

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041034.D
 Acq On : 7 Feb 2024 10:28
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024

Quant Time: Feb 08 02:41:02 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 : Thu Feb 08 02:04:13 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1152794	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2920599	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2882271	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2267524 10.416 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	2426567	9.530	ppbv	96
3) Chlorodifluoromethane	2.648	51	1846193	9.522	ppbv	99
4) Chloromethane	2.787	50	696858	9.589	ppbv	99
5) Vinyl Chloride	2.893	62	718932	10.090	ppbv	97
6) Bromomethane	3.092	94	308518	9.944	ppbv	99
7) Chloroethane	3.172	64	247833	9.660	ppbv	99
8) Dichlorotetrafluoroethane	2.832	85	1826686	9.604	ppbv	99
9) Propene	2.668	41	612330	9.628	ppbv	96
10) Heptane	7.552	43	1534642	9.805	ppbv	99
11) Trichlorofluoromethane	3.533	101	1987264	9.686	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.041	101	1424837	9.583	ppbv	100
13) Ethanol	3.214	45	135114	8.914	ppbv	96
14) Bromoethene	3.340	108	595961	10.439	ppbv	99
15) Acetone	3.439	43	1347677	9.142	ppbv	98
16) 1,3-Butadiene	2.957	39	665801	9.441	ppbv	96
17) tert-Butyl alcohol	3.851	59	1174137	9.711	ppbv	99
18) 1,1-Dichloroethene	3.851	96	627923	9.864	ppbv	97
19) Isopropyl Alcohol	3.549	45	857770	10.052	ppbv	99
20) Methylene Chloride	3.906	84	503598	8.878	ppbv	96
21) Allyl Chloride	3.970	41	855070	9.546	ppbv	98
22) trans-1,2-Dichloroethene	4.417	96	653337	9.967	ppbv	97
23) Vinyl Acetate	4.600	43	1478379	9.729	ppbv	98
24) 1,1-Dichloroethane	4.536	63	1259279	9.342	ppbv	99
25) Ethyl Acetate	5.179	43	2547438	9.530	ppbv	100
26) Hexane	5.185	57	1102563	9.677	ppbv	98
27) Carbon Disulfide	4.095	76	1581919	10.669	ppbv	99
28) Methyl tert-Butyl Ether	4.558	73	854224	9.033	ppbv	96
29) Chloroform	5.246	83	1920442	9.503	ppbv	99
30) Cyclohexane	6.574	84	946385	9.914	ppbv	99
31) cis-1,2-Dichloroethene	5.050	61	1108842	10.369	ppbv	97
32) 1,1,1-Trichloroethane	5.976	97	1898917	9.832	ppbv	100
34) 2-Butanone	4.758	43	1415224	10.171	ppbv	100
35) Carbon Tetrachloride	6.465	117	2043138	10.491	ppbv	99
36) Benzene	6.343	78	2388991	9.904	ppbv	99
37) 1,2-Dichloroethane	5.780	62	1440844	9.788	ppbv	100
38) Trichloroethene	7.262	130	943423	9.756	ppbv	98
39) 1,2-Dichloropropane	7.047	63	930236	9.790	ppbv	99
40) 1,4-Dioxane	7.256	88	385591	9.770	ppbv #	1
41) Tetrahydrofuran	5.529	42	936367	9.911	ppbv	99
42) Bromodichloromethane	7.224	83	2153095	10.223	ppbv	99
43) Methyl Methacrylate	7.446	69	995485	10.695	ppbv	99
44) 2,2,4-Trimethylpentane	7.298	57	3987426	9.824	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	777358	12.223	ppbv	96

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

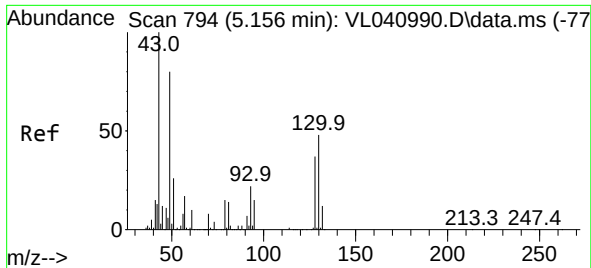
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Feb 08 02:04:13 2024

Response via : Initial Calibration

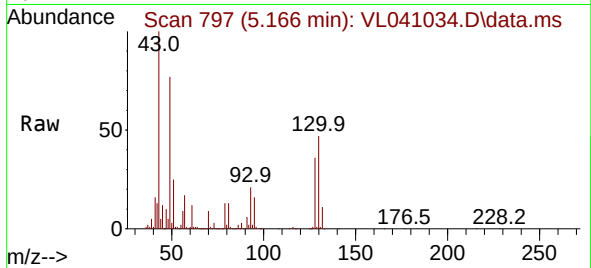
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	905395	11.416	ppbv	96
47) 1,1,2-Trichloroethane	8.870	97	1028485	10.042	ppbv	98
48) Dibromochloromethane	9.683	129	1828116	10.558	ppbv	99
49) Bromoform	12.378	173	1553709	11.439	ppbv	100
50) 4-Methyl-2-Pentanone	8.150	43	2568846	10.483	ppbv	100
51) 2-Hexanone	9.523	43	1875560	10.619	ppbv #	100
52) Tetrachloroethene	10.584	164	836398	10.442	ppbv	98
53) Toluene	9.195	91	2745996	10.392	ppbv	100
54) 1,2-Dibromoethane	9.982	107	1481298	10.679	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.481	131	1332200	9.633	ppbv	99
57) Chlorobenzene	11.500	112	2173465	9.375	ppbv	99
58) Ethyl Benzene	12.060	91	3772636	9.747	ppbv	98
59) m/p-Xylene	12.349	91	6545295m	19.396	ppbv	
60) o-Xylene	13.031	91	3161157	9.763	ppbv	99
61) Styrene	12.870	104	1612553	10.847	ppbv	99
62) Isopropylbenzene	14.002	105	4565425	9.535	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.021	83	2382688	9.469	ppbv	99
64) n-propylbenzene	14.886	120	1191225	9.847	ppbv	98
65) tert-Butylbenzene	16.063	119	4049500	9.680	ppbv	100
66) Benzyl Chloride	16.301	91	297726	10.860	ppbv	100
67) sec-Butylbenzene	16.609	105	5735164	9.415	ppbv	100
69) p-Isopropyltoluene	16.966	119	4596990	9.742	ppbv	100
70) n-Butylbenzene	17.860	91	4927918	9.665	ppbv	100
71) 2-Chlorotoluene	14.773	91	3567710	9.657	ppbv	100
72) 4-Ethyltoluene	15.166	105	3646501	10.084	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	3139201	9.782	ppbv	99
74) 1,2,4-Trimethylbenzene	16.082	105	3473852	9.549	ppbv	93
75) 1,3-Dichlorobenzene	16.304	146	2015404	9.734	ppbv	99
76) 1,4-Dichlorobenzene	16.445	146	1964012	9.613	ppbv	99
77) 1,2-Dichlorobenzene	17.117	146	1951024	9.481	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	1091080	8.222	ppbv	100
79) Naphthalene	21.355	128	2436307	11.739	ppbv	99
80) Naphthalene,2-methyl-	24.352	142	449985m	12.345	ppbv	
81) 1,2,4-Trichlorobenzene	21.107	180	1226871m	10.132	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 794
Delta R.T. -0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

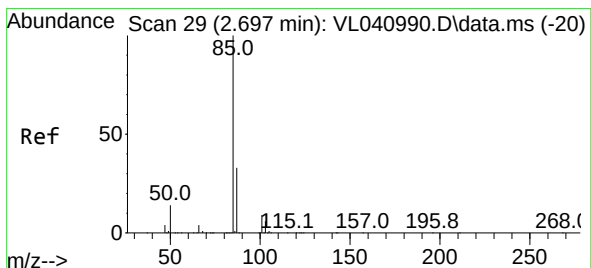
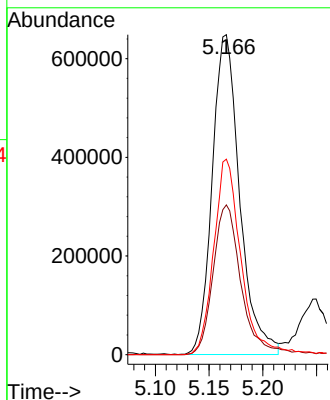
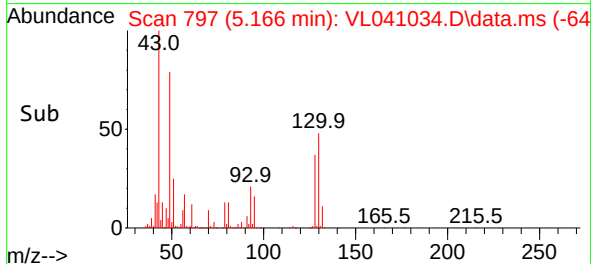
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



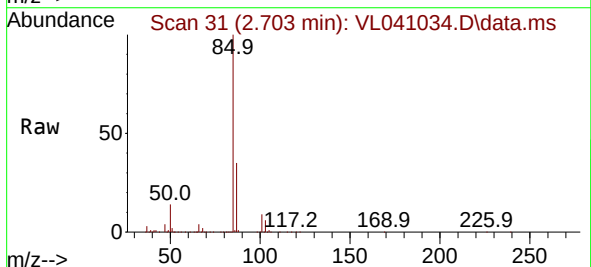
Tgt Ion: 49 Resp: 1152794
Ion Ratio Lower Upper
49 100
128 48.5 23.9 71.7
130 61.4 31.1 93.5

Manual Integrations
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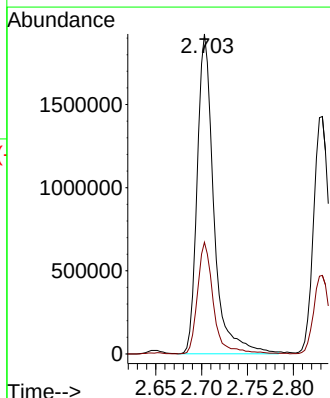
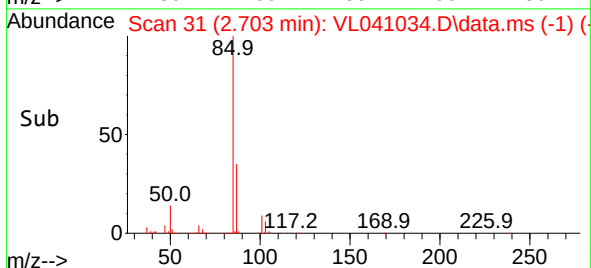
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

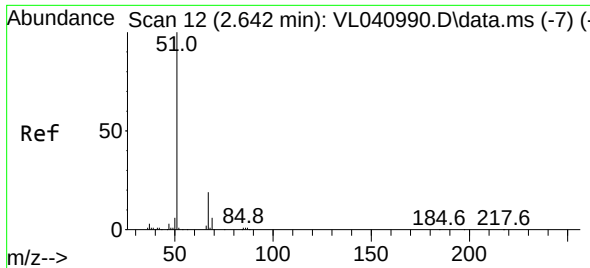


#2
Dichlorodifluoromethane
Concen: 9.530 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



Tgt Ion: 85 Resp: 2426567
Ion Ratio Lower Upper
85 100
87 34.9 26.3 39.5





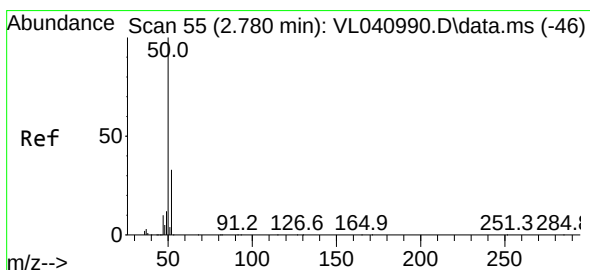
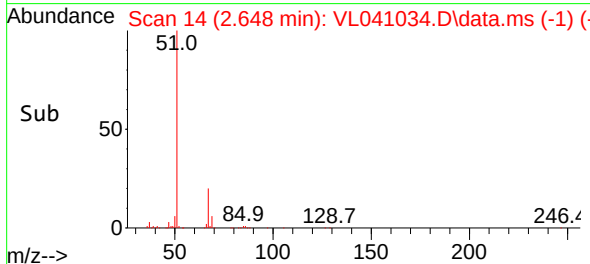
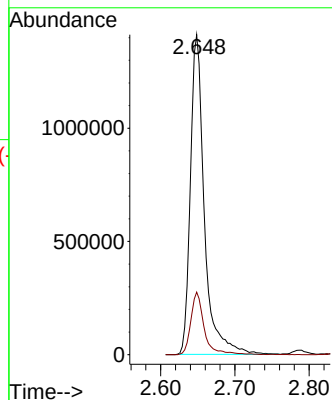
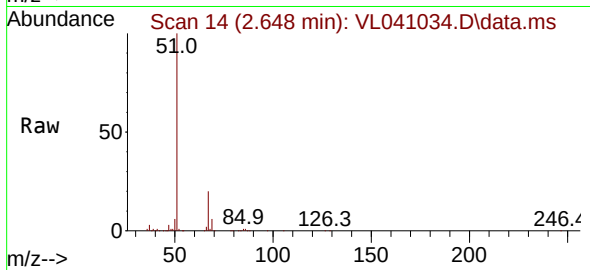
#3
Chlorodifluoromethane
Concen: 9.522 ppbv
RT: 2.648 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 184619
Ion Ratio Lower Upper
51 100
67 19.0 14.8 22.2

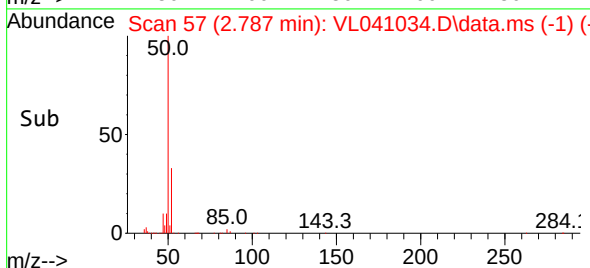
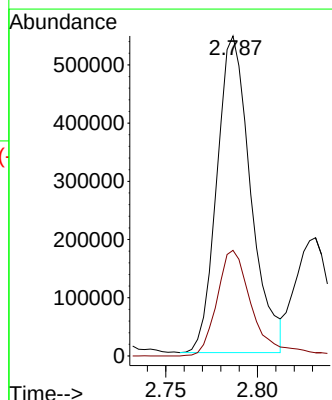
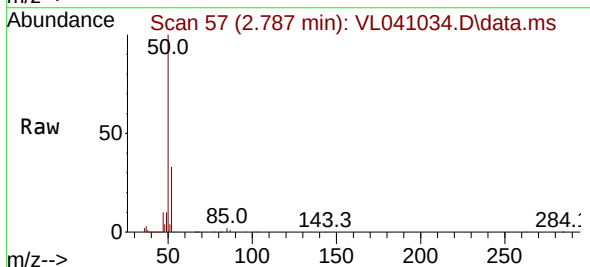
Manual Integrations
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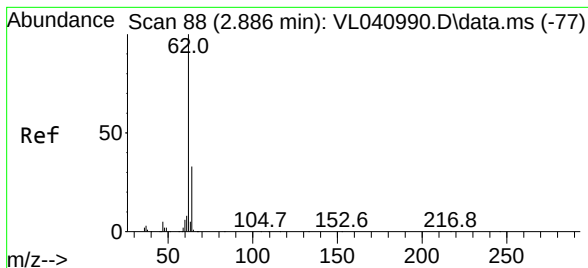
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#4
Chloromethane
Concen: 9.589 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion: 50 Resp: 696858
Ion Ratio Lower Upper
50 100
52 33.4 26.2 39.4





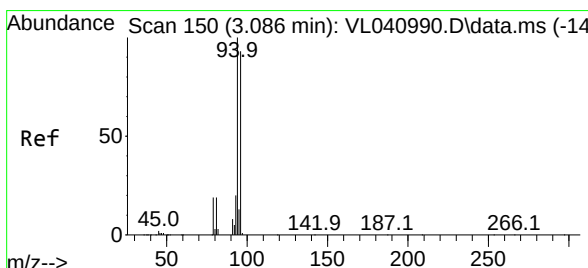
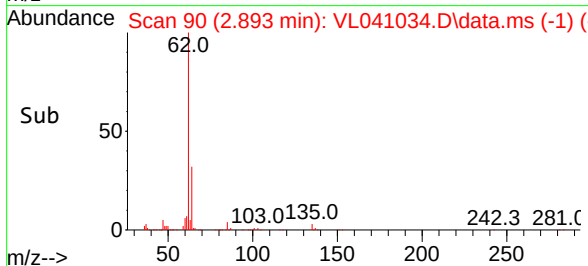
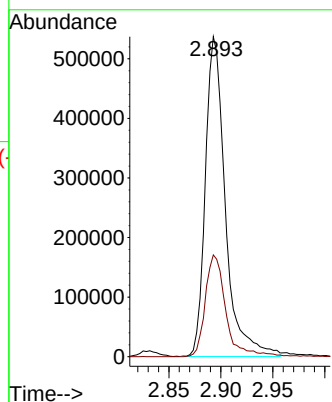
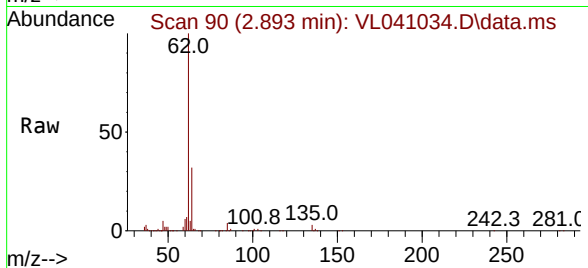
#5
 Vinyl Chloride
 Concen: 10.090 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 71893
 Ion Ratio Lower Upper
 62 100
 64 31.8 26.6 40.0

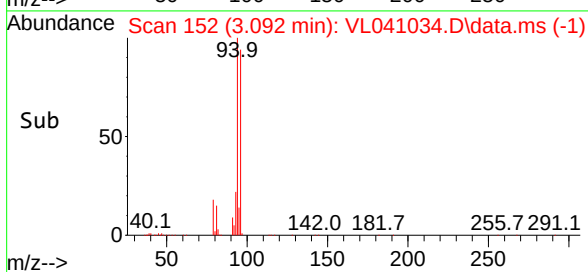
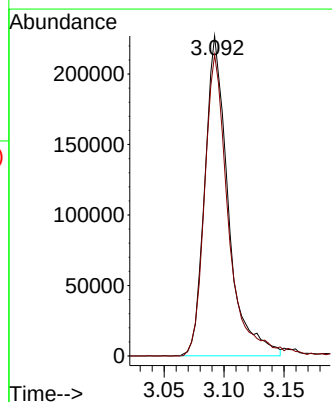
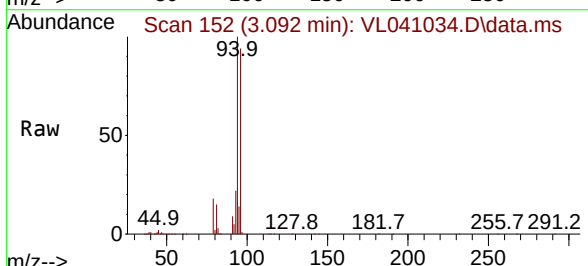
Manual Integrations
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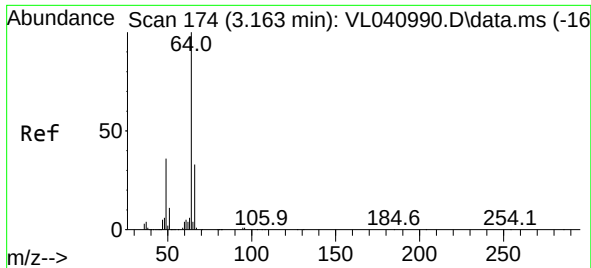
Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024



#6
 Bromomethane
 Concen: 9.944 ppbv
 RT: 3.092 min Scan# 152
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

Tgt Ion: 94 Resp: 308518
 Ion Ratio Lower Upper
 94 100
 96 94.2 74.2 111.4





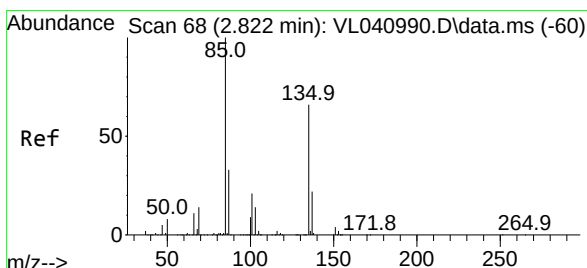
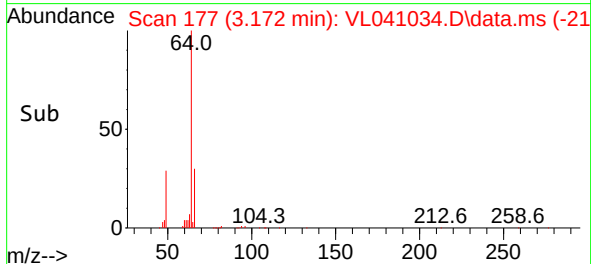
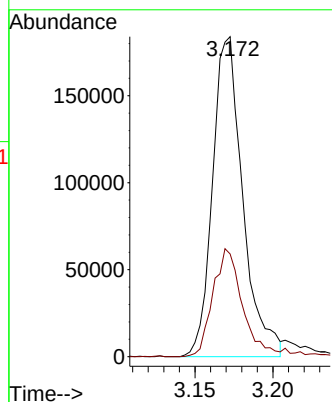
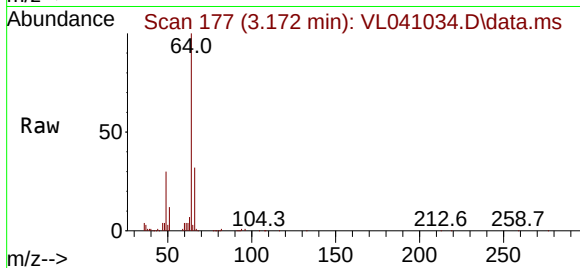
#7
Chloroethane
Concen: 9.660 ppbv
RT: 3.172 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 24783
Ion Ratio Lower Upper
64 100
66 32.1 26.0 39.0

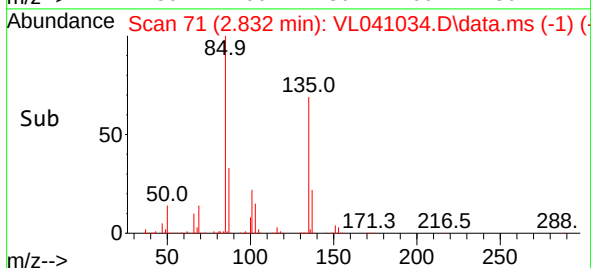
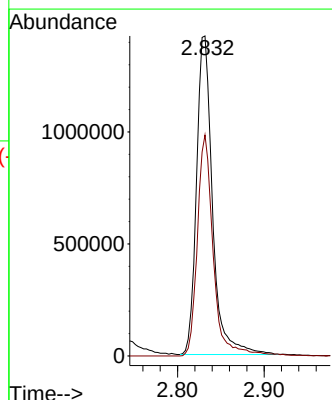
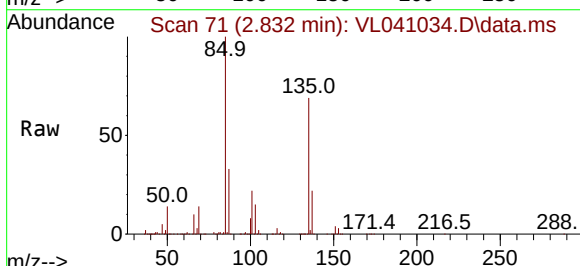
Manual Integrations
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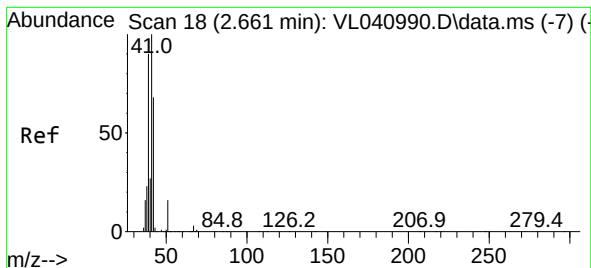
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#8
Dichlorotetrafluoroethane
Concen: 9.604 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion: 85 Resp: 1826686
Ion Ratio Lower Upper
85 100
135 69.4 55.0 82.6





#9

Propene

Concen: 9.628 ppbv

RT: 2.668 min Scan# 20

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 612330

Ion Ratio Lower Upper

41 100

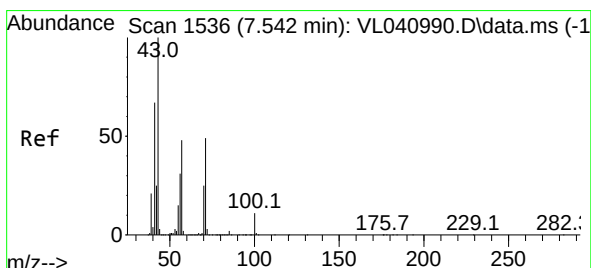
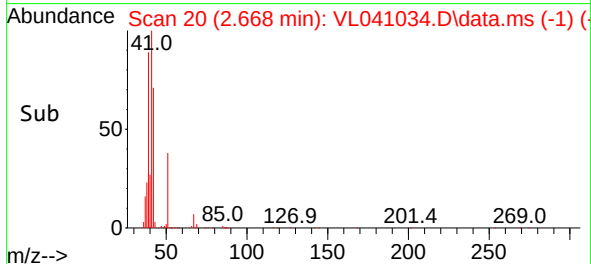
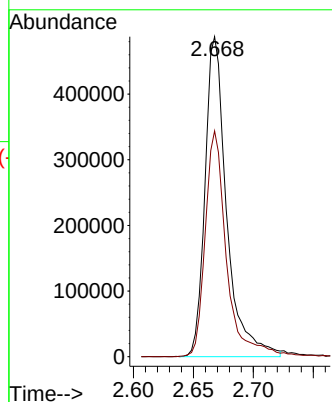
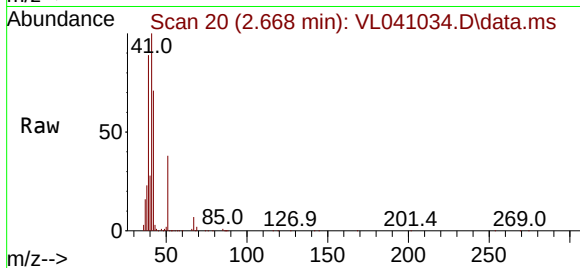
42 70.3 59.0 88.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#10

Heptane

Concen: 9.805 ppbv

RT: 7.552 min Scan# 1539

Delta R.T. 0.000 min

Lab File: VL041034.D

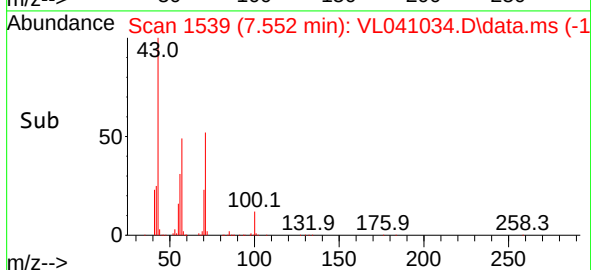
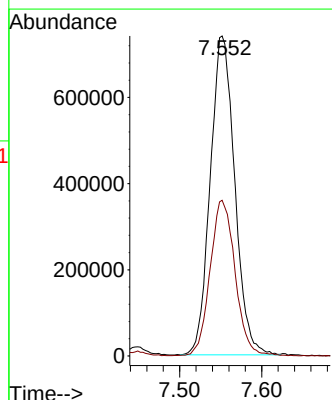
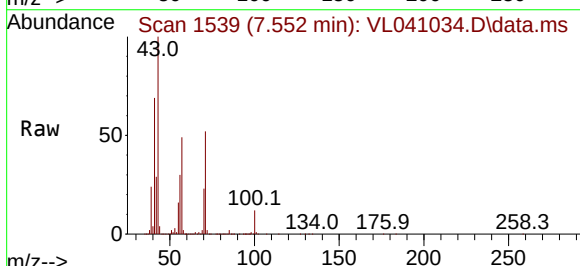
Acq: 7 Feb 2024 10:28

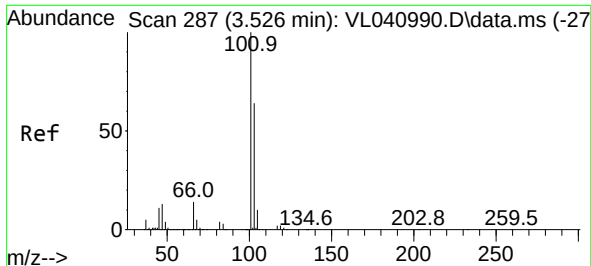
Tgt Ion: 43 Resp: 1534642

Ion Ratio Lower Upper

43 100

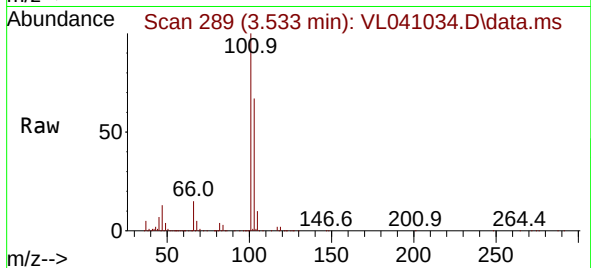
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#11
Trichlorofluoromethane
Concen: 9.686 ppbv
RT: 3.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

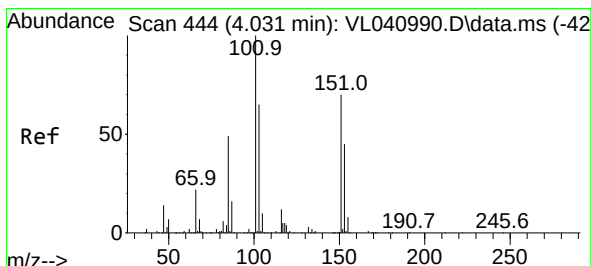
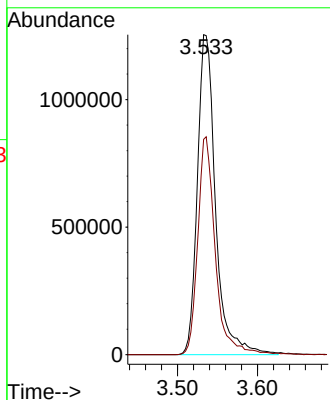
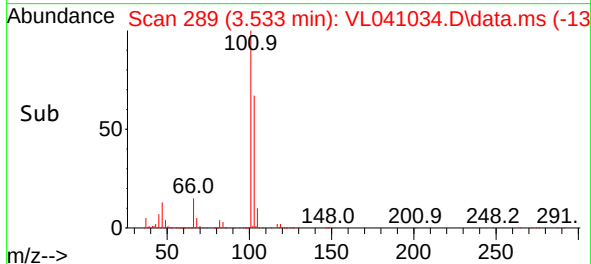
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



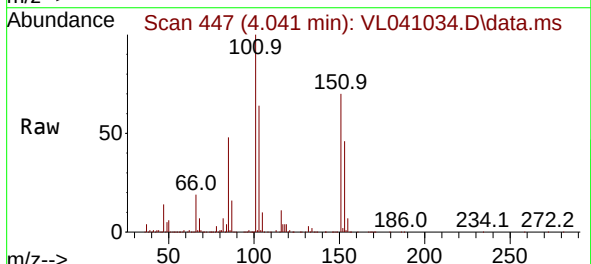
Tgt Ion:101 Resp: 1987264
Ion Ratio Lower Upper
101 100
103 67.2 51.4 77.2

Manual Integrations
APPROVED

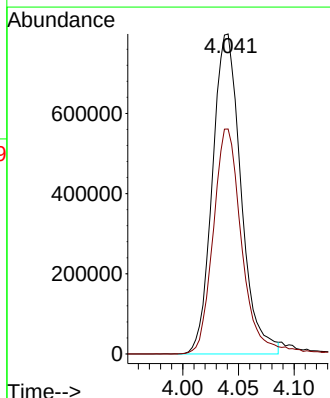
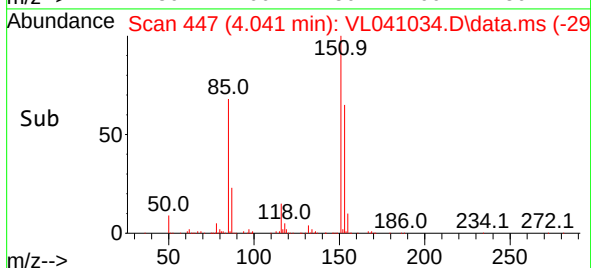
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

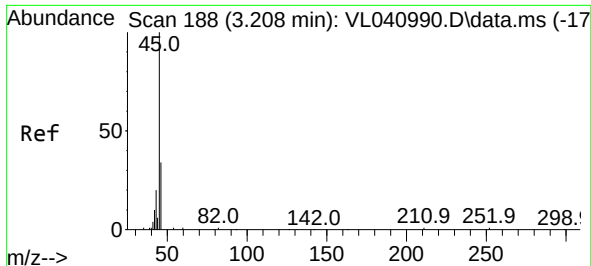


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.583 ppbv
RT: 4.041 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



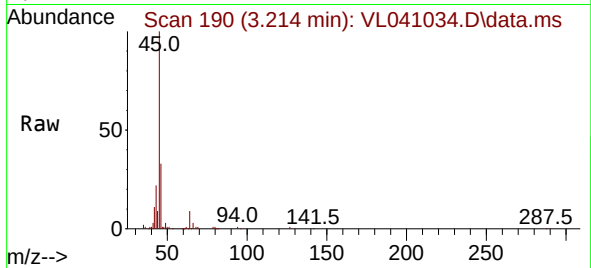
Tgt Ion:101 Resp: 1424837
Ion Ratio Lower Upper
101 100
151 71.0 56.6 85.0





#13
Ethanol
Concen: 8.914 ppbv
RT: 3.214 min Scan# 190
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

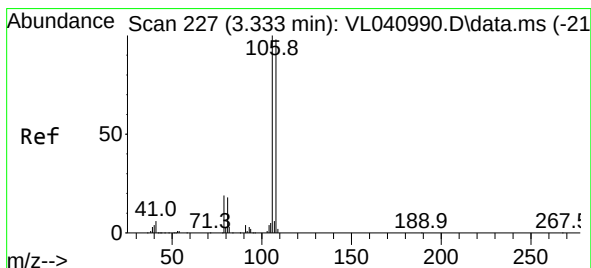
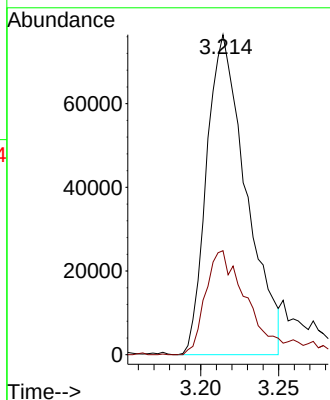
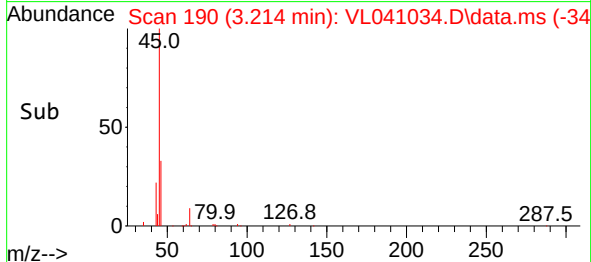
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



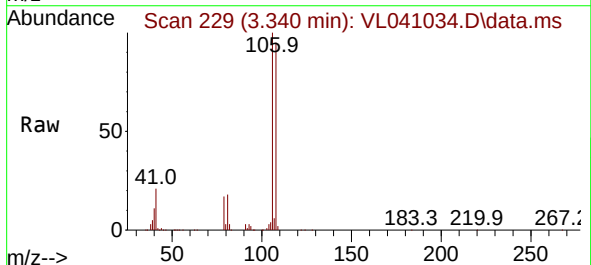
Tgt Ion: 45 Resp: 135114
Ion Ratio Lower Upper
45 100
46 38.3 16.2 64.8

Manual Integrations
APPROVED

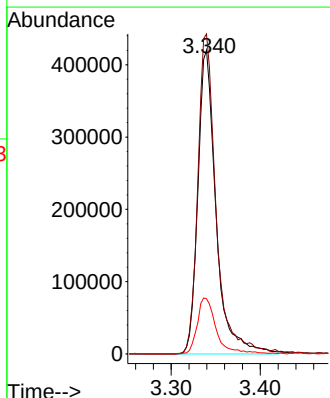
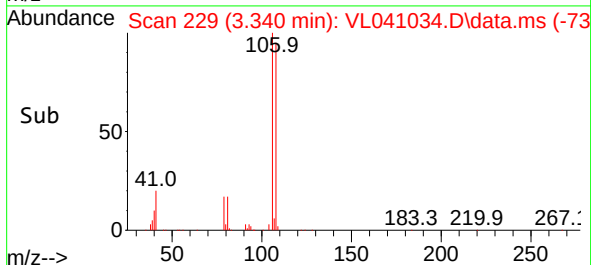
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

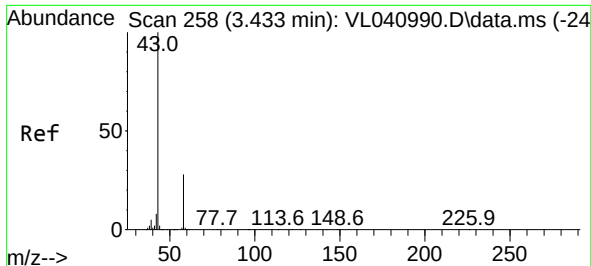


#14
Bromoethene
Concen: 10.439 ppbv
RT: 3.340 min Scan# 229
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



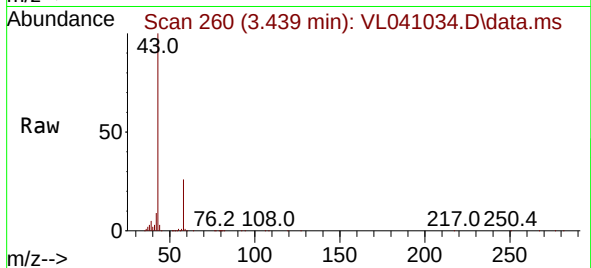
Tgt Ion:108 Resp: 595961
Ion Ratio Lower Upper
108 100
106 107.0 86.4 129.6
79 19.6 16.2 24.4





#15
Acetone
Concen: 9.142 ppbv
RT: 3.439 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

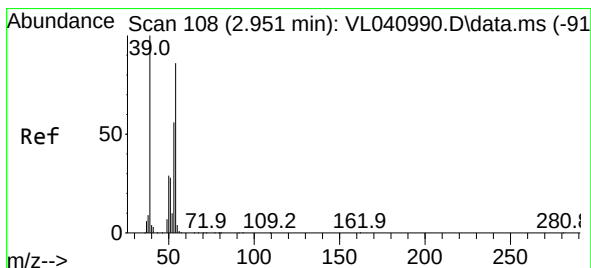
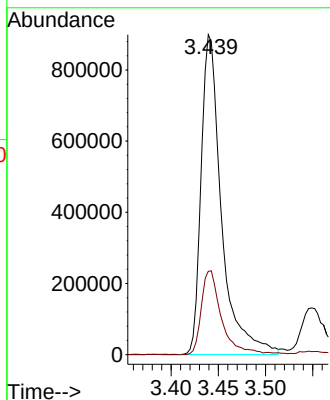
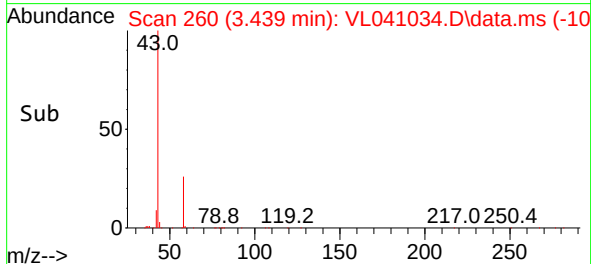
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



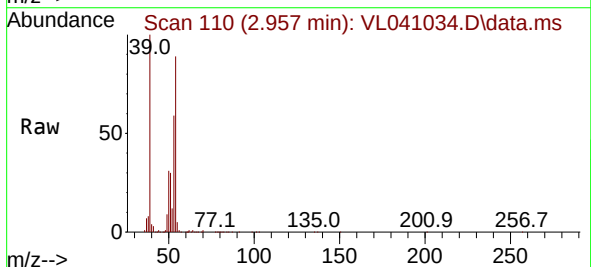
Tgt Ion: 43 Resp: 134767
Ion Ratio Lower Upper
43 100
58 26.5 22.2 33.2

Manual Integrations
APPROVED

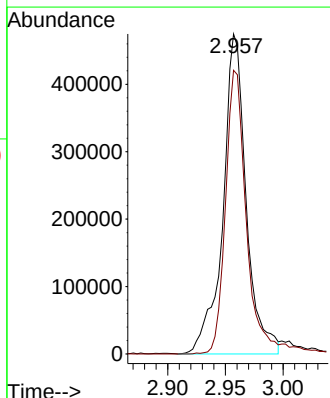
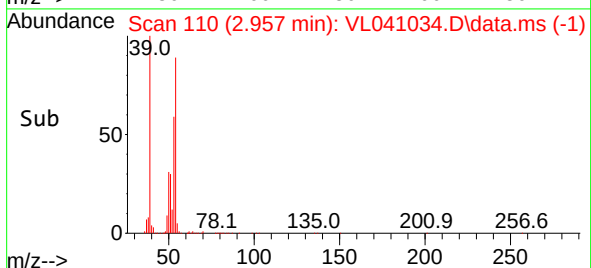
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

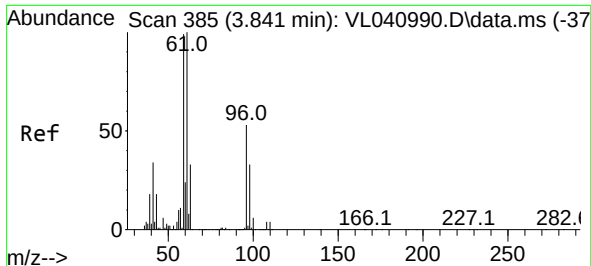


#16
1,3-Butadiene
Concen: 9.441 ppbv
RT: 2.957 min Scan# 110
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



Tgt Ion: 39 Resp: 665801
Ion Ratio Lower Upper
39 100
54 81.8 62.7 94.1





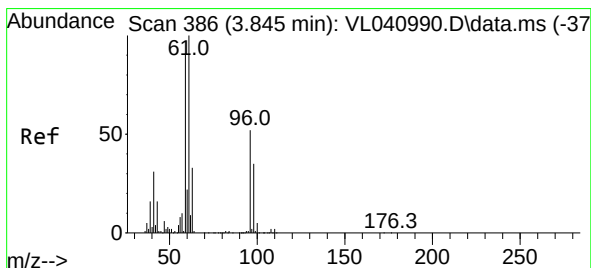
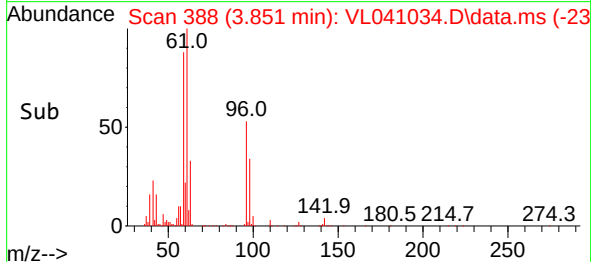
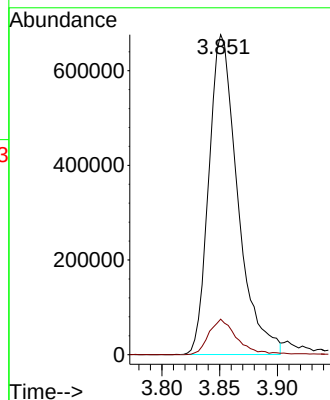
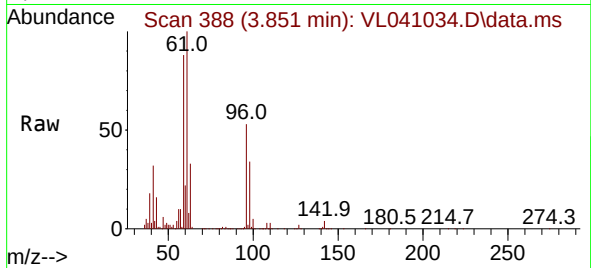
#17
tert-Butyl alcohol
Concen: 9.711 ppbv
RT: 3.851 min Scan# 388
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 117413
Ion Ratio Lower Upper
59 100
57 11.2 8.7 13.1

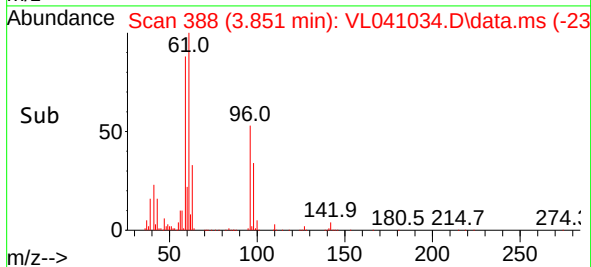
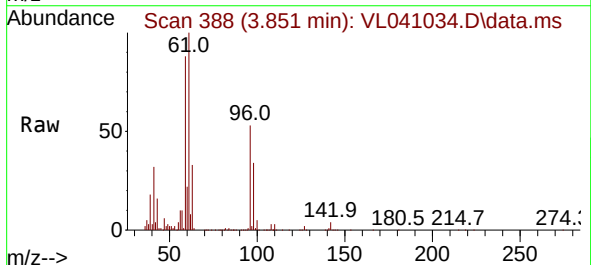
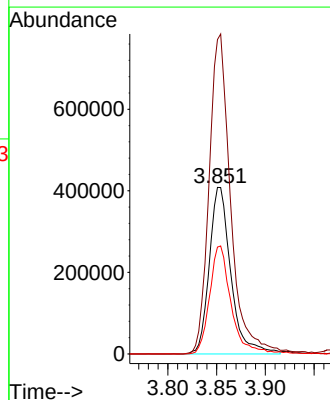
Manual Integrations
APPROVED

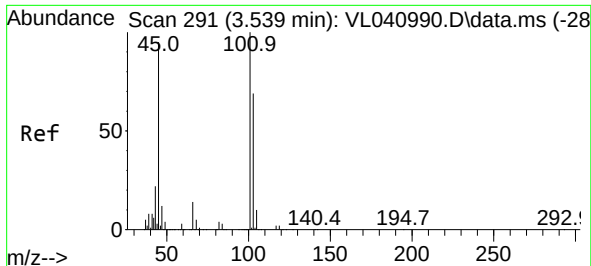
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#18
1,1-Dichloroethene
Concen: 9.864 ppbv
RT: 3.851 min Scan# 388
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

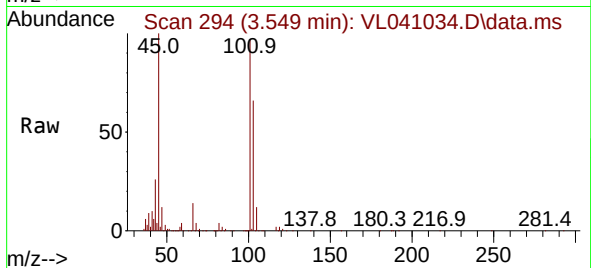
Tgt Ion: 96 Resp: 627923
Ion Ratio Lower Upper
96 100
61 188.8 153.8 230.8
98 64.2 53.7 80.5





#19
Isopropyl Alcohol
Concen: 10.052 ppbv
RT: 3.549 min Scan# 291
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

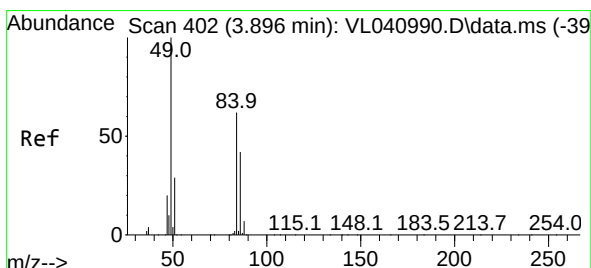
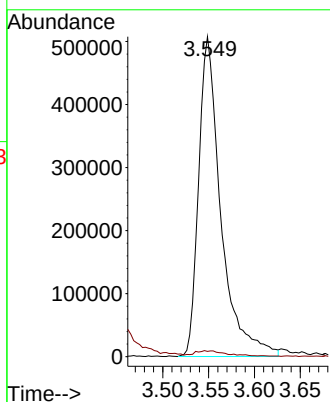
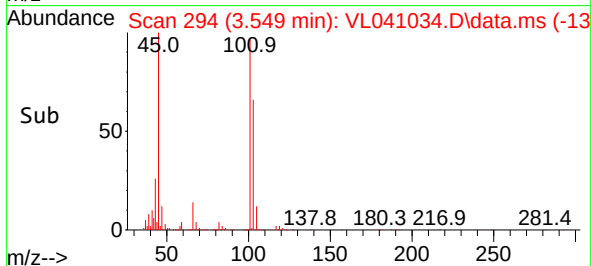
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



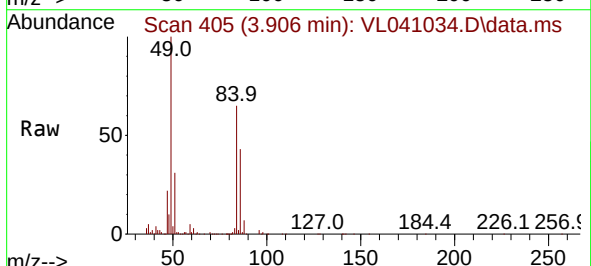
Tgt Ion: 45 Resp: 857770
Ion Ratio Lower Upper
45 100
58 2.3 2.2 3.4

Manual Integrations
APPROVED

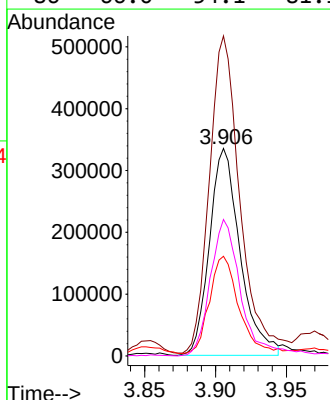
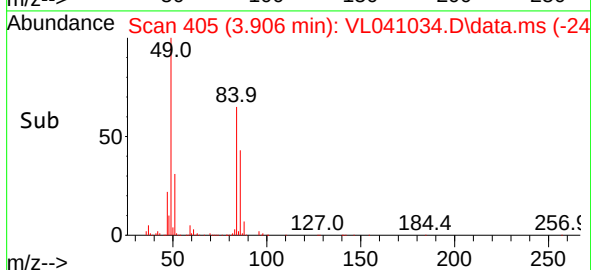
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

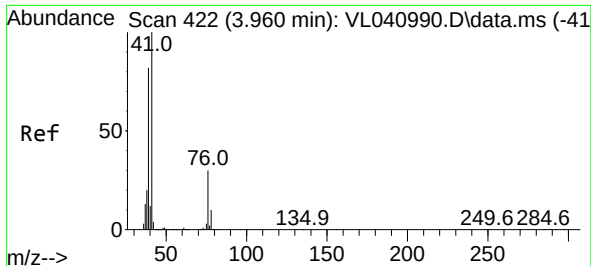


#20
Methylene Chloride
Concen: 8.878 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



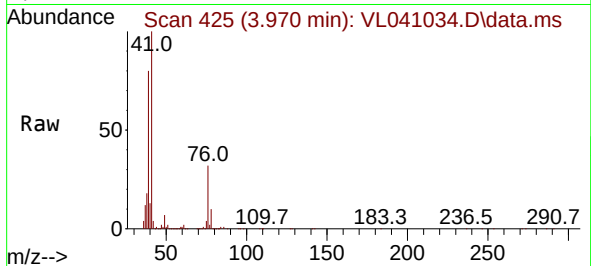
Tgt Ion: 84 Resp: 503598
Ion Ratio Lower Upper
84 100
49 153.3 128.1 192.1
51 46.9 36.5 54.7
86 66.0 54.1 81.1





#21
 Allyl Chloride
 Concen: 9.546 ppbv
 RT: 3.970 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

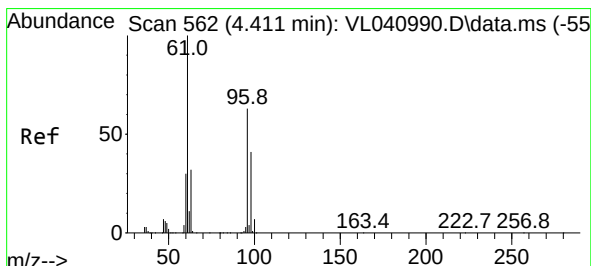
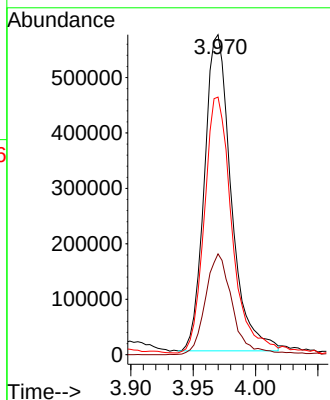
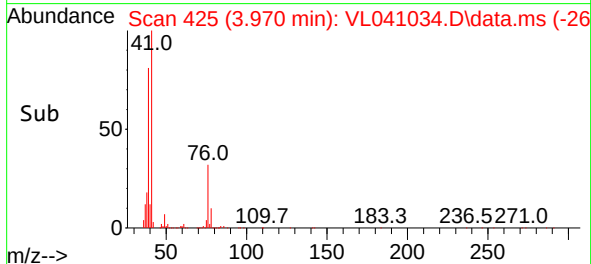
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 855070
 Ion Ratio Lower Upper
 41 100
 76 32.6 25.0 37.4
 39 85.0 67.0 100.6

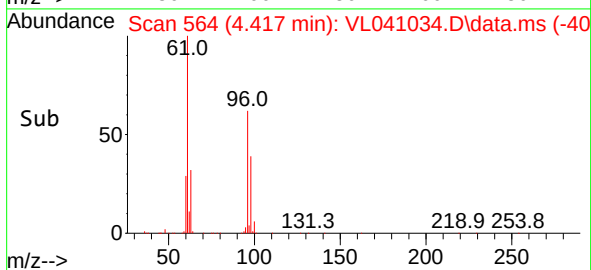
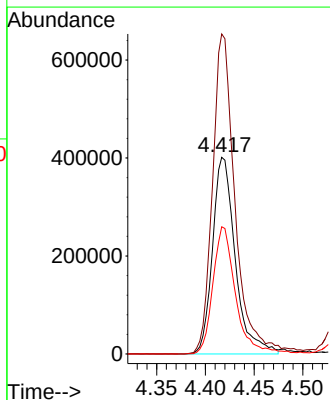
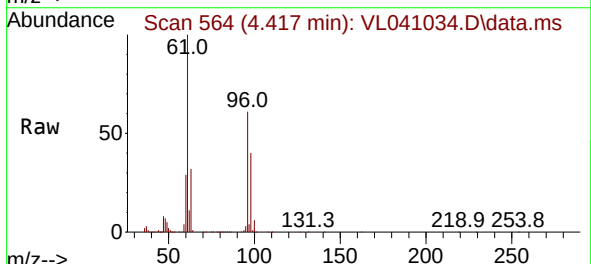
Manual Integrations
 APPROVED

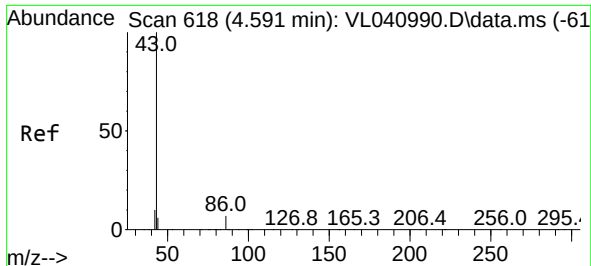
Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024



#22
 trans-1,2-Dichloroethene
 Concen: 9.967 ppbv
 RT: 4.417 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

Tgt Ion: 96 Resp: 653337
 Ion Ratio Lower Upper
 96 100
 61 162.7 126.0 189.0
 98 64.7 51.2 76.8





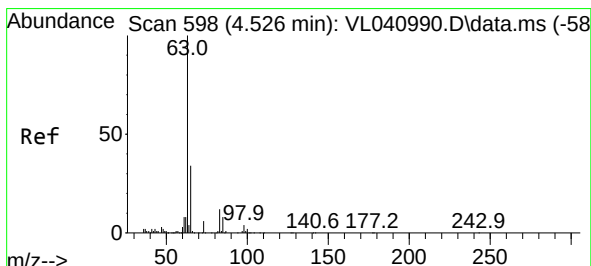
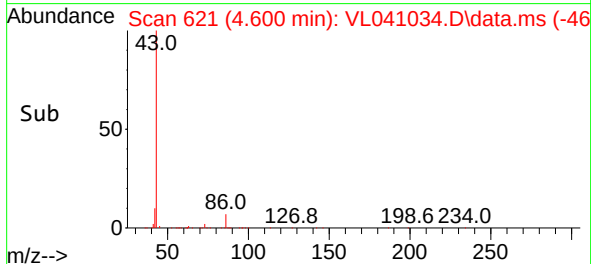
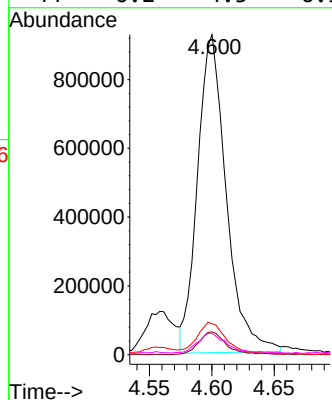
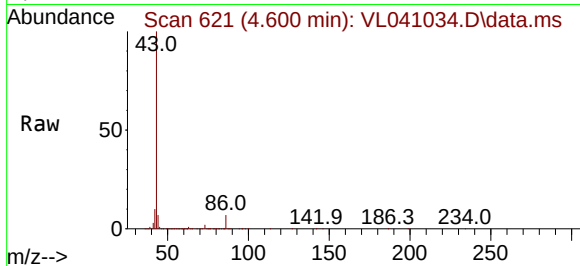
#23
 Vinyl Acetate
 Concen: 9.729 ppbv
 RT: 4.600 min Scan# 601
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1478379
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.4 8.0
 42 9.6 8.6 13.0
 44 6.2 4.3 6.5

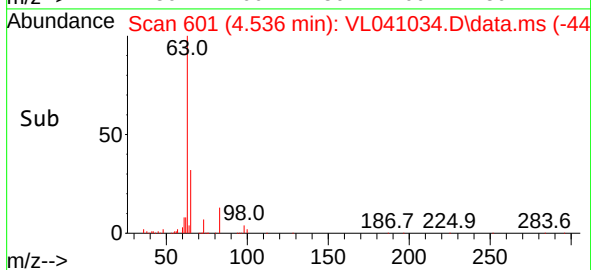
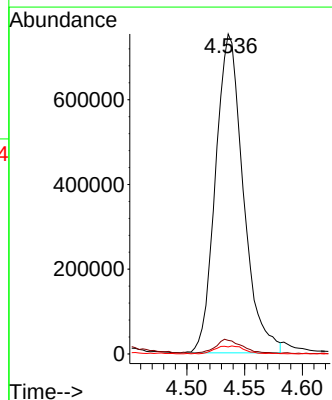
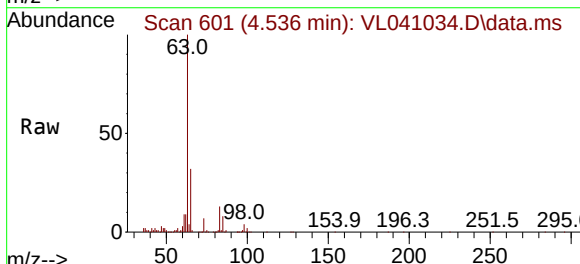
Manual Integrations
 APPROVED

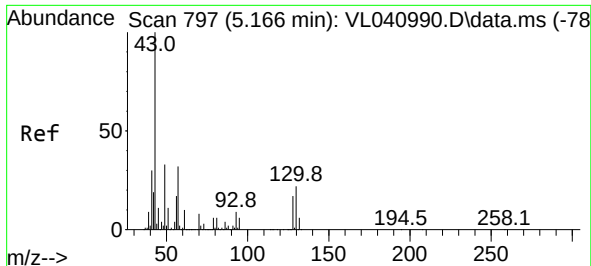
Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024



#24
 1,1-Dichloroethane
 Concen: 9.342 ppbv
 RT: 4.536 min Scan# 601
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

Tgt Ion: 63 Resp: 1259279
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.1 6.3
 100 2.2 1.3 3.9





#25

Ethyl Acetate

Concen: 9.530 ppbv

RT: 5.179 min Scan# 801

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2547438

Ion Ratio Lower Upper

43 100

45 10.2 8.2 12.4

61 9.9 7.9 11.9

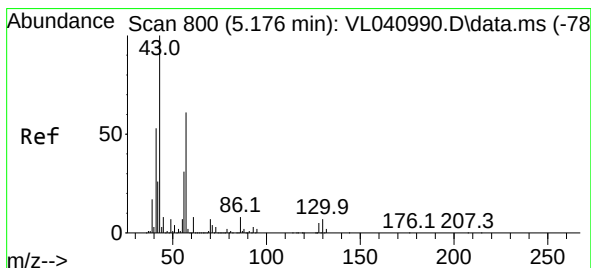
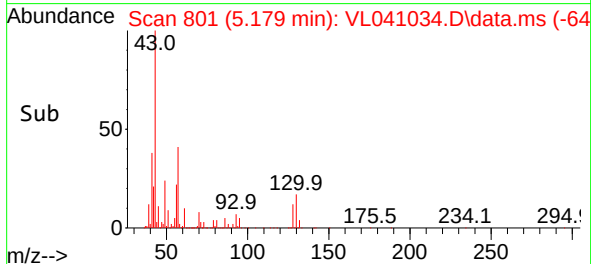
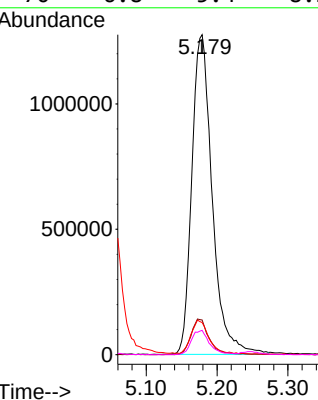
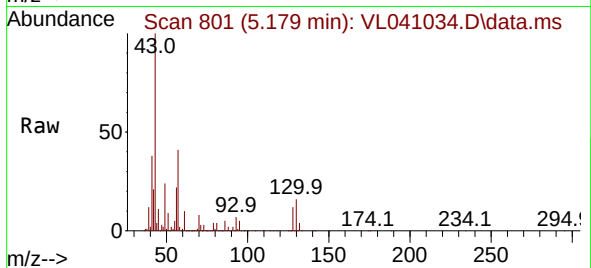
70 6.8 5.4 8.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#26

Hexane

Concen: 9.677 ppbv

RT: 5.185 min Scan# 803

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Tgt Ion: 57 Resp: 1102563

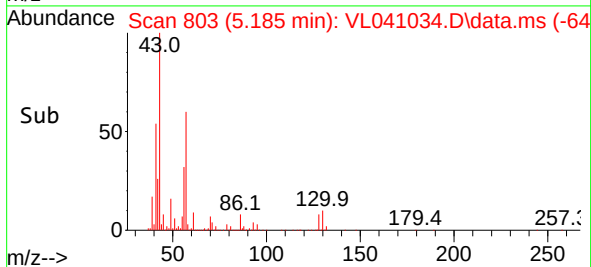
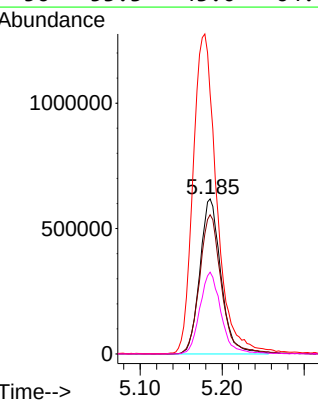
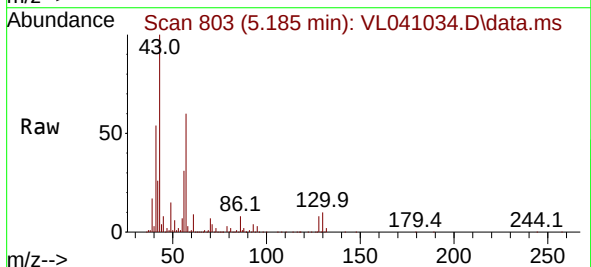
Ion Ratio Lower Upper

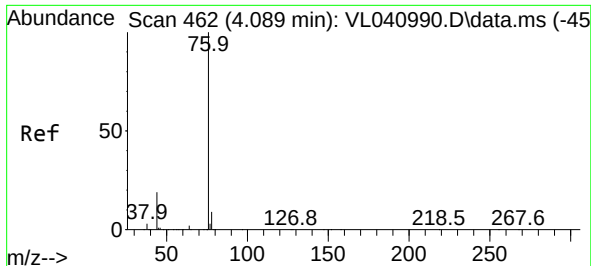
57 100

41 93.4 74.4 111.6

43 232.5 190.6 285.8

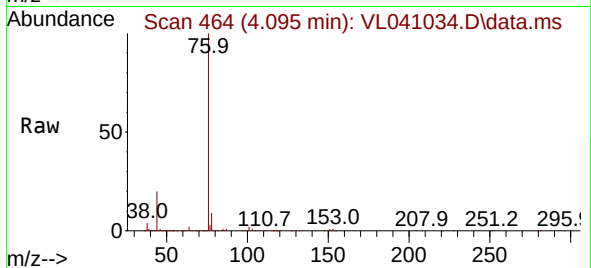
56 53.3 43.0 64.4





#27
Carbon Disulfide
Concen: 10.669 ppbv
RT: 4.095 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

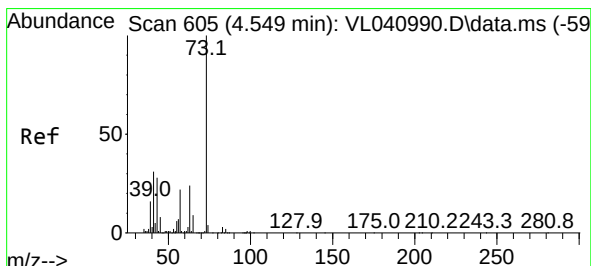
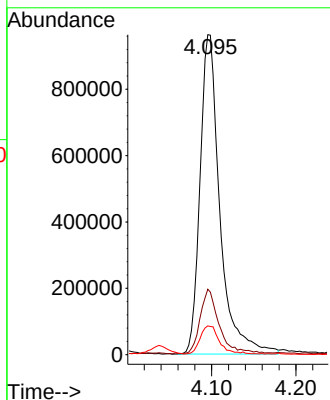
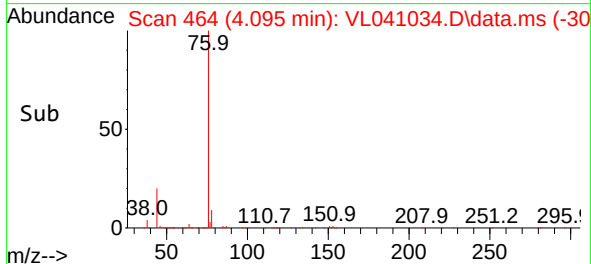
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 1581919
Ion Ratio Lower Upper
76 100
44 19.6 16.0 24.0
78 9.2 7.8 11.8

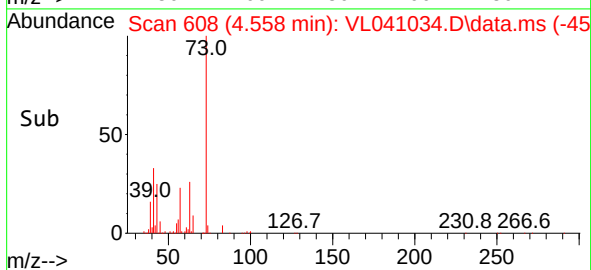
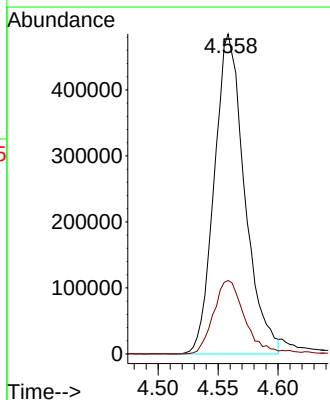
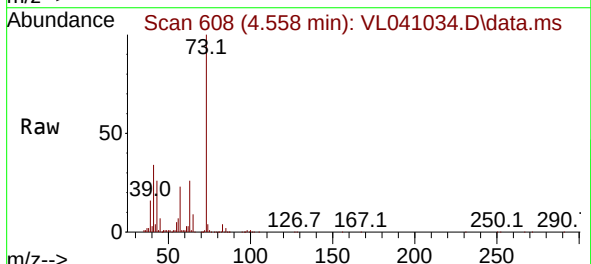
Manual Integrations
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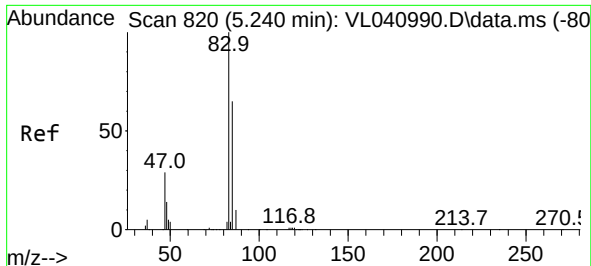
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#28
Methyl tert-Butyl Ether
Concen: 9.033 ppbv
RT: 4.558 min Scan# 608
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion: 73 Resp: 854224
Ion Ratio Lower Upper
73 100
57 24.4 18.0 27.0





#29

Chloroform

Concen: 9.503 ppbv

RT: 5.246 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041034.D

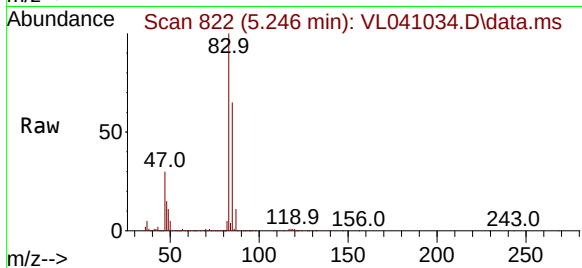
Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 83 Resp: 192044

Ion Ratio Lower Upper

83 100

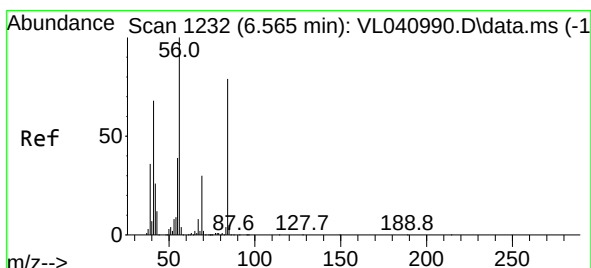
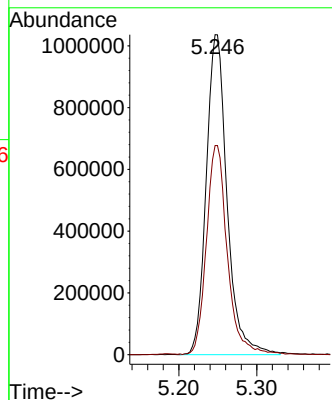
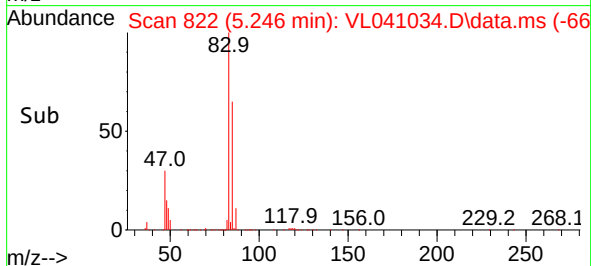
85 65.1 51.6 77.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#30

Cyclohexane

Concen: 9.914 ppbv

RT: 6.574 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

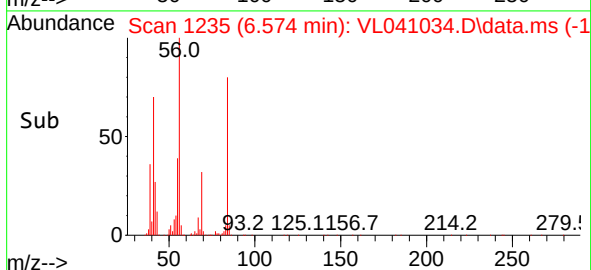
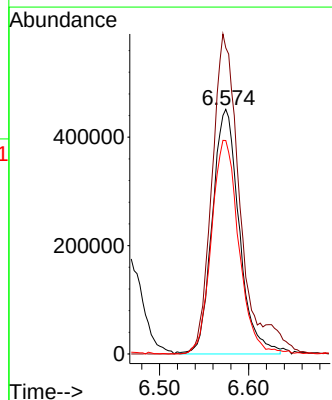
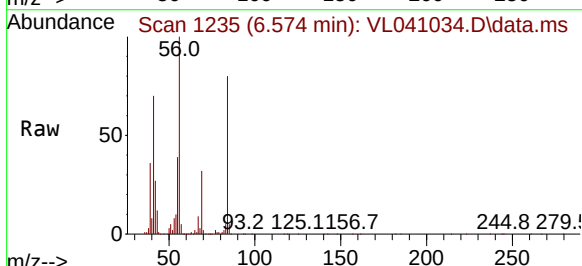
Tgt Ion: 84 Resp: 946385

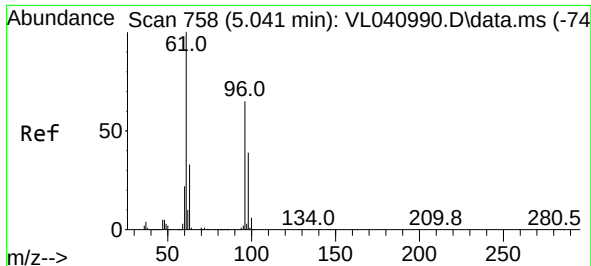
Ion Ratio Lower Upper

84 100

56 137.9 111.7 167.5

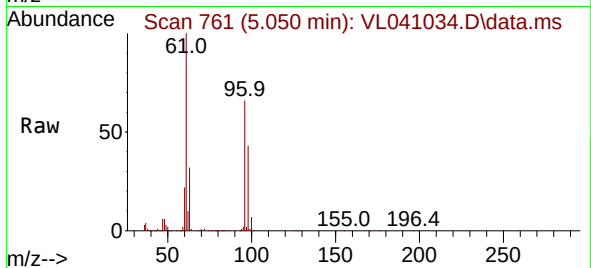
41 88.9 71.0 106.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.369 ppbv
 RT: 5.050 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

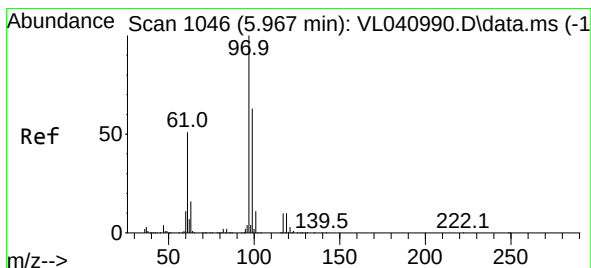
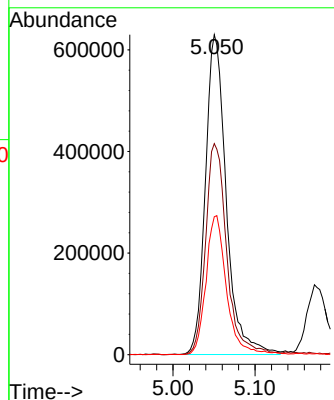
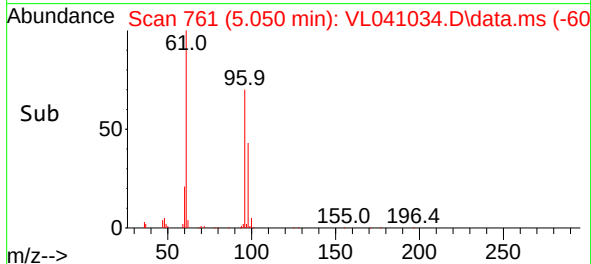
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



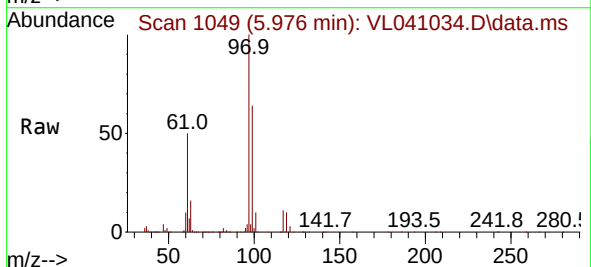
Tgt Ion: 61 Resp: 110884
 Ion Ratio Lower Upper
 61 100
 96 65.9 51.9 77.9
 98 43.1 31.5 47.3

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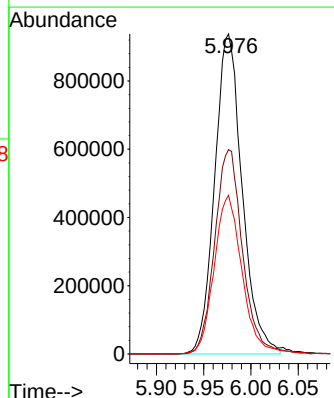
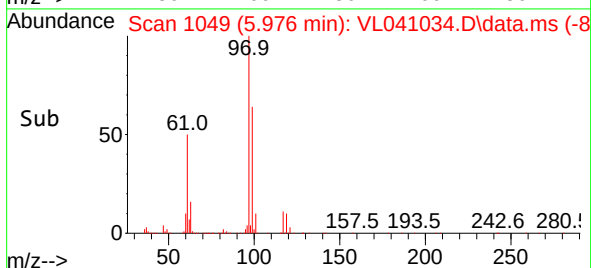
Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024

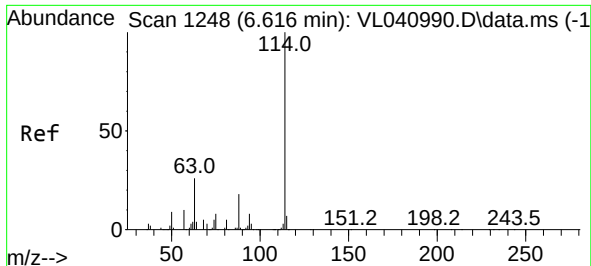


#32
 1,1,1-Trichloroethane
 Concen: 9.832 ppbv
 RT: 5.976 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28



Tgt Ion: 97 Resp: 1898917
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.5 77.3
 61 50.5 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 292059

Ion Ratio Lower Upper

114 100

63 26.4 20.8 31.2

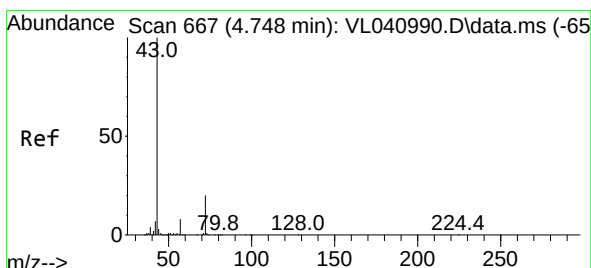
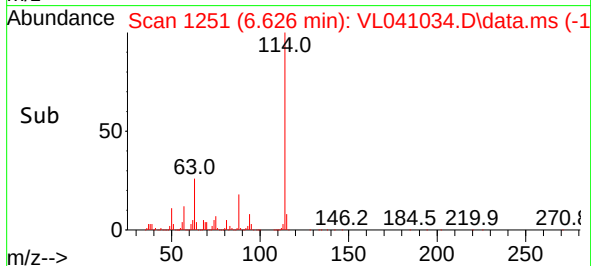
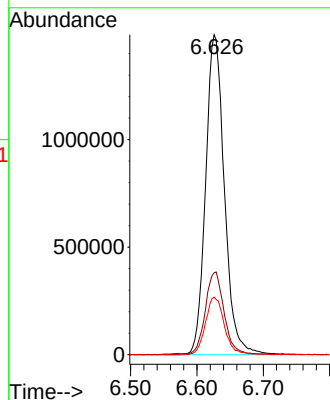
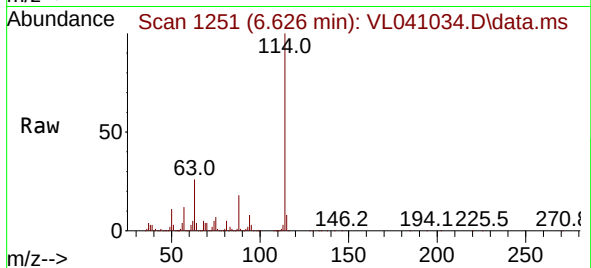
88 18.2 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#34

2-Butanone

Concen: 10.171 ppbv

RT: 4.758 min Scan# 670

Delta R.T. 0.000 min

Lab File: VL041034.D

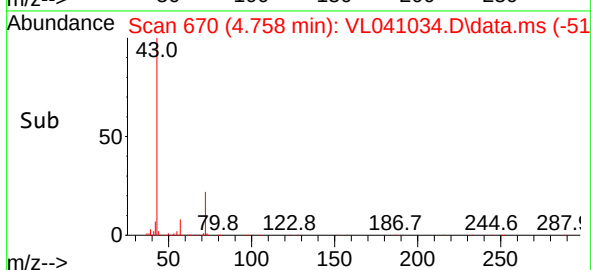
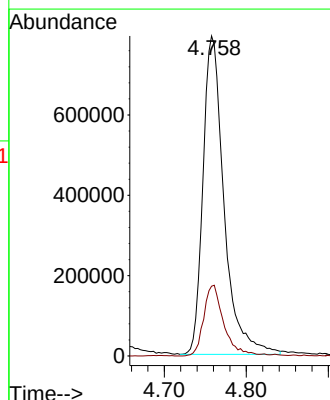
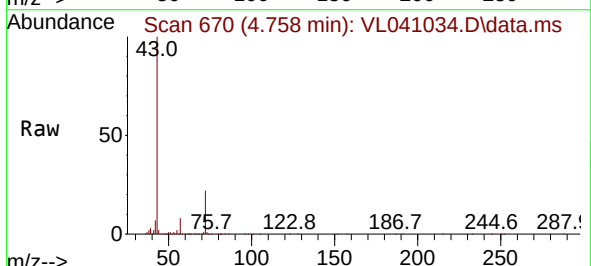
Acq: 7 Feb 2024 10:28

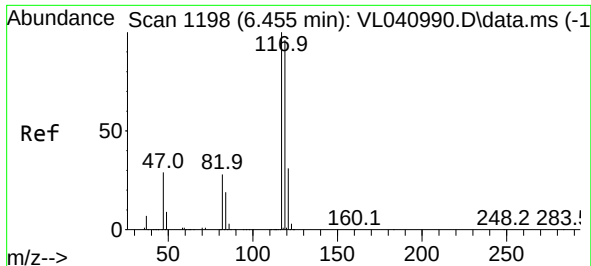
Tgt Ion: 43 Resp: 1415224

Ion Ratio Lower Upper

43 100

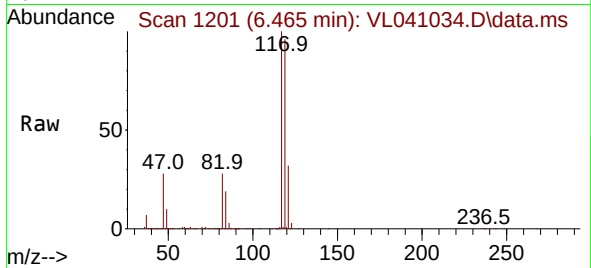
72 21.8 17.5 26.3





#35
Carbon Tetrachloride
Concen: 10.491 ppbv
RT: 6.465 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

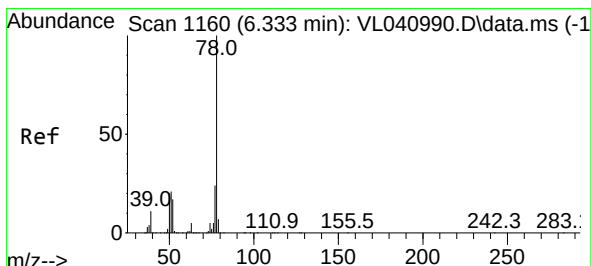
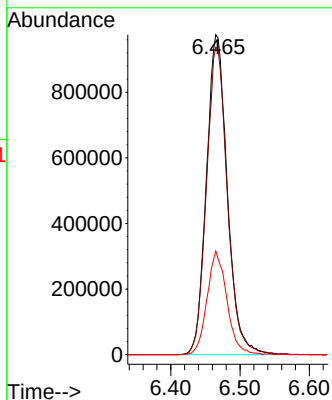
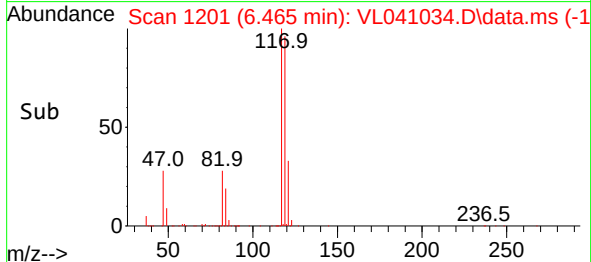
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



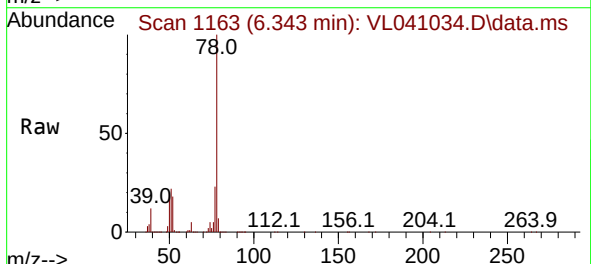
Tgt Ion: 117 Resp: 204313
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
121 32.4 24.7 37.1

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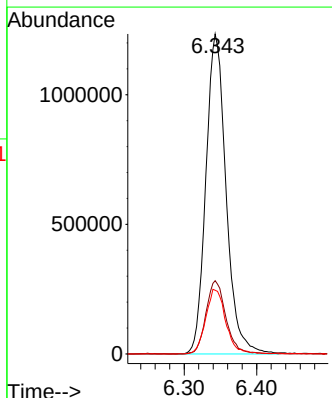
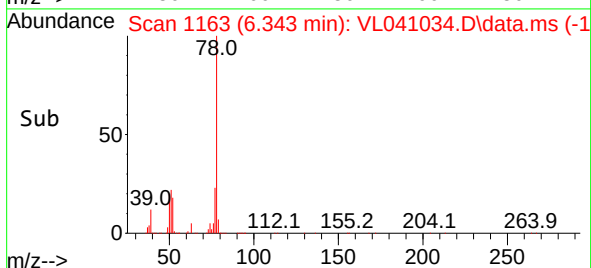
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

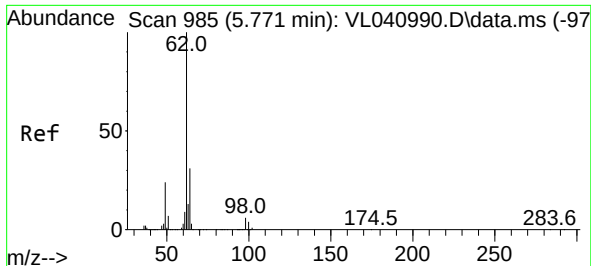


#36
Benzene
Concen: 9.904 ppbv
RT: 6.343 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



Tgt Ion: 78 Resp: 2388991
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.4
50 19.9 15.8 23.6





#37

1,2-Dichloroethane

Concen: 9.788 ppbv

RT: 5.780 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 144084

Ion Ratio Lower Upper

62 100

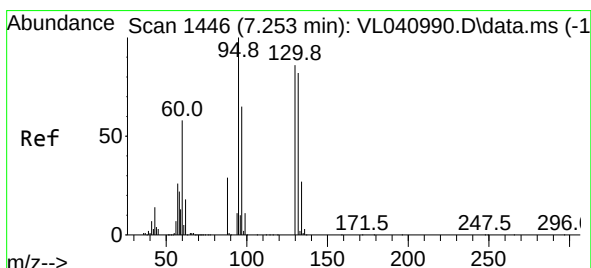
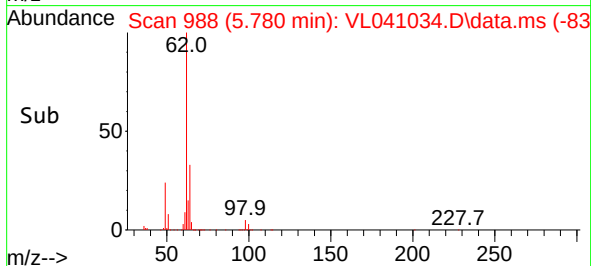
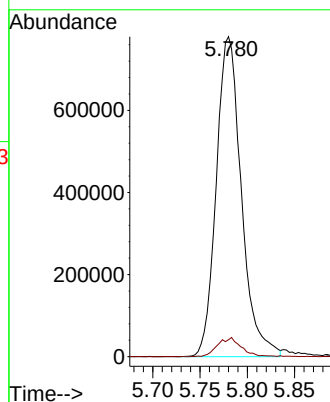
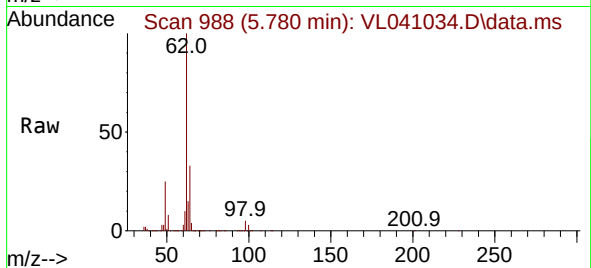
98 5.9 4.7 7.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#38

Trichloroethene

Concen: 9.756 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Tgt Ion:130 Resp: 943423

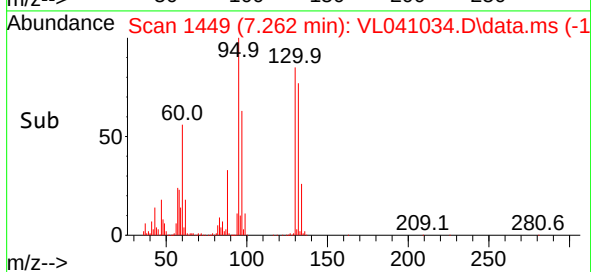
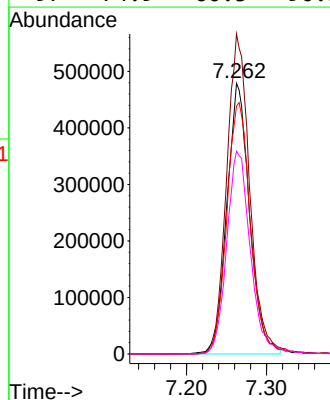
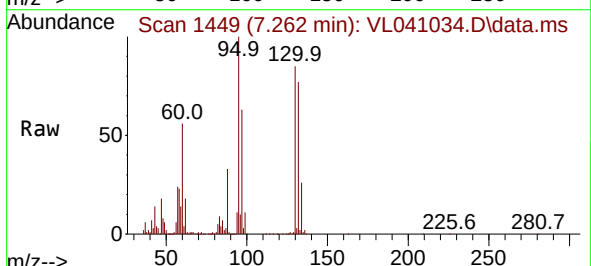
Ion Ratio Lower Upper

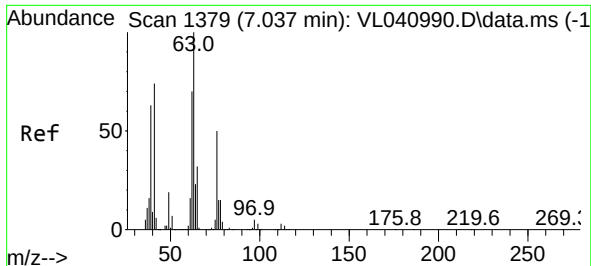
130 100

95 118.2 92.9 139.3

132 91.6 76.2 114.2

97 74.9 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.790 ppbv

RT: 7.047 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 930230

Ion Ratio Lower Upper

63 100

41 74.1 59.6 89.4

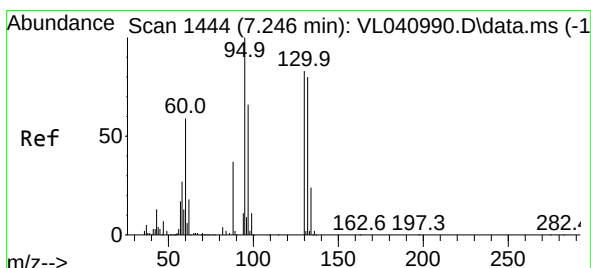
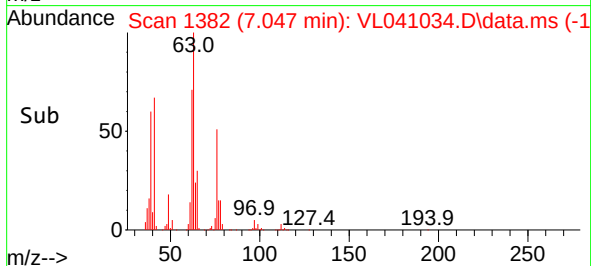
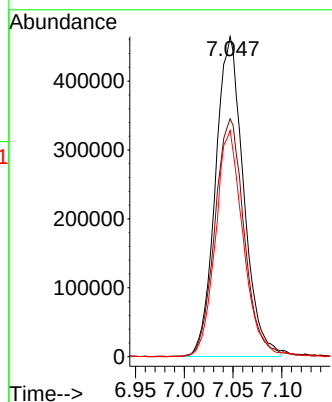
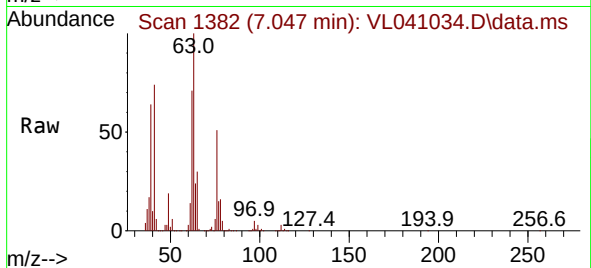
62 70.7 55.6 83.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#40

1,4-Dioxane

Concen: 9.770 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Tgt Ion: 88 Resp: 385591

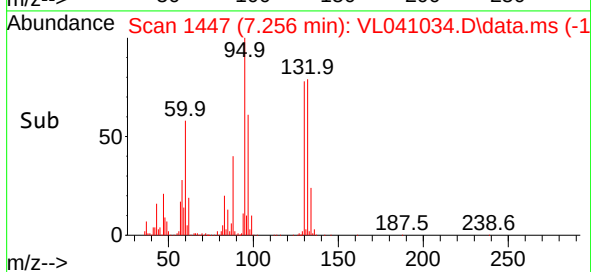
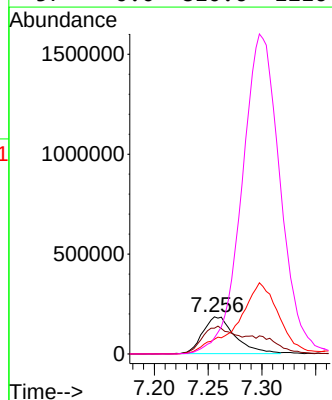
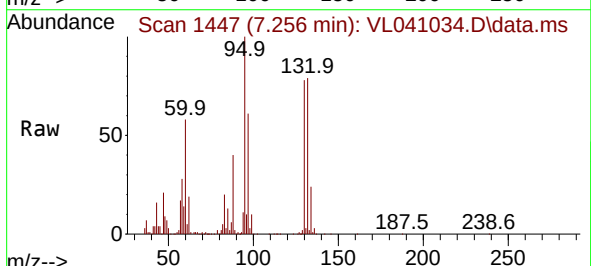
Ion Ratio Lower Upper

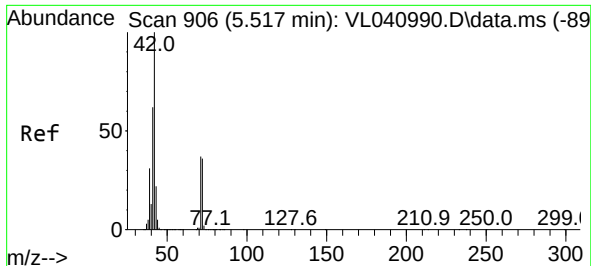
88 100

58 124.9 96.6 144.8

43 0.0 191.0 286.6#

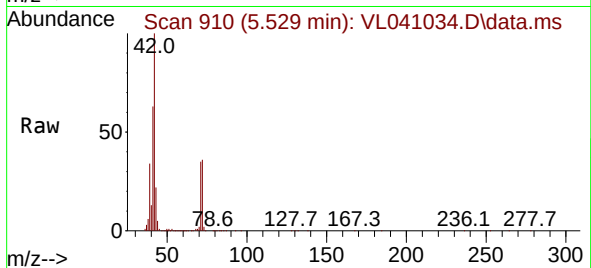
57 0.0 810.6 1216.0#





#41
Tetrahydrofuran
Concen: 9.911 ppbv
RT: 5.529 min Scan# 910
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

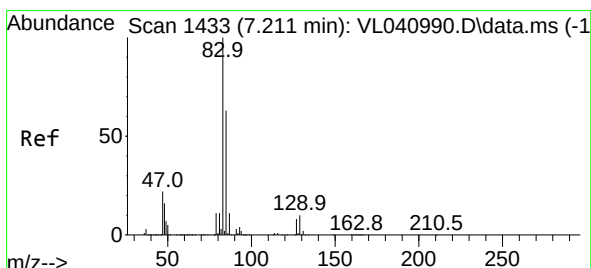
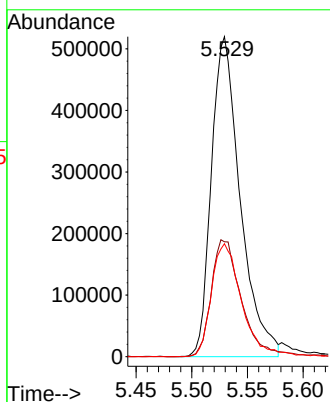
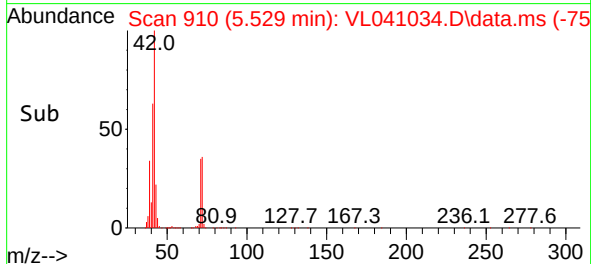
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 93636
Ion Ratio Lower Upper
42 100
72 38.8 30.0 45.0
71 37.1 29.5 44.3

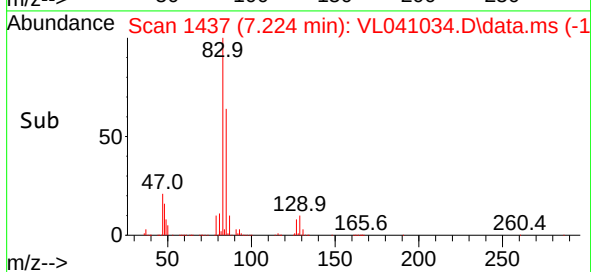
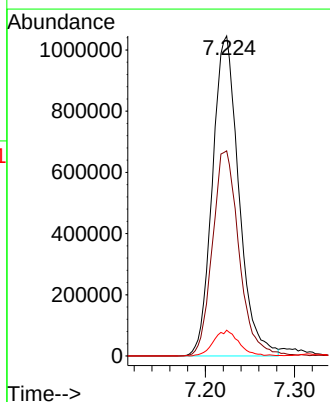
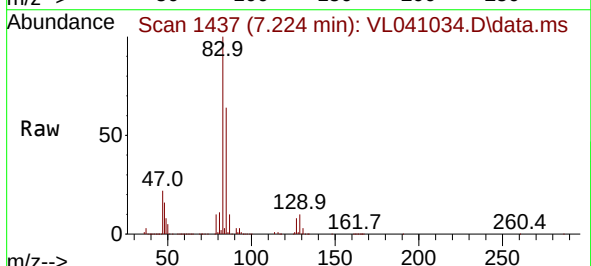
Manual Integrations
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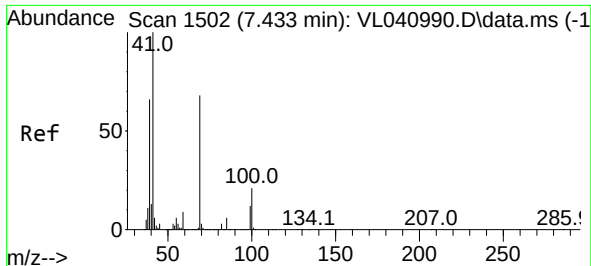
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#42
Bromodichloromethane
Concen: 10.223 ppbv
RT: 7.224 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

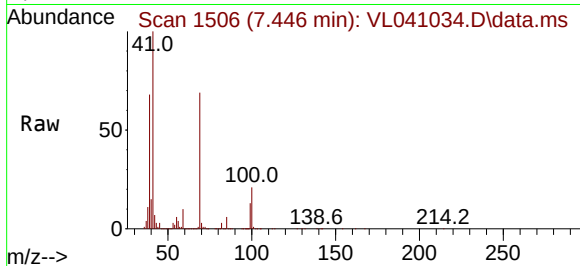
Tgt Ion: 83 Resp: 2153095
Ion Ratio Lower Upper
83 100
85 64.1 50.5 75.7
127 8.1 6.4 9.6





#43
Methyl Methacrylate
Concen: 10.695 ppbv
RT: 7.446 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

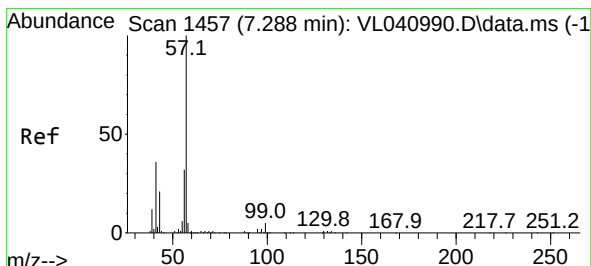
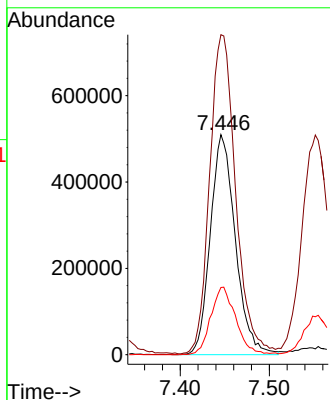
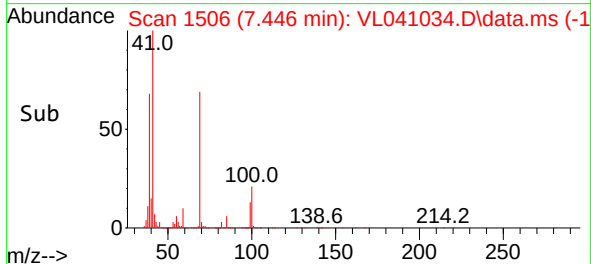
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 69 Resp: 995485
Ion Ratio Lower Upper
69 100
41 151.4 120.2 180.2
100 30.8 24.6 36.8

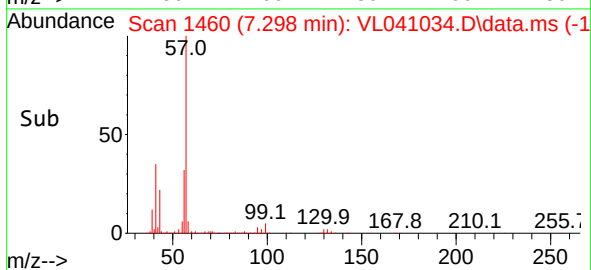
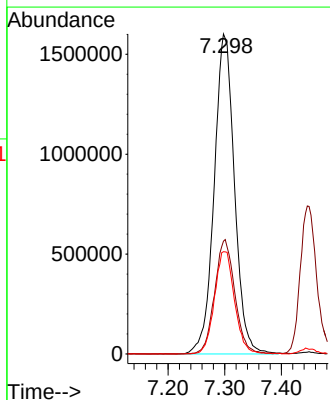
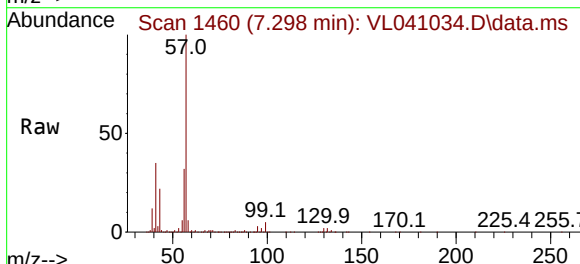
Manual Integrations
APPROVED

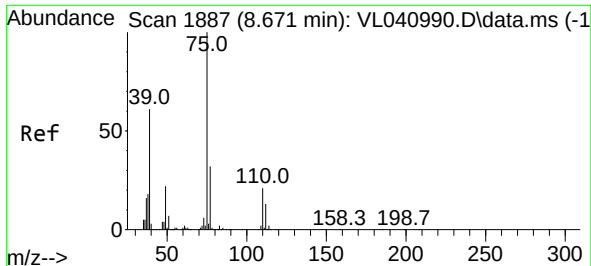
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#44
2,2,4-Trimethylpentane
Concen: 9.824 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

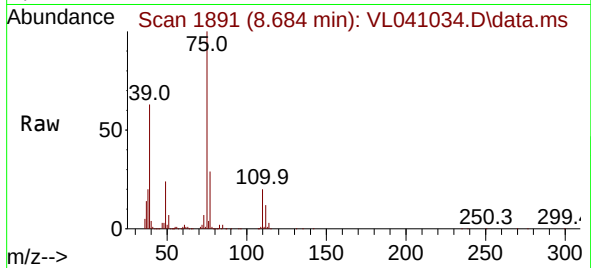
Tgt Ion: 57 Resp: 3987426
Ion Ratio Lower Upper
57 100
41 35.7 28.6 43.0
56 31.6 25.2 37.8





#45
t-1,3-Dichloropropene
Concen: 12.223 ppbv
RT: 8.684 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

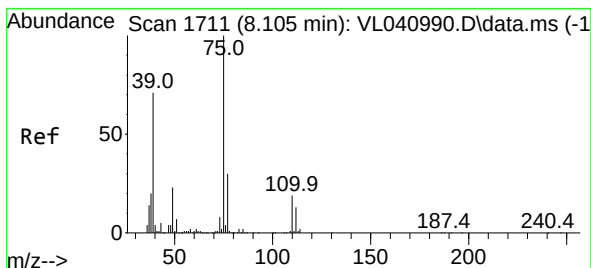
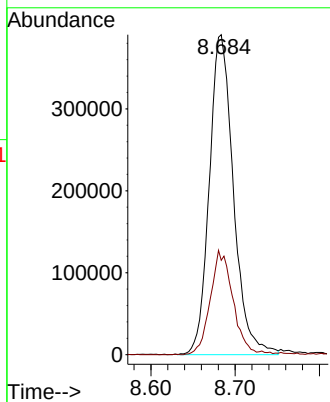
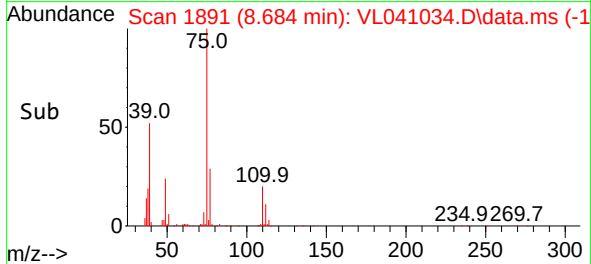
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 75 Resp: 777358
Ion Ratio Lower Upper
75 100
77 29.5 25.3 37.9

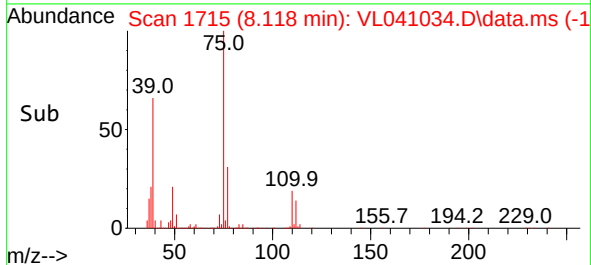
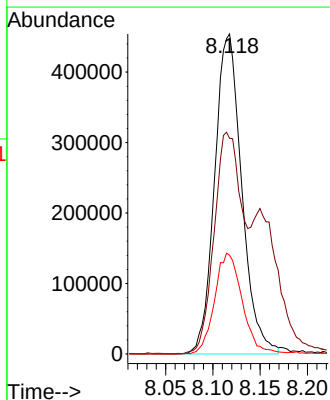
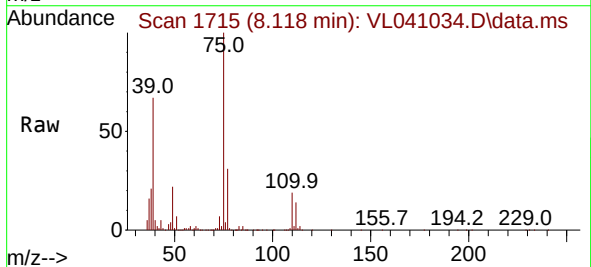
Manual Integrations
APPROVED

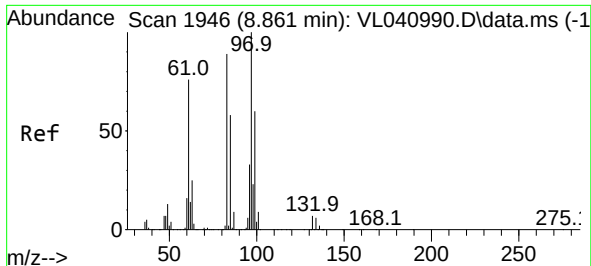
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#46
cis-1,3-Dichloropropene
Concen: 11.416 ppbv
RT: 8.118 min Scan# 1715
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion: 75 Resp: 905395
Ion Ratio Lower Upper
75 100
39 67.2 57.3 85.9
77 30.9 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 10.042 ppbv

RT: 8.870 min Scan# 1946

Delta R.T. 0.000 min

Lab File: VL041034.D

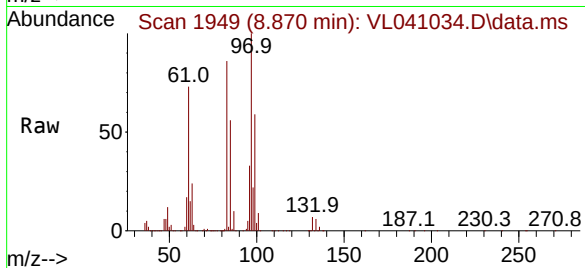
Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 97 Resp: 102848

Ion Ratio Lower Upper

97 100

83 86.0 71.5 107.3

85 55.8 46.1 69.1

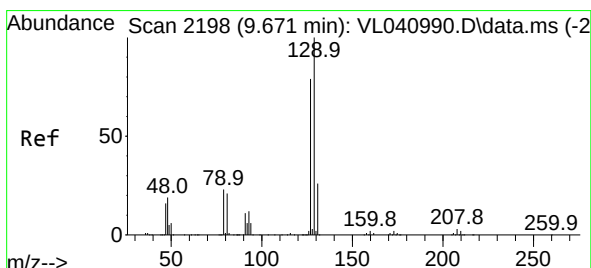
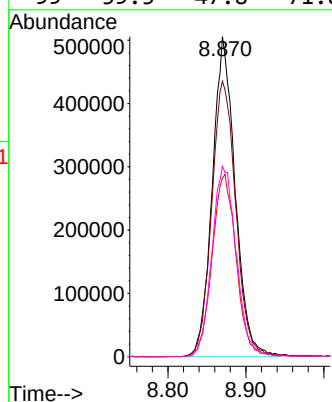
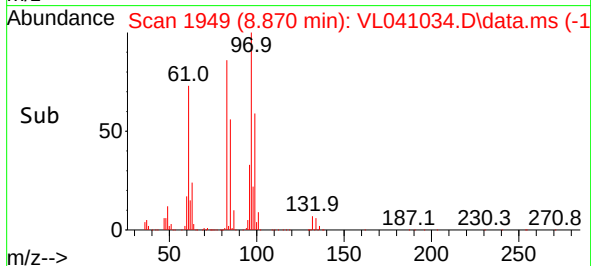
99 59.5 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#48

Dibromochloromethane

Concen: 10.558 ppbv

RT: 9.683 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VL041034.D

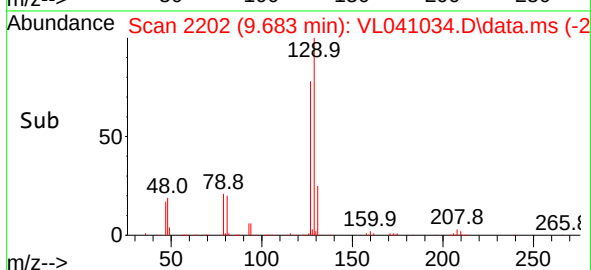
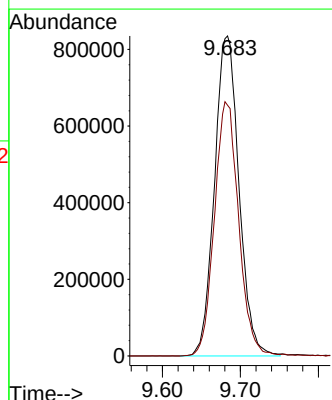
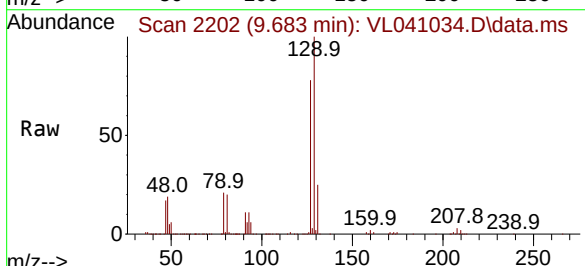
Acq: 7 Feb 2024 10:28

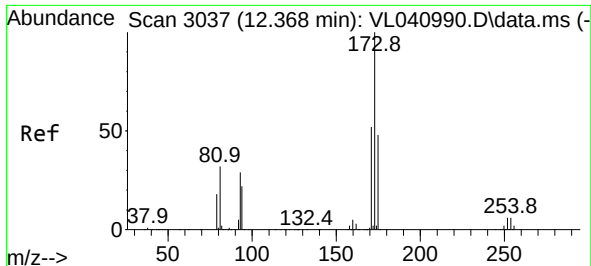
Tgt Ion:129 Resp: 1828116

Ion Ratio Lower Upper

129 100

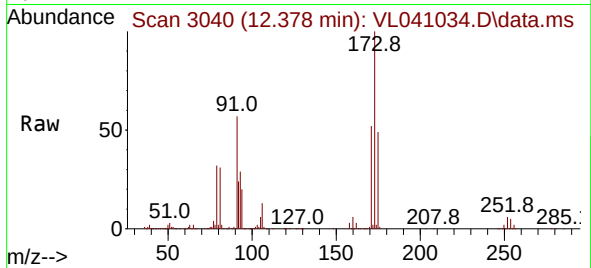
127 78.8 39.6 119.0





#49
Bromoform
Concen: 11.439 ppbv
RT: 12.378 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

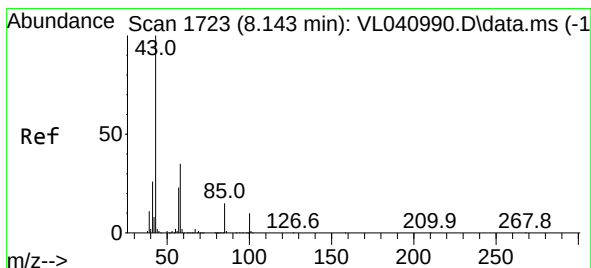
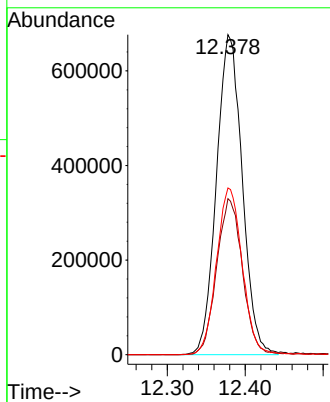
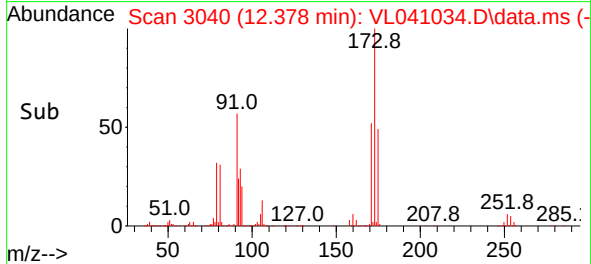
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



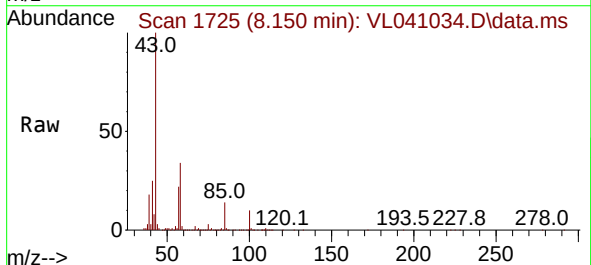
Tgt Ion:173 Resp: 1553709
Ion Ratio Lower Upper
173 100
175 49.0 39.0 58.4
171 52.2 42.0 63.0

Manual Integrations
APPROVED

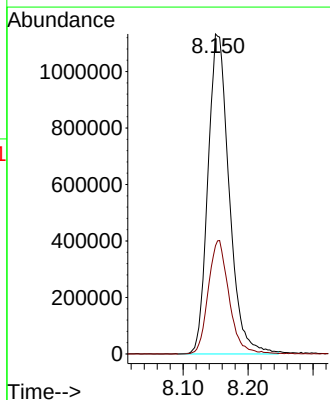
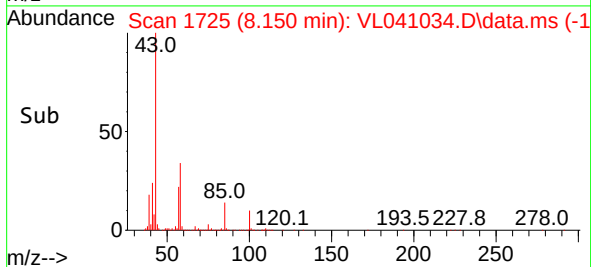
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

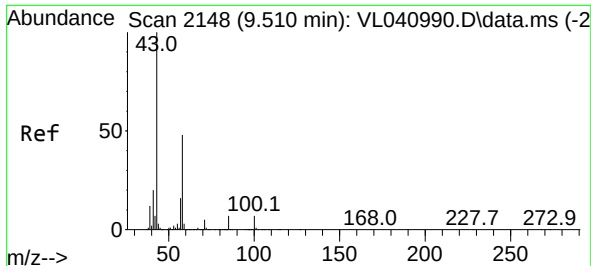


#50
4-Methyl-2-Pentanone
Concen: 10.483 ppbv
RT: 8.150 min Scan# 1725
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



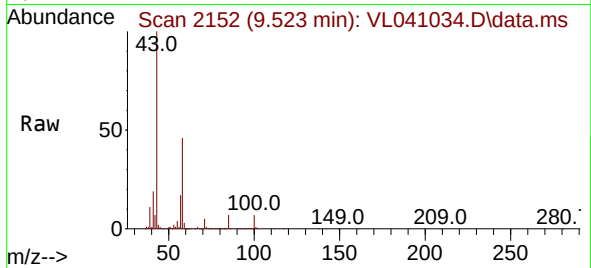
Tgt Ion: 43 Resp: 2568846
Ion Ratio Lower Upper
43 100
58 34.9 27.8 41.8





#51
2-Hexanone
Concen: 10.619 ppbv
RT: 9.523 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

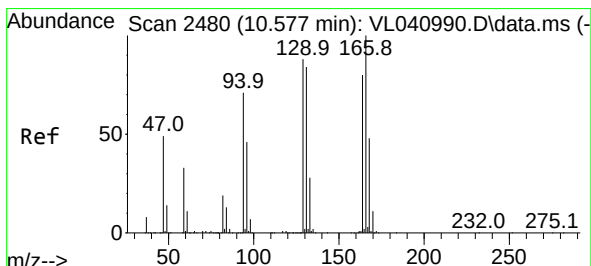
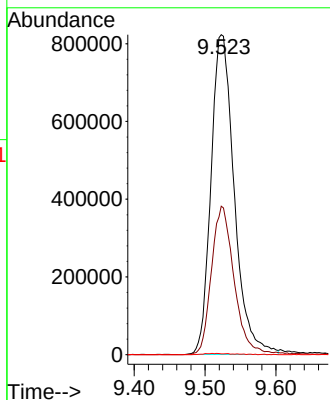
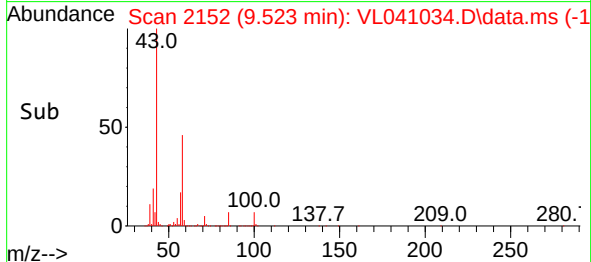
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 1875560
Ion Ratio Lower Upper
43 100
58 45.8 36.8 55.2
98 0.5 0.3 0.5

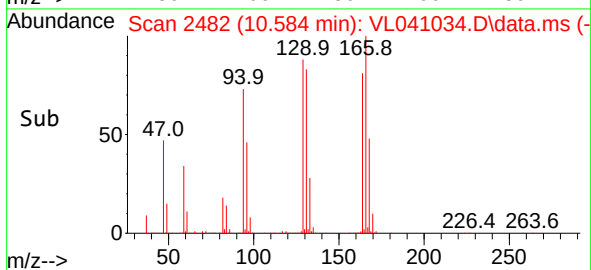
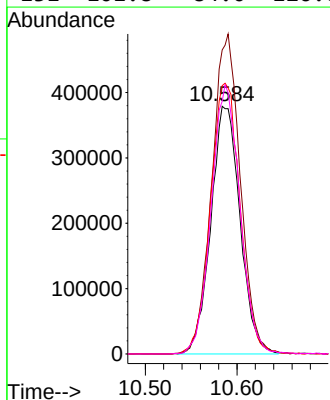
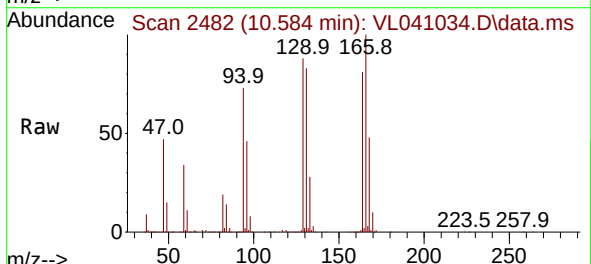
Manual Integrations
APPROVED

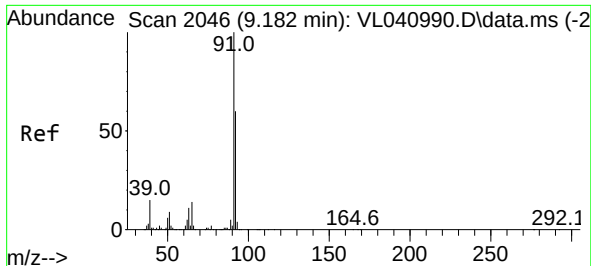
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#52
Tetrachloroethene
Concen: 10.442 ppbv
RT: 10.584 min Scan# 2482
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion:164 Resp: 836398
Ion Ratio Lower Upper
164 100
166 122.5 100.2 150.2
129 108.0 87.9 131.9
131 101.8 84.0 126.0





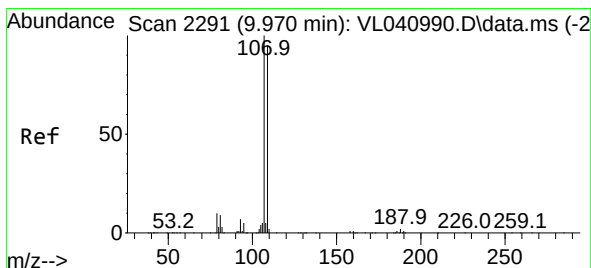
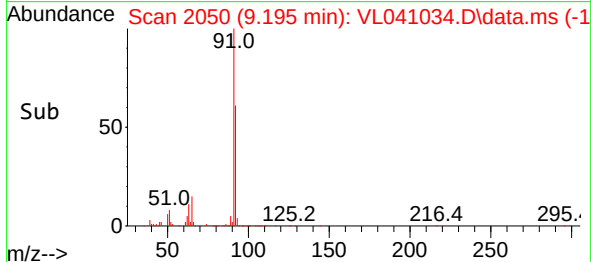
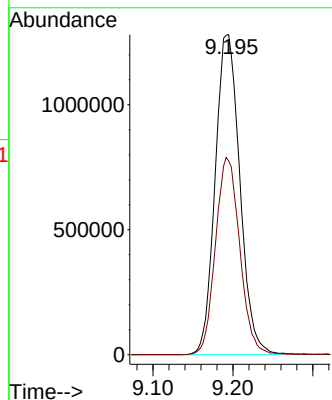
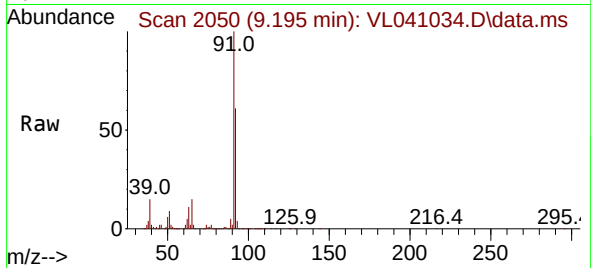
#53
Toluene
Concen: 10.392 ppbv
RT: 9.195 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2745990
Ion Ratio Lower Upper
91 100
92 60.7 48.6 72.8

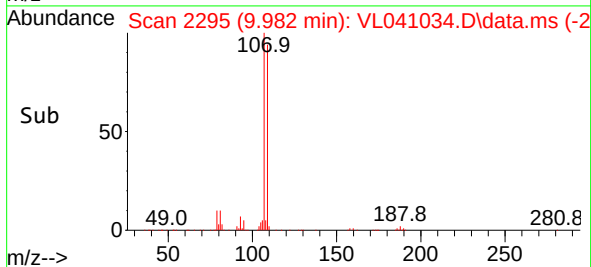
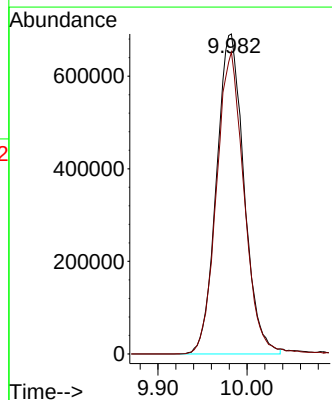
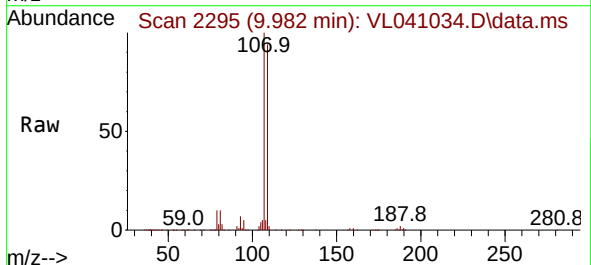
Manual Integrations
APPROVED

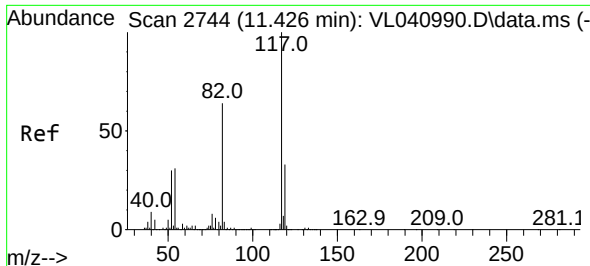
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#54
1,2-Dibromoethane
Concen: 10.679 ppbv
RT: 9.982 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

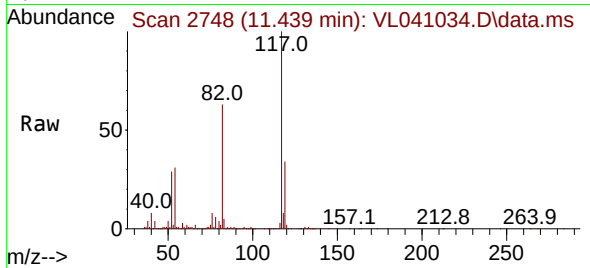
Tgt Ion:107 Resp: 1481298
Ion Ratio Lower Upper
107 100
109 94.3 76.1 114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

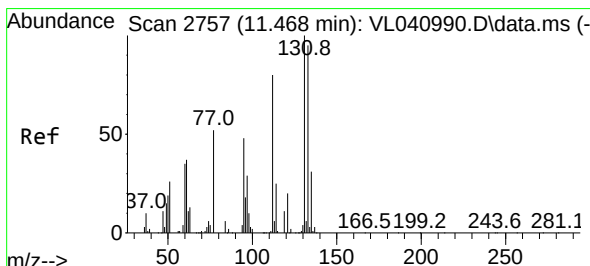
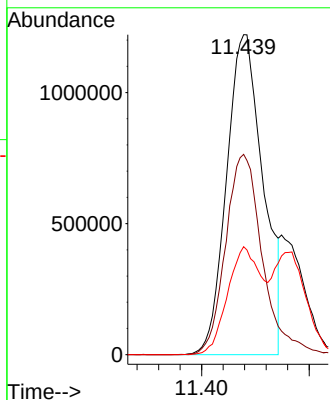
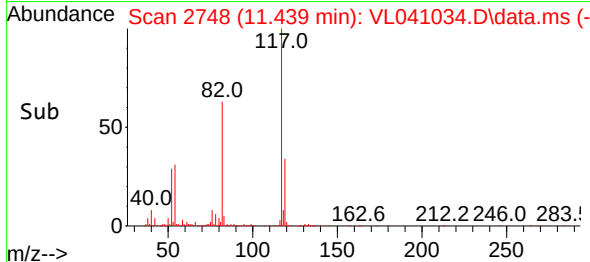
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



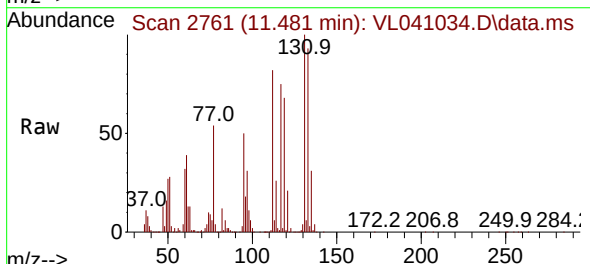
Tgt Ion:117 Resp: 288227
Ion Ratio Lower Upper
117 100
82 63.5 51.7 77.5
119 29.8 23.8 35.6

Manual Integrations
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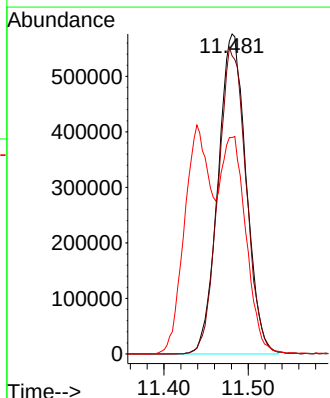
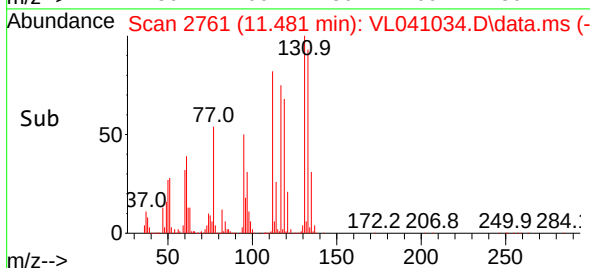
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

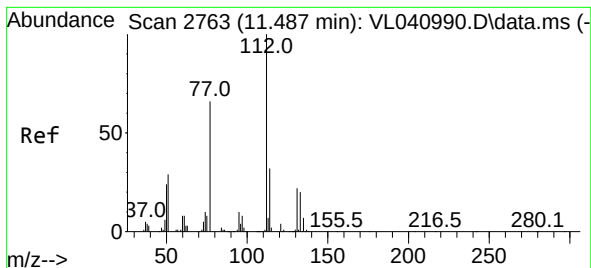


#56
1,1,1,2-Tetrachloroethane
Concen: 9.633 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



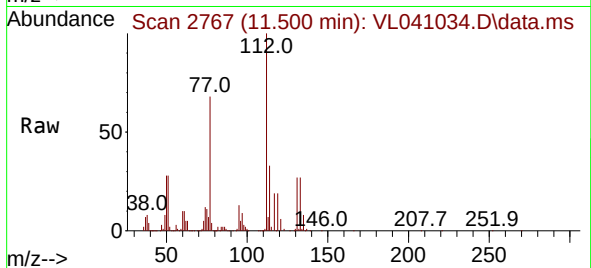
Tgt Ion:131 Resp: 1332200
Ion Ratio Lower Upper
131 100
133 96.0 75.9 113.9
119 62.2 49.2 73.8





#57
Chlorobenzene
Concen: 9.375 ppbv
RT: 11.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

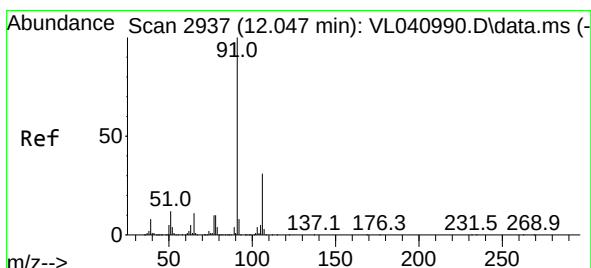
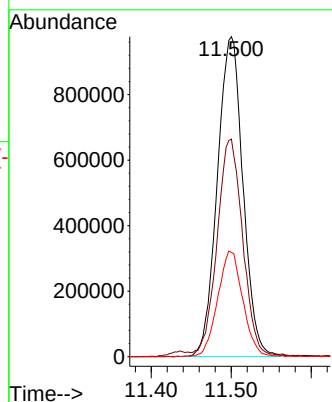
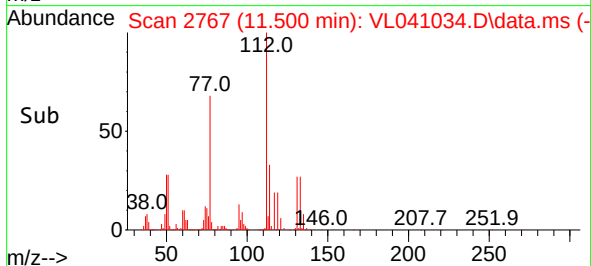
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 217346
Ion Ratio Lower Upper
112 100
77 67.6 53.4 80.0
114 32.5 29.1 35.5

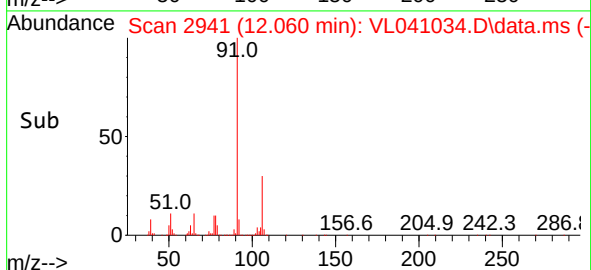
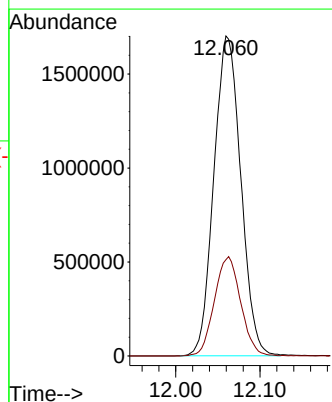
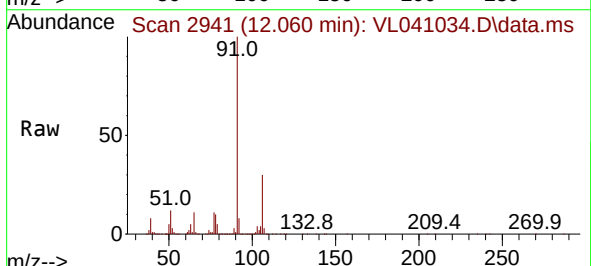
Manual Integrations
APPROVED

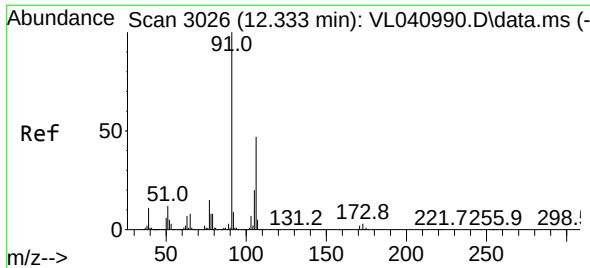
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#58
Ethyl Benzene
Concen: 9.747 ppbv
RT: 12.060 min Scan# 2941
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion: 91 Resp: 3772636
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2





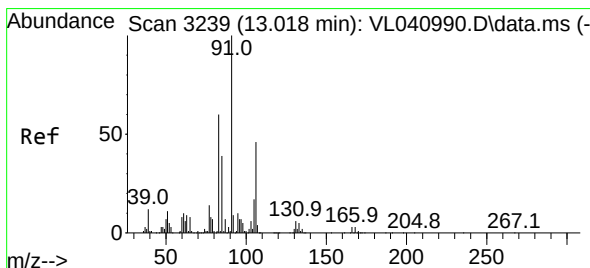
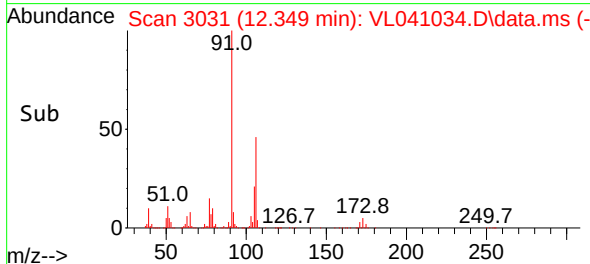
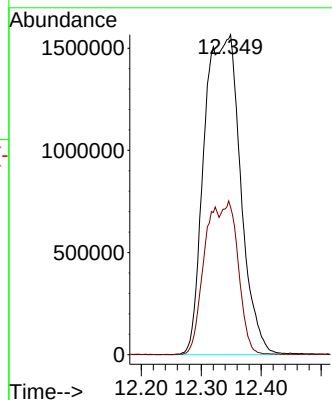
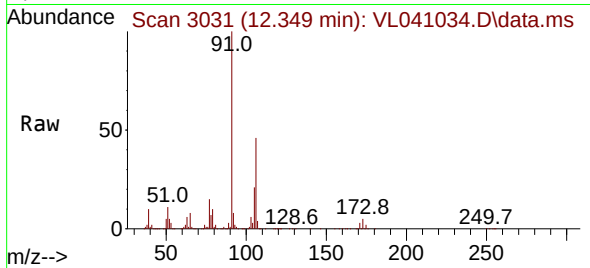
#59
m/p-Xylene
Concen: 19.396 ppbv m
RT: 12.349 min Scan# 3026
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 654529
Ion Ratio Lower Upper
91 100
106 43.9 34.9 52.3

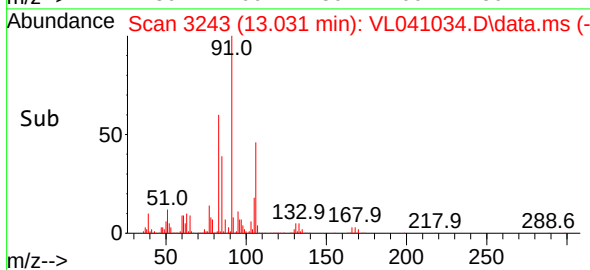
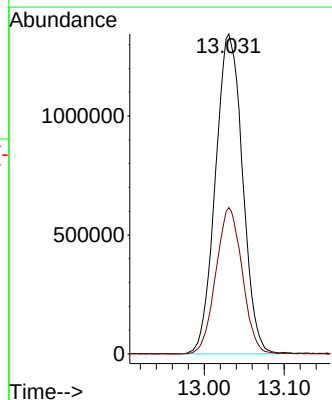
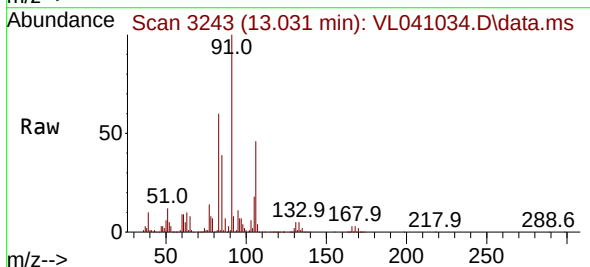
Manual Integrations
APPROVED

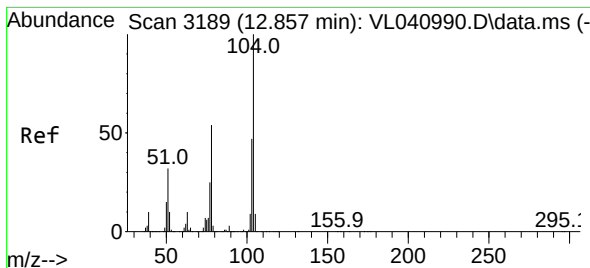
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#60
o-Xylene
Concen: 9.763 ppbv
RT: 13.031 min Scan# 3243
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion: 91 Resp: 3161157
Ion Ratio Lower Upper
91 100
106 44.7 22.6 67.7





#61

Styrene

Concen: 10.847 ppbv

RT: 12.870 min Scan# 3189

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 161255

Ion Ratio Lower Upper

104 100

78 52.9 42.7 64.1

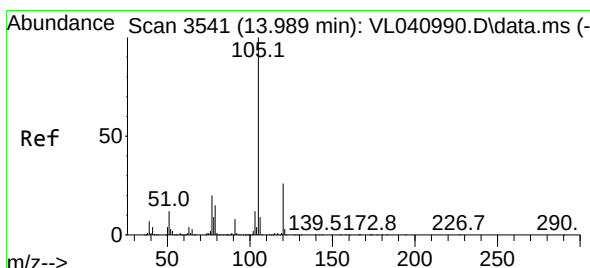
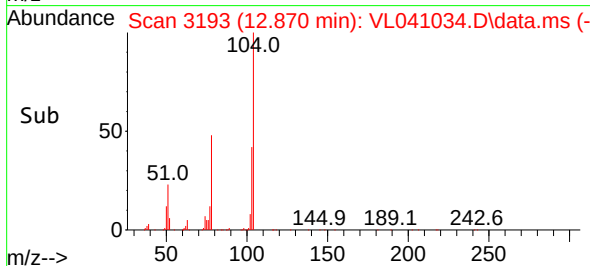
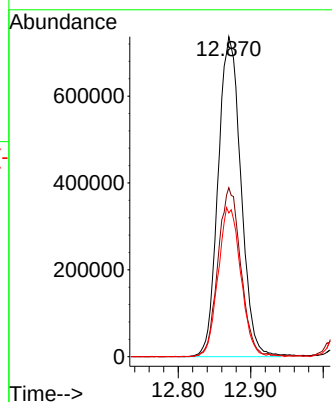
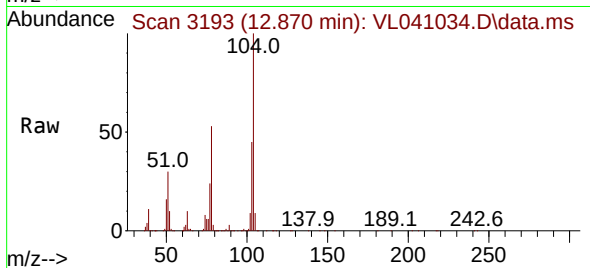
103 46.6 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#62

Isopropylbenzene

Concen: 9.535 ppbv

RT: 14.002 min Scan# 3545

Delta R.T. 0.000 min

Lab File: VL041034.D

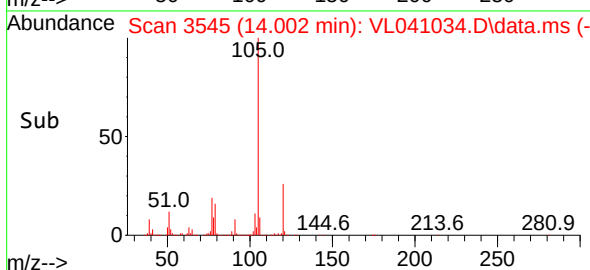
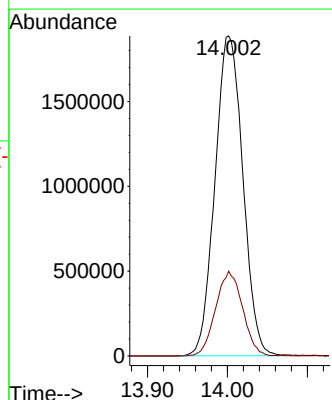
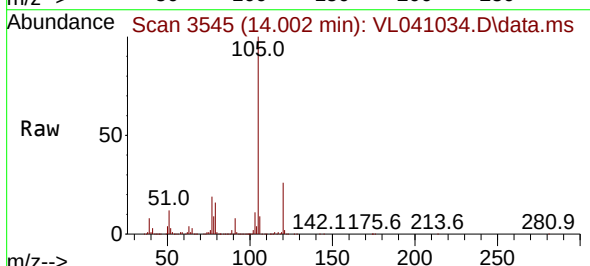
Acq: 7 Feb 2024 10:28

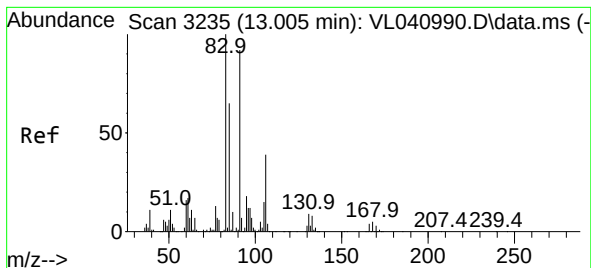
Tgt Ion:105 Resp: 4565425

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3





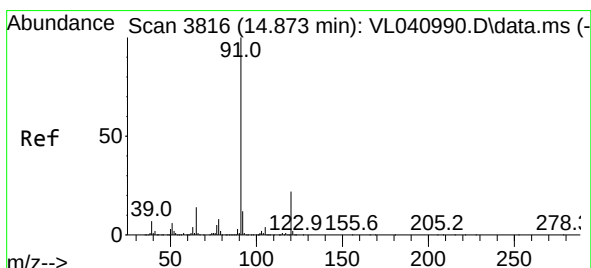
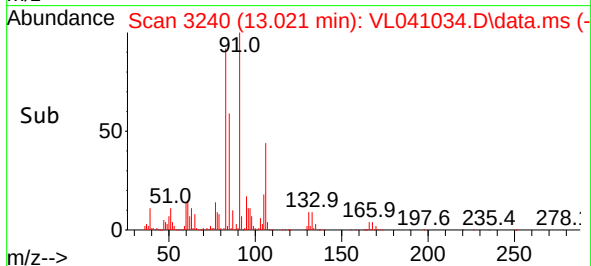
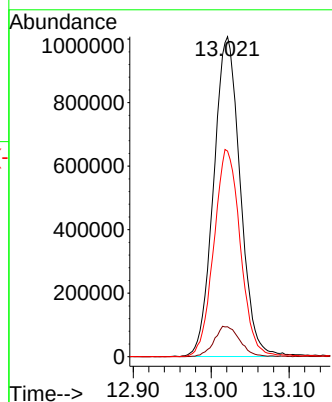
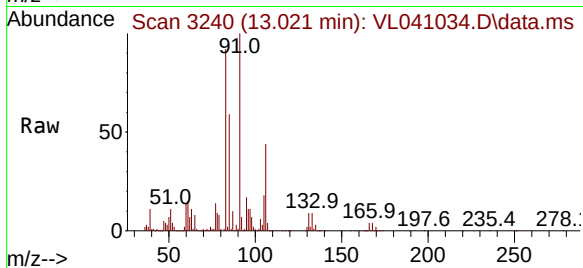
#63
1,1,2,2-Tetrachloroethane
Concen: 9.469 ppbv
RT: 13.021 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 238268
Ion Ratio Lower Upper
83 100
131 9.3 4.6 13.8
85 65.4 33.0 99.0

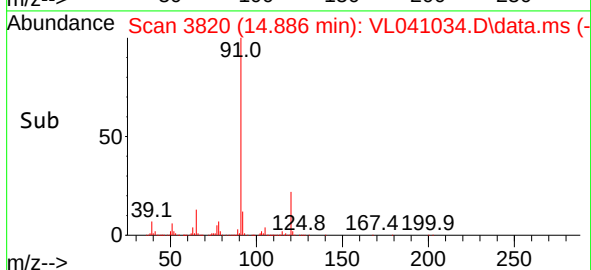
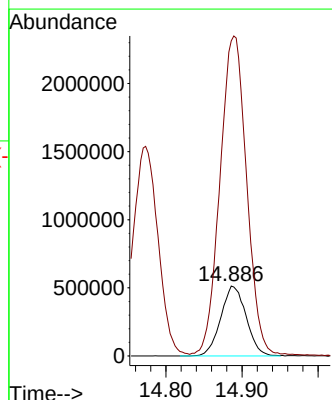
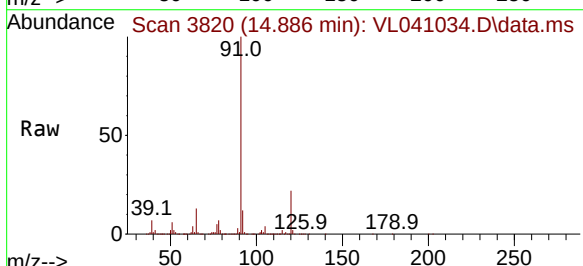
Manual Integrations
APPROVED

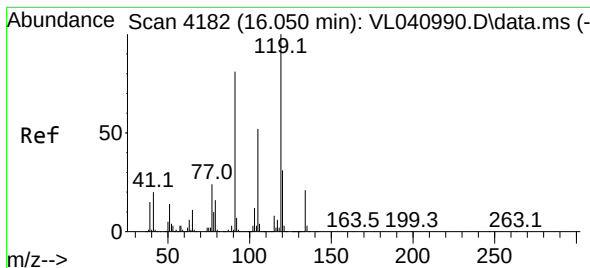
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#64
n-propylbenzene
Concen: 9.847 ppbv
RT: 14.886 min Scan# 3820
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion:120 Resp: 1191225
Ion Ratio Lower Upper
120 100
91 483.0 390.6 585.8





#65

tert-Butylbenzene

Concen: 9.680 ppbv

RT: 16.063 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:119 Resp: 4049500

Ion Ratio Lower Upper

119 100

91 84.2 67.6 101.4

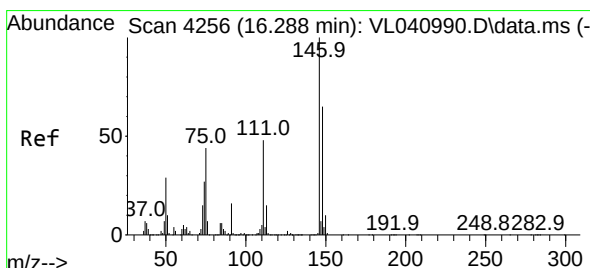
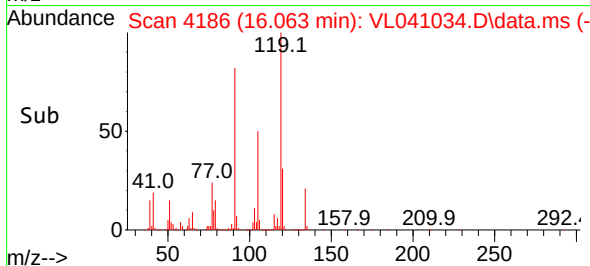
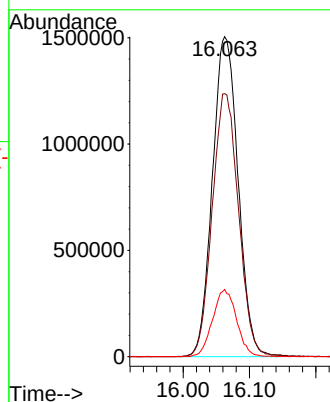
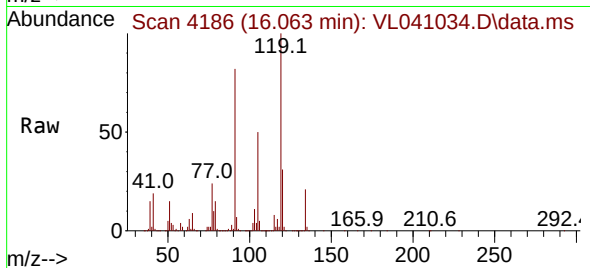
134 19.6 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#66

Benzyl Chloride

Concen: 10.860 ppbv

RT: 16.301 min Scan# 4260

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

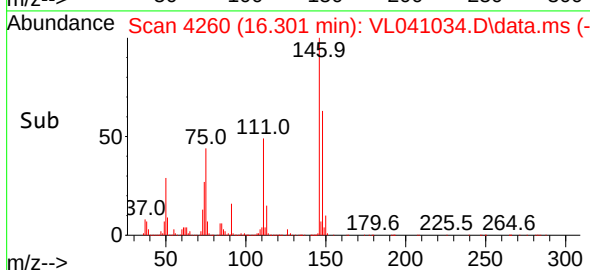
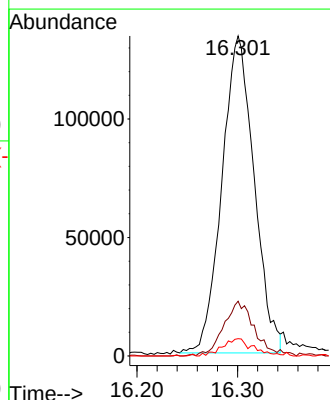
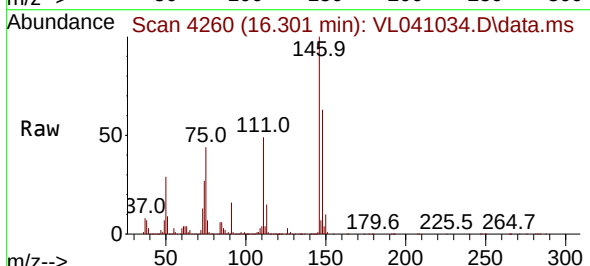
Tgt Ion: 91 Resp: 297726

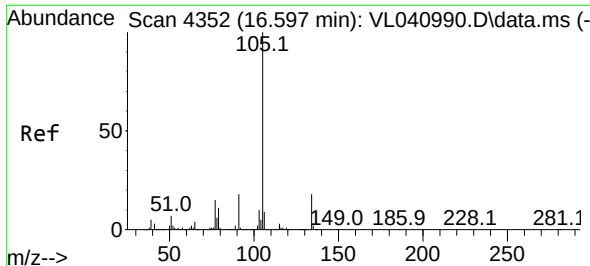
Ion Ratio Lower Upper

91 100

126 17.0 13.6 20.4

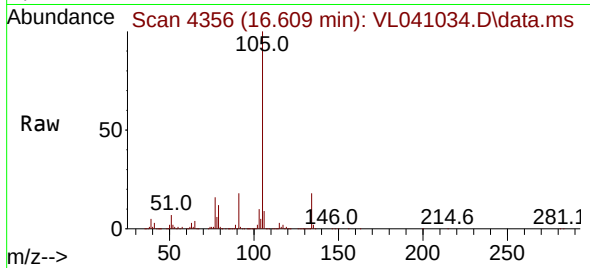
128 5.4 4.2 6.2





#67
 sec-Butylbenzene
 Concen: 9.415 ppbv
 RT: 16.609 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

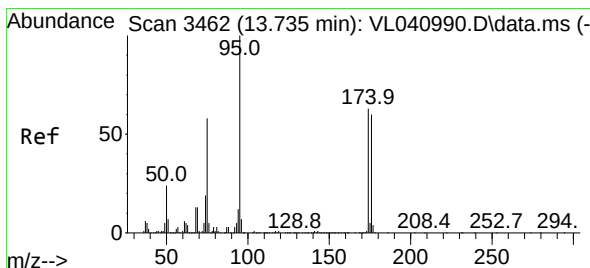
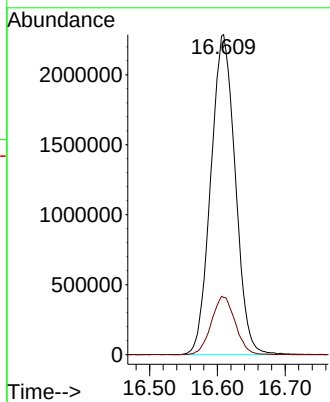
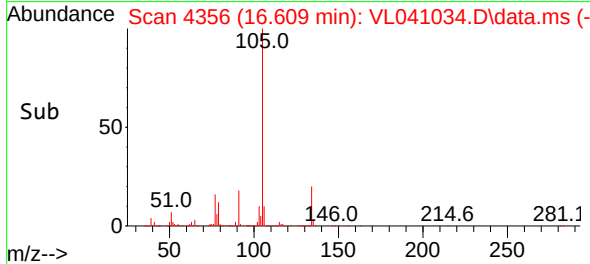
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 573516
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4

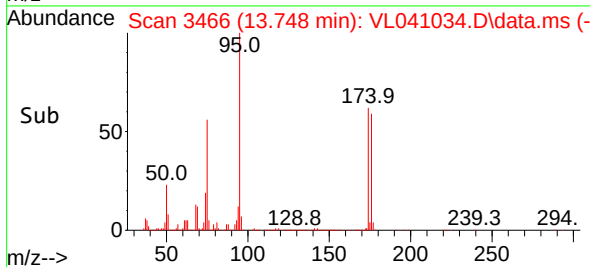
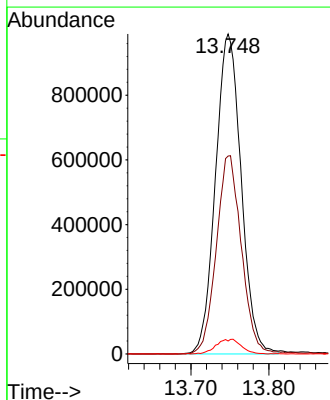
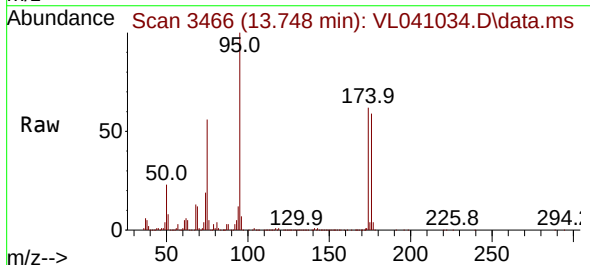
Manual Integrations
 APPROVED

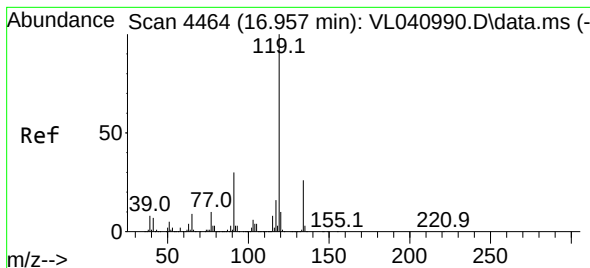
Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.416 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL041034.D
 Acq: 7 Feb 2024 10:28

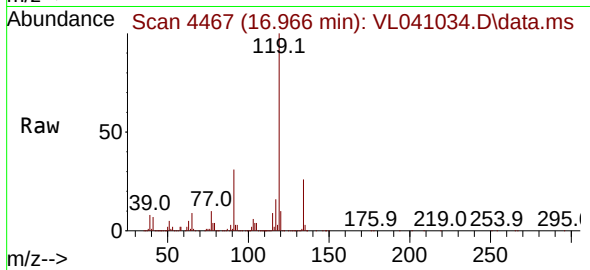
Tgt Ion: 95 Resp: 2267524
 Ion Ratio Lower Upper
 95 100
 174 61.1 49.1 73.7
 175 4.6 3.7 5.5





#69
p-Isopropyltoluene
Concen: 9.742 ppbv
RT: 16.966 min Scan# 4464
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

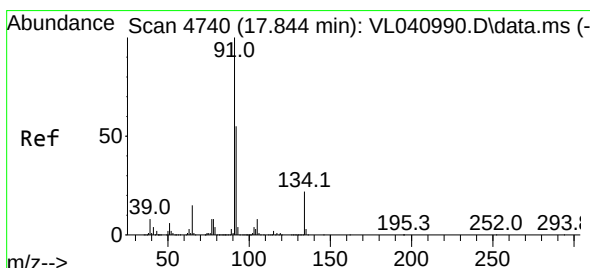
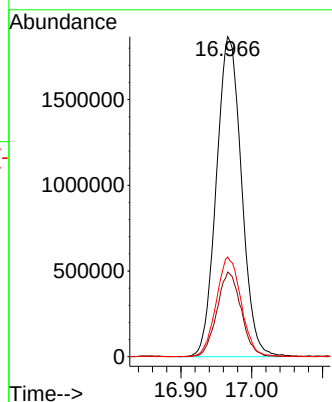
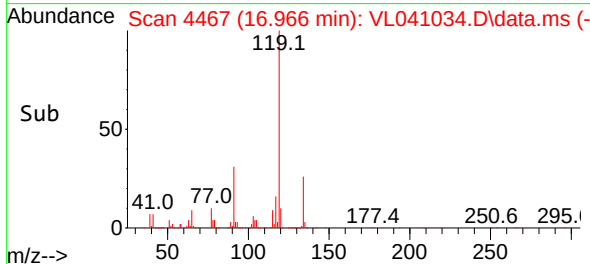
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



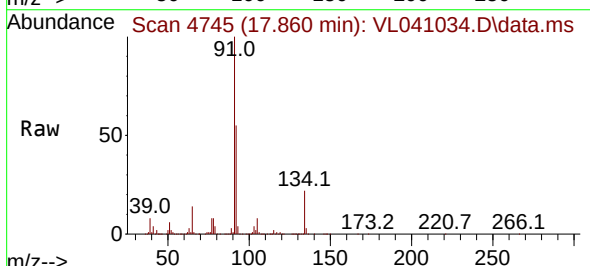
Tgt Ion:119 Resp: 4596990
Ion Ratio Lower Upper
119 100
134 25.6 20.6 30.8
91 30.9 24.5 36.7

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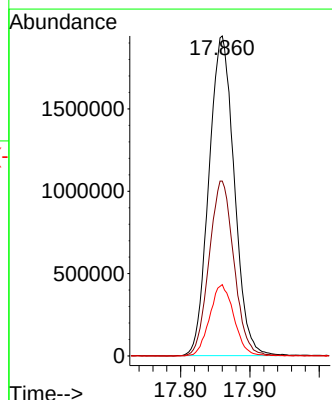
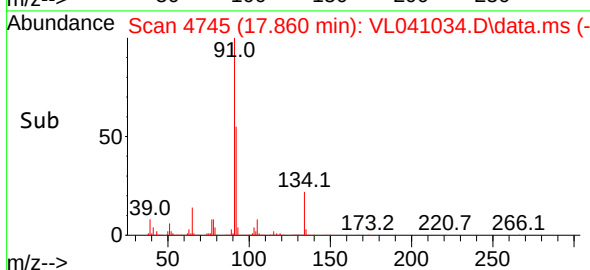
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

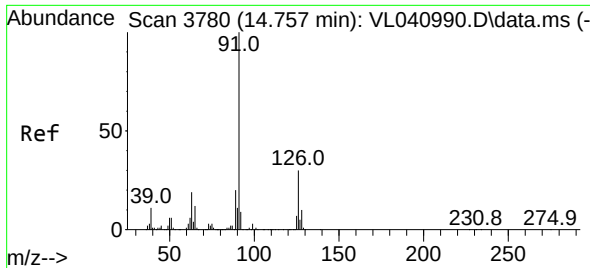


#70
n-Butylbenzene
Concen: 9.665 ppbv
RT: 17.860 min Scan# 4745
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28



Tgt Ion: 91 Resp: 4927918
Ion Ratio Lower Upper
91 100
92 54.0 43.4 65.0
134 21.5 17.4 26.0





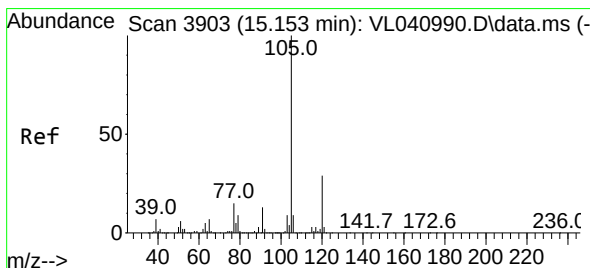
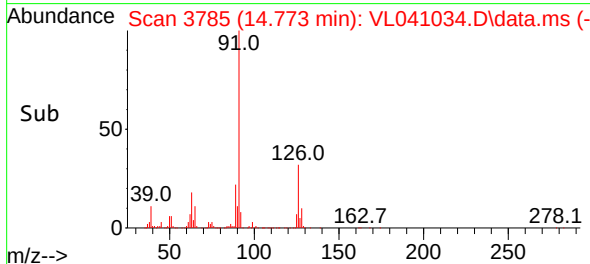
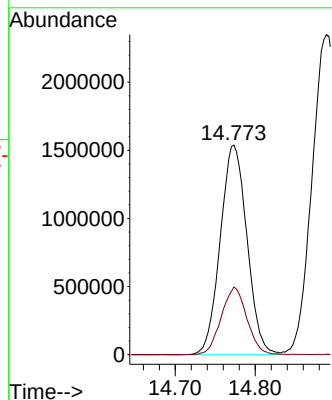
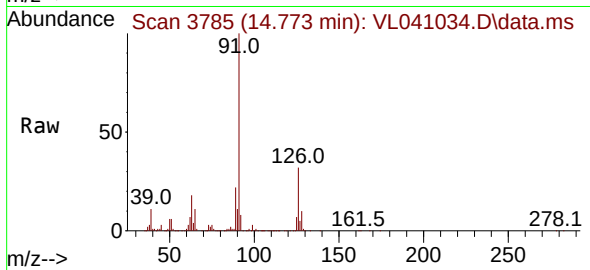
#71
2-Chlorotoluene
Concen: 9.657 ppbv
RT: 14.773 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3567710
Ion Ratio Lower Upper
91 100
126 30.9 12.3 49.1

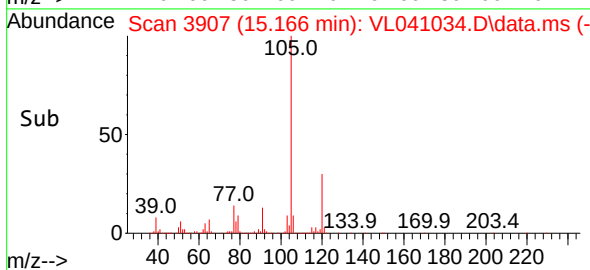
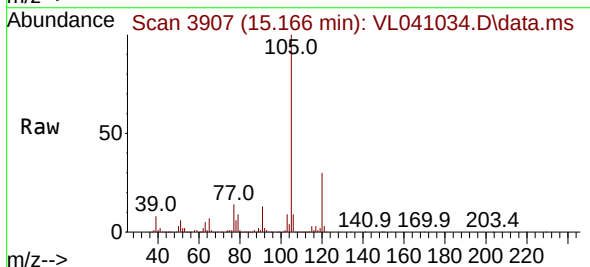
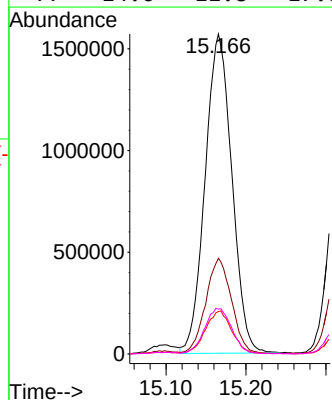
Manual Integrations
APPROVED

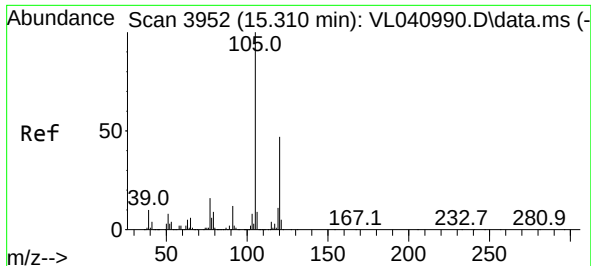
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#72
4-Ethyltoluene
Concen: 10.084 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

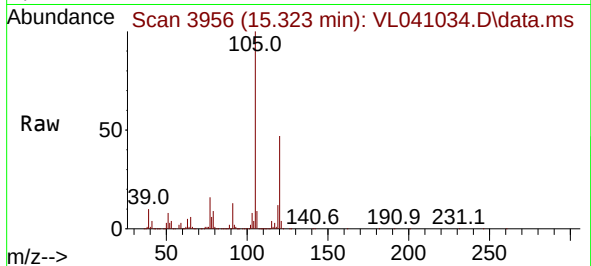
Tgt Ion:105 Resp: 3646501
Ion Ratio Lower Upper
105 100
120 29.3 24.3 36.5
91 13.8 11.0 16.4
77 14.6 11.8 17.8





#73
1,3,5-Trimethylbenzene
Concen: 9.782 ppbv
RT: 15.323 min Scan# 3952
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

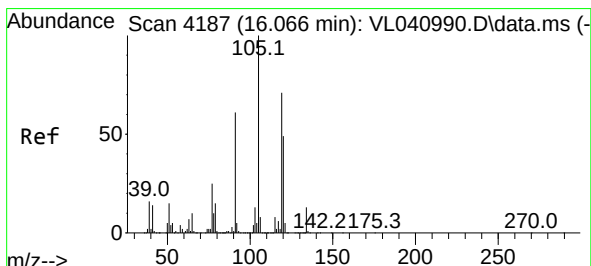
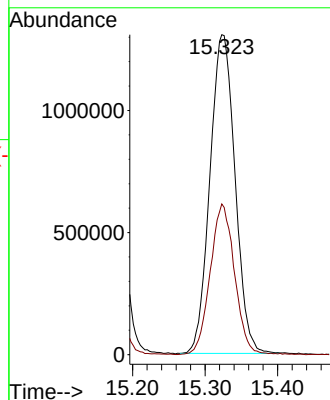
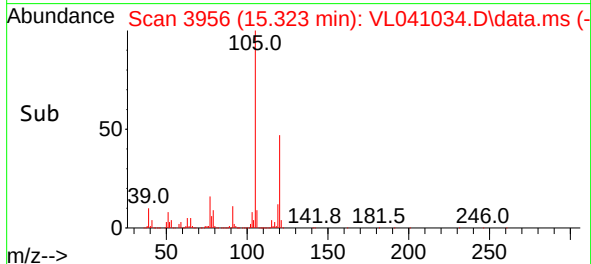
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:105 Resp: 313920
Ion Ratio Lower Upper
105 100
120 47.2 37.2 55.8

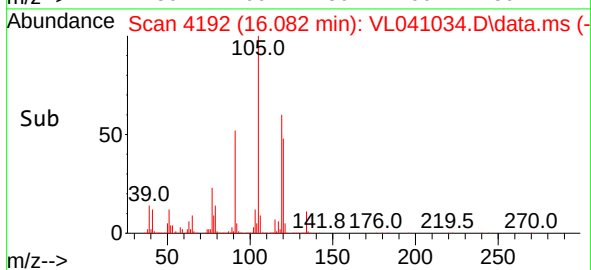
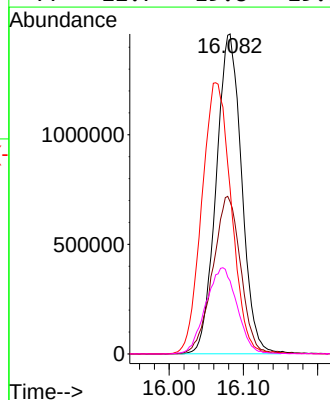
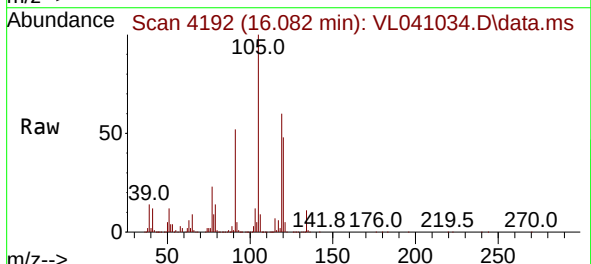
Manual Integrations
APPROVED

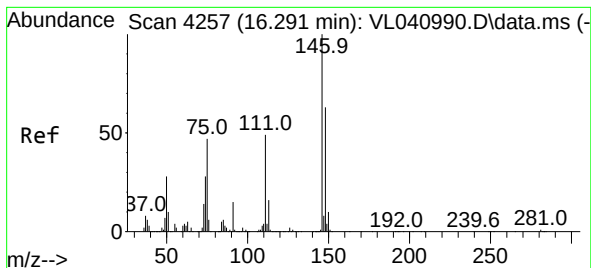
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#74
1,2,4-Trimethylbenzene
Concen: 9.549 ppbv
RT: 16.082 min Scan# 4192
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Tgt Ion:105 Resp: 3473852
Ion Ratio Lower Upper
105 100
120 47.4 39.3 58.9
91 51.3 48.7 73.1
77 22.7 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 9.734 ppbv

RT: 16.304 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 201540

Ion Ratio Lower Upper

146 100

111 48.2 24.4 73.2

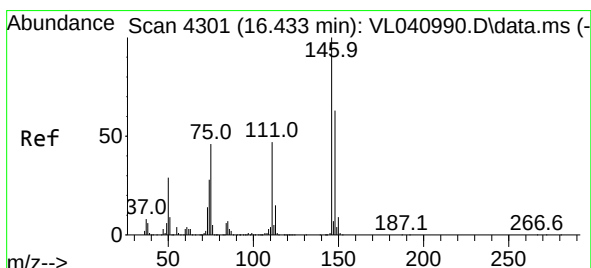
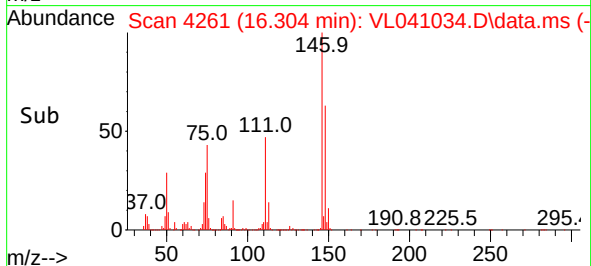
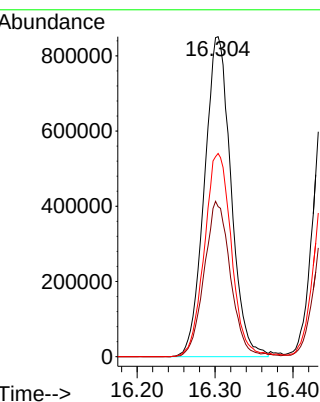
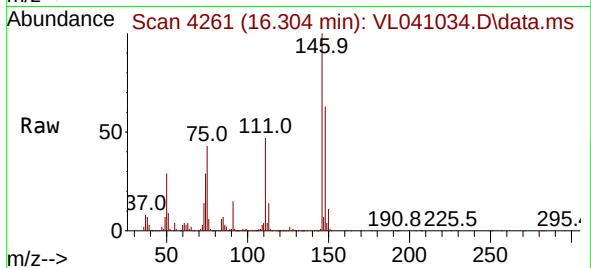
148 64.5 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#76

1,4-Dichlorobenzene

Concen: 9.613 ppbv

RT: 16.445 min Scan# 4305

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

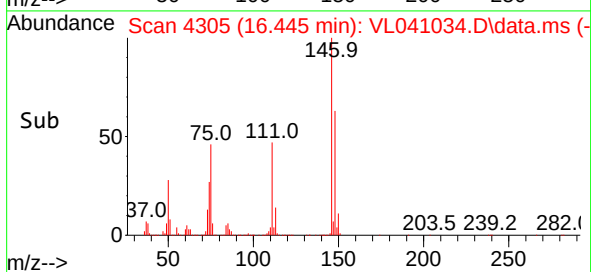
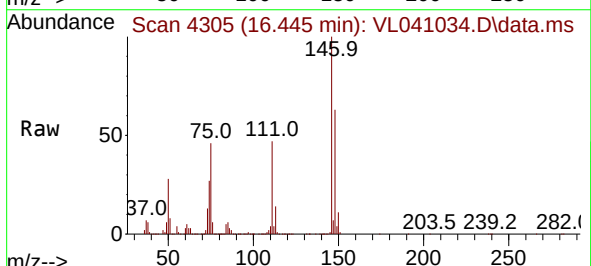
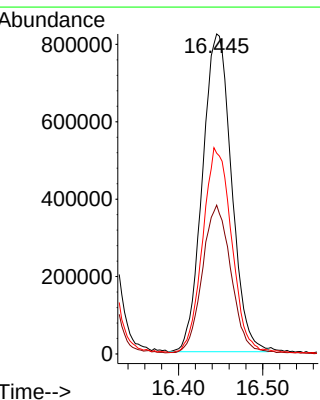
Tgt Ion:146 Resp: 1964012

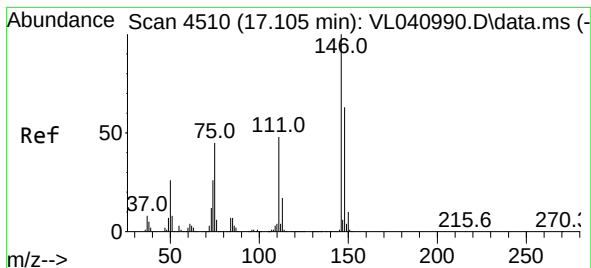
Ion Ratio Lower Upper

146 100

111 46.8 24.0 72.0

148 66.1 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 9.481 ppbv

RT: 17.117 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041034.D

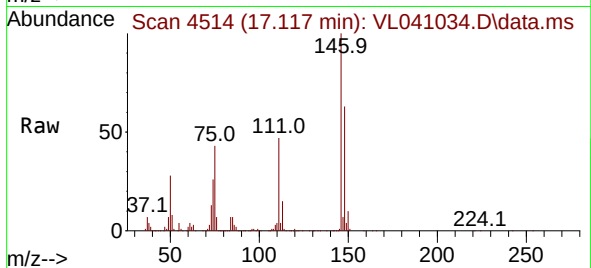
Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:146 Resp: 1951024

Ion Ratio Lower Upper

146 100

111 49.5 24.8 74.3

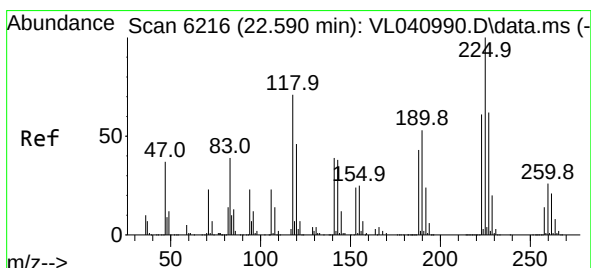
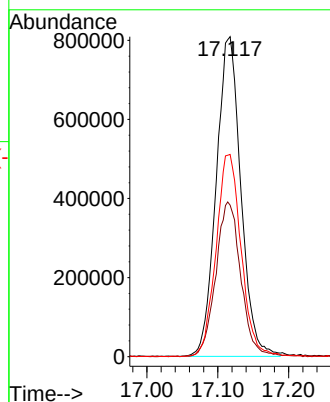
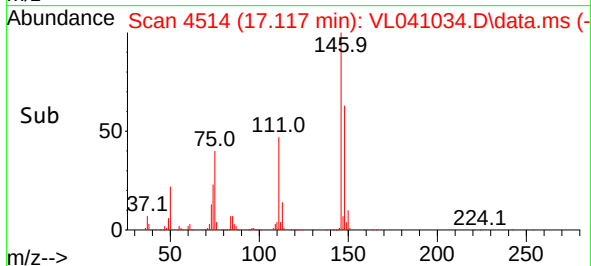
148 64.7 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.222 ppbv

RT: 22.603 min Scan# 6220

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

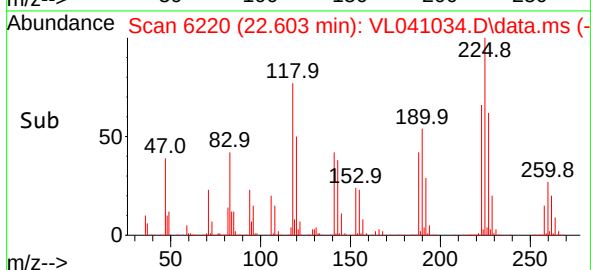
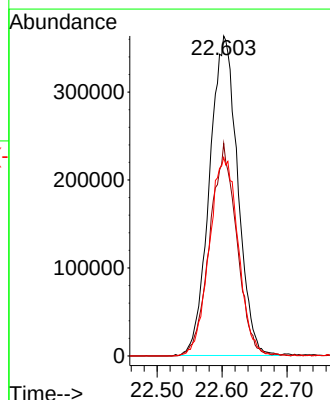
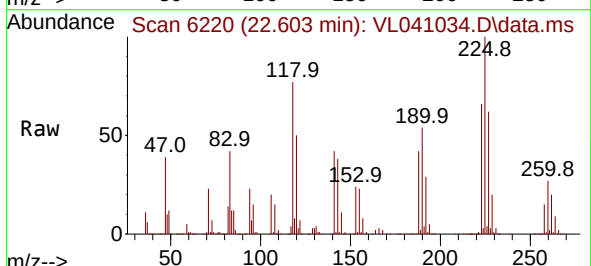
Tgt Ion:225 Resp: 1091080

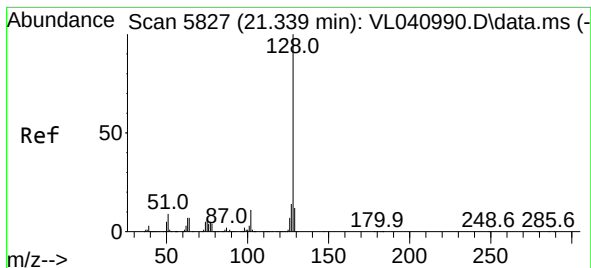
Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

227 64.0 51.0 76.4





#79

Naphthalene

Concen: 11.739 ppbv

RT: 21.355 min Scan# 5832

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 243630

Ion Ratio Lower Upper

128 100

127 12.7 10.9 16.3

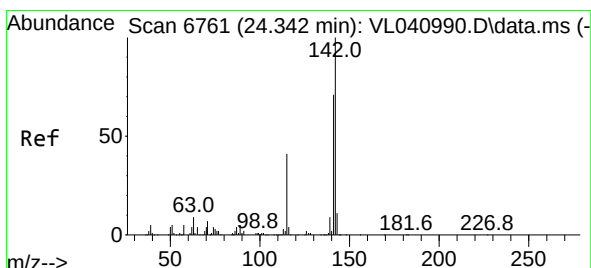
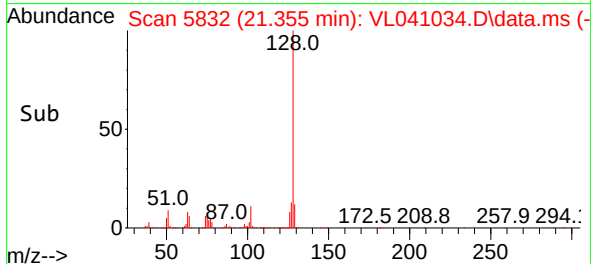
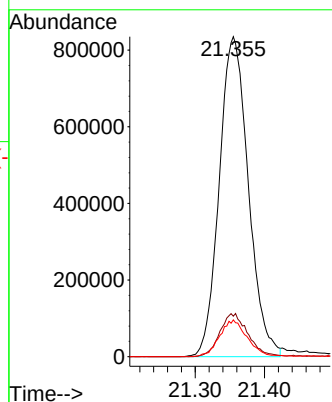
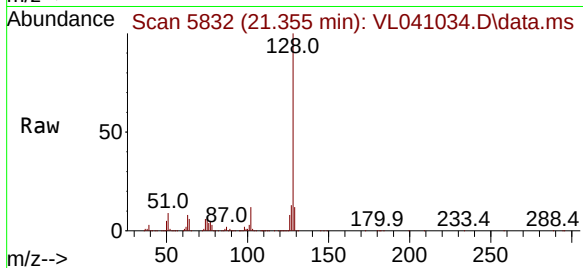
129 11.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#80

Naphthalene,2-methyl-

Concen: 12.345 ppbv m

RT: 24.352 min Scan# 6764

Delta R.T. 0.000 min

Lab File: VL041034.D

Acq: 7 Feb 2024 10:28

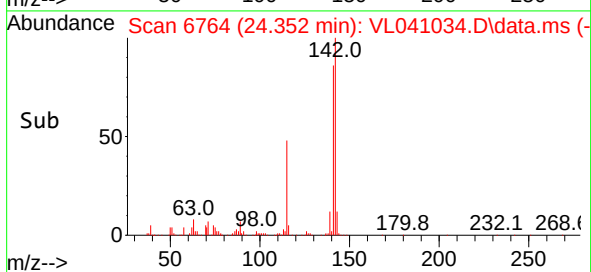
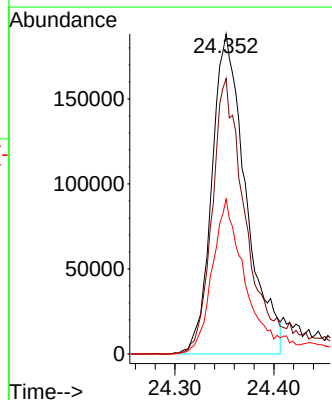
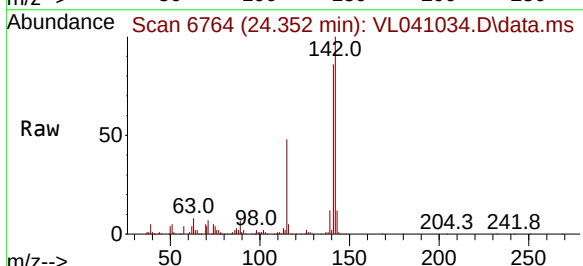
Tgt Ion:142 Resp: 449985

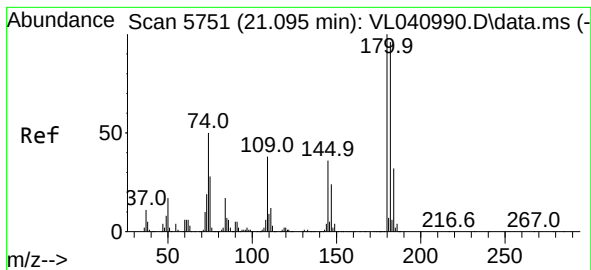
Ion Ratio Lower Upper

142 100

141 92.2 62.7 94.1

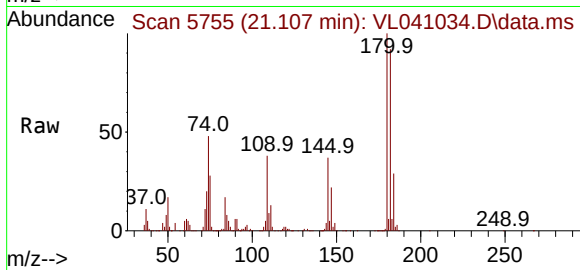
115 53.7 34.0 51.0#





#81
1,2,4-Trichlorobenzene
Concen: 10.132 ppbv m
RT: 21.107 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL041034.D
Acq: 7 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:180 Resp: 122687
Ion Ratio Lower Upper
180 100
182 96.7 78.6 118.0
184 30.7 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

