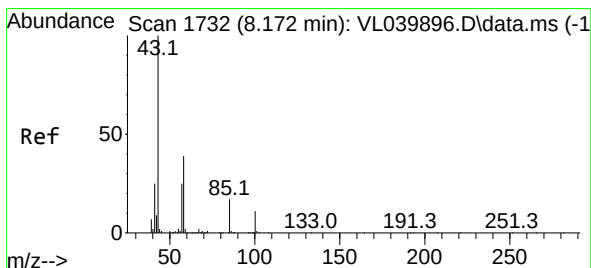
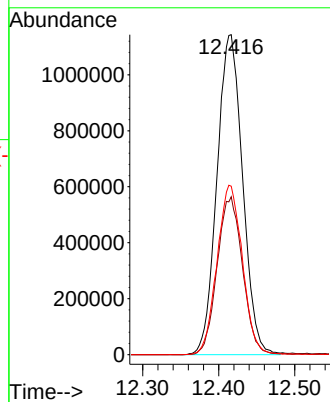
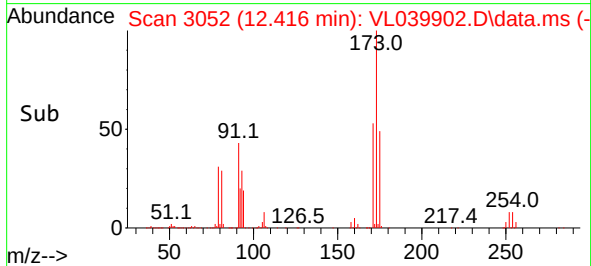
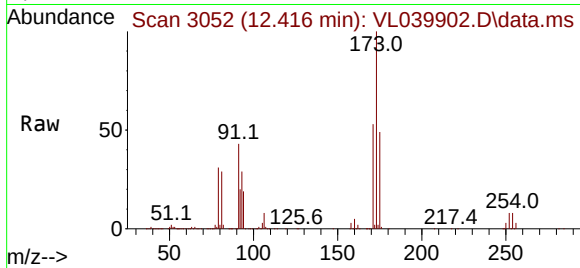
#49
Bromoform
Concen: 15.608 ppbv
RT: 12.416 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:173 Resp: 2676854
Ion Ratio Lower Upper
173 100
175 49.1 39.1 58.7
171 52.5 41.8 62.8

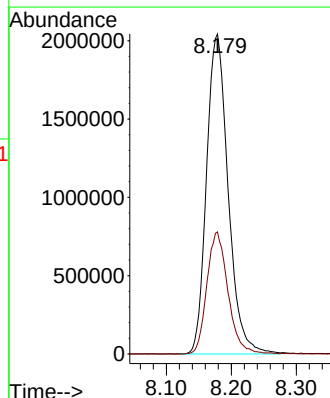
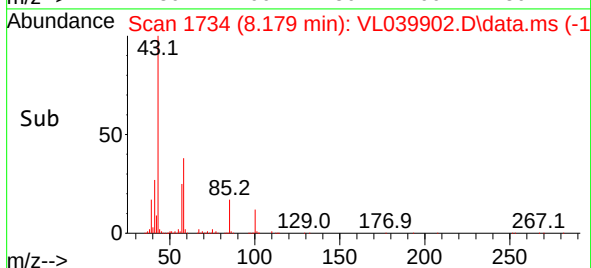
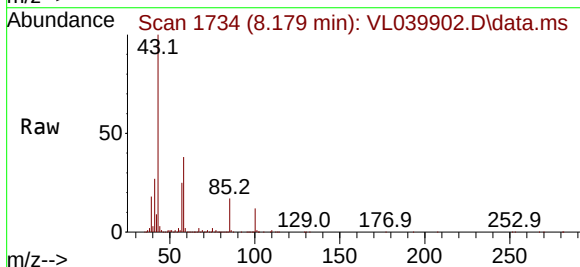
Manual Integrations
APPROVED

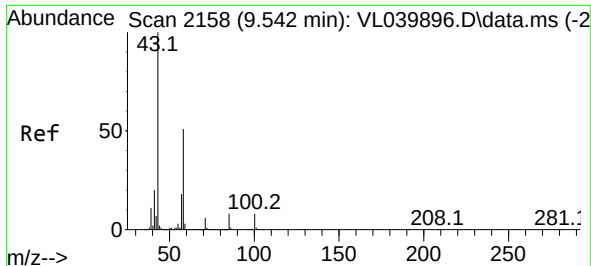
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#50
4-Methyl-2-Pentanone
Concen: 14.864 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

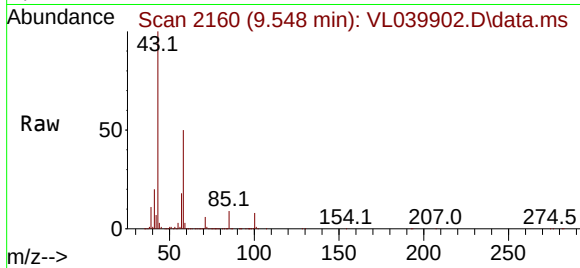
Tgt Ion: 43 Resp: 4723701
Ion Ratio Lower Upper
43 100
58 37.4 29.8 44.6





#51
2-Hexanone
Concen: 15.279 ppbv
RT: 9.548 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

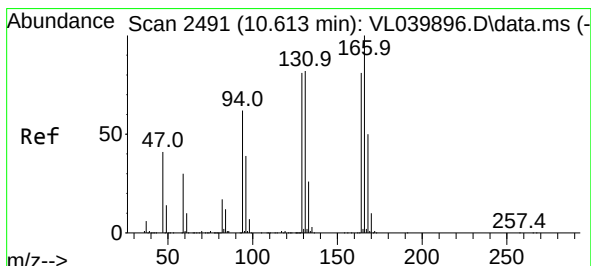
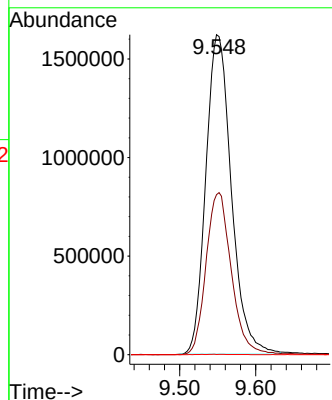
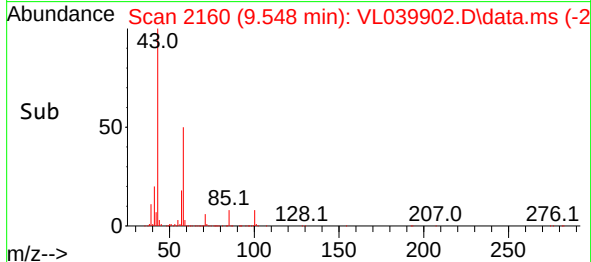
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



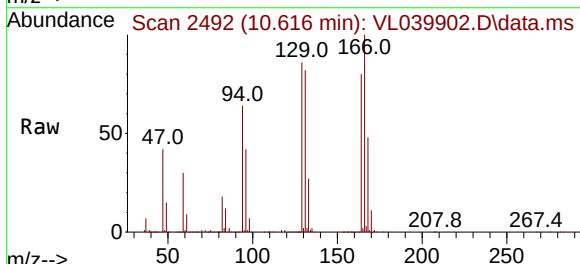
Tgt Ion: 43 Resp: 378613
Ion Ratio Lower Upper
43 100
58 50.5 40.2 60.4
98 0.1 0.1 0.1

Manual Integrations
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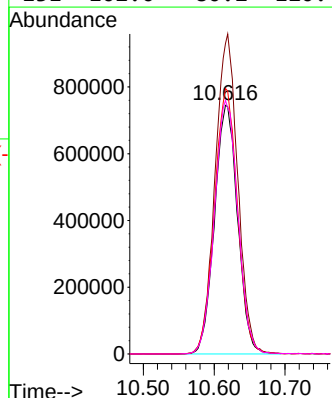
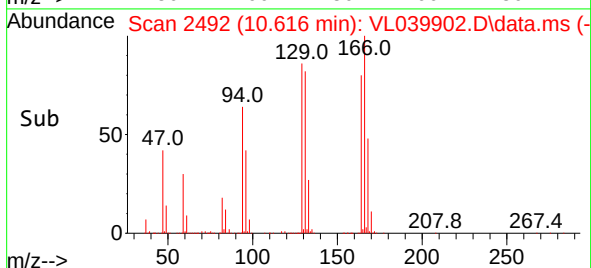
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

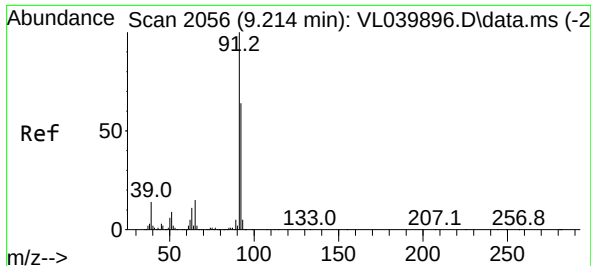


#52
Tetrachloroethene
Concen: 14.097 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



Tgt Ion:164 Resp: 1676311
Ion Ratio Lower Upper
164 100
166 124.8 98.3 147.5
129 106.8 79.7 119.5
131 102.0 80.2 120.4





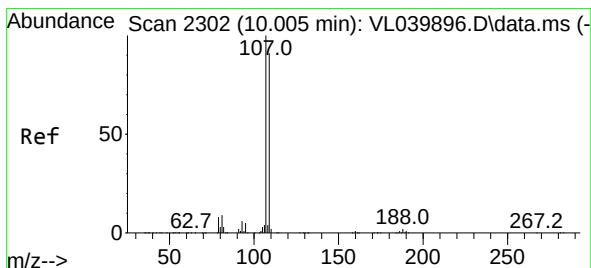
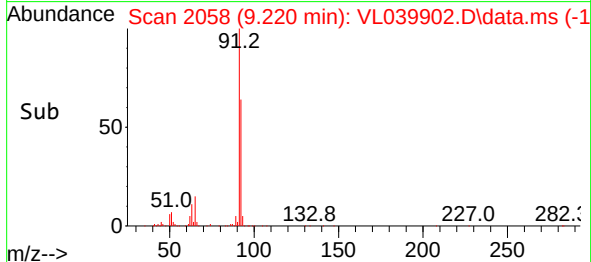
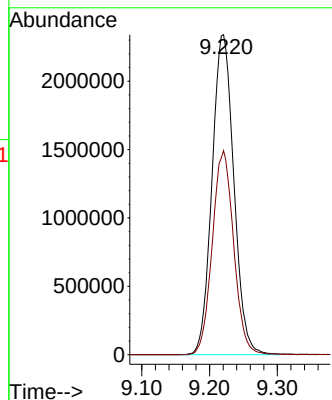
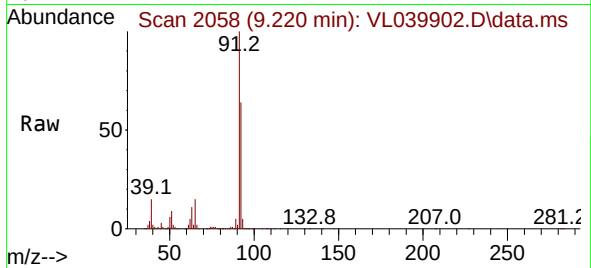
#53
Toluene
Concen: 14.383 ppbv
RT: 9.220 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 523739
Ion Ratio Lower Upper
91 100
92 62.5 49.8 74.6

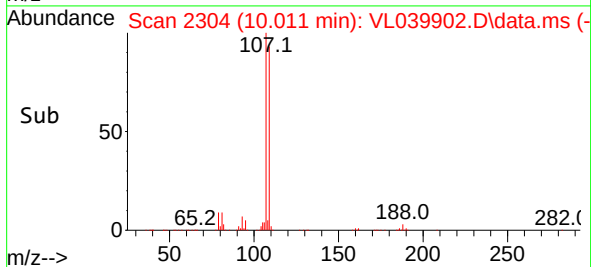
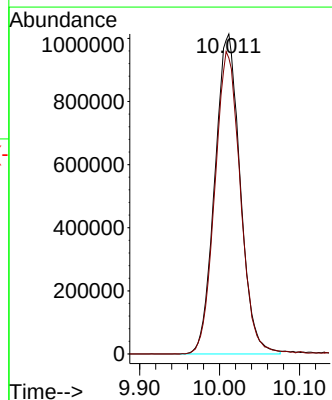
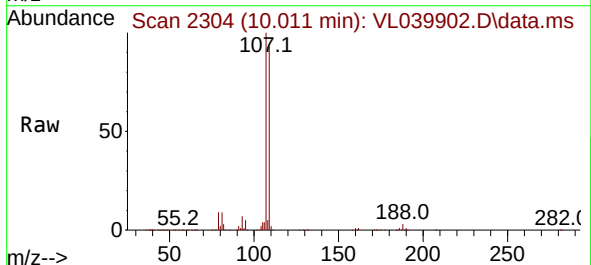
Manual Integrations
APPROVED

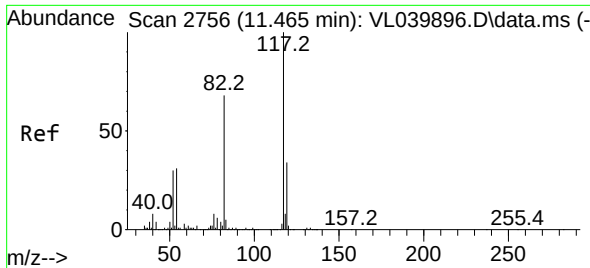
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#54
1,2-Dibromoethane
Concen: 16.064 ppbv
RT: 10.011 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Tgt Ion:107 Resp: 2232525
Ion Ratio Lower Upper
107 100
109 92.5 72.8 109.2





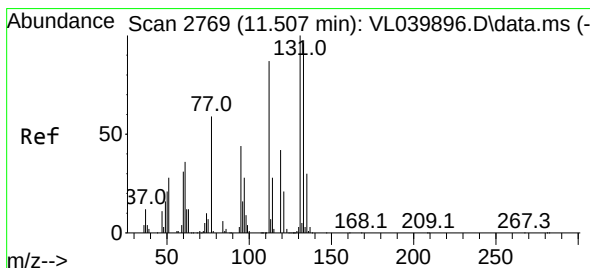
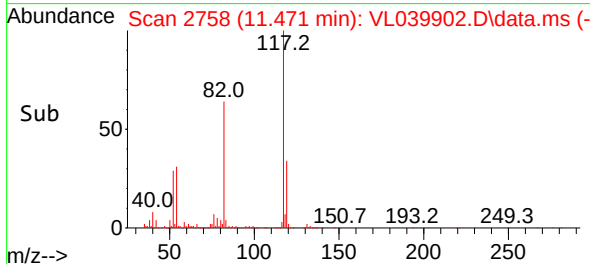
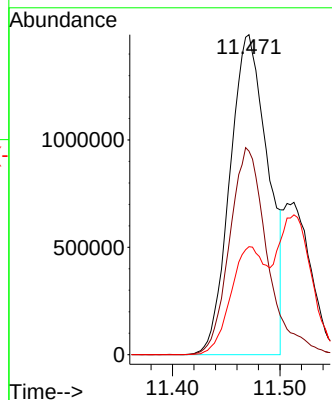
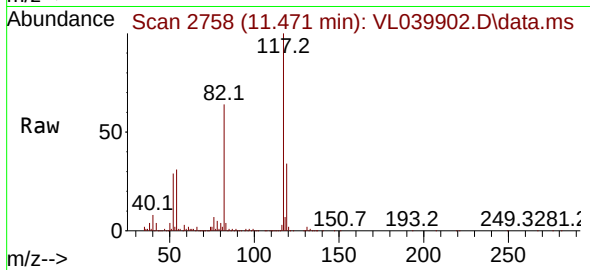
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 366880
Ion Ratio Lower Upper
117 100
82 64.3 52.3 78.5
119 31.5 25.7 38.5

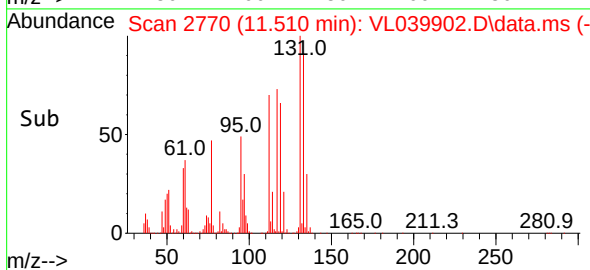
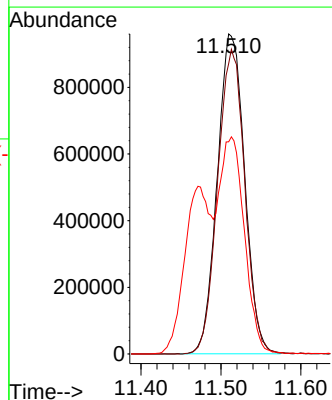
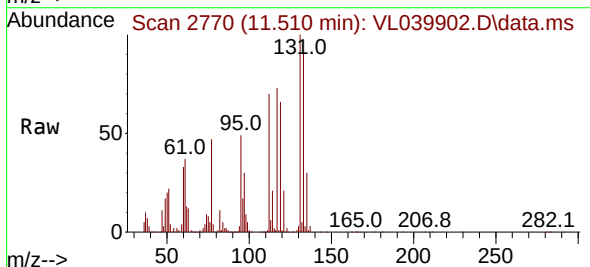
Manual Integrations
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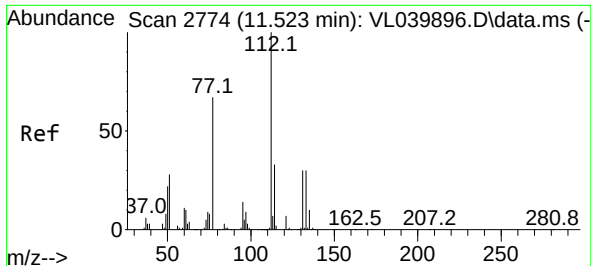
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#56
1,1,1,2-Tetrachloroethane
Concen: 14.521 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

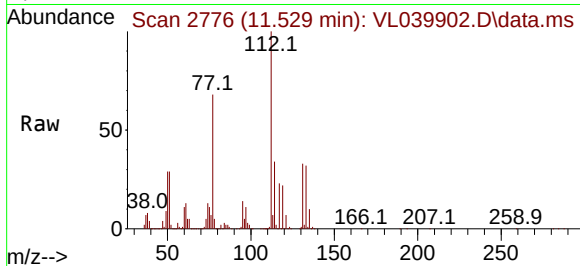
Tgt Ion:131 Resp: 2277736
Ion Ratio Lower Upper
131 100
133 94.9 76.7 115.1
119 71.0 46.6 69.8#





#57
Chlorobenzene
Concen: 14.350 ppbv
RT: 11.529 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

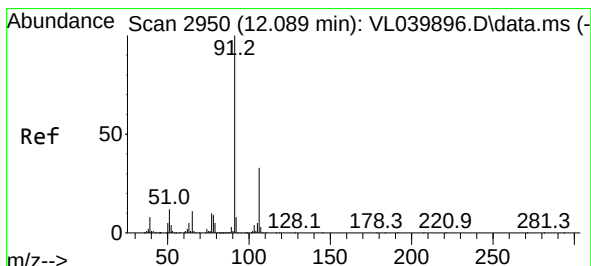
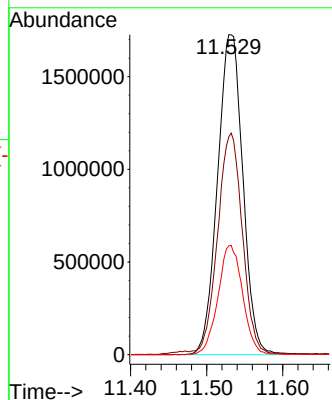
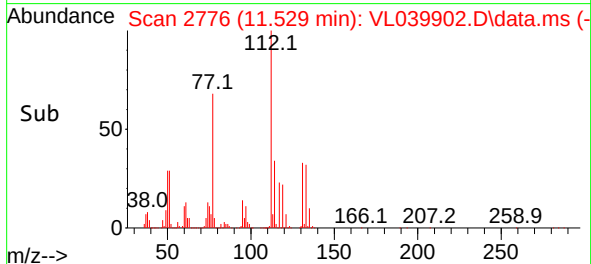
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 3993420
Ion Ratio Lower Upper
112 100
77 67.8 54.6 81.8
114 33.9 30.1 36.7

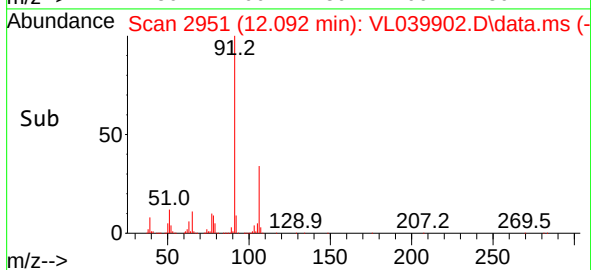
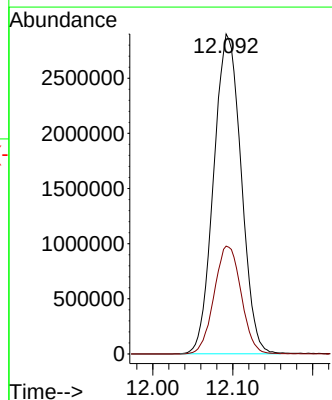
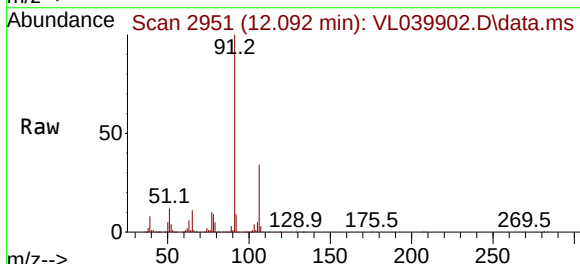
Manual Integrations
APPROVED

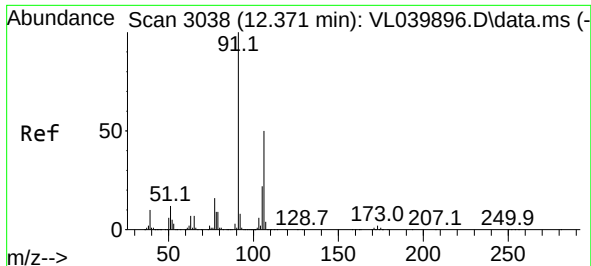
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#58
Ethyl Benzene
Concen: 13.943 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Tgt Ion: 91 Resp: 6916378
Ion Ratio Lower Upper
91 100
106 33.7 26.1 39.1





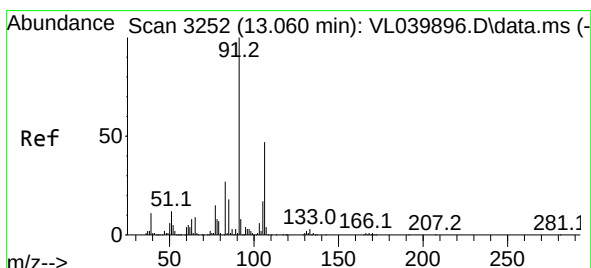
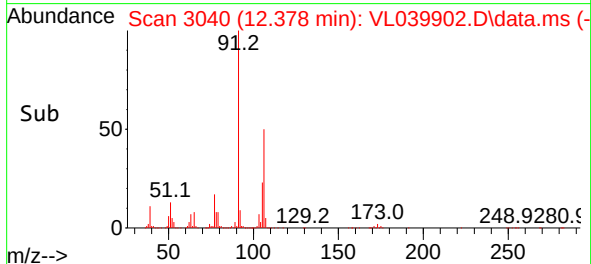
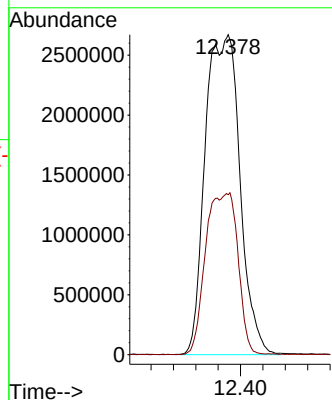
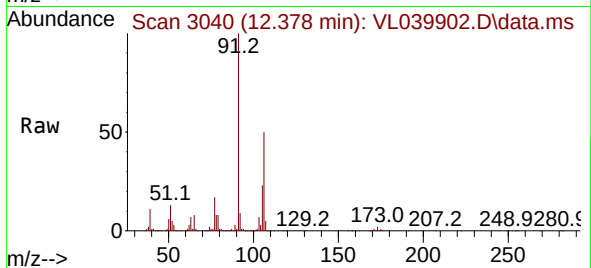
#59
m/p-Xylene
Concen: 27.757 ppbv m
RT: 12.378 min Scan# 3038
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp:1149392
Ion Ratio Lower Upper
91 100
106 47.1 37.0 55.6

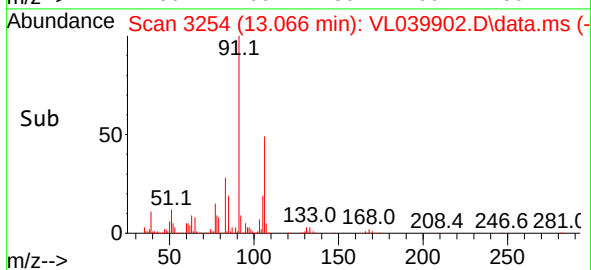
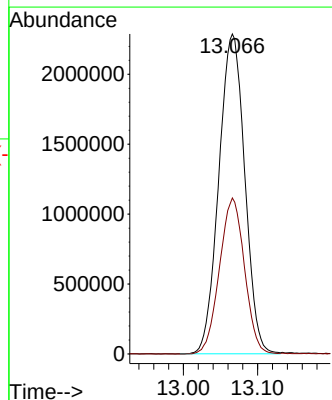
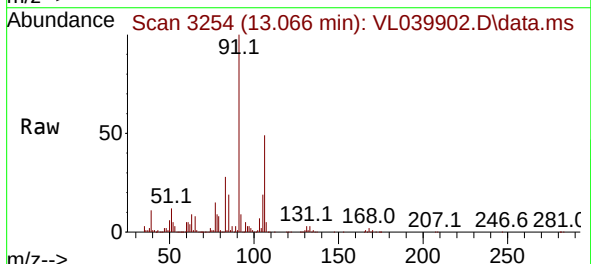
Manual Integrations
APPROVED

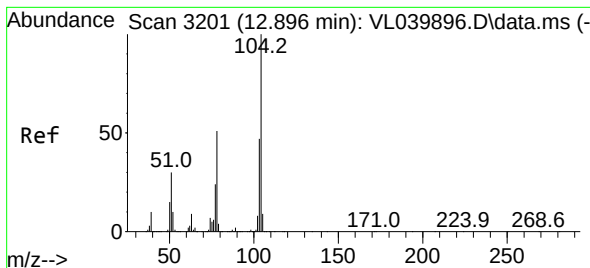
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#60
o-Xylene
Concen: 14.150 ppbv
RT: 13.066 min Scan# 3254
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Tgt Ion: 91 Resp: 5551286
Ion Ratio Lower Upper
91 100
106 47.1 23.2 69.6





#61

Styrene

Concen: 14.826 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:104 Resp: 3579098

Ion Ratio Lower Upper

104 100

78 52.8 41.8 62.8

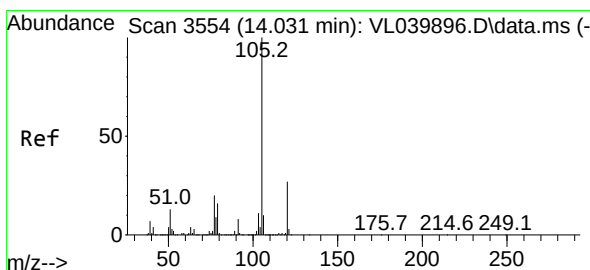
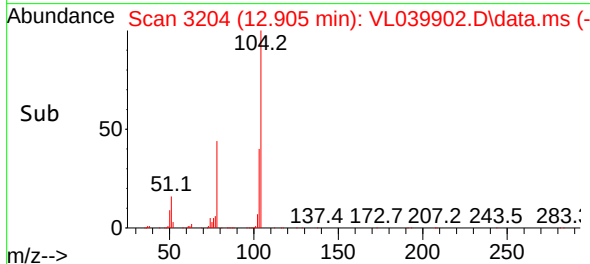
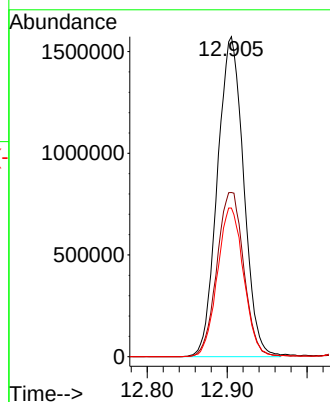
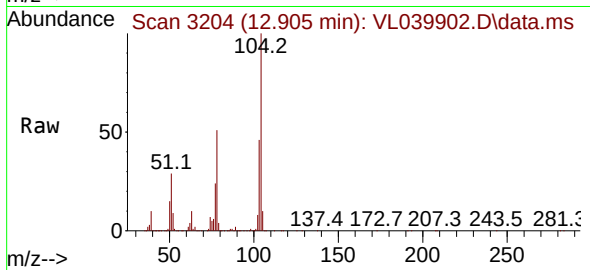
103 47.0 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#62

Isopropylbenzene

Concen: 13.779 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. 0.010 min

Lab File: VL039902.D

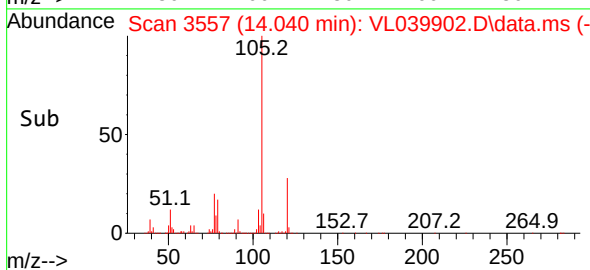
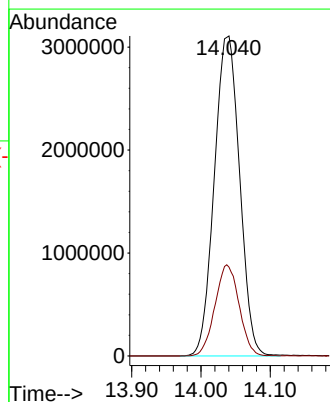
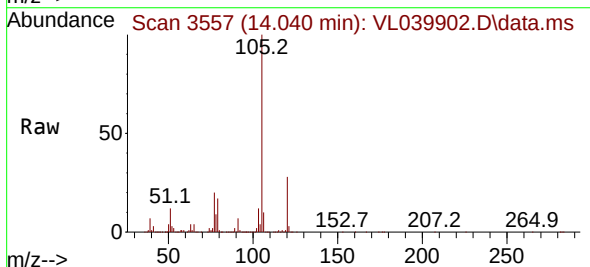
Acq: 18 Nov 2022 12:34

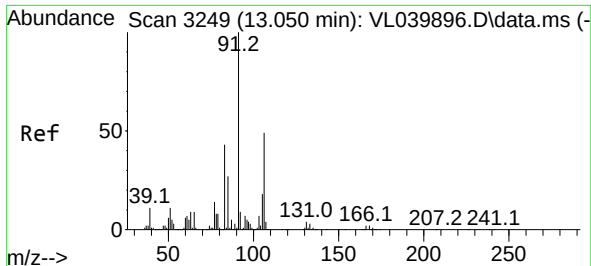
Tgt Ion:105 Resp: 7885262

Ion Ratio Lower Upper

105 100

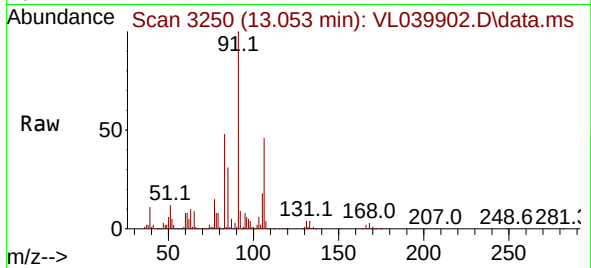
120 27.2 21.4 32.2





#63
1,1,2,2-Tetrachloroethane
Concen: 13.216 ppbv
RT: 13.053 min Scan# 3249
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

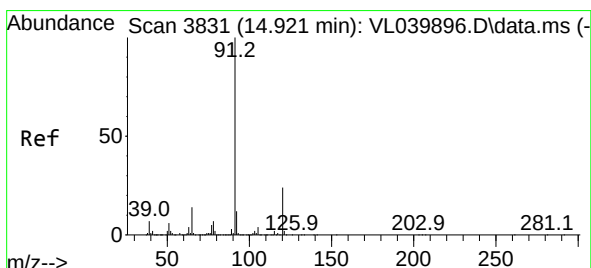
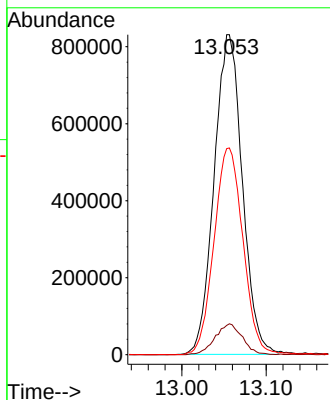
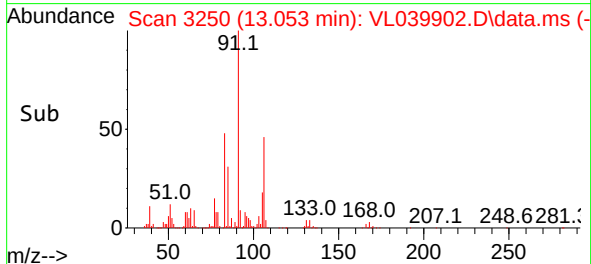
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 83 Resp: 1930810
Ion Ratio Lower Upper
83 100
131 9.4 4.6 13.8
85 66.7 33.0 99.0

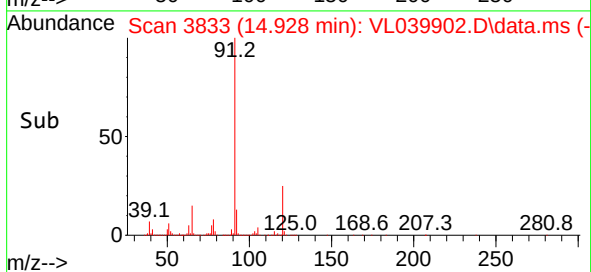
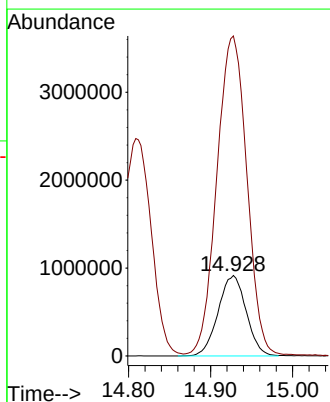
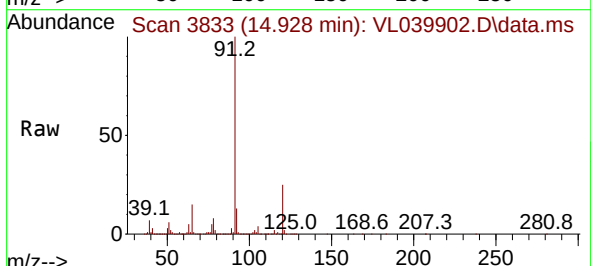
Manual Integrations
APPROVED

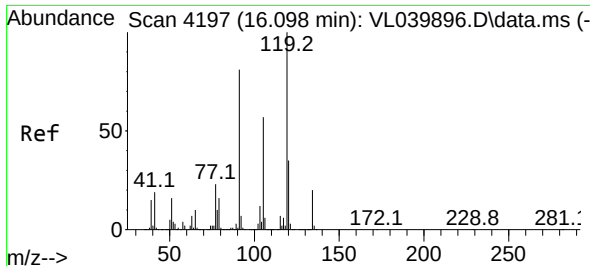
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#64
n-propylbenzene
Concen: 14.223 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

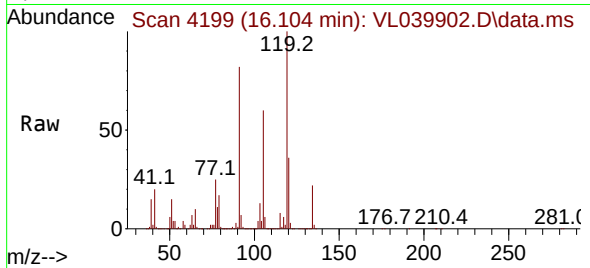
Tgt Ion:120 Resp: 2177358
Ion Ratio Lower Upper
120 100
91 428.0 353.7 530.5





#65
tert-Butylbenzene
Concen: 13.695 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

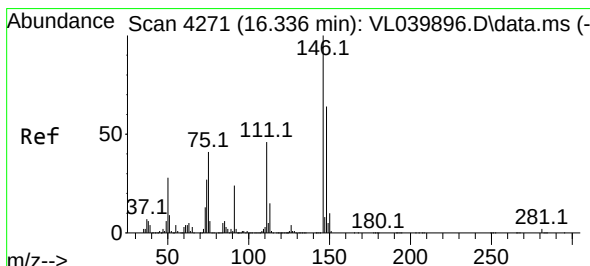
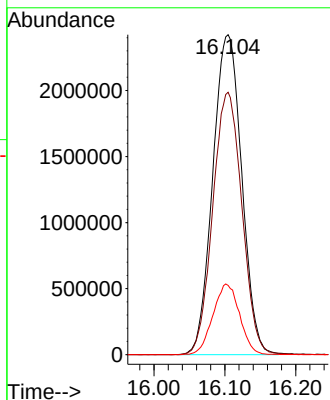
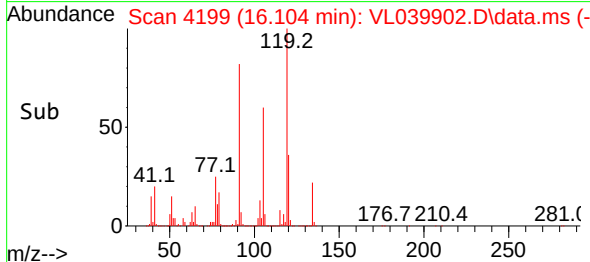
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



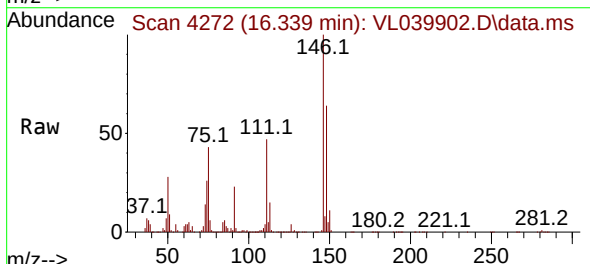
Tgt Ion: 119 Resp: 688136
Ion Ratio Lower Upper
119 100
91 82.6 65.8 98.8
134 20.4 16.1 24.1

Manual Integrations
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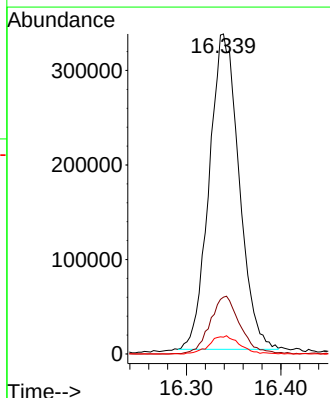
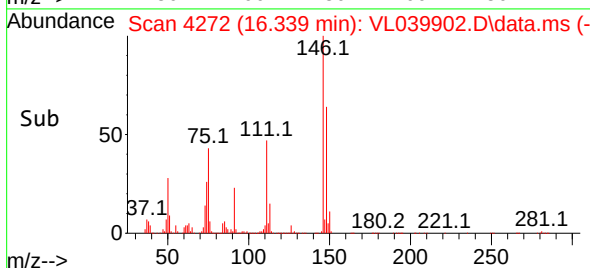
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

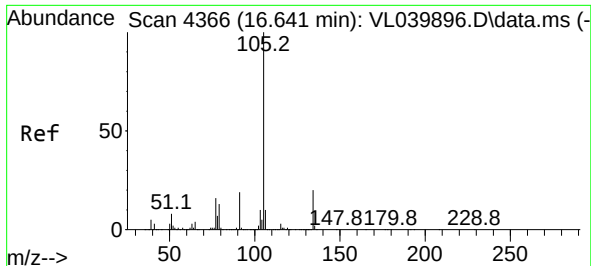


#66
Benzyl Chloride
Concen: 12.574 ppbv
RT: 16.339 min Scan# 4272
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



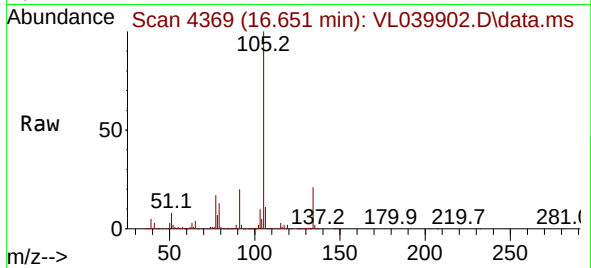
Tgt Ion: 91 Resp: 734599
Ion Ratio Lower Upper
91 100
126 18.4 15.0 22.6
128 5.9 4.6 7.0





#67
 sec-Butylbenzene
 Concen: 13.625 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

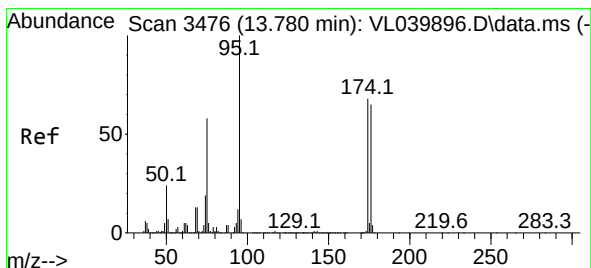
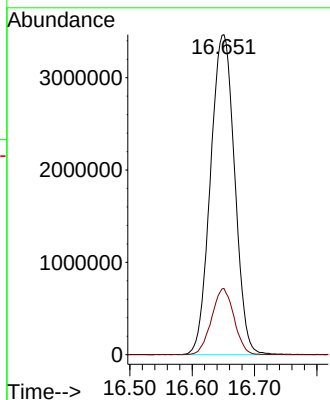
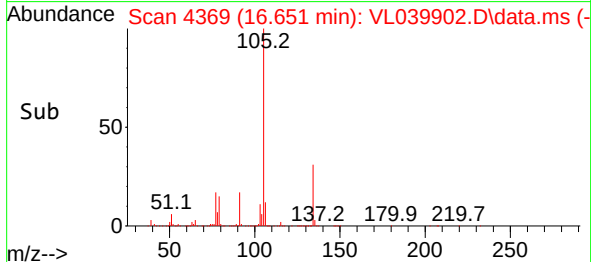
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 9319494
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.0 22.6

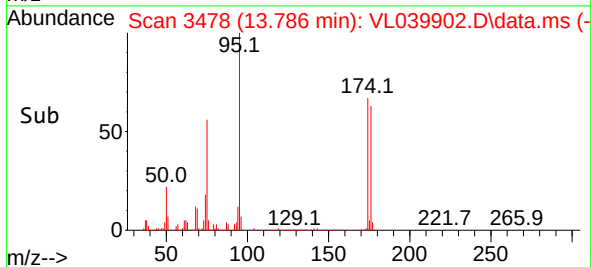
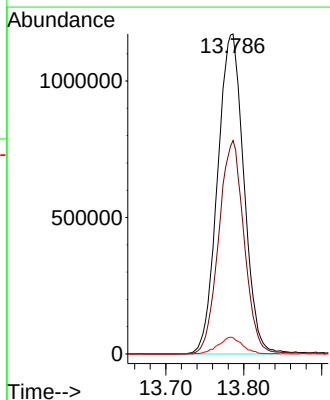
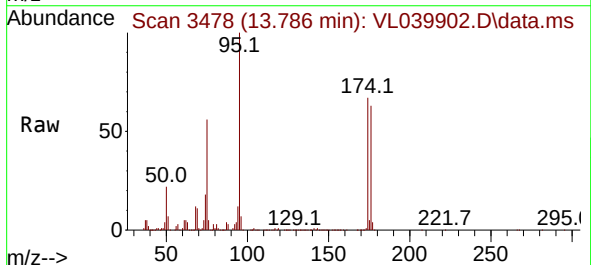
Manual Integrations
 APPROVED

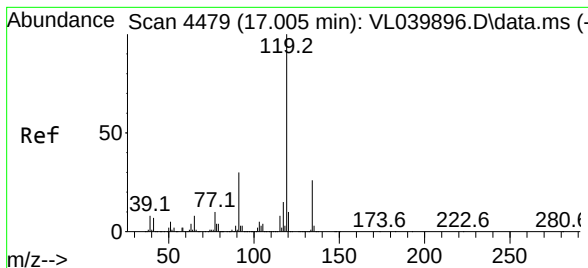
Reviewed By :Semsettin Yesilyurt 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.983 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.006 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

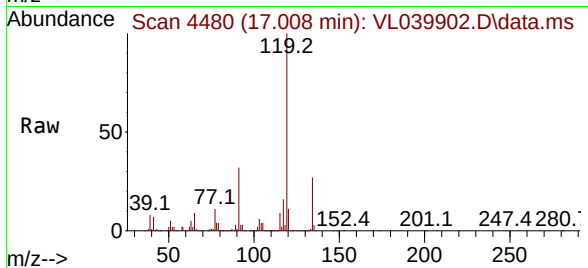
Tgt Ion: 95 Resp: 2741347
 Ion Ratio Lower Upper
 95 100
 174 64.7 53.7 80.5
 175 4.9 4.0 6.0





#69
p-Isopropyltoluene
Concen: 13.748 ppbv
RT: 17.008 min Scan# 4479
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

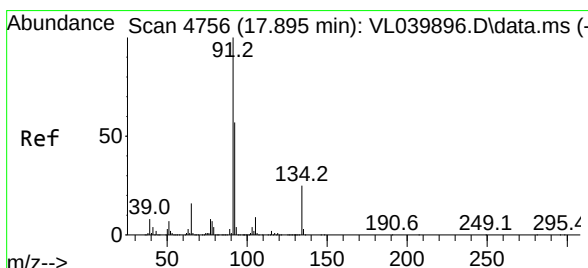
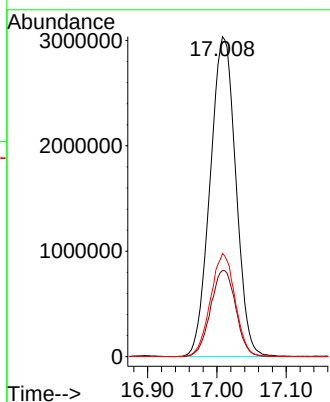
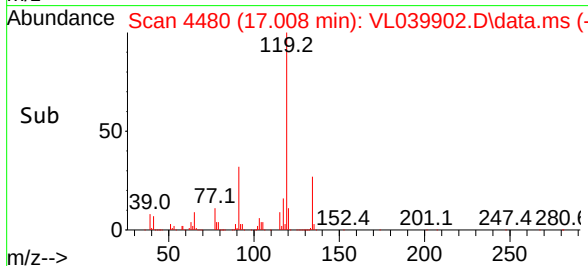
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



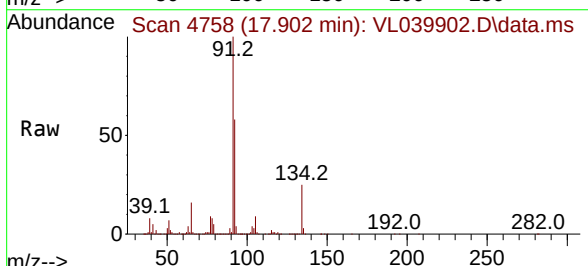
Tgt Ion:119 Resp: 7799910
Ion Ratio Lower Upper
119 100
134 26.6 21.0 31.4
91 31.0 24.4 36.6

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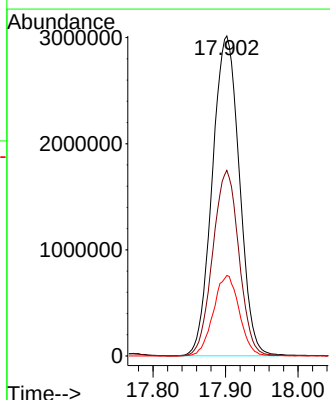
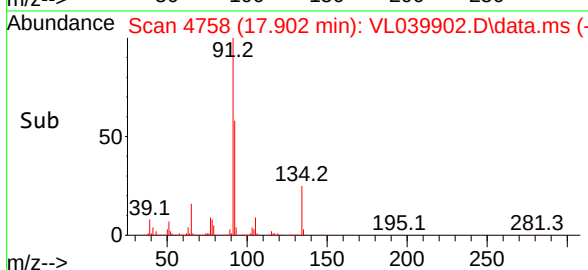
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

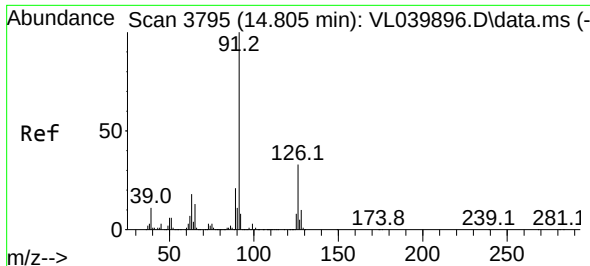


#70
n-Butylbenzene
Concen: 14.277 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



Tgt Ion: 91 Resp: 7830806
Ion Ratio Lower Upper
91 100
92 56.2 44.2 66.2
134 24.1 18.8 28.2





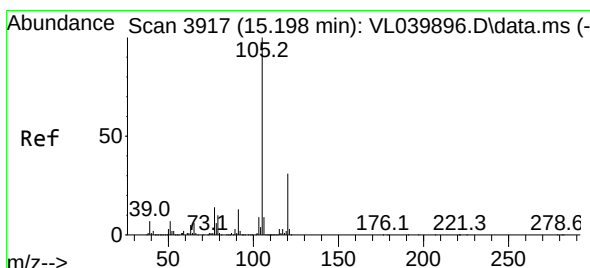
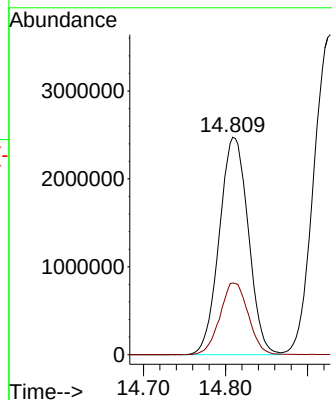
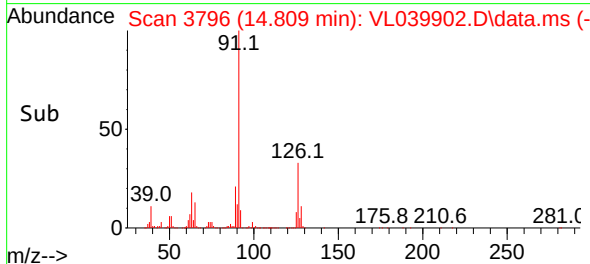
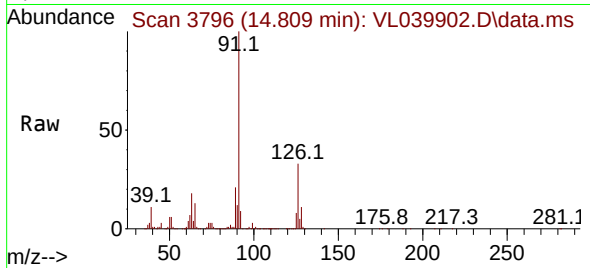
#71
2-Chlorotoluene
Concen: 14.135 ppbv
RT: 14.809 min Scan# 3795
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 607813
Ion Ratio Lower Upper
91 100
126 32.4 12.8 51.0

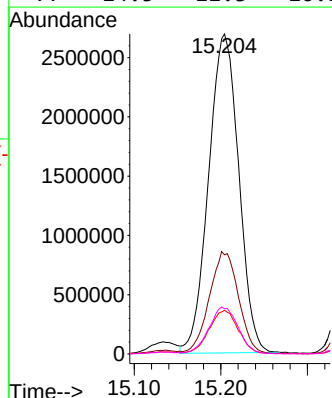
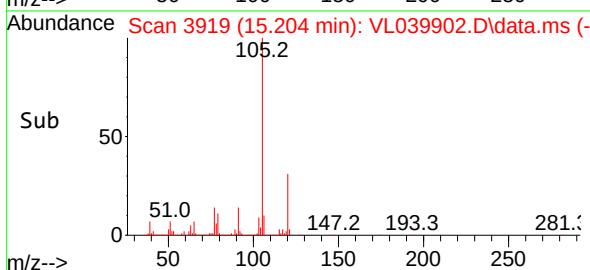
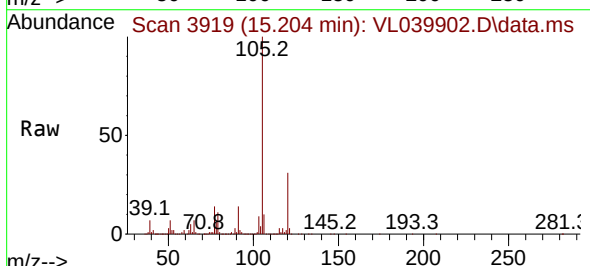
Manual Integrations
APPROVED

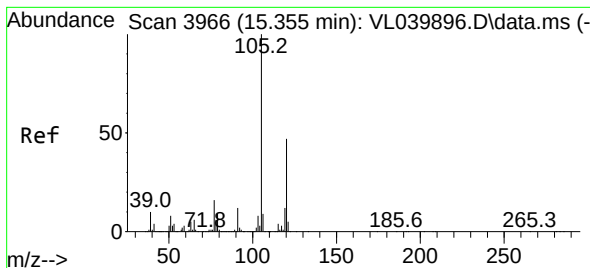
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#72
4-Ethyltoluene
Concen: 14.715 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

Tgt Ion:105 Resp: 6500647
Ion Ratio Lower Upper
105 100
120 31.3 24.5 36.7
91 13.2 10.4 15.6
77 14.5 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 14.861 ppbv

RT: 15.365 min Scan# 3966

Delta R.T. 0.010 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 581969

Ion Ratio Lower Upper

105 100

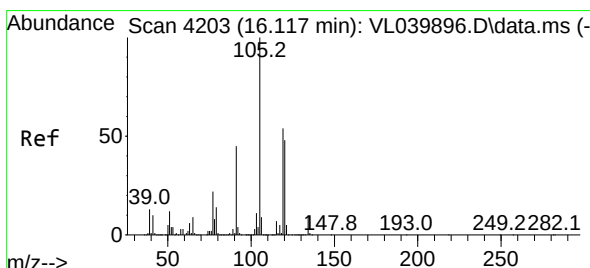
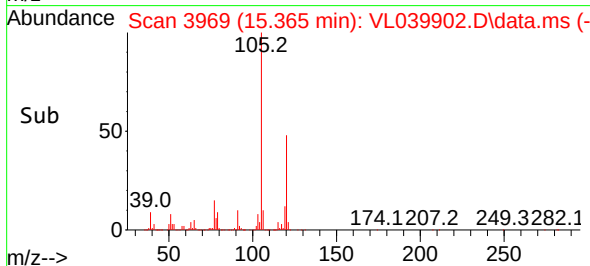
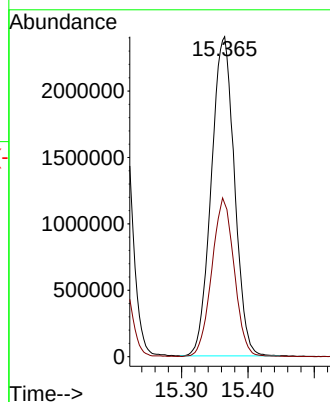
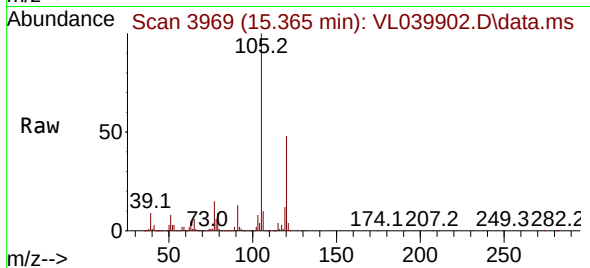
120 47.8 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#74

1,2,4-Trimethylbenzene

Concen: 14.565 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.003 min

Lab File: VL039902.D

Acq: 18 Nov 2022 12:34

Tgt Ion:105 Resp: 6060100

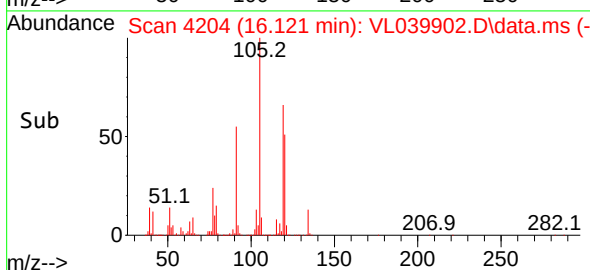
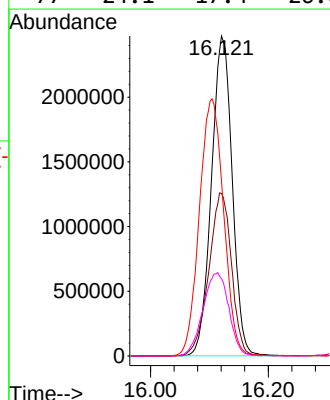
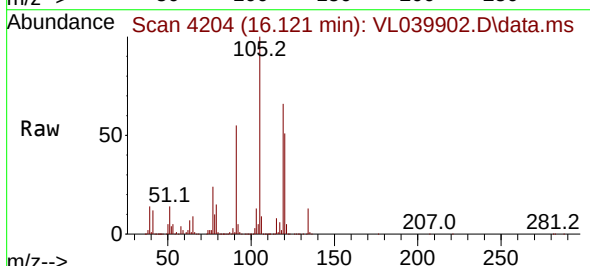
Ion Ratio Lower Upper

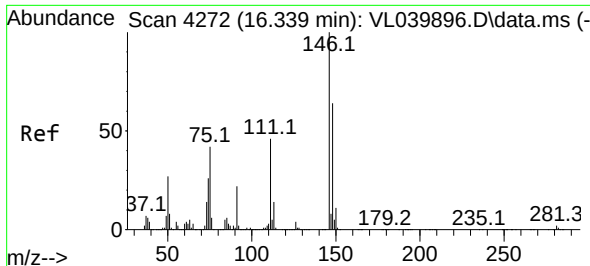
105 100

120 50.7 38.7 58.1

91 54.8 36.4 54.6#

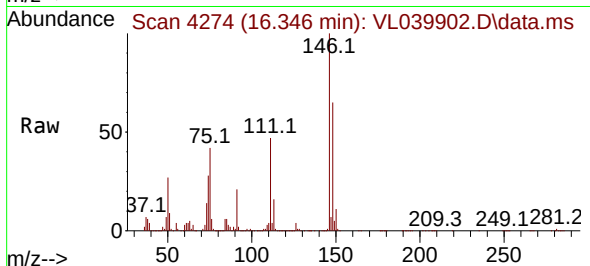
77 24.1 17.4 26.0





#75
1,3-Dichlorobenzene
Concen: 14.791 ppbv
RT: 16.346 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

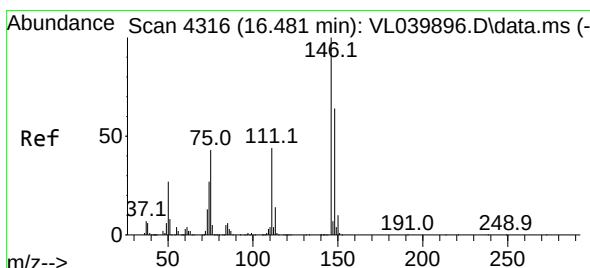
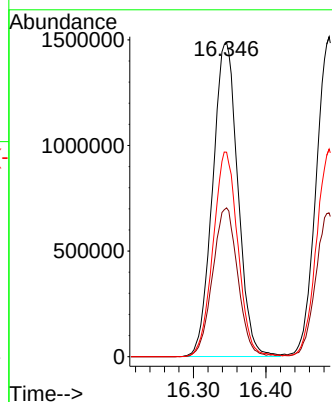
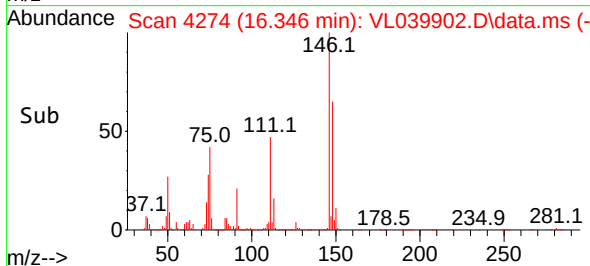
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



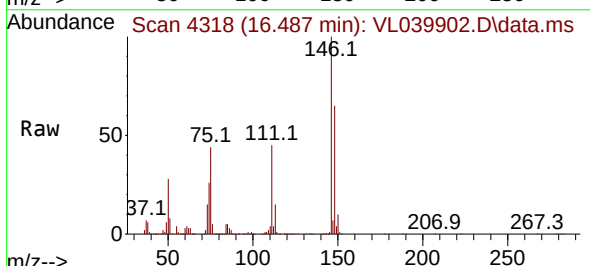
Tgt Ion:146 Resp: 3593362
Ion Ratio Lower Upper
146 100
111 47.5 23.3 69.9
148 64.0 32.2 96.6

Manual Integrations
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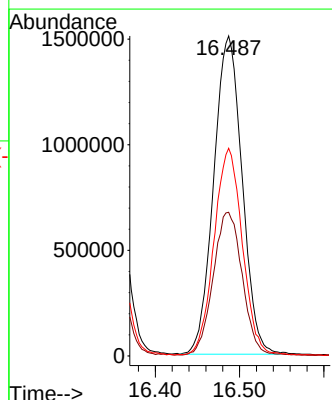
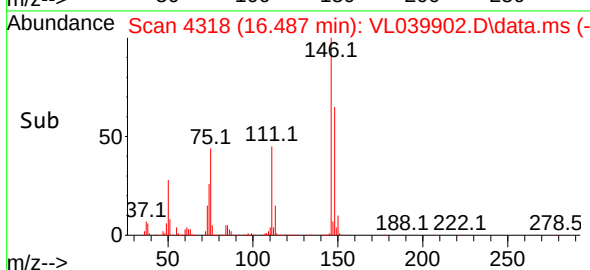
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

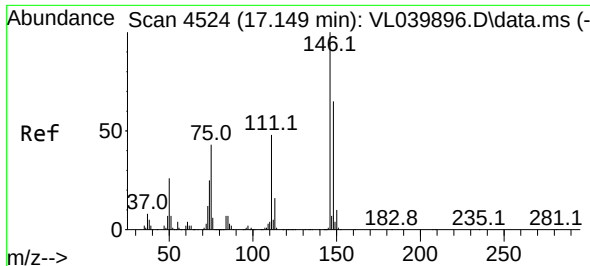


#76
1,4-Dichlorobenzene
Concen: 14.763 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



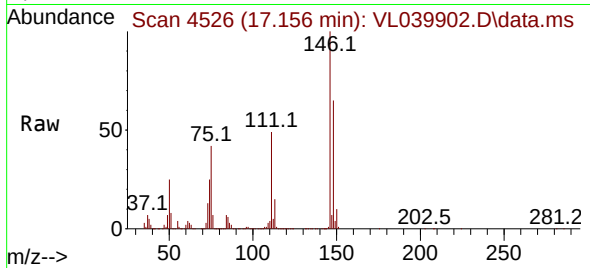
Tgt Ion:146 Resp: 3519463
Ion Ratio Lower Upper
146 100
111 46.4 22.4 67.3
148 66.0 32.3 96.9





#77
1,2-Dichlorobenzene
Concen: 14.805 ppbv
RT: 17.156 min Scan# 4524
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

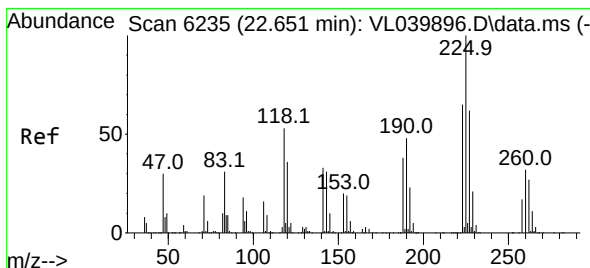
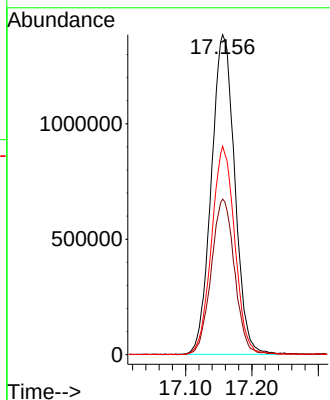
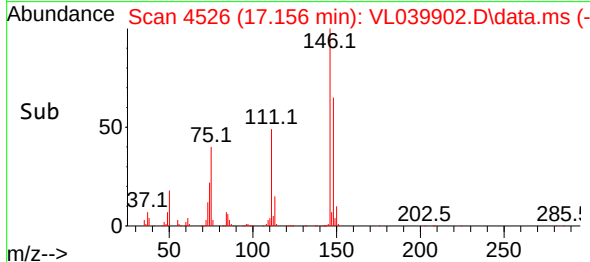
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:146 Resp: 3390640
Ion Ratio Lower Upper
146 100
111 48.7 24.1 72.3
148 64.9 32.4 97.2

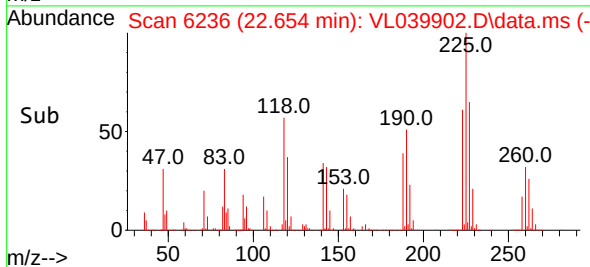
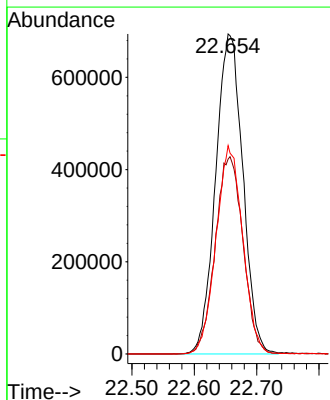
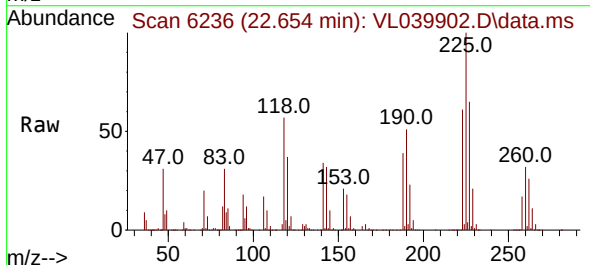
Manual Integrations
APPROVED

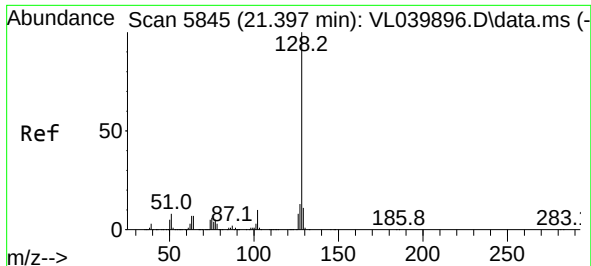
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#78
Hexachloro-1,3-Butadiene
Concen: 12.401 ppbv
RT: 22.654 min Scan# 6236
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

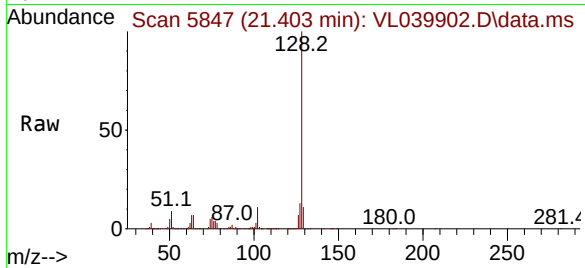
Tgt Ion:225 Resp: 2104210
Ion Ratio Lower Upper
225 100
223 63.1 50.7 76.1
227 63.8 50.8 76.2





#79
Naphthalene
Concen: 14.006 ppbv
RT: 21.403 min Scan# 5845
Delta R.T. 0.006 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34

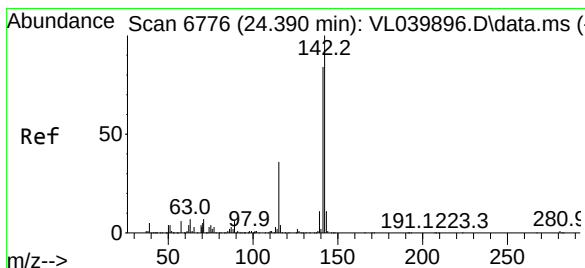
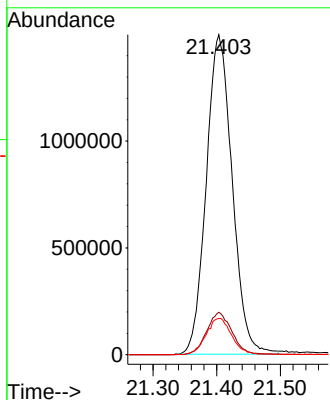
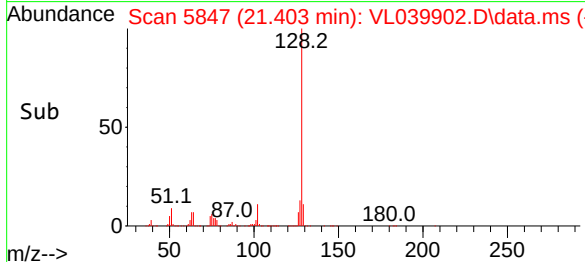
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



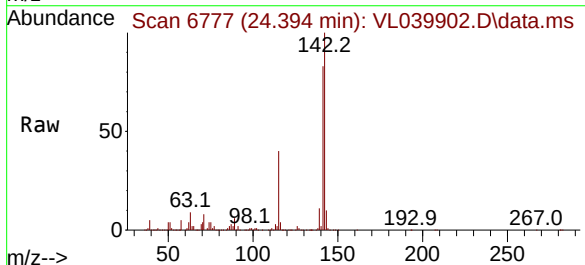
Tgt Ion:128 Resp: 423672
Ion Ratio Lower Upper
128 100
127 13.2 10.0 15.0
129 11.2 8.8 13.2

Manual Integrations
APPROVED

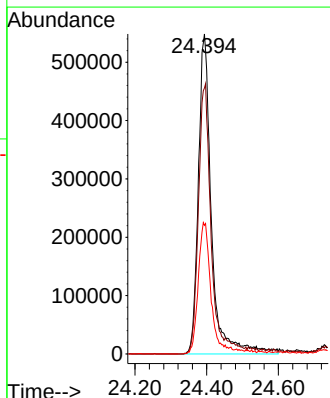
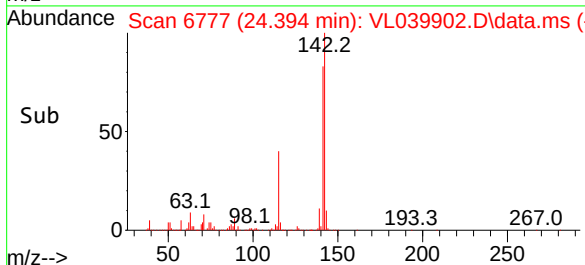
Reviewed By :Semsettin Yesilyurt 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

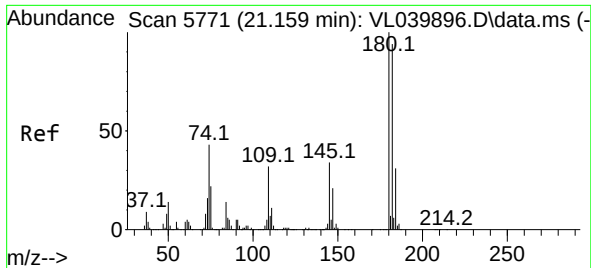


#80
Naphthalene,2-methyl-
Concen: 10.880 ppbv
RT: 24.394 min Scan# 6777
Delta R.T. 0.003 min
Lab File: VL039902.D
Acq: 18 Nov 2022 12:34



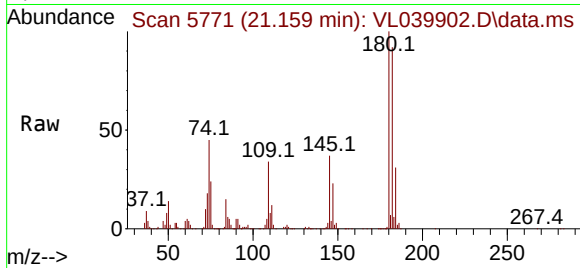
Tgt Ion:142 Resp: 1395347
Ion Ratio Lower Upper
142 100
141 81.7 69.1 103.7
115 42.0 29.6 44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 13.838 ppbv
 RT: 21.159 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL039902.D
 Acq: 18 Nov 2022 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 234144

Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.0	115.6
184	31.1	25.2	37.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

