

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040992.D
 Acq On : 23 Jan 2024 11:01
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 23 12:09:00 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Tue Jan 23 11:01:31 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.157	49	1032462	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.613	114	2803519	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2535465	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.735 95 1878448 10.058 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	244753	1.245	ppbv	99
3) Chlorodifluoromethane	2.645	51	193620	1.246	ppbv	99
4) Chloromethane	2.780	50	69946	1.221	ppbv	91
5) Vinyl Chloride	2.893	62	68984	1.247	ppbv	97
6) Bromomethane	3.089	94	30115	1.228	ppbv	97
7) Chloroethane	3.163	64	25250m	1.281	ppbv	
8) Dichlorotetrafluoroethane	2.825	85	180945	1.277	ppbv	94
9) Propene	2.665	41	59661	1.164	ppbv	97
10) Heptane	7.536	43	148974m	1.169	ppbv	
11) Trichlorofluoromethane	3.530	101	200870	1.306	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.034	101	147074	1.232	ppbv	99
13) Ethanol	3.221	45	16860m	1.304	ppbv	
14) Bromoethene	3.333	108	52704	1.204	ppbv #	92
15) Acetone	3.443	43	145827	1.178	ppbv	99
16) 1,3-Butadiene	2.954	39	66723	1.251	ppbv	94
17) tert-Butyl alcohol	3.854	59	119419	1.304	ppbv	97
18) 1,1-Dichloroethene	3.848	96	61958	1.257	ppbv	92
19) Isopropyl Alcohol	3.555	45	79312	1.227	ppbv #	96
20) Methylene Chloride	3.903	84	53465	1.211	ppbv	96
21) Allyl Chloride	3.964	41	88982m	1.216	ppbv	
22) trans-1,2-Dichloroethene	4.411	96	61472	1.094	ppbv	96
23) Vinyl Acetate	4.597	43	148975	1.091	ppbv	98
24) 1,1-Dichloroethane	4.530	63	126894	1.038	ppbv	99
25) Ethyl Acetate	5.176	43	260095	1.212	ppbv	99
26) Hexane	5.176	57	107469	1.130	ppbv	93
27) Carbon Disulfide	4.092	76	125448	0.975	ppbv #	84
28) Methyl tert-Butyl Ether	4.555	73	90408m	1.025	ppbv	
29) Chloroform	5.237	83	190497	1.187	ppbv	99
30) Cyclohexane	6.562	84	90527	1.142	ppbv	94
31) cis-1,2-Dichloroethene	5.047	61	96509m	0.988	ppbv	
32) 1,1,1-Trichloroethane	5.967	97	192998	1.244	ppbv	99
34) 2-Butanone	4.761	43	135470	0.913	ppbv	96
35) Carbon Tetrachloride	6.452	117	195707	1.115	ppbv	96
36) Benzene	6.333	78	239834	1.094	ppbv	95
37) 1,2-Dichloroethane	5.771	62	144640	1.101	ppbv	99
38) Trichloroethene	7.250	130	91788	1.115	ppbv	96
39) 1,2-Dichloropropane	7.034	63	94863	1.101	ppbv	97
40) 1,4-Dioxane	7.272	88	41027m	1.128	ppbv	
41) Tetrahydrofuran	5.536	42	84224	0.933	ppbv	90
42) Bromodichloromethane	7.211	83	204971	1.082	ppbv	97
43) Methyl Methacrylate	7.439	69	85896	0.999	ppbv	94
44) 2,2,4-Trimethylpentane	7.288	57	415145	1.115	ppbv	100
45) t-1,3-Dichloropropene	8.674	75	51347	0.805	ppbv	98

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 23 12:09:00 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Tue Jan 23 11:01:31 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.102	75	70057m	0.887	ppbv	
47) 1,1,2-Trichloroethane	8.854	97	102940	1.127	ppbv	98
48) Dibromochloromethane	9.668	129	161107	1.033	ppbv	99
49) Bromoform	12.365	173	125479	1.043	ppbv	98
50) 4-Methyl-2-Pentanone	8.153	43	225361	1.003	ppbv	98
51) 2-Hexanone	9.529	43	167737	1.038	ppbv #	97
52) Tetrachloroethene	10.574	164	81107	1.099	ppbv	89
53) Toluene	9.185	91	254705m	1.048	ppbv	
54) 1,2-Dibromoethane	9.970	107	135796	1.083	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.468	131	126011	1.137	ppbv #	1
57) Chlorobenzene	11.484	112	212779	1.140	ppbv	97
58) Ethyl Benzene	12.044	91	345939	1.062	ppbv	91
59) m/p-Xylene	12.323	91	624396m	2.254	ppbv	
60) o-Xylene	13.018	91	302749m	1.160	ppbv	
61) Styrene	12.857	104	124913	1.007	ppbv	98
62) Isopropylbenzene	13.989	105	447400	1.156	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.008	83	233412	1.241	ppbv	99
64) n-propylbenzene	14.873	120	110834	1.142	ppbv	88
65) tert-Butylbenzene	16.050	119	388194	1.180	ppbv	93
66) Benzyl Chloride	16.285	91	21551m	0.957	ppbv	
67) sec-Butylbenzene	16.597	105	572022	1.196	ppbv	99
69) p-Isopropyltoluene	16.957	119	436446	1.174	ppbv	98
70) n-Butylbenzene	17.851	91	459270	1.190	ppbv	99
71) 2-Chlorotoluene	14.761	91	342566	1.149	ppbv	99
72) 4-Ethyltoluene	15.153	105	323511	1.129	ppbv	99
73) 1,3,5-Trimethylbenzene	15.314	105	286769	1.160	ppbv	96
74) 1,2,4-Trimethylbenzene	16.063	105	340844	1.239	ppbv	98
75) 1,3-Dichlorobenzene	16.294	146	188796m	1.201	ppbv	
76) 1,4-Dichlorobenzene	16.429	146	180994	1.177	ppbv	99
77) 1,2-Dichlorobenzene	17.105	146	188478	1.245	ppbv	96
78) Hexachloro-1,3-Butadiene	22.587	225	132150m	1.419	ppbv	
79) Naphthalene	21.342	128	177975	1.342	ppbv #	95
80) Naphthalene,2-methyl-	24.349	142	18277	0.754	ppbv	98
81) 1,2,4-Trichlorobenzene	21.101	180	106210m	1.395	ppbv	

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

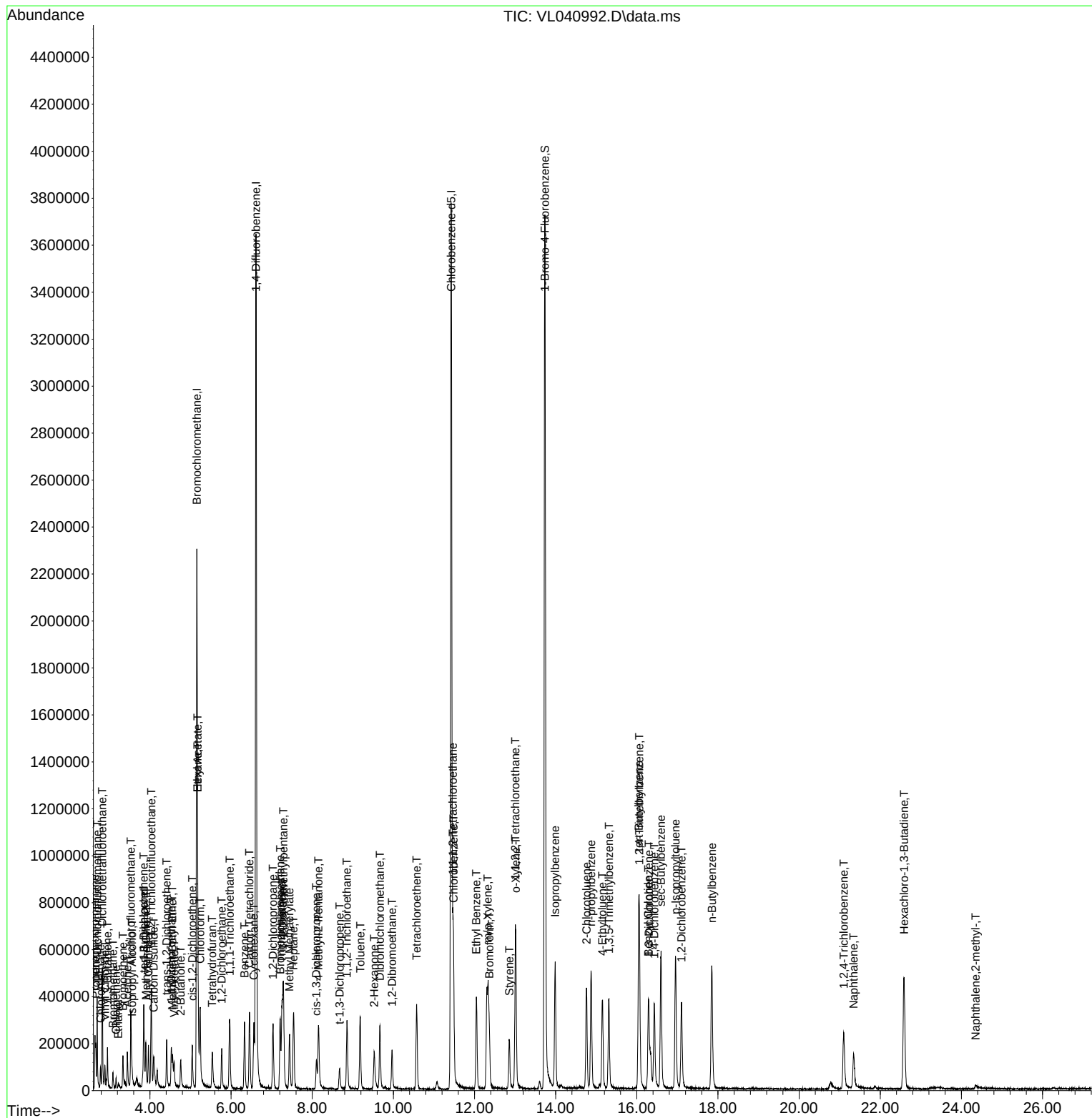
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL040992.D
Acq On : 23 Jan 2024 11:01
Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

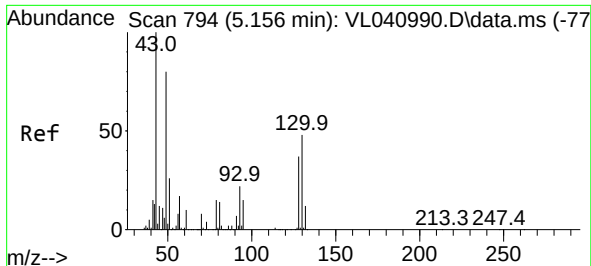
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

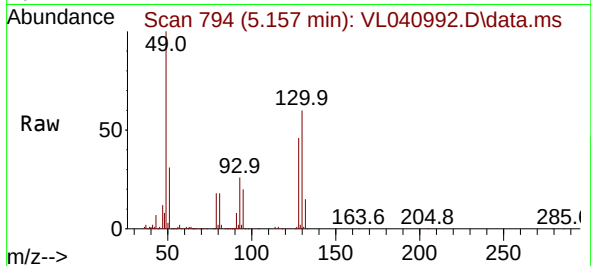
Quant Time: Jan 23 12:09:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 23 11:01:31 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.157 min Scan# 794
Delta R.T. 0.001 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

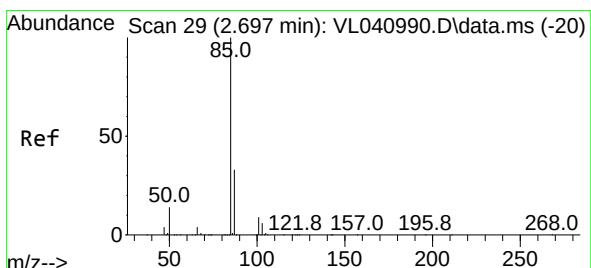
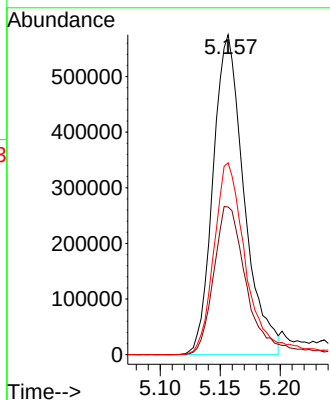
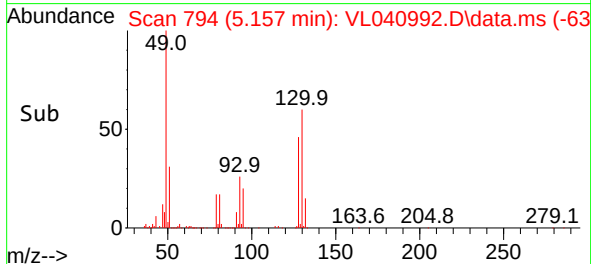
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 49 Resp: 1032462
Ion Ratio Lower Upper
49 100
128 50.8 23.9 71.7
130 65.0 31.1 93.5

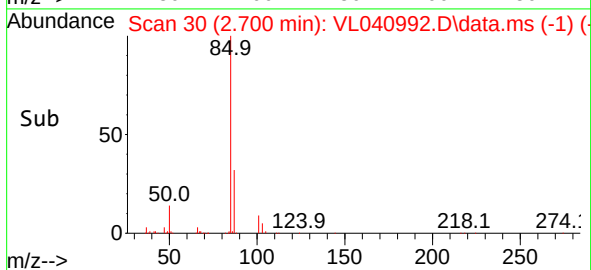
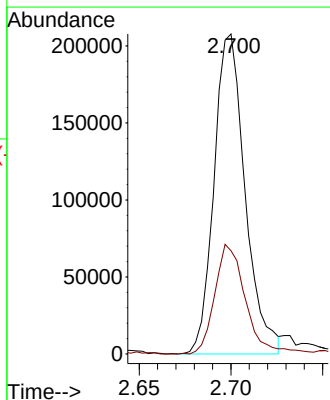
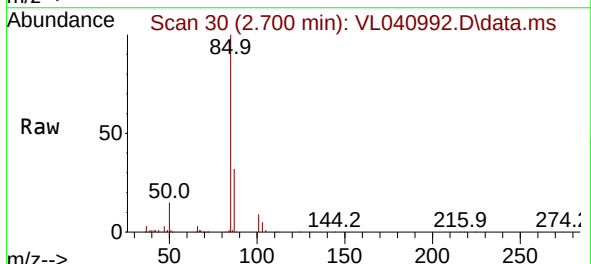
Manual Integrations
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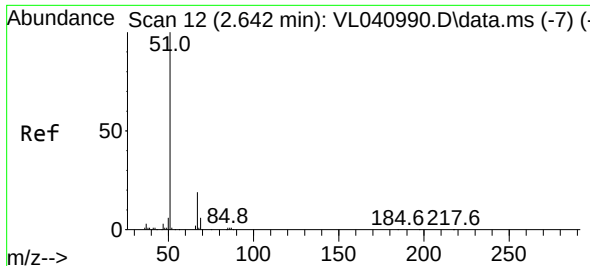
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#2
Dichlorodifluoromethane
Concen: 1.245 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

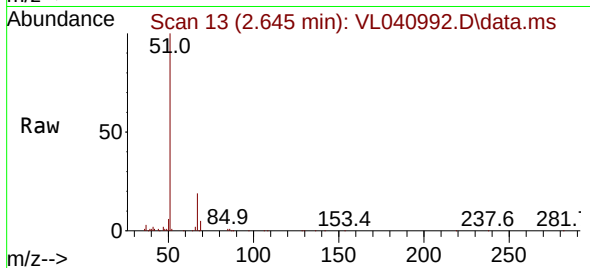
Tgt Ion: 85 Resp: 244753
Ion Ratio Lower Upper
85 100
87 32.2 26.3 39.5





#3
Chlorodifluoromethane
Concen: 1.246 ppbv
RT: 2.645 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

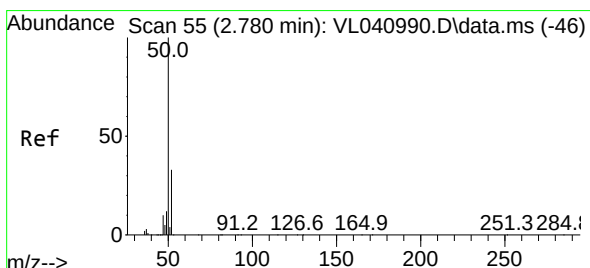
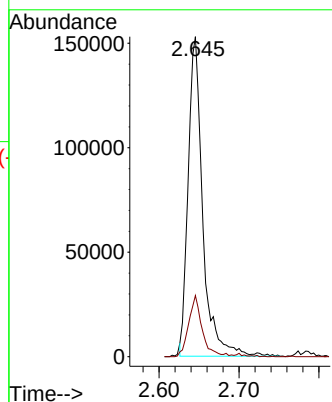
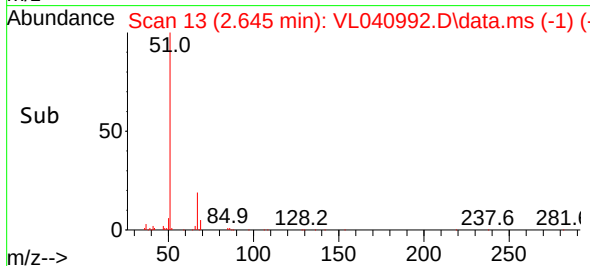
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



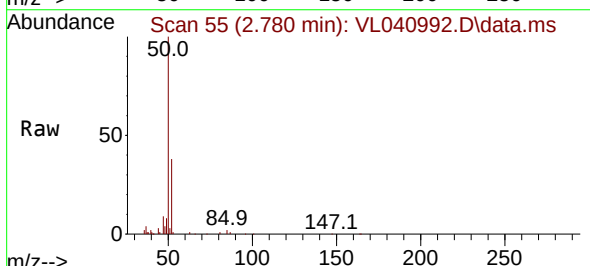
Tgt Ion: 51 Resp: 193620
Ion Ratio Lower Upper
51 100
67 18.2 14.8 22.2

Manual Integrations
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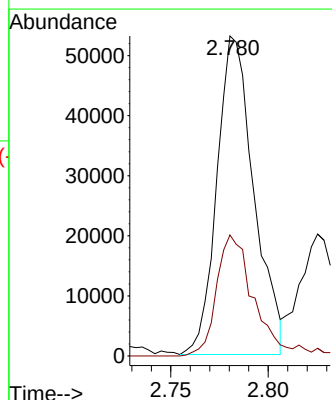
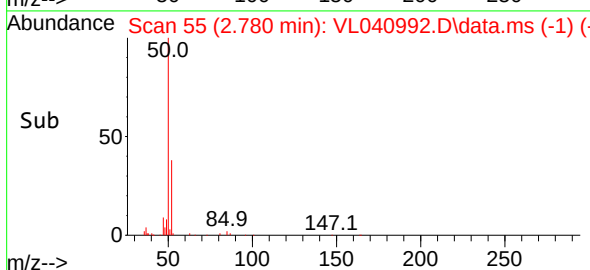
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

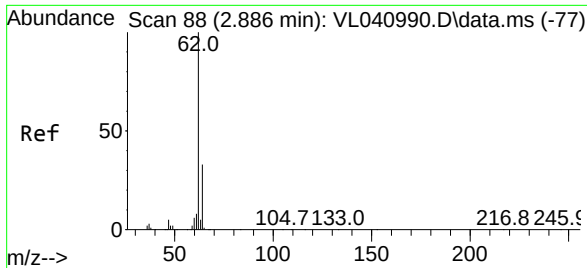


#4
Chloromethane
Concen: 1.221 ppbv
RT: 2.780 min Scan# 55
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01



Tgt Ion: 50 Resp: 69946
Ion Ratio Lower Upper
50 100
52 38.0 26.2 39.4





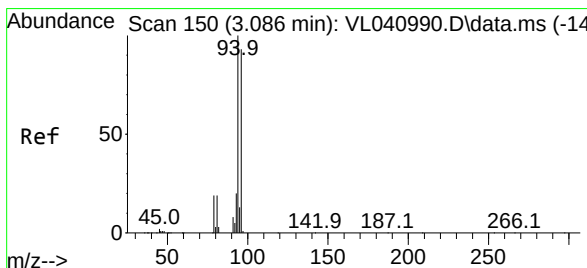
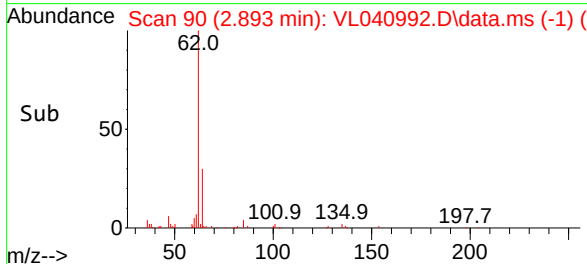
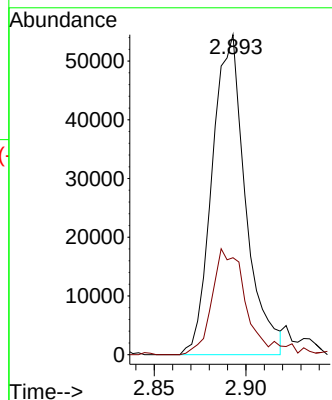
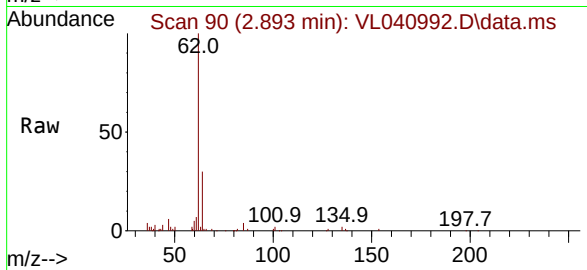
#5
 Vinyl Chloride
 Concen: 1.247 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 68984
 Ion Ratio Lower Upper
 62 100
 64 31.4 26.6 40.0

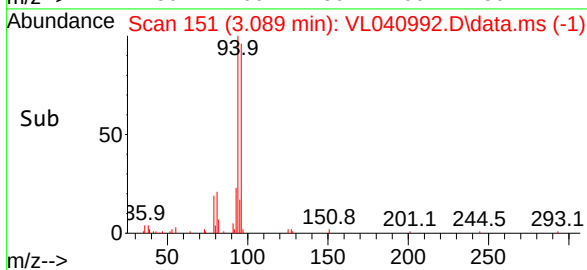
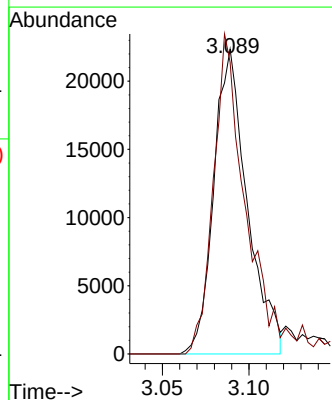
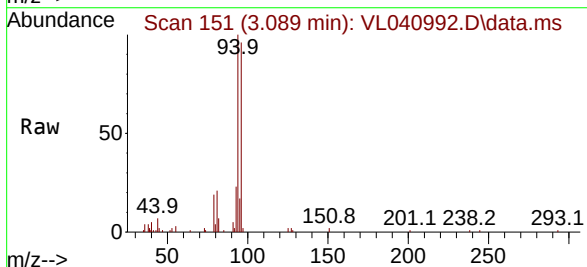
Manual Integrations
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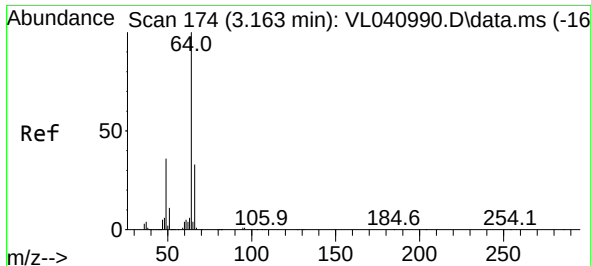
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#6
 Bromomethane
 Concen: 1.228 ppbv
 RT: 3.089 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

Tgt Ion: 94 Resp: 30115
 Ion Ratio Lower Upper
 94 100
 96 95.7 74.2 111.4





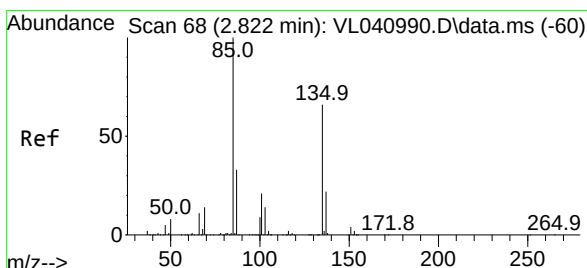
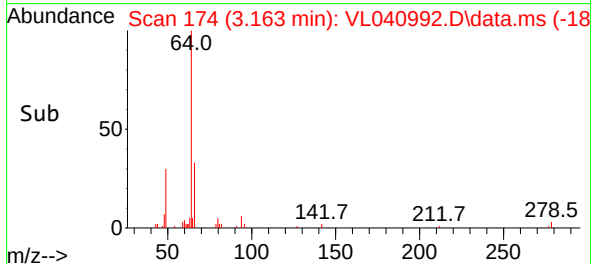
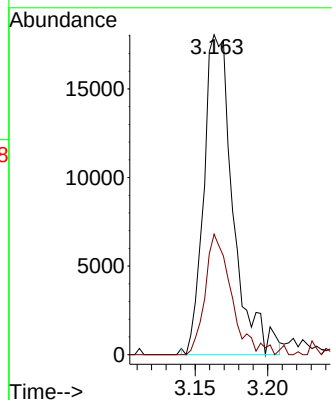
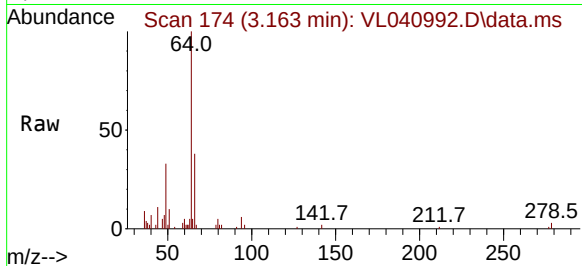
#7
Chloroethane
Concen: 1.281 ppbv m
RT: 3.163 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 25250
Ion Ratio Lower Upper
64 100
66 37.6 26.0 39.0

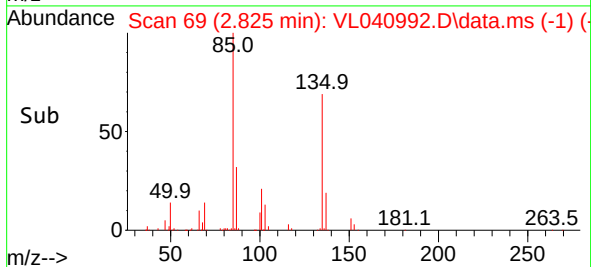
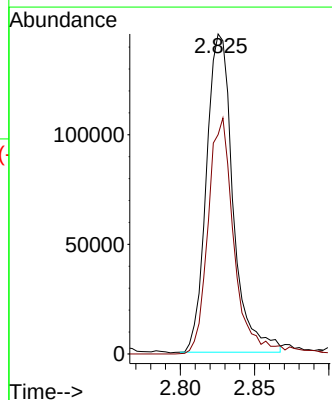
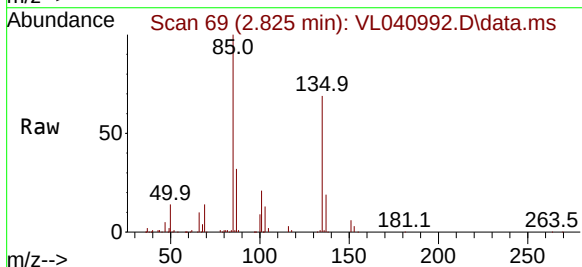
Manual Integrations
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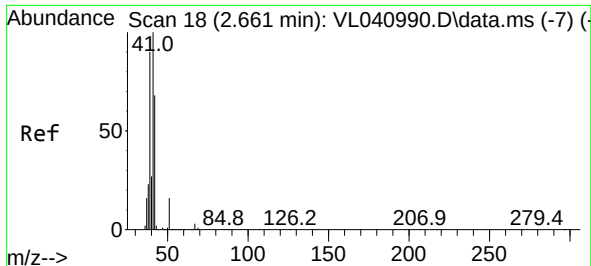
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#8
Dichlorotetrafluoroethane
Concen: 1.277 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 85 Resp: 180945
Ion Ratio Lower Upper
85 100
135 74.0 55.0 82.6





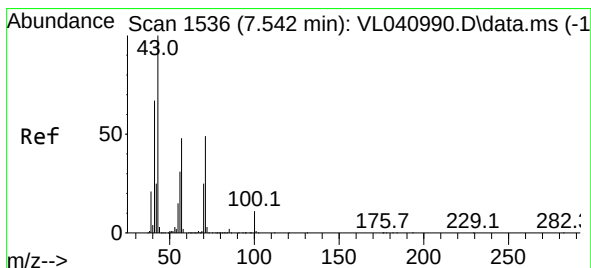
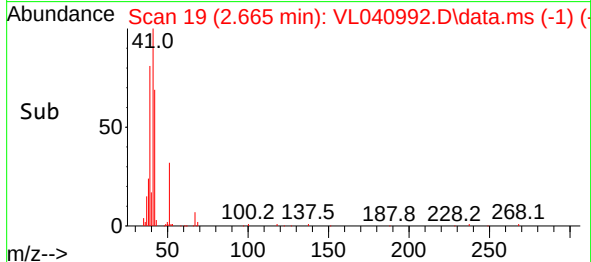
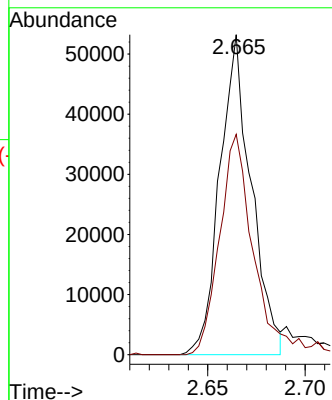
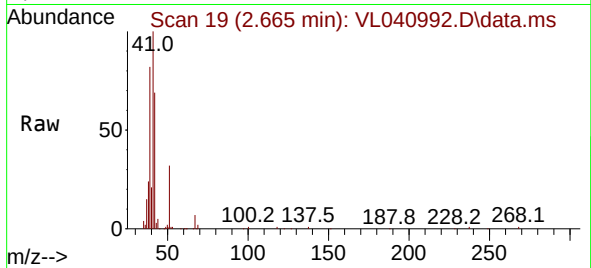
#9
 Propene
 Concen: 1.164 ppbv
 RT: 2.665 min Scan# 1534
 Delta R.T. 0.003 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 5966
 Ion Ratio Lower Upper
 41 100
 42 75.8 59.0 88.4

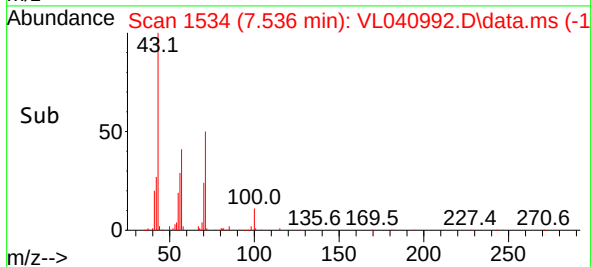
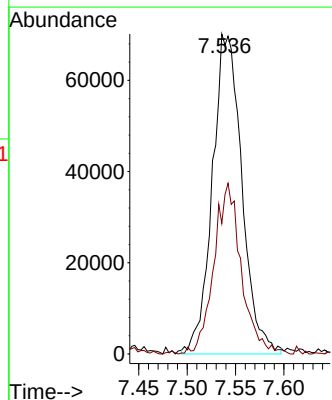
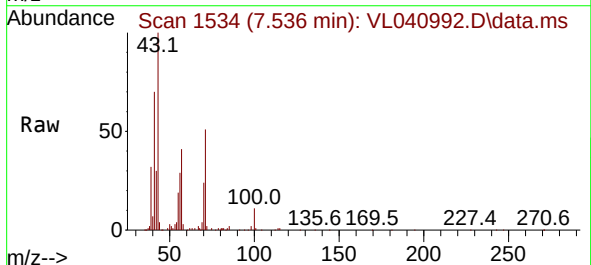
Manual Integrations
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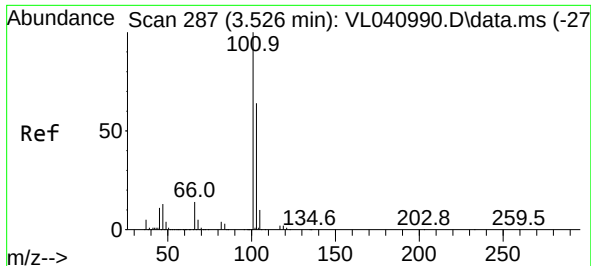
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#10
 Heptane
 Concen: 1.169 ppbv m
 RT: 7.536 min Scan# 1534
 Delta R.T. -0.006 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

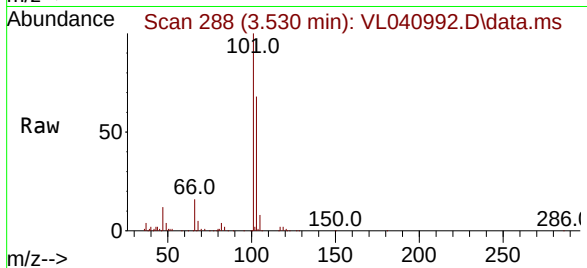
Tgt Ion: 43 Resp: 148974
 Ion Ratio Lower Upper
 43 100
 57 48.1 39.4 59.2





#11
 Trichlorofluoromethane
 Concen: 1.306 ppbv
 RT: 3.530 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

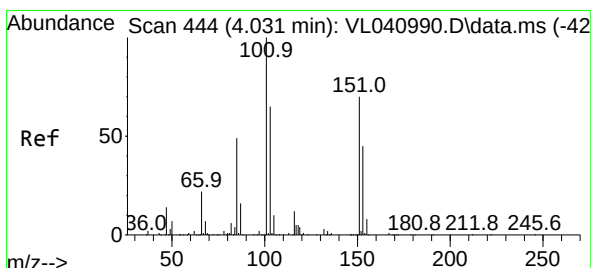
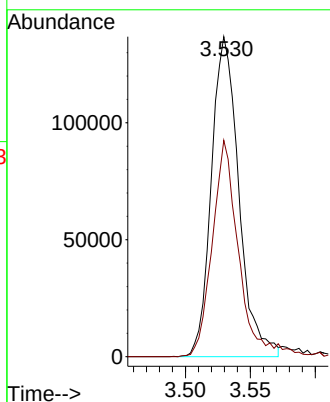
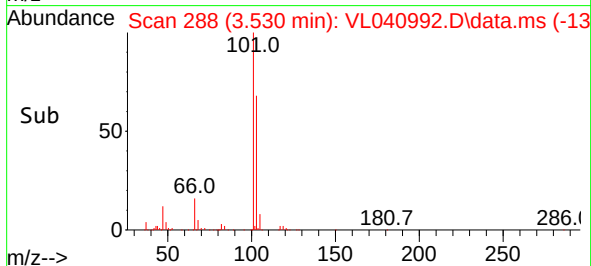
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:101 Resp: 200870
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.4 77.2

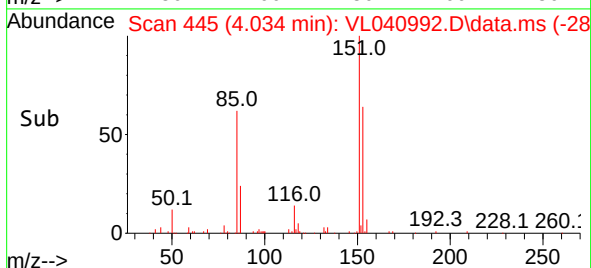
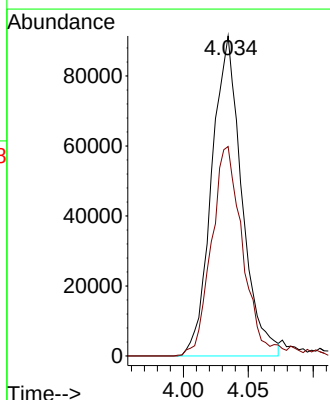
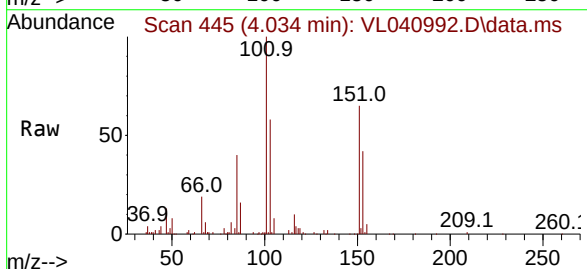
Manual Integrations
 APPROVED

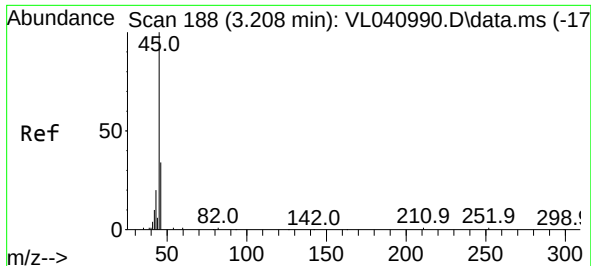
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.232 ppbv
 RT: 4.034 min Scan# 445
 Delta R.T. 0.003 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

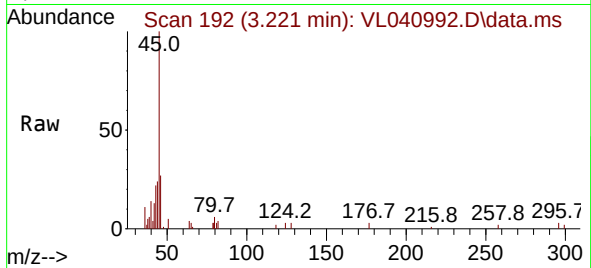
Tgt Ion:101 Resp: 147074
 Ion Ratio Lower Upper
 101 100
 151 70.2 56.6 85.0





#13
Ethanol
Concen: 1.304 ppbv m
RT: 3.221 min Scan# 192
Delta R.T. 0.013 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

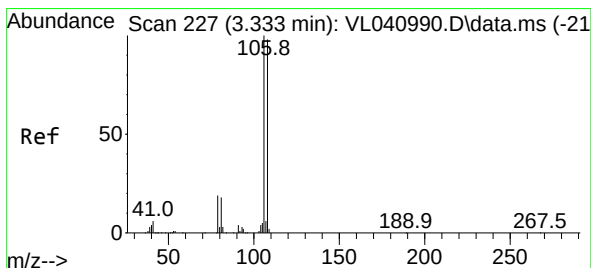
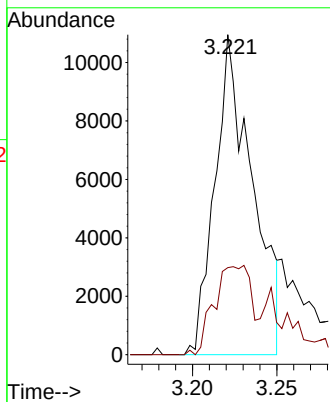
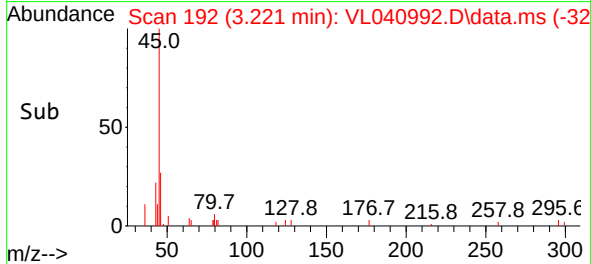
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 45 Resp: 16860
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8

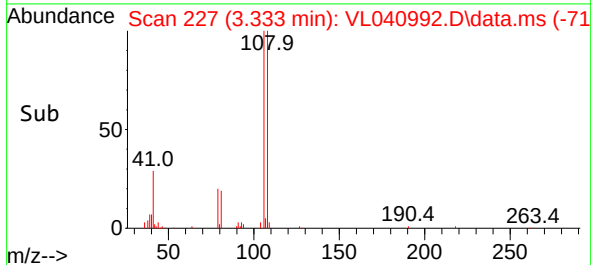
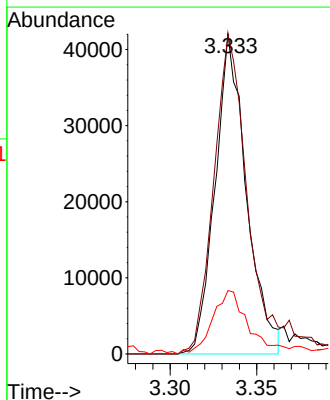
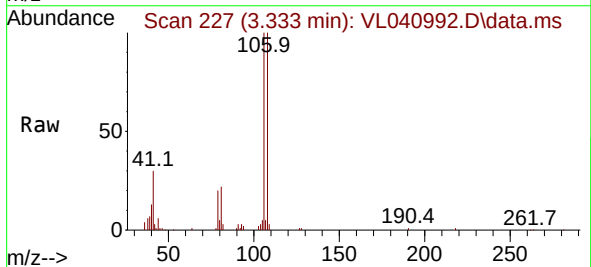
Manual Integrations
APPROVED

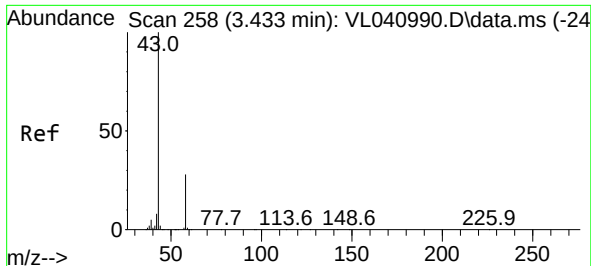
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#14
Bromoethene
Concen: 1.204 ppbv
RT: 3.333 min Scan# 227
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion:108 Resp: 52704
Ion Ratio Lower Upper
108 100
106 115.5 86.4 129.6
79 25.6 16.2 24.4





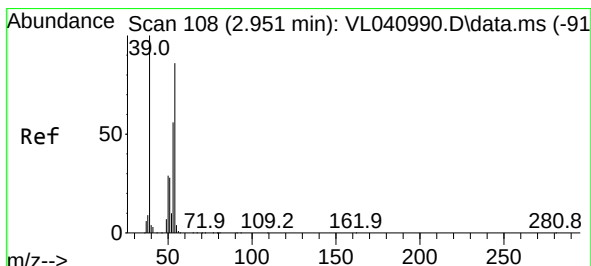
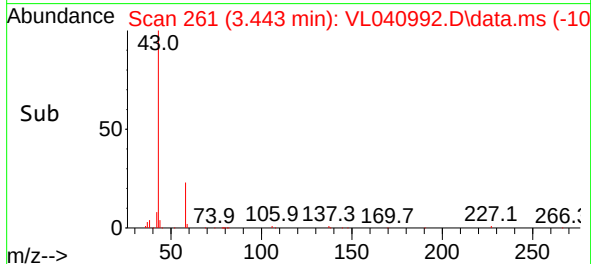
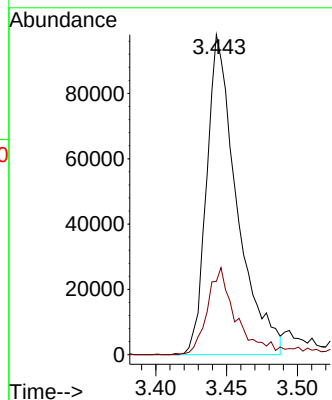
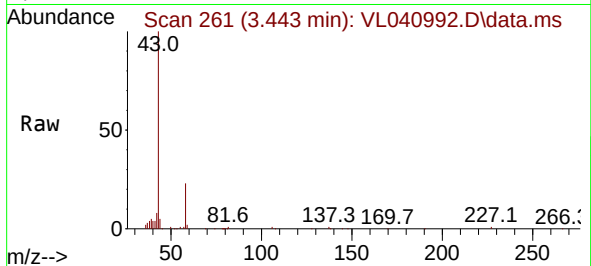
#15
Acetone
Concen: 1.178 ppbv
RT: 3.443 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 14582
Ion Ratio Lower Upper
43 100
58 26.9 22.2 33.2

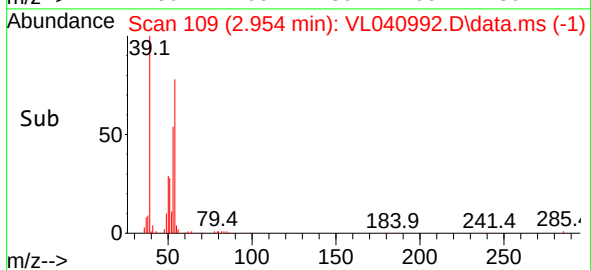
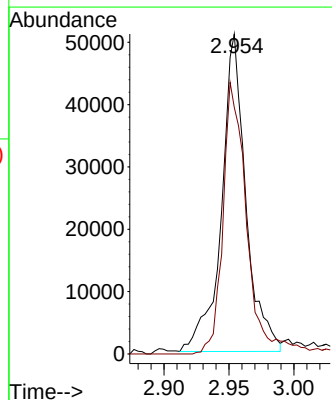
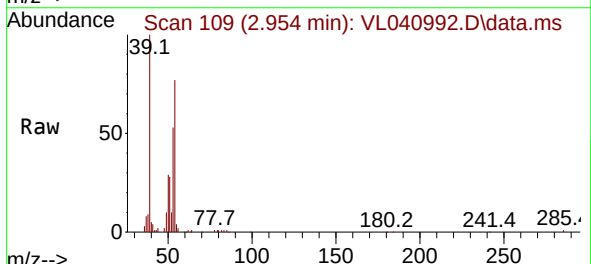
Manual Integrations
APPROVED

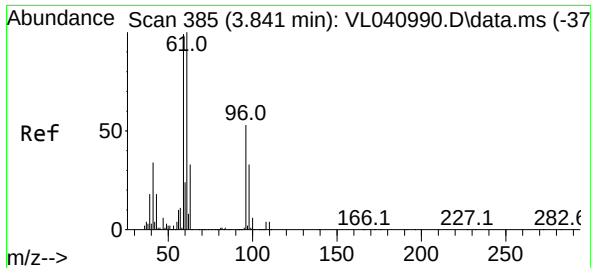
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#16
1,3-Butadiene
Concen: 1.251 ppbv
RT: 2.954 min Scan# 109
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 39 Resp: 66723
Ion Ratio Lower Upper
39 100
54 83.9 62.7 94.1





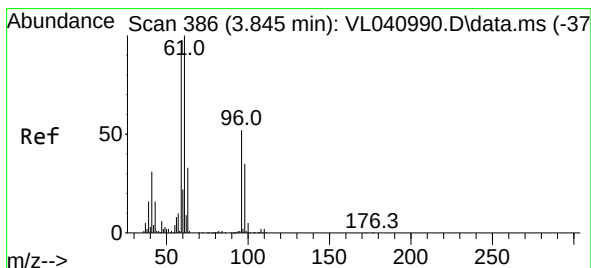
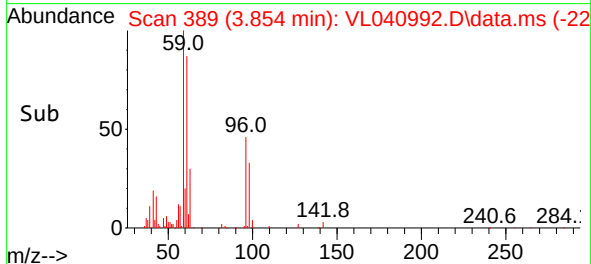
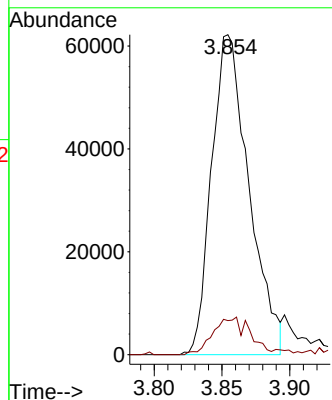
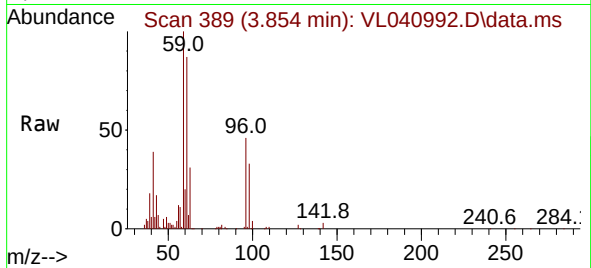
#17
tert-Butyl alcohol
Concen: 1.304 ppbv
RT: 3.854 min Scan# 389
Delta R.T. 0.013 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 119419
Ion Ratio Lower Upper
59 100
57 12.1 8.7 13.1

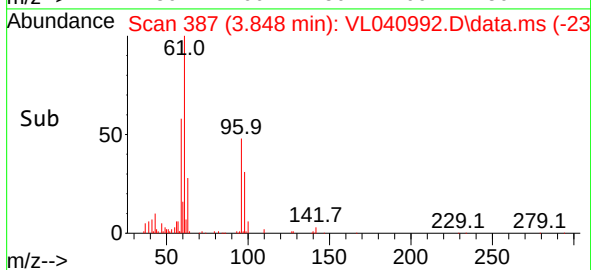
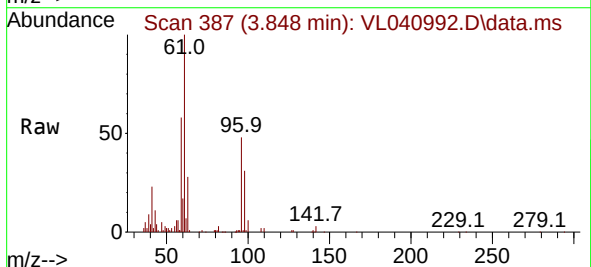
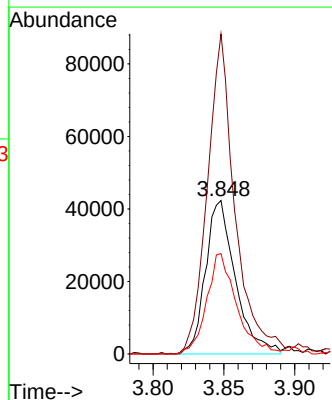
Manual Integrations
APPROVED

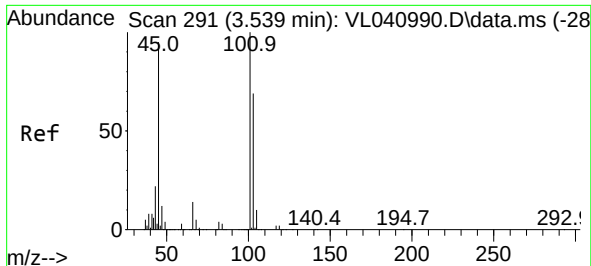
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#18
1,1-Dichloroethene
Concen: 1.257 ppbv
RT: 3.848 min Scan# 387
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 96 Resp: 61958
Ion Ratio Lower Upper
96 100
61 207.5 153.8 230.8
98 64.8 53.7 80.5





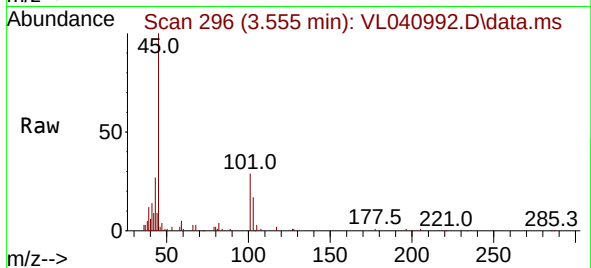
#19
Isopropyl Alcohol
Concen: 1.227 ppbv
RT: 3.555 min Scan# 291
Delta R.T. 0.016 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

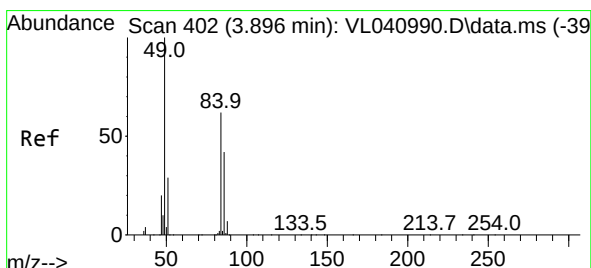
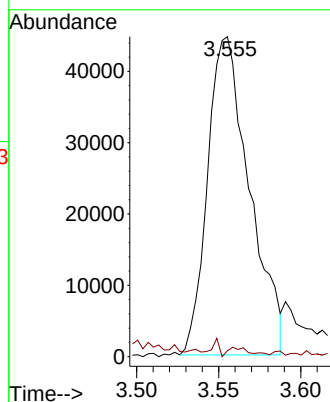
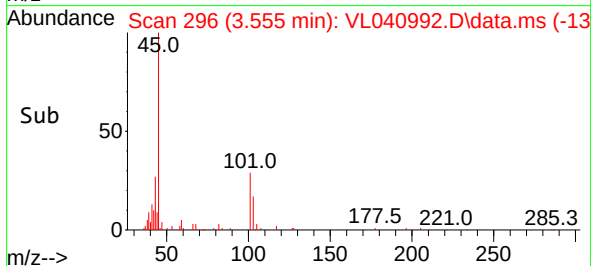


Tgt Ion: 45 Resp: 79312
Ion Ratio Lower Upper
45 100
58 4.1 2.2 3.4

Manual Integrations

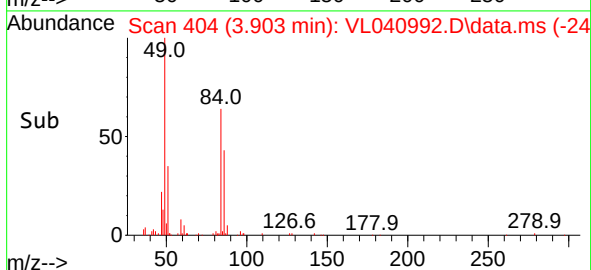
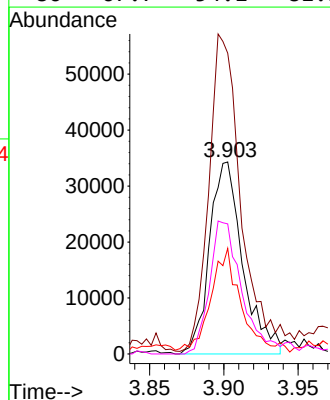
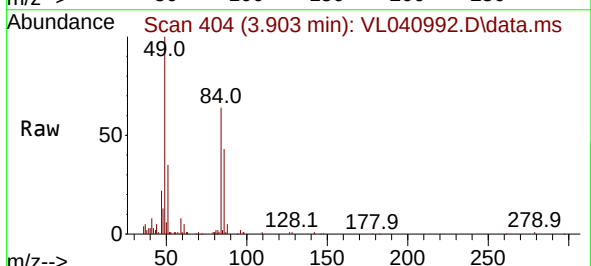
APPROVED

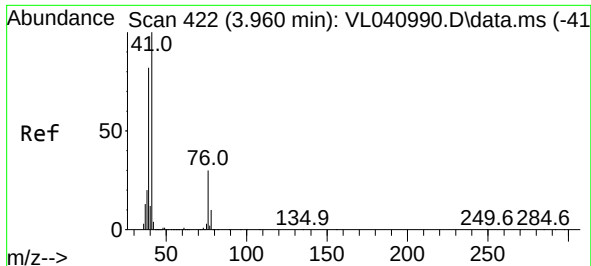
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#20
Methylene Chloride
Concen: 1.211 ppbv
RT: 3.903 min Scan# 404
Delta R.T. 0.006 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 84 Resp: 53465
Ion Ratio Lower Upper
84 100
49 155.3 128.1 192.1
51 51.0 36.5 54.7
86 67.7 54.1 81.1





#21

Allyl Chloride

Concen: 1.216 ppbv m

RT: 3.964 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

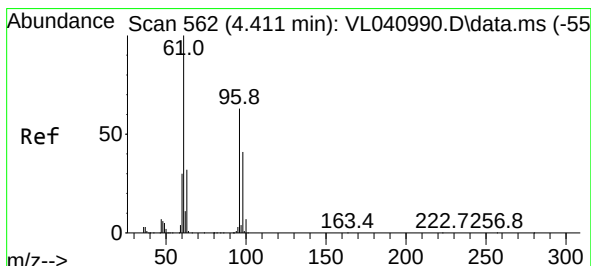
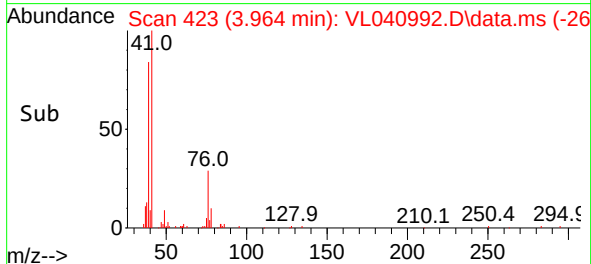
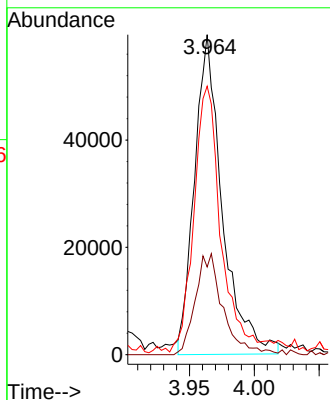
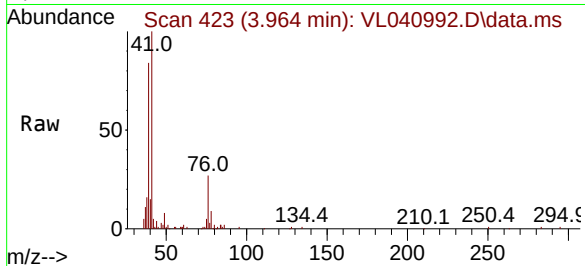
Tgt Ion: 41 Resp: 8898

Ion	Ratio	Lower	Upper
41	100		
76	31.8	25.0	37.4
39	88.8	67.0	100.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#22

trans-1,2-Dichloroethene

Concen: 1.094 ppbv

RT: 4.411 min Scan# 562

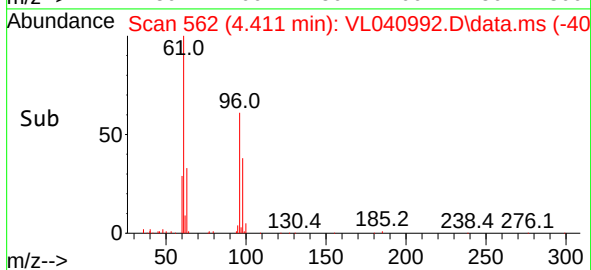
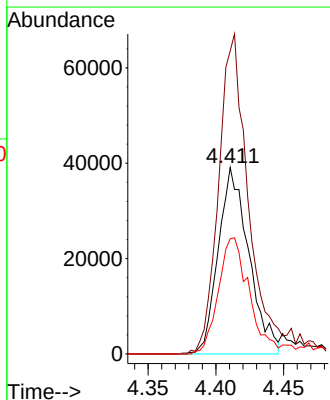
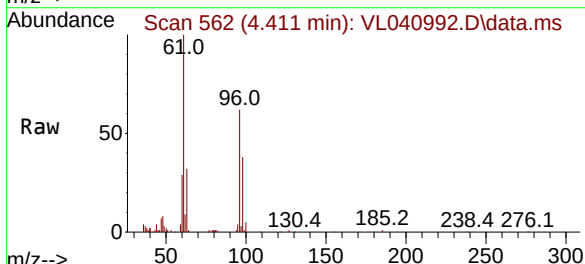
Delta R.T. 0.000 min

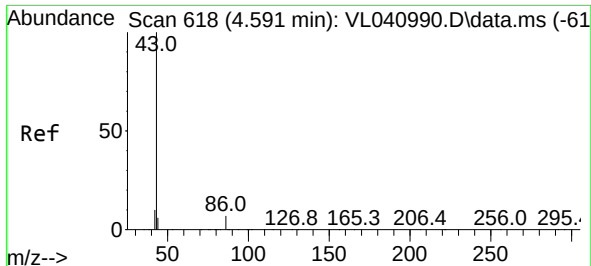
Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Tgt Ion: 96 Resp: 61472

Ion	Ratio	Lower	Upper
96	100		
61	162.6	126.0	189.0
98	61.8	51.2	76.8





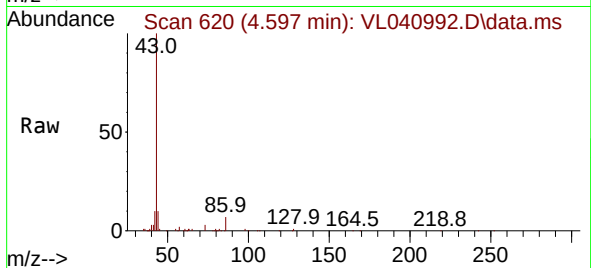
#23
 Vinyl Acetate
 Concen: 1.091 ppbv
 RT: 4.597 min Scan# 618
 Delta R.T. 0.006 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

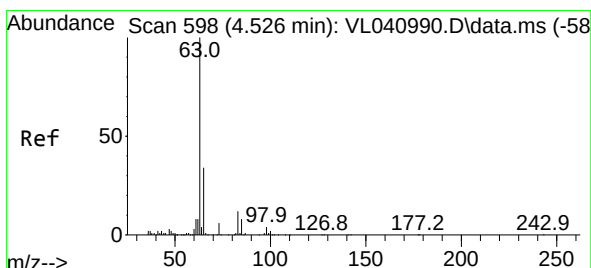
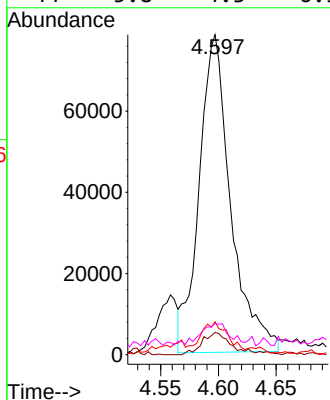
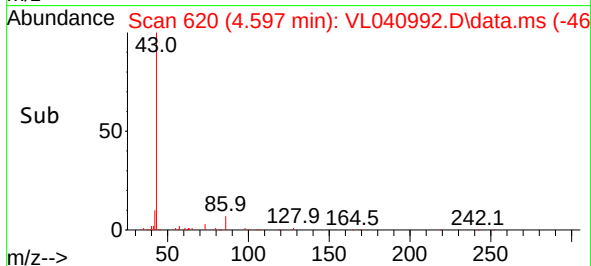


Tgt Ion: 43 Resp: 148975
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.4 8.0
 42 10.0 8.6 13.0
 44 5.8 4.3 6.5

Manual Integrations

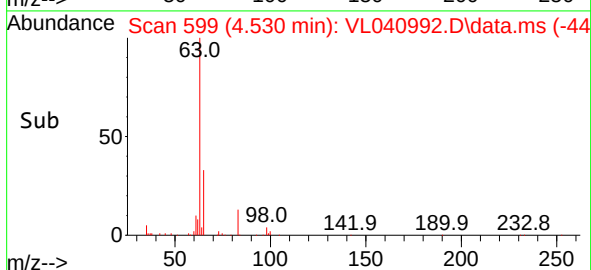
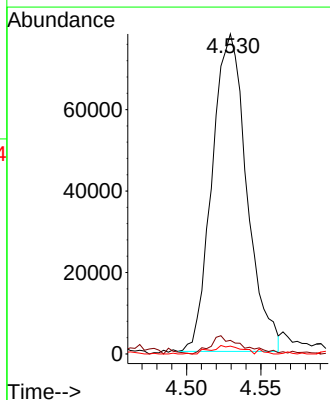
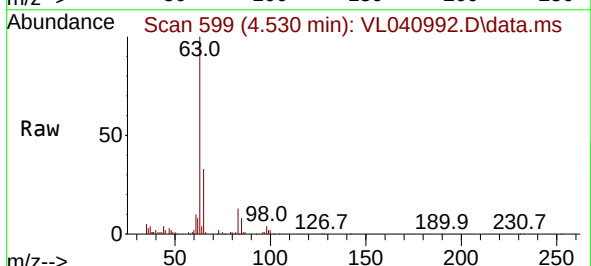
APPROVED

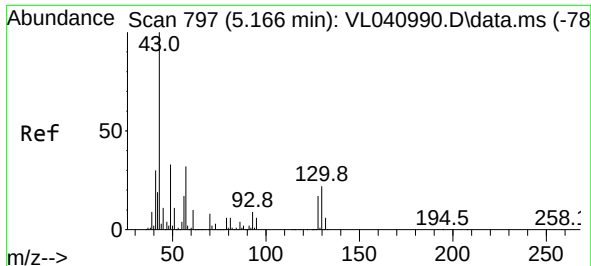
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#24
 1,1-Dichloroethane
 Concen: 1.038 ppbv
 RT: 4.530 min Scan# 599
 Delta R.T. 0.003 min
 Lab File: VL040992.D
 Acq: 23 Jan 2024 11:01

Tgt Ion: 63 Resp: 126894
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.1 6.3
 100 2.5 1.3 3.9





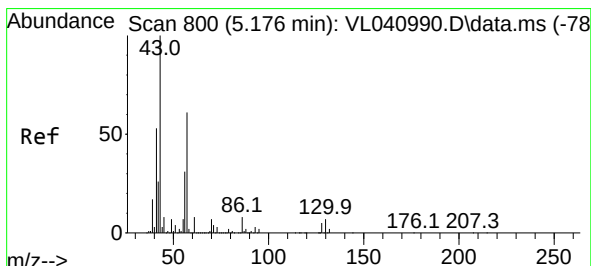
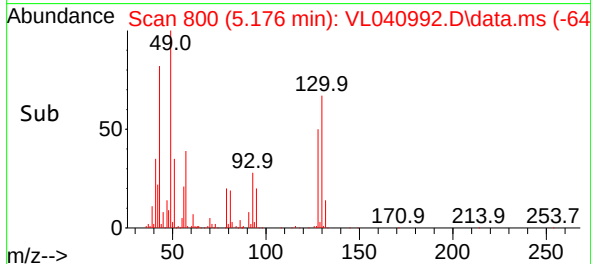
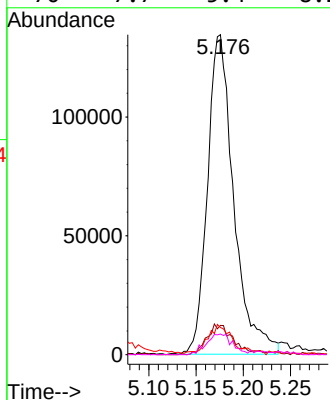
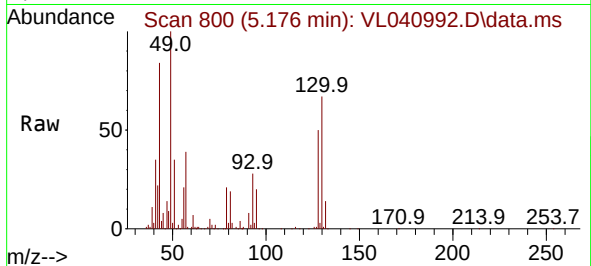
#25
Ethyl Acetate
Concen: 1.212 ppbv
RT: 5.176 min Scan# 800
Delta R.T. 0.010 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43	Resp: 26009
Ion Ratio	Lower Upper
43 100	
45 10.5	8.2 12.4
61 10.5	7.9 11.9
70 7.7	5.4 8.2

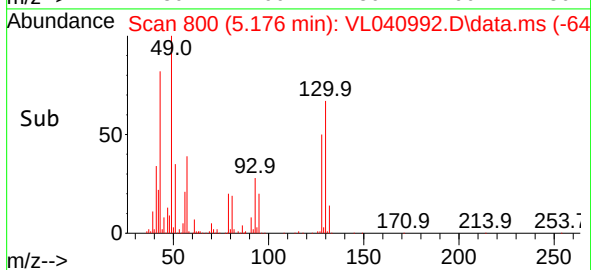
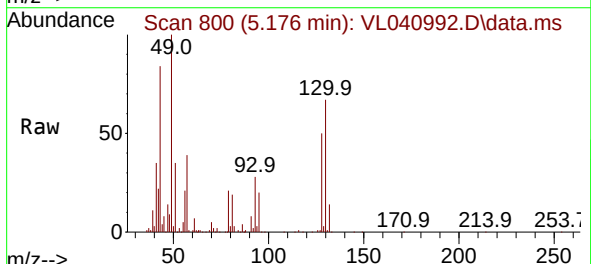
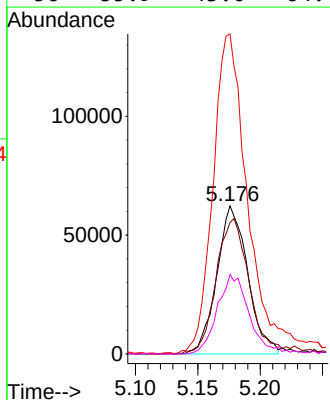
Manual Integrations
APPROVED

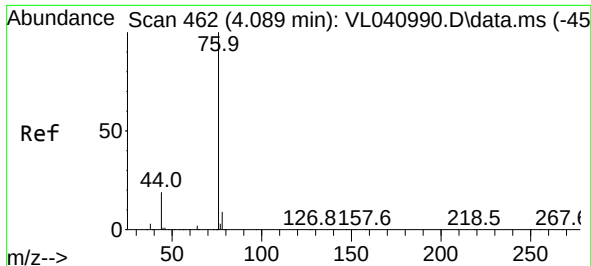
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#26
Hexane
Concen: 1.130 ppbv
RT: 5.176 min Scan# 800
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

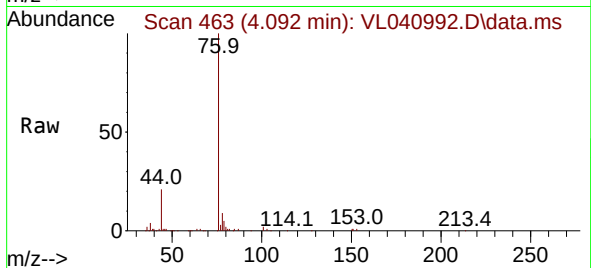
Tgt Ion: 57	Resp: 107469
Ion Ratio	Lower Upper
57 100	
41 100.2	74.4 111.6
43 251.8	190.6 285.8
56 55.9	43.0 64.4





#27
Carbon Disulfide
Concen: 0.975 ppbv
RT: 4.092 min Scan# 409
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

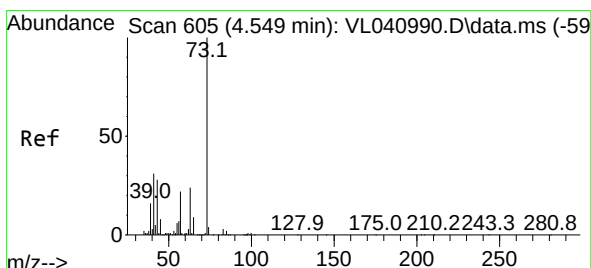
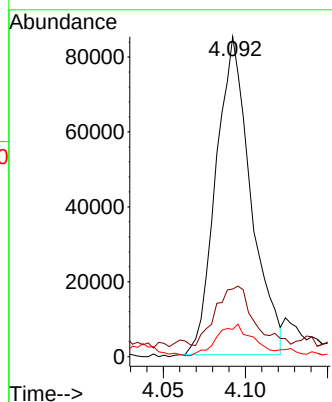
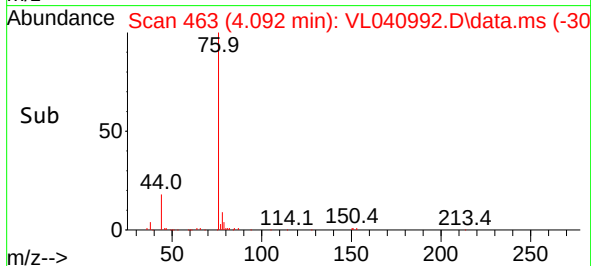
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 76 Resp: 125448
Ion Ratio Lower Upper
76 100
44 28.0 16.0 24.0
78 14.2 7.8 11.8

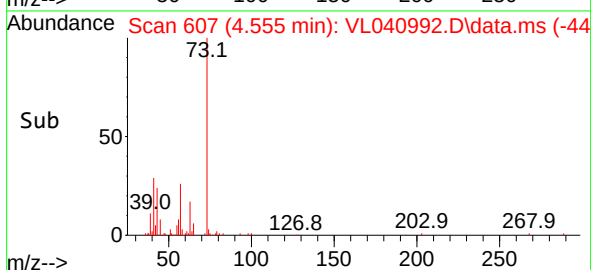
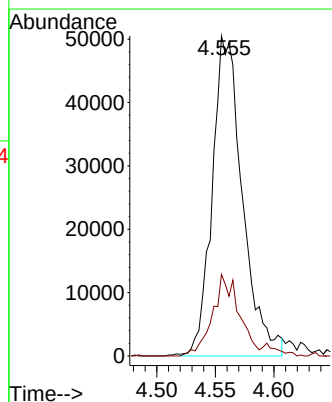
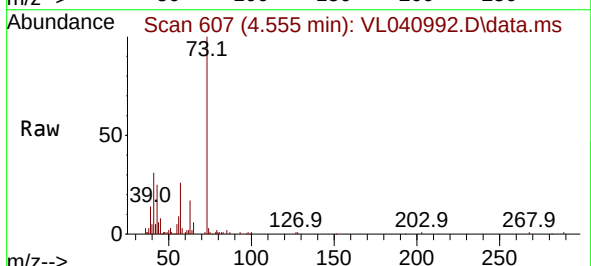
Manual Integrations
APPROVED

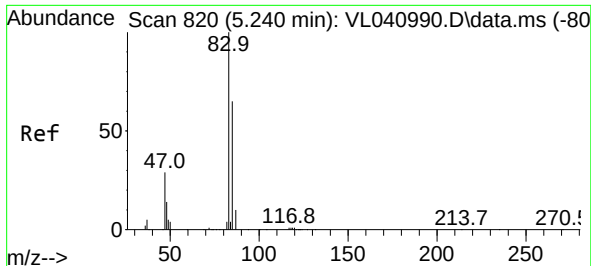
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#28
Methyl tert-Butyl Ether
Concen: 1.025 ppbv m
RT: 4.555 min Scan# 607
Delta R.T. 0.006 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 73 Resp: 90408
Ion Ratio Lower Upper
73 100
57 24.3 18.0 27.0





#29

Chloroform

Concen: 1.187 ppbv

RT: 5.237 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040992.D

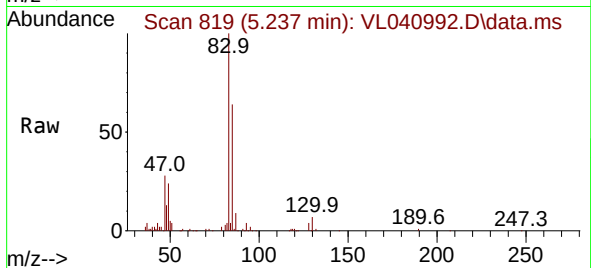
Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion: 83 Resp: 19049

Ion Ratio Lower Upper

83 100

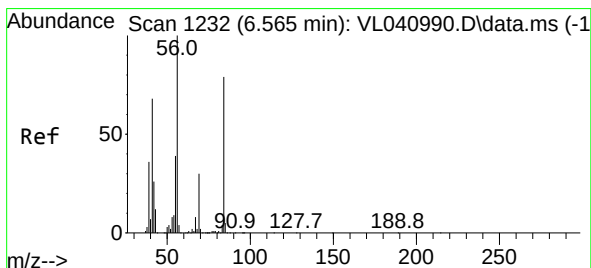
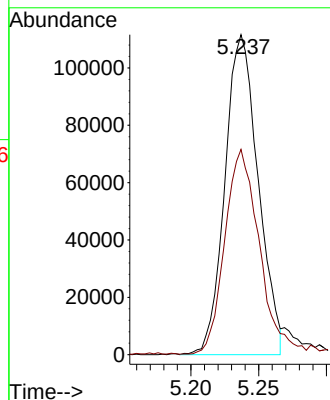
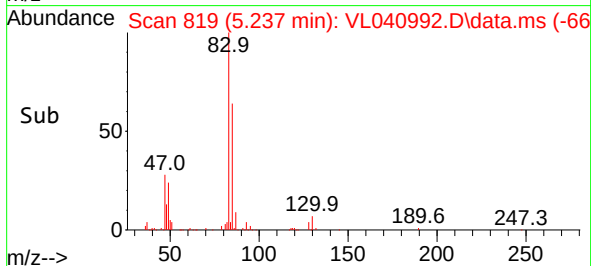
85 64.0 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#30

Cyclohexane

Concen: 1.142 ppbv

RT: 6.562 min Scan# 1231

Delta R.T. -0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

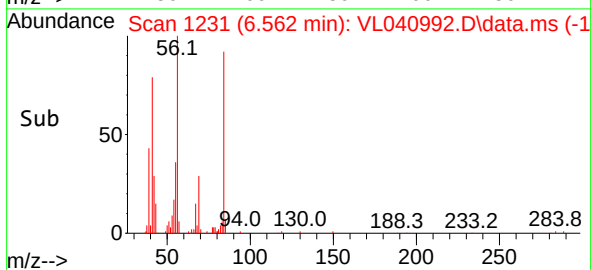
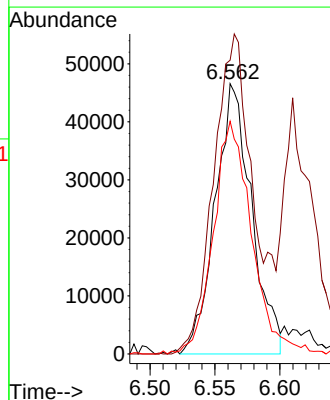
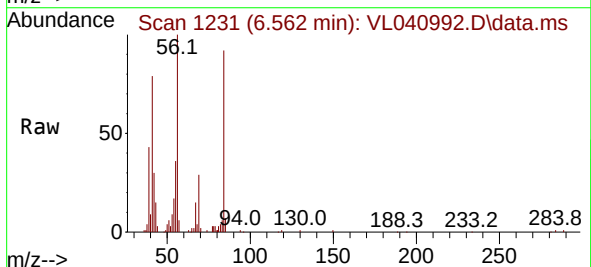
Tgt Ion: 84 Resp: 90527

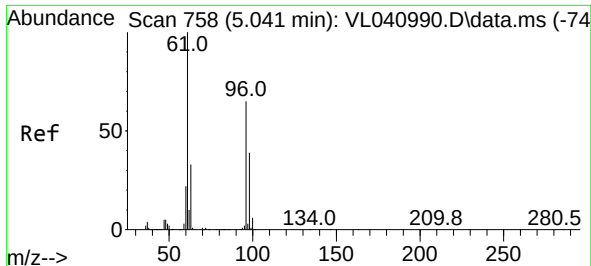
Ion Ratio Lower Upper

84 100

56 129.6 111.7 167.5

41 91.5 71.0 106.6





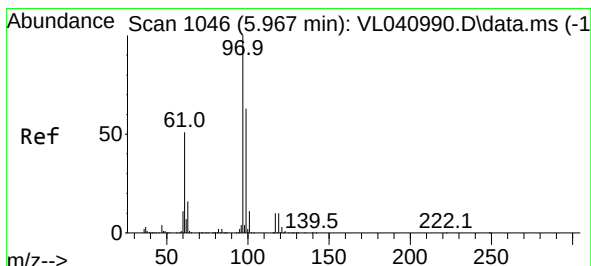
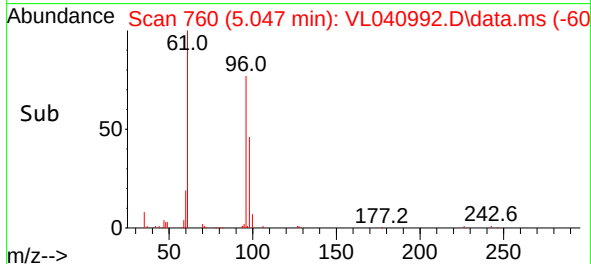
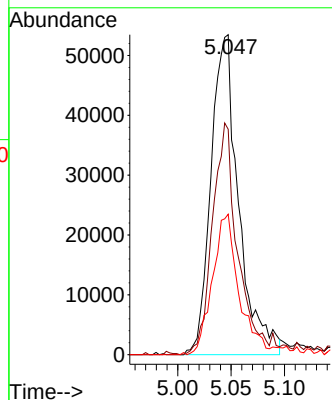
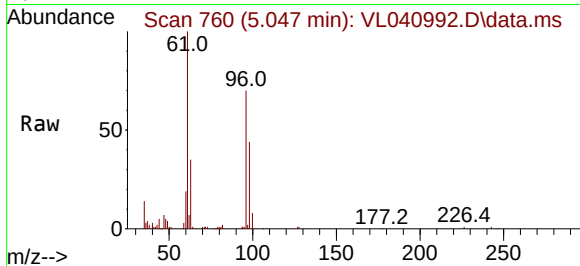
#31
cis-1,2-Dichloroethene
Concen: 0.988 ppbv m
RT: 5.047 min Scan# 758
Delta R.T. 0.006 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 61 Resp: 96509
Ion Ratio Lower Upper
61 100
96 70.5 51.9 77.9
98 43.9 31.5 47.3

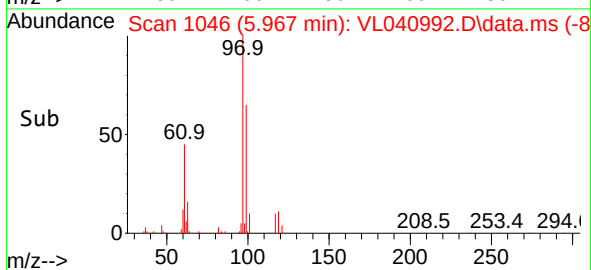
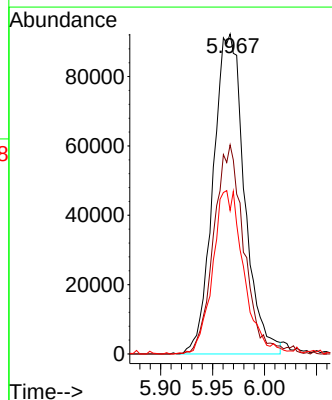
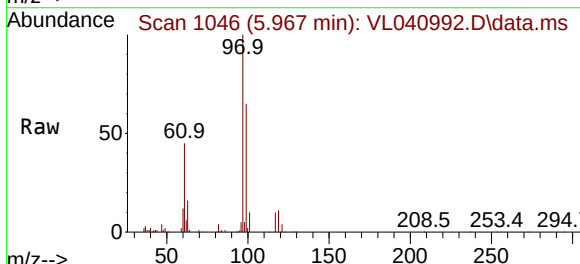
Manual Integrations
APPROVED

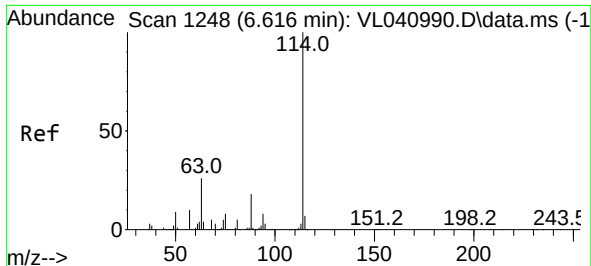
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#32
1,1,1-Trichloroethane
Concen: 1.244 ppbv
RT: 5.967 min Scan# 1046
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 97 Resp: 192998
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 51.5 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.613 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 2803519

Ion Ratio Lower Upper

114 100

63 25.3 20.8 31.2

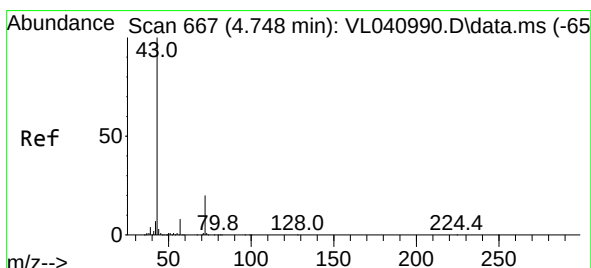
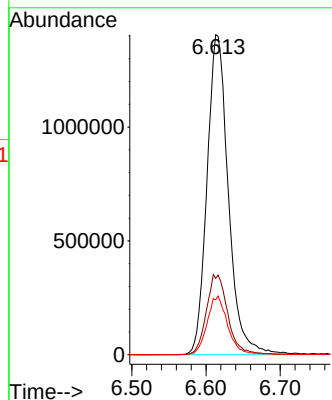
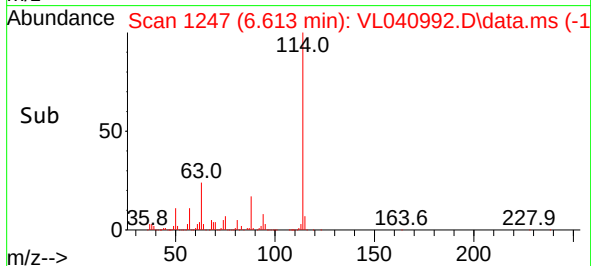
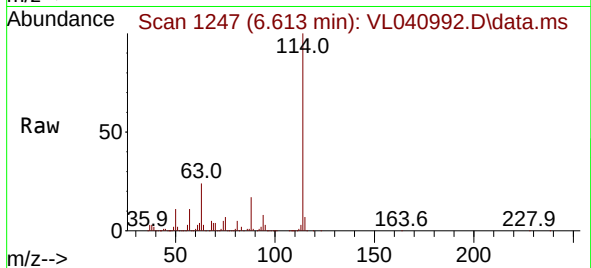
88 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#34

2-Butanone

Concen: 0.913 ppbv

RT: 4.761 min Scan# 671

Delta R.T. 0.013 min

Lab File: VL040992.D

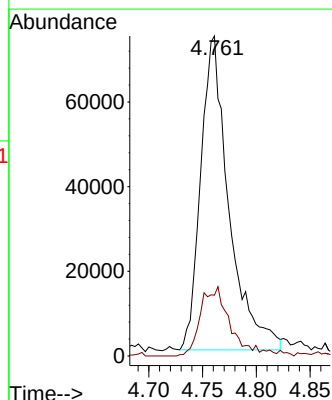
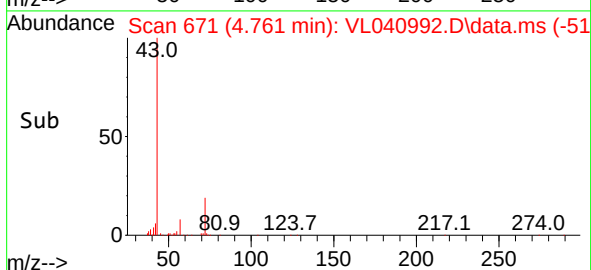
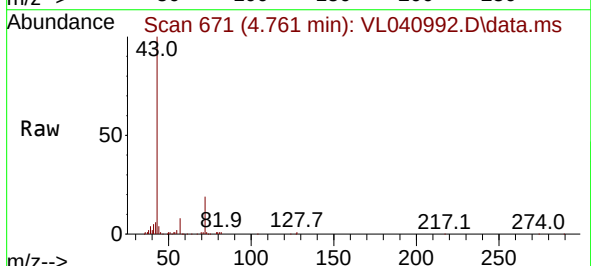
Acq: 23 Jan 2024 11:01

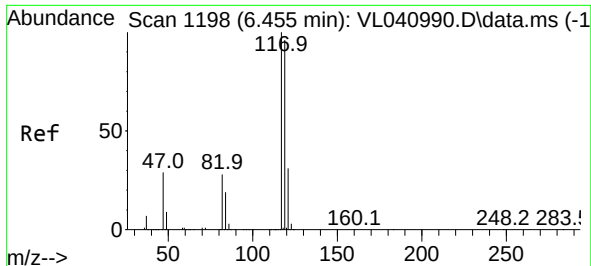
Tgt Ion: 43 Resp: 135470

Ion Ratio Lower Upper

43 100

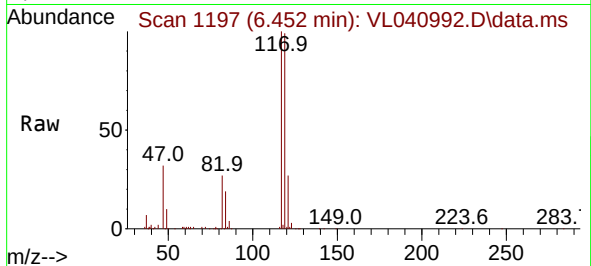
72 23.6 17.5 26.3





#35
Carbon Tetrachloride
Concen: 1.115 ppbv
RT: 6.452 min Scan# 1197
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

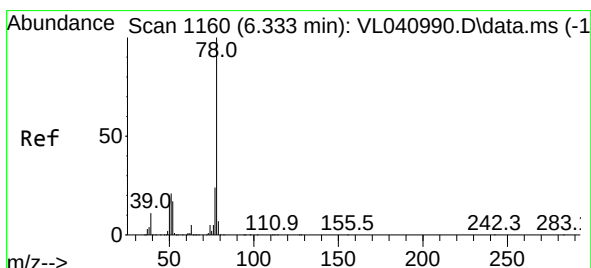
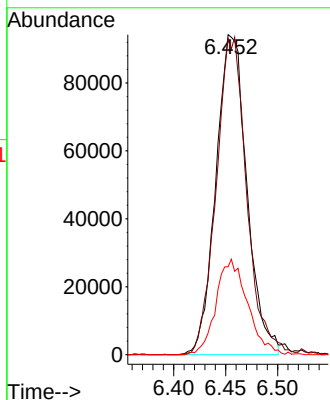
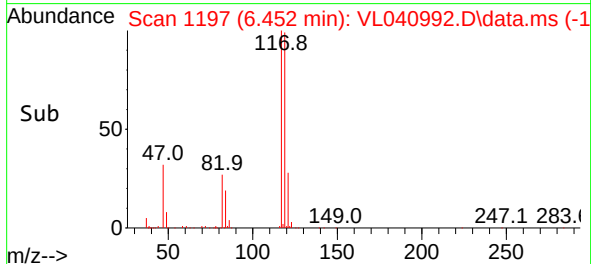
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



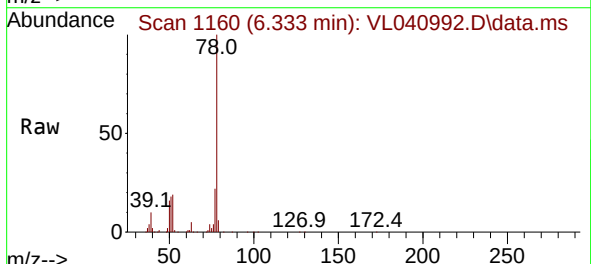
Tgt Ion: 117 Resp: 19570
Ion Ratio Lower Upper
117 100
119 98.8 76.9 115.3
121 27.4 24.7 37.1

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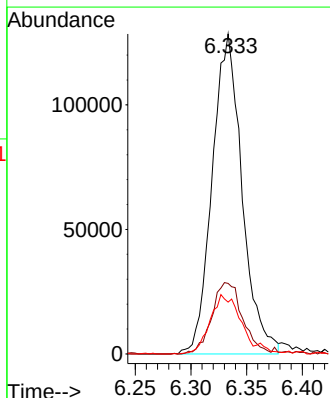
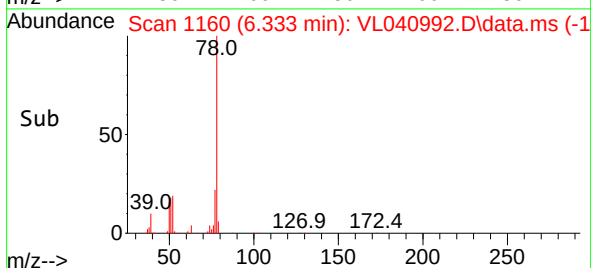
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

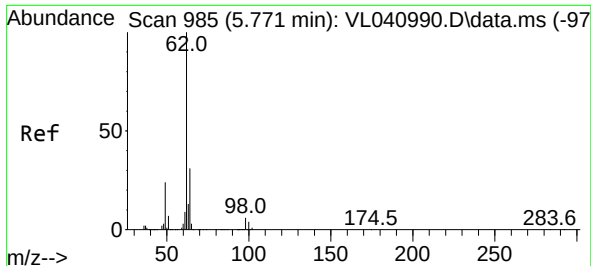


#36
Benzene
Concen: 1.094 ppbv
RT: 6.333 min Scan# 1160
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01



Tgt Ion: 78 Resp: 239834
Ion Ratio Lower Upper
78 100
77 22.0 19.0 28.4
50 16.2 15.8 23.6





#37

1,2-Dichloroethane

Concen: 1.101 ppbv

RT: 5.771 min Scan# 985

Delta R.T. 0.000 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 62 Resp: 144640

Ion Ratio Lower Upper

62 100

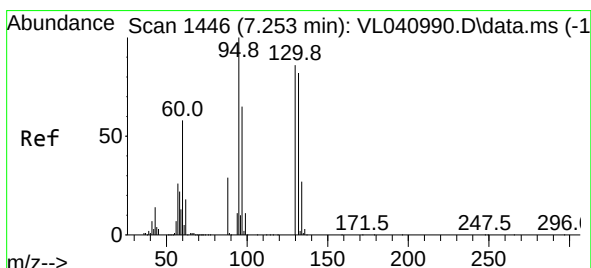
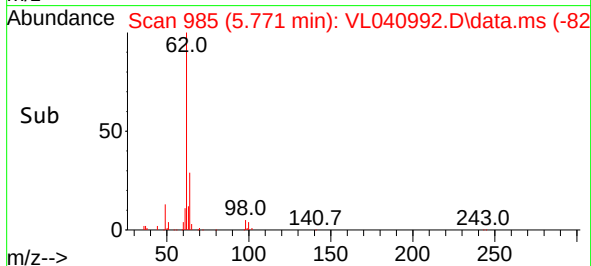
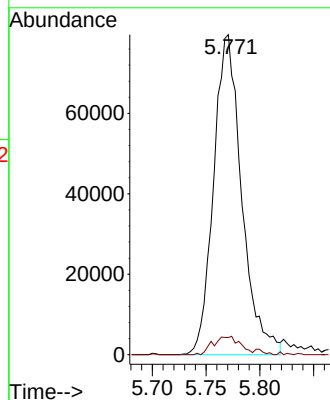
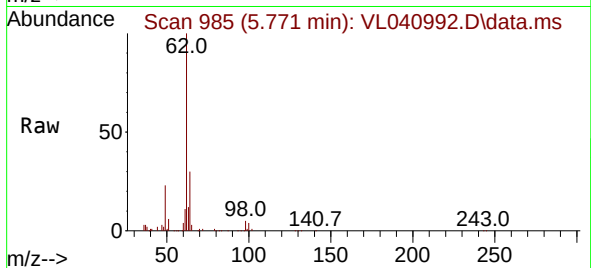
98 6.3 4.7 7.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#38

Trichloroethene

Concen: 1.115 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. -0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Tgt Ion:130 Resp: 91788

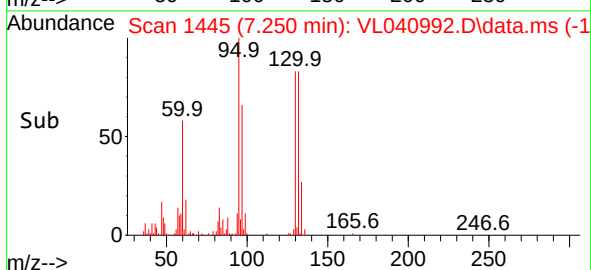
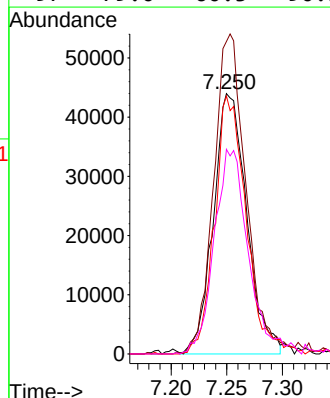
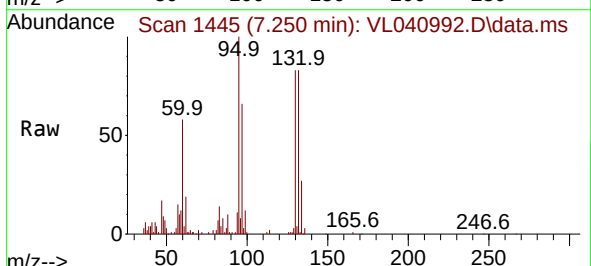
Ion Ratio Lower Upper

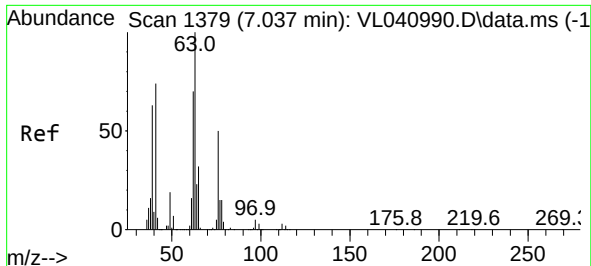
130 100

95 120.1 92.9 139.3

132 99.5 76.2 114.2

97 79.0 60.3 90.5





#39

1,2-Dichloropropane

Concen: 1.101 ppbv

RT: 7.034 min Scan# 1452

Delta R.T. -0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

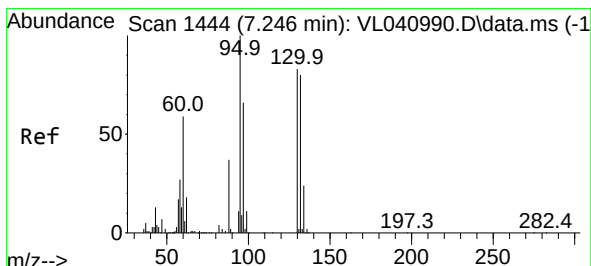
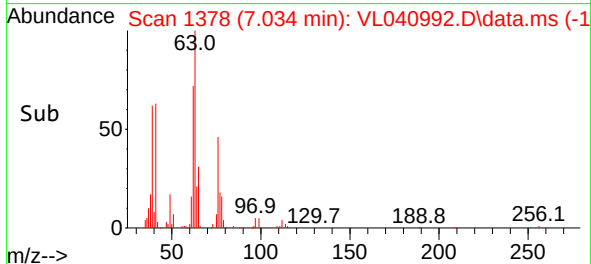
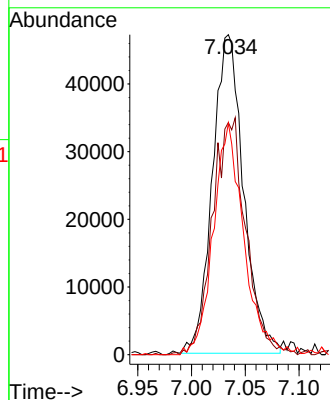
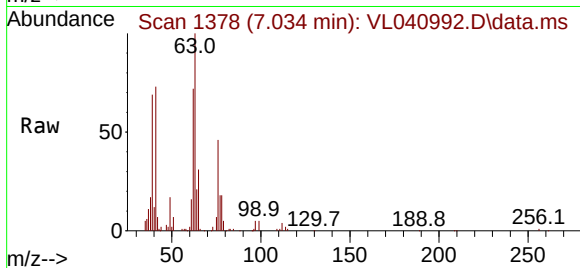
VSTDIC001

Tgt Ion: 63	Resp: 9486
Ion Ratio	Lower Upper
63 100	
41 72.9	59.6 89.4
62 72.7	55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#40

1,4-Dioxane

Concen: 1.128 ppbv m

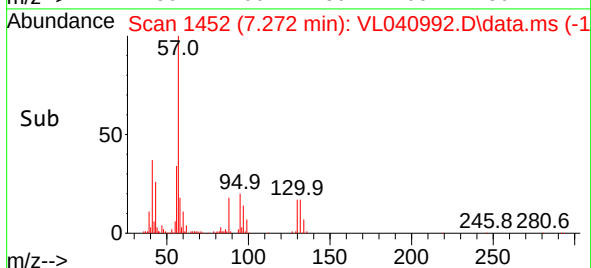
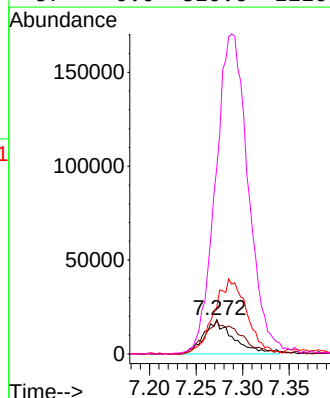
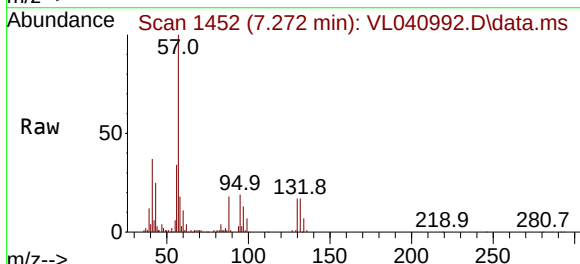
RT: 7.272 min Scan# 1452

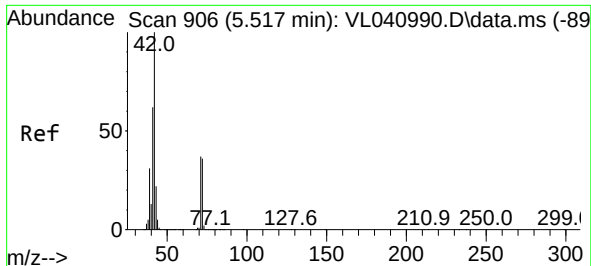
Delta R.T. 0.026 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

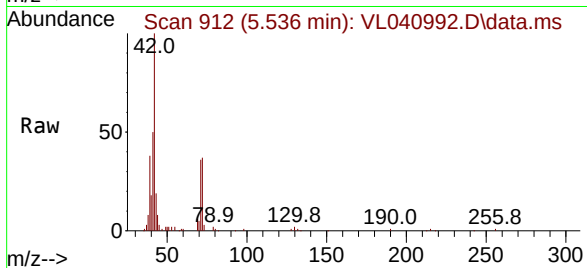
Tgt Ion: 88	Resp: 41027
Ion Ratio	Lower Upper
88 100	
58 118.6	96.6 144.8
43 0.0	191.0 286.6#
57 0.0	810.6 1216.0#





#41
Tetrahydrofuran
Concen: 0.933 ppbv
RT: 5.536 min Scan# 912
Delta R.T. 0.019 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

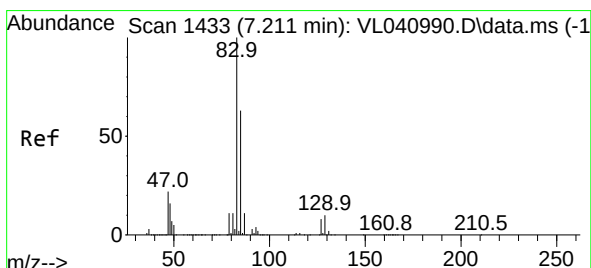
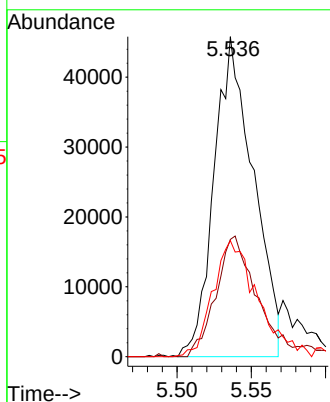
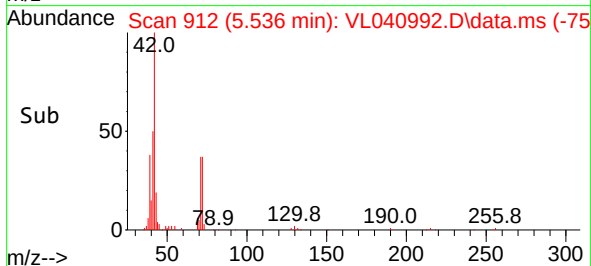
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 42 Resp: 84224
Ion Ratio Lower Upper
42 100
72 42.8 30.0 45.0
71 43.4 29.5 44.3

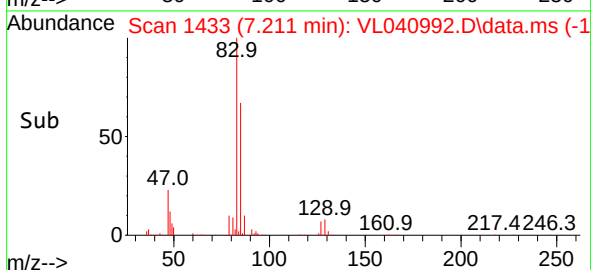
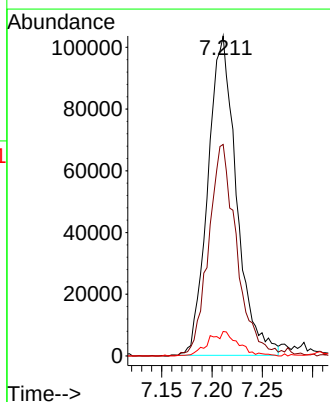
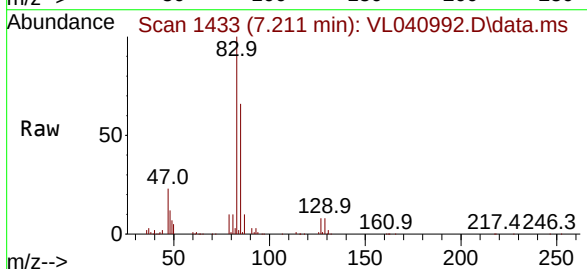
Manual Integrations
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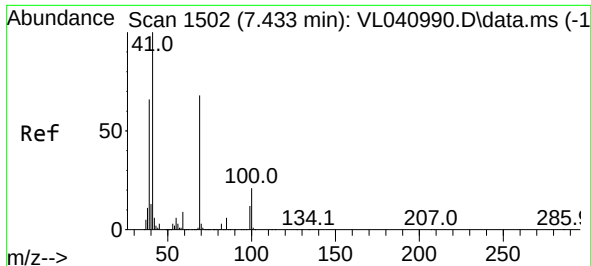
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#42
Bromodichloromethane
Concen: 1.082 ppbv
RT: 7.211 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 83 Resp: 204971
Ion Ratio Lower Upper
83 100
85 66.0 50.5 75.7
127 7.7 6.4 9.6





#43
Methyl Methacrylate
Concen: 0.999 ppbv
RT: 7.439 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

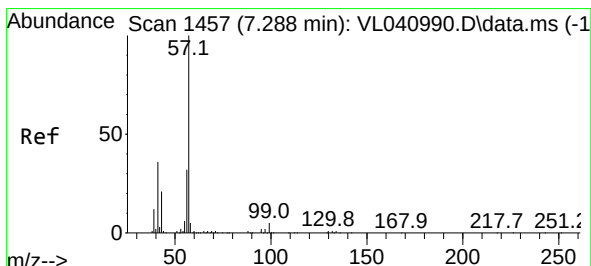
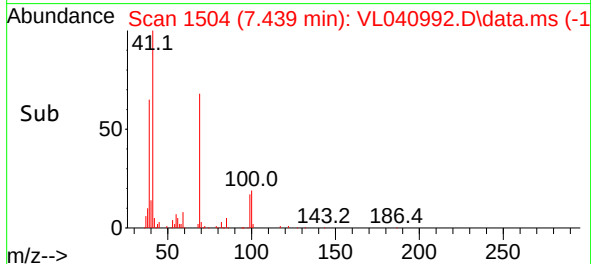
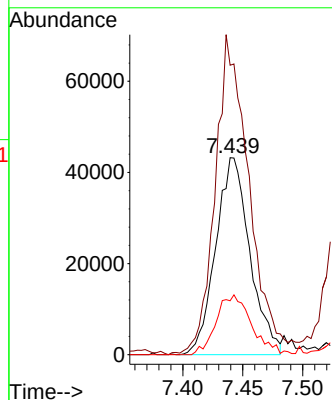
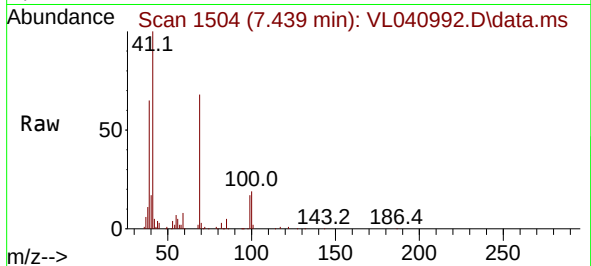
VSTDICC001

Tgt Ion: 69 Resp: 85890
Ion Ratio Lower Upper
69 100
41 158.2 120.2 180.2
100 32.1 24.6 36.8

Manual Integrations

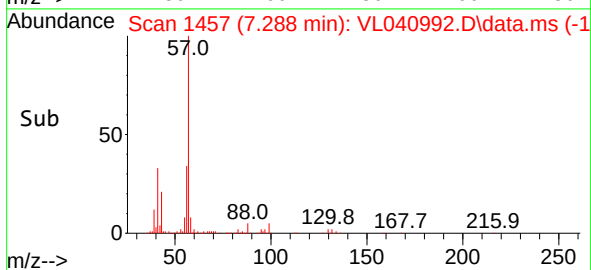
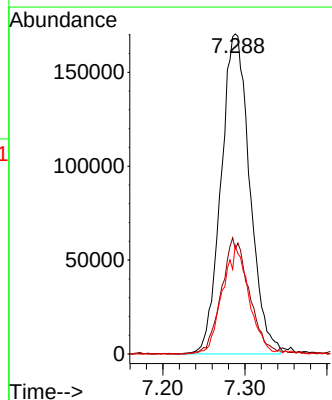
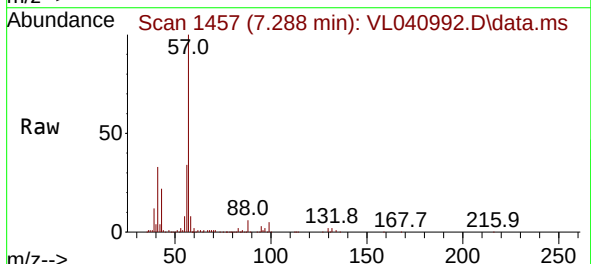
APPROVED

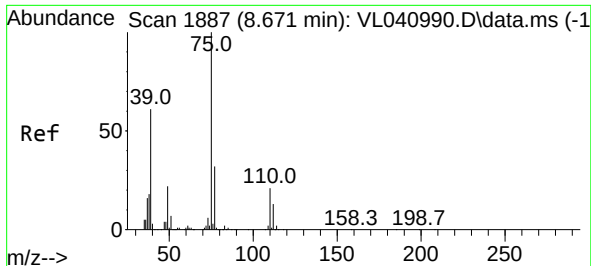
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#44
2,2,4-Trimethylpentane
Concen: 1.115 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 57 Resp: 415145
Ion Ratio Lower Upper
57 100
41 35.8 28.6 43.0
56 31.9 25.2 37.8





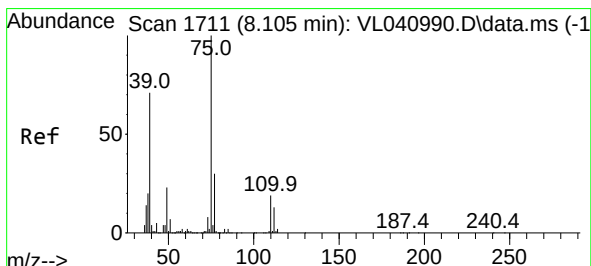
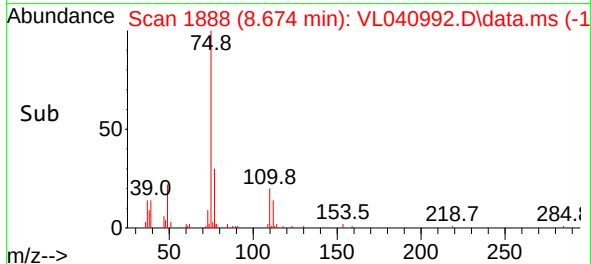
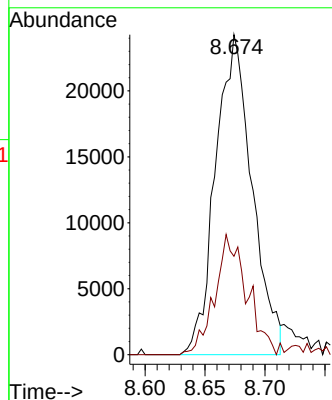
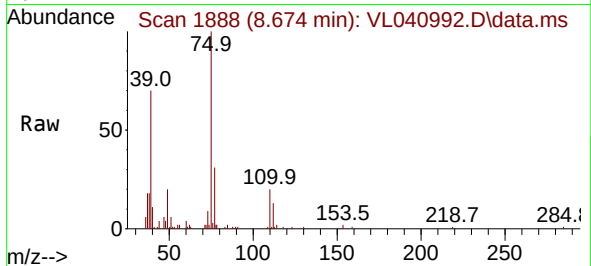
#45
t-1,3-Dichloropropene
Concen: 0.805 ppbv
RT: 8.674 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 5134
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9

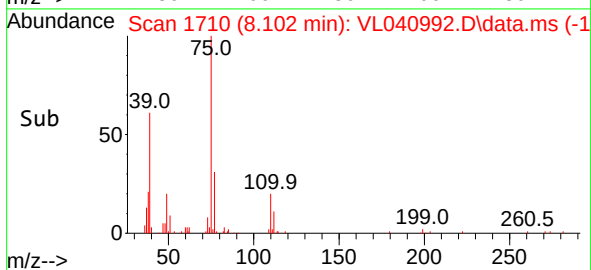
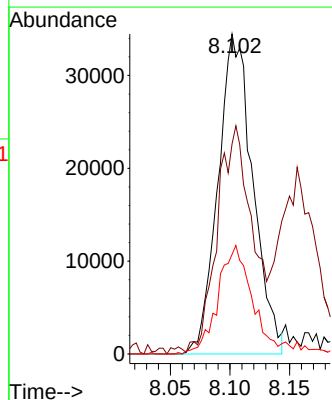
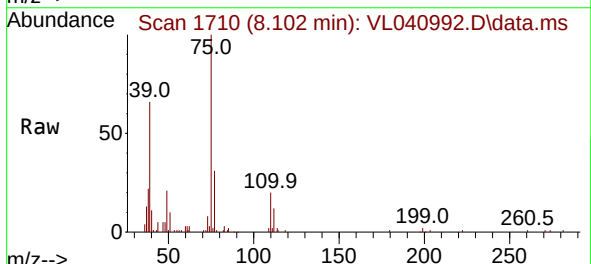
Manual Integrations
APPROVED

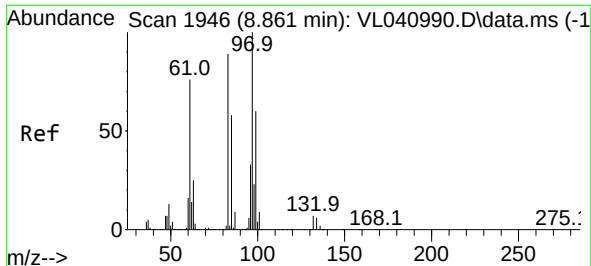
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#46
cis-1,3-Dichloropropene
Concen: 0.887 ppbv m
RT: 8.102 min Scan# 1710
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 75 Resp: 70057
Ion Ratio Lower Upper
75 100
39 65.6 57.3 85.9
77 31.1 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 1.127 ppbv

RT: 8.854 min Scan# 1946

Delta R.T. -0.006 min

Lab File: VL040992.D

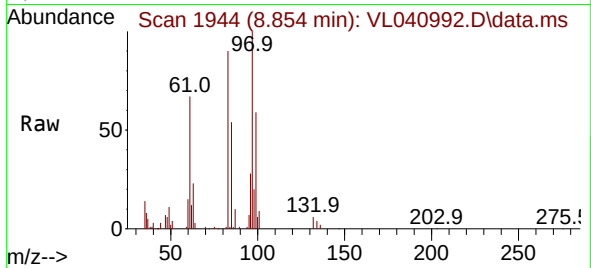
Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion: 97 Resp: 102940

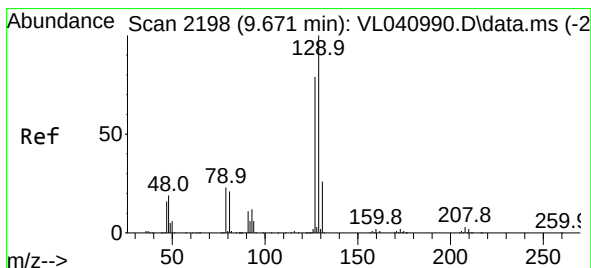
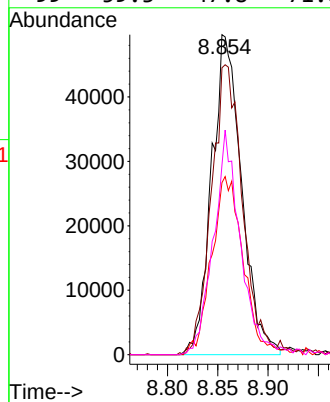
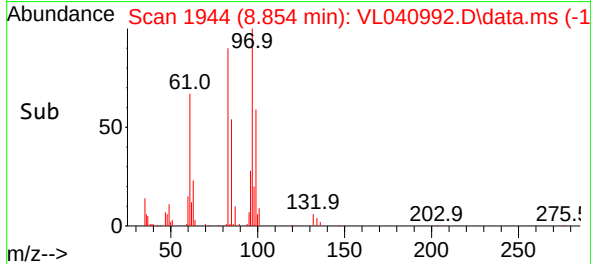
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.5	107.3
85	53.7	46.1	69.1
99	59.3	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#48

Dibromochloromethane

Concen: 1.033 ppbv

RT: 9.668 min Scan# 2197

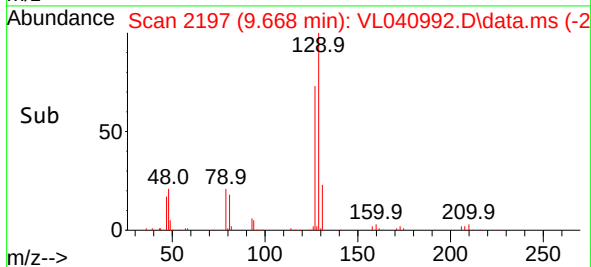
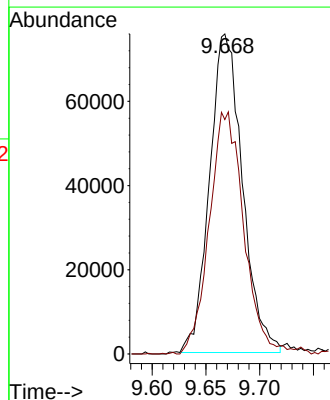
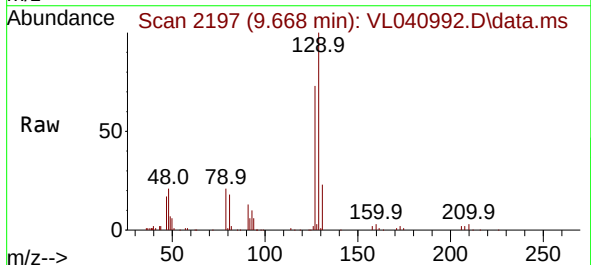
Delta R.T. -0.003 min

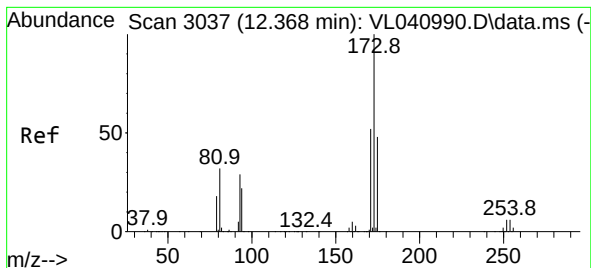
Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Tgt Ion:129 Resp: 161107

Ion	Ratio	Lower	Upper
129	100		
127	80.1	39.6	119.0





#49

Bromoform

Concen: 1.043 ppbv

RT: 12.365 min Scan# 3037

Delta R.T. -0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

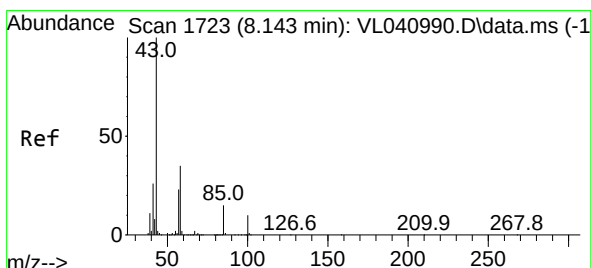
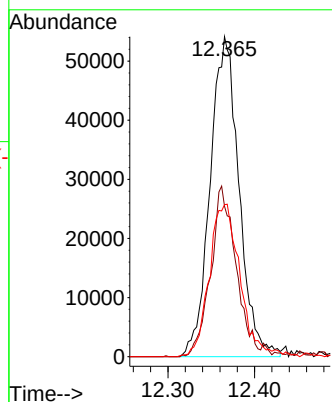
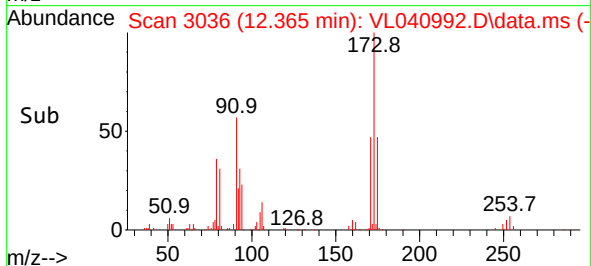
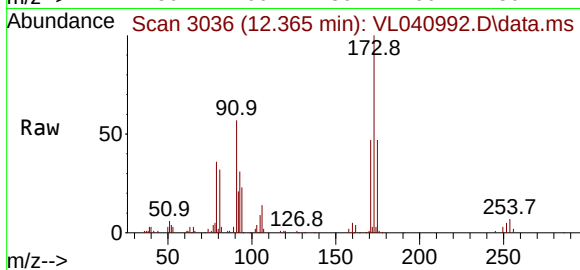
VSTDIC001

Tgt Ion:	173	Resp:	125479
Ion Ratio	Lower	Upper	
173	100		
175	47.8	39.0	58.4
171	50.8	42.0	63.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#50

4-Methyl-2-Pentanone

Concen: 1.003 ppbv

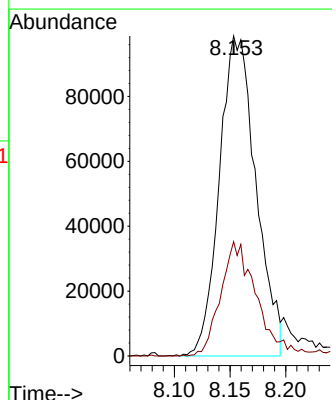
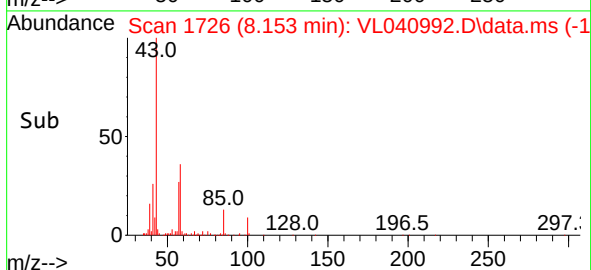
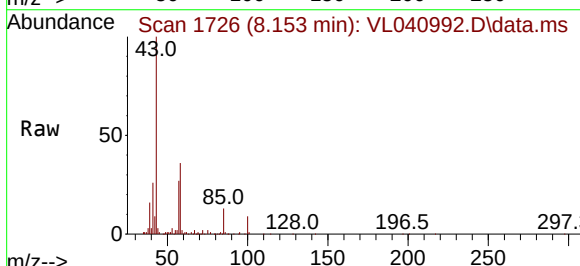
RT: 8.153 min Scan# 1726

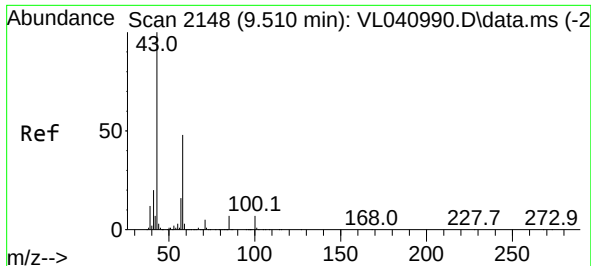
Delta R.T. 0.010 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

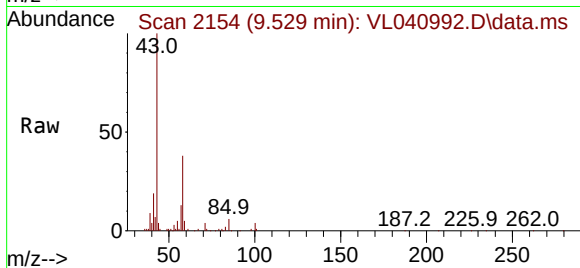
Tgt Ion:	43	Resp:	225361
Ion Ratio	Lower	Upper	
43	100		
58	36.2	27.8	41.8





#51
2-Hexanone
Concen: 1.038 ppbv
RT: 9.529 min Scan# 2148
Delta R.T. 0.019 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

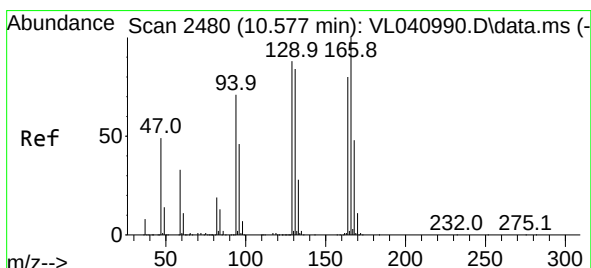
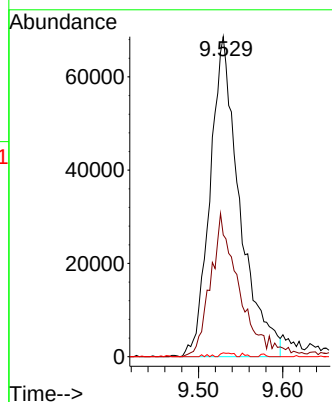
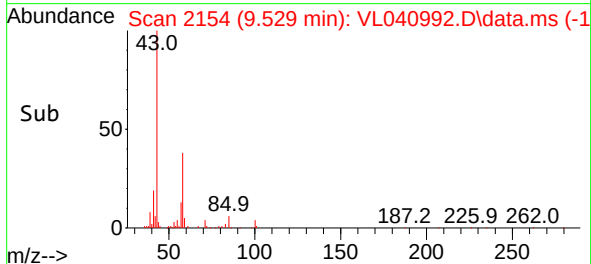
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 16773
Ion Ratio Lower Upper
43 100
58 44.3 36.8 55.2
98 0.8 0.3 0.5

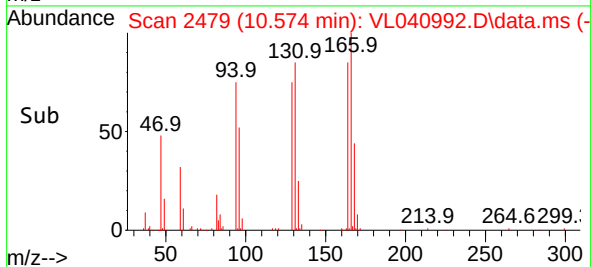
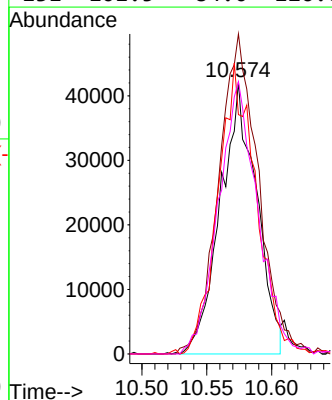
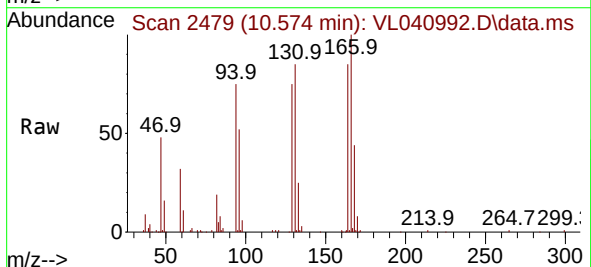
Manual Integrations
APPROVED

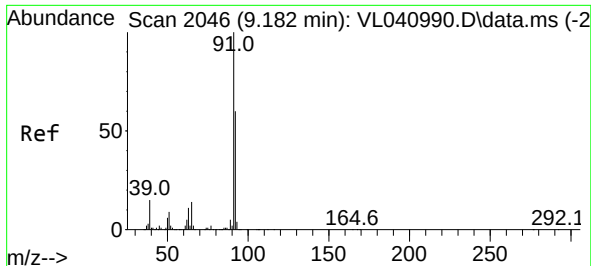
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#52
Tetrachloroethene
Concen: 1.099 ppbv
RT: 10.574 min Scan# 2479
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion:164 Resp: 81107
Ion Ratio Lower Upper
164 100
166 115.5 100.2 150.2
129 88.0 87.9 131.9
131 101.5 84.0 126.0





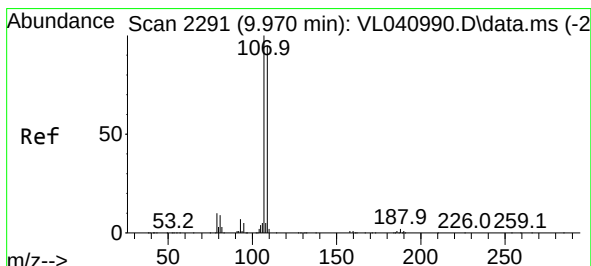
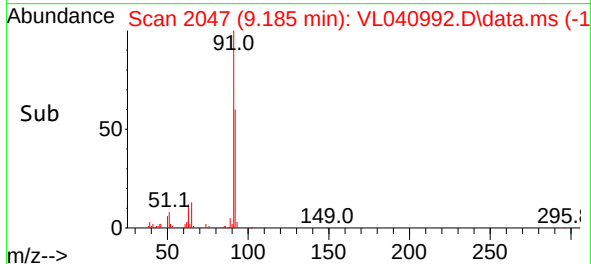
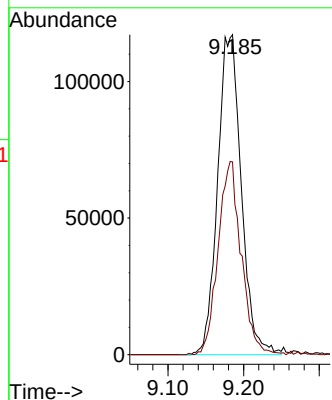
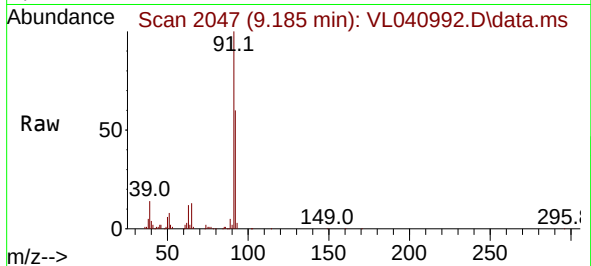
#53
Toluene
Concen: 1.048 ppbv m
RT: 9.185 min Scan# 2046
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 25470
Ion Ratio Lower Upper
91 100
92 0.0 48.6 72.8

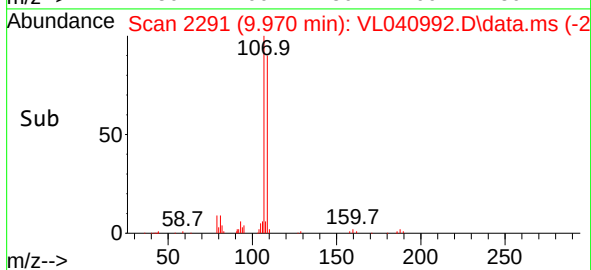
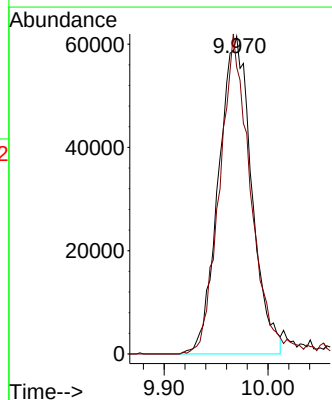
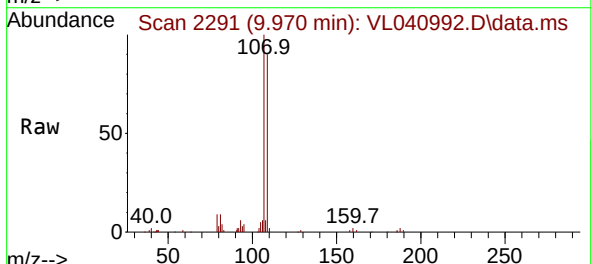
Manual Integrations
APPROVED

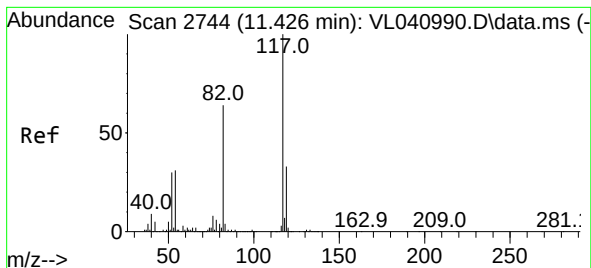
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#54
1,2-Dibromoethane
Concen: 1.083 ppbv
RT: 9.970 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

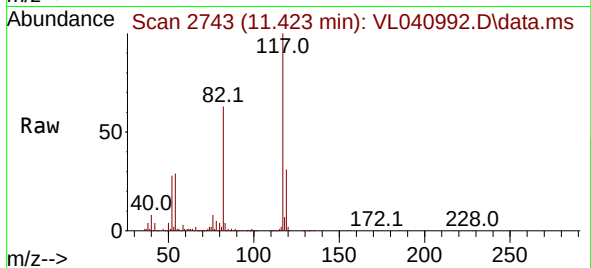
Tgt Ion:107 Resp: 135796
Ion Ratio Lower Upper
107 100
109 90.3 76.1 114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.423 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

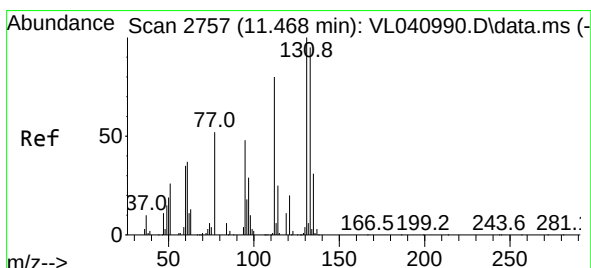
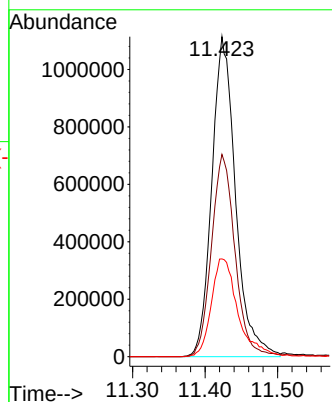
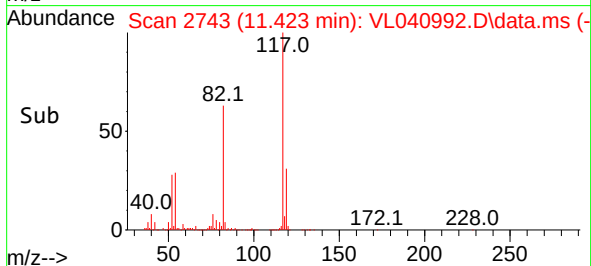
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:117 Resp: 253546
Ion Ratio Lower Upper
117 100
82 63.6 51.7 77.5
119 34.5 23.8 35.6

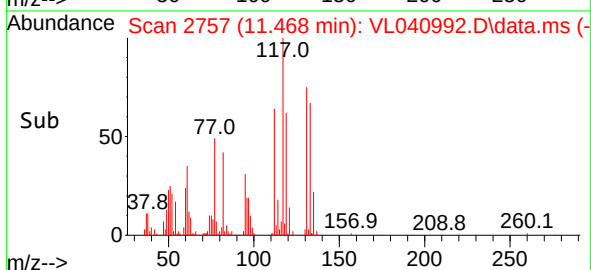
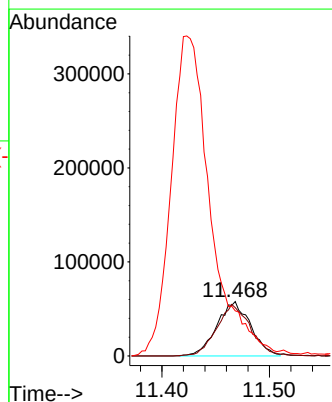
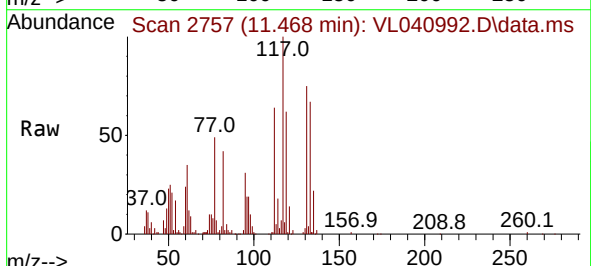
Manual Integrations
APPROVED

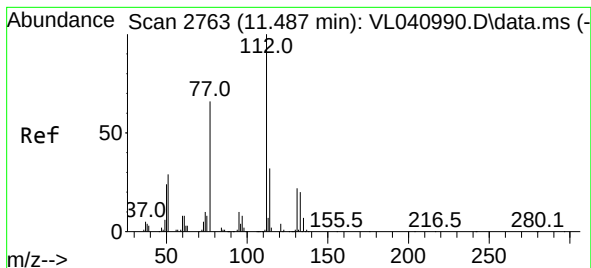
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#56
1,1,1,2-Tetrachloroethane
Concen: 1.137 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

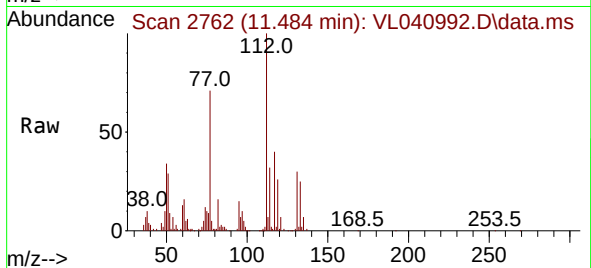
Tgt Ion:131 Resp: 126011
Ion Ratio Lower Upper
131 100
133 95.1 75.9 113.9
119 696.5 49.2 73.8#





#57
Chlorobenzene
Concen: 1.140 ppbv
RT: 11.484 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

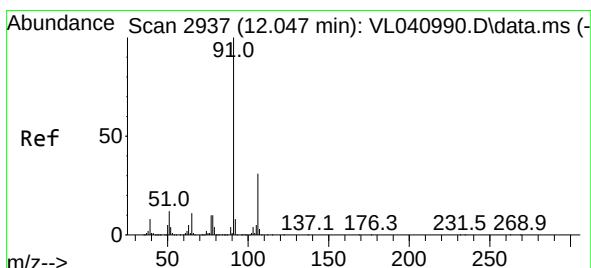
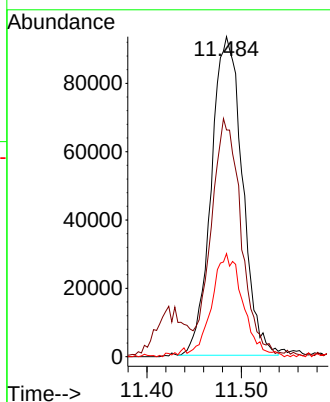
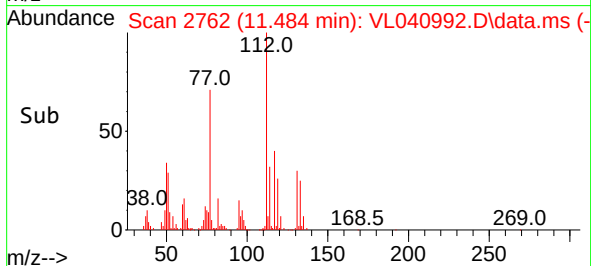
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:112 Resp: 212779
Ion Ratio Lower Upper
112 100
77 69.7 53.4 80.0
114 31.7 29.1 35.5

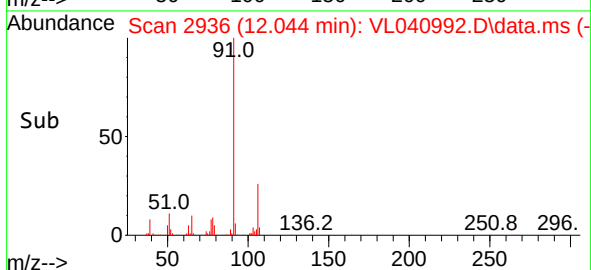
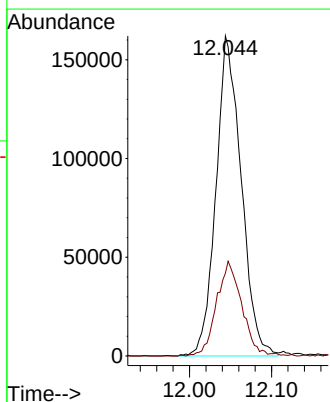
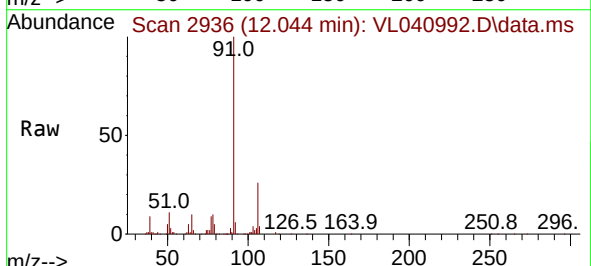
Manual Integrations
APPROVED

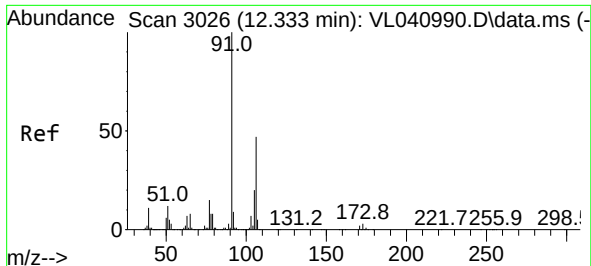
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#58
Ethyl Benzene
Concen: 1.062 ppbv
RT: 12.044 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

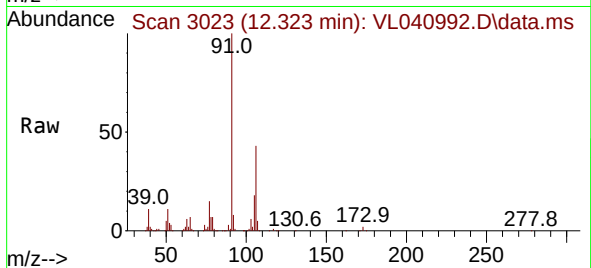
Tgt Ion: 91 Resp: 345939
Ion Ratio Lower Upper
91 100
106 25.8 24.8 37.2





#59
m/p-Xylene
Concen: 2.254 ppbv m
RT: 12.323 min Scan# 3026
Delta R.T. -0.010 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

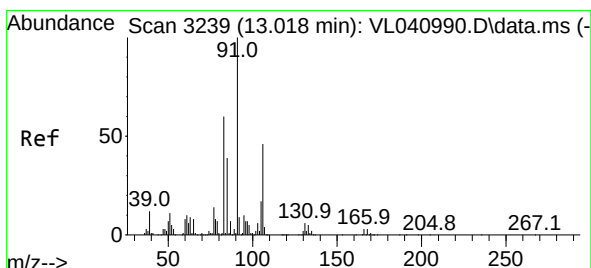
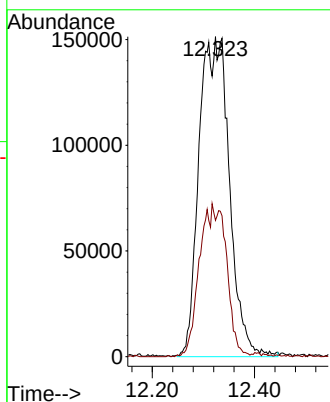
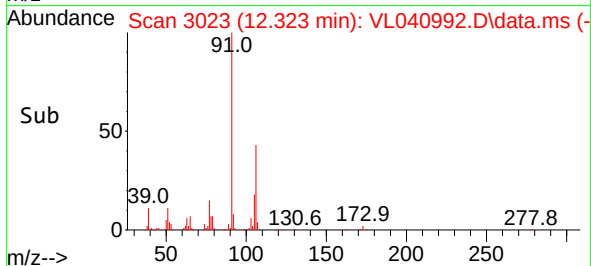
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



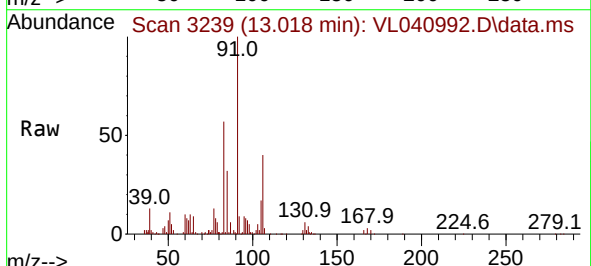
Tgt Ion: 91 Resp: 624390
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3

Manual Integrations
APPROVED

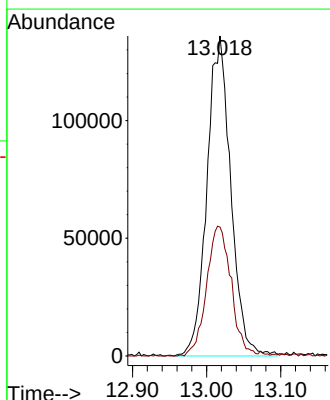
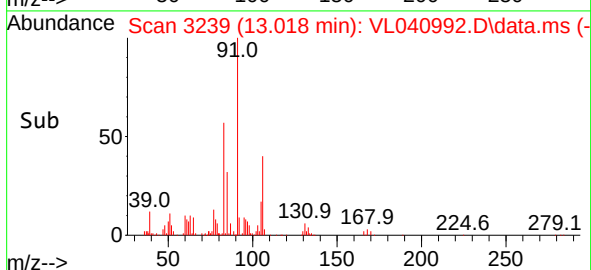
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

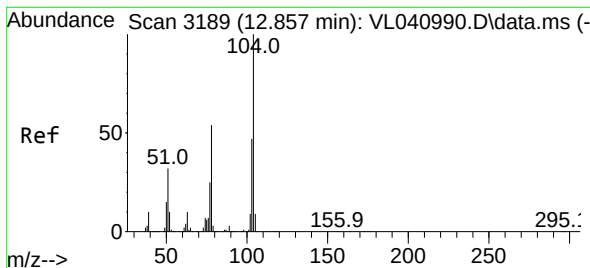


#60
o-Xylene
Concen: 1.160 ppbv m
RT: 13.018 min Scan# 3239
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01



Tgt Ion: 91 Resp: 302749
Ion Ratio Lower Upper
91 100
106 42.8 22.6 67.7





#61

Styrene

Concen: 1.007 ppbv

RT: 12.857 min Scan# 3189

Delta R.T. 0.000 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

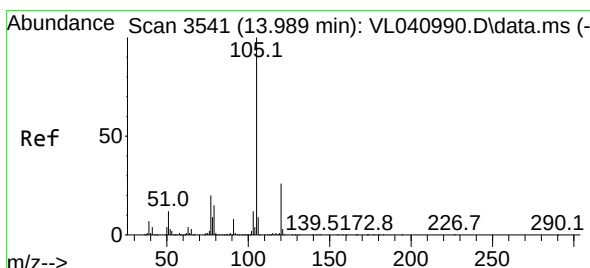
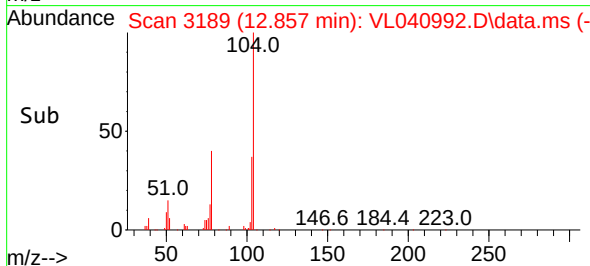
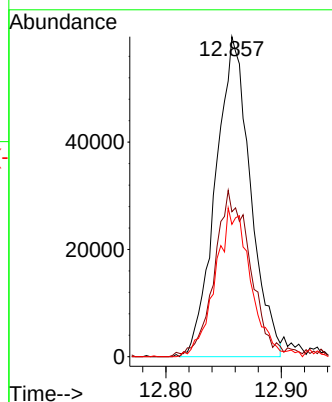
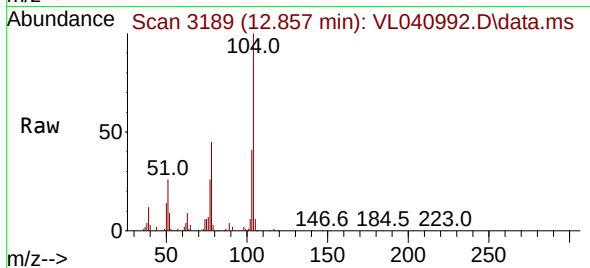
VSTDIC001

Tgt Ion:104	Resp: 12491
Ion Ratio	Lower Upper
104 100	
78 55.0	42.7 64.1
103 48.3	37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#62

Isopropylbenzene

Concen: 1.156 ppbv

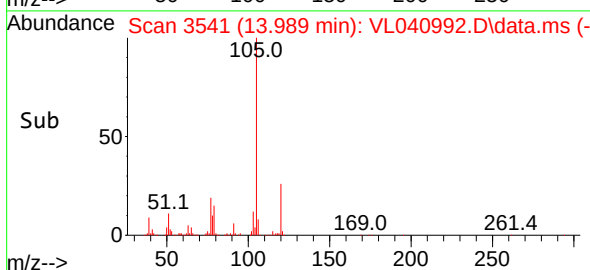
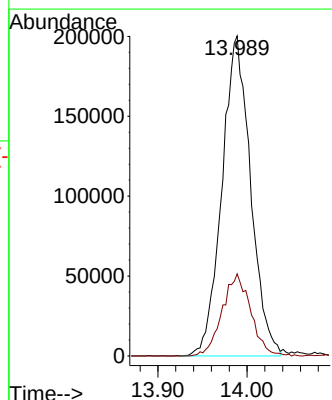
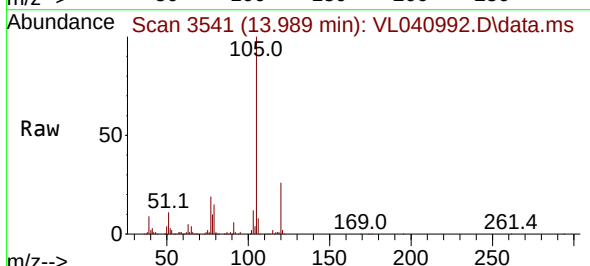
RT: 13.989 min Scan# 3541

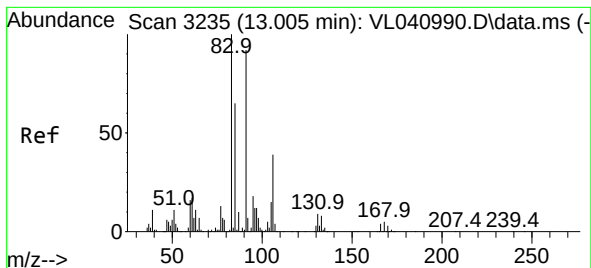
Delta R.T. 0.000 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Tgt Ion:105	Resp: 447400
Ion Ratio	Lower Upper
105 100	
120 25.6	20.9 31.3





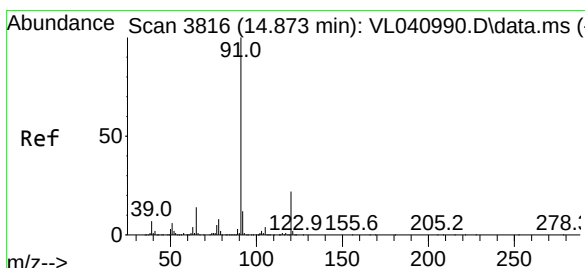
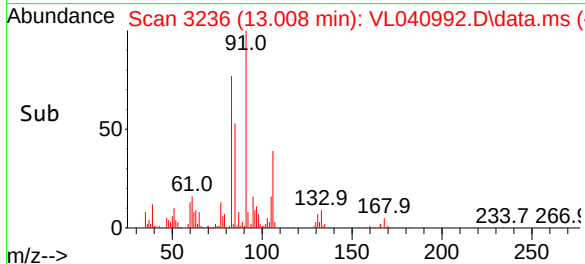
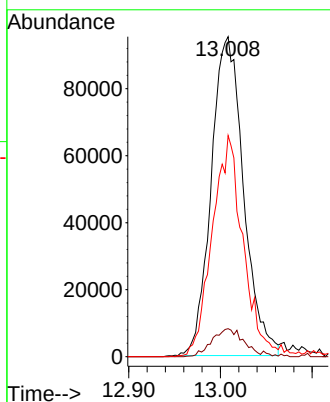
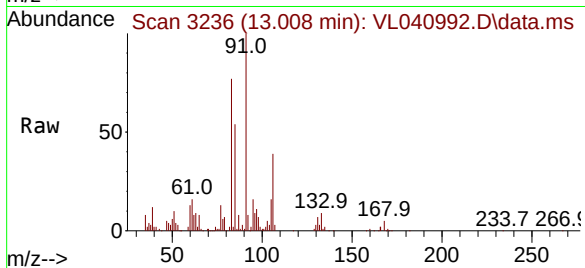
#63
1,1,2,2-Tetrachloroethane
Concen: 1.241 ppbv
RT: 13.008 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 23341
Ion Ratio Lower Upper
83 100
131 9.0 4.6 13.8
85 66.7 33.0 99.0

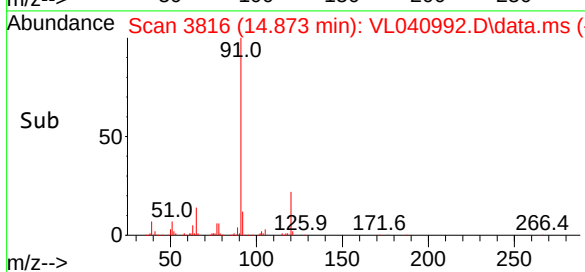
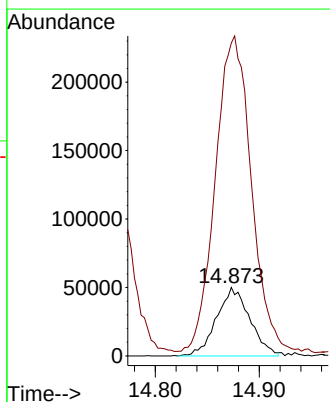
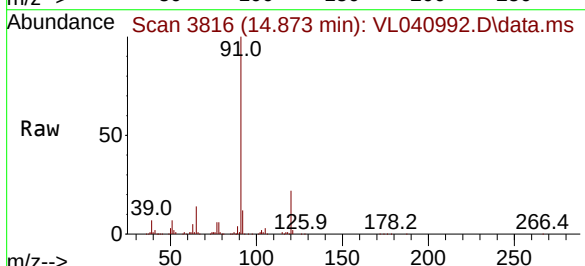
Manual Integrations
APPROVED

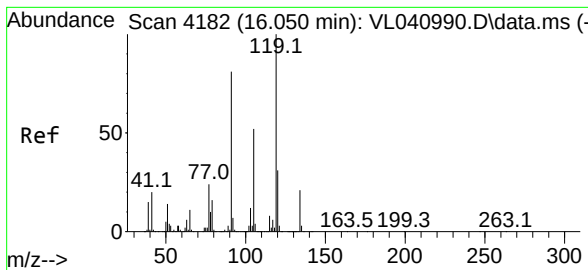
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#64
n-propylbenzene
Concen: 1.142 ppbv
RT: 14.873 min Scan# 3816
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

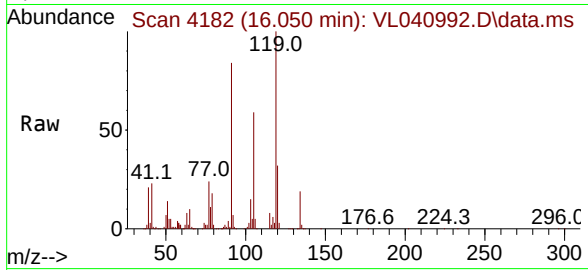
Tgt Ion:120 Resp: 110834
Ion Ratio Lower Upper
120 100
91 521.0 390.6 585.8





#65
tert-Butylbenzene
Concen: 1.180 ppbv
RT: 16.050 min Scan# 4182
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

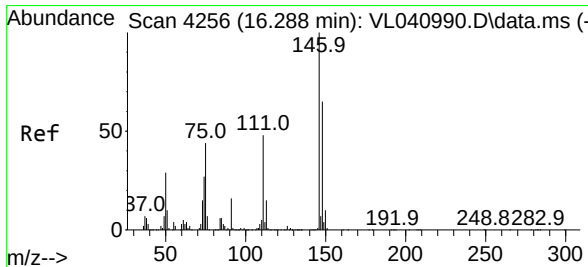
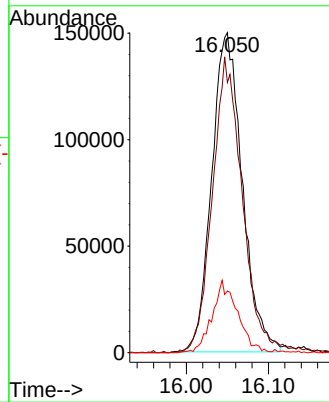
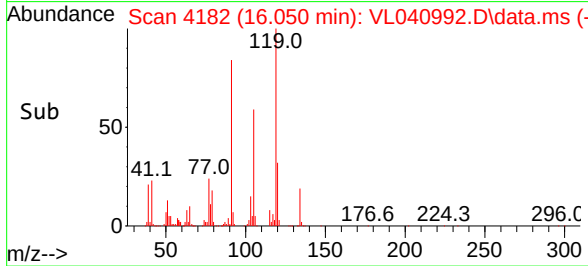
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 119 Resp: 388194
Ion Ratio Lower Upper
119 100
91 91.5 67.6 101.4
134 19.3 16.1 24.1

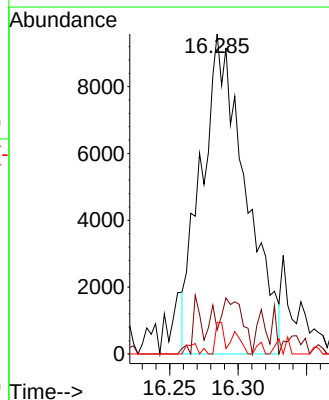
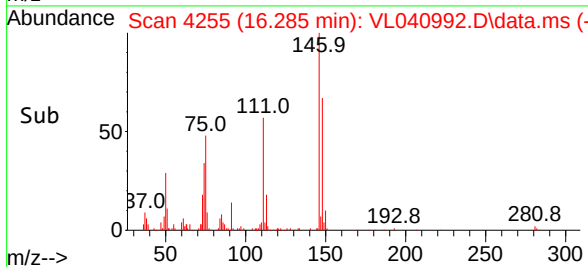
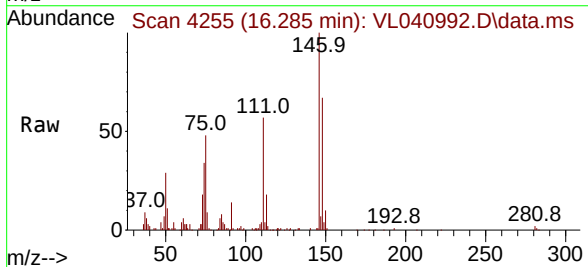
Manual Integrations
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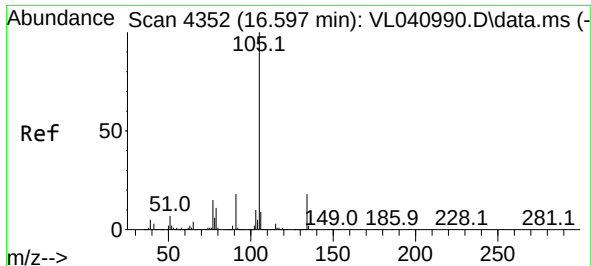
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#66
Benzyl Chloride
Concen: 0.957 ppbv m
RT: 16.285 min Scan# 4255
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion: 91 Resp: 21551
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 1.196 ppbv

RT: 16.597 min Scan# 4352

Delta R.T. 0.000 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 57202

Ion Ratio Lower Upper

105 100

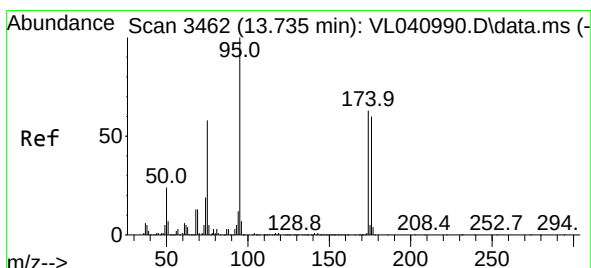
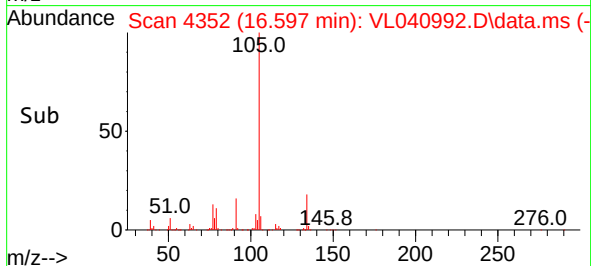
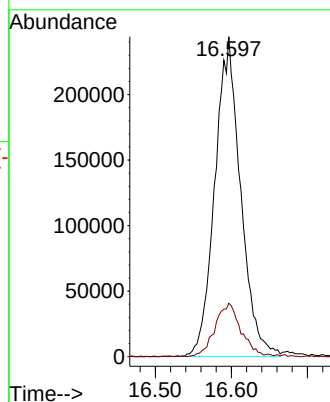
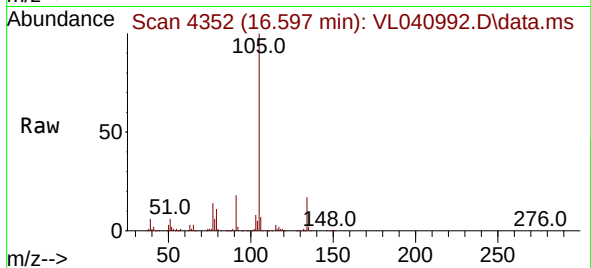
134 17.4 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.058 ppbv

RT: 13.735 min Scan# 3462

Delta R.T. 0.000 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

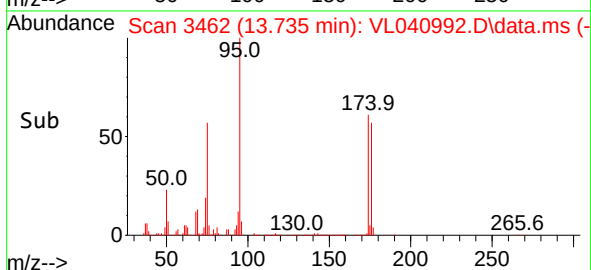
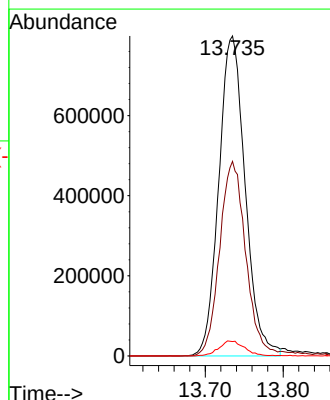
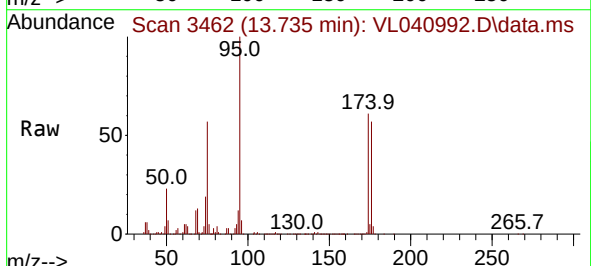
Tgt Ion: 95 Resp: 1878448

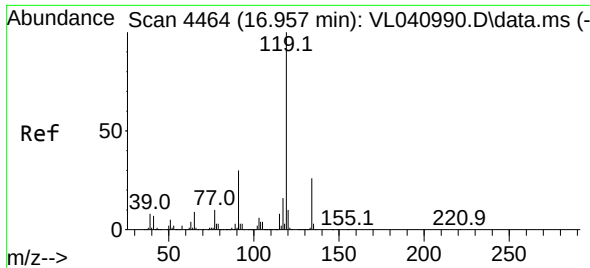
Ion Ratio Lower Upper

95 100

174 61.5 49.1 73.7

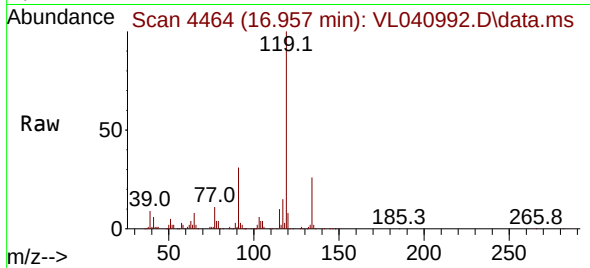
175 4.7 3.7 5.5





#69
p-Isopropyltoluene
Concen: 1.174 ppbv
RT: 16.957 min Scan# 4464
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

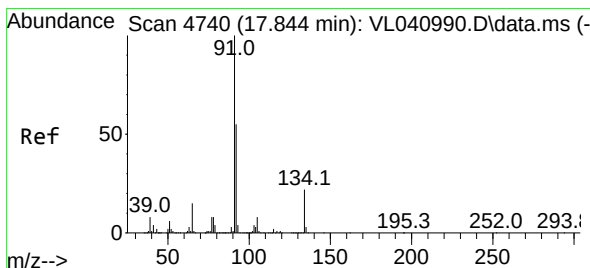
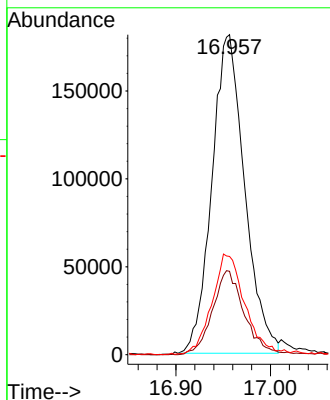
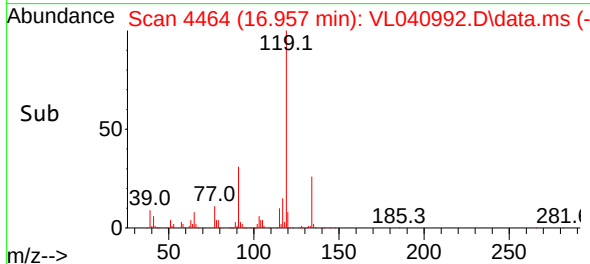
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



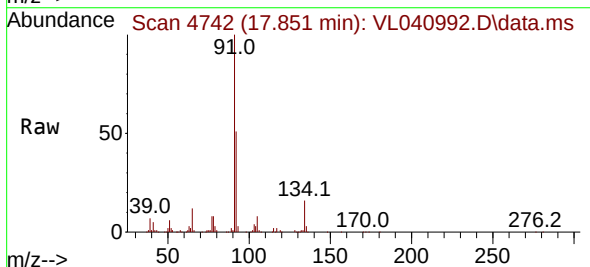
Tgt Ion:119 Resp: 436440
Ion Ratio Lower Upper
119 100
134 25.9 20.6 30.8
91 32.5 24.5 36.7

Manual Integrations
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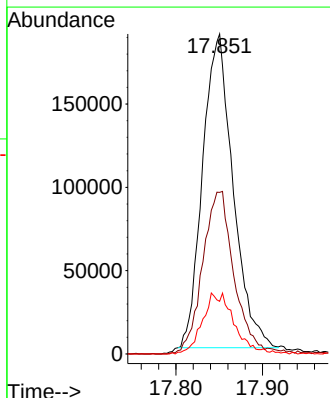
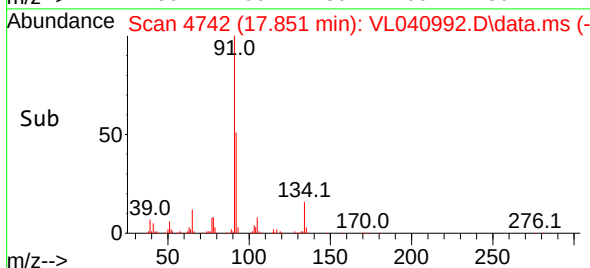
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

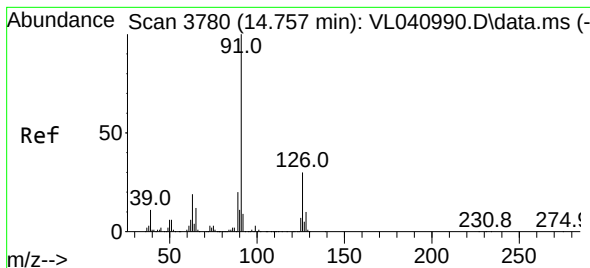


#70
n-Butylbenzene
Concen: 1.190 ppbv
RT: 17.851 min Scan# 4742
Delta R.T. 0.006 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01



Tgt Ion: 91 Resp: 459270
Ion Ratio Lower Upper
91 100
92 54.1 43.4 65.0
134 20.5 17.4 26.0





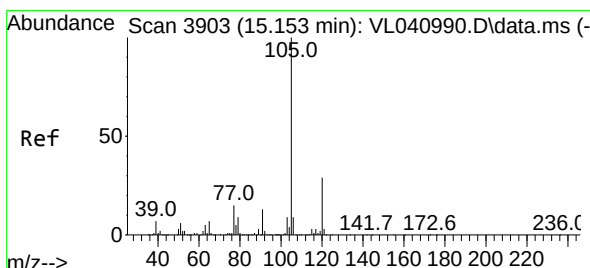
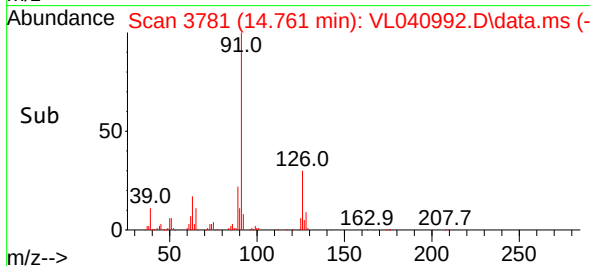
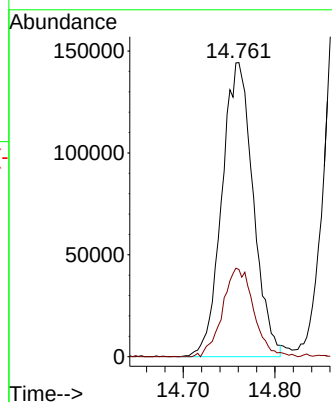
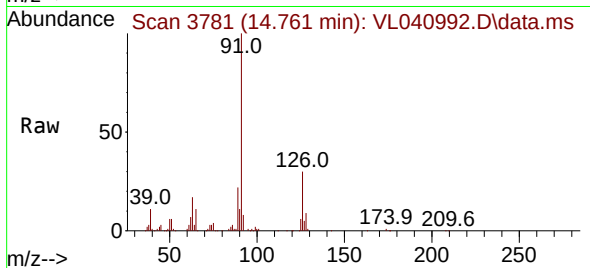
#71
2-Chlorotoluene
Concen: 1.149 ppbv
RT: 14.761 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 34256
Ion Ratio Lower Upper
91 100
126 30.3 12.3 49.1

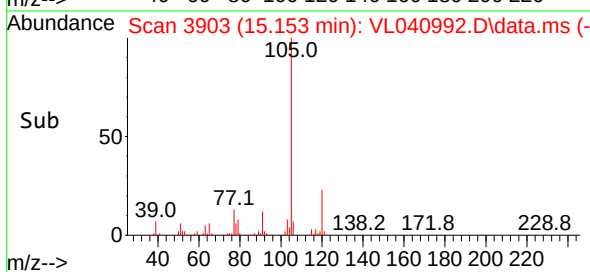
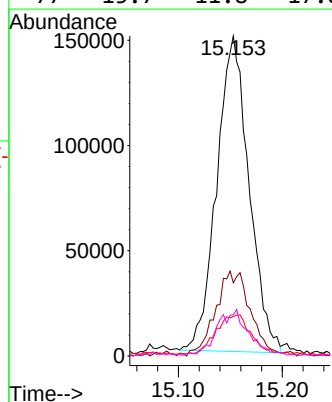
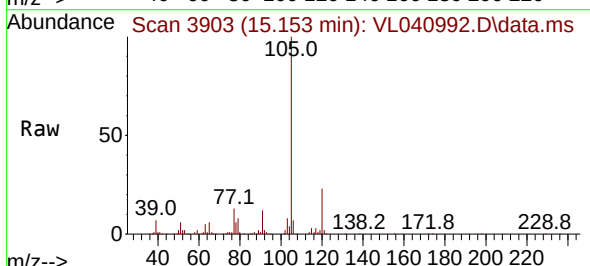
Manual Integrations
APPROVED

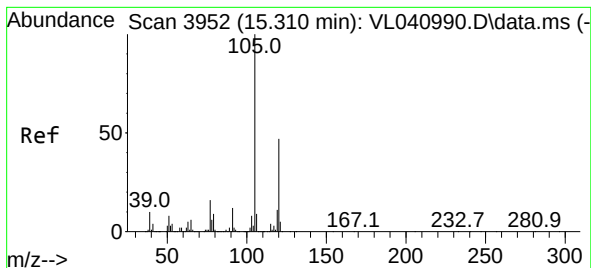
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#72
4-Ethyltoluene
Concen: 1.129 ppbv
RT: 15.153 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

Tgt Ion:105 Resp: 323511
Ion Ratio Lower Upper
105 100
120 30.5 24.3 36.5
91 14.7 11.0 16.4
77 15.7 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 1.160 ppbv

RT: 15.314 min Scan# 3952

Delta R.T. 0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 286769

Ion Ratio Lower Upper

105 100

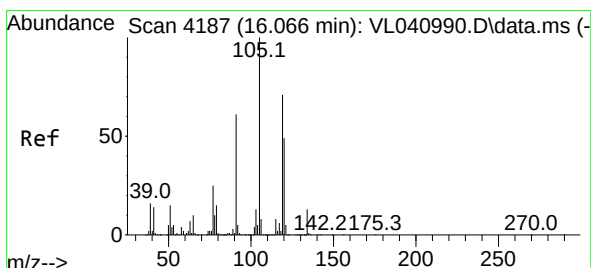
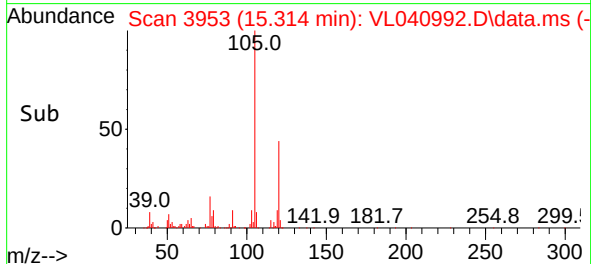
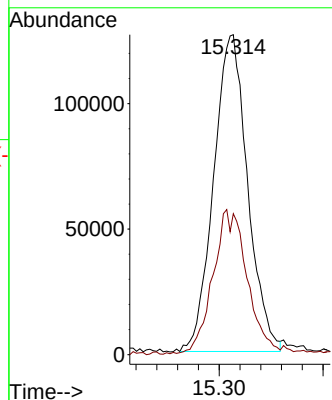
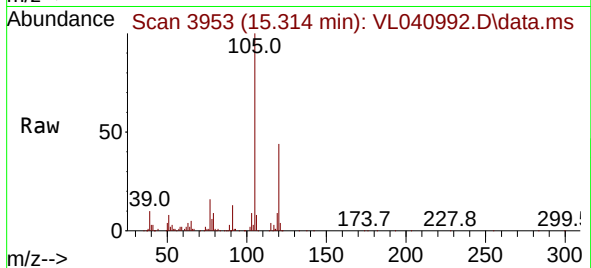
120 43.8 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#74

1,2,4-Trimethylbenzene

Concen: 1.239 ppbv

RT: 16.063 min Scan# 4186

Delta R.T. -0.003 min

Lab File: VL040992.D

Acq: 23 Jan 2024 11:01

Tgt Ion:105 Resp: 340844

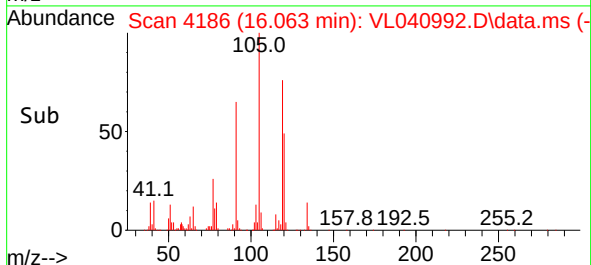
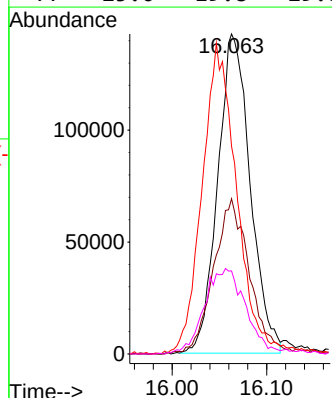
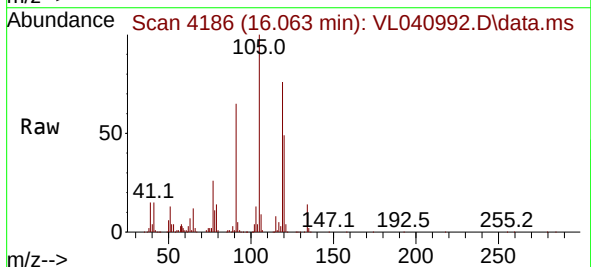
Ion Ratio Lower Upper

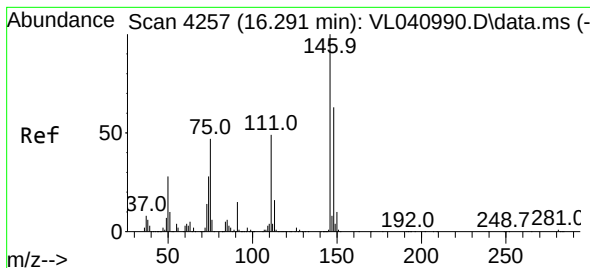
105 100

120 47.8 39.3 58.9

91 62.6 48.7 73.1

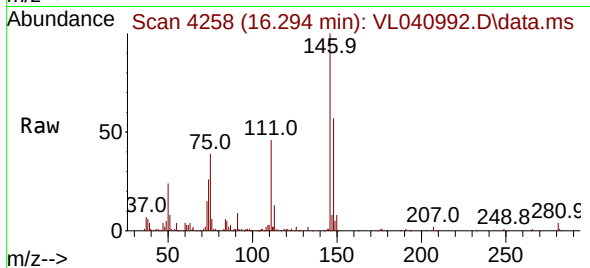
77 25.0 19.8 29.8





#75
1,3-Dichlorobenzene
Concen: 1.201 ppbv m
RT: 16.294 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

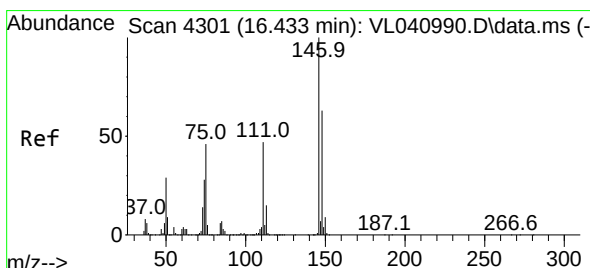
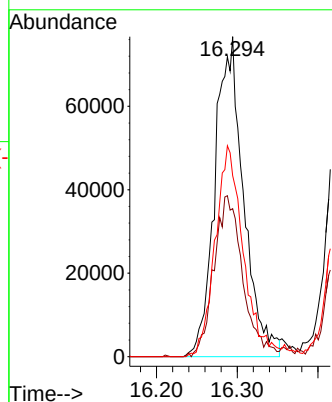
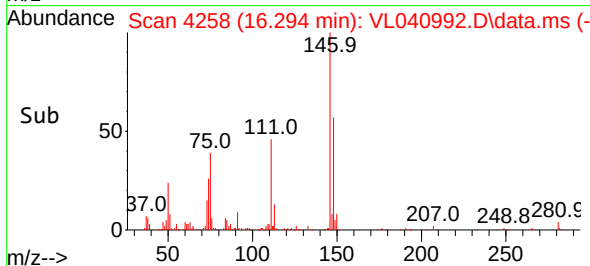
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



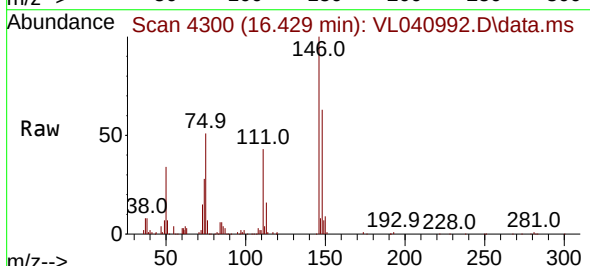
Tgt Ion:146 Resp: 188790
Ion Ratio Lower Upper
146 100
111 52.4 24.4 73.2
148 65.0 32.5 97.4

Manual Integrations
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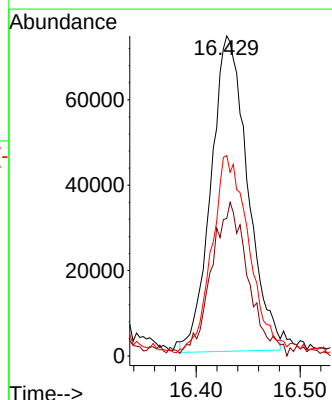
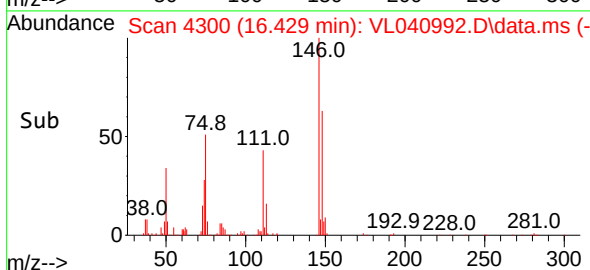
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

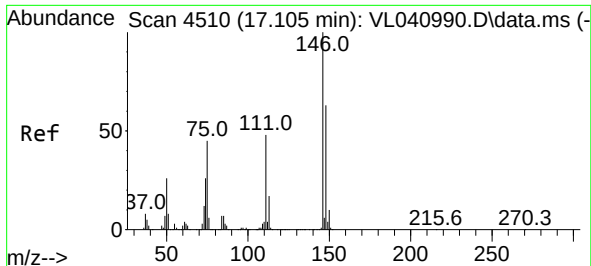


#76
1,4-Dichlorobenzene
Concen: 1.177 ppbv
RT: 16.429 min Scan# 4300
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01



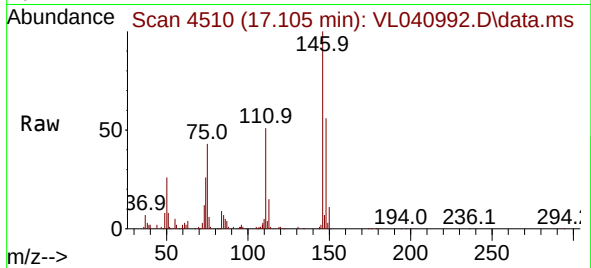
Tgt Ion:146 Resp: 180994
Ion Ratio Lower Upper
146 100
111 49.6 24.0 72.0
148 65.9 32.9 98.7





#77
1,2-Dichlorobenzene
Concen: 1.245 ppbv
RT: 17.105 min Scan# 4510
Delta R.T. 0.000 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

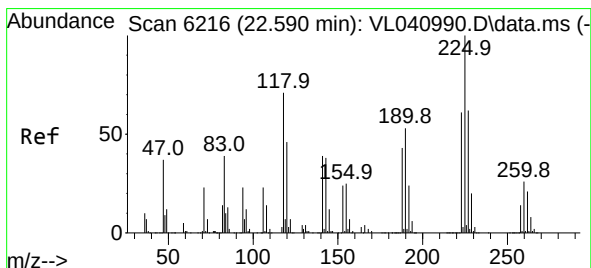
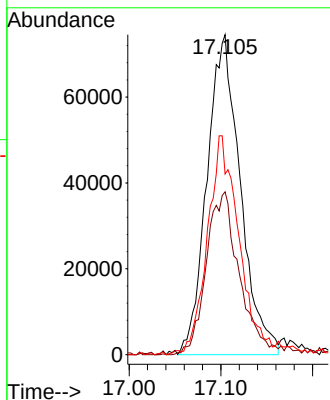
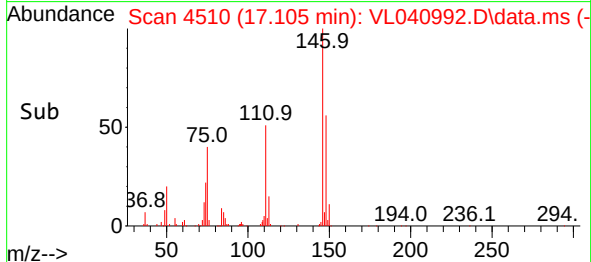
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



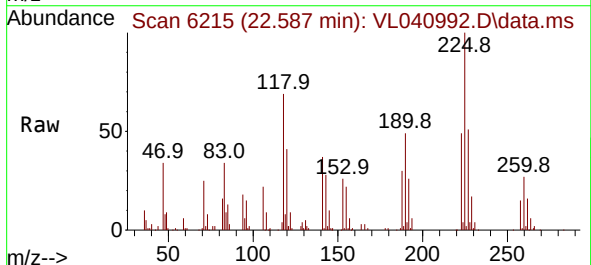
Tgt Ion:146 Resp: 188478
Ion Ratio Lower Upper
146 100
111 51.2 24.8 74.3
148 67.6 31.8 95.3

Manual Integrations
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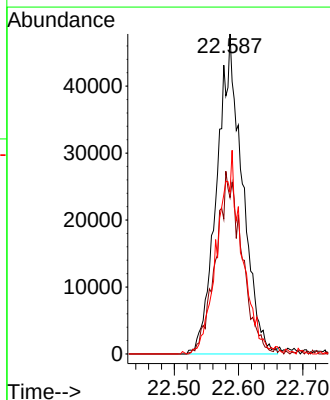
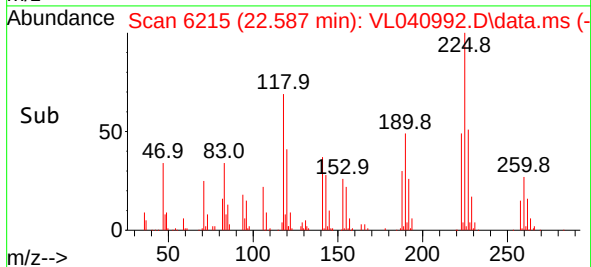
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

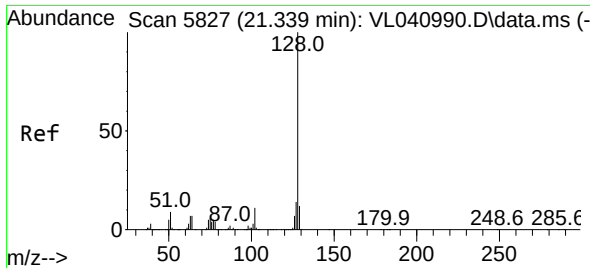


#78
Hexachloro-1,3-Butadiene
Concen: 1.419 ppbv m
RT: 22.587 min Scan# 6215
Delta R.T. -0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01



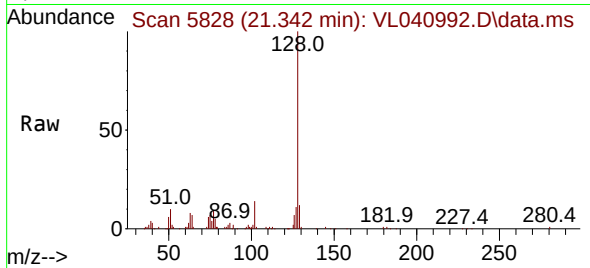
Tgt Ion:225 Resp: 132150
Ion Ratio Lower Upper
225 100
223 0.0 51.1 76.7#
227 61.1 51.0 76.4





#79
Naphthalene
Concen: 1.342 ppbv
RT: 21.342 min Scan# 5828
Delta R.T. 0.003 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01

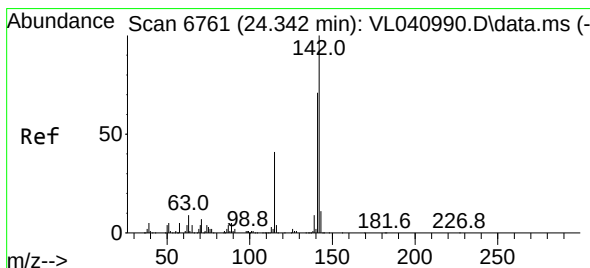
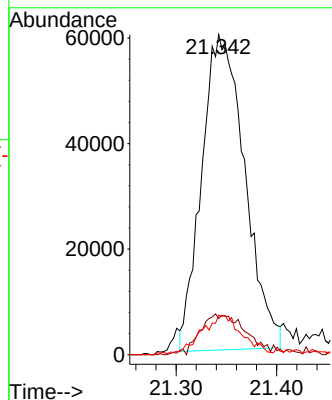
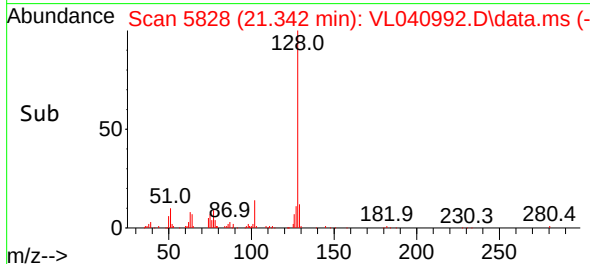
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



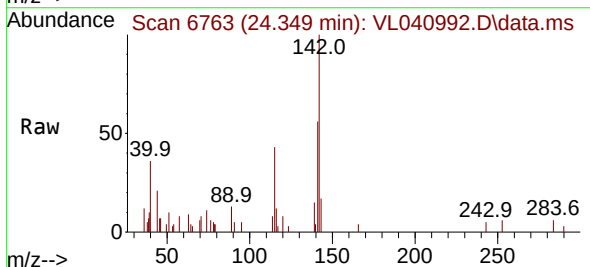
Tgt Ion:128 Resp: 177975
Ion Ratio Lower Upper
128 100
127 10.8 10.9 16.3
129 12.4 9.3 13.9

Manual Integrations
APPROVED

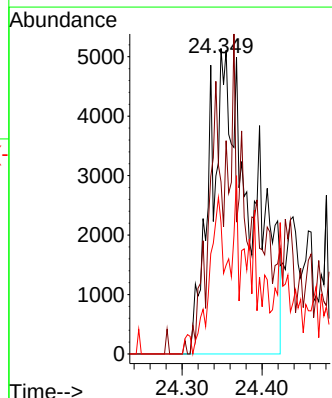
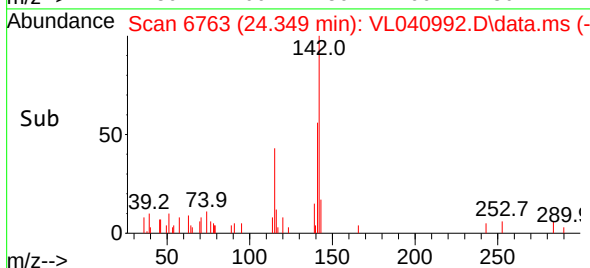
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

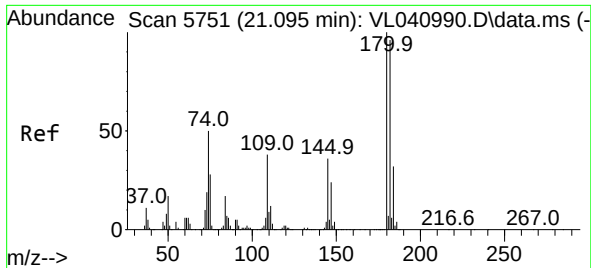


#80
Naphthalene,2-methyl-
Concen: 0.754 ppbv
RT: 24.349 min Scan# 6763
Delta R.T. 0.006 min
Lab File: VL040992.D
Acq: 23 Jan 2024 11:01



Tgt Ion:142 Resp: 18277
Ion Ratio Lower Upper
142 100
141 78.1 62.7 94.1
115 39.6 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 1.395 ppbv m

RT: 21.101 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040992.D

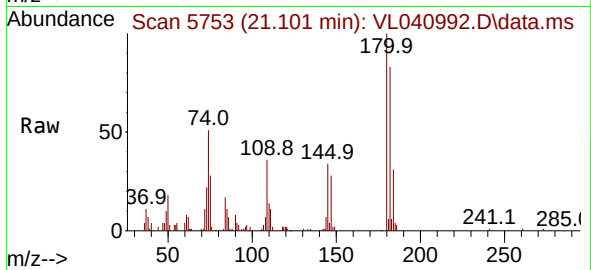
Acq: 23 Jan 2024 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion:180 Resp: 106210

Ion Ratio Lower Upper

180 100

182 0.0 78.6 118.0

184 0.0 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024

